

UNCLASSIFIED	
SECURITY SUMMARY & SPECIAL HANDLING REQUIREMENTS	
<p>The title of this application is : VORTEX</p> <p>The overall classification of this application is : UNCLASSIFIED</p>	
<p>Refer to your Security Manual for further guidance.</p>	
<p>The Application Level Special Handling is : A</p> <p>Approved for public release; distribution is unlimited (DoD Directive 5230.24)</p>	
DOWNGRADING INSTRUCTIONS	J/F 12/9626
	CLASSIFICATION UNCLASSIFIED
Special Handling Instruction : A	

SUMMARY PRINT FOR VORTEX

Selected Frequencies

(U) 1710.500 MHz - 1718.800 MHz

(U) 4400.000 MHz - 4940.000 MHz

(U) 1722.200 MHz - 1849.500 MHz

(U) 14401.00 MHz - 14829.00 MHz

(U) 2200.500 MHz - 2499.500 MHz

(U) 15150.00 MHz - 15350.00 MHz

System Name : (U) VORTEX**(Nomenclature)****Coord.ID/JF12 Num.** : J/F 12/9626**Stage** : (U) 3 - Developmental**Agency** : (U) AF - Department of the Air Force**NTIA Certified** : (U) No**Date Of Import** : 10/30/2012 1:19:17 PM (GMT)**Date/Time Last Mod.** : 10/30/2012 1:49:55 PM (GMT)**Overall Security** : Unclassified**System Description**

(U) Transmit and receive payload imagery data and associated meta-data.

Target Date:

System Approval & System Activation - ASAP

System Termination - NAvail

Geographic Areas for Stage 3

(U) DoD Insatallations in US&P (U) Polygon

(U) Grey Butte, (U) CA (U) Polygon

(U) Victorville, (U) California (U) Single Point

Lat/Lon : (U) 34 31'23"N 117 19'57"W

(U) Denver, (U) Colorado (U) Single Point

Lat/Lon : (U) 39 46'5"N 104 52'24"W

(U) CA, (U) El Mirage (U) Polygon

(U) TX, (U) Ellington Field (U) Polygon

(U) Idaho Falls, (U) Idaho (U) Single Point

Lat/Lon : (U) 43 29'34"N 112 2'9"W

(U) Hagerstown, (U) Maryland (U) Single Point

Lat/Lon : (U) 39 38'17"N 77 43'8"W

(U) St. Louis, (U) Missouri (U) Single Point

Lat/Lon : (U) 38 38'10"N 90 14'40"W

(U) St. Charles, (U) Missouri (U) Single Point

Lat/Lon : (U) 38 47'26"N 90 30'59"W

(U) Albuquerque, (U) New Mexico (U) Single Point

Lat/Lon : (U) 35 7'2"N 106 37'31"W

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(U) Greenville, (U) Texas (U) Single Point
Lat/Lon : (U) 33 7'1"N 96 6'5"W

(U) Houston, (U) Texas (U) Single Point
Lat/Lon : (U) 29 46'8"N 95 23'13"W

(U) McLean, (U) TX (U) Polygon

(U) Salt Lake City, (U) Utah (U) Single Point
Lat/Lon : (U) 40 46'38"N 111 55'50"W

(U) Bingen, (U) WA (U) Polygon

Predefined Trunking? : (U) No

Control Numbers

DOC. 39051/2

SPS- 18089/3

CoSS SPS- 18487/2

Certification of Spectrum Support Information**References**

Ref. To Cert. : False
Ref. ID : 18154/1
Ref. Title : Preliminary Assessment
Ref. Org. : (U) NTIA
Ref. Date : 9/6/2011
Ref. Is Class. : False

Type : Previous Certification
Ref. To Cert. : True
Ref. Title : AF - VORTEX - 3 - Unapproved - J/F 12
Ref. Org. : (U) AF
Ref. Date : 6/22/2011
Ref. Is Class. : False

Attachments

File Name : (U) AF Replacement Req Vortex.pdf

Recommending Official : Stephen J. Butcher
Title : Chairman Spectrum Planning Subcommittee
Certifying Official : Edward M. Davison
Title : Deputy Associate Administrator

Stations

Station Name : (U) Air

Transmitters

Nomenclature : (U) Vortex UHF Tx
Nomenclature : (U) Vortex L-Band Tx Video
Nomenclature : (U) Vortex L-Band Tx
Nomenclature : (U) Vortex S-Band Tx Video

SUMMARY PRINT FOR VORTEX

Nomenclature : (U) Vortex S-Band Tx
Nomenclature : (U) Vortex C-Band Tx Video
Nomenclature : (U) Vortex C-Band Tx
Nomenclature : (U) Vortex Ku-Band

Receivers

Nomenclature : (U) Vortex UHF Rx
Nomenclature : (U) Vortex L-Band Rx
Nomenclature : (U) Vortex S-Band Rx
Nomenclature : (U) Vortex C-Band Rx
Nomenclature : (U) Vortex Ku-Band

Antennas

Nomenclature : (U) Vortex UHF Blade
Nomenclature : (U) Vortex L-Band Blade
Nomenclature : (U) Vortex S Band
Nomenclature : (U) Vortex C-Band
Nomenclature : (U) S/L-band Omni-Direc, S65-5366-40
Nomenclature : (U) C-band Omni-Direc, S65-5366-63
Nomenclature : (U) Ku-Band Bicone
Nomenclature : (U) Ku-Band Omni
Nomenclature : (U) GTA-17/24
Nomenclature : (U) Multi Band Antenna
Nomenclature : (U) P/N S65-5366-39 S-Band Portion
Nomenclature : (U) P/N S65-5366-39 C-Band Portion

Station Name : (U) Land Mobile/Portable

Transmitters

Nomenclature : (U) Vortex UHF Tx
Nomenclature : (U) Vortex L-Band Tx Video
Nomenclature : (U) Vortex L-Band Tx
Nomenclature : (U) Vortex S-Band Tx Video
Nomenclature : (U) Vortex S-Band Tx
Nomenclature : (U) Vortex C-Band Tx Video
Nomenclature : (U) Vortex C-Band Tx
Nomenclature : (U) Vortex Ku-Band

Receivers

Nomenclature : (U) Vortex UHF Rx
Nomenclature : (U) Vortex L-Band Rx
Nomenclature : (U) Vortex S-Band Rx
Nomenclature : (U) Vortex C-Band Rx
Nomenclature : (U) Vortex Ku-Band

Antennas

Nomenclature : (U) Vortex UHF Blade
Nomenclature : (U) Vortex L-Band Blade
Nomenclature : (U) Vortex S Band
Nomenclature : (U) Vortex C-Band
Nomenclature : (U) S/L-band Omni-Directional
Nomenclature : (U) C-band Omni-Directional
Nomenclature : (U) Ku-Band Bicone
Nomenclature : (U) Ku-Band Omni

Station Name : (U) Generic Mobile - Generic

SUMMARY PRINT FOR VORTEX

Station Name : (U) HQ Generic - Generic

Selected Modes**Link****Transmitting Station**

(U) Air

Receiving Station

(U) HQ Generic - Generic

Radio Service : Aeronautical Mobile

Station Classes : MA

Equipment Combination

Transmitter : (U) Vortex C-Band Tx

Tx Antenna : (U) C-band Omni-Direc,S65-5366-63

Receiver : Generic

Rx Antenna : Generic

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 4400.000 MHz - 4940.000 MHz

(U) 470KF1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 9M58G1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 4M79G1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 2M40G1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 1M62F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 8M10F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 6M48F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 4M05F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 1M94F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 1M56F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 1M23F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 972KF1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 810KF1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 720KF1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 520KF1D

(U) 80.0 W Mean

PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx

Tx Antenna : (U) Vortex C-Band

Receiver : Generic

Rx Antenna : Generic

Selected Modes**Frequency****Em. Des****Power****Notes**

(U) 4400.000 MHz - 4940.000 MHz

(U) 8M10F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 1M94F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 1M56F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 4M05F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 1M23F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 6M48F1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 972KF1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 810KF1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 9M58G1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 520KF1D

(U) 80.0 W Mean

PRI

(U) 4400.000 MHz - 4940.000 MHz

(U) 1M62F1D

(U) 80.0 W Mean

PRI

SUMMARY PRINT FOR VORTEX

(U) 4400.000 MHz - 4940.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx Video
Tx Antenna : (U) C-band Omni-Direc,S65-5366-63
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4410.000 MHz - 4940.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx Video
Tx Antenna : (U) Vortex C-Band
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4410.000 MHz - 4940.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex Ku-Band
Tx Antenna : (U) Ku-Band Bicone
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	PRI

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(U) 14800.00 MHz - 14829.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC

Equipment Combination

Transmitter : (U) Vortex Ku-Band
Tx Antenna : (U) Ku-Band Omni
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 14401.00 MHz - 14800.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC

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(U) 14401.00 MHz - 14800.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 14800.00 MHz - 14829.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	PRI
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC

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Equipment Combination

Transmitter : (U) Vortex L-Band Tx
Tx Antenna : (U) S/L-band Omni-Direc, S65-5366-40
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx
Tx Antenna : (U) Vortex L-Band Blade
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI

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(U) 1710.500 MHz - 1718.800 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx Video
Tx Antenna : (U) S/L-band Omni-Direc, S65-5366-40
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1722.200 MHz - 1840.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx Video
Tx Antenna : (U) Vortex L-Band Blade
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1722.200 MHz - 1840.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex S-Band Tx
Tx Antenna : (U) S/L-band Omni-Direc, S65-5366-40
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI

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(U) 2200.500 MHz - 2290.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	[1]
(U) 2290.000 MHz - 2499.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	[2]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	[3]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	[4]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	[5]
(U) 2290.000 MHz - 2499.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	[6]
(U) 2290.000 MHz - 2499.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	[7]
(U) 2290.000 MHz - 2499.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	[8]
(U) 2290.000 MHz - 2499.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	[9]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	[10]
(U) 2290.000 MHz - 2499.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	[11]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	[12]
(U) 2290.000 MHz - 2499.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	[13]
(U) 2290.000 MHz - 2499.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	[14]
(U) 2290.000 MHz - 2499.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	[15]

[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

[2] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

[3] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

[4] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and

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training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

- [5] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [6] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [7] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [8] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [9] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [10] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique

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global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

- [11] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [12] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [13] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [14] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [15] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

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Equipment Combination

Transmitter : (U) Vortex S-Band Tx
Tx Antenna : (U) Vortex S Band
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	[1]
(U) 2290.000 MHz - 2499.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	[2]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	[3]
(U) 2290.000 MHz - 2499.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	[4]
(U) 2290.000 MHz - 2499.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	[5]
(U) 2290.000 MHz - 2499.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	[6]
(U) 2290.000 MHz - 2499.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	[7]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	[8]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	[9]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	[10]
(U) 2290.000 MHz - 2499.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	[11]
(U) 2290.000 MHz - 2499.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	[12]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	[13]
(U) 2290.000 MHz - 2499.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	[14]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	[15]

[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

[2] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any

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bands determined to be avoided through coordination.

- [3] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.
- [4] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.
- [5] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.
- [6] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.
- [7] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.
- [8] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any

SUMMARY PRINT FOR VORTEX

bands determined to be avoided through coordination.

- [9] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.
- [10] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.
- [11] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.
- [12] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.
- [13] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.
- [14] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any

SUMMARY PRINT FOR VORTEX

bands determined to be avoided through coordination.

- [15] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

Equipment Combination

Transmitter : (U) Vortex S-Band Tx Video
 Tx Antenna : (U) S/L-band Omni-Direc, S65-5366-40
 Receiver : Generic
 Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	[1]
[1] (U)	While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.		

Equipment Combination

Transmitter : (U) Vortex S-Band Tx Video
 Tx Antenna : (U) Vortex S Band
 Receiver : Generic
 Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	[1]
[1] (U)	While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.		

SUMMARY PRINT FOR VORTEX

LinkTransmitting Station

(U) Air

Receiving Station

(U) Land Mobile/Portable

Radio Service : Aeronautical Mobile

Station Classes : MA

Equipment Combination

Transmitter : (U) Vortex C-Band Tx

Tx Antenna : (U) C-band Omni-Direc,S65-5366-63

Receiver : (U) Vortex C-Band Rx

Rx Antenna : (U) C-band Omni-Directional

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4400.000 MHz - 4940.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx

Tx Antenna : (U) C-band Omni-Direc,S65-5366-63

Receiver : (U) Vortex C-Band Rx

Rx Antenna : (U) Vortex C-Band

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4400.000 MHz - 4940.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI

SUMMARY PRINT FOR VORTEX

Equipment Combination

Transmitter : (U) Vortex C-Band Tx
 Tx Antenna : (U) Vortex C-Band
 Receiver : (U) Vortex C-Band Rx
 Rx Antenna : (U) C-band Omni-Directional

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx
 Tx Antenna : (U) Vortex C-Band
 Receiver : (U) Vortex C-Band Rx
 Rx Antenna : (U) Vortex C-Band

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx Video
 Tx Antenna : (U) C-band Omni-Direc,S65-5366-63
 Receiver : (U) Vortex C-Band Rx

SUMMARY PRINT FOR VORTEX

Rx Antenna : (U) C-band Omni-Directional

Selected ModesFrequency

(U) 4410.000 MHz - 4940.000 MHz

Em. Des

(U) 18M5F9W

Power

(U) 80.0 W Mean

Notes

PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx Video
 Tx Antenna : (U) C-band Omni-Direc,S65-5366-63
 Receiver : (U) Vortex C-Band Rx
 Rx Antenna : (U) Vortex C-Band

Selected ModesFrequency

(U) 4410.000 MHz - 4940.000 MHz

Em. Des

(U) 18M5F9W

Power

(U) 80.0 W Mean

Notes

PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx Video
 Tx Antenna : (U) Vortex C-Band
 Receiver : (U) Vortex C-Band Rx
 Rx Antenna : (U) C-band Omni-Directional

Selected ModesFrequency

(U) 4410.000 MHz - 4940.000 MHz

Em. Des

(U) 18M5F9W

Power

(U) 80.0 W Mean

Notes

PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx Video
 Tx Antenna : (U) Vortex C-Band
 Receiver : (U) Vortex C-Band Rx
 Rx Antenna : (U) Vortex C-Band

Selected ModesFrequency

(U) 4410.000 MHz - 4940.000 MHz

Em. Des

(U) 18M5F9W

Power

(U) 80.0 W Mean

Notes

PRI

Equipment Combination

Transmitter : (U) Vortex Ku-Band
 Tx Antenna : (U) Ku-Band Bicone
 Receiver : (U) Vortex Ku-Band
 Rx Antenna : (U) Ku-Band Bicone

Selected ModesFrequency

(U) 14401.00 MHz - 14800.00 MHz

Em. Des

(U) 6M48F1D

Power

(U) 80.0 W Mean

Notes

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 9M58G1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 810KF1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 2M40G1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 972KF1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 1M62F1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 1M23F1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 64M0G1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 4M05F1D

(U) 80.0 W Mean

SEC

SUMMARY PRINT FOR VORTEX

(U) 14401.00 MHz - 14800.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 14800.00 MHz - 14829.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	PRI
(U) 15150.00 MHz - 15350.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC

Equipment Combination

SUMMARY PRINT FOR VORTEX

Transmitter : (U) Vortex Ku-Band
Tx Antenna : (U) Ku-Band Bicone
Receiver : (U) Vortex Ku-Band
Rx Antenna : (U) Ku-Band Omni

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 14401.00 MHz - 14800.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 14800.00 MHz - 14829.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC

SUMMARY PRINT FOR VORTEX

(U) 15150.00 MHz - 15350.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC

Equipment Combination

Transmitter : (U) Vortex Ku-Band
Tx Antenna : (U) Ku-Band Omni
Receiver : (U) Vortex Ku-Band
Rx Antenna : (U) Ku-Band Bicone

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 14800.00 MHz - 14829.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI

SUMMARY PRINT FOR VORTEX

(U) 14800.00 MHz - 14829.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	PRI
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC

Equipment Combination

Transmitter : (U) Vortex Ku-Band
Tx Antenna : (U) Ku-Band Omni
Receiver : (U) Vortex Ku-Band
Rx Antenna : (U) Ku-Band Omni

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 14401.00 MHz - 14800.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC

SUMMARY PRINT FOR VORTEX

(U) 14401.00 MHz - 14800.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC

Equipment Combination

Transmitter : (U) Vortex L-Band Tx
Tx Antenna : (U) S/L-band Omni-Direc, S65-5366-40
Receiver : (U) Vortex L-Band Rx
Rx Antenna : (U) Vortex L-Band Blade

SUMMARY PRINT FOR VORTEX

Selected ModesFrequencyEm. DesPowerNotes

(U) 1710.500 MHz - 1718.800 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx
Tx Antenna : (U) Vortex L-Band Blade
Receiver : (U) Vortex L-Band Rx
Rx Antenna : (U) S/L-band Omni-Directional

Selected ModesFrequencyEm. DesPowerNotes

(U) 1710.500 MHz - 1718.800 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI

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(U) 1710.500 MHz - 1718.800 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx
Tx Antenna : (U) Vortex L-Band Blade
Receiver : (U) Vortex L-Band Rx
Rx Antenna : (U) Vortex L-Band Blade

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI

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(U) 1722.200 MHz - 1849.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter	:	(U) Vortex L-Band Tx Video
Tx Antenna	:	(U) S/L-band Omni-Direc, S65-5366-40
Receiver	:	(U) Vortex L-Band Rx
Rx Antenna	:	(U) S/L-band Omni-Directional

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1722.200 MHz - 1840.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter	:	(U) Vortex L-Band Tx Video
Tx Antenna	:	(U) S/L-band Omni-Direc, S65-5366-40
Receiver	:	(U) Vortex L-Band Rx
Rx Antenna	:	(U) Vortex L-Band Blade

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1722.200 MHz - 1840.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter	:	(U) Vortex L-Band Tx Video
Tx Antenna	:	(U) Vortex L-Band Blade
Receiver	:	(U) Vortex L-Band Rx
Rx Antenna	:	(U) Vortex L-Band Blade

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1722.200 MHz - 1840.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter	:	(U) Vortex S-Band Tx
Tx Antenna	:	(U) S/L-band Omni-Direc, S65-5366-40
Receiver	:	(U) Vortex S-Band Rx
Rx Antenna	:	(U) S/L-band Omni-Directional

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI

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(U) 2200.500 MHz - 2290.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	[1]
(U) 2290.000 MHz - 2499.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	[2]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	[3]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	[4]
(U) 2290.000 MHz - 2499.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	[5]
(U) 2290.000 MHz - 2499.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	[6]
(U) 2290.000 MHz - 2499.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	[7]
(U) 2290.000 MHz - 2499.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	[8]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	[9]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	[10]
(U) 2290.000 MHz - 2499.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	[11]
(U) 2290.000 MHz - 2499.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	[12]
(U) 2290.000 MHz - 2499.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	[13]
(U) 2290.000 MHz - 2499.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	[14]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	[15]
[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.			
[2] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.			
[3] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.			
[4] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.			

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- [5] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [6] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [7] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [8] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [9] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [10] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any

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bands determined to be avoided through coordination.

[11] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.

[12] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.

[13] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.

[14] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.

[15] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.

Equipment Combination

Transmitter	:	(U) Vortex S-Band Tx
Tx Antenna	:	(U) S/L-band Omni-Direc, S65-5366-40
Receiver	:	(U) Vortex S-Band Rx
Rx Antenna	:	(U) Vortex S Band

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Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	[1]
(U) 2290.000 MHz - 2499.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	[2]
(U) 2290.000 MHz - 2499.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	[3]
(U) 2290.000 MHz - 2499.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	[4]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	[5]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	[6]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	[7]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	[8]
(U) 2290.000 MHz - 2499.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	[9]
(U) 2290.000 MHz - 2499.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	[10]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	[11]
(U) 2290.000 MHz - 2499.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	[12]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	[13]
(U) 2290.000 MHz - 2499.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	[14]
(U) 2290.000 MHz - 2499.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	[15]

[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

[2] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

[3] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique

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global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

- [4] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [5] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [6] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [7] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [8] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [9] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are

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not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any

bands determined to be avoided through coordination.

- [10] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
- bands determined to be avoided through coordination.

- [11] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
- bands determined to be avoided through coordination.

- [12] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
- bands determined to be avoided through coordination.

- [13] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
- bands determined to be avoided through coordination.

- [14] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
- bands determined to be avoided through coordination.

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- [15] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

Equipment Combination

Transmitter : (U) Vortex S-Band Tx
 Tx Antenna : (U) Vortex S Band
 Receiver : (U) Vortex S-Band Rx
 Rx Antenna : (U) Vortex S Band

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	[1]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	[2]
(U) 2290.000 MHz - 2499.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	[3]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	[4]
(U) 2290.000 MHz - 2499.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	[5]
(U) 2290.000 MHz - 2499.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	[6]
(U) 2290.000 MHz - 2499.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	[7]
(U) 2290.000 MHz - 2499.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	[8]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	[9]
(U) 2290.000 MHz - 2499.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	[10]
(U) 2290.000 MHz - 2499.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	[11]
(U) 2290.000 MHz - 2499.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	[12]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	[13]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	[14]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	[15]

- [1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure

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conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

- [2] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [3] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [4] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [5] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [6] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [7] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in

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these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

- [8] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [9] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [10] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [11] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [12] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [13] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and

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training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

[14] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

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Equipment Combination

Transmitter : (U) Vortex S-Band Tx Video
 Tx Antenna : (U) S/L-band Omni-Direc, S65-5366-40
 Receiver : (U) Vortex S-Band Rx
 Rx Antenna : (U) S/L-band Omni-Directional

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	[1]

[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

Equipment Combination

Transmitter : (U) Vortex S-Band Tx Video
 Tx Antenna : (U) S/L-band Omni-Direc, S65-5366-40
 Receiver : (U) Vortex S-Band Rx
 Rx Antenna : (U) Vortex S Band

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Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	[1]
[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.			

Equipment Combination

Transmitter	:	(U) Vortex S-Band Tx Video
Tx Antenna	:	(U) Vortex S Band
Receiver	:	(U) Vortex S-Band Rx
Rx Antenna	:	(U) Vortex S Band

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	[1]
[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.			

Link**Transmitting Station**

(U) Land Mobile/Portable

Receiving Station

(U) Air

Radio Service	:	Aeronautical Mobile
Station Classes	:	MO

Equipment Combination

Transmitter	:	(U) Vortex C-Band Tx
Tx Antenna	:	(U) C-band Omni-Directional
Receiver	:	(U) Vortex C-Band Rx
Rx Antenna	:	(U) C-band Omni-Direc,S65-5366-63

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI

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(U) 4400.000 MHz - 4940.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx
Tx Antenna : (U) C-band Omni-Directional
Receiver : (U) Vortex C-Band Rx
Rx Antenna : (U) Vortex C-Band

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4400.000 MHz - 4940.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx
Tx Antenna : (U) Vortex C-Band
Receiver : (U) Vortex C-Band Rx
Rx Antenna : (U) C-band Omni-Direc,S65-5366-63

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4400.000 MHz - 4940.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI

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(U) 4400.000 MHz - 4940.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx
Tx Antenna : (U) Vortex C-Band
Receiver : (U) Vortex C-Band Rx
Rx Antenna : (U) Vortex C-Band

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx Video
Tx Antenna : (U) C-band Omni-Directional
Receiver : (U) Vortex C-Band Rx
Rx Antenna : (U) C-band Omni-Direc,S65-5366-63

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4410.000 MHz - 4940.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx Video
Tx Antenna : (U) C-band Omni-Directional
Receiver : (U) Vortex C-Band Rx
Rx Antenna : (U) Vortex C-Band

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4410.000 MHz - 4940.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx Video
Tx Antenna : (U) Vortex C-Band

SUMMARY PRINT FOR VORTEX

Receiver : (U) Vortex C-Band Rx
 Rx Antenna : (U) C-band Omni-Direc,S65-5366-63

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4410.000 MHz - 4940.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx Video
 Tx Antenna : (U) Vortex C-Band
 Receiver : (U) Vortex C-Band Rx
 Rx Antenna : (U) Vortex C-Band

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 4410.000 MHz - 4940.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex Ku-Band
 Tx Antenna : (U) Ku-Band Bicone
 Receiver : (U) Vortex Ku-Band
 Rx Antenna : (U) Ku-Band Bicone

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 14401.00 MHz - 14800.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	PRI

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(U) 14800.00 MHz - 14829.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC

Equipment Combination

Transmitter : (U) Vortex Ku-Band
Tx Antenna : (U) Ku-Band Bicone
Receiver : (U) Vortex Ku-Band
Rx Antenna : (U) Ku-Band Omni

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 14401.00 MHz - 14800.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC

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(U) 14401.00 MHz - 14800.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 14800.00 MHz - 14829.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 15150.00 MHz - 15350.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC

Equipment Combination

Transmitter : (U) Vortex Ku-Band
Tx Antenna : (U) Ku-Band Omni
Receiver : (U) Vortex Ku-Band

SUMMARY PRINT FOR VORTEX

Rx Antenna : (U) Ku-Band Bicone

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 14800.00 MHz - 14829.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 15150.00 MHz - 15350.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC

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(U) 15150.00 MHz - 15350.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC

Equipment Combination

Transmitter : (U) Vortex Ku-Band
Tx Antenna : (U) Ku-Band Omni
Receiver : (U) Vortex Ku-Band
Rx Antenna : (U) Ku-Band Omni

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 14401.00 MHz - 14800.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 14800.00 MHz - 14829.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI

SUMMARY PRINT FOR VORTEX

(U) 14800.00 MHz - 14829.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 15150.00 MHz - 15350.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC

Equipment Combination

Transmitter : (U) Vortex L-Band Tx
Tx Antenna : (U) S/L-band Omni-Directional
Receiver : (U) Vortex L-Band Rx
Rx Antenna : (U) S/L-band Omni-Direc, S65-5366-40

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1710.500 MHz - 1718.800 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI

SUMMARY PRINT FOR VORTEX

(U) 1722.200 MHz - 1849.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx
Tx Antenna : (U) S/L-band Omni-Directional
Receiver : (U) Vortex L-Band Rx
Rx Antenna : (U) Vortex L-Band Blade

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx

SUMMARY PRINT FOR VORTEX

Tx Antenna : (U) Vortex L-Band Blade
Receiver : (U) Vortex L-Band Rx
Rx Antenna : (U) S/L-band Omni-Direc, S65-5366-40

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1710.500 MHz - 1718.800 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx
Tx Antenna : (U) Vortex L-Band Blade
Receiver : (U) Vortex L-Band Rx
Rx Antenna : (U) Vortex L-Band Blade

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI

SUMMARY PRINT FOR VORTEX

(U) 1710.500 MHz - 1718.800 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx Video
Tx Antenna : (U) S/L-band Omni-Directional
Receiver : (U) Vortex L-Band Rx
Rx Antenna : (U) S/L-band Omni-Direc, S65-5366-40

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1722.200 MHz - 1840.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx Video
Tx Antenna : (U) S/L-band Omni-Directional
Receiver : (U) Vortex L-Band Rx
Rx Antenna : (U) Vortex L-Band Blade

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1722.200 MHz - 1840.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx Video
Tx Antenna : (U) Vortex L-Band Blade
Receiver : (U) Vortex L-Band Rx
Rx Antenna : (U) S/L-band Omni-Direc, S65-5366-40

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1722.200 MHz - 1840.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx Video

SUMMARY PRINT FOR VORTEX

Tx Antenna : (U) Vortex L-Band Blade
Receiver : (U) Vortex L-Band Rx
Rx Antenna : (U) Vortex L-Band Blade

Selected ModesFrequency

(U) 1722.200 MHz - 1840.500 MHz

Em. Des

(U) 18M5F9W

Power

(U) 80.0 W Mean

Notes

PRI

Equipment Combination

Transmitter : (U) Vortex S-Band Tx
Tx Antenna : (U) S/L-band Omni-Directional
Receiver : (U) Vortex S-Band Rx
Rx Antenna : (U) S/L-band Omni-Direc, S65-5366-40

Selected ModesFrequency

(U) 2200.500 MHz - 2290.000 MHz

Em. Des

(U) 1M62F1D

Power

(U) 80.0 W Mean

Notes

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 810KF1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 4M79G1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 520KF1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 972KF1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 1M23F1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 1M56F1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 1M94F1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 4M05F1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 6M48F1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 8M10F1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 2M40G1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 9M58G1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 470KF1D

(U) 80.0 W Mean

PRI

(U) 2200.500 MHz - 2290.000 MHz

(U) 720KF1D

(U) 80.0 W Mean

PRI

(U) 2290.000 MHz - 2499.500 MHz

(U) 8M10F1D

(U) 80.0 W Mean

[1]

(U) 2290.000 MHz - 2499.500 MHz

(U) 470KF1D

(U) 80.0 W Mean

[2]

(U) 2290.000 MHz - 2499.500 MHz

(U) 720KF1D

(U) 80.0 W Mean

[3]

(U) 2290.000 MHz - 2499.500 MHz

(U) 520KF1D

(U) 80.0 W Mean

[4]

(U) 2290.000 MHz - 2499.500 MHz

(U) 810KF1D

(U) 80.0 W Mean

[5]

(U) 2290.000 MHz - 2499.500 MHz

(U) 972KF1D

(U) 80.0 W Mean

[6]

(U) 2290.000 MHz - 2499.500 MHz

(U) 1M23F1D

(U) 80.0 W Mean

[7]

(U) 2290.000 MHz - 2499.500 MHz

(U) 1M56F1D

(U) 80.0 W Mean

[8]

(U) 2290.000 MHz - 2499.500 MHz

(U) 1M94F1D

(U) 80.0 W Mean

[9]

(U) 2290.000 MHz - 2499.500 MHz

(U) 6M48F1D

(U) 80.0 W Mean

[10]

(U) 2290.000 MHz - 2499.500 MHz

(U) 1M62F1D

(U) 80.0 W Mean

[11]

(U) 2290.000 MHz - 2499.500 MHz

(U) 2M40G1D

(U) 80.0 W Mean

[12]

(U) 2290.000 MHz - 2499.500 MHz

(U) 4M79G1D

(U) 80.0 W Mean

[13]

(U) 2290.000 MHz - 2499.500 MHz

(U) 9M58G1D

(U) 80.0 W Mean

[14]

(U) 2290.000 MHz - 2499.500 MHz

(U) 4M05F1D

(U) 80.0 W Mean

[15]

[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any

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bands determined to be avoided through coordination.

- [2] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
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- [4] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
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- [5] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
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- [6] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
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- [7] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any

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- [8] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
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- [9] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
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- [10] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
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- [11] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
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bands determined to be avoided through coordination.

- [14] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

- [15] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

Equipment Combination

Transmitter : (U) Vortex S-Band Tx
 Tx Antenna : (U) S/L-band Omni-Directional
 Receiver : (U) Vortex S-Band Rx
 Rx Antenna : (U) Vortex S Band

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	[1]
(U) 2290.000 MHz - 2499.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	[2]
(U) 2290.000 MHz - 2499.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	[3]
(U) 2290.000 MHz - 2499.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	[4]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	[5]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	[6]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	[7]
(U) 2290.000 MHz - 2499.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	[8]
(U) 2290.000 MHz - 2499.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	[9]

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- | | | | |
|---------------------------------|-------------|-----------------|------|
| (U) 2290.000 MHz - 2499.500 MHz | (U) 470KF1D | (U) 80.0 W Mean | [10] |
| (U) 2290.000 MHz - 2499.500 MHz | (U) 810KF1D | (U) 80.0 W Mean | [11] |
| (U) 2290.000 MHz - 2499.500 MHz | (U) 4M05F1D | (U) 80.0 W Mean | [12] |
| (U) 2290.000 MHz - 2499.500 MHz | (U) 1M62F1D | (U) 80.0 W Mean | [13] |
| (U) 2290.000 MHz - 2499.500 MHz | (U) 520KF1D | (U) 80.0 W Mean | [14] |
| (U) 2290.000 MHz - 2499.500 MHz | (U) 720KF1D | (U) 80.0 W Mean | [15] |
- [1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
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- [11] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
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- bands determined to be avoided through coordination.

Equipment Combination

Transmitter : (U) Vortex S-Band Tx
 Tx Antenna : (U) Vortex S Band
 Receiver : (U) Vortex S-Band Rx
 Rx Antenna : (U) S/L-band Omni-Direc, S65-5366-40

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI

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(U) 2200.500 MHz - 2290.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	[1]
(U) 2290.000 MHz - 2499.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	[2]
(U) 2290.000 MHz - 2499.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	[3]
(U) 2290.000 MHz - 2499.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	[4]
(U) 2290.000 MHz - 2499.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	[5]
(U) 2290.000 MHz - 2499.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	[6]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	[7]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	[8]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	[9]
(U) 2290.000 MHz - 2499.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	[10]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	[11]
(U) 2290.000 MHz - 2499.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	[12]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	[13]
(U) 2290.000 MHz - 2499.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	[14]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	[15]
[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.			
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these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

- [11] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [12] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [13] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [14] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [15] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

Equipment Combination**Transmitter**

: (U) Vortex S-Band Tx

SUMMARY PRINT FOR VORTEX

Tx Antenna : (U) Vortex S Band
 Receiver : (U) Vortex S-Band Rx
 Rx Antenna : (U) Vortex S Band

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2290.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	[1]
(U) 2290.000 MHz - 2499.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	[2]
(U) 2290.000 MHz - 2499.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	[3]
(U) 2290.000 MHz - 2499.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	[4]
(U) 2290.000 MHz - 2499.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	[5]
(U) 2290.000 MHz - 2499.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	[6]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	[7]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	[8]
(U) 2290.000 MHz - 2499.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	[9]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	[10]
(U) 2290.000 MHz - 2499.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	[11]
(U) 2290.000 MHz - 2499.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	[12]
(U) 2290.000 MHz - 2499.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	[13]
(U) 2290.000 MHz - 2499.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	[14]
(U) 2290.000 MHz - 2499.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	[15]

[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

[2] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.

SUMMARY PRINT FOR VORTEX

- [3] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [4] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [5] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [6] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [7] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [8] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any

SUMMARY PRINT FOR VORTEX

bands determined to be avoided through coordination.

- [9] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
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- [10] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.
- [11] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
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- [12] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.
- [13] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
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- [14] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any

SUMMARY PRINT FOR VORTEX

bands determined to be avoided through coordination.

- [15] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any
bands determined to be avoided through coordination.

Equipment Combination

Transmitter : (U) Vortex S-Band Tx Video
Tx Antenna : (U) S/L-band Omni-Directional
Receiver : (U) Vortex S-Band Rx
Rx Antenna : (U) S/L-band Omni-Direc, S65-5366-40

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	[1]
[1] (U)	While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.		

Equipment Combination

Transmitter : (U) Vortex S-Band Tx Video
Tx Antenna : (U) S/L-band Omni-Directional
Receiver : (U) Vortex S-Band Rx
Rx Antenna : (U) Vortex S Band

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	[1]
[1] (U)	While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.		

Equipment Combination

SUMMARY PRINT FOR VORTEX

Transmitter : (U) Vortex S-Band Tx Video
Tx Antenna : (U) Vortex S Band
Receiver : (U) Vortex S-Band Rx
Rx Antenna : (U) S/L-band Omni-Direc, S65-5366-40

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	[1]
[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.			

Equipment Combination

Transmitter : (U) Vortex S-Band Tx Video
Tx Antenna : (U) Vortex S Band
Receiver : (U) Vortex S-Band Rx
Rx Antenna : (U) Vortex S Band

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2290.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI
(U) 2290.000 MHz - 2499.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	[1]
[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.			

Link**Transmitting Station**

(U) Land Mobile/Portable

Radio Service : Land Mobile
Station Classes : ML, MLP

Receiving Station

(U) Generic Mobile - Generic

Equipment Combination

Transmitter : (U) Vortex C-Band Tx
Tx Antenna : (U) C-band Omni-Directional
Receiver : Generic
Rx Antenna : Generic

SUMMARY PRINT FOR VORTEX

Selected ModesFrequencyEm. DesPowerNotes

(U) 4400.000 MHz - 4940.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx
 Tx Antenna : (U) Vortex C-Band
 Receiver : Generic
 Rx Antenna : Generic

Selected ModesFrequencyEm. DesPowerNotes

(U) 4400.000 MHz - 4940.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 4400.000 MHz - 4940.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex C-Band Tx Video
 Tx Antenna : (U) C-band Omni-Directional
 Receiver : Generic
 Rx Antenna : Generic

Selected ModesFrequencyEm. DesPowerNotes

(U) 4410.000 MHz - 4940.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI
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Equipment Combination

Transmitter : (U) Vortex C-Band Tx Video

SUMMARY PRINT FOR VORTEX

Tx Antenna : (U) Vortex C-Band
Receiver : Generic
Rx Antenna : Generic

Selected Modes**Frequency**

(U) 4410.000 MHz - 4940.000 MHz

Em. Des

(U) 18M5F9W

Power

(U) 80.0 W Mean

Notes

PRI

Equipment Combination

Transmitter : (U) Vortex Ku-Band
Tx Antenna : (U) Ku-Band Bicone
Receiver : Generic
Rx Antenna : Generic

Selected Modes**Frequency**

(U) 14401.00 MHz - 14800.00 MHz

Em. Des

(U) 520KF1D

Power

(U) 80.0 W Mean

Notes

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 64M0G1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 720KF1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 21M4G1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 9M58G1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 42M8G1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 470KF1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 89M5G1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 8M00G1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 810KF1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 972KF1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 1M23F1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 2M40G1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 1M56F1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 4M79G1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 1M62F1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 8M10F1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 6M48F1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 4M05F1D

(U) 80.0 W Mean

SEC

(U) 14401.00 MHz - 14800.00 MHz

(U) 1M94F1D

(U) 80.0 W Mean

SEC

(U) 14800.00 MHz - 14829.00 MHz

(U) 4M79G1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 470KF1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 1M23F1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 720KF1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 42M8G1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 972KF1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 9M58G1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 8M00G1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 810KF1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 21M4G1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 64M0G1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 520KF1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 89M5G1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 1M94F1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 1M62F1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 8M10F1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 6M48F1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 4M05F1D

(U) 80.0 W Mean

PRI

(U) 14800.00 MHz - 14829.00 MHz

(U) 1M56F1D

(U) 80.0 W Mean

PRI

SUMMARY PRINT FOR VORTEX

(U) 14800.00 MHz - 14829.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC

Equipment Combination

Transmitter : (U) Vortex Ku-Band
Tx Antenna : (U) Ku-Band Omni
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 14401.00 MHz - 14800.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 14800.00 MHz - 14829.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI

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(U) 14800.00 MHz - 14829.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 14800.00 MHz - 14829.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M56F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M94F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M23F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 21M4G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 972KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 2M40G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M05F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 6M48F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M10F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 1M62F1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 4M79G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 9M58G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 8M00G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 42M8G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 89M5G1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 810KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 520KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 720KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 470KF1D	(U) 80.0 W Mean	SEC
(U) 15150.00 MHz - 15350.00 MHz	(U) 64M0G1D	(U) 80.0 W Mean	SEC

Equipment Combination

Transmitter : (U) Vortex L-Band Tx
Tx Antenna : (U) S/L-band Omni-Directional
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1710.500 MHz - 1718.800 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI

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(U) 1710.500 MHz - 1718.800 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx
Tx Antenna : (U) Vortex L-Band Blade
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1710.500 MHz - 1718.800 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1710.500 MHz - 1718.800 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI

SUMMARY PRINT FOR VORTEX

(U) 1722.200 MHz - 1849.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 1722.200 MHz - 1849.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx Video
Tx Antenna : (U) S/L-band Omni-Directional
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1722.200 MHz - 1840.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex L-Band Tx Video
Tx Antenna : (U) Vortex L-Band Blade
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 1722.200 MHz - 1840.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI

Equipment Combination

Transmitter : (U) Vortex S-Band Tx
Tx Antenna : (U) S/L-band Omni-Directional
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2300.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 2300.000 MHz - 2499.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	[1]
(U) 2300.000 MHz - 2499.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	[2]
(U) 2300.000 MHz - 2499.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	[3]
(U) 2300.000 MHz - 2499.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	[4]
(U) 2300.000 MHz - 2499.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	[5]
(U) 2300.000 MHz - 2499.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	[6]
(U) 2300.000 MHz - 2499.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	[7]
(U) 2300.000 MHz - 2499.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	[8]

SUMMARY PRINT FOR VORTEX

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|---------------------------------|-------------|-----------------|------|
| (U) 2300.000 MHz - 2499.500 MHz | (U) 6M48F1D | (U) 80.0 W Mean | [9] |
| (U) 2300.000 MHz - 2499.500 MHz | (U) 1M62F1D | (U) 80.0 W Mean | [10] |
| (U) 2300.000 MHz - 2499.500 MHz | (U) 4M79G1D | (U) 80.0 W Mean | [11] |
| (U) 2300.000 MHz - 2499.500 MHz | (U) 9M58G1D | (U) 80.0 W Mean | [12] |
| (U) 2300.000 MHz - 2499.500 MHz | (U) 470KF1D | (U) 80.0 W Mean | [13] |
| (U) 2300.000 MHz - 2499.500 MHz | (U) 720KF1D | (U) 80.0 W Mean | [14] |
| (U) 2300.000 MHz - 2499.500 MHz | (U) 8M10F1D | (U) 80.0 W Mean | [15] |
- [1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [2] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [3] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [4] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [5] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
- [6] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are

SUMMARY PRINT FOR VORTEX

not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any

bands determined to be avoided through coordination.

- [7] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any

bands determined to be avoided through coordination.

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- [12] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.
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Equipment Combination

Transmitter : (U) Vortex S-Band Tx
 Tx Antenna : (U) Vortex S Band
 Receiver : Generic
 Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2300.000 MHz	(U) 1M62F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 720KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 9M58G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 4M79G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 2M40G1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 8M10F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 4M05F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 1M94F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 1M56F1D	(U) 80.0 W Mean	PRI

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(U) 2200.500 MHz - 2300.000 MHz	(U) 1M23F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 972KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 6M48F1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 520KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 470KF1D	(U) 80.0 W Mean	PRI
(U) 2200.500 MHz - 2300.000 MHz	(U) 810KF1D	(U) 80.0 W Mean	PRI
(U) 2300.000 MHz - 2499.500 MHz	(U) 1M56F1D	(U) 80.0 W Mean	[1]
(U) 2300.000 MHz - 2499.500 MHz	(U) 470KF1D	(U) 80.0 W Mean	[2]
(U) 2300.000 MHz - 2499.500 MHz	(U) 520KF1D	(U) 80.0 W Mean	[3]
(U) 2300.000 MHz - 2499.500 MHz	(U) 810KF1D	(U) 80.0 W Mean	[4]
(U) 2300.000 MHz - 2499.500 MHz	(U) 1M23F1D	(U) 80.0 W Mean	[5]
(U) 2300.000 MHz - 2499.500 MHz	(U) 9M58G1D	(U) 80.0 W Mean	[6]
(U) 2300.000 MHz - 2499.500 MHz	(U) 1M94F1D	(U) 80.0 W Mean	[7]
(U) 2300.000 MHz - 2499.500 MHz	(U) 4M05F1D	(U) 80.0 W Mean	[8]
(U) 2300.000 MHz - 2499.500 MHz	(U) 6M48F1D	(U) 80.0 W Mean	[9]
(U) 2300.000 MHz - 2499.500 MHz	(U) 8M10F1D	(U) 80.0 W Mean	[10]
(U) 2300.000 MHz - 2499.500 MHz	(U) 1M62F1D	(U) 80.0 W Mean	[11]
(U) 2300.000 MHz - 2499.500 MHz	(U) 2M40G1D	(U) 80.0 W Mean	[12]
(U) 2300.000 MHz - 2499.500 MHz	(U) 720KF1D	(U) 80.0 W Mean	[13]
(U) 2300.000 MHz - 2499.500 MHz	(U) 4M79G1D	(U) 80.0 W Mean	[14]
(U) 2300.000 MHz - 2499.500 MHz	(U) 972KF1D	(U) 80.0 W Mean	[15]
[1] (U) While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.			
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Equipment Combination**Transmitter**

: (U) Vortex S-Band Tx Video

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Tx Antenna : (U) S/L-band Omni-Directional
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2300.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI
(U) 2300.000 MHz - 2499.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	[1]
[1] (U)	While the use of 2290-2310, 2320-2345 and 2395-2500 bands for Mobile Service are not in conformance with the table of allocation from the NTIA, USSOCOM has a unique global mission requiring access to these bands in limited locations for testing and training purposes. Testing and training will be conducted on a non-interference basis in these non-allocated bands and frequency usage shall be coordinated locally to ensure conformance. As an added protection measure the Vortex system has the ability to lock out any bands determined to be avoided through coordination.		

Equipment Combination

Transmitter : (U) Vortex S-Band Tx Video
Tx Antenna : (U) Vortex S Band
Receiver : Generic
Rx Antenna : Generic

Selected Modes

<u>Frequency</u>	<u>Em. Des</u>	<u>Power</u>	<u>Notes</u>
(U) 2200.500 MHz - 2300.000 MHz	(U) 18M5F9W	(U) 80.0 W Mean	PRI
(U) 2300.000 MHz - 2499.500 MHz	(U) 18M5F9W	(U) 80.0 W Mean	[1]
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Line Diagram: VORTEX

