

RADIO STATION AUTHORIZATION

Name: Ligado Networks Subsidiary LLC

Call Sign: E930367

Authorization Type: Modification of License

File Number: SES-MFS-20150605-00326

Common Carrier

Grant date:

09/16/2015

Expiration Date:

03/13/2020

Nature of Service: Mobile Satellite Service

Class of Station: Mobile Earth Station

A) Site Location(s)

Address

Latitude

Longitude

Elevation (Meters)

Special Provisions NAD (Refer to Section H)

1) 1

Site ID

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

0 NA

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning March 13, 2005 (3 AM Eastern Standard Time) and ending March 13, 2020 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is September 16, 2016 (3 AM Eastern Standard Time). Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands. The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

1 or the	text of these provisions, for	or to section i			Max EIRP	Max EIRP Density		Special Provisions	
#	Frequency (MHz)	Polarizatio Code	on Emission	Tx/Rx Mode	/Carrier (dBW)	/Carrier (dBW/4kHz)	Associated Antenna	(Refer to Section H)	Modulation/ Services
1) 16	26.5000-1660.5000	R	5K00G7W	Tx	12.50	11.50	A1		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
2) 16	26.5000-1660.5000	R	5K00G7W	Tx	12.50	11.50	A1		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
3) 16	26.5000-1660.5000	R	5K00G7W	Tx	12.50	11.50	A1		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)



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B) Particulars of Operations

For	r the text of these provisions, re-		Max EIRP	Max EIRP	Special Provisions				
#	Frequency (MHz)	Polarizatio Code	n Emission	Tx/Rx Mode	/Carrier	Density /Carrier (dBW/4kHz)	Associated Antenna	(Refer to Section H)	Modulation/ Services
4)	1525.0000-1559.0000	R	5K00G7W	Rx			A1		TDM signaling channel using diffenentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
5)	1525.0000-1559.0000	R	5K00G7W	Rx			A1		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
6)	1626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A10		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
7)	1626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A10		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
8)	1626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A10		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
9)	1525.0000-1559.0000	R	5K00G7W	Rx			A10		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
10)	1525.0000-1559.0000	R	5K00G7W	Rx			A10		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
11)	1626.5000-1660.5000	R	5K00G7W	Τx	16.50	15.50	A11		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)



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For the	text of these provisions, ref	fer to Section	Н.		Max	Max EIRP	Speci			
#	Frequency (MHz)	Polarizatio Code	on Emission	Tx/Rx Mode	EIRP /Carrier (dBW)	Density /Carrier (dBW/4kHz)	Associated Antenna	Provisions (Refer to Section H)	Modulation/ Services	
12) 162	6.5000-1660.5000	R	5K00G7W	Тx	16.50	15.50	A11		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps	
13) 162	6.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A11		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)	
14) 152	5.0000-1559.0000	R	5K00G7W	Rx			A11		TDM signaling channel using diffenentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)	
15) ₁₅₂	5.0000-1559.0000	R	5K00G7W	Rx			A11		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps	
16) 162	6.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A12		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)	
17) 162	6.5000-1660.5000	R	5K00G7W	Τx	16.50	15.50	A12		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps	
18) 162	6.5000-1660.5000	R	5K00G7W	Τx	16.50	15.50	A12		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)	
19) 152	5.0000-1559.0000	R	5K00G7W	Rx			A12		TDM signaling channel using diffenentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)	



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B) Particulars of Operations

For th	e text of these provisions, re		Max EIRP			Special Provisions			
#	Frequency (MHz)	Polarization Code	n Emission	Tx/Rx Mode	/Carrier	-	Associated Antenna	(Refer to Section H)	Modulation/ Services
20) 19	525.0000-1559.0000	R	5K00G7W	Rx			A12		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
21) 16	526.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A13		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
22) 16	526.5000-1660.5000	R	5K00G7W	Тх	16.50	15.50	A13		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
23) 16	526.5000-1660.5000	R	5K00G7W	Τx	16.50	15.50	A13		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
24) 15	525.0000-1559.0000	R	5K00G7W	Rx			A13		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
25) 15	525.0000-1559.0000	R	5K00G7W	Rx			A13		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
26) 16	526.5000-1660.5000	R	5K00G7W	Τx	16.50	15.50	A14		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
27) 16	526.5000-1660.5000	R	5K00G7W	Τx	16.50	15.50	A14		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps



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The General Provision 1010 applies to all receiving frequency bands. The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H

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#	Frequency (MHz)	Polarizatio Code	on Emission	Tx/Rx Mode		Density /Carrier (dBW/4kHz)	Associated Antenna	(Refer to Section H)	Modulation/ Services
28)	1626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A14		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
29)	1525.0000-1559.0000	R	5K00G7W	Rx			A14		TDM signaling channel using diffenentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
30)	1525.0000-1559.0000	R	5K00G7W	Rx			A14		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
31)	1626.5000-1660.5000	R	5K00G7W	Τx	16.50	15.50	A15		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
32)	1626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A15		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
33)	1626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A15	·	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
34)	1525.0000-1559.0000	R	5K00G7W	Rx			A15		TDM signaling channel using diffenentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
35)	1525.0000-1559.0000	R	5K00G7W	Rx			A15		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps



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B) Particulars of Operations

For	the text of these provisions, re-	fer to Section H	Í.		Max EIRP	Max EIRP		Special Provisions	
#	Frequency (MHz)	Polarizatio Code	n Emission	Tx/Rx Mode	/Carrier	Density /Carrier (dBW/4kHz)	Associated Antenna	(Refer to Section H)	Modulation/ Services
36)	1626.5000-1660.5000	R	5K00G7W	Tx	17.50	16.50	A16		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
37)	1626.5000-1660.5000	R	5K00G7W	Τx	17.50	16.50	A16		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
38)	1626.5000-1660.5000	R	5K00G7W	Τx	17.50	16.50	A16		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
39)	1525.0000-1559.0000	R	5K00G7W	Rx			A16		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
40)	1525.0000-1559.0000	R	5K00G7W	Rx			A16		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
41)	1626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A17		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
42)	1626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A17		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
43)	1626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A17		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)



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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

For the text of these provisions, refer to Section H.						Max EIRP	Special Provisions		
#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	EIRP /Carrier (dBW)	Density /Carrier (dBW/4kHz)	Associated Antenna	(Refer to Section H)	Modulation/ Services
44) 152	5.0000-1559.0000	R .	5K00G7W	Rx			A17		TDM signaling channel using diffenentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
45) 152	5.0000-1559.0000	R !	5K00G7W	Rx			A17		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
46) 162	6.5000-1660.5000	R !	5K00G7W	Τx	16.50	15.50	A18		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
47) 162	6.5000-1660.5000	R !	5K00G7W	Tx	16.50	15.50	A18		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
48) 162	6.5000-1660.5000	R !	5K00G7W	Tx	16.50	15.50	A18		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
49) 152	5.0000-1559.0000	R S	5K00G7W	Rx			A18		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
50) 152	5.0000-1559.0000	R S	5K00G7W	Rx			A18		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
51) 162	6.5000-1660.5000	R , !	5K00G7W	Tx	16.50	15.50	A19		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)

FCC Form 488



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For the	text of these provisions, re-	fer to Section I	- I.		Max EIRP			Special Provisions	
#	Frequency (MHz)	Polarizatio Code	on Emission	Tx/Rx Mode	/Carrier	/Carrier (dBW/4kHz)	Associated Antenna	(Refer to Section H)	Modulation/ Services
52) 162	26.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A19		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
53) 162	26.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A19		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
54) 152	25.0000-1559.0000	R	5K00G7W	Rx			A19		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
55) 152	25.0000-1559.0000	R	5K00G7W	Rx			A19		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
56) 162	26.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A2		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
57) 162	26.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A2	,	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
58) 162	26.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A2		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
59) 152	25.0000-1559.0000	R	5K00G7W	Rx			A2		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)



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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

For the	For the text of these provisions, refer to Section H.					ax Max EIRP		Special		
#	Frequency (MHz)	Polarizatio Code	n Emission	Tx/Rx Mode	EIRP /Carrier (dBW)	Density /Carrier (dBW/4kHz)	Associated Antenna	Provisions (Refer to Section H)	Modulation/ Services	
60) 152	25.0000-1559.0000	R	5K00G7W	Rx			A2		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps	
61) 162	26.5000-1660.5000	R	5K00G7W	Tx	15.00	14.00	A20		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)	
62) 162	26.5000-1660.5000	R	5K00G7W	Tx	15.00	14.00	A20		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps	
63) 162	26.5000-1660.5000	R	5K00G7W	Tx	15.00	14.00	A20		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)	
64) 152	25.0000-1559.0000	R	5K00G7W	Rx			A20		TDM signaling channel using diffenentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)	
65) 152	25.0000-1559.0000	R	5K00G7W	Rx			A20		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps	
66) 162	26.5000-1660.5000	R	5K00G7W	Τx	16.50	15.50	A21		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)	
67) 162	26.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A21		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps	



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#	Frequency (MHz)	Polarization Code	n Emission	Tx/Rx /Carrier	Density /Carrier (dBW/4kHz)	Associated Antenna	(Refer to Section H)	Modulation/ Services	
68) 16	26.5000-1660.5000	R	5K00G7W	Тх	16.50	15.50	A21		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
69) 15	25.0000-1559.0000	R	5K00G7W	Rx			A21		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
70) 15	25.0000-1559.0000	R	5K00G7W	Rx			A21		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
71) 16	26.5000-1660.5000	R	5K00G7W	Tx	11.00	10.00	A22		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
72) 16	26.5000-1660.5000	R	5K00G7W	Tx	11.00	10.00	A22		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
73) 16	26.5000-1660.5000	R	5K00G7W	Tx	11.00	10.00	A22		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
74) 15	25.0000-1559.0000	R	5K00G7W	Rx			A22		TDM signaling channel using diffenentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
75) 15:	25.0000-1559.0000	R	5K00G7W	Rx			A22		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps



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For the t	ext of these provisions, ref	fer to Section H	[.		Max	Max EIRP		Special	
#	Frequency (MHz)	Polarizatio Code	n Emission	Tx/Rx Mode	EIRP /Carrier	Density	Associated Antenna	Provisions (Refer to Section H)	Modulation/ Services
76) 162	6.5000-1660.5000	R	5K00G7W	Τx	16.50	15.50	A23		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
77) 162	6.5000-1660.5000	R ·	5K00G7W	Tx	16.50	15.50	A23		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
78) 162	6.5000-1660.5000	R	5K00G7W	Тx	16.50	15.50	A23		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
79) 152!	5.0000-1559.0000	R	5K00G7W	Rx			A23		TDM signaling channel using diffenentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
80) 152!	5.0000-1559.0000	R	5K00G7W	Rx			A23		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
81) 1620	5.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A3		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
82) 1626	5.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A3		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
83) 1620	5.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	АЗ		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)



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For the t	ext of these provisions, re	fer to Section H			Max	Max EIRP		Special	
#	Frequency (MHz)	Polarization Code	n Emission	Tx/Rx Mode	EIRP /Carrier (dBW)	Density /Carrier (dBW/4kHz)	Associated Antenna	Provisions (Refer to Section H)	Modulation/ Services
84) 152	5.0000-1559.0000	R	5K00G7W	Rx			А3		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
85) 152	5.0000-1559.0000	R	5K00G7W	Rx			A3		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
86) 162	6.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A4		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
87) 162	6.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A4		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
88) 162	6.5000-1660.5000	R	5K00G7W	Τx	16.50	15.50	A4		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
89) 152	5.0000-1559.0000	R	5K00G7W	Rx			A4		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
90) 152	5.0000-1559.0000	R	5K00G7W	Rx			A4		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
91) 162	6.5000-1660.5000	R	5K00G7W	Tχ	16.50	15.50	A5		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)



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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For t	he text of these provisions, re-	fer to Section H	[. .	Max EIRP		Max EIRP		Special	
#	Frequency (MHz)	Polarizatio Code	n Emission	Tx/Rx Mode	/Carrier	Density /Carrier (dBW/4kHz)	Associated Antenna	Provisions (Refer to Section H)	Modulation/ Services
92) 1	626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A5		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
93) 1	626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A5		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
94) 1	525.0000-1559.0000	R	5K00G7W	Rx			A5		TDM signaling channel using diffenentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
95) ₁	525.0000-1559.0000	R	5K00G7W	Rx			A5		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
96) 1	626.5000-1660.5000	R	5K00G7W	Тx	16.50	15.50	A6		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
97) 1	626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A6	·	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
98) 1	626.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A6		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
99) 1	525.0000-1559.0000	R	5K00G7W	Rx			A6		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)

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For the	text of these provisions, re	fer to Section H	· ·	Max EIRP	Max EIRP		Special Provisions		
#	Frequency (MHz)	Polarizatio Code	n Emission	Tx/Rx Mode	/Carrier	Density /Carrier (dBW/4kHz)	Associated Antenna	(Refer to Section H)	Modulation/ Services
100) 152	25.0000-1559.0000	R	5K00G7W	Rx			A6		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
101) 162	26.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A7		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
102) 162	26.5000-1660.5000	R	5K00G7W	Тx	16.50	15.50	A7		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
103) 162	26.5000-1660.5000	R	5K00G7W	Τx	16.50	15.50	A7		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
104) 152	25.0000-1559.0000	R	5K00G7W	Rx			A7		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
105) 152	25.0000-1559.0000	R	5K00G7W	Rx			A7		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
106) 162	26.5000-1660.5000	R	5K00G7W	Τx	15.00	14.00	A8		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
107) 162	26.5000-1660.5000	R	5K00G7W	Τx	15.00	14.00	A8		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps



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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

For the te	For the text of these provisions, refer to Section F				Max EIRP	Max EIRP Density		Special Provisions	
#	Frequency (MHz)	Polarization Code	ı Emission	Tx/Rx Mode	/Carrier	•	Associated Antenna	(Refer to Section H)	Modulation/ Services
108) 1626	5.5000-1660.5000	R	5K00G7W	Τx	15.00	14.00	A8		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
109) 1525	5.0000-1559.0000	R	5K00G7W	Rx			A8		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
110) 1525	5.0000-1559.0000	R	5K00G7W	Rx			A8		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
111) 1626	5.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A9		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
112) 1626	5.5000-1660.5000	R	5K00G7W	Tx	16.50	15.50	A9		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
113) 1626	5.5000-1660.5000	R	5K00G7W	Τx	16.50	15.50	A9		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
114) 1525	5.0000-1559.0000	R .	5K00G7W	Rx			A9		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
115) 1525	3.0000-1559.0000	R	5K00G7W	Rx			A9		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps



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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands. The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

For the t	ext of these provisions, re	fer to Section H.			Max	Max EIRP		Special	
#	Frequency (MHz)	Polarization Code	ı Emission	Tx/Rx Mode	EIRP /Carrier (dBW)	Density /Carrier (dBW/4kHz)	Associated Antenna	Provisions (Refer to Section H)	Modulation/ Services
116) 162	6.5000-1660.5000	R	5K00G7D	Tx	16.50	15.50	D1		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
117) 162	6.5000-1660.5000	R	5K00G7D	Tx	16.50	15.50	D1		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
118) 152	5.0000-1559.0000	R	5K00G7D	Rx			D1		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
119) 162	6.5000-1660.5000	R	5K00G7D	Τx	13.80	12.80	D2		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
120) 162	6.5000-1660.5000	R	5K00G7D	Tx	13.80	12.80	D2		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
121) 152	5.0000-1559.0000	R	5K00G7D	Rx			D2		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
122) 162	6.5000-1660.5000	R	5K00G7D	Τx	16.00	15.00	D3		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
123) 162	6.5000-1660.5000	R	5K00G7D	Tx	16.00	15.00	D3		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)

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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

For the tex	For the text of these provisions, refer to Section H.				Max Max EIRP EIRP Density			Special Provisions	
#	Frequency (MHz)	Polarization Code	n Emission	Tx/Rx Mode	/Carrier	•	Associated Antenna	(Refer to Section H)	Modulation/ Services
124) 1525.	.0000-1559.0000	R	5K00G7D	Rx			D3		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
125) 1626.	.5000-1660.5000	R	5K00G7D	Τx	16.00	15.00	D4		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
126) 1626.	5000-1660.5000	R	5K00G7D	Τx	16.00	15.00	D4		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
127) 1525.	0000-1559.0000	R	5K00G7D	Rx			D4		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
128) 1626.	5000-1660.5000	R	5K00G7D	Τx	11.50	10.50	D5		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
129) 1626.	5000-1660.5000	R	5K00G7D	Τx	11.50	10.50	D5		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
130) 1525.	0000-1559.0000	R	5K00G7D	Rx			D5		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)



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C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.) East West Limit Limit	Elevation (Degrees) East West Limit Limit	Azimuth (Degrees) East West. Limit Limit	
1)	1626.5000-1660.5000	106.5W-106.5W			A1
2)	1525.0000-1559.0000	106.5W-106.5W			A1
3)	1626.5000-1660.5000	106.5W-106.5W			A10
4)	1525.0000-1559.0000	106.5W-106.5W			A10
5)	1626.5000-1660.5000	106.5W-106.5W			A11
6)	1525.0000-1559.0000	106.5W-106.5W			A11
7)	1626.5000-1660.5000	106.5W-106.5W			A12
8)	1525.0000-1559.0000	106.5W-106.5W			A12
9)	1626.5000-1660.5000	106.5W-106.5W			A13
10)	1525.0000-1559.0000	106.5W-106.5W			A13
11)	1626.5000-1660.5000	106.5W-106.5W			A14
12)	1525.0000-1559.0000	106.5W-106.5W			A14
13)	1626.5000-1660.5000	106.5W-106.5W			A15
14)	1525.0000-1559.0000	106.5W-106.5W			A15
15)	1626.5000-1660.5000	106.5W-106.5W			A16
16)	1525.0000-1559.0000	106.5W-106.5W			A16
17)	1626.5000-1660.5000	106.5W-106.5W			A17
18)	1525.0000-1559.0000	106.5W-106.5W			A17
19)	1626.5000-1660.5000	106.5W-106.5W			A18
20)	1525.0000-1559.0000	NGSO			A18
21)	1626.5000-1660.5000	106.5W-106.5W			A19
22)	1525.0000-1559.0000	106.5W-106.5W			A19
23)	1626.5000-1660.5000	106.5W-106.5W			A2
24)	1525.0000-1559.0000	106.5W-106.5W			A2
25)	1626.5000-1660.5000	106.5W-106.5W			A20
26)	1525.0000-1559.0000	106.5W-106.5W			A20
27)	1626.5000-1660.5000	106.5W-106.5W			A21
28)	1525.0000-1559.0000	106.5W-106.5W			A21
29)	1626.5000-1660.5000	106.5W-106.5W			A22
30)	1525.0000-1559.0000	106.5W-106.5W			A22
31)	1626.5000-1660.5000	106.5W-106.5W			A23
32)	1525.0000-1559.0000	106.5W-106.5W			A23
33)	1626.5000-1660.5000	106.5W-106.5W			A3
34)	1525.0000-1559.0000	106.5W-106.5W			A3



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C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.) East West Limit Limit	Elevation (Degrees) East West Limit Limit	Azimuth (Degrees) East West Limit Limit		Associated Antenna(s)
35)	1626.5000-1660.5000	106.5W-106.5W			A4	
36)	1525.0000-1559.0000	106.5W-106.5W			A4	
37)	1626.5000-1660.5000	106.5W-106.5W			A5	
38)	1525.0000-1559.0000	106.5W-106.5W			A5	
39)	1626.5000-1660.5000	106.5W-106.5W			A6	
40)	1525.0000-1559.0000	106.5W-106.5W			A6	
11)	1626.5000-1660.5000	106.5W-106.5W			A7	
12)	1525.0000-1559.0000	106.5W-106.5W			A7	
13)	1626.5000-1660.5000	106.5W-106.5W			A8	
14)	1525.0000-1559.0000	106.5W-106.5W			A8	
15)	1626.5000-1660.5000	106.5W-106.5W			A9	
16)	1525.0000-1559.0000	106.5W-106.5W			A9	
17)	1626.5000-1660.5000	106.5W-106.5W			D1	
18)	1525.0000-1559.0000	106.5W-106.5W			D1	
19)	1626.5000-1660.5000	106.5W-106.5W			D2	
50)	1525.0000-1559.0000	106.5W-106.5W			D2	
51)	1626.5000-1660.5000	106.5W-106.5W			D3	
52)	1525.0000-1559.0000	106.5W-106.5W			D3	
53)	1626.5000-1660.5000	106.5W~106.5W			D4	
54)	1525.0000-1559.0000	106.5W-106.5W			D4	
55)	1626.5000-1660.5000	106.5W-106.5W			D5	
56)	1525.0000-1559.0000	106.5W-106.5W			D5	

D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

^{1) 1} to SKYTERRA 1 satellite @ 101.3 degrees W.L. satellite(s) of the (U.S.-licensed)

^{2) 1} to MSAT-2 satellite (AMSC-1) @ 103.3 degrees W.L. satellite (U.S.-licensed)

^{3) 1} to MSAT-1 @ 107.5 degrees W.L. (Canadian Licensed) (Non-U.S.-licensed)



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,	E) Anton	na racinties						Site	Max	Special Provisions
	Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model n		Elevation (Meters)	Antenna Height (Meters)	(Refer to Section H)
1		Al		V	WESTINGHOUSE/WEC Mas	st CD-JL0 P-1	J = 0 0 0 ,	0	3 AGL	
	Maxim	-	power	at antenna	9.0000 GHz 7. A flange (Watts) = .l carriers (dBW) =		1660.5000 3.00 2.50	GHz		
1		A10		0.35	MITSUBISHI/MELCO Briefcase	ST1	151 (0	1 AGL	
	Maxim	_	power		9.0000 GHz 14. a flange (Watts) = .1 carriers (dBW) =		1660.5000 1.70 6.50	GHz		
1		A11		0.25	MITSUBISHI/MELCO Omniquest	ST2	251 (0	1 AGL	
	Maxim	-	power		9.0000 GHz 11. 1 flange (Watts) = 1 carriers (dBW) =		1660.5000 3.50 .6.50	GHz		
1		A12			CAL / Calquest	CQ1	L00 (0	0 AGL	
	Maxim	-	power		9.0000 GHz 12. a flange (Watts) = .l carriers (dBW) =		.660.5000 2.60 6.50	GHz		
1		A13			MITSUBISHI/MELCO Transportable Dome	AU4	A00	0	3 AGL	
	Maxim	_	power		9.0000 GHz 12. 1 flange (Watts) = 1 carriers (dBW) =		.660.5000 2.80 6.50	GHz		
1		A14		0.46	MITSUBISHI/MELCO Omniquest Fixed	OQFAU,	ST251 (0	3 AGL	
	Maxim	_	power	at antenna	9.0000 GHz 16. 1 flange (Watts) = 1 carriers (dBW) =		.660.5000 1.10 6.50	GHz		



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	Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer		Mode	l number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1		A15		0.85	MITSUBISHI/MELCO	Fixed	AU601	B,ST221M	0	3 AGL	
		otal input	power	at anten	559.0000 GHz na flange (Watts) all carriers (dBW	=	dBi @	1660.500 .45 16.50	00 GHz		
1		A16		0.46	EMS/GETS		0955	5-A-0100	0	4.3 AGL	
		otal input	power	at anten	559.0000 GHz na flange (Watts) all carriers (dBW	=	dBi @	1660.500 2.80 17.50	00 GHz		
1		A17		0.46	WESTINGHOUSE/V M-1075 MARITI		M-107	5,D-100HF	0	3 AGL/ 6 AMSL	
		otal input	power	at anten	559.0000 GHz na flange (Watts) all carriers (dBW	=	dBi @	1660.500 1.48 16.50	00 GHz		
1		A18		0	WESTINGHOUSE WE	EC D	CD-JL0	1003,.D-1	.00	3 AGL	
		otal input	power	at anten	559.0000 GHz na flange (Watts) all carriers (dBW	=	dBi @	1660.500 3.00 16.50	00 GHz		
1		A19		0	WEC D-1000MH MAR	ITIME	CDJLO	1003-G02	0	3 AGL/ 6 AMSL	
		otal input	power	at anten	559.0000 GHz na flange (Watts) all carriers (dBW	=	dBi @	1660.500 3.00 16.50	0 GHz		
1		A2			WESTINGHOUSE/W			L01003,	0	3 AGL	
		otal input	power	at anten	559.0000 GHz na flange (Watts) all carriers (dBW	=	dBi @	1660.500 3.00 16.50	0 GHz		



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	Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	M	odel number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1		A20		м	ITSUBISHI/MELCO	DOME AU2	01A, ST-211	D 0	3 AGL	
	Maximur	_	t power		9.0000 GHz flange (Watts) l carriers (dBW	=	@ 1660.500 4.00 15.00	00 GHz		
1		A21		0.6 MI	TSUBISHI/MELCO	Fixed AU	601A,ST-221	0	3 AGL	
		n total inpu	power		9.0000 GHz flange (Watts) l carriers (dBW	=	@ 1665.500 .89	00 GHz		
1		n total inpu	power		KVH TRACPHON 9.0000 GHz flange (Watts) l carriers (dBW	12.5 dBi	J900A,ST131 @ 1660.500 2.50 16.50		3 AGL/ 6 AMSL	
1		A23		М	ITSUBISHI/MELCO	MAST A	J110A,ST111	0	3 AGL	
	Max Gai	ins(s):	7.0	dBi @ 155	9.0000 GHz	7.7 dBi	@ 1660.500	00 GHz		
		_	-		flange (Watts) l carriers (dBW		2.10 11.00			
1		А3		0.92 WE	STINGHOUSE/WEC Site(0.92m)	Fixed C	D-JL01083, F-1000	0	3 AGL	
		n total input	power		9.0000 GHz flange (Watts) l carriers (dBW	=	@ 1660.500 3.00 16.50	00 GHz		
1		A4		0.76 WE	STINGHOUSE/WEC Site(0.76m)	Fixed C	D-JL01083, F-1000	0	3 AGL	
		n total input	power		9.0000 GHz flange (Watts) l carriers (dBW	=	<pre>@ 1660.500 .46 16.50</pre>	00 GHz		



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,	Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Mode	l number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1		A 5		М	WESTINGHOUSE/WEC		01003 <i>-</i> G02	2 0	3 AGL/ 6 AMSL	
	Maximu	_	power		9.0000 GHz 11 flange (Watts) = l carriers (dBW) =		1660.500 3.00 16.50	00 GHz		
1		A6		1.2	WESTINGHOUSE/WEC Mult.Fixed Site	F-	1000MC	0	3 AGL	
	Maximu	-	power		9.0000 GHz 24 flange (Watts) = l carriers (dBW) =	.2 dBi @	1660.500 1.36 25.50	00 GHz		
1		A7		0.46	WESTINGHOUSE/KVH SO Maritime	C M-1015	5, D-100H	F O	3 AGL/ 6 AMSL	
	Maximu	-	power	at antenna	9.0000 GHz 14 flange (Watts) = l carriers (dBW) =		1660.500 1.48 16.50	00 GHz		
1		A8		М	ITSUBISHI/MELCO Dor	ne AU200 <i>F</i>	A, ST-111	D 0	3 AGL	
	Maximu		power		9.0000 GHz 9 flange (Watts) = l carriers (dBW) =		1660.500 4.00 15.00	00 GHz		
1		A 9		0.6 M	TSUBISHI/MELCO Fix Site	ed AU500)A,ST-121	0	3 AGL	
	Maximu	-	power		9.0000 GHz 17 flange (Watts) = l carriers (dBW) =	.0 dBi @	1660.500 .89 16.50	00 GHz		
1		D1			WESTINGHOUSE/WEC Contour Dome	CD-	JL01003	0	3 AGL	
	Maximu	-	power		9.0000 GHz 11. flange (Watts) = l carriers (dBW) =	.7 dBi @	1660.500 3.00 16.50	00 GHz		



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E) Antenna Facilities

	Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer		Model numbe	Site Elevation r (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1		D2		0.415	NARROWBAND/Narrow Fixed Site	wband	RST 2000	0	3 AGL	
	Maxir	-	t power	at antenna	59.0000 GHz a flange (Watts) ll carriers (dBW)	=	Bi @ 1660. .68 13.80	5000 GHz		
1		D3		1	NARROWBAND/Narrow Mobile	wband	MDT 1000	0	3 AGL	
	Maxim	*	t power	at antenna	59.0000 GHz a flange (Watts) ll carriers (dBW)	=	Bi @ 1660. 2.50 16.00	5000 GHz		
1		D4			EATON/Eaton Mob	ile	SCM	0	3 AGL	
	Maxim	-	t power	at antenna	59.0000 GHz a flange (Watts) ll carriers (dBW)	=	Bi @ 1660. 2.50 16.00	5000 GHz		
1		D5			EMS/Packet Data/ duplex	half	PDT-100	0	3 AGL	
	Maxim	•	t power a	at antenna	59.0000 GHz a flange (Watts) Ll carriers (dBW)	=	Bi @ 1660. 7.10 11.50	5000 GHz		

F) Remote Control Point:

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G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions



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H) Special and General Provisions

- A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:
 - 1010 --- Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.
 - 1900 --- Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.
 - 2916 --- Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
 - 3219 --- All existing transmitting facilities, operations and devices regulated by the Commission must be in compliance with the Commission's radiofrequency (RF) exposure guidelines, pursuant to Section 1.1307(b)(1) through (b)(3) of the Commission's rules, or if not in compliance, file an Environmental Assessment (EA) as specified in Section 1.1311. See 47 CFR § 1.1307 (b) (5).
 - 3465 --- This authorization is subject to the policies adopted in the Report and Order, "Amendment of the Commission's Regulatory Policies to allow Non-US-Licensed Space Stations to provide Domestic and International Satellite Services in the United States," IB Docket 96-111, FCC 97-399 (Released November 26, 1997). (DISCO II)
 - 3848 --- The authorized frequency band(s) has (have) been cleared with the National Telecommunications and Information Administration.
 - 5011 --- The Licensee(s) shall maintain on file with the Commission a current list or plan of the precise frequencies in use at the station, specifying for each frequency the RF center frequency, polarization, emission designator, nominal EIRP (in dBW) and maximum EIRP density (in dbW/4kHz). This list or plan may be submitted either on a station-by-station basis or on a system-wide basis and shall be updated within seven (7) days of any changes in frequency usage at this station. The Licensee(s) need not notify the Commission of temporary usage of frequencies for periods of less than seven (7) days. However, the Licensee(s) shall maintain accurate station records of the times and particulars of such temporary frequency usage.
 - 5012 --- The authority granted here is limited to the operation of the facilities described above and does not include any authority to install and operate channelizing equipment or any other authority under Section 214 of the Communications Act of 1934, as amended, to establish channels of communications.
 - 5017 --- Operation of this station is governed by the terms, conditions and limitations in Part 25 of the Commission's Rules and Regulations and the following additional conditions: 1. This license shall not vest in the Licensee(s) any right to operate the station or any right in the use of the frequencies designated in the license beyond its term or in any other manner than authorized in the license; 2. Neither the license nor the right granted under it shall be assigned or otherwise transferred in violation of the Commissions or otherwise transferred in violation of the Communications Act of 1934, as amended, or the Commission's Rules and Regulations issued under it; and 3. This station is subject to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended.



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H) Special and General Provisions

- A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:
 - 5756 --- This antenna is circular with a diameter of 0.46 m (antenna ID A7 & A17) or a circular array of 0.30 m (antenna ID A22). This antenna will be mounted on ships, yachts, trawlers, or other nautical vessels. The location of the mount depends on the particular vessel.
 - 5757 --- This antenna is dome-shaped with a base diameter of 16.5 cm and a height of 23 cm. This antenna will be used on vehicles. It will typically be mounted on the center of the roof of the vehicle or possibly on the center of the trunk lid of a car.
 - 5758 --- This antenna has a circular parabolic reflector of 0.6 m diameter (antenna ID A9 & A21) or a circular flat panel of 0.46 m diameter (antenna ID A14). This antenna will normally be mounted on the side of a building or on a trailer, 2 to 3 meters above the ground, in such a way to ensure a clear line of sight to the satellite.
 - 5759 --- This terminal is a briefcase unit, rectangular in shape with dimensions 49.5 cm by 48 cm and 12 cm high when closed. When the briefcase is opened, it has a maximum height of 46 cm. The top of the briefcase is used as the antenna. This terminal can be setup and used anywhere. It may be set on the ground or used on a table 1 m off the ground.
 - 5760 --- This terminal is a laptop unit, rectangular in shape with dimensions 28 cm by 20 cm and 6 cm high when closed. When the laptop is opened, it has a maximum height of 25 cm. The top of the laptop is used as the antenna. This terminal can be setup and used anywhere. It may be set on the ground or used on a table 1 m off the ground.
 - 5761 --- This terminal is designed to be used on an aircraft. The antenna is contained in an aerodynamically-shaped radome which is 73 cm long, 46 cm wide, and 15 cm high. This antenna will be mounted on the exterior of an aircraft, typically the center of the roof to avoid blockage by the body of the aircraft.
 - 5762 --- This antenna is dome-shaped with a base diameter of 29.5 cm and a height of 20 cm. This antenna will be used on vehicles. It will typically be mounted on the center of the roof of the vehicle or possibly on the center of the trunk lid of a car.
 - 5763 --- This antenna is dome-shaped with a base diameter of 27 cm and a height of 18 cm. This antenna will be used on vehicles. It will typically be mounted on the center of the roof of the vehicle or possibly on the center of the trunk lid of a car.
 - 5764 --- This antenna is rectangular in shape 42.5 cm long, 31 cm wide and 2.2 cm thick. This antenna will normally be mounted on the side of a building or on a trailer, 2 to 3 meters above the ground, in such a way to ensure a clear line of sight to the satellite.
 - 5765 --- This antenna is dome-shaped with a base diameter of 29.5 cm and a height of 20 cm. This antenna will be used on vehicles. It will typically be mounted on the center of the roof of the vehicle or possibly on the center of the trunk lid of a car.
 - 5766 --- This antenna is dome-shaped with a base diameter of 27 cm and a height of 18 cm. This antenna will be used on vehicles. It will typically be mounted on the center of the roof of the vehicle or possibly on the center of the trunk lid of a car.
 - 5767 --- This antenna is dome-shaped with a base diameter of 27 cm and a height of 18 cm. This antenna will be mounted on ships, yachts, trawlers, or other nautical vessels. The location of the mount depends on the particular vessel.



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B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R.§ 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station is not ready for operation by the required date of completion of construction unless an application for modification of authorization to request additional time to complete construction is filed by that date, together with a showing that failure to complete construction by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.

