



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

RADIO STATION AUTHORIZATION

Marlink, Inc.

Call Sign: WB36

Authorization Type: Modification of License

File Number: SES-MOD-20200528-00575

Non Common Carrier

Grant date: 09/01/2021

Expiration Date: 10/22/2026

Nature of Service: Earth Stations on-board Vessels

Nature of Service: Fixed Satellite Service

Class of Station: Earth Stations on-board Vessels/VSAT

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	1	C-BAND REMOTE ESVS/US AND INTL WATERS			83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
2)	2	KU-BAND ESV & VSAT Remotes US & INTL WATERS & CONUS, AK, HI, US&P			83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
3)	3	KU-BAND VSATS in CONUS, AK, HI, US&P			83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
4)	4	KA-BAND ESV & VSAT REMOTES US & INTL WATERS & CONUS, AK, HI, US&P			83	

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 October 22, 2011 (3 AM Eastern Standard Time) and ending October 22, 2026 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is September 1, 2022 (3 AM Eastern Standard Time) . Grantee must file with the Commission a certification upon completion of construction and commencement of operation.



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	29300.0000-30000.0000	L, R	100MG1W	Tx	73.09	29.12	2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
2)	29300.0000-30000.0000	L, R	100MG7W	Tx	73.09	29.12	2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3)	29300.0000-30000.0000	L, R	44K8G1W	Tx	68.09	57.60	2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
4)	29300.0000-30000.0000	L, R	44K8G7W	Tx	68.09	57.60	2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5)	28350.0000-29100.0000	L, R	100MG1W	Tx	73.09	29.12	2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
6)	28350.0000-29100.0000	L, R	100MG7W	Tx	73.09	29.12	2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
7)	28350.0000-29100.0000	L, R	44K8G1W	Tx	68.09	57.60	2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
8)	28350.0000-29100.0000	L, R	44K8G7W	Tx	68.09	57.60	2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
9)	19600.0000-20200.0000	L, R	200MG1W	Rx			2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10)	19600.0000-20200.0000	L, R	200MG7W	Rx			2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11)	19600.0000-20200.0000	L, R	44K8G1W	Rx			2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
12)	19600.0000-20200.0000	L, R	44K8G7W	Rx			2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
13)	17800.0000-19400.0000	L, R	200MG1W	Rx			2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14)	17800.0000-19400.0000	L, R	200MG7W	Rx			2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
15)	17800.0000-19400.0000	L, R	44K8G1W	Rx			2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
16)	17800.0000-19400.0000	L, R	44K8G7W	Rx			2400KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
17)	14000.0000-14500.0000	H, V	100MG1W	Tx	72.24	28.27	2400KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
18)	14000.0000-14500.0000	H, V	100MG7W	Tx	72.24	28.27	2400KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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19)	14000.0000-14500.0000	H, V	44K8G1W	Tx	43.09	32.60	2400KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
20)	14000.0000-14500.0000	H, V	44K8G7W	Tx	43.09	32.60	2400KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
21)	10700.0000-12200.0000	H, V	200MG1W	Rx			2400KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
22)	10700.0000-12200.0000	H, V	200MG7W	Rx			2400KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
23)	10700.0000-12200.0000	H, V	44K8G1W	Rx			2400KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
24)	10700.0000-12200.0000	H, V	44K8G7W	Rx			2400KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
25)	14000.0000-14500.0000	H, V	44K8G1W	Tx	30.70	20.20	3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
26)	14000.0000-14500.0000	H, V	44K8G7W	Tx	30.70	20.20	3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
27)	14000.0000-14500.0000	H, V	5M00G1W	Tx	51.20	20.20	3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
28)	14000.0000-14500.0000	H, V	5M00G7W	Tx	51.20	20.20	3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
29)	11450.0000-12200.0000	H, V	44K8G1W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
30)	11450.0000-12200.0000	H, V	44K8G7W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
31)	11450.0000-12200.0000	H, V	54M0G1W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
32)	11450.0000-12200.0000	H, V	54M0G7W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
33)	10950.0000-11200.0000	H, V	44K8G1W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
34)	10950.0000-11200.0000	H, V	44K8G7W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
35)	10950.0000-11200.0000	H, V	54M0G7W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
36)	10950.0000-11200.0000	H, V	54M0G1W	Rx	0.00		3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
37)	14000.0000-14500.0000	H, V	44K8G1W	Tx	34.70	24.20	4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
38)	14000.0000-14500.0000	H, V	44K8G7W	Tx	34.70	24.20	4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
39)	14000.0000-14500.0000	H, V	5M00G1W	Tx	51.07	20.10	4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
40)	14000.0000-14500.0000	H, V	5M00G7W	Tx	51.07	20.10	4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
41)	11450.0000-12200.0000	H, V	44K8G1W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
42)	11450.0000-12200.0000	H, V	44K8G7W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
43)	11450.0000-12200.0000	H, V	54M0G1W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
44)	11450.0000-12200.0000	H, V	54M0G7W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
45)	10950.0000-11200.0000	H, V	44K8G7W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
46)	10950.0000-11200.0000	H, V	54M0G1W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
47)	10950.0000-11200.0000	H, V	54M0G7W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
48)	10950.0000-11200.0000	H, V	44K8G1W	Rx	0.00		4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
49)	14000.0000-14500.0000	H, V	44K8G1W	Tx	34.80	24.30	4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
50)	14000.0000-14500.0000	H, V	44K8G7W	Tx	34.80	24.30	4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
51)	14000.0000-14500.0000	H, V	5M00G1W	Tx	51.87	20.90	4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
52)	14000.0000-14500.0000	H, V	5M00G7W	Tx	51.87	20.90	4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
53)	11450.0000-12200.0000	H, V	44K8G1W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
54)	11450.0000-12200.0000	H, V	44K8G7W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
55)	11450.0000-12200.0000	H, V	54M0G1W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
56)	11450.0000-12200.0000	H, V	54M0G7W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
57)	10950.0000-11200.0000	H, V	44K8G1W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
58)	10950.0000-11200.0000	H, V	44K8G7W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
59)	10950.0000-11200.0000	H, V	54M0G1W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
60)	10950.0000-11200.0000	H, V	54M0G7W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
61)	14000.0000-14500.0000	H, V	44K8G1W	Tx	35.70	25.20	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
62)	14000.0000-14500.0000	H, V	44K8G7W	Tx	35.70	25.20	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
63)	14000.0000-14500.0000	H, V	5M00G1W	Tx	53.50	22.50	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
64)	14000.0000-14500.0000	H, V	5M00G7W	Tx	53.50	22.50	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
65)	14000.0000-14500.0000	H, V	7M00G7W	Tx	53.50	11.70	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
66)	14000.0000-14500.0000	H, V	7M00G7W	Tx	53.50	11.70	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
67)	11450.0000-12200.0000	H, V	44K8G1W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
68)	11450.0000-12200.0000	H, V	44K8G7W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
69)	11450.0000-12200.0000	H, V	54M0G1W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
70)	11450.0000-12200.0000	H, V	54M0G7W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
71)	10950.0000-11200.0000	H, V	44K8G1W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
72)	10950.0000-11200.0000	H, V	44K8G7W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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73)	10950.0000-11200.0000	H, V	54M0G1W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
74)	10950.0000-11200.0000	H, V	54M0G7W	Rx		0.00	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
75)	14000.0000-14500.0000	H, V	44K8G1W	Tx	39.00	28.50	4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
76)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.00	28.50	4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
77)	14000.0000-14500.0000	H, V	8M00G1W	Tx	54.00	21.00	4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
78)	14000.0000-14500.0000	H, V	8M00G7W	Tx	54.00	21.00	4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
79)	11450.0000-12200.0000	H, V	44K8G1W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
80)	11450.0000-12200.0000	H, V	44K8G7W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
81)	11450.0000-12200.0000	H, V	54M0G1W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
82)	11450.0000-12200.0000	H, V	54M0G7W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
83)	10950.0000-11200.0000	H, V	44K8G1W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
84)	10950.0000-11200.0000	H, V	44K8G7W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
85)	10950.0000-11200.0000	H, V	54M0G1W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
86)	10950.0000-11200.0000	H, V	54M0G7W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
87)	14000.0000-14500.0000	H, V	44K8G1W	Tx	39.50	29.00	5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
88)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.50	29.00	5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
89)	14000.0000-14500.0000	H, V	8M00G1W	Tx	56.26	23.26	5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
90)	14000.0000-14500.0000	H, V	8M00G7W	Tx	56.26	23.26	5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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91)	11450.0000-12200.0000	H, V	44K8G1W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
92)	11450.0000-12200.0000	H, V	44K8G7W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
93)	11450.0000-12200.0000	H, V	54M0G1W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
94)	11450.0000-12200.0000	H, V	54M0G7W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
95)	10950.0000-11200.0000	H, V	44K8G1W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
96)	10950.0000-11200.0000	H, V	44K8G7W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
97)	10950.0000-11200.0000	H, V	54M0G1W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
98)	10950.0000-11200.0000	H, V	54M0G7W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
99)	14000.0000-14500.0000	H, V	10M0G1W	Tx	58.38	24.38	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
100)	14000.0000-14500.0000	H, V	10M0G7W	Tx	58.38	24.38	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
101)	14000.0000-14500.0000	H, V	40M0G1W	Tx	65.39	25.39	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
102)	14000.0000-14500.0000	H, V	40M0G7W	Tx	65.39	25.39	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
103)	14000.0000-14500.0000	H, V	44K8G1W	Tx	41.60	31.10	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
104)	14000.0000-14500.0000	H, V	44K8G7W	Tx	41.60	31.10	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
105)	11450.0000-12200.0000	H, V	44K8G1W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
106)	11450.0000-12200.0000	H, V	44K8G7W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
107)	11450.0000-12200.0000	H, V	54M0G7W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
108)	11450.0000-12200.0000	H, V	54M0G1W	Rx	0.00		6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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109)	10950.0000-11200.0000	H, V	44K8G1W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
110)	10950.0000-11200.0000	H, V	44K8G7W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
111)	10950.0000-11200.0000	H, V	54M0G1W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
112)	10950.0000-11200.0000	H, V	54M0G7W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
113)	14000.0000-14500.0000	H, V	44K8G1W	Tx	35.80	25.30	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
114)	14000.0000-14500.0000	H, V	44K8G7W	Tx	35.80	25.30	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
115)	14000.0000-14500.0000	H, V	5M00G1W	Tx	49.80	18.80	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
116)	14000.0000-14500.0000	H, V	5M00G7W	Tx	49.80	18.80	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
117)	14000.0000-14500.0000	H, V	7M00G1W	Tx	53.70	21.27	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
118)	14000.0000-14500.0000	H, V	7M00G7W	Tx	53.70	21.27	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
119)	11450.0000-12200.0000	H, V	44K8G1W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
120)	11450.0000-12200.0000	H, V	44K8G7W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
121)	11450.0000-12200.0000	H, V	54M0G1W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
122)	11450.0000-12200.0000	H, V	54M0G7W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
123)	10950.0000-11200.0000	H, V	44K8G1W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
124)	10950.0000-11200.0000	H, V	44K8G7W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
125)	10950.0000-11200.0000	H, V	54M0G1W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
126)	10950.0000-11200.0000	H, V	54M0G7W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
127)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	64.00	28.30	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
128)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	64.00	28.30	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
129)	5925.0000-6425.0000	H, V, L, R	40M0G1W	Tx	64.00	24.00	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
130)	5925.0000-6425.0000	H, V, L, R	40M0G7W	Tx	64.00	24.00	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
131)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	45.20	34.70	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
132)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	45.20	34.70	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
133)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
134)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
135)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
136)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx		0.00	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
137)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	64.00	28.30	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
138)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	64.00	28.30	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
139)	5925.0000-6425.0000	H, V, L, R	40M0G1W	Rx	64.00	24.00	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
140)	5925.0000-6425.0000	H, V, L, R	40M0G7W	Rx	64.00	24.00	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
141)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	45.20	34.70	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
142)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	45.20	34.70	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
143)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
144)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
145)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
146)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx			9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
147)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.50	29.00	9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
148)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.50	29.00	9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
149)	14000.0000-14500.0000	H, V	8M00G1W	Tx	56.26	23.26	9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
150)	14000.0000-14500.0000	H, V	8M00G7W	Tx	56.26	23.26	9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
151)	11450.0000-12200.0000	H, V	44K8G1W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
152)	11450.0000-12200.0000	H, V	44K8G7W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
153)	11450.0000-12200.0000	H, V	54M0G1W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
154)	11450.0000-12200.0000	H, V	54M0G7W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
155)	10950.0000-11200.0000	H, V	44K8G1W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
156)	10950.0000-11200.0000	H, V	44K8G7W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
157)	10950.0000-11200.0000	H, V	54M0G1W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
158)	10950.0000-11200.0000	H, V	54M0G7W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
159)	14000.0000-14500.0000	H, V	15M0G1W	Tx	67.70	32.00	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
160)	14000.0000-14500.0000	H, V	15M0G7W	Tx	67.70	32.00	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
161)	14000.0000-14500.0000	H, V	40M0G1W	Tx	71.72	31.72	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
162)	14000.0000-14500.0000	H, V	40M0G7W	Tx	71.72	31.72	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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 The General Provision 1900 applies to all transmitting frequency bands.
 For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
163)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.90	34.45	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
164)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.99	34.50	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
165)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.90	34.45	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
166)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.99	34.50	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
167)	11450.0000-12200.0000	H, V	44K8G1W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
168)	11450.0000-12200.0000	H, V	44K8G7W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
169)	11450.0000-12200.0000	H, V	54M0G1W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
170)	11450.0000-12200.0000	H, V	54M0G7W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
171)	10950.0000-11200.0000	H, V	44K8G1W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
172)	10950.0000-11200.0000	H, V	44K8G7W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
173)	10950.0000-11200.0000	H, V	54M0G1W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
174)	10950.0000-11200.0000	H, V	54M0G7W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
175)	14000.0000-14500.0000	H, V	44K8G1W	Tx	35.10	24.60	INTV100NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
176)	14000.0000-14500.0000	H, V	44K8G7W	Tx	35.10	24.60	INTV100NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
177)	14000.0000-14500.0000	H, V	54M0G1W	Tx	54.90	23.90	INTV100NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
178)	14000.0000-14500.0000	H, V	54M0G7W	Tx	54.90	23.90	INTV100NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
179)	10700.0000-12200.0000	H, V	44K8G1W	Rx			INTV100NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
180)	10700.0000-12200.0000	H, V	44K8G7W	Rx			INTV100NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
181)	10700.0000-12200.0000	H, V	54M0G1W	Rx			INTV100NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
182)	10700.0000-12200.0000	H, V	54M0G7W	Rx			INTV100NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
183)	14000.0000-14500.0000	H, V	44K8G1W	Tx	36.00	25.50	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
184)	14000.0000-14500.0000	H, V	44K8G7W	Tx	36.00	25.50	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
185)	14000.0000-14500.0000	H, V	5M00G1W	Tx	53.14	22.14	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
186)	14000.0000-14500.0000	H, V	5M00G7W	Tx	53.14	22.14	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
187)	14000.0000-14500.0000	H, V	7M00G1W	Tx	53.14	11.44	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
188)	14000.0000-14500.0000	H, V	7M00G7W	Tx	53.14	11.44	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
189)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
190)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
191)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
192)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
193)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
194)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
195)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
196)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
197)	14000.0000-14500.0000	H, V	40M0G1W	Tx	58.60	18.60	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
198)	14000.0000-14500.0000	H, V	40M0G7W	Tx	58.60	18.60	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
199)	14000.0000-14500.0000	H, V	44K8G1W	Tx	39.70	29.20	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
200)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.70	29.20	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
201)	14000.0000-14500.0000	H, V	8M00G1W	Tx	54.40	21.40	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
202)	14000.0000-14500.0000	H, V	8M00G7W	Tx	54.40	21.40	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
203)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
204)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
205)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
206)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
207)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
208)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
209)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
210)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
211)	14000.0000-14500.0000	H, V	44K8G1W	Tx	40.30	29.10	INTV130NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
212)	14000.0000-14500.0000	H, V	44K8G7W	Tx	40.30	29.10	INTV130NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
213)	14000.0000-14500.0000	H, V	8M00G1W	Tx	58.41	25.41	INTV130NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
214)	14000.0000-14500.0000	H, V	8M00G7W	Tx	58.41	25.41	INTV130NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
215)	10700.0000-12200.0000	H, V	44K8G1W	Rx			INTV130NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
216)	10700.0000-12200.0000	H, V	44K8G7W	Rx			INTV130NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
217)	10700.0000-12200.0000	H, V	54M0G7W	Tx			INTV130NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
218)	10700.0000-12200.0000	H, V	5M00G1W	Tx			INTV130NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
219)	14000.0000-14500.0000	H, V	44K8G1W	Tx	41.60	31.10	INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
220)	14000.0000-14500.0000	H, V	44K8G7W	Tx	41.60	31.10	INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
221)	14000.0000-14500.0000	H, V	50M0G1W	Tx	66.90	25.90	INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
222)	14000.0000-14500.0000	H, V	50M0G7W	Tx	66.90	25.90	INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
223)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
224)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
225)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
226)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
227)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
228)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
229)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
230)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
231)	10700.0000-12200.0000	H, V	44K8G1W	Rx			INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
232)	10700.0000-12200.0000	H, V	44K8G7W	Rx			INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
233)	10700.0000-12200.0000	H, V	54M0G1W	Rx			INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
234)	10700.0000-12200.0000	H, V	54M0G7W	Rx			INTV150NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
235)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	60.70	25.00	INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
236)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	60.70	25.00	INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
237)	14000.0000-14500.0000	H, V	15M0G1W	Tx	66.60	30.90	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
238)	14000.0000-14500.0000	H, V	15M0G7W	Tx	66.60	30.90	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
239)	14000.0000-14500.0000	H, V	40M0G1W	Tx	70.38	30.38	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
240)	14000.0000-14500.0000	H, V	40M0G7W	Tx	70.38	30.38	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
241)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.50	34.00	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
242)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.50	34.00	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
243)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
244)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
245)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
246)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
247)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
248)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
249)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
250)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
251)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	63.91	28.17	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
252)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	63.91	28.17	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
253)	5925.0000-6425.0000	H, V, L, R	40M0G1W	Tx	63.91	22.01	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
254)	5925.0000-6425.0000	H, V, L, R	40M0G7W	Tx	63.91	22.01	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
255)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	44.98	34.48	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
256)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	44.98	34.48	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
257)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
258)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
259)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
260)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx			INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
261)	14000.0000-14500.0000	H, V	15M0G1W	Tx	66.60	30.86	INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
262)	14000.0000-14500.0000	H, V	15M0G7W	Tx	66.60	30.86	INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
263)	14000.0000-14500.0000	H, V	40M0G1W	Tx	70.58	30.58	INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
264)	14000.0000-14500.0000	H, V	40M0G7W	Tx	70.58	30.58	INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
265)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.90	34.40	INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
266)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.90	34.40	INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
267)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
268)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
269)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
270)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
271)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
272)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
273)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
274)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
275)	14000.0000-14500.0000	H, V	1M20G1W	Tx	40.57	15.80	INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
276)	14000.0000-14500.0000	H, V	1M20G7W	Tx	40.57	15.80	INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
277)	14000.0000-14500.0000	H, V	44K8G1W	Tx	26.30	15.80	INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
278)	14000.0000-14500.0000	H, V	44K8G7W	Tx	26.30	15.80	INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
279)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
280)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
281)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
282)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
283)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
284)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
285)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
286)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
287)	14000.0000-14500.0000	H, V	1M20G1W	Tx	40.37	15.60	INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
288)	14000.0000-14500.0000	H, V	1M20G7W	Tx	40.37	15.60	INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
289)	14000.0000-14500.0000	H, V	44K8G1W	Tx	26.09	15.60	INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
290)	14000.0000-14500.0000	H, V	44K8G7W	Tx	26.09	15.60	INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
291)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
292)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
293)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
294)	11450.0000-12200.0000	H, V	54M0G1W	Rx	0.00		INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
295)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
296)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
297)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
298)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
299)	14000.0000-14500.0000	H, V	1M20G1W	Tx	44.14	19.37	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
300)	14000.0000-14500.0000	H, V	1M20G7W	Tx	44.14	19.37	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
301)	14000.0000-14500.0000	H, V	2M10G1W	Tx	52.30	25.10	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
302)	14000.0000-14500.0000	H, V	2M10G7W	Tx	52.30	25.10	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
303)	14000.0000-14500.0000	H, V	44K8G1W	Tx	29.87	19.37	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
304)	14000.0000-14500.0000	H, V	44K8G7W	Tx	29.87	19.37	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
305)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
306)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
307)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
308)	11450.0000-12200.0000	H, V	44K8G7W	Rx	0.00		INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
309)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
310)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
311)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
312)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
313)	14000.0000-14500.0000	H, V	2M10G1W	Tx	46.85	19.65	INTV80e		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
314)	14000.0000-14500.0000	H, V	2M10G7W	Tx	46.85	19.65	INTV80e		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
315)	14000.0000-14500.0000	H, V	44K8G1W	Tx	30.99	20.50	INTV80e		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
316)	14000.0000-14500.0000	H, V	44K8G7W	Tx	30.99	20.50	INTV80e		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
317)	10700.0000-12200.0000	H, V	44K8G1W	Rx			INTV80e		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
318)	10700.0000-12200.0000	H, V	44K8G7W	Rx			INTV80e		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
319)	10700.0000-12200.0000	H, V	54M0G1W	Rx			INTV80e		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
320)	10700.0000-12200.0000	H, V	54M0G7W	Rx			INTV80e		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
321)	14000.0000-14500.0000	H, V	2M10G1W	Tx	49.70	22.50	INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
322)	14000.0000-14500.0000	H, V	2M10G7W	Tx	49.70	22.50	INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
323)	14000.0000-14500.0000	H, V	44K8G1W	Tx	33.00	22.50	INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
324)	14000.0000-14500.0000	H, V	44K8G7W	Tx	33.00	22.50	INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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The General Provision 1010 applies to all receiving frequency bands.
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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
325)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
326)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
327)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
328)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
329)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
330)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
331)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
332)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
333)	10700.0000-12200.0000	H, V	44K8G1W	Rx			INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
334)	10700.0000-12200.0000	H, V	44K8G7W	Rx			INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
335)	10700.0000-12200.0000	H, V	54M0G1W	Rx			INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
336)	10700.0000-12200.0000	H, V	54M0G7W	Rx			INTV85NX		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
337)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.22	33.72	MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
338)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.22	33.72	MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
339)	10950.0000-11200.0000	H, V	54M0G1W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
340)	10950.0000-11200.0000	H, V	54M0G7W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
341)	14000.0000-14500.0000	H, V	1M10G1W	Tx	46.34	21.95	MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
342)	14000.0000-14500.0000	H, V	1M10G7W	Tx	46.34	21.95	MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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The General Provision 1010 applies to all receiving frequency bands.
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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
343)	14000.0000-14500.0000	H, V	44K8G1W	Tx	34.93	24.43	MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
344)	14000.0000-14500.0000	H, V	44K8G7W	Tx	34.93	24.43	MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
345)	11450.0000-12200.0000	H, V	44K8G1W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
346)	11450.0000-12200.0000	H, V	44K8G7W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
347)	11450.0000-12200.0000	H, V	54M0G1W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
348)	11450.0000-12200.0000	H, V	54M0G7W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
349)	10950.0000-11200.0000	H, V	44K8G1W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
350)	10950.0000-11200.0000	H, V	44K8G7W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
351)	10950.0000-11200.0000	H, V	54M0G1W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
352)	10950.0000-11200.0000	H, V	54M0G7W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
353)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	61.50	25.76	OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
354)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	61.50	25.76	OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
355)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	39.49	29.00	OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
356)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	39.49	29.00	OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
357)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
358)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
359)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx			OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
360)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx	0.00		OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
361)	14000.0000-14500.0000	H, V	15M0G1W	Tx	65.50	29.76	OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
362)	14000.0000-14500.0000	H, V	15M0G7W	Tx	65.50	29.76	OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
363)	14000.0000-14500.0000	H, V	44K8G1W	Tx	40.50	29.99	OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
364)	14000.0000-14500.0000	H, V	44K8G7W	Tx	40.50	29.99	OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
365)	11450.0000-12200.0000	H, V	44K8G1W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
366)	11450.0000-12200.0000	H, V	44K8G7W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
367)	11450.0000-12200.0000	H, V	54M0G1W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
368)	11450.0000-12200.0000	H, V	54M0G7W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
369)	10950.0000-11200.0000	H, V	44K8G1W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
370)	10950.0000-11200.0000	H, V	44K8G7W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
371)	10950.0000-11200.0000	H, V	54M0G1W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
372)	10950.0000-11200.0000	H, V	54M0G7W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
373)	14000.0000-14500.0000	H, V	44K8G1W	Tx	35.40	24.90	ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
374)	14000.0000-14500.0000	H, V	44K8G7W	Tx	35.40	24.90	ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
375)	14000.0000-14500.0000	H, V	8M00G1W	Tx	57.90	24.90	ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
376)	14000.0000-14500.0000	H, V	8M00G7W	Tx	57.90	24.90	ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
377)	11450.0000-12200.0000	H, V	44K8G1W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
378)	11450.0000-12200.0000	H, V	44K8G7W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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The General Provision 1900 applies to all transmitting frequency bands.

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

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
379)	11450.0000-12200.0000	H, V	54M0G1W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
380)	11450.0000-12200.0000	H, V	54M0G7W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
381)	10950.0000-11200.0000	H, V	44K8G1W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
382)	10950.0000-11200.0000	H, V	44K8G7W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
383)	10950.0000-11200.0000	H, V	54M0G1W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
384)	10950.0000-11200.0000	H, V	54M0G7W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
385)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	60.90	25.16	ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
386)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	60.90	25.16	ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
387)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	40.59	30.10	ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
388)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	40.59	30.10	ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
389)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
390)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
391)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
392)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx	0.00		ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
393)	14000.0000-14500.0000	H, V	44K8G1W	Tx	34.61	24.12	ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
394)	14000.0000-14500.0000	H, V	44K8G7W	Tx	34.61	24.12	ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
395)	14000.0000-14500.0000	H, V	8M00G1W	Tx	57.13	24.12	ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
396)	14000.0000-14500.0000	H, V	8M00G7W	Tx	57.13	24.12	ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
397)	11450.0000-12200.0000	H, V	44K8G1W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
398)	11450.0000-12200.0000	H, V	44K8G7W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
399)	11450.0000-12200.0000	H, V	54M0G1W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
400)	11450.0000-12200.0000	H, V	54M0G7W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
401)	10950.0000-11200.0000	H, V	44K8G1W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
402)	10950.0000-11200.0000	H, V	44K8G7W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
403)	10950.0000-11200.0000	H, V	54M0G1W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
404)	10950.0000-11200.0000	H, V	54M0G7W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
405)	14000.0000-14500.0000	H, V	10M0G1W	Tx	58.84	24.84	SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
406)	14000.0000-14500.0000	H, V	10M0G7W	Tx	58.84	24.84	SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
407)	14000.0000-14500.0000	H, V	64K0G1W	Tx	40.14	28.10	SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
408)	14000.0000-14500.0000	H, V	64K0G7W	Tx	40.14	28.10	SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
409)	11700.0000-12200.0000	H, V	1M00G1W	Rx			SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
410)	11700.0000-12200.0000	H, V	1M00G7W	Rx			SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
411)	11700.0000-12200.0000	H, V	36M0G1W	Rx			SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
412)	11700.0000-12200.0000	H, V	36M0G7W	Rx			SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
413)	14000.0000-14500.0000	H, V	1M10G1W	Tx	41.80	17.40	SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
414)	14000.0000-14500.0000	H, V	1M10G7W	Tx	41.80	17.40	SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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The General Provision 1010 applies to all receiving frequency bands.

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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
415)	14000.0000-14500.0000	H, V	44K8G1W	Tx	27.90	17.40	SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
416)	14000.0000-14500.0000	H, V	44K8G7W	Tx	27.90	17.40	SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
417)	11450.0000-12200.0000	H, V	44K8G1W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
418)	11450.0000-12200.0000	H, V	44K8G7W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
419)	11450.0000-12200.0000	H, V	54M0G1W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
420)	11450.0000-12200.0000	H, V	54M0G7W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
421)	10950.0000-11200.0000	H, V	44K8G1W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
422)	10950.0000-11200.0000	H, V	44K8G7W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
423)	10950.0000-11200.0000	H, V	54M0G1W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
424)	10950.0000-11200.0000	H, V	54M0G7W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
425)	14000.0000-14500.0000	H, V	1M10G1W	Tx	40.50	16.10	TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
426)	14000.0000-14500.0000	H, V	1M10G7W	Tx	40.50	16.10	TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
427)	14000.0000-14500.0000	H, V	44K8G1W	Tx	26.60	16.10	TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
428)	14000.0000-14500.0000	H, V	44K8G7W	Tx	26.60	16.10	TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
429)	11450.0000-12200.0000	H, V	44K8G1W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
430)	11450.0000-12200.0000	H, V	44K8G7W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
431)	11450.0000-12200.0000	H, V	54M0G1W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
432)	11450.0000-12200.0000	H, V	54M0G7W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
433)	10950.0000-11200.0000	H, V	44K8G1W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
434)	10950.0000-11200.0000	H, V	44K8G7W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
435)	10950.0000-11200.0000	H, V	54M0G1W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
436)	10950.0000-11200.0000	H, V	54M0G7W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
437)	14000.0000-14500.0000	H, V	2M10G1W	Tx	47.40	20.20	TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
438)	14000.0000-14500.0000	H, V	2M10G7W	Tx	47.40	20.20	TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
439)	14000.0000-14500.0000	H, V	44K8G1W	Tx	31.30	20.80	TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
440)	14000.0000-14500.0000	H, V	44K8G7W	Tx	31.30	20.80	TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
441)	14000.0000-14500.0000	H, V	5M00G1W	Tx	51.70	20.80	TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
442)	14000.0000-14500.0000	H, V	5M00G7W	Tx	51.70	20.80	TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
443)	11450.0000-12200.0000	H, V	44K8G1W	Rx			TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
444)	11450.0000-12200.0000	H, V	44K8G7W	Rx			TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
445)	11450.0000-12200.0000	H, V	54M0G1W	Rx			TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
446)	11450.0000-12200.0000	H, V	54M0G7W	Rx			TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
447)	10950.0000-11200.0000	H, V	44K8G1W	Rx			TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
448)	10950.0000-11200.0000	H, V	44K8G7W	Rx			TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
449)	10950.0000-11200.0000	H, V	54M0G1W	Rx			TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
450)	10950.0000-11200.0000	H, V	54M0G7W	Rx			TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
451)	10700.0000-12200.0000	H, V	44K8G1W	Rx			TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
452)	10700.0000-12200.0000	H, V	44K8G7W	Rx			TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
453)	10700.0000-12200.0000	H, V	54M0G1W	Rx			TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
454)	10700.0000-12200.0000	H, V	54M0G7W	Rx			TTSA80020		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
455)	14000.0000-14500.0000	H, V	44K8G1W	Tx	36.40	25.90	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
456)	14000.0000-14500.0000	H, V	44K8G7W	Tx	36.40	25.90	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
457)	14000.0000-14500.0000	H, V	5M00G1W	Tx	53.44	22.44	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
458)	14000.0000-14500.0000	H, V	5M00G7W	Tx	53.44	22.44	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
459)	14000.0000-14500.0000	H, V	7M00G1W	Tx	53.44	21.01	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
460)	14000.0000-14500.0000	H, V	7M00G7W	Tx	53.44	21.01	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
461)	11450.0000-12200.0000	H, V	44K8G1W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
462)	11450.0000-12200.0000	H, V	44K8G7W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
463)	11450.0000-12200.0000	H, V	54M0G1W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
464)	11450.0000-12200.0000	H, V	54M0G7W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
465)	10950.0000-11200.0000	H, V	44K8G1W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
466)	10950.0000-11200.0000	H, V	44K8G7W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
467)	10950.0000-11200.0000	H, V	54M0G1W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
468)	10950.0000-11200.0000	H, V	54M0G7W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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RADIO STATION AUTHORIZATION

Marlink, Inc.

Call Sign: WB36

Authorization Type: Modification of License

File Number: SES-MOD-20200528-00575

Non Common Carrier

Grant date: 09/01/2021

Expiration Date: 10/22/2026

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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
469)	29300.0000-30000.0000	L,R	100MG1W	Tx	70.30	26.30	V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
470)	29300.0000-30000.0000	L,R	100MG7W	Tx	70.30	26.30	V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
471)	29300.0000-30000.0000	L,R	44K8G1W	Tx	59.60	48.40	V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
472)	29300.0000-30000.0000	L,R	44K8G7W	Tx	59.60	48.40	V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
473)	28350.0000-29100.0000	L,R	100MG1W	Tx	70.30	26.30	V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
474)	28350.0000-29100.0000	L,R	100MG7W	Tx	70.30	26.30	V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
475)	28350.0000-29100.0000	L,R	44K8G1W	Tx	59.60	48.40	V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
476)	28350.0000-29100.0000	L,R	44K8G7W	Tx	59.60	48.40	V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
477)	19600.0000-20200.0000	L,R	200MG1W	Rx			V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
478)	19600.0000-20200.0000	L,R	200MG7W	Rx			V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
479)	19600.0000-20200.0000	L,R	44K8G1W	Rx			V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
480)	19600.0000-20200.0000	L,R	44K8G7W	Rx			V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
481)	17800.0000-19400.0000	L,R	200MG1W	Rx			V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
482)	17800.0000-19400.0000	L,R	200MG7W	Rx			V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
483)	17800.0000-19400.0000	L,R	44K8G1W	Rx			V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
484)	17800.0000-19400.0000	L,R	44K8G7W	Rx			V240MT2KA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
485)	14000.0000-14500.0000	H,V	100MG1W	Tx	72.90	28.90	V240MT2KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
486)	14000.0000-14500.0000	H,V	100MG7W	Tx	72.90	28.90	V240MT2KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
487)	14000.0000-14500.0000	H, V	44K8G1W	Tx	43.00	32.50	V240MT2KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
488)	14000.0000-14500.0000	H, V	44K8G7W	Tx	43.00	32.50	V240MT2KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
489)	10700.0000-12200.0000	H, V	200MG1W	Rx			V240MT2KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
490)	10700.0000-12200.0000	H, V	200MG7W	Rx			V240MT2KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
491)	10700.0000-12200.0000	H, V	44K8G1W	Rx			V240MT2KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
492)	10700.0000-12200.0000	H, V	44K8G7W	Rx			V240MT2KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
493)	29300.0000-30000.0000	L, R	100MG1W	Tx	69.80	25.80	V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
494)	29300.0000-30000.0000	L, R	100MG7W	Tx	69.80	25.80	V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
495)	29300.0000-30000.0000	L, R	44K8G1W	Tx	62.10	51.60	V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
496)	29300.0000-30000.0000	L, R	44K8G7W	Tx	62.10	51.60	V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
497)	28350.0000-29100.0000	L, R	100MG1W	Tx	69.80	25.80	V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
498)	28350.0000-29100.0000	L, R	100MG7W	Tx	69.80	25.80	V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
499)	28350.0000-29100.0000	L, R	44K8G1W	Tx	62.10	51.60	V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
500)	28350.0000-29100.0000	L, R	44K8G7W	Tx	62.10	51.60	V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
501)	19600.0000-20200.0000	L, R	200MG1W	Rx			V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
502)	19600.0000-20200.0000	L, R	200MG7W	Rx			V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
503)	19600.0000-20200.0000	L, R	44K8G1W	Rx			V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
504)	19600.0000-20200.0000	L, R	44K8G7W	Rx			V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
505)	17800.0000-19400.0000	L, R	200MG1W	Rx			V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
506)	17800.0000-19400.0000	L, R	200MG7W	Rx			V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
507)	17800.0000-19400.0000	L, R	44K8G1W	Rx			V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
508)	17800.0000-19400.0000	L, R	44K8G7W	Rx			V240MTKA		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
509)	14000.0000-14500.0000	H, V	100MG1W	Tx	71.60	27.60	V240MTKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
510)	14000.0000-14500.0000	H, V	100MG7W	Tx	71.60	27.60	V240MTKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
511)	14000.0000-14500.0000	H, V	44K8G1W	Tx	39.50	29.00	V240MTKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
512)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.50	29.00	V240MTKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
513)	10700.0000-12200.0000	H, V	200MG1W	Rx			V240MTKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
514)	10700.0000-12200.0000	H, V	200MG7W	Rx			V240MTKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
515)	10700.0000-12200.0000	H, V	44K8G1W	Rx			V240MTKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
516)	10700.0000-12200.0000	H, V	44K8G7W	Rx			V240MTKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1)	10950.0000-12200.0000			05.0	-05.0			4003	
2)	14000.0000-14500.0000			05.0	-05.0			4003	
3)	10950.0000-12200.0000			05.0	-05.0			TTSA900	
4)	14000.0000-14500.0000			05.0	-05.0			TTSA900	
5)	10950.0000-12200.0000			05.0	-05.0			INTV60G	



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C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
6)	14000.0000-14500.0000			05.0	-05.0				INTV60G
7)	10950.0000-12200.0000			05.0	-05.0				INTV80G
8)	14000.0000-14500.0000			05.0	-05.0				INTV80G
9)	10950.0000-12200.0000			05.0	-05.0				INTV110
10)	14000.0000-14500.0000			05.0	-05.0				INTV110
11)	10950.0000-12200.0000			05.0	-05.0				9711QORKU
12)	14000.0000-14500.0000			05.0	-05.0				9711QORKU
13)	10950.0000-12200.0000			05.0	-05.0				6006/9/12
14)	14000.0000-14500.0000			05.0	-05.0				6006/9/12
15)	10950.0000-12200.0000			05.0	-05.0				9797/11KU
16)	14000.0000-14500.0000			05.0	-05.0				9797/11KU
17)	10950.0000-12200.0000			05.0	-05.0				INTV240K
18)	14000.0000-14500.0000			05.0	-05.0				INTV240K
19)	14000.0000-14500.0000			05.0	-05.0				4006/9/10
20)	10950.0000-12200.0000			05.0	-05.0				4006/9/10
21)	10950.0000-12200.0000			05.0	-05.0				4996
22)	14000.0000-14500.0000			05.0	-05.0				4996
23)	10950.0000-12200.0000			05.0	-05.0				5009/10/12
24)	14000.0000-14500.0000			05.0	-05.0				5009/10/12
25)	14000.0000-14500.0000			05.0	-05.0				900B/FV110
26)	10950.0000-12200.0000			05.0	-05.0				900B/FV110
27)	14000.0000-14500.0000			05.0	-05.0				OR7-300K
28)	10950.0000-12200.0000			05.0	-05.0				OR7-300K
29)	14000.0000-14500.0000			05.0	-05.0				ORAL-7103
30)	10950.0000-12200.0000			05.0	-05.0				ORAL-7103
31)	14000.0000-14500.0000			05.0	-05.0				ORTR4-500
32)	10950.0000-12200.0000			05.0	-05.0				ORTR4-500
33)	14000.0000-14500.0000			05.0	-05.0				INTV65/65G
34)	10950.0000-12200.0000			05.0	-05.0				INTV65/65G
35)	14000.0000-14500.0000			05.0	-05.0				MITMVA120
36)	10950.0000-12200.0000			05.0	-05.0				MITMVA120
37)	14000.0000-14500.0000			05.0	-05.0				INTV100
38)	10950.0000-12200.0000			05.0	-05.0				INTV100
39)	10950.0000-12200.0000			05.0	-05.0				INTV130/G
40)	14000.0000-14500.0000			05.0	-05.0				INTV130/G



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C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
41)	10700.0000-12200.0000			05.0	-05.0				INTV130/G
42)	10950.0000-12200.0000			05.0	-05.0				MITMVA60
43)	14000.0000-14500.0000			05.0	-05.0				MITMVA60
44)	10950.0000-12200.0000			05.0	-05.0				TTSA80020
45)	14000.0000-14500.0000			05.0	-05.0				TTSA80020
46)	10700.0000-12200.0000			05.0	-05.0				TTSA80020
47)	14000.0000-14500.0000			05.0	-05.0				INTV240MK
48)	10950.0000-12200.0000			05.0	-05.0				INTV240MK
49)	14000.0000-14500.0000			05.0	-05.0				INTV150NX
50)	10700.0000-12200.0000			05.0	-05.0				INTV150NX
51)	14000.0000-14500.0000			05.0	-05.0				INTV80e
52)	10700.0000-12200.0000			05.0	-05.0				INTV80e
53)	14000.0000-14500.0000			05.0	-05.0				INTV100NX
54)	10700.0000-12200.0000			05.0	-05.0				INTV100NX
55)	14000.0000-14500.0000			05.0	-05.0				INTV130NX
56)	14000.0000-14500.0000			05.0	-05.0				V240MTKU
57)	10700.0000-12200.0000			05.0	-05.0				V240MTKU
58)	14000.0000-14500.0000			05.0	-05.0				V240MT2KU
59)	10700.0000-12200.0000			05.0	-05.0				V240MT2KU
60)	14000.0000-14500.0000			05.0	-05.0				2400KU
61)	10700.0000-12200.0000			05.0	-05.0				2400KU
62)	14000.0000-14500.0000			05.0	-05.0				INTV85NX
63)	10700.0000-12200.0000			05.0	-05.0				INTV85NX
64)	14000.0000-14500.0000			05.0	-05.0				TTSA600
65)	10950.0000-12200.0000			05.0	-05.0				TTSA600
66)	10950.0000-12200.0000			05.0	-05.0				SAT30/3011
67)	14000.0000-14500.0000			05.0	-05.0				SAT30/3011
68)	10950.0000-12200.0000			05.0	-05.0				3612
69)	14000.0000-14500.0000			05.0	-05.0				3612
70)	3700.0000-4200.0000			05.0	-05.0				4012
71)	10950.0000-12200.0000			05.0	-05.0				4012
72)	14000.0000-14500.0000			05.0	-05.0				4012
73)	5925.0000-6425.0000			05.0	-05.0				9707/97/11
74)	5925.0000-6425.0000			05.0	-05.0				INTV240
75)	3700.0000-4200.0000			05.0	-05.0				INTV240



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C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
76)	3700.0000-4200.0000			05.0	-05.0				9711QORC
77)	5925.0000-6425.0000			05.0	-05.0				9711QORC
78)	5925.0000-6425.0000			05.0	-05.0				OR7-300C
79)	3700.0000-4200.0000			05.0	-05.0				OR7-300C
80)	5925.0000-6425.0000			05.0	-05.0				INTV240MC
81)	3700.0000-4200.0000			05.0	-05.0				INTV240MC
82)	5925.0000-6425.0000			05.0	-05.0				ORAL-7108
83)	3700.0000-4200.0000			05.0	-05.0				ORAL-7108
84)	14000.0000-14500.0000	64.0W	-144.0W	05.0	-05.0				SA1.2MFLY
85)	11700.0000-12200.0000	64.0W	-144.0W	05.0	-05.0				SA1.2MFLY
86)	28350.0000-30000.0000			05.0	-05.0				2400KA
87)	17800.0000-20200.0000			05.0	-05.0				2400KA
88)	28350.0000-30000.0000			05.0	-05.0				V240MTKA
89)	17800.0000-20200.0000			05.0	-05.0				V240MTKA
90)	28350.0000-30000.0000			05.0	-05.0				V240MT2KA
91)	17800.0000-20200.0000			05.0	-05.0				V240MT2KA

D) Points of Communications

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

- 1) 2 to Permitted Space Station List
- 2) 1 to Permitted Space Station List
- 3) 1 to SES-4 (S2828) @ 22 degrees W.L. (Netherlands-licensed)
- 4) 1 to NSS- 9 (S2756) @ 177 W.L. (Netherlands-licensed)
- 5) 3 to Permitted Space Station List
- 6) 4 to Permitted Space Station List



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E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
4	2400KA	500	2.4	SEA TEL	2400KA			
	Max Gains(s):		50.6 dBi @	19.2000 GHz	54.0 dBi @	29.5000 GHz	54.1 dBi @	
			29.0000 GHz					
	Maximum total input power at antenna flange (Watts) =					79.40		
	Maximum aggregate output EIRP for all carriers (dBW) =					73.09		
2	2400KU	500	2.4	SEA TEL	2400KU			
	Max Gains(s):		46.7 dBi @	11.7000 GHz	48.1 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =					260.00		
	Maximum aggregate output EIRP for all carriers (dBW) =					72.24		
2	3612	500	0.9	SEA TEL	3612			
	Max Gains(s):		39.0 dBi @	11.7000 GHz	40.5 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =					15.14		
	Maximum aggregate output EIRP for all carriers (dBW) =					52.30		
2	4003	500	1	SEA TEL	4003			
	Max Gains(s):		39.4 dBi @	12.2000 GHz	40.5 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =					11.40		
	Maximum aggregate output EIRP for all carriers (dBW) =					51.07		
2	4006/9/10	1000	1	SEA TEL	4006, 4009 & 4010			
	Max Gains(s):		39.6 dBi @	12.2000 GHz	40.6 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =					13.40		
	Maximum aggregate output EIRP for all carriers (dBW) =					51.87		
2	4012	500	1.06	SEA TEL	4012			
	Max Gains(s):		40.0 dBi @	12.5000 GHz	41.8 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =					14.79		
	Maximum aggregate output EIRP for all carriers (dBW) =					53.50		



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E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
2	4996	300	1.2	SEA TEL	4996		0 AGL/ 0 AMSL	
	Max Gains(s):		41.6 dBi @	11.9500 GHz	42.5 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =				14.20			
	Maximum aggregate output EIRP for all carriers (dBW) =				54.02			
2	5009/10/12	750	1.2	SEA TEL	5009, 5010, 5012			
	Max Gains(s):		43.0 dBi @	12.2000 GHz	43.8 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =				51.40			
	Maximum aggregate output EIRP for all carriers (dBW) =				60.10			
2	6006/9/12	500	1.5	SEA TEL	6006, 6009, 6012			
	Max Gains(s):		41.4 dBi @	12.2000 GHz	45.1 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =				107.10			
	Maximum aggregate output EIRP for all carriers (dBW) =				65.39			
2	900B/FV110	2000	1.03	THRANE & THRANE	900B 900VSATHP&FV110			
	Max Gains(s):		40.2 dBi @	11.7000 GHz	41.1 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =				18.20			
	Maximum aggregate output EIRP for all carriers (dBW) =				53.70			
1	9707/97/11	500	2.4	SEA TEL	9707, 9797, 9711			
	Max Gains(s):		38.5 dBi @	3.9500 GHz	41.7 dBi @	6.1800 GHz		
	Maximum total input power at antenna flange (Watts) =				170.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				64.00			
1	9711QORC	500	2.4	SEA TEL	9711QORC			
	Max Gains(s):		38.5 dBi @	3.9500 GHz	41.7 dBi @	6.1800 GHz		
	Maximum total input power at antenna flange (Watts) =				170.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				64.00			



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RADIO STATION AUTHORIZATION

Marlink, Inc.

Call Sign: WB36

Authorization Type: Modification of License

File Number: SES-MOD-20200528-00575

Non Common Carrier

Grant date: 09/01/2021

Expiration Date: 10/22/2026

E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
2	9711QORKU	500	1.2	SEA TEL	9711QOR_KU			
	Max Gains(s):	43.0 dBi @	12.2000 GHz	43.8 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				51.40			
	Maximum aggregate output EIRP for all carriers (dBW) =				60.10			
2	9797/11KU	500	2.4	SEA TEL	9797,9711,9711IM			
	Max Gains(s):	47.8 dBi @	11.8500 GHz	48.5 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				210.30			
	Maximum aggregate output EIRP for all carriers (dBW) =				71.72			
2	INTV100	2000	1.06	INTELLIAN	V100			
	Max Gains(s):	39.8 dBi @	11.8500 GHz	41.2 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				22.90			
	Maximum aggregate output EIRP for all carriers (dBW) =				54.80			
2	INTV100NX	500	1.05	INTELLIAN	V100NX			
	Max Gains(s):	40.4 dBi @	11.7000 GHz	41.6 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				21.40			
	Maximum aggregate output EIRP for all carriers (dBW) =				54.90			
2	INTV110	500	1.05	INTELLIAN	V110			
	Max Gains(s):	39.6 dBi @	12.2000 GHz	41.7 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				13.94			
	Maximum aggregate output EIRP for all carriers (dBW) =				53.14			
2	INTV130/G	500	1.25	INTELLIAN	V130, V130G			
	Max Gains(s):	41.6 dBi @	11.8500 GHz	43.2 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				34.80			
	Maximum aggregate output EIRP for all carriers (dBW) =				58.60			



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E) Antenna Facilities

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2	INTV130NX	500	1.25	INTELLIAN	V130NX			
	Max Gains(s):	41.7 dBi @	11.7000 GHz	43.1 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				34.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				58.41			
2	INTV150NX	500	1.5	INTELLIAN	V150NX			
	Max Gains(s):	43.8 dBi @	12.2000 GHz	45.1 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				151.40			
	Maximum aggregate output EIRP for all carriers (dBW) =				66.90			
1	INTV240	500	2.4	INTELLIAN	V240			
	Max Gains(s):	37.7 dBi @	3.9100 GHz	41.7 dBi @	6.1400 GHz			
	Maximum total input power at antenna flange (Watts) =				158.80			
	Maximum aggregate output EIRP for all carriers (dBW) =				63.70			
2	INTV240K	500	2.4	INTELLIAN	V240K			
	Max Gains(s):	46.8 dBi @	11.8500 GHz	48.0 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				173.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				70.38			
1	INTV240MC	500	2.4	INTELLIAN	V240M(C-BAND)			
	Max Gains(s):	38.3 dBi @	3.9100 GHz	41.9 dBi @	6.1400 GHz			
	Maximum total input power at antenna flange (Watts) =				158.87			
	Maximum aggregate output EIRP for all carriers (dBW) =				63.91			
2	INTV240MK	500	2.4	INTELLIAN	V240M(KU-BAND)			
	Max Gains(s):	48.4 dBi @	14.2500 GHz	47.5 dBi @	11.8500 GHz			
	Maximum total input power at antenna flange (Watts) =				165.20			
	Maximum aggregate output EIRP for all carriers (dBW) =				70.58			



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E) Antenna Facilities

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2	INTV60G	500	0.6	INTELLIAN	V60G			
	Max Gains(s):	35.3 dBi @	12.2000 GHz	38.1 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				11.59			
	Maximum aggregate output EIRP for all carriers (dBW) =				48.74			
2	INTV65/65G	500	0.65	INTELLIAN	V65, V65G			
	Max Gains(s):	36.3 dBi @	11.7000 GHz	38.0 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				11.60			
	Maximum aggregate output EIRP for all carriers (dBW) =				48.64			
2	INTV80G	500	0.83	INTELLIAN	V80G			
	Max Gains(s):	37.1 dBi @	12.2000 GHz	39.5 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				19.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				52.30			
2	INTV80e	500	0.8	INTELLIAN	V80e			
	Max Gains(s):	37.8 dBi @	11.7000 GHz	39.3 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				5.70			
	Maximum aggregate output EIRP for all carriers (dBW) =				46.85			
2	INTV85NX	500	0.85	INTELLIAN	V85NX			
	Max Gains(s):	38.8 dBi @	11.7000 GHz	40.6 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				20.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				53.61			
2	MITMVA120	500	1.2	MITSUBISHI	MVA120			
	Max Gains(s):	41.6 dBi @	11.7000 GHz	47.7 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				6.31			
	Maximum aggregate output EIRP for all carriers (dBW) =				55.72			



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E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
2	MITMVA60	500	0.6	mitsubishi	MVA60			
	Max Gains(s):	35.3 dBi @	11.7000 GHz	38.4 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				6.18			
	Maximum aggregate output EIRP for all carriers (dBW) =				46.34			
1	OR7-300C	500	2.2	ORBIT	OCTRX7300C,7107C			
	Max Gains(s):	36.7 dBi @	3.9500 GHz	39.2 dBi @	6.1750 GHz			
	Maximum total input power at antenna flange (Watts) =				170.20			
	Maximum aggregate output EIRP for all carriers (dBW) =				61.50			
2	OR7-300K	500	2.1	ORBIT	OCEANTRX7-300KU			
	Max Gains(s):	45.0 dBi @	11.7000 GHz	46.6 dBi @	14.1250 GHz			
	Maximum total input power at antenna flange (Watts) =				77.60			
	Maximum aggregate output EIRP for all carriers (dBW) =				65.50			
2	ORAL-7103	500	1.2	ORBIT	ORAL7103MKII-K			
	Max Gains(s):	41.0 dBi @	11.7000 GHz	42.6 dBi @	14.1250 GHz			
	Maximum total input power at antenna flange (Watts) =				83.20			
	Maximum aggregate output EIRP for all carriers (dBW) =				61.80			
1	ORAL-7108	500	2.4	ORBIT	AL-7108(C-BAND)			
	Max Gains(s):	38.0 dBi @	3.9500 GHz	40.0 dBi @	6.1500 GHz			
	Maximum total input power at antenna flange (Watts) =				123.30			
	Maximum aggregate output EIRP for all carriers (dBW) =				60.90			
2	ORTR4-500	500	1.2	ORBIT	OCEANTRX4-500KU			
	Max Gains(s):	41.0 dBi @	11.7000 GHz	42.6 dBi @	14.1250 GHz			
	Maximum total input power at antenna flange (Watts) =				83.20			
	Maximum aggregate output EIRP for all carriers (dBW) =				61.80			



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Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
3	SA1.2MFLY	500	1.2	SINAERO	SA-1.2FLY			
	Max Gains(s):	42.1 dBi @	14.2500 GHz	41.5 dBi @	12.2000 GHz			
	Maximum total input power at antenna flange (Watts) =				47.20			
	Maximum aggregate output EIRP for all carriers (dBW) =				58.84			
2	SAT30/3011	500	0.75	SEA TEL	USAT30 & 3011			
	Max Gains(s):	37.6 dBi @	11.8500 GHz	39.0 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				13.40			
	Maximum aggregate output EIRP for all carriers (dBW) =				50.27			
2	TTSA600	500	0.65	THRANE & THRANE	TT-7060C SAILOR 600			
	Max Gains(s):	35.8 dBi @	11.7000 GHz	37.6 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				5.40			
	Maximum aggregate output EIRP for all carriers (dBW) =				44.92			
2	TTSA80020	500	0.83	THRANE & THRANE	TT-7080A SAILOR 800A		0 AGL	
	Max Gains(s):	37.9 dBi @	11.7000 GHz	40.0 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				18.20			
	Maximum aggregate output EIRP for all carriers (dBW) =				52.60			
2	TTSA900	500	1	THRANE & THRANE	TT-7090A SAILOR900			
	Max Gains(s):	40.0 dBi @	11.7500 GHz	41.7 dBi @	14.2500 GHz			
	Maximum total input power at antenna flange (Watts) =				14.93			
	Maximum aggregate output EIRP for all carriers (dBW) =				53.44			
4	V240MT2KA	500	2.4	INTELLIAN	V240MT2KA			
	Max Gains(s):	48.5 dBi @	18.7000 GHz	51.7 dBi @	29.5000 GHz		51.6 dBi @	
		29.0000 GHz						
	Maximum total input power at antenna flange (Watts) =				74.10			
	Maximum aggregate output EIRP for all carriers (dBW) =				70.30			



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E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
2	V240MT2KU	500	2.4	INTELLIAN	V240MTGEN2KU			
	Max Gains(s):	48.2 dBi @	14.2500 GHz	47.3 dBi @	11.8000 GHz			
	Maximum total input power at antenna flange (Watts) =				295.10			
	Maximum aggregate output EIRP for all carriers (dBW) =				72.90			
4	V240MTKA	500	2.4	INTELLIAN	V240MTKA			
	Max Gains(s):	51.6 dBi @	29.0000 GHz	48.5 dBi @	18.7000 GHz		51.6 dBi @	
		29.5000 GHz						
	Maximum total input power at antenna flange (Watts) =				66.10			
	Maximum aggregate output EIRP for all carriers (dBW) =				69.80			
2	V240MTKU	500	2.4	INTELLIAN	V240MTKU			
	Max Gains(s):	47.4 dBi @	14.2500 GHz	46.5 dBi @	11.8000 GHz			
	Maximum total input power at antenna flange (Watts) =				263.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				71.60			

F) Remote Control Point:

1	3327 South Sam Houston Parkway East, Suite 100 HOUSTON, HARRIS, TX 77047 346-223-0396	Call Sign: WB36
2	3327 South Sam Houston Parkway East, Suite 100 HOUSTON, HARRIS, TX 77047 346-223-0396	Call Sign: WB36
3	3327 South Sam Houston Parkway East, Suite 100 HOUSTON, HARRIS, TX 77047 346-223-0396	Call Sign: WB36



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F) Remote Control Point:

4 3327 South Sam Houston Parkway East, Suite 100
 HOUSTON, HARRIS, TX 77047
 346-223-0396

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G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 4 --- Licensee must ensure that a current listing of the name, title, mailing address, email address, and telephone number of the responsible point of contact are on file at the FCC. Any changes must be filed electronically in the International Bureau Filing System (MyIBFS) using the "Pleadings and Comments" link on the MyIBFS homepage within 10 days of the change.
- 6 --- Licensee must comply with the license modification and notification requirements of 47 CFR § 25.118 to change the coordinates of its authorized earth station.
- 8 --- Licensee must notify the Commission when all earth stations under this authorization are no longer operational or when they have not been used to provide service during any continuous six-month period.
- 100 --- IT IS ORDERED that any agreements that Global Leasing Company negotiates with foreign carriers to route U.S. inbound switched traffic to the BellSouth Telecommunications, Inc., in-region states via Global Leasing Company's authorized private lines are subject to our Section 43.51(e) requirements.
- 102 --- 24 Hour Contact: Applicant has provided the name and telephone number of a contact person in the United States, available seven days a week, twenty-four hours a day, for cessation of emissions from suspected source of interference in the event of need to resolve interference issues, on direction from authority with jurisdiction for licensing in the area of operation.
- 105 --- Subject to Rule Making: This license is subject to the outcome of any future rule making concerning ESV operations. Grant of this authorization shall not prejudice the outcome of any rulemaking.
- 109 --- 1. THE USER MUST PROVIDE THE NAVAL ELECTROMAGNETIC SPECTRUM CENTER (703-325-2750) A 24HR PHONE NUMBER WHEN NATIONAL DEFENSE AND US NAVAL OPERATION REQUIREMENTS NECESSITATE IMMEDIATE CESSATION OF OPERATIONS.
 2. THE APPLICANT IS AWARE THAT THEY WOULD BE REQUIRED TO TEMPORARILY CEASE SATELLITE OPERATIONS ON THESE FREQUENCIES UNTIL NOTIFIED OTHERWISE.
- 249 --- This license is granted authority to provide services for both Earth Stations on-board Vessels (ESV) and VSAT Network.



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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:

- 385 --- The use of the band 10.7-11.7 GHz (Space-to-Earth) and 12.75-13.25 GHz (Earth-to-Space) by the fixed-satellite service in the geostationary satellite orbit shall be limited to international systems, i.e. other than domestic systems. (NG52)
- 3853 --- The use of the bands 10.95-11.2 GHz and 11.45-11.7 GHz in the fixed-satellite service is limited to international systems.
- 9661 --- The 17.8 - 20.2 GHz band is shared with U.S. Government space stations and associated earth stations in the Fixed-Satellite Service. The satellite network of which this is a cooperating earth station is subject to coordination under US334 and operation of this earth station will be subject to any technical constraints resulting from this coordination.
- 90275 --- We grant the Petition to Adopt Conditions to Authorizations and Licenses filed in this proceeding on December 13, 2011, by the Department of Justice, including the Federal Bureau of Investigation, and the Department of Homeland Security. Accordingly, we condition grant of this application on Astrium Holding S.A.S., European Aeronautic Defence and Space Company EADS N.V., and the entities collectively referred to as "Vizada" (i.e., Mobsat Holding Norway AS, Mobsat Holding US Corp., Vizada, Inc., Marlink, Inc., Vizada Federal Services, Inc., Vizada AS, Vizada Services Holding, Inc., and Vizada Services LLC) abiding by the commitments and undertakings contained in Amendment No. 3 to the November 29, 2001 Agreement between Telenor Satellite Services Holdings, Inc., Telenor Satellite, Inc., Telenor Satellite Services, Inc., and Telenor Broadband Services and DOJ and the FBI, as amended by Amendment No. 1 in March 2007 and Amendment No. 2 in October 2008. A copy of the Petition, the Agreement and the Amendments to the Agreement are publicly available and may be viewed on the FCC web-site through the International Bureau Filing System (IBFS) by searching for ISP-PDR-20110818-00009 and accessing "Other filings related to this application" from the Document Viewing area.
- 90397 --- Telemetry, tracking and command (TT&C) operations identified in part B, Particulars of Operation in this authorization may be transmitted within the assigned bands that are not at a band edge only if the transmissions cause no greater interference and require no greater protection from harmful interference than the communications traffic on the satellite network or have been coordinated with operators of authorized co-frequency space stations at orbital locations within six degrees of the assigned orbital location. Frequencies, polarization, and coding of telemetry, tracking, and command transmissions must be selected to minimize interference into other satellite networks.
- 90398 --- Changes to previously authorized transmitting facilities, operations and devices regulated by the Commission that may have significant environmental impact, and are not excluded by §1.1306, require the preparation of an Environmental Assessment (EA) by the licensee. (See 47 C.F.R. §§1.1307, 1.1308 and 1.1311)
- 90399 --- The licensee shall, at all times, take all necessary measures to ensure that operation of this (these) authorized earth station(s) does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR §§ 1.1307(b) and 1.1310. Physical measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions, such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling, or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.



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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:

90413 --- The downlink (space-to-Earth) frequencies proposed herein not in the 11.7-12.2 GHz are on non-protected basis. The licensee shall not claim protection from and is required to accept interference from other lawfully operating satellites or radiocommunication systems.

90594 --- Operations shall comply with 47 C.F.R. §25.218(i).

900406 --- The applicant and space station operator are responsible for necessary coordination in the 5167.5-5198.5 MHz frequency band, in accordance with International Footnote 5.447(c) of the ITU Radio Regulations.

900407 --- The Permitted Space Station List (Permitted List) is a list of all geostationary space stations providing fixed-satellite service pursuant to a Commission license or grant of U.S. market access. The Permitted List currently includes the following frequency bands per §25.103 and §25.115(k)(1):

- 3600-4200 MHz (space-to-Earth)
- 5850-6725 MHz (Earth-to-space)
- 10.95-11.2 GHz (space-to-Earth)
- 11.45-12.2 GHz (space-to-Earth)
- 13.75-14.5 GHz (Earth-to-space)
- 18.3-18.8 GHz (space-to-Earth)
- 19.7-20.2 GHz (space-to-Earth)
- 24.75-25.25 GHz (Earth-to-space)
- 28.35-28.6 GHz (Earth-to-space)
- 29.25-30.0 GHz (Earth-to-space).

Earth stations with "Permitted List" designated as a point of communication may access any space station on the Permitted List, provided the operations comply with the applicable "routine" uplink and downlink limits, are within the specific frequency bands authorized in the earth station license, have completed coordination with terrestrial stations pursuant to §25.203, and otherwise comply with all terms and conditions of both the earth station license and the space station grant.

900608 --- The ESIMs authorized herein must comply with the terms of the applicable space station authorization(s) as well as the Commission's rules on frequency use, including 47 CFR § 25.202, 47 CFR § 25.228, and applicable footnotes to the Table of Frequency Allocations, 47 CFR § 2.106, including NG527A which states: Earth Stations in Motion (ESIMs), as regulated under 47 CFR part 25, are an application of the fixed-satellite service (FSS) and the following provisions shall apply: (a) In the bands 10.7-11.7 GHz, 19.3-19.4 GHz, and 19.6-19.7 GHz (space-to-Earth), ESIMs may be authorized for the reception of FSS emissions from geostationary and non-geostationary satellites, subject to the conditions that these earth stations may not claim protection from transmissions of non-Federal stations in the fixed service and that non-geostationary-satellite systems not cause unacceptable interference to, or claim protection from, geostationary-satellite networks. (b) In the bands 11.7-12.2 GHz (space-to-Earth), 14.0-14.5 GHz (Earth-to-space), 18.3-18.8 GHz (space-to-Earth), 19.7-20.2 GHz (space-to-Earth), 28.35-28.6 GHz (Earth-to-space), and 29.25-30.0 GHz (Earth-to-space), ESIMs may be authorized to communicate with geostationary satellites on a primary basis.



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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:

900633 --- Operations must comply with 47 C.F.R. §25.228 with respect to ESIM ESV.

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.