



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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Report No. SES-01256

Wednesday June 30, 2010

## SATELLITE COMMUNICATIONS SERVICES

### RE: SATELLITE RADIO APPLICATIONS ACCEPTED FOR FILING

The applications listed herein have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined they are defective and not in conformance with the Commission's Rules and Regulations and its Policies. Final action will not be taken on any of these applications earlier than 30 days following the date of this notice. 47 U.S.C. § 309(b). All applications accepted for filing will be assigned call signs, or other unique station identifiers. However, these assignments are for administrative purposes only and do not in any way prejudice Commission action.

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SES-LIC-20100625-00789    E E100081    Universal Satellite Communications Inc    **EZ**

Application for Authority

**Class of Station:**        Temporary Fixed Earth Station

**Nature of Service:**     Fixed Satellite Service

SITE ID:                2.4M

LOCATION:

ANTENNA ID:	2.4M	2.4 meters	Andrew Corp	ESA-24SNG-LTE-25
	14000.0000 - 14500.0000 MHz	36M0G7W	74.84 dBW	Digital carrier, various FEC, data rates, modulation.
	14000.0000 - 14500.0000 MHz	36M0F3F	76.29 dBW	Standard analog video with associated audio subcarriers
	14000.0000 - 14500.0000 MHz	51K2G7W	46.37 dBW	Digital carrier, various FEC, data rates, modulation.

**Points of Communication:**

2.4M - PERMITTED LIST - ()

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SES-MFS-20100129-00136    E E030096    PanAmSat Licensee Corp.

Modification

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**     Domestic Fixed Satellite Service, Fixed Satellite Service, International Fixed Satellite Service

PanAmSat Licensee Corp. herein request modification of its Castle Rock, CO. earth station, call sign E030096, to add new frequencies for TT&C of the Intelsat 16 satellite to be located at 58.10 W.L.

SITE ID: 1  
 LOCATION: 5281 EAST GARTON ROAD, DOUGLAS, CASTLE ROCK, CO  
 39 ° 16 ' 37.00 " N LAT. 104 ° 48 ' 24.00 " W LONG.

ANTENNA ID:	CK-9	11 meters	VERTEX	11KPK	
	14000.0000 - 14500.0000 MHz		36M0G7W	80.00 dBW	DIGITAL VIDEO AND DATA
	14000.0000 - 14500.0000 MHz		36M0F8F	75.00 dBW	ANALOG VIDEO
	14000.0000 - 14500.0000 MHz		750KF2D	71.00 dBW	COMMAND CARRIER
	14000.0000 - 14500.0000 MHz		64K0G7D	53.00 dBW	DIGITAL DATA
	13990.0000 - 14000.0000 MHz		750KF2D	85.00 dBW	COMMAND CARRIER
	13750.0000 - 13755.0000 MHz		750KF2D	85.00 dBW	COMMAND CARRIER
	11700.0000 - 12200.0000 MHz		36M0G7W		
	11700.0000 - 12200.0000 MHz		36M0F8F		
	11700.0000 - 12200.0000 MHz		750KF2D		
	11700.0000 - 12200.0000 MHz		64K0G7D		
	13997.5000 - 13997.5000 MHz		850KG7D	85.00 dBW	TT&C
ANTENNA ID:	CK-10	8.1 meters	VERTEX	8.1KPK	
	14000.0000 - 14500.0000 MHz		64K0G7D	53.00 dBW	DIGITAL DATA
	14000.0000 - 14500.0000 MHz		750KF2D	68.23 dBW	COMMAND CARRIER
	14000.0000 - 14500.0000 MHz		36M0F8F	72.00 dBW	ANALOG VIDEO
	14000.0000 - 14500.0000 MHz		36M0G7W	80.00 dBW	DIGITAL VIDEO AND DATA
	13750.0000 - 13755.0000 MHz		750KF2D	85.00 dBW	COMMAND CARRIER
	11700.0000 - 12200.0000 MHz		64K0G7D		
	11700.0000 - 12200.0000 MHz		750KF2D		
	11700.0000 - 12200.0000 MHz		36M0F8F		
	11700.0000 - 12200.0000 MHz		36M0G7W		
	13990.0000 - 14000.0000 MHz		750KF2D	85.00 dBW	COMMAND CARRIER

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**Points of Communication:**

- 1 - ALSAT - (ALSAT)
- 1 - GALAXY XI - (91 W.L.)
- 1 - INTELSAT 16 - (58.10 W.L.)
- 1 - PAS-1R - (45.0 W.L.)
- 1 - PAS-8B - (43 W.L.)

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**SES-MFS-20100622-00742** E E060003 EchoStar Corporation

Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service, Other

EchoStar Corporation seeks to modify its earth station license to provide TT&C and broadcast operations for the EchoStar 15 satellite operating as a U.S.-licensed satellite at 61.55 W.L., to add EchoStar 15 as a point of communication, and to update other points of communication to reflect changes in satellite position.

**SITE ID:** GD3/GD4

**LOCATION:** 800 North America Sky Blvd., Maricopa, Gilbert, AZ

33 ° 21 ' 53.60 " N LAT.

111 ° 48 ' 53.60 " W LONG.

ANTENNA ID:	GD3/GD4	9.1 meters	Vertex	9.1 Meter
17300.0000 - 17800.0000 MHz		24M0G7W	87.40 dBW	Digital Compressed Video
17300.0000 - 17800.0000 MHz		1M50G2D	87.40 dBW	Command Carrier (TT&C)
12200.0000 - 12700.0000 MHz		24M0G7W		Digital Compressed Video
12200.0000 - 12700.0000 MHz		300KG2D		Telemetry Beacon (TT&C)
17300.0000 - 17310.0000 MHz		800KG2D	84.70 dBW	Command Carrier (TT&C)
17790.0000 - 17800.0000 MHz		800KG2D	84.70 dBW	Command Carrier (TT&C)
12200.0000 - 12210.0000 MHz		800KG2D		Telemetry Beacon (TT&C)
12690.0000 - 12700.0000 MHz		800KG2D		Telemetry Beacon (TT&C)

**Points of Communication:**

- GD3/GD4 - ECHOSTAR 10 - (110 W.L.)
- GD3/GD4 - ECHOSTAR 12 - (61.35 W.L.)
- GD3/GD4 - ECHOSTAR 15 - (61.55 W.L.)
- GD3/GD4 - ECHOSTAR 2 - (148 W.L.)
- GD3/GD4 - ECHOSTAR 3 - (61.5 W.L.)

GD3/GD4 - ECHOSTAR 5 - (129 W.L.)

GD3/GD4 - ECHOSTAR 6 - (61.65 W.L.)

GD3/GD4 - ECHOSTAR 7 - (118.8 W.L.)

GD3/GD4 - ECHOSTAR 8 - (110 W.L.)

GD3/GD4 - ECHOSTAR 8 - (77 W.L.)

GD3/GD4 - ECHOSTAR I - (148.0 W.L.)

GD3/GD4 - RAINBOW1 - (61.5 W.L.)

**SES-MFS-20100622-00743** E E080120 EchoStar Corporation

Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service, Other

EchoStar Corporation seeks to modify its earth station license to provide TT&C and broadcast operations for the EchoStar 15 satellite operating as a U.S.-licensed satellite at 61.55 W.L., to add EchoStar 15 as a point of communication, and to update other points of communication to reflect changes in satellite position.

**SITE ID:** Cheyenne

**LOCATION:** 530 EchoStar Drive, Laramie, Cheyenne, WY

41 ° 7 ' 54.40 " N LAT.

104 ° 44 ' 13.00 " W LONG.

ANTENNA ID:	D1	9 meters	Vertex	9m
	12200.0000 - 12210.0000 MHz		800KG2D	0.00 dBW Telemetry
	12690.0000 - 12700.0000 MHz		800KG2D	0.00 dBW Telemetry
	17790.0000 - 17800.0000 MHz		800KG2D	78.10 dBW Telecommand
	12200.0000 - 12210.0000 MHz		1M50F3D	0.00 dBW Ranging Tones
	12690.0000 - 12700.0000 MHz		1M50F3D	0.00 dBW Ranging Tones
	17790.0000 - 17800.0000 MHz		1M50F3D	80.84 dBW Ranging Tones
	12210.0000 - 12700.0000 MHz		24M0G7W	0.00 dBW Digital Data and Compressed Video
	17790.0000 - 17800.0000 MHz		24M0G7W	86.50 dBW Digital Data and Compressed Video
	17300.0000 - 17310.0000 MHz		1M50F3D	80.84 dBW Ranging Tones
	17300.0000 - 17310.0000 MHz		800KG2D	78.10 dBW Telecommand
ANTENNA ID:	D2	9 meters	Vertex	9m
	12200.0000 - 12210.0000 MHz		800KG2D	0.00 dBW Telemetry

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12690.0000 - 12700.0000 MHz	800KG2D	0.00 dBW	Telemetry
17790.0000 - 17800.0000 MHz	800KG2D	78.10 dBW	Telecommand
12200.0000 - 12210.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
12690.0000 - 12700.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
17790.0000 - 17800.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
17300.0000 - 17800.0000 MHz	24M0G7W	86.50 dBW	Digital Data and Compressed Video
17300.0000 - 17310.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
12210.0000 - 12700.0000 MHz	24M0G7W	0.00 dBW	Digital Data and Compressed Video
17300.0000 - 17310.0000 MHz	800KG2D	78.10 dBW	Telecommand

**Points of Communication:**

Cheyenne - EHOSTAR 1 - (77.15 W.L.)

Cheyenne - EHOSTAR 10 - (110 W.L.)

Cheyenne - EHOSTAR 12 - (61.35 W.L.)

Cheyenne - EHOSTAR 15 - (61.55 W.L.)

Cheyenne - EHOSTAR 2 - (148 W.L.)

Cheyenne - EHOSTAR 3 - (61.5 W.L.)

Cheyenne - EHOSTAR 4 - (76.85 W.L.)

Cheyenne - EHOSTAR 6 - (61.65 W.L.)

Cheyenne - EHOSTAR 7 - (118.8 W.L.)

Cheyenne - EHOSTAR 8 - (110 W.L.)

Cheyenne - EHOSTAR 8 - (77 W.L.)

Cheyenne - EHOSTAR I - (148.0 W.L.)

Cheyenne - RAINBOW1 - (61.5 W.L.)

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**SES-MFS-20100622-00744**    E E070014    EchoStar Corporation

Modification

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**     Direct Broadcast Satellite Service, Feeder Link in Fixed Satellite Service, Other

EchoStar Corporation seeks to modify its earth station license to provide TT&C and broadcast operations for the EchoStar 15 satellite operating as a U.S.-licensed satellite at 61.55 W.L., to add EchoStar 15 as a point of communication, and to update other points of communication to reflect changes in satellite position.

SITE ID: GFMA  
 LOCATION: 801 N. Dish Drive, Maricopa, Gilbert, AZ  
 33 ° 22 ' 0.80 " N LAT.

111 ° 48 ' 54.70 " W LONG.

ANTENNA ID:	GFMA	13.2 meters	Vertex		13.2 Meter
	17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW		Digital Compressed Video
	17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW		Digital Compressed Video
	17300.0000 - 17800.0000 MHz	1M50G2D	86.90 dBW		Command Carrier (TT&C)
	12200.0000 - 12700.0000 MHz	24M0G7W			Digital Compressed Video
	12200.0000 - 12700.0000 MHz	24M0G7W			Digital Compressed Video
	12200.0000 - 12700.0000 MHz	1M50G2D			Telemetry (TT&C)
	12200.0000 - 12210.0000 MHz	800KG2D			Telemetry (TT&C)
	12200.0000 - 12210.0000 MHz	800KG2D			Telemetry (TT&C)
	12690.0000 - 12700.0000 MHz	800KG2D			Telemetry (TT&C)
	12690.0000 - 12700.0000 MHz	800KG2D			Telemetry (TT&C)
	17300.0000 - 17310.0000 MHz	800KG2D	84.10 dBW		Command Carrier (TT&C)
	17300.0000 - 17310.0000 MHz	800KG2D	84.10 dBW		Command Carrier (TT&C)
	17790.0000 - 17800.0000 MHz	800KG2D	84.10 dBW		Command Carrier (TT&C)
	17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW		Digital Compressed Video
	12200.0000 - 12700.0000 MHz	24M0G7W			Digital Compressed Video
	12200.0000 - 12700.0000 MHz	24M0G7W			Digital Compressed Video
	17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW		Digital Compressed Video
	17790.0000 - 17800.0000 MHz	800KG2D	84.10 dBW		Command Carrier (TT&C)
	12200.0000 - 12205.0000 MHz	800KG2D			Telemetry
	17300.0000 - 17800.0000 MHz	1M50G2D	86.90 dBW		Command Carrier (TT&C)
	12200.0000 - 12700.0000 MHz	1M50G2D			Telemetry (TT&C)

**Points of Communication:**

GFMA - ECHOSTAR 1 - (77.15 W.L.)

GFMA - ECHOSTAR 10 - (110 W.L.)

GFMA - ECHOSTAR 12 - (61.35 W.L.)

GFMA - ECHOSTAR 14 - (118.9 W.L.)

GFMA - ECHOSTAR 15 - (61.55 W.L.)

GFMA - ECHOSTAR 2 - (148 W.L.)

GFMA - ECHOSTAR 3 - (61.5 W.L.)

GFMA - ECHOSTAR 4 - (76.85 W.L.)

GFMA - ECHOSTAR 5 - (129 W.L.)

GFMA - ECHOSTAR 6 - (61.65 W.L.)

GFMA - ECHOSTAR 6 - (72.7 W.L.)

GFMA - ECHOSTAR 7 - (118.8 W.L.)

GFMA - ECHOSTAR 8 - (110 W.L.)

GFMA - ECHOSTAR 8 - (77 W.L.)

GFMA - NIMIQ 5 - (72.7 W.L.)

GFMA - RAINBOW1 - (61.5 W.L.)

**SES-MFS-20100622-00745** E E980005 EchoStar Corporation

Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service, Feeder Link for DBS in Fixed Satellite Service, Other

EchoStar Corporation seeks to modify its earth station license to provide TT&C and broadcast operations for the EchoStar 15 satellite operating as a U.S.-licensed satellite at 61.55 W.L., to add EchoStar 15 as a point of communication, to update other points of communication to reflect changes in satellite position, and to add and alter certain emission designators.

SITE ID: 1

LOCATION: 530 ECHOSTAR DRIVE, LARMIE, CHEYENNE, WY

41 ° 7 ' 56.40 " N LAT.

104 ° 44 ' 10.40 " W LONG.

ANTENNA ID:	1	13.2 meters	TIW	13.2 METER
	17307.0000 - 17308.5000 MHz	1M00G2D	86.30 dBW	Digital Data, FEC 3/4 (TT&C)
	17301.0000 - 17302.0000 MHz	1M00G2D	86.30 dBW	Digital Data, FEC 3/4 (TT&C)
	17300.0000 - 17800.0000 MHz	24M0M1F	87.40 dBW	Digital Video, FEC 3/4
	12698.5000 - 12699.5000 MHz	1M00G2D		Telemetry Beacon (TT&C)
	12202.5000 - 12203.5000 MHz	1M00G2D		Telemetry Beacon (TT&C)

12200.5000 - 12201.5000 MHz	1M00G2D		Telemetry Beacon (TT&C)
12200.0000 - 12700.0000 MHz	24M0M1F		Digital Video, FEC 3/4
12200.0000 - 12205.0000 MHz	800KG2D		Telemetry
17790.0000 - 17800.0000 MHz	1M00G2D	35.80 dBW	Telemetry
17300.0000 - 17800.0000 MHz	24M0G1W	87.40 dBW	Digital Video, FEC 3/4

**Points of Communication:**

- 1 - ECHO-3 - (61.5 DEG)
- 1 - EHOSTAR 1 - (77.15 W.L.)
- 1 - EHOSTAR 12 - (61.35 W.L.)
- 1 - EHOSTAR 14 - (118.9 W.L.)
- 1 - EHOSTAR 15 - (61.55 W.L.)
- 1 - EHOSTAR 2 - (148 W.L.)
- 1 - EHOSTAR 4 - (76.85 W.L.)
- 1 - EHOSTAR 6 - (61.65 W.L.)
- 1 - EHOSTAR 7 - (118.8 W.L.)
- 1 - EHOSTAR 8 - (77 W.L.)

**SES-MOD-20100510-00580** E E940374 SkyTerra Subsidiary LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service, Fixed Satellite Service ORB-88 Allotment Plan

Pursuant to Section 25.117 (c) of the Commission's rules, 47 CFR, Skyterra Subsidiary LLC has requested authority to modify its earth station licenses (call signs E940374 and E930124) and its mobile earth terminal (MET) licenses (call signs E980179, E930367, and E990133) to reflect the pending change in orbital location of MSAT-2 (a.k.a. AMSC-1). Skyterra is currently authorized to communicate with MSAT-2, located at 101.3°W, and seeks (in a separate application) to relocate MSAT-2 to 103.3°W to make room for a replacement satellite Skyterra 1. The earth stations authorized under this license will communicate with MSAT-2 throughout its drift from 101.3°W to 103°W and afterwards for an estimated eight months, until Skyterra 1 is fully tested and service is transitioned to the new satellite. Skyterra has also requested a change in the regulatory status of the earth station licenses from common carrier to non-common carrier to comport with the previously approved change in the regulatory status of the MSAT-2 space segment from common carrier to non-common carrier.

SITE ID: 1

LOCATION: 6461 STEPHENSON WAY, FAIRFAX, ALEXANDRIA, VA  
 38 ° 47 ' 43.00 " N LAT. 77 ° 9 ' 51.00 " W LONG.

ANTENNA ID: 1 11 meters VERTEX 11KPK

13200.0000 - 13250.0000 MHz 6K40G7W 81.50 dBW

13200.0000 - 13250.0000 MHz 1K44G7W 81.50 dBW



13000.0000 - 13150.0000 MHz	6K40G7W	81.50 dBW
13000.0000 - 13150.0000 MHz	1K44G7W	81.50 dBW
1646.5000 - 1660.5000 MHz	NON	16.00 dBW

**Points of Communication:**

- 1 - ALSAT - (ALSAT)
- 1 - MSAT-1 - (106.5 W.L.)
- 1 - MSAT-2 - (103.3 W.L.)

**SES-MOD-20100510-00581**    E E930124    SkyTerra Subsidiary LLC

Application for Modification

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**      Fixed Satellite Service, Fixed Satellite Service ORB-88 Allotment Plan

Pursuant to Section 25.117 (c) of the Commission's rules, 47 CFR, Skyterra Subsidiary LLC has requested authority to modify its earth station licenses (call signs E940374 and E930124) and its mobile earth terminal (MET) licenses (call signs E980179, E930367, and E990133) to reflect the pending change in orbital location of MSAT-2 (a.k.a. AMSC-1). Skyterra is currently authorized to communicate with MSAT-2, located at 101.3°W, and seeks (in a separate application) to relocate MSAT-2 to 103.3°W to make room for a replacement satellite Skyterra 1. The earth stations authorized under this license will communicate with MSAT-2 throughout its drift from 101.3°W to 103°W and afterwards for an estimated eight months, until Skyterra 1 is fully tested and service is transitioned to the new satellite. Skyterra has also requested a change in the regulatory status of the earth station licenses from common carrier to non-common carrier to comport with the previously approved change in the regulatory status of the MSAT-2 space segment from common carrier to non-common carrier.

SITE ID:                             1  
LOCATION:                         10802 PARKRIDGE BOULEVARD, FAIRFAX, RESTON, VA  
                                      38 ° 56 ' 44.00 " N LAT.   77 ° 19 ' 7.00 " W LONG.

ANTENNA ID:    1	11 meters	VERTEX	11KPK
14000.5000 - 14000.5000 MHz	700KF9D	81.00 dBW	SATELLITE COMMAND CHANNEL
13200.0000 - 13250.0000 MHz	6K40G7W	81.50 dBW	
13200.0000 - 13250.0000 MHz	1K44G7W	81.50 dBW	
13000.0000 - 13150.0000 MHz	6K40G7W	81.50 dBW	
13000.0000 - 13150.0000 MHz	1K44G7W	81.50 dBW	
11701.0000 - 11701.0000 MHz	138KGXD		SATELLITE TELEMETRY CHANNEL
11700.5000 - 11700.5000 MHz	138KGXD		SATELLITE TELEMETRY CHANNEL
1646.5000 - 1660.5000 MHz	NON	16.00 dBW	

**Points of Communication:**

- 1 - ALSAT - (ALSAT)

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1 - MSAT-1 - (106.5 W.L.)

1 - MSAT-2 - (103.3 W.L.)

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**SES-MOD-20100510-00582**    E E980179    SkyTerra Subsidiary LLC

Application for Modification

**Class of Station:**        Mobile Earth Station

**Nature of Service:**     Mobile Satellite Service

Pursuant to Section 25.117 (c) of the Commission's rules, 47 CFR, Skyterra Subsidiary LLC has requested authority to modify its earth station licenses (call signs E940374 and E930124) and its mobile earth terminal (MET) licenses (call signs E980179, E930367, and E990133) to reflect the pending change in orbital location of MSAT-2 (a.k.a. AMSC-1). Skyterra is currently authorized to communicate with MSAT-2, located at 101-3°W, and seeks (in a separate application) to relocate MSAT-2 to 103.3°W to make room for a replacement satellite Skyterra 1. The earth stations authorized under this license will communicate with MSAT-2 throughout its drift from 101.3°W to 103°W and afterwards for an estimated eight months, until Skyterra 1 is fully tested and service is transitioned to the new satellite. Skyterra has also requested a change in the regulatory status of the earth station licenses from common carrier to non-common carrier to comport with the previously approved change in the regulatory status of the MSAT-2 space segment from common carrier to non-common carrier.

SITE ID:                    1

LOCATION:                  100,000 Full-duplex METs & "EMS" half-duplex data METs, VARIOUS

ANTENNA ID:	A2	0 meters	WESTINGHOUSE / WEC Contour Dome	CD-JL01003, D-1000
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A3	0.92 meters	WESTINGHOUSE / WEC Fixed Site (0.92 m)	CD-JL01083, F-1000
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)

	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A4	0.76 meters	WESTINGHOUSE / WEC Fixed Site (0.76 m)	CD-JL01083, F-1000
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A5	0 meters	WESTINGHOUSE / WEC Maritime Contour Dome	CD-JL01003-G02
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
ANTENNA ID:	D3	0 meters	NARROWBAND / Narrowband Mobile		MDT 1000
	1626.5000 - 1660.5000 MHz		5K00G7D	16.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1626.5000 - 1660.5000 MHz		5K00G7D	16.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz		5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D4	0 meters	EATON/ Eaton Mobile		SCM
	1626.5000 - 1660.5000 MHz		5K00G7D	16.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1626.5000 - 1660.5000 MHz		5K00G7D	16.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz		5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	A1	0 meters	WESTINGHOUSE / WEC Mast		CD-JL01080, P-1000
	1626.5000 - 1660.5000 MHz		5K00G7W	12.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	12.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	12.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)

	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A6	1.2 meters	WESTINGHOUSE / WEC Mult. Fixed Site	F-1000MC	
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A7	0.46 meters	WESTINGHOUSE / KVH SC Maritime	M-1015, D-100HF	
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
ANTENNA ID:	A8	0 meters	MITSUBISHI / MELCO Dome	AU200A, ST-111D	

1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)		
1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)		
1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps		
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)		
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps		
ANTENNA ID: A9	0.6 meters	0.6 meters	0.6 meters	MITSUBISHI / MELCO Fixed Site	AU500A, ST-121
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)		
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)		
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps		
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)		
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps		
ANTENNA ID: A10	0.35 meters	0.35 meters	0.35 meters	MITSUBISHI / MELCO Briefcase	ST151
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)		
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)		

	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A11	0.25 meters	mitsubishi / MELCO Omniquest	ST251
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A19	0 meters	WEC D-1000MH MARITIME DOME	CDJL01003-G02
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)

	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A20	0 meters	MITSUBISHI / MELCO DOME		AU201A, ST-211D
	1626.5000 - 1660.5000 MHz		5K00G7W	15.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	15.00 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1559.0000 MHz		5K00G7W	15.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A21	0.6 meters	MITSUBISHI / MELCO Fixed		AU601A,ST-221
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A22	0.3 meters	KVH TRACPHONE		AU900A, ST131
	1626.5000 - 1660.5000 MHz		5K00G7W	11.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)



	1626.5000 - 1660.5000 MHz	5K00G7W	11.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	11.00 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A23	0 meters	MITSUBISHI / MELCO MAST	AU110A,ST111
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A12	0 meters	CAL / Calquest	CQ100
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A13	0 meters	MITSUBISHI / MELCO Transportation Dome		AU400A
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	D1	0 meters	WESTINGHOUSE / WEC Contour Dome		CD-JL01003
	1626.5000 - 1660.5000 MHz		5K00G7D	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1626.5000 - 1660.5000 MHz		5K00G7D	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz		5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D2	0.415 meters	NARROWBAND / Narrowband Fixed Site		RST 2000
	1626.5000 - 1660.5000 MHz		5K00G7D	13.80 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)

	1626.5000 - 1660.5000 MHz	5K00G7D	13.80 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D5		EMS / Packet Data / half duplex	PDT-100
	1626.5000 - 1660.5000 MHz	5K00G7D	11.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7D	11.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A14	0.46 meters	MITSUBISHI / MELCO Omniquest Fixed	OQFAU, ST251
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1525.0000 - 1559.0000 MHz	5K00G7W	0.00 dBW	TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W	0.00 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A15	0.85 meters	MITSUBISHI / MELCO Fixed	AU601B,ST221M

1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A16	0.46 meters	EMS/GETS	0955-A-0100
1626.5000 - 1660.5000 MHz	5K00G7W	17.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	17.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1626.5000 - 1660.5000 MHz	5K00G7W	17.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A17	0.46 meters	WESTINGHOUSE/WEC M-1075 MARITIME	M-1075, D-100HF
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)

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1626.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A18	0 meters	WESTINGHOUSE/WEC D DOME	CD-JL01003, .D-1000H
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A24	0.274 meters	HUGHES NETWORK SYSTEMS	MSAT-G2
1626.5000 - 1660.5000 MHz	5K00G7W	16.00 dBW	FDMA communications channel (voice or data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data)

**Points of Communication:**

- 1 - MSAT-1 - (106.5 W.L.)
- 1 - MSAT-2 - (103.3 W.L.)
- 1 - SKYTERRA 1 - (101.3 W.L.)

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SES-MOD-20100510-00583    E E930367    SkyTerra Subsidiary LLC

Application for Modification

**Class of Station:**        Mobile Earth Station

**Nature of Service:**      Mobile Satellite Service

Pursuant to Section 25.117 (c) of the Commission's rules, 47 CFR, Skyterra Subsidiary LLC has requested authority to modify its earth station licenses (call signs E940374 and E930124) and its mobile earth terminal (MET) licenses (call signs E980179, E930367, and E990133) to reflect the pending change in orbital location of MSAT-2 (a.k.a. AMSC-1). Skyterra is currently authorized to communicate with MSAT-2, located at 101-3°W, and seeks (in a separate application) to relocate MSAT-2 to 103.3°W to make room for a replacement satellite Skyterra 1. The earth stations authorized under this license will communicate with MSAT-2 throughout its drift from 101.3°W to 103°W and afterwards for an estimated eight months, until Skyterra 1 is fully tested and service is transitioned to the new satellite. Skyterra has also requested a change in the regulatory status of the earth station licenses from common carrier to non-common carrier to comport with the previously approved change in the regulatory status of the MSAT-2 space segment from common carrier to non-common carrier.

SITE ID: 1

LOCATION: 100,000 Full-duplex METs & "EMS" half-duplex data METs, CONUS, AK, HI, PR, V

ANTENNA ID:	A1		WESTINGHOUSE/WEC Mast	CD-JL01080, P-1000	
	1626.5000 - 1660.5000 MHz		5K00G7W	12.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	12.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz		5K00G7W	12.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A10	0.35 meters	MITSUBISHI/MELCO Briefcase	ST151	
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

ANTENNA ID:	A11	0.25 meters	MITSUBISHI/MELCO Omniquest	ST251	
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A12		CAL / Calquest	CQ100	
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A13		MITSUBISHI/MELCO Transportable Dome	AU400A	
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A14	0.46 meters	MITSUBISHI/MELCO Omniquest Fixed	OQFAU, ST251
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A15	0.85 meters	MITSUBISHI/MELCO Fixed	AU601B,ST221M
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)



	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A16	0.46 meters	EMS/GETS		0955-A-0100
	1626.5000 - 1660.5000 MHz		5K00G7W	17.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	17.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz		5K00G7W	17.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A17	0.46 meters	WESTINGHOUSE/WEC M-1075 MARITIME		M-1075,D-100HF
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A18	0 meters	WESTINGHOUSE WEC D DOME		CD-JL01003,,D-1000H
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)

	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A19	0 meters	WEC D-1000MH MARITIME DOME	CDJL01003-G02
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A2		WESTINGHOUSE/WEC Contour Dome	CD-JL01003, D-1000
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)

	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A20		MITSUBISHI/MELCO DOME		AU201A, ST-211D
	1626.5000 - 1660.5000 MHz		5K00G7W	15.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	15.00 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz		5K00G7W	15.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A21	0.6 meters	MITSUBISHI/MELCO Fixed		AU601A,ST-221
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A22	0.3 meters	KVH TRACPHONE		AU900A,ST131

1626.5000 - 1660.5000 MHz	5K00G7W	11.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	11.00 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	11.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A23	MITSUBISHI/MELCO MAST		AU110A,ST111
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A3	0.92 meters	WESTINGHOUSE/WEC Fixed Site(0.92m)	CD-JL01083, F-1000
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A4	0.76 meters	WESTINGHOUSE/WEC Fixed Site(0.76m)		CD-JL01083, F-1000
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A5		WESTINGHOUSE/WEC Maritime Contour Dome		CD-JL01003-G02
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)

	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A6	1.2 meters	WESTINGHOUSE/WEC Mult.Fixed Site	F-1000MC
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A7	0.46 meters	WESTINGHOUSE/KVH SC Maritime	M-1015, D-100HF
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A8		MITSUBISHI/MELCO Dome	AU200A, ST-111D
	1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)

	1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A9	0.6 meters	MITSUBISHI/MELCO Fixed Site		AU500A,ST-121
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: D1		WESTINGHOUSE/WEC Contour Dome		CD-JL01003
	1626.5000 - 1660.5000 MHz	5K00G7D	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1626.5000 - 1660.5000 MHz	5K00G7D	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)

ANTENNA ID:	D2	0.415 meters	NARROWBAND/Narrowband Fixed Site	RST 2000
	1626.5000 - 1660.5000 MHz	5K00G7D	13.80 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1626.5000 - 1660.5000 MHz	5K00G7D	13.80 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D3		NARROWBAND/Narrowband Mobile	MDT 1000
	1626.5000 - 1660.5000 MHz	5K00G7D	16.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1626.5000 - 1660.5000 MHz	5K00G7D	16.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D4		EATON/Eaton Mobile	SCM
	1626.5000 - 1660.5000 MHz	5K00G7D	16.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1626.5000 - 1660.5000 MHz	5K00G7D	16.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D5		EMS/Packet Data/half duplex	PDT-100
	1626.5000 - 1660.5000 MHz	5K00G7D	11.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)



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1626.5000 - 1660.5000 MHz	5K00G7D	11.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7D		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)

**Points of Communication:**

- 1 - MSAT-1 - (106.5 W.L.)
- 1 - MSAT-2 - (103.3 W.L.)
- 1 - SKYTERRA 1 - (101.3 W.L.)

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**SES-MOD-20100510-00584** E E990133 SkyTerra Subsidiary LLC

Application for Modification

**Class of Station:** Mobile Earth Station

**Nature of Service:** Mobile Satellite Service

Pursuant to Section 25.117 (c) of the Commission's rules, 47 CFR, Skyterra Subsidiary LLC has requested authority to modify its earth station licenses (call signs E940374 and E930124) and its mobile earth terminal (MET) licenses (call signs E980179, E930367, and E990133) to reflect the pending change in orbital location of MSAT-2 (a.k.a. AMSC-1). Skyterra is currently authorized to communicate with MSAT-2, located at 101-3°W, and seeks (in a separate application) to relocate MSAT-2 to 103.3°W to make room for a replacement satellite Skyterra 1. The earth stations authorized under this license will communicate with MSAT-2 throughout its drift from 101.3°W to 103°W and afterwards for an estimated eight months, until Skyterra 1 is fully tested and service is transitioned to the new satellite. Skyterra has also requested a change in the regulatory status of the earth station licenses from common carrier to non-common carrier to comport with the previously approved change in the regulatory status of the MSAT-2 space segment from common carrier to non-common carrier.

SITE ID: 1

LOCATION: Up to 100,000 full duplex TAMS METs, VARIOUS

<b>ANTENNA ID:</b> TAM1	0.15 meters	Mobilacomm Dual-Band Patch / 15x15x2 cm	SSMSRP1
1626.5000 - 1660.5000 MHz	5K00G7D	11.00 dBW	BPSK channel using TDMA slots/tracking & asset management (TAMS) data services / land & maritime satellite services
1525.0000 - 1559.0000 MHz	5K00G7D		TDM signaling channel using BPSK/tracking & asset management (TAMS) data services / land & maritime satellite services
<b>ANTENNA ID:</b> TAM2	0.15 meters	Mobilacomm Helical Whip / 1.5x1.5x25 cm	SSMSHW1
1626.5000 - 1660.5000 MHz	5K00G7D	11.00 dBW	BPSK channel using TDMA slots/tracking & asset management (TAMS) data services / land & maritime satellite services
1525.0000 - 1559.0000 MHz	5K00G7D		TDM signaling channel using BPSK/tracking & asset management (TAMS) data services / land & maritime satellite services

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ANTENNA ID:	TAM3	0.12 meters	Mobilacomm Patch / 5x10x1 cm	SSMSRP2
	1626.5000 - 1660.5000 MHz		5K00G7D	9.00 dBW
				BPSK channel using TDMA slots/ tracking & asset management (TAMS) data services / land & maritime satellite services
	1525.0000 - 1559.0000 MHz		5K00G7D	
				TDM signaling channel using BPSK/ tracking & asset management (TAMS) data services / land & maritime satellite services

**Points of Communication:**

1 - MSAT-1 - (106.5 W.L.)

1 - MSAT-2 - (103.3 W.L.)

1 - SKYTERRA 1 - (101.3 W.L.)

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For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 202-418-2555.