UNITED STATES MARINE CORPS
MARINE CORPS INSTALLATIONS EAST-MARINE CORPS BASE
PSC BOX 20005
CAMP LEJEUNE NC 28542-0005

MCIEAST-MCB CAMLEJO 8020.2A
G-4 OPS/ESO
JUL 2 0 2017

MARINE CORPS INSTALLATIONS EAST-MARINE CORPS BASE CAMP LEJEUNE ORDER 8020.2A

From: Commander
To: Distribution List

Subj: HAZARDS OF ELECTROMAGNETIC RADIATION TO ORDNANCE (HERO) EMISSION CONTROL (EMCON) BILL

Ref: (a) Electromagnetic Radiation Hazards (Hazards to Ordnance), NAVSEA OP 3565/ NAVAIR 16-1-529 Volume 2, Eighteenth Revision, 1 Apr 11
(b) Hazards of Electromagnetic Radiation to Ordnance Assessment of Marine Corps Base Camp Lejeune, North Carolina, 19 Aug 16
(c) NAVFAC 11010/31 Parts I and II, Subj: Request for Project Site Approval/Explosive Safety Certification

Encl: (1) HERO EMCON Program
(2) Ordnance
(3) MCB Camp Lejeune Drawings
(4) HERO EMCON Ordnance Matrix
(5) HERO EMCON Condition Matrix
(6) Antenna and Transmitter Systems
(7) HERO Warning Label and Warning Symbol
(8) Installation Call List for HERO EMCON

1. Situation. Reference (a) requires each shore establishment to publish an order listing procedures and operations for the safe handling of ordnance in the HERO environment.

2. Cancellation. MCIEAST-MCB CAMLEJO 8020.2.

3. Mission

a. To establish and implement policy and procedures for the safe handling, transportation, and storage of ordnance with regard to HERO at Marine Corps Base Camp Lejeune (MCB CAMLEJ).

b. Summary of Revision. This Order has been completely revised and should be reviewed in its entirety.

4. Execution. All commands will ensure strict compliance with the instructions contained in this Order.

5. Administration and Logistics. Recommendations concerning the contents of this Order are invited. Such recommendations will be forwarded to the Commanding General, Marine Corps Installations East (MCIEAST)-MCB CAMLEJ (G-4 Operations (Ops)/Explosives Safety Officer (ESO)), via the appropriate chain of command.

6. Command and Signal

a. Command. This Order is applicable any time ordnance operations are conducted aboard MCB CAMLEJ.

b. Signal. This Order is effective the date signed.

M. L. SCALISE

DISTRIBUTION: A/C (plus H&S Bn and WTBn)

RECORD OF CHANGES

Log completed change action as indicated.

Change Number	Date of Change	Date Entered	Signature of Person Incorporated Change

TABLE OF CONTENTS

Chapter 1

Hero Information and Requirements

1. Background. As described in reference (a), electromagnetic radiation hazards stem from the functional characteristics of electrically initiated ordnance and are a result of absorption of electromagnetic energy by the firing circuitry of electrically initiated devices (EIDs). The induced energy can cause heating of the bridge wire and primary explosive which can result in premature, unintended actuation of the EID. Such an event can pose either a safety or reliability problem. In general, ordnance is most susceptible to radio-frequency (RF) electromagnetic environments (EME) during assembly, disassembly, handling, loading, and unloading.

2. Categories of Ordnance. The following information describes guidelines to follow while handling, transporting, and storing ordnance aboard MCB CAMLEJ (for the purpose of this Order all ammunition and explosives items will be referred to as ordnance).

a. Hero Safe Ordnance: Items that require no EME restrictions beyond the general HERO requirements described in Chapter 7, paragraph 7-3 of reference (a).

b. Hero Susceptible Ordnance: Items that are susceptible and require moderate EME restrictions.

c. Hero Unsafe Ordnance: Items that are extremely susceptible and require severe EME restrictions.

3. E3 Team Online. The E3 Team Online Knowledge Management System (KMS)(https://www.e3teamonline.org) is an official Department of the Navy (DON) web portal that provides access to HERO and Hazards of Electromagnetic Radiation to Personnel and Fuel electromagnetic environmental effects (E3) data, technical reports, radiation hazard (RADHAZ) calculation tools, and ammunition safety references.

4. General HERO Requirements. The following requirements apply to all ordnance operations involving the presence, handling, and loading/unloading of ordnance unless otherwise specified in reference (b).

a. Ordnance evolutions must be planned so that there is a minimum of ordnance exposure to the EMEs.

b. Avoid touching any exposed firing contact, wiring, or other exposed circuitry with any part of the body or with any metallic object.

c. Ensure all open electrical connectors on the ordnance are covered with non-shorting caps.

d. Ordnance will not be assembled/disassembled in an EME.

e. Transport and store HERO unsafe ordnance in sealed, all-metal containers.

f. When transporting HERO susceptible ordnance, comply with the ordnance handling requirements listed in reference (a) and Chapter 7 of reference (b).

g. Post and maintain HERO warning signs at all entrance gates to ordnance areas.

h. Ensure boats berthed at the installation silence all onboard emitters whenever ordnance operations occur within the HERO safe separation distances listed in enclosure (6) of each boat's respective report.

i. Observe the HERO safe separation distances listed in enclosure (6) for cellular telephones and mobile and portable radios, and affix HERO warning labels stating separation distances for HERO unsafe and HERO susceptible ordnance to device.

j. Ensure that radio systems installed in ordnance handling vehicles maintain the minimum 10 foot antenna-to-ordnance separation distance required for HERO safe ordnance. (See Chapter 7, paragraph 7 3.2 of reference (b)).

k. Prior to conducting geophysical surveys for unexploded ordnance using equipment with electromagnetic transmitting detection/location (ground-penetrating radar, ground conductivity meters, etc.) systems ensure that the equipment can be used safely in the presence of HERO UNSAFE/UNRELIABLE, SUSCEPTIBLE, SAFE ORDNANCE.

1. For transmitters and ordnance not specifically addressed in this report, see reference (b) for HERO guidance.

m. Cellular telephones and personal pagers should not be operated within ordnance facilities.

n. Keyless entry systems shall not be radiated within ordnance facilities. These systems are not allowed into ordnance facility work areas.

o. Other conditions necessitating deviations from the requirements outlined in reference (a) shall be reported to the ESO.

p. Officers and supervisors shall be responsible for ensuring operators of government vehicles containing mobile transmitters are aware that the transmitters are not to be energized within the safe separation distances provided in enclosure (6).

q. Privately owned radios shall not be operated in any restricted area or in other parts of the installation while in sight of a vehicle that exhibits an explosive placard.

r. Each mobile and portable transmitter shall be conspicuously marked with the appropriate distance taken from enclosure (6) and marked by a RADHAZ cautionary decal. Cautionary decals will be provided by the HERO Officer/Frequency Manager.

Chapter 2

Roles and Responsibilities

1. Background. Execution of the HERO Program requires a collaborative effort from activities that handle, store, or transport ordnance, the ESO, Frequency Managers, G-3/5, and the Command Duty Officer (CDO).

2. Tasks

a. Commanding Officers (COs)/Officers in Charge (OICs) and General and Special Staff Department Heads shall:

(1) Ensure that all operators of antenna/transmitter systems comply with this instruction.

(2) Ensure that personnel operating antenna/transmitter systems are properly instructed in their use during HERO EMCON conditions.

(3) Coordinate with the ESO, the Frequency Manager, and the HERO Officer prior to installing and using new radiating electronic equipment.

(4) Promulgate supplementary instructions pertaining to their own equipment, personnel, and operating procedures as required for compliance with this instruction.

(5) Ensure that all mobile and portable radios under their cognizance are affixed with HERO warning labels to identify safe separation distances prior to issue.

b. HERO Officer. The role of HERO Officer is assumed by any individual who supervises ordnance operations when ordnance and emitters are present in the same location. The MCB CAMLEJ Ammunition Supply Point (ASP) OIC, U.S. Marine Corps Forces, School of Infantry (MARSOC) ASP NCOIC, and Range OICs routinely execute HERO Officer responsibilities in carrying out their normal duties. Regardless of the circumstances, anyone serving in the capacity as a HERO Officer will:

(1) Be responsible for monitoring ordnance activities, implementing procedures, and promoting a continuing education program to ensure HERO safety at the Installation.

(2) Notify the appropriate personnel (listed in enclosure (8)) upon the setting of a HERO Condition. After normal hours, the MCIEAST-MCB CAMLEJ CDO will notify the ESO and the ESO will contact the appropriate personnel (see enclosure (8)).

(3) Review RADHAZ requirements and request HERO surveys when required.

(4) Provide the ESO and Frequency Manager with all ordnance facilities, ordnance facility or handling location changes, and a list of all ordnance items that are currently being stored or could be stored in the near future.

(5) Participate in RADHAZ surveys.

c. Explosives Safety Officer: The ESO is responsible for determination of explosives safety policy compliance aboard the Installation. As such, they will:

(1) Assist the MCB CAMLEJ ASP OIC and MARSOC ASP NCOIC in tracking and monitoring ordnance facility (or handling location) changes.

(2) Act as a HERO liaison with the appropriate HERO Officer and Frequency Manager to track and monitor antenna/transmitter system and ordnance changes.

(3) Monitor and participate in the HERO program.

(4) Maintain a list of all ordnance items and ordnance facilities and antenna/transmitter systems present aboard the installation.

(5) Assist the HERO Officer and Frequency Manager in ensuring antenna/transmitter system changes at the Installation are submitted for HERO review.

d. Assistant Chief of Staff G-6 shall:

(1) Analyze planned alterations to the existing antenna/transmitter system configurations and advise the Commanding General (CG) on the HERO EMCON impact before executing the plan. All frequency assignment matters will be coordinated through the Installation Frequency Manager.

(2) Ensure that all mobile and portable radios under the cognizance of this command are affixed with HERO warning labels to identify HERO safe separation distances prior to issue.

(3) Inform the MCB CAMLEJ ASP OIC, MARSOC ASP NCOIC, ESO, and the Safety Department when stationary transmitter/antenna systems are relocated or new equipment is obtained. These changes should be submitted for HERO review in accordance with reference (c).

(4) Provide the ESO and ASP OIC/NCOIC with all antenna/transmitter lists, antenna/transmitter location changes.

(5) Maintain control over the number, type, and placement of temporary emitter systems installed at the Installation. Ensure the calculated HERO safe separation distances are maintained between the antennas and ordnance operations. (See Chapter 2, paragraph (2)2.1 of reference (b)).

(6) Ensure that operators of privately owned amateur and citizens band radios and cellular telephones are familiar with HERO and safe separation distance requirements for their particular radio or telephone.

(7) Coordinate RADHAZ surveys.

e. Assistant Chief of Staff G-3/5 shall:

(1) Set and secure HERO EMCON Conditions when requested.

(2) Ensure aircraft are in compliance with HERO requirements.

(3) Maintain liaison with tenant commands to resolve any conflicts in setting HERO EMCON Conditions.

f. Commanding Officer, Headquarters and Support Battalion, Fire and Emergency Services: Will provide the on-scene commander in the event of an ordnance accident or incident, until such time as the situation has been resolved (i.e., Explosive Ordnance Disposal (EOD) responds and the item is rendered safe, or the item is determined safe to transport).

g. Tenant Commands and Installation Activities: Ensure compliance with reference (a) and this Order.

h. MCIEAST-MCB CAMLEJ CDO: The CDO will be responsible for notifying the ESO (listed in enclosure (8)) of the setting of a HERO Condition after normal working hours. In addition, the CDO will maintain situational awareness of the incident and update the ESO as required.

Chapter 3

HERO EMCON Procedures

1. Determining HERO EMCON. The following process will be used to determine the appropriate HERO EMCON requirements:

a. Identify the HERO status of ordnance item(s) involved in the operation (see enclosure (2)).

b. For ordnance item(s) listed as HERO UNSAFE or HERO SUSCEPTIBLE:

(1) Identify the HERO zone where the ordnance operation will occur (see enclosure (3)).

(2) Select the proper HERO Condition associated with the HERO zone and HERO classification (see enclosure (4)).

(3) Apply the appropriate HERO EMCON procedures (see enclosure (5)).

c. For ordnance items(s) listed as HERO SAFE, set HERO CONDITION (0) (see enclosure (4)).

d. Item(s) listed as "No HERO Requirement" require no HERO EMCON.

e. For ordnance item(s) not listed in enclosure (2), refer to the E3 Team Online KMS.

2. Implementing HERO EMCON. The following general procedures apply for implementing HERO EMCON:

a. The HERO Officer will establish the appropriate HERO EMCON (see enclosure (5)) whenever operations involving ordnance are conducted.

b. The HERO Officer will contact all activities impacted by HERO EMCON(e.g., stationary antenna/transmitter systems) unless specifically exempt in enclosure (6).

c. In the event of a vehicle accident involving ordnance, the appropriate HERO UNSAFE/UNRELIABLE ORDNANCE Condition

defined in enclosures (4) and (5) will be set by the HERO Officer or ESO and will remain in effect until EOD personnel have completed a Render Safe Procedure or determined that EMCON is no longer required (i.e., the ordnance is HERO SAFE to transport).

d. All first responders are required to maintain the minimum safe separation distances listed in enclosure (6).

3. Explosives Safety Mishap. An Explosives Safety Mishap occurs when ordnance that contains EIDs with unknown HERO characteristics, or ordnance known to be HERO UNSAFE/UNRELIABLE, HERO SUSCEPTIBLE, or HERO SAFE has been involved in a mishap that causes the condition of the ordnance to be in question.

a. In the event of an Explosives Safety Mishap, suspect ordnance will be classified as HERO UNSAFE/UNRELIABLE ORDNANCE and the appropriate HERO Condition for the affected zone will be set in accordance with enclosures (4) and (5).

b. The HERO Officer, utilizing the Installation call list (enclosure (8)), will notify first responders and affected units/personnel of the prescribed HERO Condition and an initial report of the explosive safety mishap.

c. EOD personnel in conjunction with the ESO will determine when the suspect ordnance is HERO SAFE and termination of the HERO EMCON requirement.

Ordnance

A	Bombs, Components, and Countermeasures
AAC	Antiaircraft, Common
A/C, ACFT	Aircraft
AC	Aircraft, Common
AD, ADF	Auxiliary Detonating Fuze
AGM	Air-surface Attack Missile
AIM	Air Intercept-Aerial Missile
AN/ALE	Army/Navy - Air-Launched, Expendable
ANTI-PERS, APERS	Antipersonnel
APDS	Armor Piercing, Discarding
APERS	Antipersonnel
API	Armor-Piercing Incendiary
APT	Armor-Piercing Tracer
ASSY, AY	Assembly
ATM	Air Training Missile
AUR	All-Up Round
AV	Attack Fighter Aircraft
B	Military Pyrotechnics
BBU	Explosive Item Unit
BCU	Battery Cooling Unit
BDU	Simulated Bomb
BLP	Blind-Loaded and Plugged
BSU	Munitions Stabilizing and Retarding Device Unit
C	Military Chemicals
CAL	Caliber
CBU	Cluster Bomb Unit
CCG	Computer Control Group
CCU	Actuator Cartridge
CH	Channel
CHG	Charge
Class	Classification
CNTR	Container
CNU	Shipping and Storage Container
C/O	Consist(s) of
CO.	Company
COMB	Combination
COMP	Composition
CP	Case-Percussion
CS	Tear Gas
CS-1	Tear Gas (Super)
CTG	Cartridge
CVT	Controlled Variable Time Fuze
D	Underwater Sound Signals, Sonobuoys, and Components

DBL	Double
DEA	Drug Enforcement Agency
DEMO	Demolition
DET	Detonator
DICASS	Direction Command Active Sonobuoy System
DoDIC	Department of Defense Identification Code
DP	Dual-Purpose
DWG	Drawing
E	Demolition Explosives and Materials
EA	Each
EOD	Explosive Ordnance Disposal
ERDL	Extended Range Data Link
F/	For
FCDC	Flexible, Confined Detonating Cord
FL	Flashless
FLU	Flotation Unit
FMLY	Formerly
FMU	Fuze Munition Unit
FRAG	Fragmentation
FREQ	Frequency
FT	Feet
FWD	Forward
FZ	Fuze
G	Underwater Mines and Components
GA	Gauge
GAU	Gun Aircraft Unit
GN, GR	Grain
GP	General-Purpose
GRAN	Granular
GW	Guided Weapon
H	Cartridges and Cartridge-Actuated Devices
HARM	High-Speed Anti-Radiation Missile
HC	High Capacity
HE	High Explosive
HEDP	High Explosive Detonating Point
HEI	High Explosive, Incendiary
HERO	Hazards of Electromagnetic Radiation to Ordnance
HOW	Howitzer
HR	Hour
I, INC	Incendiary
IGN, INGR	Ignition, Igniter
ILLUM	Illuminating
IN	Inch

IR	Infrared
J	Aircraft Rockets and Components
JAU	Initiator, Cartridge-Actuated
L	Marine Corps Ammunition
LAU	Aircraft-Installed Launcher
LB	Pound
LDD	Loaded
M	TOMAHAWK Cruise Missile and Components
MAU	Miscellaneous Armament Unit
MBEU	Multiple Bomb Ejection Unit
MDP	Miniature Double Plug
MECH	Mechanical
MG	Machine Gun
MIN	Minute
MK	Mark
MM	Millimeter
MOD	Model/Modification
MSL	Missile
MTL, METI	Metal
MTR	Motor
MXU	Miscellaneous Units
NATO	North Atlantic Treaty Organization
NAVAIR	Naval Air Systems Command
NAVSEA	Naval Sea Systems Command
NO	Number
NON-ELECT	Non-Electric
NON FRAG	Non-Fragmentation
O	Miscellaneous Ammunition Components and Containers
OA	Operational Assembly
OP	Ordnance Publication
OZ	Ounce
P	Small Arms and Landing-Force Ammunition
PD, PDF	Point-Detonating Fuze
PGU	Programmer Unit
PIBD	Point-Initiating, Base Detonating
P/N	Part Number
PRAC	Practice
PROJ	Projectile
PROP	Propellant
Q	Gun Ammunition, 20 mm to 4-inch
R	Gun Ammunition, Over 4-inch
RBOC	Rapid Blooming Off-board Chaff
RD	Round

REF	Reference
REQ.	Requirement
RF	Rapid-Fire
RKT	Rocket
RR	Radar Reflector
S	Torpedoes and Components
SEC	Second
SF	Slow-Fire
SMAW	Shoulder-Mounted Antitank Weapon
SMDC	Shielded, Mild Detonating Cord
SMK	Smoke
SQ	Super-Quick
STL	Steel
SUS	Signal Underwater Sound
SUSP	Suspension
SUU	Suspension and Release Unit
SWU	Switch unit
T	Surface-Launched Guided Missiles and Components
T, TR	Tracer
TACT	Tactical
TNT	Trinitrotoluene
TOW	Tube-Launched, Optically Tracked, Wire-Guided
TP	Target Practice
TRNR	Trainer
UK	United Kingdom
V	Air-Launched Guided Missiles and Components
VT	Variable Time Fuze
W/	With
WAFFAR	Wrap-Around, Folding-Fin Aircraft Rocket
W/O	Without
WP	White Phosphorus
WTU	Warhead Training Unit
WX	Weather
WX PROOF	Weatherproof
Y	Countermeasures and Decoys

DODIC	Nomenclature	Platform	HERO Class
A011 (Navy)	12 GAUGE SHOTGUN CARTRIDGE, 12 GAUGE SHOTGUN, PERSONNEL-BORNE	PERSONNEL-BORNE (12 GAUGE SHOTGUN)	NO REQUIREMENT
A017 (Navy)	CARTRIDGE, 12 GAUGE SHOTGUN, NO. 9 SHOT , 12 GAUGE SHOTGUN LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (12 GAUGE SHOTGUN)	NO REQUIREMENT
A023 (Navy)	12 GAUGE SHOTGUN CARTRIDGE, 12 GAUGE SHOTGUN, PERSONNEL-BORNE	PERSONNEL-BORNE (12 GAUGE SHOTGUN)	NO REQUIREMENT
A024 (Navy)	12 GAUGE SHOTGUN LOCKBUSTER CARTRIDGE, 12 GAUGE SHOTGUN, PERSONNEL-BORNE	PERSONNEL-BORNE (12 GAUGE SHOTGUN)	NO REQUIREMENT
A059 (Navy)	M855 MM BALL CLIPPED, RIFLE, PERSONNEL-BORNE	PERSONNEL-BORNE (RIFLE)	NO REQUIREMENT
A060 (Navy)	DUMMY CARTRIDGE, 5.56 MM, M199, SINGLE RD, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A062 (Navy)	CARTRIDGE, 5.56 MM, M855, LINKED 200 ROUND BELT IN M8 METAL CONTAINER, 2 CONTAINERS PER WIREBOUND BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A063 (Navy)	CARTRIDGE, 5.56 MM, TRACER, M856, (ALL M856 CARTRIDGES ARE IDENTIFIED BY AN ORANGE TIP), ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A064 (Navy)	M855 5.56 MM LINKED CARTRIDGE, RIFLE, PERSONNEL-BORNE	PERSONNEL-BORNE (RIFLE)	NO REQUIREMENT
A064 (Navy)	M855/M8565.56 MM LINKED CARTRIDGE, RIFLE, PERSONNEL-BORNE	PERSONNEL-BORNE (RIFLE)	NO REQUIREMENT
A065 (Navy)	CARTRIDGE, 5.56 MM, SHORT RANGE, M862, PACKED 30 CTG/CARTON, 40 CARTONS/INNER PACK, 2 INNER PACKS/OUTER PACK (2400 CTGS/UNIT PACK)	COMPONENT (COMPONENT)	NO REQUIREMENT
A071 (Navy)	CARTRIDGE, 5.56 MM, BALL, M193, 10 RD CLIP, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A075 (Navy)	M200 5.56 MM BLANK CARTRIDGE, RIFLE, PERSONNEL-BORNE	PERSONNEL-BORNE (RIFLE)	NO REQUIREMENT
A080 (Navy)	CARTRIDGE, 5.56 MM, BLANK, XM200 OR M200 SERIES, SINGLE ROUND, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A080 (Navy)	CARTRIDGE, 5.56 MM, BLANK, XM200 OR M200 SERIES, SINGLE ROUND, M242 CHAIN GUN LAUNCHER, TESTED APPLICATION	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A091 (Navy)	.22 CALIBER CARTRIDGE (A019), RIFLE, PERSONNEL-BORNE	PERSONNEL-BORNE (RIFLE)	NO REQUIREMENT
A091 (Navy)	.22 CALIBER CARTRIDGE (A091), RIFLE, PERSONNEL-BORNE	PERSONNEL-BORNE (RIFLE)	NO REQUIREMENT

A102 (Navy)	CARTRIDGE, 7.62 MM BALL INTERMEDIATE DESIGNED F/AK47 RIFLE NSN 1305-00-182-3096 P/N 11731648, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A111 (Navy)	CARTRIDGE, 7.62 MM, BLANK M82, NATO, LINKED FOR M60 MG, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A111 (Navy)	CARTRIDGE, 7.62 MM, BLANK M82, NATO, LINKED FOR M60 MG. PACKAGED 100 ROUNDS PER BELT M13, 1 BELT PER CARTON, 1 CARTON PER BAND T4, 2 BANDS PER M19A1 METAL BOX, 4 M19A1 BOXES PER WIREBOUND BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A112 (Navy)	CARTRIDGE, 7.62 MM, BLANK, M82, SINGLE RD NSN 1305-00-008-8894 P/N 8597283 DELETED 4/01 NSN 1305-00-882-5677 P/N 8597283 NSN 1305-00-990-5594 P/N 10523082 OR 8597283, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A124 (Navy)	CARTRIDGE, 7.62 MM, M62, NATO, TRACER, PACKAGE 20 CARTRIDGES PER CONTAINER, 12CONTAINERS (240 CARTRIDGES) PER M19/M19A1 METAL BOX, 4 M19/M19A1 BOXES (960 CARTRIDGES) PER WIREBOUND BOX	COMPONENT (COMPONENT)	NO REQUIREMENT
A124 (Navy)	CARTRIDGE, 7.62 MM, M62, NATO, TRACER, PACKAGE 20 CARTRIDGES PER CONTAINER, 23CONTAINERS (460 CONTAINERS) PER M2A1 METAL BOX, 2 M2A1 BOXES (920 CARTRIDGES) PER WIREBOUND BOX	COMPONENT (COMPONENT)	NO REQUIREMENT
A130 (Navy)	CARTRIDGE, 7.62 MM BALL,M80,PKG 5-RD/CLIP, 12 CLIPS 60-RD/M2 BNDLR, 7 BNDLRS 420-RD AND 1 MAGAZINE FILLER/M2A1 MTL BX, 2 BXS 840-RD AND 2 MAGAZINE FILLERS/P WDN BX, 48 BOXES/WOODEN PALLET, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A130 (Navy)	CARTRIDGE, 7.62 MM BALL, M80.PKG.5/CLIP,12 CLIP/BNDLR M2, 7 BNDLR AND 1 MAGAZINE FILLER/MTL BX M2A1, 2 BX, 840 CTG AND 2 MGZN FILLER/WRBND BX.GRADE R, 48BOXES/WOODEN PALLET, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A130 (Navy)	CARTRIDGE, 7.62 MM BALL, M80, GRADE-MEAN RADIUS 5 IN.MAX. PKG.5/CLIP, 12 CLIP/BAND M2, 7 BAND W/MAGAZINE FILLER/MTL BX M2A1, 2 BX 840 CTG/WRBND BX, 48 BOXES/WOODEN PALLET, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A130 (Navy)	CARTRIDGE, 7.62 MM, M80 BALL W/FLASH SUPPRESSED PROPELLANT, IN CARTON &	ALL PLATFORMS (ALL	NO REQUIREMENT

	CLIP, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	LAUNCHERS)	
A131 (Navy)	CARTRIDGE, 7.62 MM, 4 BALL M80 AND 1TRACER M62, LINKED, F/M60, MK 43, MK 48, AND M240 SERIES WEAPONS, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A131 (Navy)	7.62 MM CARTRIDGE (A131), ALL LAUNCHERS, ALL PLATFORMS	PERSONNEL-BORNE (RIFLE)	NO REQUIREMENT
A135 (Navy)	DUMMY CARTRIDGE, 7.62 MM, M63, SINGLE RD, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A143 (Navy)	CARTRIDGE, 7.62 MM, BALL M80 LINKED F/M60 AND M73 MG, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A143 (Navy)	CARTRIDGE, 7.62 MM, BALL M80 LINKED F/M60, MK 43, MK 48 AND M240 WEAPONS, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A151 (Navy)	CARTRIDGE, 7.62 MM LINKED, 4-BALL M80, 1 TRACER M62, F/MG M60 AMMO FOR OVERHEAD FIRE PKG 100-RDS M13 BELT PER CTN/BANDOLEER, 2 BANDOLEERS 200-RDS M19A1 MTL BX, 4 BXS 800-RDS PER WRBND BX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A159 (Navy)	DUMMY CARTRIDGE, 7.62 MM, M172, LINKED W/M13 LINK, F/MG M60, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A165 (Navy)	CARTRIDGE, 7.62 MM LINKED 4 BALL M80, 1 TR M62 F/MG MINI GAU-2B/A PKG 750/BELT M13, 2 BELT 1500 CTG/METAL BOX M548 , ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A165 (Navy)	CARTRIDGE, 7.62 MM LINKED 4 BALL M80, 1 TR M62 F/MG MINI GAU-2B/A PKG 750/BELT M13, 2 BELT 1500 CTG/METAL BOX M548, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A260 (Navy)	CARTRIDGE, 9 MM, SUBSONIC, JACKETED HOLLOW POINT, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A260 (Navy)	9 MM CARTRIDGE (A260), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A358 (Navy)	M939 9 MM PRACTICE CARTRIDGE, M287 PRACTICE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M287 PRACTICE LAUNCHER)	NO REQUIREMENT
A358 (Navy)	M939 9 MM TARGET PRACTICE-TRACER CARTRIDGE, M287 PRACTICE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M287 PRACTICE LAUNCHER)	NO REQUIREMENT
A359	DUMMY CARTRIDGE, 9 MM, M917, ALL	ALL PLATFORMS	NO

(Navy)	LAUNCHERS LAUNCHER, ALL PLATFORMS	(ALL LAUNCHERS)	REQUIREMENT
A363 (Navy)	CARTRIDGE, 9 MM BALL, M882, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A363 (Navy)	CARTRIDGE, 9 MM BALL, M882. PACKAGED 50 PER CARDBOARD BOX, 20 BOXES PER M2A1 METAL BOX, 2 M2A1 BOXES PER WIREBOUND BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A475 (Navy)	.45 CALIBER CARTRIDGE (A475), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A482 (Navy)	CARTRIDGE, CAL .45, AUTOMATIC, BALL, 185 GRAIN, WADCUTTER, MATCH GRADE, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A483 (Navy)	CAL .45 BALL CARTRIDGE, M1911 PISTOL, PERSONNEL-BORNE	PERSONNEL-BORNE (PISTOL)	NO REQUIREMENT
A501 (Navy)	DUMMY CARTRIDGE, CAL .45, M1921 NSN 1305-00-028-6639 P/N 6006253 2T COG NSN 1305-00-028-6641 P/N 7691565 0T/2T COG, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	COMPONENT (COMPONENT)	NO REQUIREMENT
A501 (Navy)	DUMMY CARTRIDGE, CALIBER .45,M1921, PACKAGE 20 CARTRIDGES PER CONTAINER, 100 CONTAINERS (2000 CARTRIDGES) PER METAL LINED WOODEN BOX	COMPONENT (COMPONENT)	NO REQUIREMENT
A501 (Navy)	DUMMY CARTRIDGE, CALIBER .45, M1921, SINGLE ROUND F/M1911 PISTOL. PKG'D 50 PER CNTR, 20 CNTRS (1000 CTG) PER MTL BX, 2 MTL BX (2000 CTG) PER WIREBOUND BOX	COMPONENT (COMPONENT)	NO REQUIREMENT
A518 (Navy)	CARTRIDGE, .50 CALIBER LINKED, 4 SLAP XM903, 1 SLAP-T XM962, 100 ROUND BELT, SHIPPED 1 BELT PER MTL BX/2 MTL BOXES PER WIREBND WOOD BX/ 48 WOOD BOXES PER WOOD PALLET, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A531 (Navy)	CARTRIDGE, CAL .50, API, M8, (NSN 1305-00-028-6457; 1305-00-555-7053; 1305-00-093-3030), ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A541 (Navy)	CARTRIDGE, CAL .50 API-T M20 NSN 1305-00-028-6492 P/N 7672003 NSN 1305-00-028-6494 P/N 7672003, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A552 (Navy)	M33 CAL .50 BALL CARTRIDGE, RIFLE, PERSONNEL-BORNE	PERSONNEL-BORNE (RIFLE)	NO REQUIREMENT
A552 (Navy)	M2 CAL .50 BALL CARTRIDGE, RIFLE, PERSONNEL-BORNE	PERSONNEL-BORNE (RIFLE)	NO REQUIREMENT
A555 (Navy)	CARTRIDGE CAL .50 BALL M33, LINKED W/M2 OR M9 LINKS, ALL LAUNCHERS	ALL PLATFORMS (ALL	NO REQUIREMENT

	LAUNCHER, ALL PLATFORMS	LAUNCHERS)	
A557 (Navy)	CARTRIDGE, CAL .50, LINKED, BALL AND TRACER , ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A557 (Navy)	CARTRIDGE, CAL .50, LINKED, BALL AND TRACER NSN 1305-00-540-1056 P/N 7672165 OR 5577960 NSN 1305-01-370-2594 P/N 12960791, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A557 (Navy)	CARTRIDGE, CAL .50, LINKED, BALL AND TRACER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A560 (Navy)	DUMMY CARTRIDGE, CAL .50, SINGLE RD. PKGD 10 PER CARTON, 35 CARTONS PER METAL-LINED WOODEN BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A560 (Navy)	DUMMY CARTRIDGE, CAL .50, SINGLE RD. PKGD 10 PER WAXED CARTON, 35 CARTONS PER METAL-LINED WOODEN BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A560 (Navy)	DUMMY CARTRIDGE, CAL .50, SINGLE RD. PKGD 10 PER CARTON, 35 CARTONS PER METAL CONTAINER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A560 (Navy)	DUMMY CARTRIDGE, CALIBER .50, M2. PKG'D 10 PER CRTN, 35 CRTNS (350 CTGS) PER M1917 WDN BX W/O MTL LINER	COMPONENT (COMPONENT)	NO REQUIREMENT
A576 (Navy)	CARTRIDGE,CALIBER .50, LINKED,4 M8 ARMOR PIERCING INCENDIARY,1 M20 ARMOR PIERCING INCENDIARYTRACER, W/DETERIORATED TRACER ELEMENT, 105 CARTRIDGES PER M9 BELT, 1BELT PER M2 METAL BOX, 2 M2 BOXES	COMPONENT (COMPONENT)	NO REQUIREMENT
A576 (Navy)	CARTRIDGE, CALIBER .50, LINKED, 4 API, M8, 1 API-T, M20,GRADE AC. 100/BELT, 1 BELT/MTL BX, M2A1, 2 MTL BX, 200 CTG PER WRBND BX	COMPONENT (COMPONENT)	NO REQUIREMENT
A598 (Navy)	CARTRIDGE, CAL .50 BLANK, M1A1, LINKED W/M9 LINKS NSN 1305-01-078-4879 P/N 9329735, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A606 (Navy)	CARTRIDGE, CALIBER .50 MK 211 MOD 0, API, SINGLE ROUNDS FOR SNIPER RIFLE, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A940 (Navy)	CARTRIDGE, 25 MM TPDS-T, M910, LINKED FOR THE M242 MACHINE GUN ,ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A940 (Navy)	CARTRIDGE, 25 MM TPDS-T, M910 FOR M242 MACHINE GUN. 1 30 ROUND BELT PER PA125 METAL CONTAINER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A967	DUMMY CARTRIDGE, 25 MM, M794, LINKED	ALL PLATFORMS	NO

(Navy)	W/M28 LINKS, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	(ALL LAUNCHERS)	REQUIREMENT
A974 (Navy)	CARTRIDGE, 25 MM APDS-T, M791, LINKED NSN 1305-01-356-9838 P/N D12013533 NSN 1305-01-092-0428 P/N 12013720 NSN 1305-01-095-6014 P/N 12033719, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
A975 (Navy)	CARTRIDGE, 25 MM, HEI-T, M792, LINKED W/M28 LINKS, F/M242 CANNON, M242 CHAIN GUN LAUNCHER, AV-8B	AV-8B (M242 CHAIN GUN)	NO REQUIREMENT
A975 (Navy)	CARTRIDGE, 25 MM, HEI-T, M792, LINKED W/M28 LINKS, F/M242 CANNON, M242 CHAIN GUN LAUNCHER, AV-8B	AV-8B (M242 CHAIN GUN)	NO REQUIREMENT
A975 (Navy)	25 MILLIMETER CARTRIDGE (A975), M242 CHAIN GUN, AV-8B	AV-8B (M242 CHAIN GUN)	NO REQUIREMENT
A975 (Navy)	CARTRIDGE, 25 MM HEI-T, M792, LINKED 55 CARTRIDGES W/M28 LINKS PER CNU-405/E METAL CAN	AV-8B (M242 CHAIN GUN)	NO REQUIREMENT
A976 (Navy)	25 MM CARTRIDGE, M242 CHAIN GUN, EXPEDITIONARY FIGHTING VEHICLE	Expeditionary Fighting Vehicle (M242 CHAIN GUN)	NO REQUIREMENT
AA03 (Navy)	CARTRIDGE, 7.62 MM AP, M993 PACKED 240 ROUNDS PER M19A1 METAL CAN, FOUR M19A1 METAL CANS (960 ROUNDS) PER WIREBOUND BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA04 (Navy)	CARTRIDGE, 7.62MM AP M993 AND M62 TRACER LINKED 4 TO 1 RATIO, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA11 (Navy)	CARTRIDGE, 7.62 MM, M118 LONG RANGE, SPECIAL BALL, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA12 (Navy)	CARTRIDGE, 9 MM, FX MARKING, RED (0T AND 2T COG), ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA21 (Navy)	CARTRIDGE, 9 MM, FX MARKING, BLUE, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA24 (Navy)	CARTRIDGE, 20MM, TARGET PRACTICE, PGU-27A/B, PKGD 250 RDS/M548 (BULK PACK CONTAINER FOR AUTOMATIC CANNON M61A1, M61A2, M197 AND XM301) PALLETIZED, M548 PALLET, MIL-STD-1323-294A, M197 AIRCRAFT GUN LAUNCHER, AH-1W	AH-1W (M197 AIRCRAFT GUN)	SUSCEPTIBLE
AA24 (Navy)	CARTRIDGE, 20MM, TARGET PRACTICE, PGU-27A/B, PKGD 250 RDS/M548 (BULK PACK CONTAINER FOR AUTOMATIC CANNON M61A1, M61A2, M197 AND XM301) PALLETIZED,	ALL FIXED WING (M61A1/A2 AIRCRAFT GUN)	SUSCEPTIBLE

	M548 PALLET, MIL-STD-1323-294A, M61A1/A2 AIRCRAFT GUN LAUNCHER, ALL FIXED WING		
AA29 (Navy)	CARTRIDGE, 12 GAUGE, BEAN BAG, NON-LETHAL, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA30 (Navy)	CARTRIDGE, 12 GAUGE LAUNCHER, F/GRENADE NON-LETHAL, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA30 (Navy)	CARTRIDGE, 12 GAUGE LAUNCHER, F/GRENADE NON-LETHAL, 12 GAUGE SHOTGUN LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (12 GAUGE SHOTGUN)	NO REQUIREMENT
AA31 (Navy)	CARTRIDGE, 12 GAUGE RUBBER FIN-STABILIZED, NON-LETHAL, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA38 (Navy)	CARTRIDGE, .50 CALIBER SLAP, TRACER, M962, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA40 (Navy)	5.56 MM CARTRIDGE (AA40, 1305-01-463-8232), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA40 (Navy)	MK 311 MOD 0 5.56 MM CARTRIDGE (AA40, 1305-01-492-8545), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA40 (Navy)	MK 311 MOD 1 5.56 MM CARTRIDGE (AA40, 1305-01-561-2620), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA40 (Navy)	MK 311 MOD 0 5.56 MM CARTRIDGE (AA40, 1305-01-644-3649), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA40 (Navy)	MK 311 MOD 2 5.56 MM CARTRIDGE (AA40, 1305-01-600-0670), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA51 (Navy)	CARTRIDGE, 12 GAUGE, SHOTGUN, NON-LETHAL, POINT CONTROL, M1012 PACKAGED 160 EA PER M2A1 CAN, 2 EA M2A1 CANS PER WIREBOUND BOX, 48 EA WIREBOUND BOXES PER WOODEN PALLET, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA53 (Navy)	CARTRIDGE, 5.56 MM SPECIAL BALL, LONG RANGE MK 262 MOD 0, MILITARY PACK. PACKAGED 20 CTG/CARTON 41 CARTONS/M2A1 AMMO BOX, 2 M2A1 AMMO BOXES/WIREBOUND BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA53 (Navy)	CARTRIDGE, 5.56 MM SPECIAL MATCH. PKGD 50 RDS PER PLASTIC TRAY, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT

AA53 (Navy)	CARTRIDGE, 5.56 MM SPECIAL BALL, LONG RANGE, MK 262 MOD 1 CANNELURED PROJECTILE, MILITARY PACK. PKGD 20 CTGS/CARTON, 41 CARTONS/M2A1 AMMO BOX, 2 M2A1 AMMO BOXES/WIREBOUND BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA54 (Navy)	CARTRIDGE, 12 GAUGE, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA55 (Navy)	MK 242 MOD 0 CARTRIDGE, 12 GAUGE SHOTGUN, PERSONNEL-BORNE	PERSONNEL-BORNE (12 GAUGE SHOTGUN)	NO REQUIREMENT
AA60 (Navy)	CARTRIDGE, 12 GAUGE, 3 INCH NO. 00 BUCK. PKGD 5 ROUNDS PER FIBERBOARD BOX, 24 FIBERBOARD BOXES (120 ROUNDS PER M2A1 METAL BOX, 2 METAL BOXES (240 ROUNDS) PER WIREBOUND BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA62 (Navy)	CARTRIDGE, EOD, 12 GAUGE, MK 274 MOD 0, ULTRA VELOCITY SLUG, CONSISTING OF LEAD BASED PROJECTILE IN BRASS AND PLASTIC CARTRIDGE CASE W/CENTERFIRE PRIMER AND 140 GRAINS OF PROPELLANT. USED IN IMPROVISED EXPLOSIVE DEVICE (IED) STANDOFF DISRUPTER. PACKAGED 75 CTG PER M2A1 AMMUNITION CONTAINER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA63 (Navy)	CTG., EOD, 12 GAUGE, MK 275 MOD 0. DISINTEGRATING PROJ (AVON), CONSISTING OF FRANGIBLE PLASTER & STEEL SHOT PROJ. LOADED IN A BRASS & PLASTIC CTG CASE W/CENTERFIRE PERCUSSION PRIMER & 65 GRAINS OF PROPELLANT USED IN IM PROVISED EXP. DEVICE (IED) STANDOFF DISRUPTER. PKG 75 CTG PER M2A1 AMMO CNTR, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA64 (Navy)	CARTRIDGE, 12 GAUGE MK 276 MOD 0. LOW VELOCITY BLANK, CONSISTING OF A BRASS AND PLASTIC CTG CASE W/CENTERFIRE PERCUSSION PRIMER AND 20 GRAINS OF PROPELLANT. USED IN IMPROVISED EXPLOSIVE DEVICE (IED)STANDOFF DISRUPTER PKG 160 CTG PER M2A1 AMMUNITION CONTAINER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA66 (Navy)	CARTRIDGE, 12 GAUGE, MK 278 MOD 0 (BLACK POWDER BLANK). USED IN IMPROVISED EXPLOSIVE DEVICE (IED) STANDOFF DISRUPTOR. 160 CARTRIDGES PER M2A1 AMMO CONTAINER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT

AA67 (Navy)	CARTRIDGE 5.56 MM SPECIAL MATCH, MOLYBDENUM COATED. PACKAGED 50 ROUNDS PER PLASTIC TRAY. 1 TRAY (50) RDS PER FIBERBOARD CARTON, 10 FIBERBOARD CARTONS (500) RDS PER FIBERBOARD BOX. (COMMERCIAL PACK) THIS IS THE SAME AS AA53 1305-01-474-3856 EXCEPT FOR MOLYBDENUM COATING, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AA67 (Navy)	CARTRIDGE, 5.56 MM USMC SPECIAL MATCH, MOLY COATED, PKGD 20 RDS. PER FIBERBOARD CARTON, 41FIBERBOARD CARTONS (820 RDS) PER M2A1 METAL CAN, 2 M2A1 METAL CANS (1640 RDS) PER WIREBOUND BOX, M16 5.56 MM RIFLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M16 5.56 MM Rifle)	NO REQUIREMENT
AA68 (Navy)	CARTRIDGE, 5.56 MM, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AB09 (Navy)	CARTRIDGE, 5.56 MM, PRACTICE, BLUE M1042 PKGD 900 PER M2A1 AMMO CAN, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AB10 (Navy)	CARTRIDGE, 5.56 MM, PRACTICE, RED, M1042 PKGD 900 PER M2A1 AMMO CAN, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AB13 (Navy)	CARTRIDGE, 9MM MARKING, BLUE. PKG 50 PER PAPERBOARD BOX, 1000 PER M2A1 METAL CONTAINER, 2 M2A1 CONTAINERS PER WIREBOUND BOX, 48 BOXES PER PALLET, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AB39 (Navy)	CARTRIDGE, 7.62 MM SPECIAL BALL, LONG RANGE. PACKAGED 460 PER M2A1 METAL BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AB43 (Navy)	CARTRIDGE, 300 WINCHESTER MAGNUM MATCH, 220 GRAIN, MK 248 MOD 1. PACKAGED 20 ROUNDS PER PAPERBOARD CARTON, 12 CARTONS PER M2A1 METAL AMMO BOX, 2 M2A1 BOXES PER WIREBOUND WOOD BOX, 20 BOXES PER PALLET, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AB49 (Navy)	CTG., 5.56 MM BALL, CARBINE, BARRIER MK 318 MOD 0, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AB50 (Navy)	CTG., 7.62MM BALL, RIFLE, BARRIER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
AX11 (Navy)	MK 217 MOD 0 SMAW SPOTTING CARTRIDGE, MK 153 SMAW, PERSONNEL-BORNE	PERSONNEL-BORNE (MK 153 SHOULDER-LAUNCHED	NO REQUIREMENT

		MULTIPURPOSE ASSAULT WEAPON (SMAW))	
AX14 (Navy)	PRIMER, PERCUSSION, 12 GAUGE, SHOTGUN, BATTERY CUP , ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
B472 (Navy)	DUMMY CARTRIDGE, 40 MM, M385, W/M169 CARTRIDGE CASE, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
B472 (Navy)	DUMMY CARTRIDGE, 40 MM, M385, W/M169 CARTRIDGE CASE, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
B504 (Navy)	M661 40 MM GREEN STAR PARACHUTE CARTRIDGE, M203 GRENADE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M203 GRENADE LAUNCHER)	NO REQUIREMENT
B505 (Navy)	M662 40 MM RED STAR PARACHUTE CARTRIDGE, M203 GRENADE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M203 GRENADE LAUNCHER)	NO REQUIREMENT
B506 (Navy)	M713 40 MM RED SMOKE GROUND MARKER CARTRIDGE WITH M733 IMPACT FUZE, M203 GRENADE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M203 GRENADE LAUNCHER)	NO REQUIREMENT
B508 (Navy)	M715 40 MM GREEN SMOKE GROUND MARKER CARTRIDGE WITH M733 IMPACT FUZE, M203 GRENADE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M203 GRENADE LAUNCHER)	NO REQUIREMENT
B509 (Navy)	M716 40 MM YELLOW SMOKE GROUND MARKER CARTRIDGE WITH M733 IMPACT FUZE, M203 GRENADE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M203 GRENADE LAUNCHER)	NO REQUIREMENT
B519 (Navy)	CARTRIDGE, 40 MM, PRACTICE, M781, SINGLE RD, PLASTIC CARTRIDGE CASE, YELLOW DYE FILLER, W/O TRACER, F/M79 AND M203 LAUNCHER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
B535 (Navy)	CARTRIDGE, 40 MM, FIXED WHITE STAR PARACHUTE, XM583	COMPONENT (COMPONENT)	NO REQUIREMENT
B535 (Navy)	CARTRIDGE, 40 MM, WHITE STAR PARACHUTE, M583,F/GRENADE LAUNCHER M79. PACKAGE 22 PER BOX, 2 BOX (44 ROUND) PER WIREBOUND BOX, 48 WRBND BX (2112 RNDS) PER WOOD PALLET	COMPONENT (COMPONENT)	NO REQUIREMENT
B542 (Navy)	40 MM CARTRIDGE, ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
B546 (Navy)	CARTRIDGE, 40 MM, FIXED, HEDP, XM433E1, W/FUZE PIBD XM550E1,	ALL PLATFORMS (ALL	NO REQUIREMENT

	F/GRENADE LAUNCHER M79/M203, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	LAUNCHERS)	
B567 (Navy)	M651/XM651E1 W/ FUZE PIDT M581/XM581E1 TACTICAL 40 MM CARTRIDGE, M203 GRENADE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M203 GRENADE LAUNCHER)	NO REQUIREMENT
B643 (Navy)	M888 60 MM HIGH EXPLOSIVE CARTRIDGE WITH M935 POINT DETONATION FUZE, M224 60 MM MORTAR, LAND-BASED	LAND-BASED (M224 60 mm Mortar)	NO REQUIREMENT
B646 (Navy)	CARTRIDGE, 60 MM, SMOKE, WP, XM722, W/FZ XM745 PD, PROP CHG, IGN CHG AND FIN ASSY, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
B647 (Navy)	CARTRIDGE, 60 MM, ILLUMINATING, W/FZ MTSQ M776, FIN ASSY, F/MORTAR M224, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
B647 (Navy)	CARTRIDGE, 60 MM, ILLUMINATING, W/FZ MTSQ M776, FIN ASSY, F/MORTAR M224, M224 60 MM MORTAR LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M224 60 mm Mortar)	NO REQUIREMENT
BA04 (Navy)	CARTRIDGE, 60 MM INFRARED ILLUMINATING M767 WITH M776 FUZE. PACKAGED 1 PER PA123 FIBER CONTAINER, 8 CONTAINERS PER PA124 METAL CAN, 2 METAL CANS PER WIREBOUND WOOD BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
BA04 (Navy)	CARTRIDGE, 60 MM INFRARED ILLUMINATING M767 WITH FUZE, MECHANICAL TIME SUPER QUICK M776, M224 60 MM MORTAR LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M224 60 mm Mortar)	NO REQUIREMENT
BA06 (Navy)	CARTRIDGE, 40 MM SPONGE, NON-LETHAL, M79 40MM GRENADE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M79 40MM GRENADE LAUNCHER)	NO REQUIREMENT
BA07 (Navy)	CARTRIDGE, 40 MM, NON-LETHAL FOAM RUBBER BATON, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
BA07 (Navy)	CARTRIDGE, 40 MM, NON-LETHAL FOAM RUBBER BATON, PERSONNEL-BORNE LAUNCHER, TESTED APPLICATION	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
BA08 (Navy)	CARTRIDGE, 40 MM, NON-LETHAL, RUBBER BALL, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
BA12 (Navy)	CARTRIDGE, 40 MM PRACTICE, XM1023 LINKED 32 RDS PER PA120 METAL CONT, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
BA12 (Navy)	CARTRIDGE, 40 MM PRACTICE, MK 281 MOD 2 LINKED 32 RDS PER PA120 METAL CONTAINER, 48 CONTAINERS PER PALLET, M203 GRENADE LAUNCHER, TO BE SPECIFIED	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT

BA14 (Navy)	M722A1 60 MM MORTAR CARTRIDGE, M224 60 MM MORTAR, PERSONNEL-BORNE	PERSONNEL-BORNE (M224 60 MM Mortar)	SAFE
BA15 (Navy)	CARTRIDGE, 60 MM, FULL RANGE PRACTICE, XM769, W/FUZE M775, M224 60 MM MORTAR LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M224 60 MM Mortar)	NO REQUIREMENT
BA16 (Navy)	M720A1 60 MM CARTRIDGE W/M734A1 FUZE, M224 60 MM MORTAR, PERSONNEL-BORNE	LAND-BASED (M224 60 mm Mortar)	SAFE
BA21 (Navy)	CTG., 40 MM PRACTICE, DAY/NIGHT MARKING MK 281 MOD 1 LINKED 32 ROUNDS PER PA120 METAL CONTAINER. 48 METAL CONTAINERS/1536 ROUNDS PER WOODEN PALLET. CONTAINS FLAME ORANGE T4 OMNIGLOW DYE FOR NIGHT MARKING, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
BA21 (Navy)	CTG., 40 MM PRACTICE, DAY/NIGHT MARKING MK 281 MOD 3 LINKED 32 ROUNDS PER PA120 METAL CONTAINER. 48 METAL CONTAINERS PER WOODEN PALLET, M203 GRENADE LAUNCHER, TO BE SPECIFIED	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
BA35 (Navy)	CARTRIDGE, 40 MM PRACTICE GRENADE, DAY/NIGHT, M1110, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
C025 (Navy)	CARTRIDGE, 75 MM BLANK, 1 LB CHARGE W/M337A1 BRASS CARTRIDGE CASE. PKD 1 RD/FBR CNTR/15 CNTRS PER WOODEN BOX, ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
C484 (Navy)	CARTRIDGE, 81 MM INFRARED ILLUMINATING XM816, W/FUZE MTSQ M772, M219 PROPELLING CHARGE FOR MORTAR M252. PKGD. 1 CARTRIDGE PER FIBER CONTAINER, 3 FIBER CONTAINERS PER PA157 METAL BOX AND 21 BOXES (63 ROUNDS) PER WOODEN PALLET, M252 81 MM MORTAR LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M252 81 MM Mortar)	NO REQUIREMENT
C625 (Navy)	120MM CARTRIDGE (C625, 1330-01-343-1942), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
C625 (Navy)	120 MM CARTRIDGE (C625, 1315-01-624-2864), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
C784 (Navy)	CARTRIDGE, 120 MM, TP-T, M831 TARGET PRACTICE, F/M256 CANNON PACKAGED 1 PER PA116 METAL CNTR.	M1A1/2 (M256 120 MM Tank Cannon)	SAFE
C784 (Navy)	CARTRIDGE, 120 MM, TP-T, M831A1 TARGET PRACTICE, F/M256 CANNON PACKAGED 1 PER PA116 METAL CNTR.	M1A1/2 (M256 120 MM Tank Cannon)	SAFE
C785 (Navy)	CARTRIDGE, 120 MM, TPCSDS-T, M865. PACKAGED 1 PER PA116 METAL CONTAINER	M1A1/2 (M256 120 MM Tank Cannon)	SAFE

C785 (Navy)	CARTRIDGE, 120 MM, TPCSDS-T, M865. PACKAGED 1 PER PA171 METAL CONTAINER, 30 PA171 CONTAINERS PER WOOD PALLET	M1A1/2 (M256 120 MM Tank Cannon)	SAFE
C785 (Navy)	CARTRIDGE, 120 MM, TPCSDS-T, M865 PACKAGED 1 PER PA 116 METAL CONTAINER, 30 CONTAINERS PER PALLET	M1A1/2 (M256 120 MM Tank Cannon)	SAFE
C785 (Navy)	M865 120MM TANK ROUND, M256 120MM TANK CANNON, M1A1/2	M1A1/2 (M256 120 MM Tank Cannon)	SAFE
C785 (Navy)	120MM CARTRIDGE, M256 120 MM TANK CANNON, M1A1/2	M1A1/2 (M256 120 MM Tank Cannon)	SAFE
C868 (Navy)	M821A1E1 81 MM MORTAR CARTRIDGE, M252 81 MM MORTAR, PERSONNEL-BORNE	PERSONNEL-BORNE (M252 81 MM Mortar)	SAFE
C869 (Navy)	81 MM CARTRIDGE (C869), M252 81MM MORTAR, LAND-BASED	LAND-BASED (M252 81 MM Mortar)	NO REQUIREMENT
C870 (Navy)	CARTRIDGE, 81 MM, SMOKE, RP, M819, W/FZ MTSQ M772, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
C870 (Navy)	CARTRIDGE, 81 MM, SMOKE, RP, M819, W/FZ MTSQ M772 W/GAS ABSORBANT MODULES, 81 MM M1 OR M29 LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M29 81 MM)	NO REQUIREMENT
C871 (Navy)	CARTRIDGE, 81 MM, ILLUMINATING, M853, W/FZ TIME M768 OR FUZE M772, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
C871 (Navy)	81 MM CARTRIDGE (C871), M252 81MM MORTAR, LAND-BASED	LAND-BASED (M252 81 MM Mortar)	NO REQUIREMENT
C875 (Navy)	CARTRIDGE, 81 MM, PRACTICE M879, W/FUZE PD M751, WARHEAD INERT MATERIAL FILLING M220 , ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
C875 (Navy)	81MM PRACTICE CARTRIDGE (C875), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
C875 (Navy)	CARTRIDGE, 81 MM, PRACTICE M879, W/FUZE PD M751, WARHEAD INERT MATERIAL FILLING M220 , M252 81 MM MORTAR LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (M252 81 MM Mortar)	NO REQUIREMENT
C995 (Navy)	M136 (AT-4) 84 MM CARTRIDGE AND LAUNCHER (NON-FFV LOTS), M136 AT-4 84MM, PERSONNEL-BORNE	PERSONNEL-BORNE (M136 AT-4 84 MM)	SAFE
CA03	M929 120 MM MORTAR CARTRIDGE,	PERSONNEL-	SAFE

(Navy)	M120/M121 120 MM MORTAR, PERSONNEL-BORNE	BORNE (M120/M121 120 MM Mortar)	
CA04 (Navy)	M934A1 120 MM CARTRIDGE, M120/M121 120 MM MORTAR, PERSONNEL-BORNE	PERSONNEL-BORNE (M120/M121 120 MM Mortar)	SAFE
CA10 (Navy)	84MM TARGET PRACTICE W TRACER (TPT) 141 ROUND, USED W/M3 CARL GUSTAV RECOILLESS RIFLE SYSTEM. PACKED 2/POLYETHYLENE CASE, 3 CASES (6 ROUNDS) PER WIREBOUND WOOD BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
CA21 (Navy)	CARTRIDGE, 84 MM, HIGH EXPLOSIVE DUAL PURPOSE (HEDP) 502 IM. PKGD 2 UNITS PER POLYETHYLENE CASE, 3 CASES (6 UNITS) PER WIREBOUND WOOD BOX	PERSONNEL-BORNE (M136 AT-4 84 MM)	SAFE
CA27 (Navy)	ROCKET, 84 MM, CARL GUSTAF FFV 441D, HE (IM), ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
CA31 (Navy)	CARTRIDGE, 120 MM, ANTI-PERSONNEL TPMP-T, M1002 FOR 120 MM TANK GUN. PACKAGED 1 ROUND PER PA 171 METAL CONTAINER, 30 CONTAINERS PER PALLET.	M1A1/2 (M256 120 MM Tank Cannon)	SAFE
CA38 (Navy)	CARTRIDGE, 120 MM, CANISTER M1028, FOR 120 MM TANK CANNON IN PA16 METAL CONTAINER	M1A1/2 (M256 120 mm Tank Cannon)	SAFE
CA44 (Navy)	M933A1 120 MM MORTAR CARTRIDGE, M120/M121 120 MM MORTAR, PERSONNEL-BORNE	PERSONNEL-BORNE (M120/M121 120 MM Mortar)	SAFE
CA45 (Navy)	CARTRIDGE, 120MM MORTAR, HIGH EXPLOSIVE, XM1101/M1101 W/FUZE M762A1. PACKAGED 1 CARTRIDGE PER PA117 METAL CONTAINER, 36 PA117 PER WOOD PALLET	120 MM MORTAR ROUND (M120/M121 120 mm Mortar)	SAFE
CA46 (Navy)	CARTRIDGE, 120 MM MORTAR, ILLUMINATION, XM1105/M1105 WITH FUZE M762A1. PACKAGED 1 CARTRIDGE PER PA117 METAL CONTAINER, 36 PA117 CONTAINERS PER WOOD PALLET	120 MM MORTAR ROUND (M120/M121 120 MM Mortar)	SAFE
D505 (Navy)	PROJECTILE, 155 MM ILLUM M485A2 (M485E2), W/O BURSTER, FUZE, OR SUPPL CHG, F/HOWITZERS M1, M1A1, M45 AND CANNON M126 PKG 8/PLT , ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
D528 (Navy)	PROJECTILE, 155 MM SMOKE, WP, M825, SCREENING, PKG 8-RDS PER SPECIAL PURPOSE WDN PALLET, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
D528 (Navy)	PROJECTILE, 155 MM SMOKE, WP, M825A1, SCREENING, W/O FUZE. PKG 8-RDS PER	ARTILLERY SYSTEMS (155	NO REQUIREMENT

	SPECIAL PURPOSE WDN PALLET PALLET, 155MM GUN LAUNCHER, ARTILLERY SYSTEMS	MM GUN)	
D529 (Navy)	PROJECTILE, 155 MM HE, M795 W/SUPPLEMENTARY CHARGE UNITIZED 8 ROUNDS PER PALLET, BUNDLED 3 PALLETS (24 ROUNDS) PER BUNDLE, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
D529 (Navy)	PROJECTILE, 155 MM HE, M795 W/SUPPLE-MENTARY CHARGE. UNITIZED 8 ROUNDS PER SKID/PALLET. BUNDLED THREE SKID/PALLETS (24 ROUNDS) PER BUNDLE, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
D540 (Navy)	CHARGE, PROPELLING, 155 MM M3A1/M3E1, GREEN BAG W/O M82 PRIMER PKG 2 CHGS/M14 MTL CNTR, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
D550 (Navy)	PROJECTILE, 155 MM, SMOKE, WP, M110A2,W/O FUZE, 8 RDS PER PALLET, 3 PALLETS PER BUNDLE F/HOWITZER , ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
DA12 (Navy)	CHARGE, PROPELLING, M231 FOR 155 MM HOWITZER IN METAL CASE, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
DA13 (Navy)	CHARGE, PROPELLING M232A1 FOR 155 MM HOWITZER. PACKED 5 CHARGES PER PA103A2 METAL CONTAINER. 30 CONTAINERS PA103A2 PER WOOD PALLET, 155MM GUN LAUNCHER, 155MM ARTILLERY SYSTEM	155MM ARTILLERY SYSTEM (155 MM GUN)	NO REQUIREMENT
DA49 (Navy)	PROJECTILE, 155MM, XM1066 IR ILLUMINATION PROJECTILE, W/O FZ, F/HOWITZER M1, M1A1, M45 AND CANNON M126, 155 MM GUN LAUNCHER, 155MM ARTILLERY SYSTEM	155 MM ARTILLERY SYSTEM (155 MM GUN)	NO REQUIREMENT
DWDN (Navy)	CHARGE, LIGHTWEIGHT DISPOSABLE DISRUPTER (LIDD) MK 171 MOD 0. PKGD 1 PER BARRIER BAG, 6 PER MK 2 MOD 0 AMMO BOX , ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
DWDR (Navy)	BLASTING AGENT, HAND LAUNCHED, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
DWEC (Navy)	CARTRIDGE, 12 GAUGE, MK 277 MOD 0 (ENHANCED BLANK). USED IN IMPROVISED EXPLOSIVE DEVICE (IED) STANDOFF DISRUPTOR. 75 CARTRIDGES PER M2A1 AMMO CONTAINER. FOR EOD USE ONLY., ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
DWED (Navy)	CARTRIDGE, 12 GAUGE, MK 279 MOD 0 (STEEL SLUG). USED IN IMPROVISED EXPLOSIVE DEVICE (IED) STANDOFF DISRUPTOR. 75 CARTRIDGES PER M2A1 AMMO CAN. FOR EOD USE ONLY, ALL LAUNCHERS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT

	LAUNCHER, ALL PLATFORMS		
DWEE (Navy)	CARTRIDGE, 12 GAUGE, MK 280 MOD 0 (ALUMINUM SLUG). USED IN IMPROVISED EXPLOSIVE DEVICE (IED) STANDOFF DISRUPTOR. 75 CARTRIDGES PER M2A1 AMMO CONTAINER. FOR EOD USE ONLY, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
DWEI (Navy)	PYROTECHNIC LEAD SPOOL, ASSEMBLY, MK 34 MOD 0 (FOR PYROTECHNIC LEAD, 1000 FT) PACKAGED 2 REELS PER CNU - 405/E AMMO BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
DWGB (Navy)	POWDER BAG CONTAINER ASSEMBLY FOR EOD. THE EOD POWDER BBAG CONTAINER ASSEMBLY CONSISTS OF ONE POWDER BAG PACKAGED IN A PLASTIC JAR SEALED IN A BARRIER BAG. EIGHT POWDER BAG CONTAINER ASSEMBLIES PER WIREBOUND BOX. THE POWDER BAG IS USED TO POWER THE MK 42 MOD 0 EOD TOOL SET, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
DWGU (Navy)	TAIL CHARGE ASSEMBLY FOR 120 MM MORTAR EFSS. PACKAGED 2 TCA PER PA103A2 METAL CONTAINER, 8 PA103A2 PER PALLET, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
G811 (Navy)	BODY, PRACTICE HAND GRENADE F/M69. PACKAGED 50 PER FIBERBOARD BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
G874 (Navy)	FUZE, HAND GRENADE, BURNING TYPE, M201 SERIES	COMPONENT (COMPONENT)	NO REQUIREMENT
G874 (Navy)	FUZE, HAND GRENADE, BURNING TYPE, M201 SERIES, NOT APPLICABLE LAUNCHER, TO BE SPECIFIED	COMPONENT (COMPONENT)	NO REQUIREMENT
G878 (Navy)	FUZE DELAY, M228, FOR M69 PRACTICE HAND GRENADE. PACKAGED 360 PER WIREBOUND BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
G878 (Navy)	FUZE DELAY, M228, FOR M69 PRACTICE HAND GRENADE W/CONFIDENCE CLIP. PACKAGED 360 PER WIREBOUND BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
G881 (Navy)	GRENADE, HAND, FRAG, M67 W/FUZE M213 W/O CONFIDENCE CLIP. PACKAGED 1 PER A415A1 FIBERBOARD CONTAINER, 30 FIBERBOARD CONTAINERS PER WOODEN BOX, 24 WOOD BOXES PER PALLET, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
G881 (Navy)	GRENADE, HAND, FRAG, M67 W/FUZE M213 W/CONFIDENCE CLIP. PACKAGED 1 PER M415A1 FIBERBOARD CONTAINER, 30 FIBERBOARD CONTAINERS PER WOODEN BOX, 24 WOOD BOXES PER PALLET, NOT	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT

	APPLICABLE LAUNCHER, PERSONNEL-BORNE		
G900 (Navy)	GRENADE, HAND, INCENDIARY, AN-M14 SERIES , ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
G900 (Navy)	GRENADE, HAND, INCENDIARY, AN-M14 SERIES , NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
G924 (Navy)	M25A2 CS1 HAND RIOT GRENADE WITH C12 FUZE, HAND LAUNCHED, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
G930 (Navy)	GRENADE, HAND, SMOKE, WHITE, HC, AN-M8 SERIES, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
G930 (Navy)	GRENADE, HAND, SMOKE, WHITE, HC, AN-M8 SERIES, NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
G940 (Navy)	GRENADE, HAND, SMOKE, GREEN, M18 SERIES (USMC), NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
G940 (Navy)	GRENADE, HAND, SMOKE, GREEN, M18 SERIES (USN), NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
G945 (Navy)	GRENADE, HAND, SMOKE, YELLOW, M18 SERIES, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
G945 (Navy)	GRENADE, HAND, SMOKE, YELLOW, M18 SERIES, NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
G950 (Navy)	GRENADE, HAND, SMOKE, RED, M18 SERIES, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
G955 (Navy)	GRENADE, HAND, SMOKE, VIOLET, M18 SERIES (USMC), NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
G955 (Navy)	GRENADE, HAND, SMOKE, VIOLET, M18 SERIES (USN), NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
G963 (Navy)	GRENADE, HAND, RIOT, CAPSULED CS, ABC-M7A2 OR PELLET CS, M7A3, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
G963 (Navy)	GRENADE, HAND, RIOT, CAPSULED CS, ABC-M7A2 OR PELLET CS, M7A3, NOT APPLICABLE LAUNCHER, TO BE SPECIFIED	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
G982 (Navy)	GRENADE, HAND, SMOKE, TA, PRACTICE M83 W/FUZE M201A1. PACKED 1 PER FIBER CONTAINER, 16 FIBER CONTAINERS PER WOOD BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
GG05 (Navy)	GRENADE HAND, BODY, PRACTICE, NON-LETHAL, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT

GG13 (Navy)	GRENADE, PRACTICE, STING BALL NON-LETHAL PKD 6/M2A1 METAL CAN, 2 M2A1 METAL CANS (12 GRENADE BODIES)/WIREBOUND BOX. THIS GRENADE BODY IS A REENGINEERED GG05. THE BODY HAS AN ADDED BAFFLE (NOISE REFLECTION DISC) AND REVERSE THREADS PECULIAR TO THIS BODY AND THE PRACTICE FUZE, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
GG14 (Navy)	FUZE, GRENADE, PRACTICE FOR PRACTICE MK 439 MOD 0 FOR PRACTICE, NON-LETHAL GRENADE. PKGD 40 FUZES/ M2A1 METAL CAN, 2 M2A1 METAL CANS (80 FUZES)/WIREBOUND BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
GG20 (Navy)	GRENADE, HAND, STUN, BTV-1 EL PACKAGED 10 PER M2A1 METAL CONTAINER 112 M2A1 CONTAINERS PER PALLET (1120 UNITS PER PALLET), ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
GG24 (Navy)	GRENADE, 66MM SMOKE SCREENING IR, VEHICLE LAUNCHED MK 1 MOD 0 PACKAGED 1 PER CARDBOARD TUBE, 4 CARDBOARD TUBES PER M2A1 AMMO BOX, 84 M2A1 AMMO BOXES PER METAL PALLET , M6 GRENADE DISCHARGER LAUNCHER, AAV	AAV (M6 GRENADE DISCHARGER)	SUSCEPTIBLE
GG24 (Navy)	GRENADE, 66 MM SMOKE SCREENING IR, VEHICLE LAUNCHED MK 1 MOD 0 PACKAGED 1 PER CARDBOARD TUBE, 4 CARDBOARD TUBES PER M2A1 AMMO BOX, 84 M2A1 AMMO BOXES PER METAL PALLET, M6 GRENADE DISCHARGER LAUNCHER, M1 ABRAMS TANK	M1 ABRAMS TANK (M6 GRENADE DISCHARGER)	SUSCEPTIBLE
HA21 (Navy)	ROCKET ASSEMBLY, M72AS 21 MM. , ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
HA29 (Navy)	M72A7 66 MM ROCKET, M72 SERIES, PERSONNEL-BORNE	PERSONNEL-BORNE (M72 SERIES)	SAFE
HX05 (Navy)	ROCKET, ASSAULT, SMAW , ENCASED, 83MM, DUAL MODE, H.E. MK 3 MOD 0, W/RKT MK 1 MOD 0 INCLUDES RKT MTR MK 115 MOD 0, IGNITER MK 303 MOD 0 WHD MK 121 MOD 0, FZ IMPACT MK 420 MOD 0, PKG 1-RKT W/6-CTGS 9MM SPOTTER-TRACER MK 212 MOD 0 IN MAGAZINE IN FIBERGLASS TUBE, 3 TUBES IN BARRIER BAG, 1 BAG PER FBRBD BX, 2 FBRBD BXS PER WDN BX	PERSONNEL-BORNE (MK 153 SHOULDER-LAUNCHED MULTIPURPOSE ASSAULT WEAPON (SMAW))	SAFE
HX06 (Navy)	ROCKET, ASSAULT, ENCASED, 83 MM, HEAA, (SMAW) MK 6 MOD 0, PKG 1 RKT W/6-RDS 9MM CTG MK 223), 3-RKTS W/18-CTGS 9MM PER STYROFOAM CNTR, (OVER PACKED IN CRDBD BX AND BARRIER BAG) 2-CNTRS (6-RKTS W/36-RDS 9MM CTGS) PER WDN BX, 4-	PERSONNEL-BORNE (MK 153 SHOULDER-LAUNCHED MULTIPURPOSE ASSAULT WEAPON	SAFE

	WDN BXS PER WDN PLT	(SMAW))	
HX07 (Navy)	ROCKET, ASSAULT, ENCASED, 83MM HEAA, PRACTICE (SMAW) MK 7 MOD 0 PKG 1-RKT ENCASED (W/6-RDS 9MM CTG MK 223), 3-RKTS (W/18-RDS 9MM CTGS)PER STYROFOAM CNTR (OVER PACKED IN CRDBD BX AND BARRIER BAG), 2-CNTRS (6-RKTS W/36-RDS 9MM CTGS) PER WDN BX, 4 WDN BXS PER WDN PLT	PERSONNEL-BORNE (MK 153 SHOULDER-LAUNCHED MULTIPURPOSE ASSAULT WEAPON (SMAW))	SAFE
J008 (Navy)	MINE, ANTI-PERSONNEL, PRACTICE, M68 W/NON-ELECTRIC INITIATION SYSTEM, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
J143 (Navy)	ROCKET MOTOR, 5 IN, MK 22 MOD 4 F/DEMOLITION LINEAR CHARGE M58A1, M68A1 MODIFIED. FIRED FROM GROUND OR TRAILER LAUNCH MODE OR MINE CLEARANCE KIT LVTP7. PKG 1 ROUND PER MK 757 MOD 0 WOODEN BOX, LINEAR DEMOLITION CHARGE ROCKET LAUNCHER, ASSAULT BREACHER VEHICLE	ASSAULT BREACHER VEHICLE (LINEAR DEMOLITION CHARGE ROCKET LAUNCHER)	SAFE
J143 (Navy)	ROCKET MOTOR, 5 IN, MK 22 MOD 4 F/DEMOLITION LINEAR CHARGE M58A1, M68A1 MODIFIED. FIRED FROM GROUND OR TRAILER LAUNCH MODE OR MINE CLEARANCE KIT LVTP7. PKG 1 ROUND PER MK 757 MOD 0 WOODEN BOX, LCAC SABRE SYSTEM LAUNCHER LAUNCHER, SHIP	SHIP (LCAC SABRE SYSTEM LAUNCHER)	SAFE
J143 (Navy)	ROCKET MOTOR, 5 IN, MK 22 MOD 4 F/DEMOLITION LINEAR CHARGE M58A1, M68A1 MODIFIED. FIRED FROM GROUND OR TRAILER LAUNCH MODE OR MINE CLEARANCE KIT LVTP7. PKG 1 ROUND PER MK 757 MOD 0 WOODEN BOX, LCAC DET SYSTEM LAUNCHER LAUNCHER, SHIP	SHIP (LCAC DET SYSTEM LAUNCHER)	SAFE
K139 (Navy)	M68 PRACTICE MINE KIT, HAND LAUNCHED, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
K143 (Navy)	MINE, ANTI-PERS, M18, NON-BOUNDING, NON-METALLIC, W/6 M4 BLASTING CAPS, 1 M40 TEST SET, IN BANDOLEER	PERSONNEL-BORNE (HAND LAUNCHED)	SUSCEPTIBLE
K143 (Navy)	MINE, ANTI-PERS, M18A1, NON-BOUNDING, NON-METALLIC, W/6 M4 BLASTING CAPS, 1 M40 TEST SET, IN BANDOLEER	PERSONNEL-BORNE (HAND LAUNCHED)	SUSCEPTIBLE
K143 (Air Force)	MINE, ANTI-PERS, M18A1, NON-BOUNDING, NON-METALLIC, W/6 M4 BLASTING CAPS, W/O M40 TEST SET, IN BANDOLEER	PERSONNEL-BORNE (HAND LAUNCHED)	SUSCEPTIBLE
K765 (Navy)	RIOT CONTROL AGENT, CS, CAPSULE, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
K765 (Navy)	RIOT CONTROL AGENT, ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT

L283 (Navy)	SIGNAL, SMOKE AND ILLUMINATION, MARINE MK 124 MOD 0, DISTRESS, DAY AND NIGHT, PERSONNEL-BORNE LAUNCHER, TO BE SPECIFIED	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
L283 (Navy)	SIGNAL, SMOKE AND ILLUMINATION, MARINE MK 124 MOD 0, DISTRESS, DAY AND NIGHT, PERSONNEL-BORNE LAUNCHER, SHIP	SHIP (PERSONNEL-BORNE)	NO REQUIREMENT
L305 (Navy)	SIGNAL, ILLUMINATION, GROUND, PARACHUTE, GREEN STAR, M195, HAND-FIRED, 50.0 SECOND BURNING TIME. 24 PER MTL CONTAINER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
L305 (Navy)	SIGNAL, ILLUMINATION, GROUND, PARACHUTE, GREEN STAR, M195, HAND-FIRED, 50.0 SECOND BURNING TIME. 36 PER BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
L306 (Navy)	SIGNAL, ILLUMINATION, GROUND, RED, STAR CLUSTER, M158/T133E2, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
L307 (Navy)	M159 WHITE STAR SIGNAL (L307), HAND LAUNCHED, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
L311 (Navy)	RED STAR GROUND ILLUMINATION SIGNAL (L311), HAND LAUNCHED, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
L312 (Navy)	SIGNAL, ILLUMINATION, GROUND, WHITE, STAR, PARACHUTE, M127 36 PER BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
L312 (Navy)	SIGNAL, ILLUMINATION, GROUND, WHITE, STAR, PARACHUTE, M127 24 PER MTL CONTAINER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
L314 (Navy)	M125A1 GREEN STAR CLUSTER GROUND ILLUMINATION SIGNAL (L314), HAND LAUNCHED, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
L495 (Navy)	FLARE, SURFACE, TRIP, M49 SERIES, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
L594 (Navy)	SIMULATOR, PROJECTILE GROUND BURST M115A2/M115E2.PKG.5/WTRPRF CTN, 20 CTN, 100 SIMULATORS/WDN BX. MIL-S-10058	COMPONENT (COMPONENT)	NO REQUIREMENT
L594 (Navy)	SIMULATOR, PROJECTILE, GROUND BURST, M115A2. PACKED 5 SIMULATORS PER PAPERBOARD BOX, 1 PAPERBOARD BOX PER BARRIER BAG, 20 BARRIER BAGS PER WOOD BOX (100 SIMULATORS), NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	COMPONENT (COMPONENT)	NO REQUIREMENT
L594 (Navy)	SIMULATOR, PROJECTILE GROUND BURST, M115A2, PKG 5/WTRPRF CTN, 20 CTN 100 SIMULATORS/WDN BX	COMPONENT (COMPONENT)	NO REQUIREMENT

L598 (Navy)	SIMULATOR, BOOBY TRAP, FLASH, M117 WITH SAFETY CLIP. PACKAGED 150 FLASH ASSEMBLIES PER FIBERBOARD BOX. ONE BOX PER WIREBOUND BOX. 30 BOXES PER PALLET.	COMPONENT (COMPONENT)	NO REQUIREMENT
L598 (Navy)	SIM, BOOBY TRAP, FLASH M117, PKGD, 150 PER WRBRND BX, 30 WRBRND BXS PER WDN PALLET	COMPONENT (COMPONENT)	NO REQUIREMENT
L598 (Navy)	SIMULATOR, EXPLOSIVE BOOBY TRAP M117 FLSH, W/ACCESSORIES PACKED 1/CTN, 5 CTN/CTN, 1 CTN/SEALED BAG, 30BAG,150 SIMULATOR/WTRPF-LND WDN BOX	COMPONENT (COMPONENT)	NO REQUIREMENT
L598 (Navy)	SIMULATOR, EXPLOSIVE BOOBY TRAP M117, W/ACCESSORIES 4 NAILS, 1 SPRG EXTNSN,3 STAPLES, 1-25 FT SPOOL TRIP WIRE, PKG 1 SIM/PAPRBD SET UP BX, 5-BX /SIMS AND 1 INSTN SHEET/FBRBD BX IN BARR BAG, 5-BAG 25-SIMS/M2A1 MTL BX 2 BX 50-SIMULATORS/WRBND BX	COMPONENT (COMPONENT)	NO REQUIREMENT
L599 (Navy)	SIMULATOR, BOOBY TRAP, M118, ILLUM	COMPONENT (COMPONENT)	NO REQUIREMENT
L599 (Navy)	SIMULATOR, BOOBY-TRAP ILLUMINATING, W/ACCESSORIES M118, PKG 1 SIMULATOR, 1 EXTENSION SPRING, 1 SPOOL ASSY, 2 NAILS, 4 STAPLES/CTN, 25 CTN 25 SIMULATORS/CTN, 6 CTN, 150 SIMULATORS/WTRPRF LND WDN BOX	COMPONENT (COMPONENT)	NO REQUIREMENT
L599 (Navy)	SIMULATOR, EXPLOSIVE BOOBY TRAP M118, W/ACCESSORIES 4 NAILS, 1 SPRG EXTNSN, 3 STAPLES, 1-25 FT SPOOL TRIP WIRE, PKG 1 SIM/PAPRBD SET UP BX, 5-BX/SIMS AND 1 INSTN SHEET/FBRBD BX IN BARR BAG, 5-BAG 25-SIMS/M2A1 MTL BX 2 BX 50-SIMULATORS/WRBND BX WRBND BX	COMPONENT (COMPONENT)	NO REQUIREMENT
M023 (Navy)	CHARGE, DEMOLITION, BLOCK, M112, COMP C-4, 1-1/4 LB, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M028 (Navy)	M1A2 BANGALORE TORPEDO DEMOLITION KIT, LAND-BASED, LINEAR DEMOLITION CHARGE ROCKET LAUNCHER	LAND-BASED (LINEAR DEMOLITION CHARGE ROCKET LAUNCHER)	NO REQUIREMENT
M030 (Navy)	CHARGE, DEMOLITION BLOCK, 1/4 LB, TNT.PKG.192 CHARGES W/48 ADAPTER, PRIMING M1A4/WDN BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M032 (Navy)	CHARGE, DEMOLITION, BLOCK, TNT, 1 LB, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M032 (Navy)	DEMOLITION, BLOCK, TNT 1 LB, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT

M039 (Navy)	CHARGE, DEMOLITION, CRATERING, AMMONIA NITRATE, 40 LB PACKAGED 1 PER M18A2 METAL CONTAINER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M039 (Navy)	CRATERING CHARGE, DEMOLITION, 40-POUND H-6 EXPLOSIVE, PKG 1 PER M18A2 METAL CONTAINER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M097 (Navy)	CAP, BLASTING, NON-ELECTRIC, INERT, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M098 (Navy)	CAP, BLASTING, ELECTRIC, INERT, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M130 (Navy)	CAP, BLASTING, ELECTRIC, M6., NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	COMPONENT (COMPONENT)	SUSCEPTIBLE
M130 (Navy)	CAP, BLASTING ELECTRIC M6 (NONPROPAGATING PACK) 1 CAP PER HOLDER, 10 HOLDERS (10 CAPS) PER M19A1 METAL AMMUNITION BOX, 4 M19A1 BOXES (40 CAPS) PER WIREBOUND BOX.	COMPONENT (COMPONENT)	SUSCEPTIBLE
M130 (Navy)	M6 BLASTING CAP (M130, NSN: 1375-01-192-9174), MEDUSA ENHANCED RECEIVER (P/N 0830704.R272) AND MEDUSA BASIC RECEIVER (P/N 082074.R272), LAND-BASED	LAND-BASED (MEDUSA)	SUSCEPTIBLE
M130 (Navy)	M6 BLASTING CAP (M130, NSN: 1375-01-316-1229), MEDUSA ENHANCED RECEIVER (P/N 0830704.R272) AND MEDUSA BASIC RECEIVER (P/N 082074.R272), LAND-BASED	LAND-BASED (MEDUSA)	SUSCEPTIBLE
M130 (Navy)	CAP, BLASTING, ELECTRIC, M6., MINI DEMOLITION REMOTE FIRING DEVICE (MINI-DRFD) LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (MINI DEMOLITION REMOTE FIRING DEVICE (MINI-DRFD))	SUSCEPTIBLE
M130 (Navy)	CAP, BLASTING, ELECTRIC, M6 (NON-PROPAGATING PACK) 1 CAP PER HOLDER, 10 HOLDERS PER M19A1 METAL CONTAINER, MINI DEMOLITION REMOTE FIRING DEVICE (MINI-DRFD) LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (MINI DEMOLITION REMOTE FIRING DEVICE (MINI-DRFD))	SUSCEPTIBLE
M131 (Navy)	CAP, BLASTING NON-ELEC M7, PKG 6/PAPRBD CTN, 32 CTN/M19A1 MTL BX, 4 MTL BXS/WRBND BX	COMPONENT (COMPONENT)	NO REQUIREMENT
M131 (Navy)	CAP, BLASTING M7, NONELECTRIC PKG 10 CAPS (IN CARDBOARD CNTR OVERP ACKED IN BARRIER BAG) 24-CNTRS (240- CAPS) PER M19A1 MTL BX, 2-MTL BXS (48 0-CAPS) PER WDN BX P/N MIL-B-48024	COMPONENT (COMPONENT)	NO REQUIREMENT
M131 (Navy)	CAP, BLASTING, NONELECTRIC M7, (NONPROP AGATING PACK)1 CAP HOLDER, 10 HOLDERS (10 CAPS) PER M19A1 METAL	COMPONENT (COMPONENT)	NO REQUIREMENT

	AMMUNITI ON BOX, 4 M19A1 BOXES (40 CAPS) PER WIREBOUND BOX		
M174 (Navy)	CARTRIDGE, CALIBER 50, BLANK, ELECT INITIATED, W/MK 1-2 SQUIB (USMC), TESTED APPLICATION LAUNCHER, PERSONNEL-BORNE	COMPONENT (COMPONENT)	SUSCEPTIBLE
M174 (Navy)	CARTRIDGE, CALIBER 50, BLANK, ELECT INITIATED, W/MK 1-2 SQUIB. TESTED APPLICATION LAUNCHER, PERSONNEL-BORNE	COMPONENT (COMPONENT)	SUSCEPTIBLE
M327 (Navy)	COUPLING BASE, FIRING DEVICE, W/M27 PRIMER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M327 (Navy)	COUPLING BASE, FIRING DEVICE, W/ M39A1 PRIMER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M420 (Navy)	CHARGE, DEMOLITION, SHAPED, M2 SERIES, 15 LB	COMPONENT (COMPONENT)	NO REQUIREMENT
M420 (Navy)	CHARGE, DEMOLITION M2A3 SHAPED, 15 LB LOADED W/PENTOLITE OR COMPOSITION B, PKD.9/CHG/WDN BOX	COMPONENT (COMPONENT)	NO REQUIREMENT
M420 (Navy)	CHARGE, DEMOLITION SHAPED, 15 LB, M2A4/M2A3E1.PKG. 3/CTN, 1 CTN,3 CHGS/WDN BX.	COMPONENT (COMPONENT)	NO REQUIREMENT
M421 (Navy)	CHARGE, DEMOLITION SHAPED, 40 LB, COMP B, M3, PKG 1/WDN BX	COMPONENT (COMPONENT)	NO REQUIREMENT
M421 (Navy)	CHARGE, DEMOLITION M3E2/M3A2 SHAPED, 40 LB COMP B PKG 1/WDN BX	COMPONENT (COMPONENT)	NO REQUIREMENT
M456 (Navy)	CORD, DETONATING, REINFORCED, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M458 (Navy)	3000 FT., DUMMY CORD, DETONATING TYPE III INERT PKG WDN BX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M474 (Navy)	CONTAINER, DEMOLITION CHARGE MK 1-0, EMPTY, CONE TYPE, 2.25 IN.DIA. PKG.AS REQUIRED.	COMPONENT (COMPONENT)	NO REQUIREMENT
M474 (Navy)	CONTAINER, DEMOLITION CHARGE, MK1 MOD 0,EMPTY CONE,TYPE 2.25 INCH DIA. PKG 8 CNTRS PER M2A1 METAL BX, 2 M2A1 BXS 16-CNTRS PER WIREBOUND BX	COMPONENT (COMPONENT)	NO REQUIREMENT
M475 (Navy)	CONTAINER, DEMOLITION CHARGE MK 2-0, EMPTY, CONE TYPE, 1.00 INCH DIA.PKG.50/WDN BX.	COMPONENT (COMPONENT)	NO REQUIREMENT
M475 (Navy)	CONTAINER, DEMOLITION CHARGE MK 2-1, EMPTY, CONE TYPE, 1.00 INCH DIA.PKG. 16/GREASEPRF WRAPPER, 12 WRAPPERS, 192 CONTAINERS/FBR CTN.	COMPONENT (COMPONENT)	NO REQUIREMENT
M475 (Navy)	CONTAINER, DEMOLITION CHARGE MK 2 MOD 1, EMPTY, CONE TYPE, 1.00 INCH DIA. PKG 10 CNTRS PER PA2/M2A1 MTL BX, 2 MTL BXS/20-CNTRS PER P WRBND WDN BX	COMPONENT (COMPONENT)	NO REQUIREMENT
M476	CONTAINER, DEMOLITION CHARGE MK 3-0,	COMPONENT	NO

(Navy)	EMPTY, CONE TYPE, and 3.00 INCH DIA.PKG.AS REQUIRED.	(COMPONENT)	REQUIREMENT
M476 (Navy)	CONTAINER, DEMOLITION CHARGE MK 3 MOD 0, EMPTY, CONE TYPE, 3.0 INCH DIA; 4.0 IN HT; PKG 4 CNTRS PER M2A1 METAL BX,2 M2A1 BXS (8 CNTRS) PER WIREBOUND BOX	COMPONENT (COMPONENT)	NO REQUIREMENT
M477 (Navy)	CONTAINER, DEMOLITION CHARGE MK 7-1, EMPTY, VEE TYPE, 6.00 INCH LONG.PKG.AS REQUIRED.	COMPONENT (COMPONENT)	NO REQUIREMENT
M477 (Navy)	CONTAINER, DEMOLITION CHARGE MK7 MOD1, EMPTY, VEE TYPE, 6.00 INCHES LONG PKG10 CNTRS PER M19A1 METAL BX 4 M19A1 BXS 40 CNTRS PER WIREBOUND BOX	COMPONENT (COMPONENT)	NO REQUIREMENT
M478 (Navy)	CONTAINER, DEMOLITION CHARGE MK 7-2, EMPTY, VEE TYPE, 6.00 INCH LONG.PKG.AS REQUIRED.	COMPONENT (COMPONENT)	NO REQUIREMENT
M478 (Navy)	CONTAINER, DEMOLITION CHARGE MK7 MOD2, EMPTY, VEE TYPE, 6.00 INCHES LONG, PKG 10 NTRS PER M19A1 METAL 3 BOX, 4 M19A1 BXS 40 CNTRS PER WIREBOUND BX	COMPONENT (COMPONENT)	NO REQUIREMENT
M479 (Navy)	CONTAINER, DEMOLITION CHARGE MK 7-3, EMPTY, VEE TYPE, 6.00 INCH LONG.PKG.AS REQUIRED.	COMPONENT (COMPONENT)	NO REQUIREMENT
M479 (Navy)	CONTAINER, DEMOLITION CHARGE MK7 MOD3, EMPTY, VEE TYPE, 6.00 INCHES LONG, PKG 10 CNTRS PER M19A1 METAL BOX,4 M19A1BXS 40 CNTRS PER WIREBOUND BX	COMPONENT (COMPONENT)	NO REQUIREMENT
M480 (Navy)	CONTAINER,DEMOLITION CHARGE MK 7-4,EMPTY,VEE TYPE, 3.00 INCH LONG.PKG.AS REQD.	COMPONENT (COMPONENT)	NO REQUIREMENT
M480 (Navy)	CONTAINER, DEMOLITION CHARGE MK7 MOD4, EMPTY, VEE TYPE, 3.00 INCHES LONG, PKG 10 CNTRS PER M19A1 METAL BOX, 4 M19A1 BXS 40 CNTRS PER WIREB OUND BX	COMPONENT (COMPONENT)	NO REQUIREMENT
M481 (Navy)	CONTAINER, DEMOLITION CHARGE MK 7 MOD 5, EMPTY, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	COMPONENT (COMPONENT)	NO REQUIREMENT
M481 (Navy)	CONTAINER, DEMOLITION CHARGE MK7 MOD5, EMPTY, VEE TYPE, 6.00 INCHES PKG 10 CNTRS PER M19A1 METAL BOX, 4 M19A1 METAL BOXES 40 CNTRS PER WRBND BX	COMPONENT (COMPONENT)	NO REQUIREMENT
M482 (Navy)	CONTAINER, DEMOLITION CHARGE MK 7 MOD 6, EMPTY, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	COMPONENT (COMPONENT)	NO REQUIREMENT
M482 (Navy)	CONTAINER, DEMOLITION CHARGE MK7 MOD6, EMPTY, VEE TYPE, 6.00 INCHES LONG PKG 10 CNTRS PER M19A1 METAL BOX, 4 M19A1 BXS 40 CNTRS PER WIREB OUND BX	COMPONENT (COMPONENT)	NO REQUIREMENT
M483 (Navy)	CONTAINER, DEMOLITION CHARGE MK 7 MOD 7, EMPTY NSN 1375-01-077-4379 P/N 795510-7, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	COMPONENT (COMPONENT)	NO REQUIREMENT

M483 (Navy)	CONTAINER, DEMOLITION CHARGE DEMOLITION CHARGE MK 7 MOD 7 EMPTY, F/EODU TOOL SET PKG 50 CONTAINERS WOOD BOX	COMPONENT (COMPONENT)	NO REQUIREMENT
M484 (Navy)	CONTAINER, DEMOLITION CHARGE MK 7 MOD 8, EMPTY, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	COMPONENT (COMPONENT)	NO REQUIREMENT
M484 (Navy)	CONTAINER, DEMOLITION CHARGE MK7 MOD 8, EMPTY, VEE TYPE, 6.00 INCHES LONG, PKG 10 CNTRS PER M19A1 METAL BOX, 4 M19A1 BXS 40 CNTRS PER WIREB OUND BX	COMPONENT (COMPONENT)	NO REQUIREMENT
M487 (Navy)	CONTAINER, DEMOLITION CHARGE MK 8 MOD 1, EMPTY, LINEAR UNDERWATER ASSY.PKG.100/FBR CNTR, 1 CNTR W/WTRPRF LINER/WDN BX.	COMPONENT (COMPONENT)	NO REQUIREMENT
M500 (Navy)	CUTTER, CARTRIDGE ACTUATED, M21, 2 SEC DELAY, PKGD IN BARRIER BAG	COMPONENT (COMPONENT)	NO REQUIREMENT
M500 (Navy)	CUTTER, CARTRIDGE ACTUATED, M21, 2 SEC DELAY, PKGD 10 CUTTERS PER M19A1 METAL BOX	COMPONENT (COMPONENT)	NO REQUIREMENT
M500 (Navy)	CUTTER, CARTRIDGE ACTUATED DEVICE, M21, 2 SEC DELAY IS CYLINDRICAL IN SHAPE, C/O A MECHANICALLY INITIATED FIRING PIN ASSEMBLY AND A CARTRIDGE ASSEMBLY WHICH INCORPORATES A PERCUSSION PRIMER, A PYROTECHNIC DELAY TRAIN AND A PROPELLANT OUTPUT CHARGE.	COMPONENT (COMPONENT)	NO REQUIREMENT
M585 (Navy)	DYNAMITE, AN 40 PERCENT, COMPONENT OF CANINE SCENT KIT NSN 1375-00-096-3098 P/N R70FA	COMPONENT (COMPONENT)	NO REQUIREMENT
M591 (Navy)	DYNAMITE,MILITARY M1,PA-PD-525,PKG 50 STICK/WTRPRF BAG 2 BAG,100 STICK/WDN BOX	COMPONENT (COMPONENT)	NO REQUIREMENT
M670 (Navy)	FUSE, BLASTING, TIME, EXPLOSIVE LOADED, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M670 (Navy)	FUSE, BLASTING, TIME, EXPLOSIVE LOADED NSN 1375-00-028-5151 P/N MIL-F-45144A NSN 1375-00-028-5152 P/N MIL-F-45144A NSN 1375-00-028-5246 P/N MIL-F-45144A NSN 1375-00-167-3856 P/N MIL-F-45144A NSN 1375-00-262-1674 P/N MIL-F-45144A, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M670 (Navy)	FUSE, BLASTING, TIME, EXPLOSIVE LOAD, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M757 (Navy)	DEMOLITION CHARGE ASSY (M757), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M914 (Navy)	CHARGE, DEMOLITION, LINEAR, PRACTICE, INERT, M68A2; W/FUZE PRACTICE,	ALL PLATFORMS (ALL	NO REQUIREMENT

	ELECTRICM1147; HARNESS CONNECTOR DWG 2846860 AND BOX TYPE 2-WAY ENTRY MTL PALLET W/COVER ASSEMBLY, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	LAUNCHERS)	
M914 (Navy)	CHARGE, DEMOLITION, LINEAR, PRACTICE, INERT, M68A2; W/FUZE PRACTICE, ELECTRICM1147; HARNESS CONNECTOR DWG 2846860 AND BOX TYPE 2-WAY ENTRY MTL PALLET W/COVER ASSEMBLY, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M980 (Navy)	CHARGE, DEMOLITION, EXPLOSIVE SHEET, 38 FT ROLL W/TAGGANT (20000 LBS NOMINAL), NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
M980 (Navy)	CHARGE, DEMOLITION, EXPLOSIVE SHEET, 38 FT ROLL (20000 LBS NOMINAL), NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
M981 (Navy)	CHARGE, DEMOLITION, EXPLOSIVE SHEET, 25 FT ROLL, NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
M981 (Navy)	CHARGE, DEMOLITION, EXPLOSIVE SHEET, 25 FT ROLL W/TAGGANT, NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
M982 (Navy)	CHARGE DEMOLITION, EXPLOSIVE SHEET, 19 FT ROLL, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
M986 (Navy)	CHARGE DEMOLITION EXPLOSIVE SHEET .333 IN X 10 IN X 9 FT LONG FLEXIBLE PKG 1 RO TO FIBERBOARD BX 1 FIBERBOARD BX TO WOOD BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
ML03 (Navy)	FIRING DEVICE, DEMOLITION, MULTIPURPOSE, M142, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	COMPONENT (COMPONENT)	NO REQUIREMENT
ML04 (Navy)	CUTTER, POWDER ACTUATED MK 23 MOD 0, MOD 1 EXROD, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	COMPONENT (COMPONENT)	NO REQUIREMENT
ML05 (Navy)	CUTTER, POWDER ACTUATED MK 24 MOD 0, MOD 1 EXROD , ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	COMPONENT (COMPONENT)	NO REQUIREMENT
ML12 (Navy)	CHARGE, DEMOLITION, SHAPED FLEXIBLE, LINEAR 60 GR/FT, EACH CHARGE 4 FEET LONG. PACKAGED 6 FOUR-FOOT LENGTHS IN WOODEN BOX, NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
ML12 (Navy)	CHARGE, DEMOLITION, SHAPED FLEXIBLE, LINEAR 60 GR/FT SMALL, NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
ML15 (Navy)	CHARGE, DEMOLITION SHAPED , LINEAR, FLEXIBLE, 225 GR/FT PKG 154 FT LENGTH TO CONTAINER	COMPONENT (COMPONENT)	NO REQUIREMENT

ML15 (Navy)	CHARGE, DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED 225 GRAINS CH-6 PER FT, EACH CHG 4-FT LONG;PKG 5 FOUR-FT LENGTHS, W/CUSHION TRAYS IN WDN BX	COMPONENT (COMPONENT)	NO REQUIREMENT
ML15 (Navy)	CHARGE, DEMOLITION, FLEXIBLE LINEAR SHAPED, 225 GRAINS PER FOOT PACKAGED THREE EA TO A WOODEN BOX & 77 BOXES PER WOODEN PALLET.	COMPONENT (COMPONENT)	NO REQUIREMENT
ML17 (Navy)	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, 400 GR/FT, NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
ML17 (Navy)	CHARGE, DEMOLITION, SHAPED, FLEXIBLE, LINEAR, 400 GR/FT, NOT APPLICABLE LAUNCHER, PERSONNEL-BORNE	PERSONNEL-BORNE (HAND LAUNCHED)	NO REQUIREMENT
ML26 (Navy)	CHARGE, DEMOLITION PRACTICE, LINEAR M69, W/FUZE ELECTRIC M1147 (FOR USE IN MINE CLEARANCE KIT MOUNTED IN LVTP7 OR LVTP7A1 VEHICLES) PKG 1 PER ALUMINUM VERTICAL PLT W/COVER, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM24 (Navy)	CHARGE, DEMOLITION, LOW HAZARD FLEXIBLE LINEAR SHAPED MK 142 MOD 0, 300 GRAINS/FOOT, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM24 (Navy)	CHARGE, DEMOLITION, LOW HAZARD FLEXIBLE LINEAR SHAPED MK 142 MOD 0 WITH TAGGANT, 300 GRAINS/FOOT. PACKAGED IN 18 - 20 FOOT LENGTHS, 360 FEET PER METAL DRUM, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM30 (Navy)	CHARGE, DEMOLITION MK 140 MOD 0, FLEXIBLE, 20 GRAM. PACKAGED 240 PER M2A1 AMMO BOX., ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM30 (Navy)	CHARGE, DEMOLITION MK 140 MOD 0, FLEXIBLE, 20 GRAM WITH TAGGANT. PACKAGED 240 PER M2A1 AMMO BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM31 (Navy)	CHARGE, DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED 30 GRAINS RDX PER FOOT, EACH CHG 6-FT LONG PKGD: AS REQUIRED, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM32 (Navy)	CHARGE, DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 40 GRAINS RDX PER FT, EACH CHG 6-FT LONG PKGD: AS REQUIRED , ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM33 (Navy)	CHARGE, DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 60 GRAINS RDX PER FT, EACH CHG 6-FT LONG PKGD: AS REQUIRED, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT

MM35 (Navy)	CHARGE, DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 125 GRAINS RDX PER FT. EACH CHG 6-FT LONG PKGD: AS REQUIRED, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM38 (Navy)	CHARGE, DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 225 GRAINS RDX PER FT, EACH CHG 6-FT LONG PKGD: AS REQUIRED, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM41 (Navy)	CHARGE DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED30 GRAINS OF CH-6 PER FT. EACH CHARGE 6 FT LONG, PGK 6 SIX-FOOT LENGTHS WITH CUSHION TRAYS IN WOODEN BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM42 (Navy)	CHARGE DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 40 GRAINS CH-6 PER FT. EACH CHG 6-FT LONG; PKG 6 SIX-FT LENGTHS W/CUSHION TRAYS IN WOODEN BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM43 (Navy)	CHARGE DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 60 GRAINS CH-6 PER FT EACH CHG 6-FT LONG; PKG 6 SIX FT LENGTHS W/CUSHION TRAYS IN WOODEN BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM44 (Navy)	CHARGE DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 75 GRAINS CH-6 PER FT EACH CHG 6-FT LONG; PKG 6 SIX-FOOT LENGTHS WITH CUSHIONS IN WOODEN BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM45 (Navy)	CHARGE DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 125 GRAINS CH-6 PER FOOT EACH CHG 6-FOOT LONG; PKG 6 SIX-FOOT LENGTHS W/CUSHION TRAYS IN WOODEN BOX , ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM46 (Navy)	CHARGE, DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 225 GRAINS CH-6 PER FT. EACH CHARGE SIX FOOT LONG; PACKAGED THREE (3) SIX FOOT LENGTHS W/CUSHION TRAYS IN WOODEN BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM47 (Navy)	CHARGE, DEMOLITION SHAPED, FLEXIBLE, LINEAR, LEAD SHEATHED, 400 GRAINS CH-6 PER FOOT EACH CHARGE SIX FOOT LONG;PACKAGED THREE (3) SIX FOOT LENGTHS W/CUSHION TRAYS IN WOODEN BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM48	CHARGE DEMOLITION SHAPED, FLEXIBLE,	ALL PLATFORMS	NO

(Navy)	LINEAR, LEAD SHEATHED, 600 GRAINS CH-6 PER FOOT EACH CHARGE SIX FEET LONG; PKG. (3) 6-SIX FOOT LENGTHS W/CUSHION TRAYS PER WOODEN BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	(ALL LAUNCHERS)	REQUIREMENT
MM51 (Navy)	CHARGE, DEMOLITION, LOW HAZARD FLEXIBLE LINEAR SHAPED MK 143 MOD 0, 600 GRAINS/FOOT. PACKAGED 180 FEET PER METAL DRUM, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM51 (Navy)	CHARGE, DEMOLITION, LOW HAZARD FLEXIBLE LINEAR SHAPED MK 143 MOD 0, 600 GRAINS/FOOT WITH TAGGANT. PACKAGED 180 FEET PER METAL DRUM, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM52 (Navy)	CHARGE, DEMOLITION, LOW HAZARD FLEXIBLE LINEAR SHAPED MK 144 MOD 0, 1200 GRAINS/FOOT WITH TAGGANT. PACKAGED 80 FEET PER METAL DRUM, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM52 (Navy)	CHARGE, DEMOLITION, LOW HAZARD FLEXIBLE LINEAR SHAPED MK 144 MOD 0, 1200 GRAINS/FOOT. PACKAGED 80 FEET PER METAL DRUM, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM53 (Navy)	CHARGE, DEMOLITION, MK 145 MOD 0 LOW HAZARD FLEXIBLE LINEAR SHAPED, 2400 GRAINS/FOOT. PACKAGED 40 FEET PER METAL DRUM, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM53 (Navy)	CHARGE, DEMOLITION, MK 145 MOD 0 LOW HAZARD FLEXIBLE LINEAR SHAPED, 2400 GRAINS/FOOT WITH TAGGANT. PACKAGED 40 FEET PER METAL DRUM, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM54 (Navy)	CHARGE, DEMOLITION, MK 149 MOD 0 LOW HAZARD FLEXIBLE LINEAR SHAPED, 5400 GRAINS/FOOT. 1 20-FOOT LENGTH PER METAL DRUM, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MM54 (Navy)	CHARGE, DEMOLITION, MK 149 MOD 0 LOW HAZARD FLEXIBLE LINEAR SHAPED, 5400 GRAINS/FOOT W/TAGGANT. 1 20-FOOT LENGTH PER METAL DRUM, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MN08 (Navy)	IGNITER, TIME BLASTING FUSE W/SHOCK TUBE CAPABILITY, M81.	COMPONENT (COMPONENT)	NO REQUIREMENT
MN08 (Navy)	IGNITER, TIME BLASTING FUSE W/SHOCK TUBE CAPABILITY, M81.	COMPONENT (COMPONENT)	NO REQUIREMENT
MN08 (Navy)	IGNITER, TIME BLASTING FUSE W/SHOCK TUBE CAPABILITY, M81; PACKAGED 45 PER M2A1 AMMO BOX, 2 M2A1 AMMO BOXES PER	COMPONENT (COMPONENT)	NO REQUIREMENT

	WIREBOUND BOX		
MN08 (Navy)	IGNITER, TIME BLASTING FUSE:W/SHOCK TUBE CAPABILITY, M81 (54 IGNITERS/M2A1 METAL CONTAINER FOR A TOTAL OF 108 IGNITERS/WIREBOUND AND 48 WIREBOUNDS/PALLET)	COMPONENT (COMPONENT)	NO REQUIREMENT
MN08 (Navy)	IGNITER, TIME BLASTING FUSE WITH SHOCK TUBE CAPABILITY M81. PACKED 5 IGNITERS PER FIBERBOARD BOX, ONE FIBERBOARD BOX PER BARRIER BAG, 60 BARRIER BAGS (300 IGNITERS) PER WOOD BOX. UN 0131 QD 1.4 STORAGE COMP GRPS.	COMPONENT (COMPONENT)	NO REQUIREMENT
MN14 (Navy)	FIRING DEVICE, HANDHELD (DUAL) MK 54 MOD 0 PKG 5 IN BEST COMMERCIAL PACKAGE PER ASTM D3951 FIBERBOARD BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MN14 (Navy)	FIRING DEVICE, HANDHELD (DUAL) MK 54 MOD 1 PKG 1 PER BEST COMMERCIAL PACKAGE, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MN14 (Navy)	FIRING DEVICE, HANDHELD (DUAL) MK 54 MOD 0 PKG 5 IN BEST COMMERCIAL PACKAGE PER ASTM D3951 FIBERBOARD BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MN50 (Navy)	DETONATOR, DELAY, PERCUSSION (WITH IN-LINE INITIATOR) MK 150 MOD 0. 10 EA PER PA19 CONTAINER. ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MN52 (Navy)	DETONATOR, PERCUSSION, NON-ELECTRIC WITH IN-LINE INITIATOR, DUAL MK 154 MOD 0. 100FT, 8 SPOOLS PER CNU-405/EMETAL.MILITARY SPECIFICATION/DRAWING30003-986AS106. ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MN79 (Navy)	ANTI-PERSONNEL OBSTACLE BREACHING SYSTEM, MK 7 MOD 2, CONSISTING OF 1 REAR BACKPACK ASSEMBLY, 1 FRONT BACKPACK ASSEMBLY, 1 MK 126 MOD 0 ROCKET MOTOR, 1 NON-ELECTRIC SQUIB, 1 LAUNCH TUBE, 1 TOOL KIT, 1 FRONT FUZE, 1 REAR FUZE, 1 FOAM TRANSPORT CONTAINER, AND 1 SOFT PACK, TO BE SPECIFIED LAUNCHER, PERSONNEL-BORNE	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MN79 (Navy)	ANTI-PERSONNEL OBSTACLE BREACHING SYSTEM, MK 7 MOD 1, CONSISTING OF 1 REAR BACKPACK ASSEMBLY, 1 FRONT BACKPACK ASSEMBLY, 1 MK 126 MOD 0 ROCKET MOTOR, 1 MK 19 MOD 0 ELECTRIC SQUIB, 1 LAUNCH TUBE, 1 TOOL KIT, 1 FRONT FUZE, 1 REAR FUZE, 1 FOAM TRANSPORT CONTAINER, AND 1 SOFT PACK	PERSONNEL-BORNE (ANTI-PERSONNEL OBSTACLE BREACHING SYSTEM (APOBS))	SUSCEPTIBLE

MN84 (Navy)	ANTI-PERSONNEL OBSTACLE BREACHING SYSTEM (APOBS) MINE CLEARANCE SYSTEM (MN84), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MN84 (Navy)	ANTI-PERSONNEL OBSTACLE BREACHING SYSTEM (APOBS) MINE CLEARANCE SYSTEM (MH84), ALL LAUNCHERS, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MN88 (Navy)	CAP, BLASTING, DUAL IN-LINE INITIATOR, NON ELECTRIC, M21 WITH 500 FOOT MINI-TIBE. PACKAGED 1 PER BARRIER BAG, 8 BARRIER BAGS PER FIBERBOARD BOX, 5 FIBERBOARD BOXES PER WOOD BOX, 6 WOOD BOXES PER WOOD PALLET.	COMPONENT (COMPONENT)	NO REQUIREMENT
MN90 (Navy)	CAP, BLASTING, DUAL-INITIATOR, NON-ELECTRIC, M23 WITH 1000 FEET MINITUBE. PACKAGED 4 PER FIBERBOARD BOX, 5 BOXES PER WOOD BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MU40 (Navy)	CORD, DETONATING PETN, WTRPRF W/POLYETHYLENE OVER- EXTRUSION, COLOR PALE GREEN, 400 GRAIN PETN PER FT PKGD: 500 FT PER PLYWOOD SPOOL 1 SPOOL (500 FT) PER FBRBD BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MU41 (Navy)	CORD, DETONATING PETN, WTRPRF W/POLYETHYLENE OVER- EXTRUSION, COLOR ORANGE, 200 GRAIN PETN /FT PKGD: 1200-FT/PLYWOOD SPOOL 1-SPOOL (1200 FT) PER FIBERBOARD BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MU42 (Navy)	CORD, DETONATING PETN, WTRPRF W/POLYETHYLENE OVER- EXTRUSION, COLOR CLEAR, 100 GRAIN PETN PER FT.PKDG:800-FT PER PLYWOOD SPOOL 2-SPOOLS (1600 FT) PER FIBERBOARD BX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MU43 (Navy)	CORD, DETONATING PETN, WTRPRF W/POLYETHYLENE OVER-EXTRUSION, COLOR CLEAR, 600 GRAIN PETN PER FT PKGD: 250 FT/PLYWOOD SPOOL 1-SPOOL (250 FT) PER FIBERBOARD BOX, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
MY57 (Navy)	POWDER, SMOKELESS IMPROVED MILITARY RIFLE DUPONT 4064 COMPONENT OF CANINE EXPLOSIVE SCENT KIT. PACKAGED IN 1 LB BOTTLE. 2 BOTTLES PER M19A1 CNTR.	COMPONENT (COMPONENT)	NO REQUIREMENT
MY57 (Navy)	PROPELLANT POWDER,SMOKELESS IMPROVED MILITARY RIFLE 4064 COMPONENT OF CANINE EXPLOSIVE SCENT KIT,ESD CONTAINER WITH 2 COTTON BAGS (.25 LB EA),4 ESD CONTAINERS PER M19A1 CNTR	COMPONENT (COMPONENT)	NO REQUIREMENT
N289 (Navy)	FUZE, M762, ET, W/O BOOSTER. PACKAGED 8/M2A1 METAL BOX. 2 METAL BOXES PER	COMPONENT (COMPONENT)	SAFE

	WIREBOUND BOX		
N290 (Navy)	FUZE, M767, ELECTRONIC TIME, W/BOOSTER PACKAGED 8 PER M2A1 METAL BOX, 2 BOXES PER WIREBOUND BOX , TESTED APPLICATION LAUNCHER, TESTED APPLICATION	COMPONENT (COMPONENT)	SAFE
N291 (Navy)	FUZE, M732A2, ET W/BOOSTER, PACKED 8 PER M2A1 METAL BOX PER WIREBOUND BOX , TESTED APPLICATION LAUNCHER, 105MM HOWITZER	COMPONENT (COMPONENT)	SAFE
N340 (Navy)	FUZE POINT DETONATING M739/XM739, 0.05 SEC SELECTIVE DELAY W/M125A1 BSTR, F/105 MM, 4.2-IN, 155 MM 175MM, 8-IN DETONATION INITIATED CTGS PKG, 8-RD/M2A1 MTL BX, 2 BX, 16-RD/P WRBND BX	COMPONENT (COMPONENT)	NO REQUIREMENT
N340 (Navy)	FUZE, PD, M739A1, PKGD 8 FUZES PER M2A1 MTL CNTR, 2 MTL CNTRS PER WRBND WDN BX, 36 WRBND WDN BXS PER 40X48 WDN PALLET	COMPONENT (COMPONENT)	NO REQUIREMENT
N340 (Navy)	FUZE POINT DETONATING M739, DUAL MODE IMPACT/DELAY PKG 8-RDS PER M2A1 MTL BX W/NON-PROPAGATING INNER PACK, 2-BXS (16-RDS) W/5/16 INCH THICK PAPER TUBES (8140-01-082-9678-NX88) PER WRBND WDN BX	COMPONENT (COMPONENT)	NO REQUIREMENT
N340 (Navy)	FUZE POINT DETONATING M739A1, DUAL MODE, IMPACT/DELAY PKG 8-RDS PER M2A1 MTL BX W/NON-PROPAGATING INNER PACK, 2 BXS (16-RDS) W/5/16 INCH THICK PAPER TUBES (8140-01-082-9678-NX88) PER WRBND WDN BX	COMPONENT (COMPONENT)	NO REQUIREMENT
N523 (Navy)	PRIMER, PERCUSSION M82. PKG. 1/BARRIER BAG, 25 BAG/CTN, 1 CTN/WTRPRF BAG, 20 BAG, 100 PRIMER/M2A1 METAL CAN, 2 M2A1 CANS PER WOODEN BOX. ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
N523 (Navy)	PRIMER, PERCUSSION M82. PKG. 25 /CTN, 20 CTN/WOOD BOX, 18 WOOD BOXES PER WOOD PALLET, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
N659 (Navy)	FUZE, PD MK 399 MOD 1, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
NA09 (Navy)	FUZE, MOFA, M782 W/BOOSTER, PBXN-5. PACKAGED, 8 FUZES PER M2A1 CAN, TWO M2A1 CAN PER WIREBOUND BOX, 36 WIREBOUND BOXES PER WOOD PALLET.	COMPONENT (COMPONENT)	SUSCEPTIBLE
NA09 (Navy)	M1122 155MM PROJECTILE (DA51) WITH M782 MULTIPLE OPTION FUZE ARTILLERY (MOFA) (NA09), M777A2 155MM LW HOWITZER, LAND-BASED	LAND-BASED (M777A2 155 MM LW HOWITZER)	SUSCEPTIBLE
NA15 (Navy)	FUZE, ELECTRONIC TIME, M767A1 FOR 105MM AND 155 MM ARTILLERY ROUNDS.	120 MM MORTAR ROUND	SAFE

	SHIPPED 8 FUZES PER M2A1 METAL AMMUNITION CONTAINER, M120/M121 120 MM MORTAR LAUNCHER, 120 MM MORTAR ROUND	(M120/M121 120 MM Mortar)	
NA15 (Navy)	FUZE, ELECTRONIC TIME, M767A1 FOR 105MM AND 155 MM ARTILLERY ROUNDS. SHIPPED 8 FUZES PER M2A1 METAL AMMUNITION CONTAINER, 155 MM GUN LAUNCHER, 155MM ARTILLERY SYSTEM	155MM ARTILLERY SYSTEM (155MM GUN)	SAFE
NA17 (Navy)	FUZE, ELECTRONIC TIME M762A1, PACKAGED 8 FUZES PER M2A1 METAL CAN, 2 M2A1 METAL CANS (16 FUZES) PER WIRE BOUND BOX, 36 WIRE BOUND BOXES (576 FUZES) PER WOOD PALLET, M120/M121 120 MM MORTAR LAUNCHER, 120 MM MORTAR ROUND	120 MM MORTAR ROUND (M120/M121 120 MM Mortar)	SAFE
NA17 (Navy)	FUZE, ELECTRONIC TIME M762A1, PACKAGED 8 FUZES PER M2A1 METAL CAN, 2 M2A1 METAL CANS (16 FUZES) PER WIRE BOUND BOX, 36 WIRE BOUND BOXES (576 FUZES) PER WOOD PALLET, TESTED APPLICATION LAUNCHER, 105MM HOWITZER	LAND-BASED (105 MM HOWITZER)	SAFE
PL64 (Navy)	GUIDED MISSILE, JAVELIN FULL RATE PRODUCTION III, FGM-148C	PERSONNEL-BORNE (JAVELIN LAUNCH TUBE ASSEMBLY)	SAFE
PL64 (Navy)	GUIDED MISSILE, SURFACE ATTACK FGM-148C, ANTI-TANK JAVELIN WITH URETHANE COATED LAUNCH TUBE. IDENTICAL TO 1427-01-475-8172	PERSONNEL-BORNE (JAVELIN LAUNCH TUBE ASSEMBLY)	SAFE
PN01 (Navy)	BATTERY-COOLANT UNIT, GUIDED MISSILE PACKING INSTRUCTION 13317316, NSN 1440-01-332-8131 PN01 HAS 2 OPTIONS OPTION 1: FOR PACKAGING AND SHIPMENT OF ONE (1) BCU. OPTION 2:FOR CONTAINERIZATION OF TWENTY-FIVE (25) BCUS FOR SHIPMENT FROM THE BCU MANUFAC. TO THE MISSILE ASSY. FACILITY.	COMPONENT (COMPONENT)	SAFE
PN16 (Navy)	GRIPSTOCK CONTROL GROUP, GUIDED MISSILE LAUNCHER, F/STINGER MISSILE-RMP FIM-92C, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
PN16 (Navy)	GRIPSTOCK CONTROL GROUP, GUIDED MISSILE LAUNCHER, F/STINGER MISSILE-RMP FIM-92C, NSN 1440-01-233-1494 P/N 13251828, ALL LAUNCHERS LAUNCHER, ALL PLATFORMS	ALL PLATFORMS (ALL LAUNCHERS)	NO REQUIREMENT
PV82 (Navy)	GUIDED MISSILE SURFACE ATTACK, BGM-71F-1, TOW PKGD. 1 PER WOODEN CNTR, 12 CNTRS. PER PALLET	COUGAR CAT I (M41 ITAS/SABER)	SUSCEPTIBLE
PV82 (Navy)	GUIDED MISSILE SURFACE ATTACK, BGM-71F-1, TOW-2B PACKAGED 1 MISSILE PER ESD BAG, 1 BAG PER WOOD CONTAINER, 12 CONTAINERS. PER PALLET	COUGAR CAT I (M41 ITAS/SABER)	SUSCEPTIBLE

PV82 (Navy)	GUIDED MISSILE SURFACE ATTACK, BGM-71F-1, TOW PKGD. 1 PER WOODEN CNTR, 12 CNTRS. PER PALLET	PERSONNEL-BORNE (M220)	SUSCEPTIBLE
PV83 (Navy)	GUIDED MISSILE, TOW 2A, BGM-71E-4B, PKGD 1 PER WRBND BX, 12 WRBND BXS PER WDN PALLET	PERSONNEL-BORNE (M220)	SUSCEPTIBLE
PV83 (Navy)	GUIDED MISSILE SURFACE ATTACK, TOW 2A, BGM-71E-4B, PACKAGED 1 PER FBR RF-BAG05A, 1 PER WRBND BX, 12 WRBND BXS PER WDN PALLET.	PERSONNEL-BORNE (M220)	SUSCEPTIBLE
VX99 (Navy)	STINGER LAUNCH SIMULATOR (STLS) MISSILE, MANPAD, PERSONNEL-BORNE	PERSONNEL-BORNE (MANPAD)	SUSCEPTIBLE
WH03 (Navy)	GUIDED MISSILE, BGM-71E-2B (TOW-2A) WITH IMPROVED MISSILE ORDNANCE INHIBIT CIRCUIT (IMOIC), PACKAGED 1 MISSILE PER WOODEN BOX, 12 MISSILES PER PALLET. THIS ITEM IS PE96, NSN 1410-01-300-0254 WITH AN ADDED IMOIC. ALL OTHER DATA REMAINS THE SAME	PERSONNEL-BORNE (TOW TUBE LAUNCHER)	SUSCEPTIBLE
WH05 (Navy)	GUIDED MISSILE, PRACTICE, BTM-71E-1B PACKAGED 1 PER WOODEN BOX, 12 BOXES PER PALLET	LAND-BASED (M220)	SUSCEPTIBLE
WH05 (Navy)	GUIDED MISSILE, PRACTICE, BTM-71E-1B PACKAGED 1 PER WOODEN BOX, 12 BOXES PER PALLET	PERSONNEL-BORNE (TOW TUBE LAUNCHER)	SUSCEPTIBLE
WH50 (Navy)	BGM-71H-1 TOW BB, M220 LAUNCHER, TRIPOD	TRIPOD (M220)	SUSCEPTIBLE

MCB Camp Lejeune Drawings

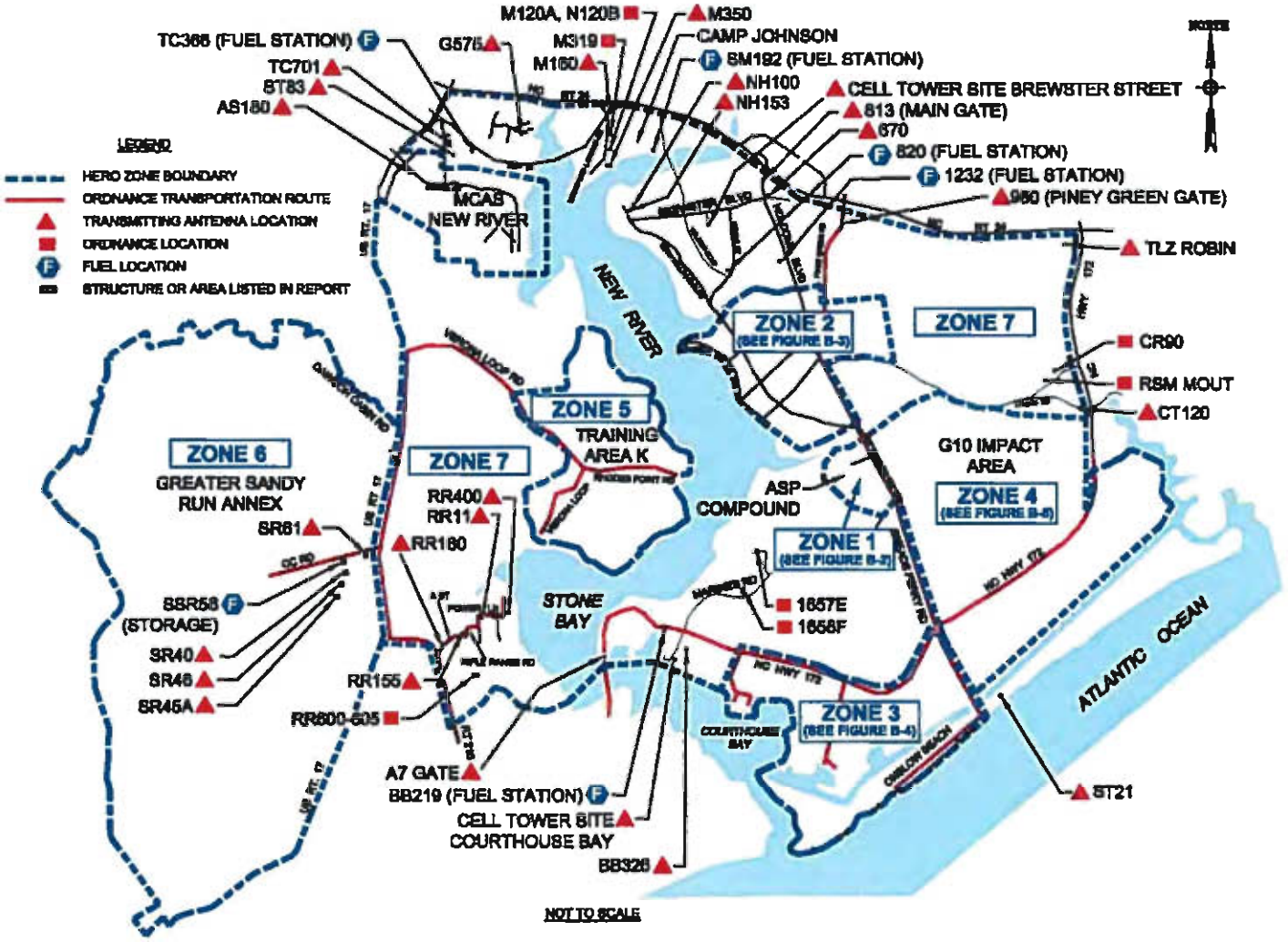

FIGURE B-1. MARINE CORPS BASE CAMP LEJEUNE, NC, MAIN BASE, HERO ZONES: TRANSMITTING ANTENNA, ORDNANCE, AND FUEL LOCATIONS AND ORDNANCE TRANSPORTATION ROUTE

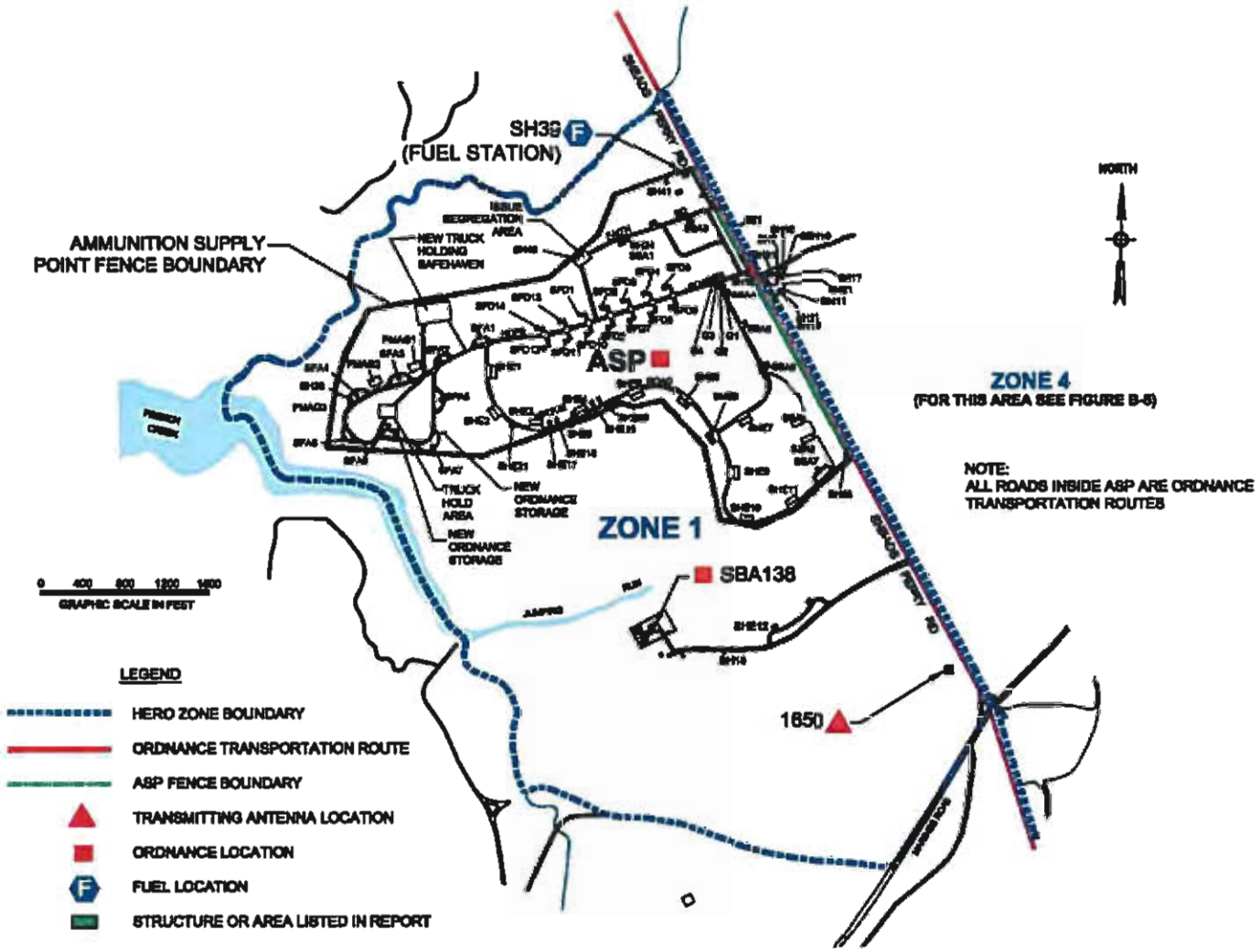

FIGURE B-2. MARINE CORPS BASE CAMP LEJEUNE, NC [AMMUNITION SUPPLY POINT (ASP) AREA] HERO ZONE 1: TRANSMITTING ANTENNA, ORDNANCE, AND FUEL LOCATIONS AND ORDNANCE TRANSPORTATION ROUTE

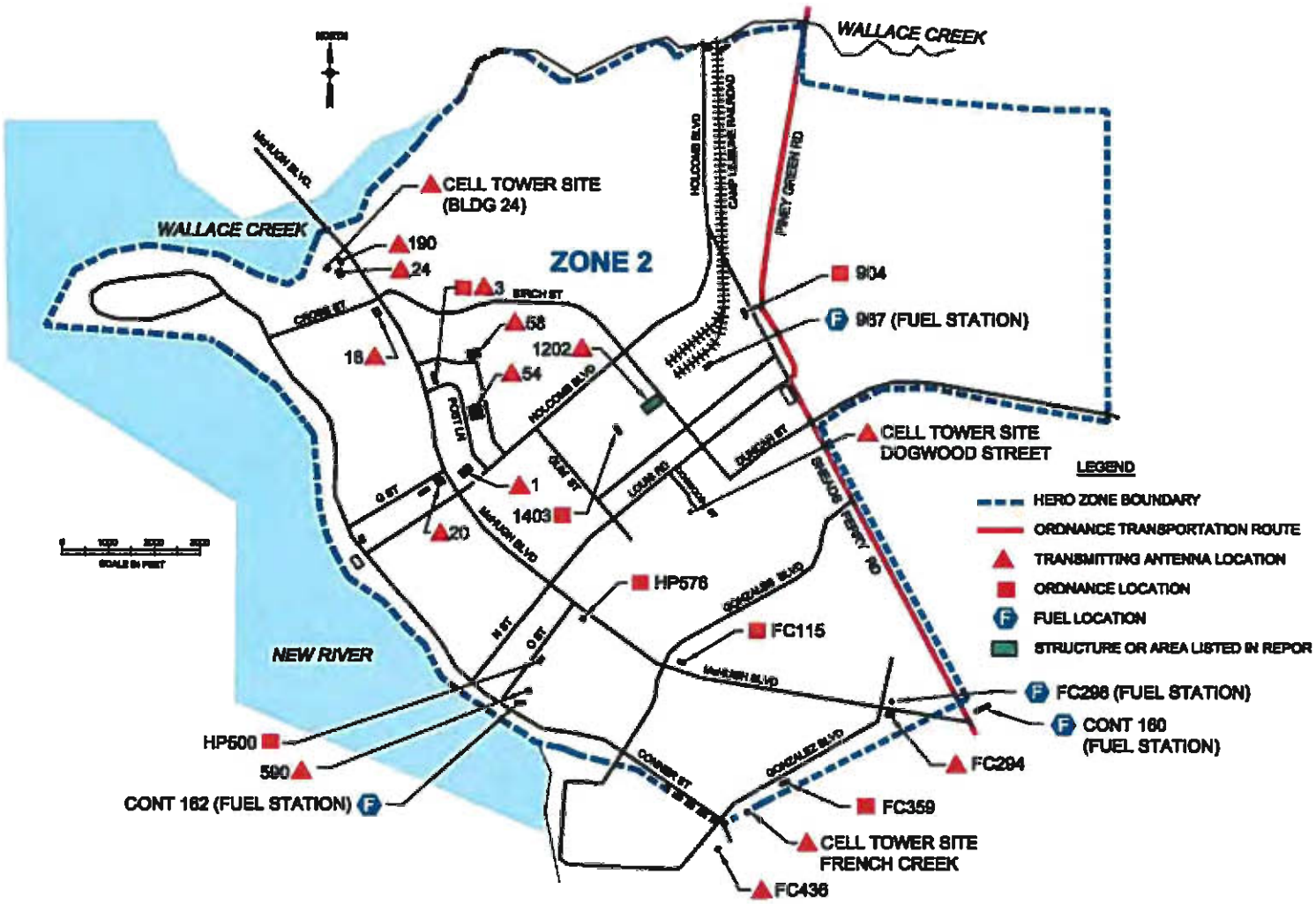

FIGURE B-3. MARINE CORPS BASE CAMP LEJEUNE, NC, HERO ZONE 2: TRANSMITTING ANTENNA, ORDNANCE, AND FUEL LOCATIONS AND ORDNANCE TRANSPORTATION ROUTE

B-42

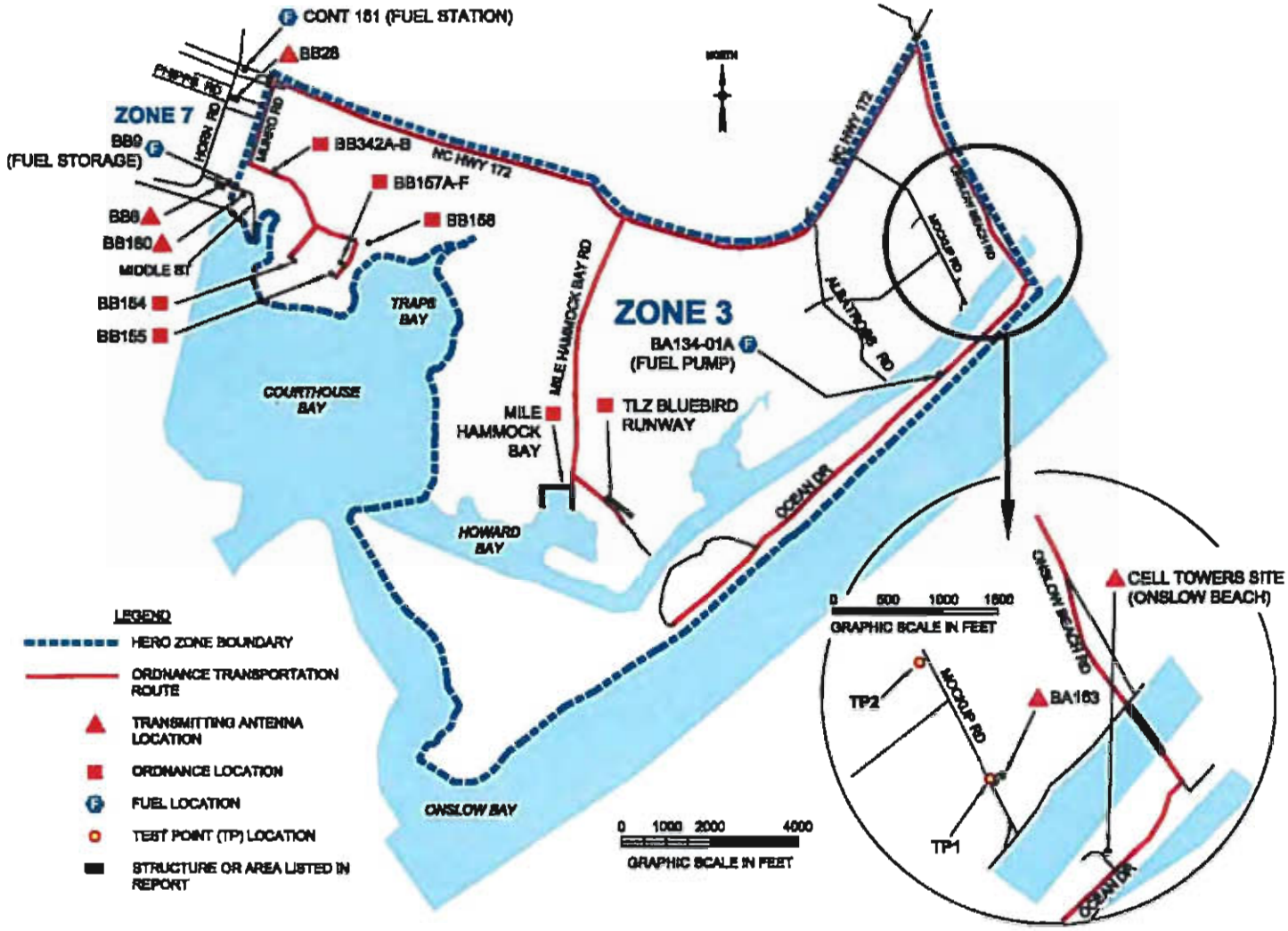

FIGURE B-4. MARINE CORPS BASE CAMP LEJEUNE, NC, COURTHOUSE BAY, HERO ZONE 3: TRANSMITTING ANTENNA, ORDNANCE, FUEL, AND TEST POINT (TP) LOCATIONS AND ORDNANCE TRANSPORTATION ROUTE

B-43

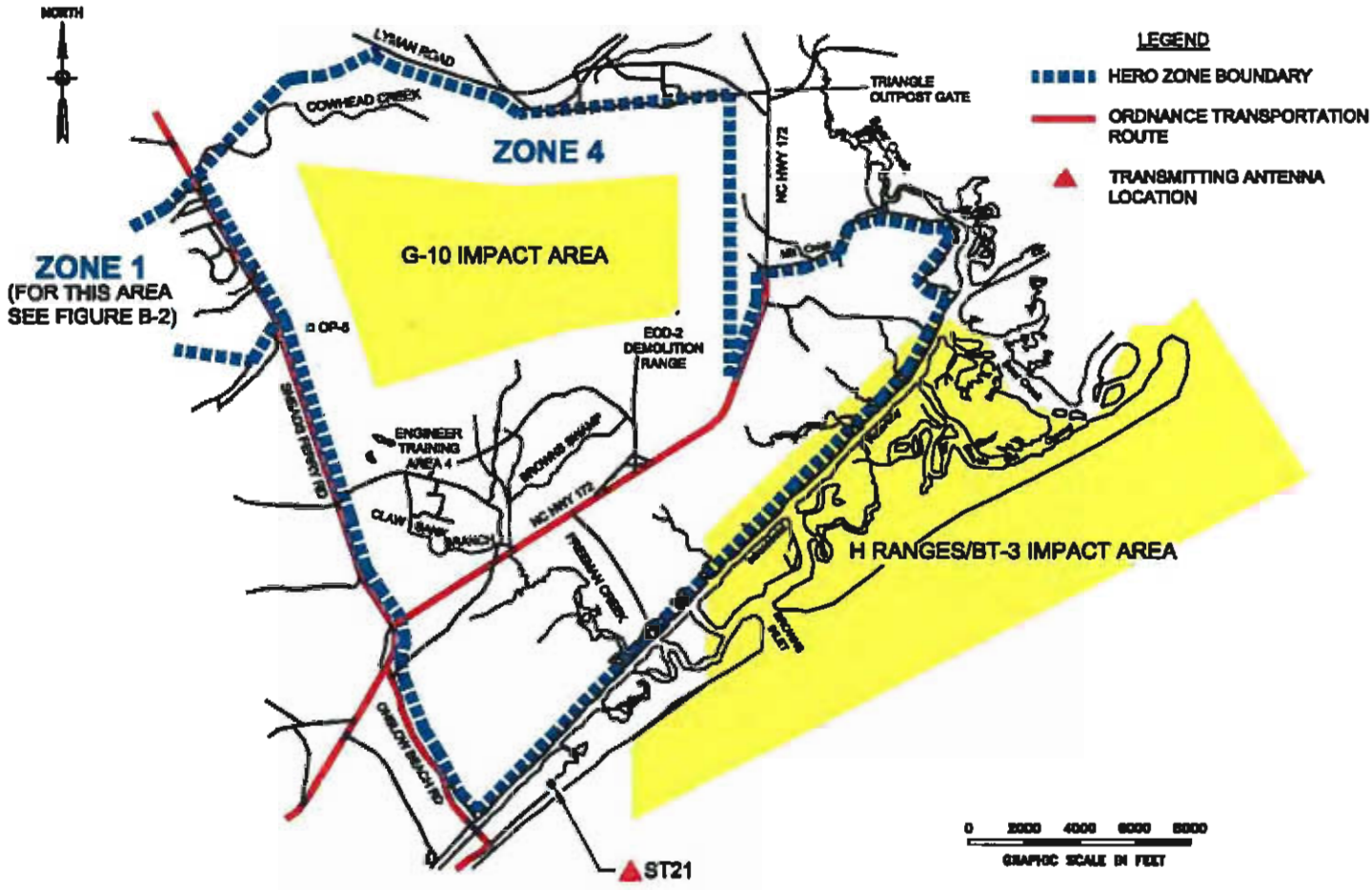

FIGURE B-5. MARINE CORPS BASE CAMP LEJEUNE, NC (G10 IMPACT AREA), HERO ZONE 4: TRANSMITTING ANTENNA AND ORDNANCE LOCATIONS AND ORDNANCE TRANSPORTATION ROUTE

HERO EMCON Ordnance Matrix

DoDIC	ORDNANCE	S4 PHASES	LOCATION	HERO CONDITION
General Applications				
All	HERO SAFE ORDNANCE	All S4 phases	All locations	0
All	HERO UNSAFE ORDNANCE	All S4 phases	Zone 1 Zone 2 Zone 3 Zone 4 Zone 5 Zone 6 Zone 7	1 1 1 2 1 2 1
All	HERO SUSCEPTIBLE ORDNANCE	All S4 phases	Zone 1 Zone 2 Zone 3 Zone 4 Zone 5 Zone 6 Zone 7	3 3 3 4 3 4 3

HERO EMCON ORDNANCE MATRIX - MAY 2016

HERO EMCON Condition Matrix

HERO CONDITION	REQUIREMENTS	HERO ZONE
0	HERO EMCON is not required; all transmitters (as listed in enclosure (6)) may be operated. Observe the general HERO requirements outlined in Chapter 7 of OP 3565.	
1	This condition applies to HERO unsafe ordnance. • Observe the HERO unsafe ordnance safe separation distances for all aircraft transmitters except VHF/UHF communications transmitters operating at less than 20 watts or transmitters operating into dummy loads. • For boats and tugs berthed at the Installation, observe the HERO unsafe ordnance safe separation distances listed in the boat's HERO bill for all onboard line-of-sight (LOS) communications systems. If these safe separation distances cannot be maintained or if the boat does not have a HERO bill, silence all LOS communications systems with the exception of marine band VHF radios operating in the 1-watt mode. • For boats and tugs berthed at the Installation, observe the HERO unsafe ordnance safe separation distances listed in the boat's HERO bill for all onboard radar systems. If these distances cannot be maintained or if the boat does not have a HERO bill, silence all non-navigational onboard radar systems. • For in-flight aircraft carrying ordnance items directly exposed to the Installation's EME, observe the HERO unsafe ordnance safe separation distances listed in enclosure (6) for all stationary transmitters. • Observe the HERO unsafe ordnance safe separation distances listed in enclosure (6) for all mobile and portable transmitters. • For an ordnance accident, emergency response units such as the Fire Department, Weapons Department, and Security responding to the scene with radio equipment must maintain a minimum separation distance of 150 feet from the accident site if using 3 VHF (132-174 MHz) mobile radios; similarly, a minimum separation distance of 50 feet must be maintained when using 3 VHF portable radios. Silence all other radios at the scene; for single radio use, apply the safe separation distances cited in enclosure (6) for that specific mobile or portable unit.	1, 2, 3, 5, 7

HERO EMCON CONDITION MATRIX - MAY 2016

HERO CONDITION	REQUIREMENTS	HERO ZONE
2	This condition applies to HERO unsafe ordnance. • Observe the HERO unsafe ordnance safe separation distances for all aircraft transmitters except VHF/UHF communications transmitters operating at less than 20 watts or transmitters operating into dummy loads. • For in-flight aircraft carrying ordnance items directly exposed to the Installation's EME, observe the HERO unsafe ordnance safe separation distances listed in enclosure (6) for all stationary transmitters. • Observe the HERO unsafe ordnance safe separation distances listed in enclosure (6) for all mobile and portable transmitters. • For an ordnance accident, emergency response units such as the Fire Department, Weapons Department, and Security responding to the scene with radio equipment must maintain a minimum separation distance of 150 feet from the accident site if using 3 VHF (132-174 MHz) mobile radios; similarly, a minimum separation distance of 50 feet must be maintained when using 3 VHF portable radios. Silence all other radios at the scene; for single radio use, apply the safe separation distances cited in enclosure (6) for that specific mobile or portable unit.	4 & 6
3	This condition applies to HERO susceptible ordnance. • Observe the HERO susceptible ordnance safe separation distances for all aircraft transmitters except VHF/UHF communications transmitters operating at less than 40 watts or transmitters operating into dummy loads. • For boats and tugs berthed at the Installation, observe the HERO susceptible ordnance safe separation distances listed in the boat's HERO bill for all onboard LOS communications systems. If these safe separation distances cannot be maintained or if the boat does not have a HERO bill, silence all LOS communications systems with the exception of marine band VHF radios operating in the 1-watt mode. • For boats and tugs berthed at the Installation, observe the HERO susceptible ordnance safe separation distances listed in the boat's HERO bill for all onboard radar systems. If these distances cannot be maintained or if the boat does not have a HERO bill, silence all non-navigational onboard radar systems. • Observe the HERO susceptible ordnance safe separation distances listed in enclosure (6) for all mobile and portable transmitters.	1, 2, 3, 5, 7
4	This condition applies to HERO susceptible ordnance. • Observe the HERO susceptible ordnance safe separation distances for all aircraft transmitters except VHF/UHF communications transmitters operating at less than 40 watts or transmitters operating into dummy loads. • Observe the HERO susceptible ordnance safe separation distances listed in enclosure (6) for all mobile and portable transmitters.	4 & 6

HERO EMCON CONDITION MATRIX - MAY 2016

Antenna and Transmitter Systems

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
1 (EOC)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
1 (EOC)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
1 (EOC)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
1 (EOC)	DECIBEL PRODUCTS DB404 (5.9 GAIN)	DUAL DIPOLE	5.9	406-470	110.0	MOTOROLA ASTRO XTL 2500	146/45	37/11
1 (EOC)	DECIBEL PRODUCTS DB404 (5.9 GAIN)	DUAL DIPOLE	5.9	406-470	45.0	MOTOROLA ASTRO XTL 2500	94/29	23/7
1 (EOC)	DECIBEL PRODUCTS DB404 (5.9 GAIN)	DUAL DIPOLE	5.9	450-500	45.0	MOTOROLA ASTRO XTL 2500	84/26	21/6
1 (EOC)	DECIBEL PRODUCTS DB404 (5.9 GAIN)	DUAL DIPOLE	5.9	500-512	40.0	MOTOROLA ASTRO XTL 2500	72/22	18/5
1 (EOC)	DECIBEL PRODUCTS DB404 (5.9 GAIN)	DUAL DIPOLE	5.9	512	25.0	MOTOROLA ASTRO XTL 2500	55/17	14/4
3 (PMO)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
3 (PMO)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
3 (PMO)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
18 (FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIDNAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
18 (FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
18 (FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
20 (WATER TREATMENT)	DIPOLE	DIPOLE	2.1	132-174	5.0	DATARADIO T-96SR	62/19	15/5
20 (WATER TREATMENT)	DIPOLE	DIPOLE	2.1	380-512	5.0	DATARADIO T-96SR	22/7	10/3
20 (WATER TREATMENT)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
20 (WATER TREATMENT)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
20 (WATER TREATMENT)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
24	DECIBEL PRODUCTS DB404 (5.9 GAIN)	DUAL DIPOLE	5.9	406-482	40.0	MOTOROLA ASTRO DIGITAL PLUS CONSOLETTE (UHF)	88/27	22/7
24	ANTEL BXA-80063/8CF	PANAL	18.1	806-900	40.0	NORTEL CDMA GENII METRO	181/55	45/14
24	ANTEL BCD-8708	OMNI DIRECTIONAL	9.1	870-900	98.0	NORTEL NT800DR	93/28	23/7
24 (E-LMR SITE 1)	DBSPECTRA DS3B06F36U-N	DIPOLE	8.15	380-390	100.0	HARRIS MASTR V (UHF)	193/59	48/15
54 (RANGE CONTROL)	YAGI	YAGI	10.0	132-174	2.5	DATARADIO DL-3400 SERIES ANALOG TELEMETRY RADIO	109/33	27/8
54 (RANGE CONTROL)	YAGI	YAGI	10.0	450-470	2.5	DATARADIO DL-3400 SERIES ANALOG TELEMETRY RADIO	32/10	10/3
54 (RANGE CONTROL)	TACD D2118	MULDIPOL MULTIPLE DIPOLE COLLINEAR ARRAY	1.0	116-174	50.0	AN/URC-200(V)2 (WITH UPA-50)	197/60	49/15
54 (RANGE CONTROL)	TACD D2118	MULDIPOL MULTIPLE DIPOLE COLLINEAR ARRAY	1.0	116-174	10.0	AN/URC-200(V)2 (FM)	88/27	22/7

JUL 2 0 2017

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
54 (RANGE CONTROL)	TACO D2118	MULDIPOL MULTIPLE DIPOLE COLLINEAR ARRAY	1.0	225-400	50.0	AN/URC-200(V)2 (WITH UPA-50)	101/31	25/8
54 (RANGE CONTROL)	TACO D2118	MULDIPOL MULTIPLE DIPOLE COLLINEAR ARRAY	1.0	225-400	10.0	AN/URC-200(V)2 (FM)	45/14	11/3
54 (RANGE CONTROL)	LOWBAND RINGO BR-3	WHIP	4.1	32-42	50.0	AN/URC-200(V)2 (WITH AM-1077MOT)	408/124	102/31
54 (RANGE CONTROL)	UVU-200	DUAL-BAND BASE STATION ANTENNA	2.5	115-174	50.0	AN/URC-200(V)2 (WITH UPA-50)	236/72	59/18
54 (RANGE CONTROL)	UVU-200	DUAL-BAND BASE STATION ANTENNA	2.5	115-174	10.0	AN/URC-200(V)2 (FM)	105/32	26/8
54 (RANGE CONTROL)	UVU-200	DUAL-BAND BASE STATION ANTENNA	2.5	225-400	50.0	AN/URC-200(V)2 (WITH UPA-50)	120/37	30/9
54 (RANGE CONTROL)	UVU-200	DUAL-BAND BASE STATION ANTENNA	2.5	225-400	10.0	AN/URC-200(V)2 (FM)	54/16	13/4
58 (911)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
58 (911)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
58 (911)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
190	DIPOLE	DIPOLE	2.1	132-174	5.0	DATARADIO T-96SR	62/19	15/5
190	DIPOLE	DIPOLE	2.1	380-512	5.0	DATARADIO T-96SR	22/7	10/3
590	DIPOLE	DIPOLE	2.1	132-174	5.0	DATARADIO T-96SR	62/19	15/5
590	DIPOLE	DIPOLE	2.1	380-512	5.0	DATARADIO T-96SR	22/7	10/3
670	DIPOLE	DIPOLE	2.1	132-174	5.0	DATARADIO T-96SR	62/19	15/5
670	DIPOLE	DIPOLE	2.1	380-512	5.0	DATARADIO T-96SR	22/7	10/3
670 (WATER TREATMENT)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
670 (WATER TREATMENT)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
670 (WATER TREATMENT)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
813 (MAIN GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
813 (MAIN GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
813 (MAIN GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
980 (PINEY GREEN GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
980 (PINEY GREEN GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
980 (PINEY GREEN GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
1202	DECIBEL PRODUCTS DB404 (5.9 GAIN)	DUAL DIPOLE	5.9	406-512	50.0	MOTOROLA SPECTRA DESKTOP BASE/CONTROL STATION (RANGE 2)	99/30	25/8
1650	DIPOLE	DIPOLE	2.1	132-174	5.0	DATARADIO T-96SR	62/19	15/5
1650	DIPOLE	DIPOLE	2.1	380-512	5.0	DATARADIO T-96SR	22/7	10/3
2600 (FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
2600 (FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
2600 (FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
A7 (GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
A7 (GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
A7 (GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
AS180	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
AS180	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7

JUL 2 0 2017

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
AS180	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
BA138 (MOCK UP ROAD)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
BA138 (MOCK UP ROAD)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
BA138 (MOCK UP ROAD)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
BA163	AN/MSQ-T8A		CLASSIFIED	CLASSIFIED	CLASSIFIED	AN/MSQ-T8A	5547/1699	1393/425
BA163	WHIP	WHIP	2.1	403-512	40.0	MOTOROLA CDM1250 (UHF) (HIGH POWER)	57/18	14/4
BA163	WHIP	WHIP	2.1	403-512	25.0	MOTOROLA CDM1250 (UHF) (LOW POWER)	45/14	11/3
BB8 (FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
BB8 (FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
BB8 (FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
BB28	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
BB28	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
BB28	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
BB180	DIPOLE	DIPOLE	2.1	132-174	5.0	DATARADIO T-96SR	62/19	15/5
BB180	DIPOLE	DIPOLE	2.1	380-512	5.0	DATARADIO T-96SR	22/7	10/3
BB326 (COAST GUARD)	WHIP	WHIP	2.1	136-174	110.0	MOTOROLA ASTRO DIGITAL SPECTRA (VHF) (HIGH POWER)	282/86	71/21
BB326 (COAST GUARD)	WHIP	WHIP	2.1	136-174	50.0	MOTOROLA ASTRO DIGITAL SPECTRA (VHF) (MEDIUM POWER)	190/58	48/14
BB326 (COAST GUARD)	WHIP	WHIP	2.1	136-174	25.0	MOTOROLA ASTRO DIGITAL SPECTRA (VHF) (LOW POWER)	135/41	34/10
BB326 (COAST GUARD)	WHIP	WHIP	2.1	136-174	50.0	MOTOROLA ASTRO DIGITAL XTL 5000 CONSOLETTE (VHF)	190/58	48/14
CELL TOWER SITE COURTHOUSE BAY	RFS APX16DWV-16DWVS-E-A20	PANEL	18.4	1805-1880	25.0	ERICSSON RBS 2106 (GSM 1800)	66/20	17/5
CELL TOWER SITE COURTHOUSE BAY	RFS APX16DWV-16DWVS-E-A20	PANEL	18.4	1930-1990	25.0	ERICSSON RBS 2106 (GSM 1900)	62/19	15/5
CELL TOWER CAMP LEJEUNE RELOCATE (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	1805-1880	25.0	ERICSSON RBS 2106 (GSM 1800)	71/22	18/5
CELL TOWER CAMP LEJEUNE RELOCATE (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	1930-1990	25.0	ERICSSON RBS 2106 (GSM 1900)	66/20	17/5
CELL TOWER CAMP LEJEUNE RELOCATE (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	84/26	21/6
CELL TOWER CAMP LEJEUNE RELOCATE (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	77/23	19/6

JUL 2 0 2017

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER CAMP LEJEUNE RELOCATE (VERIZON)	KATHREIN SCALA 800 10510V01 1710-2200 MHZ)	PANEL	17.8	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	73/22	18/6
CELL TOWER CAMP LEJEUNE RELOCATE (VERIZON)	KATHREIN SCALA 800 10510V01 1710-2200 MHZ)	PANEL	17.8	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	67/20	17/5
CELL TOWER CAMP LEJEUNE SOUTH (VERIZON)	KATHREIN SCALA 800 10510V01 (880-894 MHZ)	PANEL	18.15	880-894	33.0	ERICSSON RBS 2106 (GSM 800)	152/46	38/12
CELL TOWER CAMP LEJEUNE SOUTH (VERIZON)	KATHREIN SCALA 800 10510V01 (880-894 MHZ)	PANEL	18.15	880-894	120.0	ERICSSON RRUS 12 (CDMA (2 PORT))	289/88	72/22
CELL TOWER CAMP LEJEUNE SOUTH (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	1805-1880	25.0	ERICSSON RBS 2106 (GSM 1800)	71/22	18/5
CELL TOWER CAMP LEJEUNE SOUTH (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	1930-1990	25.0	ERICSSON RBS 2106 (GSM 1900)	66/20	17/5
CELL TOWER CAMP LEJEUNE SOUTH (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	84/26	21/6
CELL TOWER CAMP LEJEUNE SOUTH (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	77/23	19/6
CELL TOWER COURTHOUSE BAY	RFS APX16DWV-16DWVS-E-A20	PANEL	18.4	1930-1990	40.0	ERICSSON RBS 3106	78/24	20/6
CELL TOWER COURTHOUSE BAY	RFS APX16DWV-16DWVS-E-A20	PANEL	18.4	2110-2170	60.0	ERICSSON RBS 3106	88/27	22/7
CELL TOWER DOGWOOD STREET (CINGULAR)	AMPHENOL RWA-80017	VERTICALLY POLARIZED PANEL	19.1	880-894	20.0	MOTOROLA 4812T	132/40	33/10
CELL TOWER DOGWOOD STREET (CINGULAR)	DECIBEL DB844G65ZAXY (806-896 MHZ)	PANEL	15.6	880-894	20.0	MOTOROLA 4812T	88/27	22/7
CELL TOWER DOGWOOD STREET (CINGULAR)	AMPHENOL LPD-4019	LOG PERIODIC, 40 DEGREE	21.1	880-894	20.0	MOTOROLA 4812T	166/51	41/13
CELL TOWER DUCK CREEK (VERIZON)	AMPHENOL WBX033T20R000G	PANEL	19.5	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	89/27	22/7
CELL TOWER DUCK CREEK (VERIZON)	AMPHENOL WBX033T20R000G	PANEL	19.5	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	81/25	20/6
CELL TOWER DUCK CREEK (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	84/26	21/6
CELL TOWER DUCK CREEK (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	77/23	19/6
CELL TOWER DUCK CREEK (VERIZON)	COMMSCOPE HBXX-6516DS SERIES	DUALPOL QUAD	18.0	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	75/23	19/6
CELL TOWER DUCK CREEK (VERIZON)	COMMSCOPE HBXX-6516DS SERIES	DUALPOL QUAD	18.0	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	68/21	17/5
CELL TOWER DUCK CREEK (VERIZON)	COMMSCOPE LNX-6515DS SERIES	PANEL	16.7	746-787	120.0	ERICSSON RBS 6201 (700 MHZ 2 PORTS)	289/88	72/22

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER DUCK CREEK (VERIZON)	COMMSCOPE LNX-6515DS SERIES	PANEL	16.7	746-787	40.0	ERICSSON RBS 6201	167/51	42/13
CELL TOWER DUCK CREEK (VERIZON)	JMA WIRELESS X7C-FRO-840-V	PANEL	18.9	746-787	120.0	ERICSSON RBS 6201 (700 MHZ 2 PORTS)	372/113	93/28
CELL TOWER DUCK CREEK (VERIZON)	JMA WIRELESS X7C-FRO-840-V	PANEL	18.9	746-787	40.0	ERICSSON RBS 6201	215/65	54/16
CELL TOWER FRENCH CREEK (VERIZON)	AMPHENOL WBX033T20R000G	PANEL	19.5	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	89/27	22/7
CELL TOWER FRENCH CREEK (VERIZON)	AMPHENOL WBX033T20R000G	PANEL	19.5	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	81/25	20/6
CELL TOWER FRENCH CREEK (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	84/26	21/6
CELL TOWER FRENCH CREEK (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	77/23	19/6
CELL TOWER FRENCH CREEK (VERIZON)	COMMSCOPE HBXX-6516DS SERIES	DUALPOL QUAD	18.0	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	75/23	19/6
CELL TOWER FRENCH CREEK (VERIZON)	COMMSCOPE HBXX-6516DS SERIES	DUALPOL QUAD	18.0	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	68/21	17/5
CELL TOWER FRENCH CREEK (VERIZON)	COMMSCOPE LNX-6515DS SERIES	PANEL	16.7	746-787	120.0	ERICSSON RBS 6201 (700 MHZ 2 PORTS)	289/88	72/22
CELL TOWER FRENCH CREEK (VERIZON)	COMMSCOPE LNX-6515DS SERIES	PANEL	16.7	746-787	40.0	ERICSSON RBS 6201	167/51	42/13
CELL TOWER FRENCH CREEK (VERIZON)	JMA WIRELESS X7C-FRO-840-V	PANEL	18.9	746-787	120.0	ERICSSON RBS 6201 (700 MHZ 2 PORTS)	372/113	93/28
CELL TOWER FRENCH CREEK (VERIZON)	JMA WIRELESS X7C-FRO-840-V	PANEL	18.9	746-787	40.0	ERICSSON RBS 6201	215/65	54/16
CELL TOWER MARINES (VERIZON)	JMA WIRELESS X7C-FRO-840-V	PANEL	18.9	869-894	33.0	ERICSSON RBS 2106 (GSM 800)	167/51	42/13
CELL TOWER MARINES (VERIZON)	AMPHENOL WBX033T20R000G	PANEL	19.5	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	89/27	22/7
CELL TOWER MARINES (VERIZON)	AMPHENOL WBX033T20R000G	PANEL	19.5	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	81/25	20/6
CELL TOWER MARINES (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	84/26	21/6
CELL TOWER MARINES (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	77/23	19/6
CELL TOWER MARINES (VERIZON)	COMMSCOPE HBXX-6516DS SERIES	DUALPOL QUAD	18.0	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	75/23	19/6
CELL TOWER MARINES (VERIZON)	COMMSCOPE HBXX-6516DS SERIES	DUALPOL QUAD	18.0	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	68/21	17/5
CELL TOWER MARINES (VERIZON)	COMMSCOPE LNX-6515DS SERIES	PANEL	16.7	869-894	33.0	ERICSSON RBS 2106 (GSM 800)	130/40	32/10
CELL TOWER OFFICERS CLUB (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	1805-1880	25.0	ERICSSON RBS 2106 (GSM 1800)	71/22	18/5
CELL TOWER OFFICERS CLUB (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	1930-1990	25.0	ERICSSON RBS 2106 (GSM 1900)	66/20	17/5

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER OFFICERS CLUB (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	84/26	21/6
CELL TOWER OFFICERS CLUB (VERIZON)	AMPHENOL WBX045T19R000G	PANEL	19.0	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	77/23	19/6
CELL TOWER OFFICERS CLUB (VERIZON)	KATHREIN SCALA 800 10510V01 (880-894 MHZ)	PANEL	18.15	880-894	33.0	ERICSSON RBS 2106 (GSM 800)	152/46	38/12
CELL TOWER OFFICERS CLUB (VERIZON)	KATHREIN SCALA 800 10510V01 (880-894 MHZ)	PANEL	18.15	880-894	120.0	ERICSSON RRUS 12 (CDMA (2 PORT))	289/88	72/22
CELL TOWER SITE BREWSTER STREET (SITE 214-006)	COMMSCOPE SBNHH-1D65C (2300 MHZ)	TRI BAND	17.5	2350-2360	100.0	ERICSSON RRUS 32 (2300)	92/28	23/7
CELL TOWER SITE BREWSTER STREET (SITE 214-006)	COMMSCOPE SBNHH-1D65C (2100 MHZ)	TRI BAND	17.4	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	70/21	17/5
CELL TOWER SITE BREWSTER STREET (SITE 214-006)	COMMSCOPE SBNHH-1D65C (2100 MHZ)	TRI BAND	17.4	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	64/19	16/5
CELL TOWER SITE BREWSTER STREET (SITE 214-006)	COMMSCOPE SBNHH-1D65C (1900 MHZ)	TRI BAND	17.2	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	68/21	17/5
CELL TOWER SITE BREWSTER STREET (SITE 214-006)	COMMSCOPE SBNHH-1D65A (2300 LTE)	TRI BAND	19.0	2350-2360	100.0	ERICSSON RRUS 32 (2300)	109/33	27/8
CELL TOWER SITE BREWSTER STREET (SITE 214-006)	COMMSCOPE SBNHH-1D65A (2100 LTE)	TRI BAND	17.2	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	68/21	17/5
CELL TOWER SITE BREWSTER STREET (SITE 214-006)	COMMSCOPE SBNHH-1D65A (2100 LTE)	TRI BAND	17.2	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	62/19	16/5
CELL TOWER SITE BREWSTER STREET (SITE 214-006)	COMMSCOPE SBNHH-1D65A (1900 LTE)	TRI BAND	16.7	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	64/20	16/5
CELL TOWER SITE BUILDING 24	ANDREW DB846H80E-SX	DIRECTED DIPOLE ANTENNA	16.1	869-891.48	160.0	MOTOROLA SC4812T-MC (4 CHANNEL)	267/81	67/20
CELL TOWER SITE BUILDING 24	ANDREW DB846H80E-SX	DIRECTED DIPOLE ANTENNA	16.1	869-891.48	40.0	MOTOROLA SC4812T-MC (SINGLE CHANNEL)	133/41	33/10
CELL TOWER SITE BUILDING 24 (SITE 214-020)	COMMSCOPE SBNHH-1D65C (2300 MHZ)	TRI BAND	17.5	2350-2360	100.0	ERICSSON RRUS 32 (2300)	92/28	23/7

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE BUILDING 24 (SITE 214-020)	COMMSCOPE SBNHH-1D65C (2100 MHZ)	TRI BAND	17.4	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	70/21	17/5
CELL TOWER SITE BUILDING 24 (SITE 214-020)	COMMSCOPE SBNHH-1D65C (2100 MHZ)	TRI BAND	17.4	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	64/19	16/5
CELL TOWER SITE BUILDING 24 (SITE 214-020)	COMMSCOPE SBNHH-1D65C (1900 MHZ)	TRI BAND	17.2	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	68/21	17/5
CELL TOWER SITE BUILDING 24 (SITE 214-020)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	1965-1975	160.0	ERICSSON RRUS 32 (PCS LTE (4 PORT))	185/56	46/14
CELL TOWER SITE BUILDING 24 (SITE 214-020)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	1965-1975	120.0	ERICSSON RRUS 32 (PCS LTE (3 PORT))	160/49	40/12
CELL TOWER SITE BUILDING 24 (SITE 214-020)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	1965-1975	80.0	ERICSSON RRUS 32 (PCS LTE (2 PORT))	131/40	33/10
CELL TOWER SITE BUILDING 24 (SITE 214-020)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	1965-1975	40.0	ERICSSON RRUS 32 (PCS LTE (1 PORT))	92/28	23/7
CELL TOWER SITE BUILDING 24 (SITE 214-020)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	2110-2130	160.0	ERICSSON RRUS 32 (AWS LTE (4 PORT))	172/53	43/13
CELL TOWER SITE BUILDING 24 (SITE 214-020)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	2110-2130	120.0	ERICSSON RRUS 32 (AWS LTE (3 PORT))	149/45	37/11
CELL TOWER SITE BUILDING 24 (SITE 214-020)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	2110-2130	80.0	ERICSSON RRUS 32 (AWS LTE (2 PORT))	122/37	30/9
CELL TOWER SITE BUILDING 24 (SITE 214-020)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	2110-2130	40.0	ERICSSON RRUS 32 (AWS LTE (1 PORT))	86/26	22/7
CELL TOWER SITE BUILDING 24 (SITE 214-020)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	2350-2360	100.0	ERICSSON RRUS 32 (2300)	122/37	31/9
CELL TOWER SITE BUILDING 24 (SITE 214-020)	HPA-33R-BUU-H6 (2100 LTE)	HEXPORT MULTI BAND	19.5	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	81/25	20/6
CELL TOWER SITE BUILDING 24 (SITE 214-020)	HPA-33R-BUU-H6 (1900 LTE)	HEXPORT MULTI BAND	19.0	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	84/26	21/6

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE BUILDING 24 (VERIZON WIRELESS OFFICERS CLUB SITE)	AMPHENOL BXA-70063-8CF (806-900 MHZ)	PANEL	18.1	869-894	40.0	MOTOROLA SC4812T-MC (800 MHZ)	168/51	42/13
CELL TOWER SITE BUILDING 24 (VERIZON WIRELESS OFFICERS CLUB SITE)	JAYBEAM WIRELESS PCSA065-J8-X	PANEL	19.5	1930-1990	40.0	MOTOROLA SC4812T-MC (1900 MHZ)	89/27	22/7
CELL TOWER SITE BUILDING 24 (VERIZON WIRELESS OFFICERS CLUB SITE)	AMPHENOL BXA-70063-8CF (696-806 MHZ)	PANEL	17.6	746-757	60.0	ERICSSON RBS 6000 (LTE)	226/69	57/17
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	80.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X40))	146/45	36/11
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	60.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X30))	126/39	32/10
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	40.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X20 OR 1X40))	103/31	26/8
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	20.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X10 OR 1X20))	73/22	18/6
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	80.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X40))	146/45	36/11
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	60.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X30))	126/39	32/10
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	40.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X20 OR 1X40))	103/31	26/8
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	20.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X10 OR 1X20))	73/22	18/6
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1990	80.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X40))	112/34	28/9
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1990	60.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X30))	97/30	24/7

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1990	40.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X20 OR 1X40))	79/24	20/6
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1990	20.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X10 OR 1X20))	56/17	14/4
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1995	80.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X40))	112/34	28/9
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1995	60.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X30))	97/30	24/7
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1995	40.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X20 OR 1X40))	79/24	20/6
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1995	20.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X10 OR 1X20))	56/17	14/4
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2155	80.0	ERICSSON RRUS 11 (B4 (WCDMA/LTE) (2X40))	102/31	26/8
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2155	60.0	ERICSSON RRUS 11 (B4 (WCDMA/LTE) (2X30))	89/27	22/7
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2155	40.0	ERICSSON RRUS 11 (B4 (WCDMA/LTE) (2X20 OR 1X40))	72/22	18/6
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2155	20.0	ERICSSON RRUS 11 (B4 (WCDMA/LTE) (2X10 OR 1X20))	51/16	13/4
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2170	80.0	ERICSSON RRUS 11 (B1 (WCDMA/LTE) (2X40))	102/31	26/8
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2170	60.0	ERICSSON RRUS 11 (B1 (WCDMA/LTE) (2X30))	89/27	22/7
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2170	40.0	ERICSSON RRUS 11 (B1 (WCDMA/LTE) (2X20 OR 1X40))	72/22	18/6
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2170	20.0	ERICSSON RRUS 11 (B1 (WCDMA/LTE) (2X10 OR 1X20))	51/16	13/4

JUL 2 0 2017

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	729-745	80.0	ERICSSON RRUS 11 (B12 (LTE) (2X40))	244/74	61/19
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	729-745	60.0	ERICSSON RRUS 11 (B12 (LTE) (2X30))	211/64	53/16
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	729-745	40.0	ERICSSON RRUS 11 (B12 (LTE) (2X20 OR 1X40))	172/53	43/13
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	729-745	20.0	ERICSSON RRUS 11 (B12 (LTE) (2X10 OR 1X20))	122/37	30/9
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	746-757	80.0	ERICSSON RRUS 11 (B13 (2 PORT))	238/73	60/18
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	746-757	40.0	ERICSSON RRUS 11 (B13 (1 PORT))	169/51	42/13
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	791-821	80.0	ERICSSON RRUS 11 (B20 (LTE) (2X40))	225/69	56/17
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	791-821	60.0	ERICSSON RRUS 11 (B20 (LTE) (2X30))	195/59	49/15
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	791-821	40.0	ERICSSON RRUS 11 (B20 (LTE) (2X20 OR 1X40))	159/48	40/12
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	791-821	20.0	ERICSSON RRUS 11 (B20 (LTE) (2X10 OR 1X20))	112/34	28/9
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	862-869	80.0	ERICSSON RRUS 11 (B26A (CDMA/LTE) (2X40))	206/63	52/16
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	862-869	60.0	ERICSSON RRUS 11 (B26A (CDMA/LTE) (2X30))	179/54	45/14
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	862-869	40.0	ERICSSON RRUS 11 (B26A (CDMA/LTE) (2X20 OR 1X40))	146/44	36/11
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	862-869	20.0	ERICSSON RRUS 11 (B26A (CDMA/LTE) (2X10 OR 1X20))	103/31	26/8

JUL 2 0 2017

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	869-894	80.0	ERICSSON RRUS 11 (B5 (WCDMA/LTE) (2X40))	205/62	51/16
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	869-894	60.0	ERICSSON RRUS 11 (B5 (WCDMA/LTE) (2X30))	177/54	44/13
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	869-894	40.0	ERICSSON RRUS 11 (B5 (WCDMA/LTE) (2X20 OR 1X40))	145/44	36/11
CELL TOWER SITE COURTHOUSE BAY (SITE 214-032)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	869-894	20.0	ERICSSON RRUS 11 (B5 (WCDMA/LTE) (2X10 OR 1X20))	102/31	26/8
CELL TOWER SITE COURTHOUSE BAY (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	80.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X40))	146/45	36/11
CELL TOWER SITE COURTHOUSE BAY (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	60.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X30))	126/39	32/10
CELL TOWER SITE COURTHOUSE BAY (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	40.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X20 OR 1X40))	103/31	26/8
CELL TOWER SITE COURTHOUSE BAY (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	20.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X10 OR 1X20))	73/22	18/6
CELL TOWER SITE COURTHOUSE BAY (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	80.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X40))	146/45	36/11
CELL TOWER SITE COURTHOUSE BAY (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	60.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X30))	126/39	32/10
CELL TOWER SITE COURTHOUSE BAY (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	40.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X20 OR 1X40))	103/31	26/8
CELL TOWER SITE COURTHOUSE BAY (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	20.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X10 OR 1X20))	73/22	18/6
CELL TOWER SITE COURTHOUSE BAY (VERIZON WIRELESS MARINE SITE)	AMPHENOL LPA-80063-8CF	LOG PERIODIC	18.1	869-894	40.0	MOTOROLA SC4812T-MC (800 MHZ)	168/51	42/13

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE COURTHOUSE BAY (VERIZON WIRELESS MARINE SITE)	AMPHENOL BXA-70063-8CF (696-806 MHZ)	PANEL	17.6	746-757	60.0	ERICSSON RBS 6000 (LTE)	226/69	57/17
CELL TOWER SITE DOGWOOD STREET (SITE 214-007)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	1965-1975	160.0	ERICSSON RRUS 32 (PCS LTE (4 PORT))	185/56	46/14
CELL TOWER SITE DOGWOOD STREET (SITE 214-007)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	1965-1975	120.0	ERICSSON RRUS 32 (PCS LTE (3 PORT))	160/49	40/12
CELL TOWER SITE DOGWOOD STREET (SITE 214-007)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	1965-1975	80.0	ERICSSON RRUS 32 (PCS LTE (2 PORT))	131/40	33/10
CELL TOWER SITE DOGWOOD STREET (SITE 214-007)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	1965-1975	40.0	ERICSSON RRUS 32 (PCS LTE (1 PORT))	92/28	23/7
CELL TOWER SITE DOGWOOD STREET (SITE 214-007)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	2110-2130	160.0	ERICSSON RRUS 32 (AWS LTE (4 PORT))	172/53	43/13
CELL TOWER SITE DOGWOOD STREET (SITE 214-007)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	2110-2130	120.0	ERICSSON RRUS 32 (AWS LTE (3 PORT))	149/45	37/11
CELL TOWER SITE DOGWOOD STREET (SITE 214-007)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	2110-2130	80.0	ERICSSON RRUS 32 (AWS LTE (2 PORT))	122/37	30/9
CELL TOWER SITE DOGWOOD STREET (SITE 214-007)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	2110-2130	40.0	ERICSSON RRUS 32 (AWS LTE (1 PORT))	86/26	22/7
CELL TOWER SITE DOGWOOD STREET (SITE 214-007)	HPA-33R-BUU-H6 (2300 LTE)	HEXPORT MULTI BAND	20.0	2350-2360	100.0	ERICSSON RRUS 32 (2300)	122/37	31/9
CELL TOWER SITE DOGWDOD STREET (SITE 214-007)	COMMSCOPE SBNHH-1D65C (1900 MHZ)	TRI BAND	17.2	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	68/21	17/5
CELL TOWER SITE DOGWOOD STREET (SITE 214-007)	COMMSCOPE SBNHH-1D65C (2300 MHZ)	TRI BAND	17.5	2350-2360	100.0	ERICSSON RRUS 32 (2300)	92/28	23/7
CELL TOWER SITE DOGWOOD STREET (VERIZON WIRELESS CAMP LEJEUNE SOUTH SITE)	AMPHENOL BXA-70063-8CF (806-900 MHZ)	PANEL	18.1	869-894	40.0	MOTOROLA SC4812T-MC (800 MHZ)	168/51	42/13
CELL TOWER SITE DOGWOOD STREET (VERIZON WIRELESS CAMP LEJEUNE SOUTH SITE)	AMPHENOL BXA-70080-8CF (806-900 MHZ)	PANEL	17.1	869-894	40.0	MOTOROLA SC4812T-MC (800 MHZ)	150/46	37/11
CELL TOWER SITE DOGWOOD STREET (VERIZON WIRELESS CAMP LEJEUNE SOUTH SITE)	CSS ANTENNA XP18-60	PANEL	17.8	1930-1990	40.0	MOTOROLA SC4812T-MC (1900 MHZ)	73/22	18/6

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE DOGWOOD STREET (VERIZON WIRELESS CAMP LEJUENE SOUTH SITE)	CSS ANTENNA XP16-80	PANEL	16.5	1930-1990	40.0	MOTOROLA SC4812T-MC (1900 MHZ)	63/19	16/5
CELL TOWER SITE DOGWOOD STREET (VERIZON WIRELESS MARINE SITE)	CSS ANTENNA MP19-65	PATCH ELEMENTS	19.0	1930-1990	40.0	MOTOROLA SC4812T-MC (1900 MHZ)	84/26	21/6
CELL TOWER SITE DOOGWOOD STREET (SITE 214-007)	HPA-33R-BUU-H6 (2100 LTE)	HEXPORT MULTI BAND	19.5	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	81/25	20/6
CELL TOWER SITE DOOGWOOD STREET (SITE 214-007)	HPA-33R-BUU-H6 (1900 LTE)	HEXPORT MULTI BAND	19.0	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	84/26	21/6
CELL TOWER SITE DOOGWOOD STREET (SITE 214-007)	COMMSCOPE SBNHH-1D65C (2100 MHZ)	TRI BAND	17.4	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	70/21	17/5
CELL TOWER SITE DOOGWOOD STREET (SITE 214-007)	COMMSCOPE SBNHH-1D65C (2100 MHZ)	TRI BAND	17.4	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	64/19	16/5
CELL TOWER SITE FRENCH CREEK	RFS APX16DWV-16DWVS-E-A20	PANEL	18.4	1930-1990	40.0	ERICSSON RBS 3106	78/24	20/6
CELL TOWER SITE FRENCH CREEK	RFS APX16DWV-16DWVS-E-A20	PANEL	18.4	2110-2170	60.0	ERICSSON RBS 3106	88/27	22/7
CELL TOWER SITE FRENCH CREEK	RFS APX16DWV-16DWVS-E-A20	PANEL	18.4	1805-1880	25.0	ERICSSON RBS 2106 (GSM 1800)	66/20	17/5
CELL TOWER SITE FRENCH CREEK	RFS APX16DWV-16DWVS-E-A20	PANEL	18.4	1930-1990	25.0	ERICSSON RBS 2106 (GSM 1900)	62/19	15/5
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	COMMSCOPE SBNHH-1D65C (2300 MHZ)	TRI BAND	17.5	2350-2360	100.0	ERICSSON RRUS 32 (2300)	92/28	23/7
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	COMMSCOPE SBNHH-1D65C (2100 MHZ)	TRI BAND	17.4	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	70/21	17/5
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	COMMSCOPE SBNHH-1D65C (2100 MHZ)	TRI BAND	17.4	2110-2135	40.0	ERICSSON RRUS 12 (AWS LTE)	64/19	16/5
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	COMMSCOPE SBNHH-1D65C (1900 MHZ)	TRI BAND	17.2	1930-1990	40.0	ERICSSON RRUS 12 (PCS LTE)	68/21	17/5
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	80.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X40))	146/45	36/11
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	60.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X30))	126/39	32/10

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	40.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X20 OR 1X40))	103/31	26/8
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	20.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X10 OR 1X20))	73/22	18/6
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	80.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X40))	146/45	36/11
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	60.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X30))	126/39	32/10
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	40.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X20 OR 1X40))	103/31	26/8
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	20.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X10 OR 1X20))	73/22	18/6
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	729-745	80.0	ERICSSON RRUS 11 (B12 (LTE) (2X40))	202/61	50/15
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	729-745	60.0	ERICSSON RRUS 11 (B12 (LTE) (2X30))	175/53	44/13
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	729-745	40.0	ERICSSON RRUS 11 (B12 (LTE) (2X20 OR 1X40))	143/43	36/11
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	729-745	20.0	ERICSSON RRUS 11 (B12 (LTE) (2X10 OR 1X20))	101/31	25/8
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	746-757	80.0	ERICSSON RRUS 11 (B13 (2 PORT))	197/60	49/15
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	746-757	40.0	ERICSSON RRUS 11 (B13 (1 PORT))	139/42	35/11
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	791-821	80.0	ERICSSON RRUS 11 (B20 (LTE) (2X40))	186/57	46/14
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	791-821	60.0	ERICSSON RRUS 11 (B20 (LTE) (2X30))	161/49	40/12
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	791-821	40.0	ERICSSON RRUS 11 (B20 (LTE) (2X20 OR 1X40))	131/40	33/10
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	791-821	20.0	ERICSSON RRUS 11 (B20 (LTE) (2X10 OR 1X20))	93/28	23/7
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	862-869	80.0	ERICSSON RRUS 11 (B26A (CDMA/LTE) (2X40))	171/52	43/13

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	862-869	60.0	ERICSSON RRUS 11 (B26A (CDMA/LTE) (2X30))	148/45	37/11
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	862-869	40.0	ERICSSON RRUS 11 (B26A (CDMA/LTE) (2X20 OR 1X40))	121/37	30/9
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	862-869	20.0	ERICSSON RRUS 11 (B26A (CDMA/LTE) (2X10 OR 1X20))	85/26	21/6
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	869-894	80.0	ERICSSON RRUS 11 (B5 (WCDMA/LTE) (2X40))	169/52	42/13
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	869-894	60.0	ERICSSON RRUS 11 (B5 (WCDMA/LTE) (2X30))	147/45	37/11
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	869-894	40.0	ERICSSON RRUS 11 (B5 (WCDMA/LTE) (2X20 OR 1X40))	120/36	30/9
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10722 (698-894 MHZ)	PANEL	15.15	869-894	20.0	ERICSSON RRUS 11 (B5 (WCDMA/LTE) (2X10 OR 1X20))	85/26	21/6
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1990	80.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X40))	112/34	28/9
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1990	60.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X30))	97/30	24/7
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1990	40.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X20 OR 1X40))	79/24	20/6
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1990	20.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X10 OR 1X20))	56/17	14/4
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1995	80.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X40))	112/34	28/9
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1995	60.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X30))	97/30	24/7
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1995	40.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X20 OR 1X40))	79/24	20/6
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1995	20.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X10 OR 1X20))	56/17	14/4
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2155	80.0	ERICSSON RRUS 11 (B4 (WCDMA/LTE) (2X40))	102/31	26/8
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2155	60.0	ERICSSON RRUS 11 (B4 (WCDMA/LTE) (2X30))	89/27	22/7

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2155	40.0	ERICSSON RRUS 11 (B4 (WCDMA/LTE) (2X20 OR 1X40))	72/22	18/6
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2155	20.0	ERICSSON RRUS 11 (B4 (WCDMA/LTE) (2X10 OR 1X20))	51/16	13/4
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2170	80.0	ERICSSON RRUS 11 (B1 (WCDMA/LTE) (2X40))	102/31	26/8
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2170	60.0	ERICSSON RRUS 11 (B1 (WCDMA/LTE) (2X30))	89/27	22/7
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2170	40.0	ERICSSON RRUS 11 (B1 (WCDMA/LTE) (2X20 OR 1X40))	72/22	18/6
CELL TOWER SITE FRENCH CREEK (SITE 214-040)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2170	20.0	ERICSSON RRUS 11 (B1 (WCDMA/LTE) (2X10 OR 1X20))	51/16	13/4
CELL TOWER SITE FRENCH CREEK (VERIZON WIRELESS CAMP LEJEUNE SOUTH SITE)	AMPHENOL BXA-70063-8CF (696-806 MHZ)	PANEL	17.6	746-757	60.0	ERICSSON RBS 6000 (LTE)	226/69	57/17
CELL TOWER SITE FRENCH CREEK (VERIZON WIRELESS FRENCH CREEK SITE)	AMPHENOL LPA-80063-8CF	LOG PERIODIC	18.1	869-894	40.0	MOTOROLA SC4812T-MC (800 MHZ)	168/51	42/13
CELL TOWER SITE FRENCH CREEK (VERIZON WIRELESS FRENCH CREEK SITE)	CSS ANTENNA MP19-65	PATCH ELEMENTS	19.0	1930-1990	40.0	MOTOROLA SC4812T-MC (1900 MHZ)	84/26	21/6
CELL TOWER SITE FRENCH CREEK (VERIZON WIRELESS FRENCH CREEK SITE)	AMPHENOL BXA-70063-8CF (696-806 MHZ)	PANEL	17.6	746-757	60.0	ERICSSON RBS 6000 (LTE)	226/69	57/17
CELL TOWER SITE FRENCH CREEK (VERIZON WIRELESS FRENCH CREEK SITE)	AMPHENOL LPA-80080-8CF	LOG PERIODIC	17.1	869-894	40.0	MOTOROLA SC4812T-MC (800 MHZ)	150/46	37/11
CELL TOWER SITE FRENCH CREEK (VERIZON WIRELESS FRENCH CREEK SITE)	CSS ANTENNA MP18-85	DIPOLE	18.1	1930-1990	40.0	MOTOROLA SC4812T-MC (1900 MHZ)	76/23	19/6
CELL TOWER SITE ONLSOW BEACH	RFS APX16DWV-16DWVS-E-A20	PANEL	18.4	1805-1880	25.0	ERICSSON RBS 2106 (GSM 1800)	66/20	17/5

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE ONLSOW BEACH	RFS APX16DWV-16DWVS-E-A20	PANEL	18.4	1930-1990	25.0	ERICSSON RBS 2106 (GSM 1900)	62/19	15/5
CELL TOWER SITE ONLSOW BEACH	RFS APX16DWV-16DWVS-E-A20	PANEL	18.4	1930-1990	40.0	ERICSSON RBS 3106	78/24	20/6
CELL TOWER SITE ONLSOW BEACH	RFS APX16DWV-16DWVS-E-A20	PANEL	18.4	2110-2170	60.0	ERICSSON RBS 3106	88/27	22/7
CELL TOWER SITE ONLSOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	80.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X40))	146/45	36/11
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	60.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X30))	126/39	32/10
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	40.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X20 OR 1X40))	103/31	26/8
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	20.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X10 OR 1X20))	73/22	18/6
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	80.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X40))	146/45	36/11
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	60.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X30))	126/39	32/10
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	40.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X20 OR 1X40))	103/31	26/8
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	20.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X10 OR 1X20))	73/22	18/6
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	729-745	80.0	ERICSSON RRUS 11 (B12 (LTE) (2X40))	244/74	61/19
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	729-745	60.0	ERICSSON RRUS 11 (B12 (LTE) (2X30))	211/64	53/16
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	729-745	40.0	ERICSSON RRUS 11 (B12 (LTE) (2X20 OR 1X40))	172/53	43/13
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	729-745	20.0	ERICSSON RRUS 11 (B12 (LTE) (2X10 OR 1X20))	122/37	30/9
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	746-757	80.0	ERICSSON RRUS 11 (B13 (2 PORT))	238/73	60/18
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	746-757	40.0	ERICSSON RRUS 11 (B13 (1 PORT))	169/51	42/13
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	791-821	80.0	ERICSSON RRUS 11 (B20 (LTE) (2X40))	225/69	56/17

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	791-821	60.0	ERICSSON RRUS 11 (B20 (LTE) (2X30))	195/59	49/15
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	791-821	40.0	ERICSSON RRUS 11 (B20 (LTE) (2X20 OR 1X40))	159/48	40/12
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	791-821	20.0	ERICSSON RRUS 11 (B20 (LTE) (2X10 OR 1X20))	112/34	28/9
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	862-869	80.0	ERICSSON RRUS 11 (B26A (CDMA/LTE) (2X40))	206/63	52/16
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	862-869	60.0	ERICSSON RRUS 11 (B26A (CDMA/LTE) (2X30))	179/54	45/14
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	862-869	40.0	ERICSSON RRUS 11 (B26A (CDMA/LTE) (2X20 OR 1X40))	146/44	36/11
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	862-869	20.0	ERICSSON RRUS 11 (B26A (CDMA/LTE) (2X10 OR 1X20))	103/31	26/8
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	869-894	80.0	ERICSSON RRUS 11 (B5 (WCDMA/LTE) (2X40))	205/62	51/16
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	869-894	60.0	ERICSSON RRUS 11 (B5 (WCDMA/LTE) (2X30))	177/54	44/13
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	869-894	40.0	ERICSSON RRUS 11 (B5 (WCDMA/LTE) (2X20 OR 1X40))	145/44	36/11
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (698-894 MHZ)	PANEL	16.8	869-894	20.0	ERICSSON RRUS 11 (B5 (WCDMA/LTE) (2X10 OR 1X20))	102/31	26/8
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	80.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X40))	146/45	36/11
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	60.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X30))	126/39	32/10
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	40.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X20 OR 1X40))	103/31	26/8
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	20.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X10 OR 1X20))	73/22	18/6
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	80.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X40))	146/45	36/11
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	60.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X30))	126/39	32/10

JUL 2 0 2017

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	40.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X20 OR 1X40))	103/31	26/8
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	20.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X10 OR 1X20))	73/22	18/6
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1990	80.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X40))	112/34	28/9
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1990	60.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X30))	97/30	24/7
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1990	40.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X20 OR 1X40))	79/24	20/6
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1990	20.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X10 OR 1X20))	56/17	14/4
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1995	80.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X40))	112/34	28/9
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1995	60.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X30))	97/30	24/7
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1995	40.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X20 OR 1X40))	79/24	20/6
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	1930-1995	20.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X10 OR 1X20))	56/17	14/4
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2155	80.0	ERICSSON RRUS 11 (B4 (WCDMA/LTE) (2X40))	102/31	26/8
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2155	60.0	ERICSSON RRUS 11 (B4 (WCDMA/LTE) (2X30))	89/27	22/7
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2155	40.0	ERICSSON RRUS 11 (B4 (WCDMA/LTE) (2X20 OR 1X40))	72/22	18/6
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2155	20.0	ERICSSON RRUS 11 (B4 (WCDMA/LTE) (2X10 OR 1X20))	51/16	13/4
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2170	80.0	ERICSSON RRUS 11 (B1 (WCDMA/LTE) (2X40))	102/31	26/8
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2170	60.0	ERICSSON RRUS 11 (B1 (WCDMA/LTE) (2X30))	89/27	22/7
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2170	40.0	ERICSSON RRUS 11 (B1 (WCDMA/LTE) (2X20 OR 1X40))	72/22	18/6

JUL 2 0 2017

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE ONSLOW BEACH (SITE 214-021)	KATHREIN SCALA 800 10766V01 (1710-2170 MHZ)	PANEL	18.5	2110-2170	20.0	ERICSSON RRUS 11 (B1 (WCDMA/LTE) (2X10 OR 1X20))	51/16	13/4
CELL TOWER SITE ONSLOW BEACH (VERIZON WIRELESS DUCK CREEK SITE)	CSS ANTENNA MP18-85	DIPOLE	18.1	1930-1990	40.0	MOTOROLA SC4812T-MC (1900 MHZ)	76/23	19/6
CELL TOWER SITE ONSLOW BEACH (VERIZON WIRELESS DUCK CREEK SITE)	AMPHENOL LPA-80080-8CF	LOG PERIODIC	17.1	869-894	40.0	MOTOROLA SC4812T-MC (800 MHZ)	150/46	37/11
CELL TOWER SITE ONSLOW BEACH (VERIZON WIRELESS DUCK CREEK SITE)	CSS ANTENNA MP19-65	PATCH ELEMENTS	19.0	1930-1990	40.0	MOTOROLA SC4812T-MC (1900 MHZ)	84/26	21/6
CELL TOWER SITE ONSLOW BEACH (VERIZON WIRELESS DUCK CREEK SITE)	AMPHENOL LPA-80063-8CF	LOG PERIODIC	18.1	869-894	40.0	MOTOROLA SC4812T-MC (800 MHZ)	168/51	42/13
CELL TOWER SITE ONSLOW BEACH (VERIZON WIRELESS DUCK CREEK SITE)	AMPHENOL BXA-70063-8CF (696-806 MHZ)	PANEL	17.6	746-757	60.0	ERICSSON RBS 6000 (LTE)	226/69	57/17
CELL TOWER SITE SOURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	80.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X40))	146/45	36/11
CELL TOWER SITE SOURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	60.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X30))	126/39	32/10
CELL TOWER SITE SOURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	40.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X20 OR 1X40))	103/31	26/8
CELL TOWER SITE SOURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	20.0	ERICSSON RRUS 11 (B2 (WCDMA/LTE) (2X10 OR 1X20))	73/22	18/6
CELL TOWER SITE SOURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	80.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X40))	146/45	36/11
CELL TOWER SITE SOURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	60.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X30))	126/39	32/10

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
CELL TOWER SITE SOURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	40.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X20 OR 1X40))	103/31	26/8
CELL TOWER SITE SDURTHOUSE BAY (SITE 214-032)	CELLMAX CMA-B/6521/E0-6 (1850-1990 MHZ)	PANEL	20.8	1930-1990	20.0	ERICSSON RRUS 11 (B25 (CDMA/LTE) (2X10 OR 1X20))	73/22	18/6
CELL TOWER STREET DOGWOOD STREET (VERIZON WIRELESS CAMP LEJEUNE SOUTH SITE)	AMPHENOL BXA-70080-8CF (696-806 MHZ)	PANEL	16.6	746-757	60.0	ERICSSON RBS 6000 (LTE)	202/61	50/15
CR120 (TRIANGLE GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
CR120 (TRIANGLE GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
CR120 (TRIANGLE GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
CT120 (GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
CT120 (GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
CT120 (GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
FC294 (FRENCH CREEK FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
FC294 (FRENCH CREEK FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
FC294 (FRENCH CREEK FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
FC436	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
FC436	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
FC436	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
G575	DIPOLE	DIPOLE	2.1	132-174	5.0	DATARADIO T-96SR	62/19	15/5
G575	DIPOLE	DIPOLE	2.1	380-512	5.0	DATARADIO T-96SR	22/7	10/3
M160 (GUARD STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
M160 (GUARD STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
M160 (GUARD STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
M285 (CAMP JOHNSON)	JDTECK SA-721-NF12-650 (700 MHZ)	SECTOR DIRECTIONAL ANTENNA	11.0	698-787	0.25	JDTECK JDIR-LCPA-DR27 (700 MHZ)	10/3	10/3
M285 (CAMP JOHNSON)	JDTECK SA-721-NF12-650 (700 MHZ)	SECTOR DIRECTIONAL ANTENNA	11.0	824-894	0.25	JDTECK JDIR-LCPA-DR27 (800 MHZ)	10/3	10/3
M285 (CAMP JOHNSON)	JDTECK SA-721-NF12-650 (1700 MHZ)	SECTOR DIRECTIONAL ANTENNA	12.0	1710-2155	0.5	JDTECK JDIR-LCPA-DR27 (1700/2100 MHZ)	10/3	10/3
M285 (CAMP JOHNSON)	JDTECK SA-721-NF12-650 (1700 MHZ)	SECTOR DIRECTIONAL ANTENNA	12.0	1850-1995	0.5	JDTECK JDIR-LCPA-DR27 (1900 MHZ)	10/3	10/3

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
M350	DIPOLE	DIPOLE	2.1	132-174	5.0	DATARADIO T-96SR	62/19	15/5
M350	DIPOLE	DIPOLE	2.1	380-512	5.0	DATARADIO T-96SR	22/7	10/3
NH100 (HOSPITAL)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
NH100 (HOSPITAL)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
NH100 (HOSPITAL)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
NH153 (HOSPITAL SECURITY WAREHOUSE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
NH153 (HOSPITAL SECURITY WAREHOUSE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
NH153 (HOSPITAL SECURITY WAREHOUSE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
PERIMETER SURVEILLANCE RADAR (HOSPITAL POINT)	FLIR RANGER R5D	PARABOLIC	35.5	34750-35500	0.66	FLIR RANGER R5D	10/3	10/3
PERIMETER SURVEILLANCE RADAR (MARSOC)	FLIR RANGER R5D	PARABOLIC	35.5	34750-35500	0.66	FLIR RANGER R5D	10/3	10/3
PERIMETER SURVEILLANCE RADAR (RIFILE RANGE)	FLIR RANGER R5D	PARABOLIC	35.5	34750-35500	0.66	FLIR RANGER R5D	10/3	10/3
RR11 (RIFLE RANGE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
RR11 (RIFLE RANGE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
RR11 (RIFLE RANGE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
RR150A	DIPOLE	DIPOLE	2.1	132-174	5.0	DATARADIO T-96SR	62/19	15/5
RR150A	DIPOLE	DIPOLE	2.1	380-512	5.0	DATARADIO T-96SR	22/7	10/3
RR155	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
RR155	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
RR155	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
RR160 (STONE BAY GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
RR160 (STONE BAY GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
RR160 (STONE BAY GATE)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
RR400 (HARSOC)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
RR400 (MARSOC)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
RR400 (MARSOC)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
SBA 138	DIPOLE	DIPOLE	2.1	132-174	5.0	DATARADIO T-96SR	62/19	15/5
SBA 138	DIPOLE	DIPOLE	2.1	380-512	5.0	DATARADIO T-96SR	22/7	10/3
SR40	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
SR40	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
SR40	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
SR45A (E-LMR SITE 4)	DBSPECTRA DS3B03F36U-N	DIPOLE	5.15	380-390	100.0	HARRIS MASTR V (UHF)	137/42	34/10

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
SR46	UVU-200	DUAL-BAND BASE STATION ANTENNA	2.5	115-174	50.0	AN/URC-200(V)2 (WITH UPA-50)	236/72	59/18
SR46	UVU-200	DUAL-BAND BASE STATION ANTENNA	2.5	115-174	10.0	AN/URC-200(V)2 (FM)	105/32	26/8
SR46	UVU-200	DUAL-BAND BASE STATION ANTENNA	2.5	225-400	50.0	AN/URC-200(V)2 (WITH UPA-50)	120/37	30/9
SR46	UVU-200	DUAL-BAND BASE STATION ANTENNA	2.5	225-400	10.0	AN/URC-200(V)2 (FM)	54/16	13/4
SR46	LOWBAND RINGO BR-3	WHIP	4.1	32-42	50.0	AN/URC-200(V)2 (WITH AM-1077MOT)	408/124	102/31
SR46	TACO D2118	MULDIPOL MULTIPLE DIPOLE COLLINEAR ARRAY	1.0	116-174	50.0	AN/URC-200(V)2 (WITH UPA-50)	197/60	49/15
SR46	TACO D2118	MULDIPOL MULTIPLE DIPOLE COLLINEAR ARRAY	1.0	116-174	10.0	AN/URC-200(V)2 (FM)	88/27	22/7
SR46	TACO D2118	MULDIPOL MULTIPLE DIPOLE COLLINEAR ARRAY	1.0	225-400	50.0	AN/URC-200(V)2 (WITH UPA-50)	101/31	25/8
SR46	TACO D2118	MULDIPOL MULTIPLE DIPOLE COLLINEAR ARRAY	1.0	225-400	10.0	AN/URC-200(V)2 (FM)	45/14	11/3
SR46	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
SR46	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
SR46	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
SR61	DIPOLE	DIPOLE	2.1	132-174	5.0	DATARADIO T-96SR	62/19	15/5
SR61	DIPOLE	DIPOLE	2.1	380-512	5.0	DATARADIO T-96SR	22/7	10/3
ST81	KELVIN HUGHES 2.5-METER S-BAND	SLOTTED ARRAY	30.1	2900-3100	26.0	KELVIN HUGHES SHARPEYE (S BAND)	162/49	40/12
ST83 (E-LMR SITE 2)	DBSPECTRA DS3B03F36U-N	DIPOLE	5.15	380-390	100.0	HARRIS MASTR V (UHF)	137/42	34/10
TC701 (FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
TC701 (FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
TC701 (FIRE STATION)	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
TLZ ROBIN (E-LMR SITE 3)	DBSPECTRA DS3B03F36U-N	DIPOLE	5.15	380-390	100.0	HARRIS MASTR V (UHF)	137/42	34/10
TLZ ROBIN (E-LMR SITE 3)	DBSPECTRA DS3B03F36U-N	DIPOLE	5.15	380-390	100.0	HARRIS MASTER III (UHF)	137/42	34/10
VARIOUS	ICX TECHNOLOGIES STS-12000	PARABOLIC	37.4	16200-16600	0.5	ICX TECHNOLOGIES STS-12000 LONG-RANGE PERIMETER SURVEILLANCE RADAR	10/3	10/3
VARIOUS	JAYBEAM WIRELESS PCSA065-19-X	PANEL	19.5	1850-1990	18.0	NORTEL MFRM-3	62/19	16/5
VARIOUS	ICX TECHNOLOGIES STS 4400 PERIMETER SURVEILLANCE RADAR	INTEGRAL RADAR ANTENNA	37.0	16580-17020	0.5	ICX TECHNOLOGIES STS-4400 PERIMETER SURVEILLANCE RADAR	10/3	10/3
VARIOUS	TELOS POINT TO POINT	DIRCETIONAL	26.0	2400-2483	0.4	FORTRESS ES520	15/5	10/3
VARIOUS	TELOS POINT TO POINT	DIRCETIONAL	26.0	5725-5850	0.4	FORTRESS ES520	10/3	10/3

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
VARIOUS	ICX TECHNOLOGIES STS 1400 PERIMETER SURVEILLANCE RADAR	INTEGRAL RADAR ANTENNA	34.1	34600-35300	0.25	ICX TECHNOLOGIES STS 1400 PERIMETER SURVEILLANCE RADAR	10/3	10/3
VARIOUS (FIRE ALARM)	DIPOLE	DIPOLE	2.1	148-174	2.0	SEABOARD M-1A (4, 3, 8 AND 16 ZONES)	35/11	10/3
VARIOUS (FIRE ALARM)	DIPOLE	DIPOLE	2.1	450-470	2.0	SEABOARD M-1A	11/4	10/3
VARIOUS (FIRE ALARM)	DIPOLE	DIPOLE	2.1	138-174	1.0	KING FISHER KF1 (GOVERNMENT USE ONLY)	27/8	10/3
VARIOUS (WELL PUMPS)	YAGI	YAGI	10.0	136-174	45.0	MOTOROLA RADIUS GM300	448/137	112/34
VARIOUS (WELL PUMPS)	YAGI	YAGI	10.0	136-174	25.0	MOTOROLA RADIUS GM300	334/102	83/25
VARIOUS (WELL PUMPS)	YAGI	YAGI	10.0	403-520	40.0	MOTOROLA RADIUS GM300	143/43	36/11
VARIOUS (WELL PUMPS)	YAGI	YAGI	10.0	403-520	25.0	MOTOROLA RADIUS GM300	113/34	28/9
MOBILE	WHIP	WHIP	2.1	116-150	10.0	AN/PRC-113(V) (LOW)	100/30	25/8
MOBILE	WHIP	WHIP	2.1	225-400	10.0	AN/PRC-113(V) (HIGH)	51/16	13/4
MOBILE	AS-3036/TSC	PARABOLIC	45.3	7900-8400	500.0	AN/TSC-93A/B (DIGITAL VOICE)	1497/456	374/114
MOBILE	WHIP	WHIP	2.1	225-400	3.0	AN/PRC-41	28/9	10/3
MOBILE	WHIP	WHIP	2.1	225-400	50.0	AN/GRC-171(V)1 (FM)	115/35	29/9
MOBILE	WHIP	WHIP	2.1	225-400	20.0	AN/GRC-171(V)1 (AM)	73/22	18/6
MOBILE	MOTOROLA - PTP 600 SERIES BRIDGE	INTEGRATED FLAT PLATE	23.5	5470-5725	0.316	MOTOROLA PTP 54600 BP5530BHC-2AA	10/3	10/3
MOBILE	WHIP	WHIP	2.1	30-90	50.0	AN/VRC-110 [AN/PRC-152(C)] (PEP)	324/99	81/25
MOBILE	WHIP	WHIP	2.1	30-90	20.0	AN/VRC-110 [AN/PRC-152(C)] (20-WATT MODE)	205/63	51/16
MOBILE	WHIP	WHIP	2.1	30-90	5.0	AN/VRC-110 [AN/PRC-152(C)] (5-WATT MODE)	103/31	26/8
MOBILE	WHIP	WHIP	2.1	90-512	20.0	AN/VRC-110 [AN/PRC-152(C)] (LOS)	182/55	45/14
MOBILE	WHIP	WHIP	2.1	225-400	50.0	AN/VRC-110 [AN/PRC-152(C)] (SATCOM BAND HIGH)	115/35	29/9
MOBILE	WHIP	WHIP	2.1	225-400	20.0	AN/VRC-110 [AN/PRC-152(C)] (SATCOM BAND LOW)	73/22	18/6
MOBILE	PARABOLIC		22.3	14400-15250	0.316	AN/GRC-239	10/3	10/3
MOBILE	DPV-49N	DIPOLE	6.0	1200-2000	100.0	AN/VRC-99	48/15	12/4
MOBILE	DPV-49N	DIPOLE	6.0	1200-2000	10.0	AN/VRC-99	15/5	10/3
MOBILE	WHIP	WHIP	2.1	116-150	10.0	AN/VRC-83(V)2 (VHF)	100/30	25/8
MOBILE	WHIP	WHIP	2.1	225-400	10.0	AN/VRC-83(V)2 (UHF)	51/16	13/4
MOBILE	WHIP	WHIP	2.1	2-60	400.0	AN/VRC-104(V)3 [AN/PRC-150(C)] (RF-5833H-PA 400 WATTS)	917/280	229/70
MOBILE	WHIP	WHIP	2.1	2-60	150.0	AN/VRC-104(V)3 [AN/PRC-150(C)] (150-WATT AMPLIFIER)	561/171	140/43

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	WHIP	WHIP	2.1	2-60	20.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (W/O AMPLIFER)	205/63	51/16
MOBILE	WHIP	WHIP	2.1	2-60	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	917/280	229/70
MOBILE	WHIP	WHIP	2.1	2-60	150.0	AN/PRC-150(C) (WITH RF-5033PA)	561/171	140/43
MOBILE	WHIP	WHIP	2.1	2-60	125.0	AN/PRC-150(C) (WITH RF-5832H-PA101)	513/156	128/39
MOBILE	WHIP	WHIP	2.1	2-60	50.0	AN/PRC-150(C) (50 WATT AMPLIFIER)	324/99	81/25
MOBILE	WHIP	WHIP	2.1	2-60	20.0	AN/PRC-150(C)	205/63	51/16
MOBILE	WHIP	WHIP	2.1	2-60	5.0	AN/PRC-150(C)	103/31	26/8
MOBILE	WHIP	WHIP	2.1	2-60	1.0	AN/PRC-150(C)	46/14	11/3
MOBILE	WHIP	WHIP	2.1	30-90	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	397/121	99/30
MOBILE	WHIP	WHIP	2.1	30-90	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	397/121	99/30
MOBILE	WHIP	WHIP	2.1	30-90	40.0	AN/PRC-117F(C) (W/RAMP-25 AMP)	290/88	72/22
MOBILE	WHIP	WHIP	2.1	30-90	10.0	AN/PRC-117F(C) (FM LOS)	145/44	36/11
MOBILE	WHIP	WHIP	2.1	90-400	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	352/107	88/27
MOBILE	WHIP	WHIP	2.1	90-400	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	352/107	88/27
MOBILE	WHIP	WHIP	2.1	90-400	40.0	AN/PRC-117F(C) (W/RAMP-25 AMP)	257/78	64/20
MOBILE	WHIP	WHIP	2.1	90-400	20.0	AN/PRC-117F(C) (FM LOS)	182/55	45/14
MOBILE	WHIP	WHIP	2.1	90-400	10.0	AN/PRC-117F(C) (AM LOS)	129/39	32/10
MOBILE	WHIP	WHIP	2.1	118-174	75.0	AN/PRC-117F(C)	269/82	67/20
MOBILE	WHIP	WHIP	2.1	292-318	20.0	AN/PRC-117F(C) (UHF SATCOM)	56/17	14/4
MOBILE	WHIP	WHIP	2.1	400-460	75.0	AN/PRC-117F(C)	79/24	20/6
MOBILE	WHIP	WHIP	2.1	400-512	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	79/24	20/6
MOBILE	WHIP	WHIP	2.1	400-512	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	79/24	20/6
MOBILE	WHIP	WHIP	2.1	400-512	40.0	AN/PRC-117F(C) (W/RAMP-25 AMP)	58/18	14/4
MOBILE	WHIP	WHIP	2.1	400-512	10.0	AN/PRC-117F(C) (FM LOS)	29/9	10/3
MOBILE	WHIP	WHIP	2.1	400-512	4.0	AN/PRC-117F(C) (AM LOS)	18/6	10/3
MOBILE	DRIVECAM DC3C	STUB	3.0	824-849	0.316	DRIVECAM DC3C (CELLULAR)	10/3	10/3
MOBILE	DRIVECAM DC3C	STUB	3.0	1850-1910	0.316	DRIVECAM DC3C (PCS)	10/3	10/3
MOBILE	AS-3900A/VRC	WHIP	1.0	30-88	50.0	AN/VRC-89A	286/87	71/22
MOBILE	AS-3900A/VRC	WHIP	1.0	30-88	50.0	AN/VRC-94F	286/87	71/22
MOBILE	AS-3900A/VRC	WHIP	1.0	30-88	50.0	AN/VRC-92A (AM-7238 (AMP))	286/87	71/22
MOBILE	AS-3900A/VRC	WHIP	1.0	30-88	50.0	AN/VRC-90A	286/87	71/22
MOBILE	WHIP	WHIP	2.1	138-150	35.0	AN/VRC-82(V)2	157/48	39/12
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	50.0	AN/VRC-114 (AN/PRC-117G) (RF-300M-V150)	255/78	64/19
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	50.0	AN/VRC-110 (AN/PRC-152(C)) (PEP)	255/78	64/19
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	20.0	AN/VRC-110 (AN/PRC-152(C)) (20-WATT MODE)	161/49	40/12

JUL 2 0 2017

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	5.0	AN/VRC-110 (AN/PRC-152(C)) (5-WATT MODE)	80/25	20/6
MOBILE	AS-3683	WHIP	1.5	30-88	50.0	AN/PRC-119 (WITH AMP)	303/92	76/23
MOBILE	AS-3683	WHIP	1.5	30-88	4.5	AN/PRC-119	91/28	23/7
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-60	400.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (RF-5834H-PA 400 WATTS)	720/220	180/55
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-60	150.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (150-WATT AMPLIFIER)	441/134	110/34
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-60	20.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (W/O AMPLIFER)	161/49	40/12
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	50.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (50-WATT AMPLIFER)	255/78	64/19
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	10.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (FM LOS)	114/35	28/9
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	50.0	AN/PRC-152(C) (RF-300M-TV)	255/78	64/19
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	5.0	AN/PRC-152(C) (AM, FM, PSK, CPM)	80/25	20/6
MOBILE	COBHAM COM2019	OMNIDIRECTIONAL	0.0	30-88	0.25	AN/PRC-152(C) (AM, FM, PSK, CPM)	18/5	10/3
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-60	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	720/220	180/55
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-60	150.0	AN/PRC-150(C) (WITH RF-5033PA)	441/134	110/34
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-60	125.0	AN/PRC-150(C) (WITH RF-5832H-PA101)	402/123	101/31
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-60	50.0	AN/PRC-150(C) (50 WATT AMPLIFIER)	255/78	64/19
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-60	20.0	AN/PRC-150(C)	161/49	40/12
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-60	5.0	AN/PRC-150(C)	80/25	20/6
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-60	1.0	AN/PRC-150(C)	36/11	10/3
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	50.0	AN/PRC-117G(V)1(C) (RF-7800M-V150 OR V250)	255/78	64/19
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	50.0	AN/PRC-117G(V)1(C) (RF-300M-V150 OR V250)	255/78	64/19
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	50.0	AN/PRC-117G(V)1(C) (RF-7800M-AD250 (NARRDWBAND))	255/78	64/19
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	50.0	AN/PRC-117G(V)1(C) (ELSIT TC-150M)	255/78	64/19
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	10.0	AN/PRC-117G(V)1(C) (VHF/UHF (NARROWBAND))	114/35	28/9
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	75.0	AN/PRC-117F(C) (W/MIX-21-75 AMP)	312/95	78/24
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	312/95	78/24

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	40.0	AN/PRC-117F(C) (W/RAMP-25 AMP)	228/69	57/17
MOBILE	COBHAM COM201B	OMNIDIRECTIONAL	0.0	30-88	10.0	AN/PRC-117F(C) (FM LOS)	114/35	28/9
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	50.0	AN/VRC-114 [AN/PRC-117G] (RF-300M-V150)	300/92	75/23
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	20.0	AN/VRC-110 [AN/PRC-152(C)] (LOS)	190/58	47/14
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	50.0	AN/VRC-110 (AN/PRC-152(C)) (SATCOM BAND HIGH)	300/92	75/23
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	20.0	AN/VRC-110 (AN/PRC-152(C)) (SATCOM BAND LOW)	190/58	47/14
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-399	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER)	300/92	75/23
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-399	20.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (FM LOS)	190/58	47/14
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-399	10.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (AM LOS)	134/41	34/10
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	292-318	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (SATCOM)	247/75	62/19
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	400	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER)	180/55	45/14
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	400	10.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (FM LOS)	81/25	20/6
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	400	4.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (AM LOS)	51/16	13/4
MOBILE	AS-2259/GR	NVIS	6.0	2-30	400.0	AN/MRC-138A (HIGH POWER)	1437/438	359/109
MOBILE	AS-2259/GR	NVIS	6.0	2-30	100.0	AN/MRC-138A (LOW POWER)	718/219	180/55
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	5.0	AN/PRC-152(C) (AM, FM, PSK, CPM)	95/29	24/7
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	0.25	AN/PRC-152(C) (AM, FM, PSK, CPM)	21/6	10/3
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	20.0	AN/PRC-152(C) (RF-300M-TV)	190/58	47/14
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	292-318	50.0	AN/PRC-152(C) (RF-300M-TV SATCOM)	247/75	62/19
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	292-318	10.0	AN/PRC-152(C) (SATCOM)	110/34	28/8
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	50.0	AN/PRC-117G(V)1(C) (RF-7800M-V150 OR V250)	300/92	75/23
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	50.0	AN/PRC-117G(V)1(C) (RF-300M-V150 OR V250)	300/92	75/23
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	50.0	AN/PRC-117G(V)1(C) (RF-7800M-AD250 (NARROWBAND))	300/92	75/23

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	50.0	AN/PRC-117G(V)1(C) (ELBIT TC-150M)	300/92	75/23
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	10.0	AN/PRC-117G(V)1(C) (VHF/UHF (NARROWBAND))	134/41	34/10
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	20.0	AN/PRC-117G(V)1(C) (RF-7800M-AD250 (WIDEBAND))	190/58	47/14
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	5.0	AN/PRC-117G(V)1(C) (UHF (WIDEBAND))	95/29	24/7
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	292-318	150.0	AN/PRC-117G(V)1(C) (ELBIT TC-150M (SATCOM SPECIAL))	428/130	107/33
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	292-318	100.0	AN/PRC-117G(V)1(C) (ELBIT TC-150M (SATCOM))	349/106	87/27
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	292-318	50.0	AN/PRC-117G(V)1(C) (RF-300M-V150 OR V250)	247/75	62/19
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	292-318	50.0	AN/PRC-117G(V)1(C) (RF-7800M-V150 OR V250)	247/75	62/19
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	292-318	50.0	AN/PRC-117G(V)1(C) (RF-7800M-AD250 (SATCOM))	247/75	62/19
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	292-318	20.0	AN/PRC-117G(V)1(C) (SATCOM)	156/48	39/12
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	368/112	92/28
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	368/112	92/28
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	40.0	AN/PRC-117F(C) (W/RAMP-25 AMP)	269/82	67/20
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	20.0	AN/PRC-117F(C) (FM LOS)	190/58	47/14
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	240-400	10.0	AN/PRC-117F(C) (AM LOS)	134/41	34/10
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	292-318	20.0	AN/PRC-117F(C) (UHF SATCOM)	156/48	39/12
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	400	75.0	AN/PRC-117F(C)	221/67	55/17
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	400	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	221/67	55/17
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	400	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	221/67	55/17
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	400	40.0	AN/PRC-117F(C) (W/RAMP-25 AMP)	161/49	40/12
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	400	10.0	AN/PRC-117F(C) (FM LOS)	81/25	20/6
MOBILE	HARRIS RF-3080-AT001	HELICAL	11.0	400	4.0	AN/PRC-117F(C) (AM LOS)	51/16	13/4
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	50.0	AN/VRC-114 [AN/PRC-117G] (RF-300M-V150)	300/92	75/23
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	20.0	AN/VRC-110 [AN/PRC-152(C)] (LOS)	190/58	47/14

JUL 2 0 2017

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	50.0	AN/VRC-110 [AN/PRC-152(C)] (SATCOM BAND HIGH)	300/92	75/23
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	20.0	AN/VRC-110 [AN/PRC-152(C)] (SATCOM BAND LOW)	190/58	47/14
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER)	300/92	75/23
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	20.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (FM LOS)	190/58	47/14
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	10.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (AM LOS)	134/41	34/10
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	292-318	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (SATCOM)	247/75	62/19
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	5.0	AN/PRC-152(C) (AM, FM, PSK, CPM)	95/29	24/7
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	0.25	AN/PRC-152(C) (AM, FM, PSK, CPM)	21/6	10/3
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	20.0	AN/PRC-152(C) (RF-300M-TV)	190/58	47/14
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	292-318	50.0	AN/PRC-152(C) (RF-300M-TV SATCOM)	247/75	62/19
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	292-318	10.0	AN/PRC-152(C) (SATCOM)	110/34	28/8
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	50.0	AN/PRC-117G(V)1(C) (RF-7800M-V150 OR V250)	300/92	75/23
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	50.0	AN/PRC-117G(V)1(C) (RF-300M-V150 OR V250)	300/92	75/23
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	50.0	AN/PRC-117G(V)1(C) (RF-7800M-AD250 (NARROWBAND))	300/92	75/23
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	50.0	AN/PRC-117G(V)1(C) (ELBIT TC-150M)	300/92	75/23
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	10.0	AN/PRC-117G(V)1(C) (VHF/UHF (NARROWBAND))	134/41	34/10
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	20.0	AN/PRC-117G(V)1(C) (RF-7800M-AD250 (WIDEBAND))	190/58	47/14
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	5.0	AN/PRC-117G(V)1(C) (UHF (WIDEBAND))	95/29	24/7
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	292-318	150.0	AN/PRC-117G(V)1(C) (ELBIT TC-150M (SATCOM SPECIAL))	428/130	107/33
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	292-318	100.0	AN/PRC-117G(V)1(C) (ELBIT TC-150M (SATCOM))	349/106	87/27

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Freequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	292-318	50.0	AN/PRC-117G(V)1(C) (RF-300M-V150 OR V250)	247/75	62/19
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	292-318	50.0	AN/PRC-117G(V)1(C) (RF-7800M-V150 OR V250)	247/75	62/19
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	292-318	50.0	AN/PRC-117G(V)1(C) (RF-7800M-AD250 (SATCOM))	247/75	62/19
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	292-318	20.0	AN/PRC-117G(V)1(C) (SATCOM)	156/48	39/12
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	75.0	AN/PRC-117F(C) (W/MIX-21-75 AMP)	368/112	92/28
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	368/112	92/28
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	40.0	AN/PRC-117F(C) (W/RAMP-25 AMP)	269/82	67/20
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	20.0	AN/PRC-117F(C) (FM LOS)	190 58	47/14
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	240-318	10.0	AN/PRC-117F(C) (AM LOS)	134/41	34/10
MOBILE	TRIVEC AVANT AV 2040-2	CROSSED DIPOLE	11.0	292-318	20.0	AN/PRC-117F(C) (UHF SATCOM)	156 48	39/12
MOBILE	L-3 GCS PANTHER II VSAT (KA-BAND)	PARABOLIC	43.9	30000-31000	4.0	L-3 GCS PANTHER II VSAT (KA-BAND)	30/9	10/3
MOBILE	AT-892/PRC-25	3-FOOT WHIP	2.1	30-76	2.0	AN/PRC-68B	65/20	16/5
MOBILE	L-3 GCS PANTHER II VSAT (KU-BAND)	PARABOLIC	37.3	13750-14500	13.0	L-3 GCS PANTHER II VSAT (KU-BAND)	55/17	14/4
MOBILE	L-3 GCS PANTHER II VSAT (X-BAND)	PARABOLIC	32.4	7900-8400	10.0	L-3 GCS PANTHER II VSAT (X-BAND)	48/15	12/4
MOBILE	L-3 GCS PANTHER 96CM	DISH	37.3	13750-14500	13.0	L-3 GCS PANTHER VSAT (KU BAND)	55/17	14/4
MOBILE	CHEETAH FLYAWAY VSAT SYSTEM	DISH	39.0	13750-14500	25.0	CHEETAH FLYAWAY VSAT SYSTEM	93/28	23/7
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-450	50.0	AN/VRC-114 (AN/PRC-117G) (RF-300M-V150)	385/117	96/29
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	450-512	20.0	AN/VRC-114 (AN/PRC-117G) (RF-300M-V150)	43/13	11/3
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	50.0	AN/VRC-114 (AN/PRC-117G) (RF-300M-V150)	230/70	57/17
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	30	50.0	AN/VRC-114 (AN/PRC-117G) (RF-300M-V150)	255/78	64/19
MOBILE	AT-1042/U	WHIP	2.1	30	50.0	AN/VRC-114 (AN/PRC-117G) (RF-300M-V150)	324/99	81/25
MOBILE	AT-1042/U	WHIP	2.1	30	50.0	AN/VRC-110 (AN/PRC-152(C)) (PEP)	324/99	81/25
MOBILE	AT-1042/U	WHIP	2.1	30	20.0	AN/VRC-110 (AN/PRC-152(C)) (20-WATT MODE)	205/63	51/16
MOBILE	AT-1042/U	WHIP	2.1	30	5.0	AN/VRC-110 (AN/PRC-152(C)) (5-WATT MODE)	103/31	26/8
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	30	50.0	AN/VRC-110 (AN/PRC-152(C)) (PEP)	255/78	64/19

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	30	20.0	AN/VRC-110 (AN/PRC-152(C)) (20-WATT MODE)	161/49	40/12
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	30	5.0	AN/VRC-110 (AN/PRC-152(C)) (5-WATT MODE)	80/25	20/6
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	50.0	AN/VRC-110 (AN/PRC-152(C)) (PEP)	230/70	57/17
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	20.0	AN/VRC-110 (AN/PRC-152(C)) (20-WATT MODE)	145/44	36/11
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	5.0	AN/VRC-110 (AN/PRC-152(C)) (5-WATT MODE)	73/22	18/6
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-90	50.0	AN/VRC-110 (AN/PRC-152(C)) (PEP)	385/117	96/29
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-90	20.0	AN/VRC-110 (AN/PRC-152(C)) (20-WATT MODE)	244/74	61/19
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-90	5.0	AN/VRC-110 (AN/PRC-152(C)) (5-WATT MODE)	122/37	30/9
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	90-512	20.0	AN/VRC-110 (AN/PRC-152(C)) (LOS)	216/66	54/16
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	225-400	50.0	AN/VRC-110 (AN/PRC-152(C)) (SATCOM BAND HIGH)	137/42	34/10
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	225-400	20.0	AN/VRC-110 (AN/PRC-152(C)) (SATCOM BAND LOW)	86/26	22/7
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-60	400.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (RF-5834H-PA 400 WATTS)	1090/332	272/83
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-60	150.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (150-WATT AMPLIFIER)	667/203	167/51
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-60	20.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (W/O AMPLIFER)	244/74	61/19
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-60	400.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (RF-5834H-PA 400 WATTS)	649/198	162/49
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-60	150.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (150-WATT AMPLIFIER)	398/121	99/30
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-60	20.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (W/O AMPLIFER)	145/44	36/11
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	2-30	400.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (RF-5834H-PA 400 WATTS)	720/220	180/55
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	2-30	150.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (150-WATT AMPLIFIER)	441/134	110/34
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	2-30	20.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (W/O AMPLIFER)	161/49	40/12

JUL 2 0 2017

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	AT-1042/U	WHIP	2.1	2-30	400.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (RF-5834H-PA 400 WATTS)	917/280	229/70
MOBILE	AT-1042/U	WHIP	2.1	2-30	150.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (150-WATT AMPLIFIER)	561/171	140/43
MOBILE	AT-1042/U	WHIP	2.1	2-30	20.0	AN/VRC-104(V)3 (AN/PRC-150(C)) (W/O AMPLIFER)	205/63	51/16
MOBILE	AT-1042/U	WHIP	2.1	30	50.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (50-WATT AMPLIFER)	324/99	81/25
MOBILE	AT-1042/U	WHIP	2.1	30	10.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (FM LOS)	145/44	36/11
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	30	50.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (50-WATT AMPLIFER)	255/78	64/19
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	30	10.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (FM LOS)	114/35	28/9
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	50.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (50-WATT AMPLIFER)	230/70	57/17
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	10.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (FM LOS)	103/31	26/8
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-89	50.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (50-WATT AMPLIFER)	385/117	96/29
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-89	10.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (FM LOS)	172/53	43/13
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	90-399	50.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (50-WATT AMPLIFIER)	342/104	85/26
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	90-399	20.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (FM LOS)	216/66	54/16
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	90-399	10.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (AM LOS)	152/47	38/12
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	292-318	50.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (SATCOM)	105/32	26/8
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	400-512	50.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (50-WATT AMPLIFIER)	77/23	19/6
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	400-512	10.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (FM LOS)	34/10	10/3
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	400-512	4.0	AN/VRC-103(V)1 (AN/PRC-117F(C)) (AM LOS)	22/7	10/3
MOBILE	AS-1729/VRC	WHIP ANTENNA	2.1	30-76	65.0	AN/MRC-110	370/113	92/28
MOBILE	AS-1729/VRC	WHIP ANTENNA	2.1	32-76	35.0	AN/MRC-110	271/83	68/21
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-60	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	1090/332	272/83
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-60	150.0	AN/PRC-150(C) (WITH RF-5033PA)	667/203	167/51

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-60	125.0	AN/PRC-150(C) (WITH RF-5832H-PA101)	609/186	152/46
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-60	50.0	AN/PRC-150(C) (50 WATT AMPLIFIER)	385/117	96/29
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-60	20.0	AN/PRC-150(C)	244/74	61/19
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-60	5.0	AN/PRC-150(C)	122/37	30/9
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-60	1.0	AN/PRC-150(C)	54/17	14/4
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-60	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	649/198	162/49
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-60	150.0	AN/PRC-150(C) (WITH RF-5033PA)	390/121	99/30
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-60	125.0	AN/PRC-150(C) (WITH RF-5832H-PA101)	363/111	91/28
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-60	50.0	AN/PRC-150(C) (50 WATT AMPLIFIER)	230/70	57/17
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-60	20.0	AN/PRC-150(C)	145/44	36/11
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-60	5.0	AN/PRC-150(C)	73/22	18/6
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-60	1.0	AN/PRC-150(C)	32/10	10/3
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	2-30	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	720/220	180/55
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	2-30	150.0	AN/PRC-150(C) (WITH RF-5033PA)	441/134	110/34
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	2-30	125.0	AN/PRC-150(C) (WITH RF-5832H-PA101)	402/123	101/31
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	2-30	50.0	AN/PRC-150(C) (50 WATT AMPLIFIER)	255/78	64/19
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	2-30	20.0	AN/PRC-150(C)	161/49	40/12
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	2-30	5.0	AN/PRC-150(C)	80/25	20/6
MOBILE	AT-1043/U (SHAKESPEARE 120-14)	WHIP	0.0	2-30	1.0	AN/PRC-150(C)	36/11	10/3
MOBILE	AT-1042/U	WHIP	2.1	2-30	400.0	AN/PRC-150(C) (WITH RF-5834H-PA)	917/280	229/70
MOBILE	AT-1042/U	WHIP	2.1	2-30	150.0	AN/PRC-150(C) (WITH RF-5033PA)	561/171	140/43
MOBILE	AT-1042/U	WHIP	2.1	2-30	125.0	AN/PRC-150(C) (WITH RF-5832H-PA101)	513/156	128/39
MOBILE	AT-1042/U	WHIP	2.1	2-30	50.0	AN/PRC-150(C) (50 WATT AMPLIFIER)	324/99	81/25
MOBILE	AT-1042/U	WHIP	2.1	2-30	20.0	AN/PRC-150(C)	205/63	51/16
MOBILE	AT-1042/U	WHIP	2.1	2-30	5.0	AN/PRC-150(C)	103/31	26/8
MOBILE	AT-1042/U	WHIP	2.1	2-30	1.0	AN/PRC-150(C)	46/14	11/3
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	50.0	AN/PRC-117G(V)1(C) (RF-7800M-V150 OR V250)	230/70	57/17

JUL 2 0 2017

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	50.0	AN/PRC-117G(V)1(C) (RF-300M-V150 OR V250)	230/70	57/17
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	50.0	AN/PRC-117G(V)1(C) (RF-7800M-AD250 (NARROWBAND))	230/70	57/17
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	50.0	AN/PRC-117G(V)1(C) (ELBIT TC-150M)	230/70	57/17
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	10.0	AN/PRC-117G(V)1(C) (VHF/UHF (NARROWBAND))	103/31	26/8
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-450	50.0	AN/PRC-117G(V)1(C) (RF-7800M-V150 OR V250)	385/117	96/29
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-450	50.0	AN/PRC-117G(V)1(C) (RF-300M-V150 OR V250)	385/117	96/29
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-512	50.0	AN/PRC-117G(V)1(C) (RF-7800M-AD250 (NARROWBAND))	385/117	96/29
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-512	50.0	AN/PRC-117G(V)1(C) (ELBIT TC-150M)	385/117	96/29
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-512	10.0	AN/PRC-117G(V)1(C) (VHF/UHF (NARROWBAND))	172/53	43/13
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	225-512	20.0	AN/PRC-117G(V)1(C) (RF-7800M-AD250 (WIDEBAND))	86/26	22/7
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	225-512	5.0	AN/PRC-117G(V)1(C) (UHF (WIDEBAND))	43/13	11/3
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	292-318	150.0	AN/PRC-117G(V)1(C) (ELBIT TC-150M (SATCOM SPECIAL))	182/56	46/14
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	292-318	100.0	AN/PRC-117G(V)1(C) (ELBIT TC-150M (SATCOM))	149/45	37/11
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	292-318	50.0	AN/PRC-117G(V)1(C) (RF-300M-V150 OR V250)	105/32	26/8
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	292-318	50.0	AN/PRC-117G(V)1(C) (RF-7800M-V150 OR V250)	105/32	26/8
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	292-318	50.0	AN/PRC-117G(V)1(C) (RF-7800M-AD250 (SATCOM))	105/32	26/8
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	292-318	20.0	AN/PRC-117G(V)1(C) (SATCOM)	67/20	17/5
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	450-512	20.0	AN/PRC-117G(V)1(C) (RF-300M-V150 OR V250)	43/13	11/3

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	450-512	20.0	AN/PRC-117G(V)1(C) (RF-7800M-V150 OR V250)	43/13	11/3
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-90	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	472/144	118/36
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-90	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	472/144	118/36
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-90	40.0	AN/PRC-117F(C) (W/RAMP-25 AMP)	345/105	86/26
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	30-90	10.0	AN/PRC-117F(C) (FM LOS)	172/53	43/13
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	90-400	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	418/128	105/32
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	90-400	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	418/128	105/32
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	90-400	40.0	AN/PRC-117F(C) (W/RAMP-25 AMP)	306/93	76/23
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	90-400	20.0	AN/PRC-117F(C) (FM LOS)	216/66	54/16
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	90-400	10.0	AN/PRC-117F(C) (AM LOS)	153/47	38/12
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	118-174	75.0	AN/PRC-117F(C)	319/97	80/24
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	292-318	20.0	AN/PRC-117F(C) (UHF SATCOM)	67/20	17/5
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	400-460	75.0	AN/PRC-117F(C)	94/29	24/7
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	400-512	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	94/29	24/7
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	400-512	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	94/29	24/7
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	400-512	40.0	AN/PRC-117F(C) (W/RAMP-25 AMP)	69/21	17/5
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	400-512	10.0	AN/PRC-117F(C) (FM LOS)	34/10	10/3
MOBILE	HARRIS RF-3183-AT0XX SERIES	WHIP	3.6	400-512	4.0	AN/PRC-117F(C) (AM LOS)	22/7	10/3
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	75.0	AN/PRC-117F(C) (W/MIK-21-75 AMP)	281/86	70/21
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	75.0	AN/PRC-117F(C) (W/RAMP-75 AMP)	281/86	70/21
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	40.0	AN/PRC-117F(C) (W/RAMP-25 AMP)	205/63	51/16
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-88	10.0	AN/PRC-117F(C) (FM LOS)	103/31	26/8
MOBILE	PARABOLIC		22.3	16000-16500	1.0	AN/PPS-5	10/3	10/3
MOBILE	AS-3567/PSC-3 (HIGH)	CROSSED DIPOLE	5.5	318-400	35.0	AN/PSC-3 (SATCOM)	101/31	25/8
MOBILE	AS-3567/PSC-3 (HIGH)	CROSSED DIPOLE	5.5	318-400	2.0	AN/PSC-3 (LOS)	24/7	10/3
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	30-52.95	2.0	AN/PRC-77 (LOW BAND)	46/14	11/3

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
MOBILE	OE-254/GRC	MULTI-ELEMENT	-.9	53-75.95	2.0	AN/PRC-77 (HIGH BAND)	46/14	11/3
MOBILE	AT-271A/PRC	WHIP	2.1	30-52.95	2.0	AN/PRC-77 (LOW BAND)	65/20	16/5
MOBILE	AT-271A/PRC	WHIP	2.1	53-75.95	2.0	AN/PRC-77 (HIGH BAND)	65/20	16/5
MOBILE	AS-2259/GR	NVIS	6.0	2-30	20.0	AN/PRC-104 (SSB)	321/98	80/24
MOBILE	AT-271A/PRC	WHIP	2.1	2-30	20.0	AN/PRC-104 (SSB)	205/63	51/16
MOBILE	ENFORA MT 3000 GSM	INTERNAL	2.0	850-950	2.0	ENFORA MT 3000 GSM RADIO (CLASS 4)	10/3	10/3
MOBILE	ENFORA MT 3000 GSM	INTERNAL	2.0	1800-1900	1.0	ENFORA MT 3000 GSM RADIO (CLASS 1)	10/3	10/3
MOBILE	HARRIS UNITY XG-100P	WHIP AND INTERNAL (BLUETOOTH)	0.9	136-174	50.0	HARRIS UNITY XG-100M (VHF)	166/51	41/13
MOBILE	HARRIS UNITY XG-100P	WHIP AND INTERNAL (BLUETOOTH)	0.9	380-520	50.0	HARRIS UNITY XG-100M (UHF)	59/18	15/5
MOBILE	HARRIS UNITY XG-100P	WHIP AND INTERNAL (BLUETOOTH)	0.9	762-870	35.0	HARRIS UNITY XG-100M (700/800)	25/8	10/3
MOBILE	HARRIS UNITY XG-100P	WHIP AND INTERNAL (BLUETOOTH)	0.9	2400-2483.5	0.1	HARRIS UNITY XG-100M (BLUETOOTH)	10/3	5/1.5
MOBILE	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	136-174	50.0	HARRIS UNITY XG-100M (VHF)	269/82	67/20
MOBILE	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	380-520	50.0	HARRIS UNITY XG-100M (UHF)	96/29	24/7
MOBILE	HARRIS 12099-0310-01	OMNIDIRECTIONAL	5.1	762-870	35.0	HARRIS UNITY XG-100M (700/800)	40/12	10/3
MOBILE	HARRIS UNITY XG-100P	WHIP AND INTERNAL (BLUETOOTH)	0.9	136-174	6.0	HARRIS UNITY XG-100P (VHF)	57/17	14/4
MOBILE	HARRIS UNITY XG-100P	WHIP AND INTERNAL (BLUETOOTH)	0.9	380-520	5.0	HARRIS UNITY XG-100P (UHF)	19/6	10/3
MOBILE	HARRIS UNITY XG-100P	WHIP AND INTERNAL (BLUETOOTH)	0.9	763-805	2.5	HARRIS UNITY XG-100P (700/800)	10/3	10/3
MOBILE	HARRIS UNITY XG-100P	WHIP AND INTERNAL (BLUETOOTH)	0.9	806-870	3.0	HARRIS UNITY XG-100P (700/800)	10/3	10/3
MOBILE	HARRIS UNITY XG-100P	WHIP AND INTERNAL (BLUETOOTH)	0.9	2400-2483.5	0.1	HARRIS UNITY XG-100P (BLUETOOTH)	10/3	5/1.5
MOBILE	HARRIS XPNC8B (762-870 MHZ)	STUB	-1.5	763-805	2.5	HARRIS UNITY XG-100P (700/800)	10/3	10/3
MOBILE	HARRIS XPNC8B (762-870 MHZ)	STUB	-1.5	806-870	3.0	HARRIS UNITY XG-100P (700/800)	10/3	10/3
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	20.0	AN/PRC-104 (SSB)	205/63	51/16
MOBILE	HARRIS XPNC8B (380-520 MHZ)	STUB	0.0	380-520	5.0	HARRIS UNITY XG-100P (UHF)	17/5	10/3
MOBILE	HARRIS XPNC8B (136-174 MHZ)	STUB	-5.0	136-174	6.0	HARRIS UNITY XG-100P (VHF)	29/9	10/3
MOBILE	AS-2259/GR	NVIS	6.0	2-30	400.0	AN/GRC-193 (HIGH)	1437/438	359/109
MOBILE	AS-2259/GR	NVIS	6.0	2-30	100.0	AN/GRC-193 (LOW)	718/219	180/55
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	400.0	AN/GRC-193 (HIGH)	917/280	229/70
MOBILE	AT-1011/U	32-FOOT WHIP	2.1	2-30	100.0	AN/GRC-193 (LOW)	458/140	115/35
MOBILE ((NWDC TRAILER))	TACO D2219	MULIDIPOL	1.0	225-400	50.0	AN/URC-200 (UHF) (WITH UPA-50)	101/31	25/8
MOBILE ((NWDC TRAILER))	TACO D2219	MULIDIPOL	1.0	225-400	50.0	AN/URC-200 (UHF) (UPA-55)	101/31	25/8
MOBILE ((NWDC TRAILER))	TACO D2219	MULIDIPOL	1.0	225-400	10.0	AN/URC-200 (UHF) (FM/AM HIGH POWER)	45/14	11/3

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MOBILE ((NWDC TRAILER))	TACO D2219	MULIDIPOL	1.0	225-400	5.0	AN/URC-200 (UHF) (FM MEDIUM/AM LOW)	32/10	10/3
MOBILE ((NWDC TRAILER))	TACO D2219	MULIDIPOL	1.0	225-400	0.1	AN/URC-200 (UHF) (FM LOW)	10/3	5/1.5
MOBILE ((NWDC TRAILER))	COMROD VHF3088VM	WHIP	2.15	30-88	5.0	AN/URC-200 WITH 30-90 MHZ ENHANCEMENT (HIGH POWER)	103/31	26/8
MOBILE ((NWDC TRAILER))	COMROD VHF3088VM	WHIP	2.15	30-88	1.0	AN/URC-200 WITH 30-90 MHZ ENHANCEMENT (MEDIUM POWER)	46/14	12/4
MOBILE ((NWDC TRAILER))	COMROD VHF3088VM	WHIP	2.15	30-88	0.15	AN/URC-200 WITH 30-90 MHZ ENHANCEMENT (LOW POWER)	18/5	10/3
MOBILE (VEHICLE)	ENFORA MT 3000 GSM	INTERNAL	2.0	850-950	2.0	ENFORA MT 3000 GSM RADIO (CLASS 4)	10/3	10/3
MOBILE (VEHICLE)	ENFORA MT 3000 GSM	INTERNAL	2.0	1800-1900	1.0	ENFORA MT 3000 GSM RADIO (CLASS 1)	10/3	10/3
PORTABLE	UVU-100	DIPOLE	2.5	225-400	50.0	AN/URC-200 (UHF) (WITH UPA-50)	120/37	30/9
PORTABLE	UVU-100	DIPOLE	2.5	225-400	50.0	AN/URC-200 (UHF) (UPA-55)	120/37	30/9
PORTABLE	UVU-100	DIPOLE	2.5	225-400	10.0	AN/URC-200 (UHF) (FM/AM HIGH POWER)	54/16	13/4
PORTABLE	UVU-100	DIPOLE	2.5	225-400	5.0	AN/URC-200 (UHF) (FM MEDIUM/AM LOW)	38/12	10/3
PORTABLE	UVU-100	DIPOLE	2.5	225-400	0.1	AN/URC-200 (UHF) (FM LOW)	10/3	5/1.5
PORTABLE	UVU-100	DIPOLE	2.5	115-174	50.0	AN/URC-200 (VHF) (WITH UPA-50)	236/72	59/18
PORTABLE	UVU-100	DIPOLE	2.5	115-174	50.0	AN/URC-200 (VHF) (UPA-55)	236/72	59/18
PORTABLE	UVU-100	DIPOLE	2.5	115-174	10.0	AN/URC-200 (VHF) (FM/AM HIGH POWER)	105/32	26/8
PORTABLE	UVU-100	DIPOLE	2.5	115-174	5.0	AN/URC-200 (VHF) (FM MEDIUM/AM LOW)	74/23	19/6
PORTABLE	UVU-100	DIPOLE	2.5	115-174	0.1	AN/URC-200 (VHF) (FM LOW)	11/3	5/1.5
PORTABLE	AN/GSQ-257		2.1	138-153	2.0	AN/GSQ-257	37/11	10/3
PORTABLE	AN/PRC-148	30-90 MHZ BLADE OR 30-512 MHZ HELICAL WHIP	0.0	30-512	20.0	AN/PRC-148(V)(C) MBITR (W/HA6943)	161/49	40/12
PORTABLE	AN/PRC-148	30-90 MHZ BLADE OR 30-512 MHZ HELICAL WHIP	0.0	30-512	5.0	AN/PRC-148(V)(C) MBITR (FM OR AM)	80/25	20/6
PORTABLE	AN/PRC-148	30-90 MHZ BLADE OR 30-512 MHZ HELICAL WHIP	0.0	30-512	3.0	AN/PRC-148(V)(C) MBITR (FM)	62/19	16/5
PORTABLE	AN/PRC-148	30-90 MHZ BLADE OR 30-512 MHZ HELICAL WHIP	0.0	30-512	1.0	AN/PRC-148(V)(C) MBITR (FM OR AM)	36/11	10/3
PORTABLE	AN/PRC-148	30-90 MHZ BLADE OR 30-512 MHZ HELICAL WHIP	0.0	30-512	0.5	AN/PRC-148(V)(C) MBITR (FM)	25/8	10/3
PORTABLE	AN/PRC-148	30-90 MHZ BLADE OR 30-512 MHZ HELICAL WHIP	0.0	30-512	0.1	AN/PRC-148(V)(C) MBITR (FM)	11/3	10/3
PORTABLE	AS-2544A/PPN-18		4.1	16250-16280	0.441	AN/PPN-18	10/3	10/3
PORTABLE	STUB (GENERIC)	STUB	0.9	30-90	50.0	AN/PRC-152(C) (RF-300M-TV)	289/86	71/22

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PORTABLE	STUB (GENERIC)	STUB	0.9	30-512	5.0	AN/PRC-152(C) (AM, FM, PSK, CPM)	89/27	22/7
PORTABLE	STUB (GENERIC)	STUB	0.9	30-512	0.25	AN/PRC-152(C) (AM, FM, PSK, CPM)	20/6	10/3
PORTABLE	STUB (GENERIC)	STUB	0.9	90-512	20.0	AN/PRC-152(C) (RF-300M-TV)	158/48	40/12
PORTABLE	STUB (GENERIC)	STUB	0.9	292-318	50.0	AN/PRC-152(C) (RF-300M-TV SATCOM)	77/24	19/6
PORTABLE	STUB (GENERIC)	STUB	0.9	292-318	10.0	AN/PRC-152(C) (SATCOM)	35/11	10/3
PORTABLE	STUB (GENERIC)	STUB	0.9	2-30	0.1	AN/PRC-343 (HF)	13/4	10/3
PORTABLE	STUB (GENERIC)	STUB	0.9	30-88	0.1	AN/PRC-343 (VHF)	13/4	10/3
PORTABLE	STUB (GENERIC)	STUB	0.9	225-400	0.1	AN/PRC-343	10/3	5/1.5
PORTABLE	STUB (GENERIC)	STUB	0.9	2400-2483	0.1	AN/PRC-343	10/3	5/1.5
PORTABLE	MOTOROLA XTS 2500	STUB	0.9	136-174	5.0	MOTOROLA ASTRO XTS 2500I (VHF)	52/16	13/4
PORTABLE	MOTOROLA XTS 2500	STUB	0.9	380-470	5.0	MOTOROLA ASTRO XTS 2500I (UHF R1)	19/6	10/3
PORTABLE	MOTOROLA XTS 2500	STUB	0.9	450-520	5.0	MOTOROLA ASTRO XTS 2500I (UHF R2)	16/5	10/3
PORTABLE	MOTOROLA XTS 2500	STUB	0.9	764-806	3.0	MOTOROLA ASTRO XTS 2500I (700 MHZ)	10/3	10/3
PORTABLE	MOTOROLA XTS 2500	STUB	0.9	806-870	3.0	MOTOROLA ASTRO XTS 2500I (800 MHZ)	10/3	10/3
PORTABLE	WHIP	WHIP	2.1	225-400	1.0	AN/PRC-75	16/5	10/3
PORTABLE	WHIP	WHIP	2.1	132-174	2.2	AN/PRC-94	41/13	10/3
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	698-806	2.0	CELLULAR TELEPHONE (HANDHELD) (3G, 4G MEDIAFLO, DVB-H)	10/3	10/3
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	806-824	4.0	CELLULAR TELEPHONE (HANDHELD) (SMR IDEN)	10/3	10/3
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	824-849	4.0	CELLULAR TELEPHONE (HANDHELD) (ANALOG/DIGITAL)	10/3	10/3
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	851-869	4.0	CELLULAR TELEPHONE (HANDHELD) (SMR IDEN)	10/3	10/3
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	869-894	4.0	CELLULAR TELEPHONE (HANDHELD) (ANALOG/DIGITAL)	10/3	10/3
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	1392-1395	2.0	CELLULAR TELEPHONE (HANDHELD) (1.4 GHZ)	10/3	10/3
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	1432-1435	2.0	CELLULAR TELEPHONE (HANDHELD) (1.4 GHZ)	10/3	10/3
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	1710-1755	2.0	CELLULAR TELEPHONE (HANDHELD) (3G 4G)	10/3	10/3
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	1805-1880	2.0	CELLULAR TELEPHONE (HANDHELD) (DCS1800 CELL PHONE BAND)	10/3	10/3

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	1850-1910	1.0	CELLULAR TELEPHONE (HANDHELD) (DIGITAL PCS BAND)	10/3	10/3
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	1930-1990	2.0	CELLULAR TELEPHONE (HANDHELD) (DIGITAL PCS BAND)	10/3	10/3
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	2110-2155	2.0	CELLULAR TELEPHONE (HANDHELD) (3G 4G)	10/3	10/3
PORTABLE	CELLULAR TELEPHONE	STUB	3.1	2496-2690	2.0	CELLULAR TELEPHONE (HANDHELD) (4G)	10/3	10/3
PORTABLE	AN/PRC-153	STUB	0.9	380-470	5.0	AN/PRC-153	19/6	10/3
PORTABLE	AN/PRC-148	30-90 MHZ BLADE OR 30-512 MHZ HELICAL WHIP	0.0	30-512	20.0	AN/PRC-148(V)(C) MBITR (W/MA6943)	161/49	40/12
PORTABLE	AN/PRC-148	30-90 MHZ BLADE OR 30-512 MHZ HELICAL WHIP	0.0	30-512	5.0	AN/PRC-148(V)(C) MBITR (FM OR AM)	80/25	20/6
PORTABLE	AN/PRC-148	30-90 MHZ BLADE OR 30-512 MHZ HELICAL WHIP	0.0	30-512	3.0	AN/PRC-148(V)(C) MBITR (FM)	62/19	16/5
PORTABLE	AN/PRC-148	30-90 MHZ BLADE OR 30-512 MHZ HELICAL WHIP	0.0	30-512	1.0	AN/PRC-148(V)(C) MBITR (FM OR AM)	36/11	10/3
PORTABLE	AN/PRC-148	30-90 MHZ BLADE OR 30-512 MHZ HELICAL WHIP	0.0	30-512	0.5	AN/PRC-148(V)(C) MBITR (FM)	25/8	10/3
PORTABLE	AN/PRC-148	30-90 MHZ BLADE OR 30-512 MHZ HELICAL WHIP	0.0	30-512	0.1	AN/PRC-148(V)(C) MBITR (FM)	11/3	10/3
				AH-1W (SUPER COBRA)				
ALTIMETER	AS-2728	HORN ARRAY	10.5	4250-4350	0.6	AN/APN-194(V)	10/3	10/3
COMMS	AS-3972/A	COLINEAR ARRAY	2.1	30-88	23.0	AN/ARC-210(V) (FM 1 HIGH)	220/67	55/17
COMMS	AS-3972/A	COLINEAR ARRAY	2.1	108-156	15.0	AN/ARC-210(V) (AM I HIGH)	131/40	33/10
COMMS	AS-3972/A	COLINEAR ARRAY	2.1	156-174	23.0	AN/ARC-210(V) (FM 2 HIGH)	112/34	28/9
COMMS	AS-3972/A	COLINEAR ARRAY	2.1	225-400	23.0	AN/ARC-210(V) (FM)	78/24	19/6
COMMS	AS-3972/A	COLINEAR ARRAY	2.1	292-318	23.0	AN/ARC-210(V) (SATCOM)	60/18	15/5
COMMS	AS-3972/A	COLINEAR ARRAY	2.1	400-512	5.0	AN/ARC-210(V) (FM)	20/6	10/3
IFF	AS-3972/A	COLINEAR ARRAY	2.1	1090	0.56	AN/APX-100(V)1	10/3	10/3
TACAN	AS-4071/ASQ	BLADE	2.1	962-1213	10.8	AN/ARN-153(V) (TCN-500)	12/4	10/3
				CH-53E (SUPER STALLION)				
ALTIMETER	LG-81A1	FLUSH-MOUNT	13.0	4290-4310	0.5	AN/APN-171(V)1	10/3	10/3
BEACON	ARRAY	ARRAY	6.0	8800-9500	8.0	AN/APN-154(V)	10/3	10/3
COMMS	LONGWIRE	LONGWIRE	2.1	2-30	175.0	AN/ARC-220 (MT 7107 POWER AMPLIFIER)	606/185	152/46
COMMS	LONGWIRE	LONGWIRE	2.1	2-30	100.0	AN/ARC-220 (HIGH)	458/140	115/35
COMMS	LONGWIRE	LONGWIRE	2.1	2-30	50.0	AN/ARC-220 (MED)	324/99	81/25
COMMS	LONGWIRE	LONGWIRE	2.1	2-30	10.0	AN/ARC-220 (LOW)	145/44	36/11
COMMS	AS-3881/ASQ	BLADE	2.1	30-88	23.0	AN/ARC-210(V) (FM 1 HIGH)	220/67	55/17
COMMS	AS-3881/ASQ	BLADE	2.1	108-156	15.0	AN/ARC-210(V) (AM 1 HIGH)	131/40	33/10

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COMMS	AS-3881/ASQ	BLADE	2.1	156-174	23.0	AN/ARC-210(V) (FM 2 HIGH)	112/34	28/9
COMMS	AS-3881/ASQ	BLADE	2.1	225-400	23.0	AN/ARC-210(V) (FM)	78/24	19/6
COMMS	AS-3881/ASQ	BLADE	2.1	292-318	23.0	AN/ARC-210(V) (SATCOM)	60/18	15/5
COMMS	AS-3881/ASQ	BLADE	2.1	400-512	5.0	AN/ARC-210(V) (FM)	20/6	10/3
DOPPLER	AN/APN-217A	APERTURE	26.2	13285-13315	0.2	AN/APN-217A	10/3	10/3
IFF	AS-133	STUB	2.1	1090	5.5	AN/APX-72B	10/3	10/3
IFF	AT-234	STUB	2.1	1090	5.5	AN/APX-64(V)	10/3	10/3
MNM-RR	COBHAM 19-400	SATCOM	0.0	292-318	20.0	AN/PRC-117G(V)1 (SATCOM) (SATCOM)	44/13	11/3
MNM-RR	SENSOR SYSTEMS S65-1016 SERIES	UHF BLADE	2.1	225-465	20.0	AN/PRC-117G(V)1 (UHF) (UHF)	73/22	18/6
MNM-RR	SENSOR SYSTEMS S65-1016 SERIES	UHF BLADE	2.1	225-400	5.0	ROCKWELL COLLINS ONT-200 MINIATURE DATA LINK (UHF)	36/11	10/3
MNM-RR	DAYTON GRANGER UF10-76	UHF BLADE	0.0	225-400	20.0	AN/PRC-117G(V)1 (UHF) (UHF)	57/17	14/4
MNM-RR	DAYTON GRANGER UF10-76	UHF BLADE	0.0	225-400	5.0	ROCKWELL COLLINS ONT-200 MINIATURE DATA LINK (UHF)	29/9	10/3
TACAN	AT-741B/A	BLADE	2.6	1025-1150	10.9	AN/ARN-118(V)	12/4	10/3
				MV-22 (OSPREY)				
ALTIMETER	HORN	HORN	10.5	4250-4350	0.6	AN/APN-194(V)	10/3	10/3
COMMS	AS-3191/A	BLADE	2.1	30-88	23.0	AN/ARC-210(V) (FM 1 HIGH)	220/67	55/17
COMMS	AS-3191/A	BLADE	2.1	108-156	15.0	AN/ARC-210(V) (AM 1 HIGH)	131/40	33/10
COMMS	AS-3191/A	BLADE	2.1	156-174	23.0	AN/ARC-210(V) (FM 2 HIGH)	112/34	28/9
COMMS	AS-3191/A	BLADE	2.1	225-400	23.0	AN/ARC-210(V) (FM)	78/24	19/6
COMMS	AS-3191/A	BLADE	2.1	292-318	23.0	AN/ARC-210(V) (SATCOM)	60/18	15/5
COMMS	AS-3191/A	BLADE	2.1	400	5.0	AN/ARC-210(V) (FM)	20/6	10/3
COMMS	AS-3191/A	BLADE	2.1	30-88	100.0	AN/ARC-210(V) (POLE ZERO AMPLIFIER)	458/140	115/35
COMMS	AS-3191/A	BLADE	2.1	30-88	80.0	AN/ARC-210(V) (XRF-671 RF PA)	410/125	103/31
COMMS	AS-3191/A	BLADE	2.1	30-88	50.0	AN/ARC-210(V) (AM-7189A)	324/99	81/25
COMMS	AS-3191/A	BLADE	2.1	30-88	23.0	AN/ARC-210(V) (NORMAL FM 1 HIGH)	220/67	55/17
COMMS	AS-3191/A	BLADE	2.1	108-156	100.0	AN/ARC-210(V) (AM-7581/SRC)	339/103	85/26
COMMS	AS-3191/A	BLADE	2.1	108-156	100.0	AN/ARC-210(V) (POLE ZERO AMPLIFIER)	339/103	85/26
COMMS	AS-3191/A	BLADE	2.1	108-156	15.0	AN/ARC-210(V) (NORMAL AM 1 HIGH)	131/40	33/10
COMMS	AS-3191/A	BLADE	2.1	156-174	100.0	AN/ARC-210(V) (AM-7581/SRC)	235/72	59/18
COMMS	AS-3191/A	BLADE	2.1	156-174	80.0	AN/ARC-210(V) (603740-001 RF PA)	210/64	52/16
COMMS	AS-3191/A	BLADE	2.1	156-174	23.0	AN/ARC-210(V) (MARITIME NORMAL FM 2 HIGH)	112/34	28/9

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
COMMS	AS-3191/A	BLADE	2.1	225-400	125.0	AN/ARC-210(V) (AM-7526)	182/55	45/14
COMMS	AS-3191/A	BLADE	2.1	225-400	100.0	AN/ARC-210(V) (AM-7581/SRC)	163/50	41/12
COMMS	AS-3191/A	BLADE	2.1	225-400	80.0	AN/ARC-210(V) (XRF-669 LOW BAND PA)	145/44	36/11
COMMS	AS-3191/A	BLADE	2.1	225-400	23.0	AN/ARC-210(V) (NORMAL FM)	78/24	19/6
COMMS	AS-3191/A	BLADE	2.1	292-318	125.0	AN/ARC-210(V) (AM-7565 (SATCOM))	140/43	35/11
COMMS	AS-3191/A	BLADE	2.1	292-318	23.0	AN/ARC-210(V) (SATCOM)	60/18	15/5
COMMS	AS-3191/A	BLADE	2.1	400	100.0	AN/ARC-210(V) (POLE ZERO AMPLIFIER)	91/28	23/7
COMMS	AS-3191/A	BLADE	2.1	400	5.0	AN/ARC-210(V) (FM)	20/6	10/3
IFF	BLADE	BLADE	2.1	1090	0.56	AN/APX-100(V)1	10/3	10/3
TACAN	BLADE	BLADE	2.1	962-1213	10.8	AN/ARN-153(V) (TCN-500)	12/4	10/3
				MV-22 Block B (OSPREY)				
ALTIMETER	AS-2728	HORN ARRAY	10.5	4250-4350	0.6	AN/APN-194(V)	10/3	10/3
COMMS	AS-3191/A	BLADE	2.1	30-88	23.0	AN/ARC-210(V) (FM 1 HIGH)	220/67	55/17
COMMS	AS-3191/A	BLADE	2.1	108-156	15.0	AN/ARC-210(V) (AM 1 HIGH)	131/40	33/10
COMMS	AS-3191/A	BLADE	2.1	156-174	23.0	AN/ARC-210(V) (FM 2 HIGH)	112/34	28/9
COMMS	AS-3191/A	BLADE	2.1	225-400	23.0	AN/ARC-210(V) (FM)	78/24	19/6
COMMS	AS-3191/A	BLADE	2.1	292-318	23.0	AN/ARC-210(V) (SATCOM)	60/18	15/5
COMMS	AS-3191/A	BLADE	2.1	400	5.0	AN/ARC-210(V) (FM)	20/6	10/3
ELT	S1G-7020-01	WIRE	2.1	243	0.2	AN/URT-33	10/3	5/1.5
IFF	AT-741B/A	BLADE	2.6	1090	5.0	AN/APX-100(V)	10/3	10/3
SATCOM	CHELTON 19H430-10 (225-400 MHZ)	BLADE	5.0	225-400	125.0	AN/ARC-210(V) (AM-7526)	254/77	63/19
SATCOM	CHELTON 19H430-10 (225-400 MHZ)	BLADE	5.0	225-400	100.0	AN/ARC-210(V) (AM-7581/SRC)	227/69	57/17
SATCOM	CHELTON 19H430-10 (225-400 MHZ)	BLADE	5.0	225-400	80.0	AN/ARC-210(V) (XRF-669 LOW BAND PA)	203/62	51/15
SATCOM	CHELTON 19H430-10 (225-400 MHZ)	BLADE	5.0	225-400	23.0	AN/ARC-210(V) (NORMAL FM)	109/33	27/8
SATCOM	CHELTON 19H430-10 (225-400 MHZ)	BLADE	5.0	292-318	125.0	AN/ARC-210(V) (AM-7565 (SATCOM))	196/60	49/15
SATCOM	CHELTON 19H430-10 (225-400 MHZ)	BLADE	5.0	292-318	23.0	AN/ARC-210(V) (SATCOM)	84/26	21/6
SATCOM	CHELTON 19H430-10 (225-400 MHZ)	BLADE	5.0	400	100.0	AN/ARC-210(V) (POLE ZERO AMPLIFIER)	128/39	32/10
SATCOM	CHELTON 19H430-10 (225-400 MHZ)	BLADE	5.0	400	5.0	AN/ARC-210(V) (FM)	29/9	10/3
SURVIVAL	N/A	WHIP	2.1	118-125	0.1	AN/PRC-112G (VHF)	10/3	5/1.5
SURVIVAL	N/A	WHIP	2.1	225-320	1.0	AN/PRC-112G (UHF)	16/5	10/3
SURVIVAL	N/A	WHIP	2.1	340-390	1.0	AN/PRC-112G (UHF)	11/3	10/3

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
SURVIVAL	N/A	WHIP	2.1	406	5.0	AN/PRC-112G (406 SARSAT)	20/6	10/3
TACAN	AT-7418/A	BLADE	2.6	962-1213	10.8	AN/ARN-153(V) (TCN-500)	13/4	10/3
				LCAC (LANDING CRAFT AIR CUSHION) LANDING CRAFT				
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	30.0-88.0	100.0	AN/ARC-210(V) (POLE ZERO AMPLIFIER)	458/140	115/35
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	30.0-88.0	80.0	AN/ARC-210(V) (XRF-671 RF PA)	410/125	103/31
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	30.0-88.0	50.0	AN/ARC-210(V) (AM-7189A)	324/99	81/25
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	30.0-88.0	23.0	AN/ARC-210(V) (NORMAL FM 1 HIGH)	220/67	55/17
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	108.0-156.0	100.0	AN/ARC-210(V) (AM-7581/SRC)	339/103	85/26
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	108.0-156.0	100.0	AN/ARC-210(V) (POLE ZERO AMPLIFIER)	339/103	85/26
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	108.0-156.0	15.0	AN/ARC-210(V) (NORMAL AM 1 HIGH)	131/40	33/10
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	156.0-174.0	100.0	AN/ARC-210(V) (AM-7581/SRC)	235/72	59/18
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	156.0-174.0	80.0	AN/ARC-210(V) (603740-001 RF PA)	210/64	52/16
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	156.0-174.0	23.0	AN/ARC-210(V) (MARITIME NORMAL FM 2 HIGH)	112/34	28/9
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	225.0-400.0	125.0	AN/ARC-210(V) (AM-7526)	182/55	45/14
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	225.0-400.0	100.0	AN/ARC-210(V) (AM-7581/SRC)	163/50	41/12
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	225.0-400.0	80.0	AN/ARC-210(V) (XRF-669 LOW BAND PA)	145/44	36/11
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	225.0-400.0	23.0	AN/ARC-210(V) (NORMAL FM)	78/24	19/6
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	292.0-318.0	125.0	AN/ARC-210(V) (AM-7565 (SATCOM))	140/43	35/11
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	292.0-318.0	23.0	AN/ARC-210(V) (SATCOM)	60/18	15/5
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	400.0	100.0	AN/ARC-210(V) (POLE ZERO AMPLIFIER)	91/28	23/7
ARC-210 BLADE (VHF-UHF)	AS-3191/A	BLADE	2.1	400.0	5.0	AN/ARC-210(V) (FM)	20/6	10/3
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	30.0-88.0	100.0	AN/ARC-210(V) (POLE ZERO AMPLIFIER)	428/130	107/33
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	30.0-88.0	80.0	AN/ARC-210(V) (XRF-671 RF PA)	383/117	96/29
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	30.0-88.0	50.0	AN/ARC-210(V) (AM-7189A)	303/92	76/23
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	30.0-88.0	23.0	AN/ARC-210(V) (NORMAL FM 1 HIGH)	205/63	51/16

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	108.0-156.0	100.0	AN/ARC-210(V) (AM-7581/SRC)	316/96	79/24
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	108.0-156.0	100.0	AN/ARC-210(V) (POLE ZERO AMPLIFIER)	316/96	79/24
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	108.0-156.0	15.0	AN/ARC-210(V) (NORMAL AM 1 HIGH)	122/37	31/9
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	156.0-174.0	100.0	AN/ARC-210(V) (AM-7581/SRC)	219/67	55/17
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	156.0-174.0	80.0	AN/ARC-210(V) (603740-001 RF PA)	196/60	49/15
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	156.0-174.0	23.0	AN/ARC-210(V) (MARITIME NORMAL FM 2 HIGH)	105/32	26/8
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	225.0-400.0	125.0	AN/ARC-210(V) (AM-7526)	170/52	42/13
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	225.0-400.0	100.0	AN/ARC-210(V) (AM-7581/SRC)	152/46	38/12
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	225.0-400.0	80.0	AN/ARC-210(V) (XRF-669 LOW BAND PA)	136/41	34/10
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	225.0-400.0	33.0	AN/ARC-210(V) (NORMAL FM)	73/22	18/6
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	292.0-318.0	125.0	AN/ARC-210(V) (AM-7565 (SATCOM))	131/40	33/10
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	292.0-318.0	23.0	AN/ARC-210(V) (SATCOM)	56/17	14/4
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	400.0	100.0	AN/ARC-210(V) (POLE ZERO AMPLIFIER)	85/26	21/7
ARC-210 WHIP (VHF-UHF)	UNISYS FM 11-353	WHIP	1.5	400.0	5.0	AN/ARC-210(V) (FM)	19/6	10/3
ARC-220 WIRE (HF)	LONGWIRE	LONGWIRE	2.1	2.0-30.0	175.0	AN/ARC-220 (MT 7107 POWER AMPLIFIER)	606/185	152/46
ARC-220 WIRE (HF)	LONGWIRE	LONGWIRE	2.1	2.0-30.0	100.0	AN/ARC-220 (HIGH)	458/140	115/35
ARC-220 WIRE (HF)	LONGWIRE	LONGWIRE	2.1	2.0-30.0	50.0	AN/ARC-220 (MED)	324/99	81/25
ARC-220 WIRE (HF)	LONGWIRE	LONGWIRE	2.1	2.0-30.0	10.0	AN/ARC-220 (LOW)	145/44	36/11
EPLRS BLADE (UHF)	AS-3447/ASQ-177	BLADE	4.0	420.0-450.0	100.0	AN/VSQ-2D(V) (EPLRS) (ENM 100)	108/33	27/8
EPLRS BLADE (UHF)	AS-3447/ASQ-177	BLADE	4.0	420.0-450.0	20.0	AN/VSQ-2D(V) (EPLRS) (ENM 20)	48/15	12/4
EPLRS BLADE (UHF)	AS-3447/ASQ-177	BLADE	4.0	420.0-450.0	3.0	AN/VSQ-2D(V) (EPLRS) (ENM 3)	19/6	10/3
EPLRS BLADE (UHF)	AS-3447/ASQ-177	BLADE	4.0	420.0-450.0	0.4	AN/VSQ-2D(V) (EPLRS) (ENM 0.4)	10/3	10/3
IFF DIPOLE	AS-1778/UPX	MODIFIED DIPOLE	2.0	1090.0	0.56	AN/APX-100(V)1	10/3	10/3
NAV RADAR ARRAY	BRIDGE MASTER E (X-BAND) 4 FT	SLOTTED ARRAY	31.1	9380.0-9440.0	14.72	BRIDGEMASTER E (X-BAND) NAVIGATIONAL RADAR (HIGH POWER, LONG PULSE)	42/13	11/3
NAV RADAR ARRAY	BRIDGE MASTER E (X-BAND) 4 FT	SLOTTED ARRAY	31.1	9380.0-9440.0	11.25	BRIDGEMASTER E (X-BAND) NAVIGATIONAL RADAR (HIGH POWER, MEDIUM PULSE)	37/11	10/3

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
NAV RADAR ARRAY	BRIDGE MASTER E (X-BAND) 4 FT	SLOTTED ARRAY	31.1	9380.0-9440.0	5.9	BRIDGEMASTER E (X-BAND) NAVIGATIONAL RADAR (LOW POWER, LONG PULSE)	27/8	10/3
NAV RADAR ARRAY	BRIDGE MASTER E (X-BAND) 4 FT	SLOTTED ARRAY	31.1	9380.0-9440.0	4.5	BRIDGEMASTER E (X-BAND) NAVIGATIONAL RADAR (LOW POWER, MEDIUM PULSE)	23/7	10/3
NAV RADAR ARRAY	BRIDGE MASTER E (X-BAND) 4 FT	SLOTTED ARRAY	31.1	9380.0-9440.0	2.25	BRIDGEMASTER E (X-BAND) NAVIGATIONAL RADAR (HIGH POWER , SHORT PULSE)	16/5	10/3
NAV RADAR ARRAY	BRIDGE MASTER E (X-BAND) 4 FT	SLOTTED ARRAY	31.1	9380.0-9440.0	0.9	BRIDGEMASTER E (X-BAND) NAVIGATIONAL RADAR (LOW POWER, SHORT PULSE)	10/3	10/3
NAV RADAR ARRAY	FURUNO XN10A	SLOTTED WAVEGUIDE ARRAY	26.0	9380.0-9440.0	52.5	FURUNO FAR-2127 (3 NM)	44/14	11/3
NAV RADAR ARRAY	FURUNO XN10A	SLOTTED WAVEGUIDE ARRAY	26.0	9380.0-9440.0	45.0	FURUNO FAR-2127 (6 NM)	41/12	10/3
NAV RADAR ARRAY	FURUNO XN10A	SLOTTED WAVEGUIDE ARRAY	26.0	9380.0-9440.0	30.0	FURUNO FAR-2127 (24 NM)	33/10	10/3
NAV RADAR ARRAY	FURUNO XN10A	SLOTTED WAVEGUIDE ARRAY	26.0	9380.0-9440.0	18.0	FURUNO FAR-2127 (48 NM)	26/8	10/3
XTS 5000 STUB (PORTABLE)	MOTOROLA XTS 5000	STUB	0.9	136.0-174.0	6.0	MOTOROLA XTS 5000R (VHF)	57/17	14/4
XTS 5000 STUB (PORTABLE)	MOTOROLA XTS 5000	STUB	0.9	380.0-520.0	5.0	MOTOROLA XTS 5000R (UHF R1/R2)	19/6	10/3
XTS 5000 STUB (PORTABLE)	MOTOROLA XTS 5000	STUB	0.9	764.0-806.0	2.5	MOTOROLA XTS 5000R (700 MHZ)	10/3	10/3
XTS 5000 STUB (PORTABLE)	MOTOROLA XTS 5000	STUB	0.9	806.0-870.0	3.0	MOTOROLA XTS 5000R (800 MHZ)	10/3	10/3
XTS 5000 WHIP (INSTALLED)	COMANT CI 177-13	STUB	3.0	138-174.0	6.0	MOTOROLA XTS 5000R (VHF)	72/22	18/5
				LCU (LANDING CRAFT UTILITY) LANDING CRAFT				
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30.0-89.0	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFER)	403/123	101/31
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30.0-89.0	10.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (FM LOS)	180/55	45/14
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	90.0-399.0	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER)	358/109	89/27
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	90.0-399.0	20.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (FM LOS)	226/69	57/17
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	90.0-399.0	10.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (AM LOS)	160/49	40/12
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	292.0-318.0	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (SATCOM)	110/34	28/8

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	400.0-512.0	50.0	AN/VRC-103(V)1 (AN/PRC-117F(C)] (50-WATT AMPLIFIER)	80/25	20/6
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	400.0-512.0	10.0	AN/VRC-103(V)1 (AN/PRC-117F(C)] (FM LOS)	36/11	10/3
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	400.0-512.0	4.0	AN/VRC-103(V)1 (AN/PRC-117F(C)] (AM LOS)	23/7	10/3
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30.0-90.0	50.0	AN/VRC-110 (AN/PRC-152(C)] (PEP)	403/123	101/31
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30.0-90.0	20.0	AN/VRC-110 (AN/PRC-152(C)] (20-WATT MODE)	255/78	64/19
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30.0-90.0	5.0	AN/VRC-110 (AN/PRC-152(C)] (5-WATT MODE)	128/39	32/10
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	90.0-512.0	20.0	AN/VRC-110 (AN/PRC-152(C)] (LOS)	226/69	57/17
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	225.0-400.0	50.0	AN/VRC-110 (AN/PRC-152(C)] (SATCOM BAND HIGH)	143/44	36/11
1	SHAKESPEARE SFB3512/VRC	WHIP	4.0	225.0-400.0	20.0	AN/VRC-110 (AN/PRC-152(C)] (SATCOM BAND LOW)	91/28	23/7
2	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30.0-90.0	50.0	AN/VRC-110 (AN/PRC-152(C)] (PEP)	403/123	101/31
2	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30.0-90.0	20.0	AN/VRC-110 (AN/PRC-152(C)] (20-WATT MODE)	255/78	64/19
2	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30.0-90.0	5.0	AN/VRC-110 (AN/PRC-152(C)] (5-WATT MODE)	128/39	32/10
2	SHAKESPEARE SFB3512/VRC	WHIP	4.0	90.0-512.0	20.0	AN/VRC-110 (AN/PRC-152(C)] (LOS)	226/69	57/17
2	SHAKESPEARE SFB3512/VRC	WHIP	4.0	225.0-400.0	50.0	AN/VRC-110 (AN/PRC-152(C)] (SATCOM BAND HIGH)	143/44	36/11
2	SHAKESPEARE SFB3512/VRC	WHIP	4.0	225.0-400.0	20.0	AN/VRC-110 (AN/PRC-152(C)] (SATCOM BAND LOW)	91/28	23/7
2-1	SHAKESPEARE 120-49	WHIP	2.1	2-30	400.0	AN/VRC-104(V)3 (AN/PRC-150(C)] (RF-5834H-PA 400 WATTS)	917/280	229/70
2-1	SHAKESPEARE 120-49	WHIP	2.1	2-30	150.0	AN/VRC-104(V)3 (AN/PRC-150(C)] (150-WATT AMPLIFIER)	561/171	140/43
2-1	SHAKESPEARE 120-49	WHIP	2.1	2-30	20.0	AN/VRC-104(V)3 (AN/PRC-150(C)] (W/O AMPLIFER)	205/63	51/16
2-3	N/A	WHIP	2.1	30.0-88.0	50.0	AN/SRC-54C	324/99	81/25
2-4	AS-3191/A	BLADE	2.1	30.0-88.0	15.0	AN/ARC-182(V) (FM (SINCGARS))	178/54	44/14
2-4	AS-3191/A	BLADE	2.1	116.0-156.0	10.0	AN/ARC-182(V) (VHF-AM)	98/30	25/7
2-4	AS-3191/A	BLADE	2.1	156.0-174.0	15.0	AN/ARC-182(V) (VHF-FM)	91/28	23/7
2-4	AS-3191/A	BLADE	2.1	225.0-400.0	15.0	AN/ARC-182(V) (UHF-FM)	63/19	16/5

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
2-5	N/A	WHIP	2.1	156.0-158.0	25.0	ICOM IC-M125 (HIGH)	117/36	29/9
2-5	N/A	WHIP	2.1	156.0-158.0	1.0	ICOM IC-M125 (LOW)	23/7	10/3
2-6	SHAKESPEARE 5202	WHIP	8.1	156.0-158.0	25.0	ICOM IC-M80	234/71	58/18
3	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30.0-89.0	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFER)	403/123	101/31
3	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30.0-89.0	10.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (FM LOS)	180/55	45/14
3	SHAKESPEARE SFB3512/VRC	WHIP	4.0	90.0-399.0	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER)	358/109	89/27
3	SHAKESPEARE SFB3512/VRC	WHIP	4.0	90.0-399.0	20.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (FM LOS)	226/69	57/17
3	SHAKESPEARE SFB3512/VRC	WHIP	4.0	90.0-399.0	10.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (AM LOS)	160/49	40/12
3	SHAKESPEARE SFB3512/VRC	WHIP	4.0	292.0-318.0	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (SATCOM)	110/34	28/8
3	SHAKESPEARE SFB3512/VRC	WHIP	4.0	400.0-512.0	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER)	80/25	20/6
3	SHAKESPEARE SFB3512/VRC	WHIP	4.0	400.0-512.0	10.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (FM LOS)	36/11	10/3
3	SHAKESPEARE SFB3512/VRC	WHIP	4.0	400.0-512.0	4.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (AM LOS)	23/7	10/3
3-1	FURUNO 1832	55-CM HYBRID ARRAY	28.0	9300.0-9440.0	1.92	FURUNO 1832 (3, 4, 6, 8, 12, 24, 36 NM RANGE)	11/3	10/3
3-1	FURUNO 1832	55-CM HYBRID ARRAY	28.0	9380.0-9440.0	1.44	FURUNO 1832 (1.5, 2, 3 NM RANGE)	10/3	10/3
3-1	FURUND 1832	55-CM HYBRID ARRAY	28.0	9380.0-9440.0	0.672	FURUNO 1832 (0.125, 0.25, 0.5, 1, 1.5 NM RANGE)	10/3	10/3
4	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30-60.0	400.0	AN/VRC-104(V)3 [AN/PRC-150(C)] (RF-5834H-PA 400 WATTS)	1141/348	285/87
4	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30-60.0	150.0	AN/VRC-104(V)3 [AN/PRC-150(C)] (150-WATT AMPLIFIER)	699/213	175/53
4	SHAKESPEARE SFB3512/VRC	WHIP	4.0	30-60.0	20.0	AN/VRC-104(V)3 [AN/PRC-150(C)] (W/O AMPLIFER)	255/78	64/19
N/A	AS-3449	WHIP	4.0	420.0-450.0	100.0	AN/KSQ-1	108/33	27/8
N/A	FURUNO 1834C (RSB-0071-057)	PRINTED WAVEGUIDE ARRAY	24.0	9380.0-9440.0	1.92	FURUNO 1834C (NAVNET VX2) ((3 TO 64 NM))	10/3	10/3
N/A	FURUNO 1834C (RSB-0071-057)	PRINTED WAVEGUIDE ARRAY	24.0	9380.0-9440.0	1.44	FURUNO 1834C (NAVNET VX2) ((1.5 TO 3 NM))	10/3	10/3

Antenna Locacion	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances HERO UNSAFE ORDNANCE (feet/meters)	Separation Distances HERO SUSCEPTIBLE ORDNANCE (feet/meters)
N/A	FURUNO 1834C (RSB-0071-057)	PRINTED WAVEGUIDE ARRAY	24.0	9380.0-9440.0	0.672	FURUNO 1834C (NAVNET VX2) ((0.125 TO 1.5 NM))	10/3	10/3
N/A	SHAKESPEARE GALAXY STYLE 5225-XT	WHIP	8.1	156.0-158.0	25.0	ICOM IC-M504	234/71	58/18
N/A	TRIVEC AVANT AV 2086	OMNI DIRECTIONAL ANTENNA	6.0	225-399.0	75.0	AN/VRC-103(V)1 [AN/PRC-117F(C)]	221/67	55/17
N/A	TRIVEC AVANT AV 2086	OMNI DIRECTIONAL ANTENNA	6.0	225-399.0	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (50-WATT AMPLIFIER)	180/55	45/14
N/A	TRIVEC AVANT AV 2086	OMNI DIRECTIONAL ANTENNA	6.0	225-399.0	20.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (FM LOS)	114/35	28/9
N/A	TRIVEC AVANT AV 2086	OMNI DIRECTIONAL ANTENNA	6.0	225-399.0	10.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (AM LOS)	81/25	20/6
N/A	TRIVEC AVANT AV 2086	OMNI DIRECTIONAL ANTENNA	6.0	292.0-318.0	75.0	AN/VRC-103(V)1 [AN/PRC-117F(C)]	170/52	42/13
N/A	TRIVEC AVANT AV 2086	OMNI DIRECTIONAL ANTENNA	6.0	292.0-318.0	50.0	AN/VRC-103(V)1 [AN/PRC-117F(C)] (SATCOM)	139/42	35/11
N/A	DIPOLE	DIPOLE	2.1	30.0-88.0	50.0	AN/VRC-90A	324/99	81/25
N/A	DIPOLE	DIPOLE	2.1	30.0-88.0	50.0	AN/VRC-89A	324/99	81/25
PORTABLE	AT-271A/PRC	WHIP	2.1	30.0-52.95	2.0	AN/PRC-77 (LOW BAND)	65/20	16/5
PORTABLE	AT-271A/PRC	WHIP	2.1	53.0-75.95	2.0	AN/PRC-77 (HIGH BAND)	65/20	16/5

M88 RECOVERY VEHICLE(M88 RECOVERY VEHICLE) Ground Platform

No Antennas have been specified for this ground craft.

	AS-3916	WHIP	-3.0	30.0-88.0	50.0	AN/VRC-89A	180/55	45/14

This platform currently does not have a saved Appendix A

* Do not allow antenna to touch ordnance items.

HERO Warning Label and Warning Symbol

The HERO warning label (white and olive drab versions shown below) shall be affixed to mobile and portable emitter systems such as radios and cellular phones. This warning label alerts the emitter operator to a potential hazard if the emitter is operated within the prescribed distance of ordnance operations.

HERO WARNING LABEL

The label has blank spaces for inserting HERO unsafe ordnance and HERO susceptible ordnance safe separation distances. The distances are obtained from enclosure (6) of this instruction for individual mobile or portable emitter systems.

The recommended HERO warning symbol is shown below. This symbol is placed at entry points to ordnance operations areas (e.g., missile assembly, ammunition pier, etc.) to alert operators of mobile and portable emitter systems such as radios and cellular phones to a potential hazard when using radios and cellular phones past this point. Guidance for manufacturing symbols is provided below.

HERO WARNING SYMBOL

Materials: Anodized aluminum, adhesive backing optional.

Colors: Base material of anodized silver background; black anodized messages in bottom triangle: alternating colored blocks of anodized red and yellow in a border surrounding black anodized logogram in top triangle.

Logogram: Design will be a pictorial presentation of a radar antenna consisting of a pylon with a dot simulating an antenna and concentric area simulating pulsed energy.

Wording: The title, WARNING: RADIO FREQUENCY HAZARD, is standard for all symbols; the messages in the lower triangle will vary according to particular situation; use of descriptive wording or warning information is the user's option.

Installation Call List for HERO EMCON

Explosive Safety Officer	910-451-6280
ASP OIC (HERO Officer)	910-451-4721
ASP Duty Tech	910-451-2949
MARSOC ASP SNCOIC (Hero Officer)	910-440-1055
II Marine Expeditionary Force (MEF) G-4 Ammo	910-450-7566
2D Marine Division (MARDIV) G-4 Ammo	910-451-8378
2D Marine Logistics Group (MLG) G-4 Ammo	910-451-1327
U.S. Marine Corps Forces, Special Operations Command (MARSOC) G-4 Ammo	910-440-1149
MARSOC G-6	910-440-0907
Fire Department	910-451-5815
Range Control (RCO)	910-451-3065
Blackburn (RCO)	910-451-3064
2D MARDIV Frequency Manager	910-451-8029
MCIEAST-MCB CAMLEJ G-6	910-451-8007

COMMAND DUTY OFFICERS	
II MEF	910-451-8138
2D MARDIV	910-451-8319
2D MLG	910-451-0850
MCIEAST-MCB CAMLEJ	910-451-2414
MARSOC	910-440-0938