



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION**

Name: Marlink, Inc.

Call Sign: WB36

Authorization Type: Modification of License

File Number: SES-MOD-20171011-01136

Non Common Carrier

Grant date: 02/26/2018

Expiration Date: 10/22/2026



Nature of Service: Fixed Satellite Service

Class of Station: Other

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 AND INTL WATERS AND CONUS, AK, HI, US				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						

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 February 26, 2019 (3 AM Eastern Standard Time). Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

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

#	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)	14000.0000-14500.0000	H, V	44K8G1W	Tx	30.70	20.20	3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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2)	14000.0000-14500.0000	H, V	44K8G7W	Tx	30.70	20.20	3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3)	14000.0000-14500.0000	H, V	5M00G1W	Tx	51.20	20.20	3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
4)	14000.0000-14500.0000	H, V	5M00G7W	Tx	51.20	20.20	3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5)	11450.0000-12200.0000	H, V	44K8G1W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
6)	11450.0000-12200.0000	H, V	44K8G7W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
7)	11450.0000-12200.0000	H, V	54M0G1W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
8)	11450.0000-12200.0000	H, V	54M0G7W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
9)	10950.0000-11200.0000	H, V	44K8G1W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10)	10950.0000-11200.0000	H, V	44K8G7W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11)	10950.0000-11200.0000	H, V	54M0G7W	Rx			3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
12)	10950.0000-11200.0000	H, V	54M0G1W	Rx	0.00		3612		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
13)	14000.0000-14500.0000	H, V	44K8G1W	Tx	34.70	24.20	4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14)	14000.0000-14500.0000	H, V	44K8G7W	Tx	34.70	24.20	4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
15)	14000.0000-14500.0000	H, V	5M00G1W	Tx	51.07	20.10	4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
16)	14000.0000-14500.0000	H, V	5M00G7W	Tx	51.07	20.10	4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
17)	11450.0000-12200.0000	H, V	44K8G1W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
18)	11450.0000-12200.0000	H, V	44K8G7W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
19)	11450.0000-12200.0000	H, V	54M0G1W	Rx			4003		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
20)	11450.0000-12200.0000	H, V	54M0G7W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
21)	10950.0000-11200.0000	H, V	44K8G7W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
22)	10950.0000-11200.0000	H, V	54M0G1W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
23)	10950.0000-11200.0000	H, V	54M0G7W	Rx			4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
24)	10950.0000-11200.0000	H, V	44K8G1W	Rx	0.00		4003		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
25)	14000.0000-14500.0000	H, V	44K8G1W	Tx	34.80	24.30	4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
26)	14000.0000-14500.0000	H, V	44K8G7W	Tx	34.80	24.30	4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
27)	14000.0000-14500.0000	H, V	5M00G1W	Tx	51.87	20.90	4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
28)	14000.0000-14500.0000	H, V	5M00G7W	Tx	51.87	20.90	4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
29)	11450.0000-12200.0000	H, V	44K8G1W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
30)	11450.0000-12200.0000	H, V	44K8G7W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
31)	11450.0000-12200.0000	H, V	54M0G1W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
32)	11450.0000-12200.0000	H, V	54M0G7W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
33)	10950.0000-11200.0000	H, V	44K8G1W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
34)	10950.0000-11200.0000	H, V	44K8G7W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
35)	10950.0000-11200.0000	H, V	54M0G1W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
36)	10950.0000-11200.0000	H, V	54M0G7W	Rx			4006/9/10		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
37)	14000.0000-14500.0000	H, V	44K8G1W	Tx	35.70	25.20	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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38)	14000.0000-14500.0000	H, V	44K8G7W	Tx	35.70	25.20	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
39)	14000.0000-14500.0000	H, V	5M00G1W	Tx	53.50	22.50	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
40)	14000.0000-14500.0000	H, V	5M00G7W	Tx	53.50	22.50	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
41)	14000.0000-14500.0000	H, V	7M00G7W	Tx	53.50	11.70	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
42)	14000.0000-14500.0000	H, V	7M00G7W	Tx	53.50	11.70	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
43)	11450.0000-12200.0000	H, V	44K8G1W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
44)	11450.0000-12200.0000	H, V	44K8G7W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
45)	11450.0000-12200.0000	H, V	54M0G1W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
46)	11450.0000-12200.0000	H, V	54M0G7W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
47)	10950.0000-11200.0000	H, V	44K8G1W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
48)	10950.0000-11200.0000	H, V	44K8G7W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
49)	10950.0000-11200.0000	H, V	54M0G1W	Rx			4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
50)	10950.0000-11200.0000	H, V	54M0G7W	Rx		0.00	4012		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
51)	14000.0000-14500.0000	H, V	44K8G1W	Tx	39.00	28.50	4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
52)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.00	28.50	4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
53)	14000.0000-14500.0000	H, V	8M00G1W	Tx	54.00	21.00	4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
54)	14000.0000-14500.0000	H, V	8M00G7W	Tx	54.00	21.00	4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
55)	11450.0000-12200.0000	H, V	44K8G1W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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56)	11450.0000-12200.0000	H, V	44K8G7W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
57)	11450.0000-12200.0000	H, V	54M0G1W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
58)	11450.0000-12200.0000	H, V	54M0G7W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
59)	10950.0000-11200.0000	H, V	44K8G1W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
60)	10950.0000-11200.0000	H, V	44K8G7W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
61)	10950.0000-11200.0000	H, V	54M0G1W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
62)	10950.0000-11200.0000	H, V	54M0G7W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
63)	14000.0000-14500.0000	H, V	44K8G1W	Tx	39.50	29.00	5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
64)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.50	29.00	5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
65)	14000.0000-14500.0000	H, V	8M00G1W	Tx	56.26	23.26	5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
66)	14000.0000-14500.0000	H, V	8M00G7W	Tx	56.26	23.26	5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
67)	11450.0000-12200.0000	H, V	44K8G1W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
68)	11450.0000-12200.0000	H, V	44K8G7W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
69)	11450.0000-12200.0000	H, V	54M0G1W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
70)	11450.0000-12200.0000	H, V	54M0G7W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
71)	10950.0000-11200.0000	H, V	44K8G1W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
72)	10950.0000-11200.0000	H, V	44K8G7W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
73)	10950.0000-11200.0000	H, V	54M0G1W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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74)	10950.0000-11200.0000	H, V	54M0G7W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
75)	14000.0000-14500.0000	H, V	10M0G1W	Tx	58.38	24.38	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
76)	14000.0000-14500.0000	H, V	10M0G7W	Tx	58.38	24.38	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
77)	14000.0000-14500.0000	H, V	40M0G1W	Tx	65.39	25.39	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
78)	14000.0000-14500.0000	H, V	40M0G7W	Tx	65.39	25.39	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
79)	14000.0000-14500.0000	H, V	44K8G1W	Tx	41.60	31.10	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
80)	14000.0000-14500.0000	H, V	44K8G7W	Tx	41.60	31.10	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
81)	11450.0000-12200.0000	H, V	44K8G1W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
82)	11450.0000-12200.0000	H, V	44K8G7W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
83)	11450.0000-12200.0000	H, V	54M0G7W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
84)	11450.0000-12200.0000	H, V	54M0G1W	Rx	0.00		6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
85)	10950.0000-11200.0000	H, V	44K8G1W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
86)	10950.0000-11200.0000	H, V	44K8G7W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
87)	10950.0000-11200.0000	H, V	54M0G1W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
88)	10950.0000-11200.0000	H, V	54M0G7W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
89)	14000.0000-14500.0000	H, V	44K8G1W	Tx	35.80	25.30	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
90)	14000.0000-14500.0000	H, V	44K8G7W	Tx	35.80	25.30	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
91)	14000.0000-14500.0000	H, V	5M00G1W	Tx	49.80	18.80	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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92)	14000.0000-14500.0000	H, V	5M00G7W	Tx	49.80	18.80	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
93)	14000.0000-14500.0000	H, V	7M00G1W	Tx	53.70	21.27	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
94)	14000.0000-14500.0000	H, V	7M00G7W	Tx	53.70	21.27	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
95)	11450.0000-12200.0000	H, V	44K8G1W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
96)	11450.0000-12200.0000	H, V	44K8G7W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
97)	11450.0000-12200.0000	H, V	54M0G1W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
98)	11450.0000-12200.0000	H, V	54M0G7W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
99)	10950.0000-11200.0000	H, V	44K8G1W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
100)	10950.0000-11200.0000	H, V	44K8G7W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
101)	10950.0000-11200.0000	H, V	54M0G1W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
102)	10950.0000-11200.0000	H, V	54M0G7W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
103)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	64.00	28.30	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
104)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	64.00	28.30	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
105)	5925.0000-6425.0000	H, V, L, R	40M0G1W	Tx	64.00	24.00	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
106)	5925.0000-6425.0000	H, V, L, R	40M0G7W	Tx	64.00	24.00	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
107)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	45.20	34.70	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
108)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	45.20	34.70	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
109)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			9707/97/11		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
110)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
111)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
112)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx		0.00	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
113)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	64.00	28.30	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
114)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	64.00	28.30	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
115)	5925.0000-6425.0000	H, V, L, R	40M0G1W	Rx	64.00	24.00	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
116)	5925.0000-6425.0000	H, V, L, R	40M0G7W	Rx	64.00	24.00	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
117)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	45.20	34.70	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
118)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	45.20	34.70	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
119)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
120)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
121)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
122)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx			9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
123)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.50	29.00	9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
124)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.50	29.00	9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
125)	14000.0000-14500.0000	H, V	8M00G1W	Tx	56.26	23.26	9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
126)	14000.0000-14500.0000	H, V	8M00G7W	Tx	56.26	23.26	9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
127)	11450.0000-12200.0000	H, V	44K8G1W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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Non Common Carrier

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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
128)	11450.0000-12200.0000	H, V	44K8G7W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
129)	11450.0000-12200.0000	H, V	54M0G1W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
130)	11450.0000-12200.0000	H, V	54M0G7W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
131)	10950.0000-11200.0000	H, V	44K8G1W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
132)	10950.0000-11200.0000	H, V	44K8G7W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
133)	10950.0000-11200.0000	H, V	54M0G1W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
134)	10950.0000-11200.0000	H, V	54M0G7W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
135)	14000.0000-14500.0000	H, V	15M0G1W	Tx	67.70	32.00	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
136)	14000.0000-14500.0000	H, V	15M0G7W	Tx	67.70	32.00	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
137)	14000.0000-14500.0000	H, V	40M0G1W	Tx	71.72	31.72	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
138)	14000.0000-14500.0000	H, V	40M0G7W	Tx	71.72	31.72	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
139)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.90	34.45	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
140)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.99	34.50	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
141)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.90	34.45	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
142)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.99	34.50	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
143)	11450.0000-12200.0000	H, V	44K8G1W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
144)	11450.0000-12200.0000	H, V	44K8G7W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
145)	11450.0000-12200.0000	H, V	54M0G1W	Rx			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
146)	11450.0000-12200.0000	H, V	54M0G7W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
147)	10950.0000-11200.0000	H, V	44K8G1W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
148)	10950.0000-11200.0000	H, V	44K8G7W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
149)	10950.0000-11200.0000	H, V	54M0G1W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
150)	10950.0000-11200.0000	H, V	54M0G7W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
151)	14000.0000-14500.0000	H, V	44K8G1W	Tx	37.10	26.60	INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
152)	14000.0000-14500.0000	H, V	44K8G7W	Tx	37.10	26.60	INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
153)	14000.0000-14500.0000	H, V	5M00G1W	Tx	52.60	21.63	INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
154)	14000.0000-14500.0000	H, V	5M00G7W	Tx	52.60	21.63	INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
155)	14000.0000-14500.0000	H, V	7M00G1W	Tx	54.80	22.37	INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
156)	14000.0000-14500.0000	H, V	7M00G7W	Tx	54.80	22.37	INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
157)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
158)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
159)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
160)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
161)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
162)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
163)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV100		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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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
164)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
165)	14000.0000-14500.0000	H, V	44K8G1W	Tx	36.00	25.50	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
166)	14000.0000-14500.0000	H, V	44K8G7W	Tx	36.00	25.50	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
167)	14000.0000-14500.0000	H, V	5M00G1W	Tx	53.14	22.14	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
168)	14000.0000-14500.0000	H, V	5M00G7W	Tx	53.14	22.14	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
169)	14000.0000-14500.0000	H, V	7M00G1W	Tx	53.14	11.44	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
170)	14000.0000-14500.0000	H, V	7M00G7W	Tx	53.14	11.44	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
171)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
172)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
173)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
174)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
175)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
176)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
177)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
178)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
179)	14000.0000-14500.0000	H, V	40M0G1W	Tx	58.60	18.60	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
180)	14000.0000-14500.0000	H, V	40M0G7W	Tx	58.60	18.60	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
181)	14000.0000-14500.0000	H, V	44K8G1W	Tx	39.70	29.20	INTV130/G		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
182)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.70	29.20	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
183)	14000.0000-14500.0000	H, V	8M00G1W	Tx	54.40	21.40	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
184)	14000.0000-14500.0000	H, V	8M00G7W	Tx	54.40	21.40	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
185)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
186)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
187)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
188)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
189)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
190)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
191)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
192)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
193)	14000.0000-14500.0000	H, V	40M0G1W	Tx	64.86	24.86	INTV150		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
194)	14000.0000-14500.0000	H, V	40M0G7W	Tx	64.86	24.86	INTV150		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
195)	14000.0000-14500.0000	H, V	44K8G1W	Tx	41.59	31.10	INTV150		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
196)	14000.0000-14500.0000	H, V	44K8G7W	Tx	41.59	31.10	INTV150		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
197)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV150		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
198)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV150		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
199)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV150		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
200)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV150		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
201)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV150		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
202)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV150		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
203)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV150		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
204)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV150		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
205)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	60.70	25.00	INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
206)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	60.70	25.00	INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
207)	5925.0000-6425.0000	H, V, L, R	40M0G1W	Rx	63.70	23.70	INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
208)	5925.0000-6425.0000	H, V, L, R	40M0G7W	Rx	63.70	23.70	INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
209)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	43.83	33.33	INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
210)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	43.83	33.33	INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
211)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
212)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
213)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
214)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx			INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
215)	14000.0000-14500.0000	H, V	15M0G1W	Tx	66.60	30.90	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
216)	14000.0000-14500.0000	H, V	15M0G7W	Tx	66.60	30.90	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
217)	14000.0000-14500.0000	H, V	40M0G1W	Tx	70.38	30.38	INTV240K		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
218)	14000.0000-14500.0000	H, V	40M0G7W	Tx	70.38	30.38	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
219)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.50	34.00	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
220)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.50	34.00	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
221)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
222)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
223)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
224)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
225)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
226)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
227)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
228)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
229)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	63.91	28.17	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
230)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	63.91	28.17	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
231)	5925.0000-6425.0000	H, V, L, R	40M0G1W	Tx	63.91	22.01	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
232)	5925.0000-6425.0000	H, V, L, R	40M0G7W	Tx	63.91	22.01	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
233)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	44.98	34.48	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
234)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	44.98	34.48	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
235)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			INTV240MC		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
236)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
237)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
238)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx			INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
239)	14000.0000-14500.0000	H, V	15M0G1W	Tx	66.60	30.86	INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
240)	14000.0000-14500.0000	H, V	15M0G7W	Tx	66.60	30.86	INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
241)	14000.0000-14500.0000	H, V	40M0G1W	Tx	70.58	30.58	INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
242)	14000.0000-14500.0000	H, V	40M0G7W	Tx	70.58	30.58	INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
243)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.90	34.40	INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
244)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.90	34.40	INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
245)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
246)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
247)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
248)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
249)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
250)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
251)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
252)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV240MK		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
253)	14000.0000-14500.0000	H, V	1M20G1W	Tx	40.57	15.80	INTV60G		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
254)	14000.0000-14500.0000	H, V	1M20G7W	Tx	40.57	15.80	INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
255)	14000.0000-14500.0000	H, V	44K8G1W	Tx	26.30	15.80	INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
256)	14000.0000-14500.0000	H, V	44K8G7W	Tx	26.30	15.80	INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
257)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
258)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
259)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
260)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
261)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
262)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
263)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
264)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
265)	14000.0000-14500.0000	H, V	1M20G1W	Tx	40.37	15.60	INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
266)	14000.0000-14500.0000	H, V	1M20G7W	Tx	40.37	15.60	INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
267)	14000.0000-14500.0000	H, V	44K8G1W	Tx	26.09	15.60	INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
268)	14000.0000-14500.0000	H, V	44K8G7W	Tx	26.09	15.60	INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
269)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
270)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
271)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV65/65G		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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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
272)	11450.0000-12200.0000	H, V	54M0G1W	Rx	0.00		INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
273)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
274)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
275)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
276)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
277)	14000.0000-14500.0000	H, V	1M20G1W	Tx	44.14	19.37	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
278)	14000.0000-14500.0000	H, V	1M20G7W	Tx	44.14	19.37	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
279)	14000.0000-14500.0000	H, V	2M10G1W	Tx	52.30	25.10	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
280)	14000.0000-14500.0000	H, V	2M10G7W	Tx	52.30	25.10	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
281)	14000.0000-14500.0000	H, V	44K8G1W	Tx	29.87	19.37	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
282)	14000.0000-14500.0000	H, V	44K8G7W	Tx	29.87	19.37	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
283)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
284)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
285)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
286)	11450.0000-12200.0000	H, V	44K8G7W	Rx	0.00		INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
287)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
288)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
289)	10950.0000-11200.0000	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
290)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
291)	14000.0000-14500.0000	H, V	2M10G1W	Tx	49.72	22.52	INTV85		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
292)	14000.0000-14500.0000	H, V	2M10G7W	Tx	49.72	22.52	INTV85		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
293)	14000.0000-14500.0000	H, V	44K8G1W	Tx	33.02	22.52	INTV85		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
294)	14000.0000-14500.0000	H, V	44K8G7W	Tx	33.02	22.52	INTV85		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
295)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV85		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
296)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV85		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
297)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV85		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
298)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV85		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
299)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV85		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
300)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV85		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
301)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV85		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
302)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV85		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
303)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.22	33.72	MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
304)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.22	33.72	MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
305)	14000.0000-14500.0000	H, V	8M00G1W	Tx	55.72	22.72	MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
306)	14000.0000-14500.0000	H, V	8M00G7W	Tx	55.72	22.72	MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
307)	11450.0000-12200.0000	H, V	44K8G1W	Rx			MITMVA120		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
308)	11450.0000-12200.0000	H, V	44K8G7W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
309)	11450.0000-12200.0000	H, V	54M0G1W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
310)	11450.0000-12200.0000	H, V	54M0G7W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
311)	10950.0000-11200.0000	H, V	44K8G1W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
312)	10950.0000-11200.0000	H, V	44K8G7W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
313)	10950.0000-11200.0000	H, V	54M0G1W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
314)	10950.0000-11200.0000	H, V	54M0G7W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
315)	14000.0000-14500.0000	H, V	1M10G1W	Tx	46.34	21.95	MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
316)	14000.0000-14500.0000	H, V	1M10G7W	Tx	46.34	21.95	MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
317)	14000.0000-14500.0000	H, V	44K8G1W	Tx	34.93	24.43	MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
318)	14000.0000-14500.0000	H, V	44K8G7W	Tx	34.93	24.43	MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
319)	11450.0000-12200.0000	H, V	44K8G1W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
320)	11450.0000-12200.0000	H, V	44K8G7W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
321)	11450.0000-12200.0000	H, V	54M0G1W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
322)	11450.0000-12200.0000	H, V	54M0G7W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
323)	10950.0000-11200.0000	H, V	44K8G1W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
324)	10950.0000-11200.0000	H, V	44K8G7W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
325)	10950.0000-11200.0000	H, V	54M0G1W	Rx			MITMVA60		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
326)	10950.0000-11200.0000	H, V	54M0G7W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
327)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	61.50	25.76	OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
328)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	61.50	25.76	OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
329)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	39.49	29.00	OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
330)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	39.49	29.00	OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
331)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
332)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
333)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx			OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
334)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx	0.00		OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
335)	14000.0000-14500.0000	H, V	15M0G1W	Tx	65.50	29.76	OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
336)	14000.0000-14500.0000	H, V	15M0G7W	Tx	65.50	29.76	OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
337)	14000.0000-14500.0000	H, V	44K8G1W	Tx	40.50	29.99	OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
338)	14000.0000-14500.0000	H, V	44K8G7W	Tx	40.50	29.99	OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
339)	11450.0000-12200.0000	H, V	44K8G1W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
340)	11450.0000-12200.0000	H, V	44K8G7W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
341)	11450.0000-12200.0000	H, V	54M0G1W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
342)	11450.0000-12200.0000	H, V	54M0G7W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
343)	10950.0000-11200.0000	H, V	44K8G1W	Rx			OR7-300K		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
344)	10950.0000-11200.0000	H, V	44K8G7W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
345)	10950.0000-11200.0000	H, V	54M0G1W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
346)	10950.0000-11200.0000	H, V	54M0G7W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
347)	14000.0000-14500.0000	H, V	44K8G1W	Tx	35.40	24.90	ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
348)	14000.0000-14500.0000	H, V	44K8G7W	Tx	35.40	24.90	ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
349)	14000.0000-14500.0000	H, V	8M00G1W	Tx	57.90	24.90	ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
350)	14000.0000-14500.0000	H, V	8M00G7W	Tx	57.90	24.90	ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
351)	11450.0000-12200.0000	H, V	44K8G1W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
352)	11450.0000-12200.0000	H, V	44K8G7W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
353)	11450.0000-12200.0000	H, V	54M0G1W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
354)	11450.0000-12200.0000	H, V	54M0G7W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
355)	10950.0000-11200.0000	H, V	44K8G1W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
356)	10950.0000-11200.0000	H, V	44K8G7W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
357)	10950.0000-11200.0000	H, V	54M0G1W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
358)	10950.0000-11200.0000	H, V	54M0G7W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
359)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	60.90	25.16	ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
360)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	60.90	25.16	ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
361)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	40.59	30.10	ORAL-7108		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
362)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	40.59	30.10	ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
363)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
364)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
365)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
366)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx	0.00		ORAL-7108		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
367)	14000.0000-14500.0000	H, V	44K8G1W	Tx	34.61	24.12	ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
368)	14000.0000-14500.0000	H, V	44K8G7W	Tx	34.61	24.12	ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
369)	14000.0000-14500.0000	H, V	8M00G1W	Tx	57.13	24.12	ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
370)	14000.0000-14500.0000	H, V	8M00G7W	Tx	57.13	24.12	ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
371)	11450.0000-12200.0000	H, V	44K8G1W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
372)	11450.0000-12200.0000	H, V	44K8G7W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
373)	11450.0000-12200.0000	H, V	54M0G1W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
374)	11450.0000-12200.0000	H, V	54M0G7W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
375)	10950.0000-11200.0000	H, V	44K8G1W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
376)	10950.0000-11200.0000	H, V	44K8G7W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
377)	10950.0000-11200.0000	H, V	54M0G1W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
378)	10950.0000-11200.0000	H, V	54M0G7W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
379)	14000.0000-14500.0000	H, V	10M0G1W	Tx	58.84	24.84	SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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
380)	14000.0000-14500.0000	H, V	10M0G7W	Tx	58.84	24.84	SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
381)	14000.0000-14500.0000	H, V	64K0G1W	Tx	40.14	28.10	SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
382)	14000.0000-14500.0000	H, V	64K0G7W	Tx	40.14	28.10	SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
383)	11700.0000-12200.0000	H, V	1M00G1W	Rx			SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
384)	11700.0000-12200.0000	H, V	1M00G7W	Rx			SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
385)	11700.0000-12200.0000	H, V	36M0G1W	Rx			SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
386)	11700.0000-12200.0000	H, V	36M0G7W	Rx			SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
387)	14000.0000-14500.0000	H, V	1M10G1W	Tx	41.80	17.40	SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
388)	14000.0000-14500.0000	H, V	1M10G7W	Tx	41.80	17.40	SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
389)	14000.0000-14500.0000	H, V	44K8G1W	Tx	27.90	17.40	SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
390)	14000.0000-14500.0000	H, V	44K8G7W	Tx	27.90	17.40	SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
391)	11450.0000-12200.0000	H, V	44K8G1W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
392)	11450.0000-12200.0000	H, V	44K8G7W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
393)	11450.0000-12200.0000	H, V	54M0G1W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
394)	11450.0000-12200.0000	H, V	54M0G7W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
395)	10950.0000-11200.0000	H, V	44K8G1W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
396)	10950.0000-11200.0000	H, V	44K8G7W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
397)	10950.0000-11200.0000	H, V	54M0G1W	Rx			SAT30/3011		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
398)	10950.0000-11200.0000	H, V	54M0G7W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
399)	14000.0000-14500.0000	H, V	1M10G1W	Tx	40.50	16.10	TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
400)	14000.0000-14500.0000	H, V	1M10G7W	Tx	40.50	16.10	TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
401)	14000.0000-14500.0000	H, V	44K8G1W	Tx	26.60	16.10	TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
402)	14000.0000-14500.0000	H, V	44K8G7W	Tx	26.60	16.10	TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
403)	11450.0000-12200.0000	H, V	44K8G1W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
404)	11450.0000-12200.0000	H, V	44K8G7W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
405)	11450.0000-12200.0000	H, V	54M0G1W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
406)	11450.0000-12200.0000	H, V	54M0G7W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
407)	10950.0000-11200.0000	H, V	44K8G1W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
408)	10950.0000-11200.0000	H, V	44K8G7W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
409)	10950.0000-11200.0000	H, V	54M0G1W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
410)	10950.0000-11200.0000	H, V	54M0G7W	Rx			TTSA600		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
411)	14000.0000-14500.0000	H, V	2M10G1W	Tx	47.40	20.20	TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
412)	14000.0000-14500.0000	H, V	2M10G7W	Tx	47.40	20.20	TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
413)	14000.0000-14500.0000	H, V	44K8G1W	Tx	31.30	20.80	TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
414)	14000.0000-14500.0000	H, V	44K8G7W	Tx	31.30	20.80	TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
415)	14000.0000-14500.0000	H, V	5M00G1W	Tx	47.40	16.40	TTSA800A		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
416)	14000.0000-14500.0000	H, V	5M00G7W	Tx	47.40	16.40	TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
417)	11450.0000-12200.0000	H, V	44K8G1W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
418)	11450.0000-12200.0000	H, V	44K8G7W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
419)	11450.0000-12200.0000	H, V	54M0G1W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
420)	11450.0000-12200.0000	H, V	54M0G7W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
421)	10950.0000-11200.0000	H, V	44K8G1W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
422)	10950.0000-11200.0000	H, V	44K8G7W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
423)	10950.0000-11200.0000	H, V	54M0G1W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
424)	10950.0000-11200.0000	H, V	54M0G7W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
425)	14000.0000-14500.0000	H, V	44K8G1W	Tx	36.40	25.90	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
426)	14000.0000-14500.0000	H, V	44K8G7W	Tx	36.40	25.90	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
427)	14000.0000-14500.0000	H, V	5M00G1W	Tx	53.44	22.44	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
428)	14000.0000-14500.0000	H, V	5M00G7W	Tx	53.44	22.44	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
429)	14000.0000-14500.0000	H, V	7M00G1W	Tx	53.44	21.01	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
430)	14000.0000-14500.0000	H, V	7M00G7W	Tx	53.44	21.01	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
431)	11450.0000-12200.0000	H, V	44K8G1W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
432)	11450.0000-12200.0000	H, V	44K8G7W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
433)	11450.0000-12200.0000	H, V	54M0G1W	Rx			TTSA900		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
434)	11450.0000-12200.0000	H, V	54M0G7W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
435)	10950.0000-11200.0000	H, V	44K8G1W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
436)	10950.0000-11200.0000	H, V	44K8G7W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
437)	10950.0000-11200.0000	H, V	54M0G1W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
438)	10950.0000-11200.0000	H, V	54M0G7W	Rx			TTSA900		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)	3700.0000-4200.0000			05.0	05.0				9707/97/11
2)	5925.0000-6425.0000			05.0	05.0				9707/97/11
3)	5925.0000-6425.0000			05.0	05.0				INTV240
4)	3700.0000-4200.0000			05.0	05.0				INTV240
5)	3700.0000-4200.0000			05.0	05.0				9711QORC
6)	5925.0000-6425.0000			05.0	05.0				9711QORC
7)	5925.0000-6425.0000			05.0	05.0				OR7-300C
8)	3700.0000-4200.0000			05.0	05.0				OR7-300C
9)	5925.0000-6425.0000			05.0	05.0				INTV240MC
10)	3700.0000-4200.0000			05.0	05.0				INTV240MC
11)	5925.0000-6425.0000			05.0	05.0				ORAL-7108
12)	3700.0000-4200.0000			05.0	05.0				ORAL-7108
13)	10950.0000-12200.0000			05.0	05.0				4003
14)	14000.0000-14500.0000			05.0	05.0				4003
15)	10950.0000-12200.0000			05.0	05.0				TTSA900
16)	14000.0000-14500.0000			05.0	05.0				TTSA900
17)	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		
18)	14000.0000-14500.0000			05.0	-05.0				INTV60G
19)	10950.0000-12200.0000			05.0	-05.0				INTV80G
20)	14000.0000-14500.0000			05.0	-05.0				INTV80G
21)	10950.0000-12200.0000			05.0	-05.0				INTV110
22)	14000.0000-14500.0000			05.0	-05.0				INTV110
23)	10950.0000-12200.0000			05.0	-05.0				9711QORKU
24)	14000.0000-14500.0000			05.0	-05.0				9711QORKU
25)	10950.0000-12200.0000			05.0	-05.0				6006/9/12
26)	14000.0000-14500.0000			05.0	-05.0				6006/9/12
27)	10950.0000-12200.0000			05.0	-05.0				9797/11KU
28)	14000.0000-14500.0000			05.0	-05.0				9797/11KU
29)	10950.0000-12200.0000			05.0	-05.0				INTV240K
30)	14000.0000-14500.0000			05.0	-05.0				INTV240K
31)	14000.0000-14500.0000			05.0	-05.0				4006/9/10
32)	10950.0000-12200.0000			05.0	-05.0				4006/9/10
33)	10950.0000-12200.0000			05.0	-05.0				4996
34)	14000.0000-14500.0000			05.0	-05.0				4996
35)	10950.0000-12200.0000			05.0	-05.0				5009/10/12
36)	14000.0000-14500.0000			05.0	-05.0				5009/10/12
37)	14000.0000-14500.0000			05.0	-05.0				900B/FV110
38)	10950.0000-12200.0000			05.0	-05.0				900B/FV110
39)	14000.0000-14500.0000			05.0	-05.0				OR7-300K
40)	10950.0000-12200.0000			05.0	-05.0				OR7-300K
41)	14000.0000-14500.0000			05.0	-05.0				ORAL-7103
42)	10950.0000-12200.0000			05.0	-05.0				ORAL-7103
43)	14000.0000-14500.0000			05.0	-05.0				ORTR4-500
44)	10950.0000-12200.0000			05.0	-05.0				ORTR4-500
45)	14000.0000-14500.0000			05.0	-05.0				INTV65/65G
46)	10950.0000-12200.0000			05.0	-05.0				INTV65/65G
47)	14000.0000-14500.0000			05.0	-05.0				MITMVA120
48)	10950.0000-12200.0000			05.0	-05.0				MITMVA120
49)	14000.0000-14500.0000			05.0	-05.0				INTV100
50)	10950.0000-12200.0000			05.0	-05.0				INTV100
51)	10950.0000-12200.0000			05.0	-05.0				INTV130/G



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RADIO STATION AUTHORIZATION

Name: Marlink, Inc.

Call Sign: WB36

Authorization Type: Modification of License

File Number: SES-MOD-20171011-01136

Non Common Carrier

Grant date: 02/26/2018

Expiration Date: 10/22/2026

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		
52)	14000.0000-14500.0000			05.0	-05.0				INTV130/G
53)	10950.0000-12200.0000			05.0	-05.0				MITMVA60
54)	14000.0000-14500.0000			05.0	-05.0				MITMVA60
55)	10950.0000-12200.0000			05.0	-05.0				TTSA800A
56)	14000.0000-14500.0000			05.0	-05.0				TTSA800A
57)	14000.0000-14500.0000			05.0	-05.0				INTV240MK
58)	10950.0000-12200.0000			05.0	-05.0				INTV240MK
59)	14000.0000-14500.0000			05.0	-05.0				INTV150
60)	10950.0000-12200.0000			05.0	-05.0				INTV150
61)	14000.0000-14500.0000			05.0	-05.0				INTV85
62)	10950.0000-12200.0000			05.0	-05.0				INTV85
63)	14000.0000-14500.0000			05.0	-05.0				TTSA600
64)	10950.0000-12200.0000			05.0	-05.0				TTSA600
65)	10950.0000-12200.0000			05.0	-05.0				SAT30/3011
66)	14000.0000-14500.0000			05.0	-05.0				SAT30/3011
67)	10950.0000-12200.0000			05.0	-05.0				3612
68)	14000.0000-14500.0000			05.0	-05.0				3612
69)	10950.0000-12200.0000			05.0	-05.0				4012
70)	14000.0000-14500.0000			05.0	-05.0				4012
71)	14000.0000-14500.0000	64.0W	-144.0W	05.0	-05.0				SA1.2MFLY
72)	11700.0000-12200.0000	64.0W	-144.0W	05.0	-05.0				SA1.2MFLY

D) Points of Communications

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

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



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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	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		
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	9797,9711,9711IN			
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		



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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	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	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		
2	INTV150	500	1.5	INTELLIAN	V150			
	Max Gains(s):		43.8 dBi @	12.2000 GHz	45.1 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =					94.80		
	Maximum aggregate output EIRP for all carriers (dBW) =					64.86		
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		



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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)
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		
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	INTV85	500	0.85	INTELLIAN	V85			
	Max Gains(s):		38.8 dBi @	11.7000 GHz	40.6 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =					12.70		
	Maximum aggregate output EIRP for all carriers (dBW) =					51.63		



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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	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		
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		



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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			
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	TTSA800A	500	0.83	THRANE & THRANE	TT-7080A SAILOR 800A			
	Max Gains(s):		37.9 dBi @	11.7000 GHz	40.0 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =				5.50			
	Maximum aggregate output EIRP for all carriers (dBW) =				47.40			
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			



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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 |

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 (IBFS) in the "Other Filings" tab within 10 days of the change.
 - 5 --- Licensee must notify the Commission when this earth station is no longer operational or when it has not been used to provide any service during any 6-month operation.
 - 101 --- Antennas of Site ID 2 may operate on land as a temporary-fixed earth stations in the United States for purposes of testing antennas, demonstrating, troubleshooting and diagnose, and resolve customer technical problems.
 - 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.



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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:

- 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.
- 176 --- In the 10.7-11.7 GHz band, all operations are on an unprotected basis. The licensee shall not claim protection from, and is required to accept interference from, other lawfully operating satellites or radiocommunication systems.
- 249 --- This license is granted authority to provide services for both Earth Stations on-board Vessels (ESV) and VSAT Network.
- 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.
- 4334 --- NG182 In the bands 10.95-11.2 GHz and 11.45-11.7 GHz, earth stations on vessels (ESV) may be authorized to communicate with U.S. earth stations through space stations of the fixed satellite service but must accept interference from terrestrial systems operating in accordance with Commission Rules.
- 90276 --- Frequency bands 14.00-14.20 and 14.47-14.50 GHz for ESV operations in this license are subject to the successful coordination through the National Telecommunications and Information Administration (NTIA) Interdepartment Radio Advisory Committee (IRAC). Full compliance with 47 CFR Parts 25.222 Section (c) and (d) rules is required.
- 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:

90414 --- Marlink, Inc. must comply with the commitments and undertakings set forth in the May 24, 2016 National Security Agreement between Marlink, Inc., Truk AS, on the one hand, and the U.S. Department of Justice on the other (NSA). A failure to comply and/or remain in compliance with any of these commitments and undertakings shall constitute a failure to meet a condition of the underlying authorization and thus grounds for declaring the authorization terminated without further action on the part of the Commission. Failure to meet a condition of the authorization may also result in monetary sanctions or other enforcement action by the Commission. The Petition and the NSA may be viewed on the FCC's website through the International Bureau Filing System (IBFS) by searching for ITC-T/C-20160119-00044 and accessing the "Other Filings related to this application" from the Document Viewing Area.

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.



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

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

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

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

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

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

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

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

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

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