



**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-20160630-00625

Non Common Carrier

Grant date: 09/23/2016

Expiration Date: 10/22/2026



Nature of Service: Fixed Satellite Service

Nature of Service: Other

Class of Station: Other

**A) Site Location(s)**

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1)	1	C-BAND REMOTE ESVS/US AND INTL WATERS 11707 S SAM HOUSTON PARKWAY W, SUITE A				NA	Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209
2)	2	KU-BAND REMOTE ESVS/US AND INTL WATERS 11707 S SAM HOUSTON PARKWAY W, SUITE A				NA	Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209
3)	3	KU-BAND REMOTE VSATS/CONUS, AK, HI, US&P 11707 S. SAM HOUSTON PARKWAY W, SUITE A				NA	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 September 23, 2017 (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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**B) Particulars of Operations**

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



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56)	11450.0000-12200.0000	H, V	54M0G7W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
57)	10950.0000-11200.0000	H, V	44K8G1W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
58)	10950.0000-11200.0000	H, V	44K8G7W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
59)	10950.0000-11200.0000	H, V	54M0G1W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
60)	10950.0000-11200.0000	H, V	54M0G7W	Rx			4996		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
61)	14000.0000-14500.0000	H, V	44K8G1W	Tx	39.50	29.00	5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
62)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.50	29.00	5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
63)	14000.0000-14500.0000	H, V	8M00G1W	Tx	56.26	23.26	5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
64)	14000.0000-14500.0000	H, V	8M00G7W	Tx	56.26	23.26	5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
65)	11450.0000-12200.0000	H, V	44K8G1W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
66)	11450.0000-12200.0000	H, V	44K8G7W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
67)	11450.0000-12200.0000	H, V	54M0G1W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
68)	11450.0000-12200.0000	H, V	54M0G7W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
69)	10950.0000-11200.0000	H, V	44K8G1W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
70)	10950.0000-11200.0000	H, V	44K8G7W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
71)	10950.0000-11200.0000	H, V	54M0G1W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
72)	10950.0000-11200.0000	H, V	54M0G7W	Rx			5009/10/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
73)	14000.0000-14500.0000	H, V	10M0G1W	Tx	58.38	24.38	6006/9/12		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
74)	14000.0000-14500.0000	H, V	10M0G7W	Tx	58.38	24.38	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
75)	14000.0000-14500.0000	H, V	44K8G1W	Tx	41.60	31.10	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
76)	14000.0000-14500.0000	H, V	44K8G7W	Tx	41.60	31.10	6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
77)	11450.0000-12200.0000	H, V	44K8G1W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
78)	11450.0000-12200.0000	H, V	44K8G7W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
79)	11450.0000-12200.0000	H, V	54M0G7W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
80)	11450.0000-12200.0000	H, V	54M0G1W	Rx	0.00		6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
81)	10950.0000-11200.0000	H, V	44K8G1W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
82)	10950.0000-11200.0000	H, V	44K8G7W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
83)	10950.0000-11200.0000	H, V	54M0G1W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
84)	10950.0000-11200.0000	H, V	54M0G7W	Rx			6006/9/12		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
85)	14000.0000-14500.0000	H, V	44K8G1W	Tx	35.80	25.30	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
86)	14000.0000-14500.0000	H, V	44K8G7W	Tx	35.80	25.30	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
87)	14000.0000-14500.0000	H, V	5M00G1W	Tx	49.80	18.80	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
88)	14000.0000-14500.0000	H, V	5M00G7W	Tx	49.80	18.80	900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
89)	11450.0000-12200.0000	H, V	44K8G1W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
90)	11450.0000-12200.0000	H, V	44K8G7W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
91)	11450.0000-12200.0000	H, V	54M0G1W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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92)	11450.0000-12200.0000	H, V	54M0G7W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
93)	10950.0000-11200.0000	H, V	44K8G1W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
94)	10950.0000-11200.0000	H, V	44K8G7W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
95)	10950.0000-11200.0000	H, V	54M0G1W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
96)	10950.0000-11200.0000	H, V	54M0G7W	Rx			900B/FV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
97)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	64.00	28.30	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
98)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	64.00	28.30	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
99)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	45.20	34.70	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
100)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	45.20	34.70	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
101)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
102)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
103)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
104)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx		0.00	9707/97/11		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
105)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	64.00	28.30	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
106)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	64.00	28.30	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
107)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	45.20	34.70	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
108)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	45.20	34.70	9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
109)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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**B) Particulars of Operations**

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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
110)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
111)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
112)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx			9711QORC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
113)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.50	29.00	9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
114)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.50	29.00	9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
115)	14000.0000-14500.0000	H, V	8M00G1W	Tx	56.26	23.26	9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
116)	14000.0000-14500.0000	H, V	8M00G7W	Tx	56.26	23.26	9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
117)	11450.0000-12200.0000	H, V	44K8G1W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
118)	11450.0000-12200.0000	H, V	44K8G7W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
119)	11450.0000-12200.0000	H, V	54M0G1W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
120)	11450.0000-12200.0000	H, V	54M0G7W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
121)	10950.0000-11200.0000	H, V	44K8G1W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
122)	10950.0000-11200.0000	H, V	44K8G7W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
123)	10950.0000-11200.0000	H, V	54M0G1W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
124)	10950.0000-11200.0000	H, V	54M0G7W	Rx			9711QORKU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
125)	14000.0000-14500.0000	H, V	15M0G1W	Tx	67.70	32.00	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
126)	14000.0000-14500.0000	H, V	15M0G7W	Tx	67.70	32.00	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
127)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.90	34.45	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION





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**RADIO STATION AUTHORIZATION**

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Call Sign: WB36

Authorization Type: Modification of License

File Number: SES-MOD-20160630-00625

Non Common Carrier

Grant date: 09/23/2016

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
128)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.90	34.45	9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
129)	11450.0000-12200.0000	H, V	44K8G1W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
130)	11450.0000-12200.0000	H, V	44K8G7W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
131)	11450.0000-12200.0000	H, V	54M0G1W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
132)	11450.0000-12200.0000	H, V	54M0G7W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
133)	10950.0000-11200.0000	H, V	44K8G1W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
134)	10950.0000-11200.0000	H, V	44K8G7W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
135)	10950.0000-11200.0000	H, V	54M0G1W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
136)	10950.0000-11200.0000	H, V	54M0G7W	Rx			9797/11KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
137)	14000.0000-14500.0000	H, V	44K8G1W	Tx	37.10	26.60	INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
138)	14000.0000-14500.0000	H, V	44K8G7W	Tx	37.10	26.60	INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
139)	14000.0000-14500.0000	H, V	5M00G1W	Tx	52.60	21.63	INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
140)	14000.0000-14500.0000	H, V	5M00G7W	Tx	52.60	21.63	INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
141)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
142)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
143)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
144)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
145)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV100		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
146)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
147)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
148)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV100		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
149)	14000.0000-14500.0000	H, V	44K8G1W	Tx	36.00	25.50	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
150)	14000.0000-14500.0000	H, V	44K8G7W	Tx	36.00	25.50	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
151)	14000.0000-14500.0000	H, V	5M00G1W	Tx	53.14	22.14	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
152)	14000.0000-14500.0000	H, V	5M00G7W	Tx	53.14	22.14	INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
153)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
154)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
155)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
156)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
157)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
158)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
159)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
160)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV110		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
161)	14000.0000-14500.0000	H, V	44K8G1W	Tx	39.70	29.20	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
162)	14000.0000-14500.0000	H, V	44K8G7W	Tx	39.70	29.20	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
163)	14000.0000-14500.0000	H, V	8M00G1W	Tx	54.40	21.40	INTV130/G		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
164)	14000.0000-14500.0000	H, V	8M00G7W	Tx	54.40	21.40	INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
165)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
166)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
167)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
168)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
169)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
170)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
171)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
172)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV130/G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
173)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	60.70	25.00	INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
174)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	60.70	25.00	INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
175)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	43.83	33.33	INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
176)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	43.83	33.33	INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
177)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
178)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
179)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
180)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx			INTV240		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
181)	14000.0000-14500.0000	H, V	15M0G1W	Tx	66.60	30.90	INTV240K		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
182)	14000.0000-14500.0000	H, V	15M0G7W	Tx	66.60	30.90	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
183)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.50	34.00	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
184)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.50	34.00	INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
185)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
186)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
187)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
188)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
189)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
190)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
191)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
192)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV240K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
193)	14000.0000-14500.0000	H, V	15M0G1W	Tx	66.60	30.86	INTV240KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
194)	14000.0000-14500.0000	H, V	15M0G7W	Tx	66.60	30.86	INTV240KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
195)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.90	34.40	INTV240KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
196)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.90	34.40	INTV240KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
197)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV240KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
198)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV240KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
199)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV240KU		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
200)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV240KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
201)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV240KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
202)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV240KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
203)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV240KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
204)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV240KU		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
205)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	63.91	28.17	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
206)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	63.91	28.17	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
207)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	44.98	34.48	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
208)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	44.98	34.48	INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
209)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
210)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
211)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx			INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
212)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx			INTV240MC		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
213)	14000.0000-14500.0000	H, V	1M20G1W	Tx	40.57	15.80	INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
214)	14000.0000-14500.0000	H, V	1M20G7W	Tx	40.57	15.80	INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
215)	14000.0000-14500.0000	H, V	44K8G1W	Tx	26.30	15.80	INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
216)	14000.0000-14500.0000	H, V	44K8G7W	Tx	26.30	15.80	INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
217)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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**B) Particulars of Operations**

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 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
218)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
219)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
220)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
221)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
222)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
223)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
224)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV60G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
225)	14000.0000-14500.0000	H, V	1M20G1W	Tx	40.37	15.60	INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
226)	14000.0000-14500.0000	H, V	1M20G7W	Tx	40.37	15.60	INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
227)	14000.0000-14500.0000	H, V	44K8G1W	Tx	26.09	15.60	INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
228)	14000.0000-14500.0000	H, V	44K8G7W	Tx	26.09	15.60	INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
229)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
230)	11450.0000-12200.0000	H, V	44K8G7W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
231)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
232)	11450.0000-12200.0000	H, V	54M0G1W	Rx	0.00		INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
233)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
234)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
235)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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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
236)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV65/65G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
237)	14000.0000-14500.0000	H, V	1M20G1W	Tx	44.14	19.37	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
238)	14000.0000-14500.0000	H, V	1M20G7W	Tx	44.14	19.37	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
239)	14000.0000-14500.0000	H, V	44K8G1W	Tx	29.87	19.37	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
240)	14000.0000-14500.0000	H, V	44K8G7W	Tx	29.87	19.37	INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
241)	11450.0000-12200.0000	H, V	44K8G1W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
242)	11450.0000-12200.0000	H, V	54M0G1W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
243)	11450.0000-12200.0000	H, V	54M0G7W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
244)	11450.0000-12200.0000	H, V	44K8G7W	Rx	0.00		INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
245)	10950.0000-11200.0000	H, V	44K8G1W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
246)	10950.0000-11200.0000	H, V	44K8G7W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
247)	10950.0000-11200.0000	H, V	54M0G1W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
248)	10950.0000-11200.0000	H, V	54M0G7W	Rx			INTV80G		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
249)	14000.0000-14500.0000	H, V	44K8G1W	Tx	44.22	33.72	MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
250)	14000.0000-14500.0000	H, V	44K8G7W	Tx	44.22	33.72	MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
251)	14000.0000-14500.0000	H, V	8M00G1W	Tx	55.72	22.72	MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
252)	14000.0000-14500.0000	H, V	8M00G7W	Tx	55.72	22.72	MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
253)	11450.0000-12200.0000	H, V	44K8G1W	Rx			MITMVA120		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
254)	11450.0000-12200.0000	H, V	44K8G7W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
255)	11450.0000-12200.0000	H, V	54M0G1W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
256)	11450.0000-12200.0000	H, V	54M0G7W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
257)	10950.0000-11200.0000	H, V	44K8G1W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
258)	10950.0000-11200.0000	H, V	44K8G7W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
259)	10950.0000-11200.0000	H, V	54M0G1W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
260)	10950.0000-11200.0000	H, V	54M0G7W	Rx			MITMVA120		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
261)	14000.0000-14500.0000	H, V	1M10G1W	Tx	46.34	21.95	MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
262)	14000.0000-14500.0000	H, V	1M10G7W	Tx	46.34	21.95	MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
263)	14000.0000-14500.0000	H, V	44K8G1W	Tx	34.93	24.43	MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
264)	14000.0000-14500.0000	H, V	44K8G7W	Tx	34.93	24.43	MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
265)	11450.0000-12200.0000	H, V	44K8G1W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
266)	11450.0000-12200.0000	H, V	44K8G7W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
267)	11450.0000-12200.0000	H, V	54M0G1W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
268)	11450.0000-12200.0000	H, V	54M0G7W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
269)	10950.0000-11200.0000	H, V	44K8G1W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
270)	10950.0000-11200.0000	H, V	44K8G7W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
271)	10950.0000-11200.0000	H, V	54M0G1W	Rx			MITMVA60		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
272)	10950.0000-11200.0000	H, V	54M0G7W	Rx			MITMVA60		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
273)	5925.0000-6425.0000	H, V, L, R	15M0G1W	Tx	61.50	25.76	OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
274)	5925.0000-6425.0000	H, V, L, R	15M0G7W	Tx	61.50	25.76	OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
275)	5925.0000-6425.0000	H, V, L, R	44K8G1W	Tx	39.49	29.00	OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
276)	5925.0000-6425.0000	H, V, L, R	44K8G7W	Tx	39.49	29.00	OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
277)	3700.0000-4200.0000	H, V, L, R	44K8G1W	Rx			OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
278)	3700.0000-4200.0000	H, V, L, R	44K8G7W	Rx			OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
279)	3700.0000-4200.0000	H, V, L, R	54M0G7W	Rx			OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
280)	3700.0000-4200.0000	H, V, L, R	54M0G1W	Rx	0.00		OR7-300C		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
281)	14000.0000-14500.0000	H, V	15M0G1W	Tx	65.50	29.76	OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
282)	14000.0000-14500.0000	H, V	15M0G7W	Tx	65.50	29.76	OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
283)	14000.0000-14500.0000	H, V	44K8G1W	Tx	40.50	29.99	OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
284)	14000.0000-14500.0000	H, V	44K8G7W	Tx	40.50	29.99	OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
285)	11450.0000-12200.0000	H, V	44K8G1W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
286)	11450.0000-12200.0000	H, V	44K8G7W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
287)	11450.0000-12200.0000	H, V	54M0G1W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
288)	11450.0000-12200.0000	H, V	54M0G7W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
289)	10950.0000-11200.0000	H, V	44K8G1W	Rx			OR7-300K		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
290)	10950.0000-11200.0000	H, V	44K8G7W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
291)	10950.0000-11200.0000	H, V	54M0G1W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
292)	10950.0000-11200.0000	H, V	54M0G7W	Rx			OR7-300K		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
293)	14000.0000-14500.0000	H, V	44K8G1W	Tx	35.40	24.90	ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
294)	14000.0000-14500.0000	H, V	44K8G7W	Tx	35.40	24.90	ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
295)	14000.0000-14500.0000	H, V	8M00G1W	Tx	57.90	24.90	ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
296)	14000.0000-14500.0000	H, V	8M00G7W	Tx	57.90	24.90	ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
297)	11450.0000-12200.0000	H, V	44K8G1W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
298)	11450.0000-12200.0000	H, V	44K8G7W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
299)	11450.0000-12200.0000	H, V	54M0G1W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
300)	11450.0000-12200.0000	H, V	54M0G7W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
301)	10950.0000-11200.0000	H, V	44K8G1W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
302)	10950.0000-11200.0000	H, V	44K8G7W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
303)	10950.0000-11200.0000	H, V	54M0G1W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
304)	10950.0000-11200.0000	H, V	54M0G7W	Rx			ORAL-7103		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
305)	14000.0000-14500.0000	H, V	44K8G1W	Tx	34.61	24.12	ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
306)	14000.0000-14500.0000	H, V	44K8G7W	Tx	34.61	24.12	ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
307)	14000.0000-14500.0000	H, V	8M00G1W	Tx	57.13	24.12	ORTR4-500		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
308)	14000.0000-14500.0000	H, V	8M00G7W	Tx	57.13	24.12	ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
309)	11450.0000-12200.0000	H, V	44K8G1W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
310)	11450.0000-12200.0000	H, V	44K8G7W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
311)	11450.0000-12200.0000	H, V	54M0G1W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
312)	11450.0000-12200.0000	H, V	54M0G7W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
313)	10950.0000-11200.0000	H, V	44K8G1W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
314)	10950.0000-11200.0000	H, V	44K8G7W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
315)	10950.0000-11200.0000	H, V	54M0G1W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
316)	10950.0000-11200.0000	H, V	54M0G7W	Rx			ORTR4-500		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
317)	14000.0000-14500.0000	H, V	10M0G1W	Tx	58.84	24.84	SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
318)	14000.0000-14500.0000	H, V	10M0G7W	Tx	58.84	24.84	SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
319)	14000.0000-14500.0000	H, V	64K0G1W	Tx	40.14	28.10	SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
320)	14000.0000-14500.0000	H, V	64K0G7W	Tx	40.14	28.10	SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
321)	11700.0000-12200.0000	H, V	1M00G1W	Rx			SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
322)	11700.0000-12200.0000	H, V	1M00G7W	Rx			SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
323)	11700.0000-12200.0000	H, V	36M0G1W	Rx			SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
324)	11700.0000-12200.0000	H, V	36M0G7W	Rx			SA1.2MFLY		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
325)	14000.0000-14500.0000	H, V	1M10G1W	Tx	41.80	17.40	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
326)	14000.0000-14500.0000	H, V	1M10G7W	Tx	41.80	17.40	SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
327)	14000.0000-14500.0000	H, V	44K8G1W	Tx	27.90	17.40	SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
328)	14000.0000-14500.0000	H, V	44K8G7W	Tx	27.90	17.40	SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
329)	11450.0000-12200.0000	H, V	44K8G1W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
330)	11450.0000-12200.0000	H, V	44K8G7W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
331)	11450.0000-12200.0000	H, V	54M0G1W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
332)	11450.0000-12200.0000	H, V	54M0G7W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
333)	10950.0000-11200.0000	H, V	44K8G1W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
334)	10950.0000-11200.0000	H, V	44K8G7W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
335)	10950.0000-11200.0000	H, V	54M0G1W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
336)	10950.0000-11200.0000	H, V	54M0G7W	Rx			SAT30/3011		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
337)	14000.0000-14500.0000	H, V	44K8G1W	Tx	31.30	20.80	TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
338)	14000.0000-14500.0000	H, V	44K8G7W	Tx	31.30	20.80	TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
339)	14000.0000-14500.0000	H, V	5M00G1W	Tx	47.40	16.40	TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
340)	14000.0000-14500.0000	H, V	5M00G7W	Tx	47.40	16.40	TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
341)	11450.0000-12200.0000	H, V	44K8G1W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
342)	11450.0000-12200.0000	H, V	44K8G7W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
343)	11450.0000-12200.0000	H, V	54M0G1W	Rx			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
344)	11450.0000-12200.0000	H, V	54M0G7W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
345)	10950.0000-11200.0000	H, V	44K8G1W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
346)	10950.0000-11200.0000	H, V	44K8G7W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
347)	10950.0000-11200.0000	H, V	54M0G1W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
348)	10950.0000-11200.0000	H, V	54M0G7W	Rx			TTSA800A		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
349)	14000.0000-14500.0000	H, V	44K8G1W	Tx	36.40	25.90	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
350)	14000.0000-14500.0000	H, V	44K8G7W	Tx	36.40	25.90	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
351)	14000.0000-14500.0000	H, V	5M00G1W	Tx	53.44	22.44	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
352)	14000.0000-14500.0000	H, V	5M00G7W	Tx	53.44	22.44	TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
353)	11450.0000-12200.0000	H, V	44K8G1W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
354)	11450.0000-12200.0000	H, V	44K8G7W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
355)	11450.0000-12200.0000	H, V	54M0G1W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
356)	11450.0000-12200.0000	H, V	54M0G7W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
357)	10950.0000-11200.0000	H, V	44K8G1W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
358)	10950.0000-11200.0000	H, V	44K8G7W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
359)	10950.0000-11200.0000	H, V	54M0G1W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
360)	10950.0000-11200.0000	H, V	54M0G7W	Rx			TTSA900		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION



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**RADIO STATION AUTHORIZATION**

Name: Marlink, Inc.

Call Sign: WB36

Authorization Type: Modification of License

File Number: SES-MOD-20160630-00625

Non Common Carrier

Grant date: 09/23/2016

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		
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)	10950.0000-12200.0000			05.0	-05.0				SAT30/3011
12)	14000.0000-14500.0000			05.0	-05.0				SAT30/3011
13)	10950.0000-12200.0000			05.0	-05.0				3612
14)	14000.0000-14500.0000			05.0	-05.0				3612
15)	10950.0000-12200.0000			05.0	-05.0				4012
16)	14000.0000-14500.0000			05.0	-05.0				4012
17)	10950.0000-12200.0000			05.0	-05.0				4003
18)	14000.0000-14500.0000			05.0	-05.0				4003
19)	10950.0000-12200.0000			05.0	-05.0				TTSA900
20)	14000.0000-14500.0000			05.0	-05.0				TTSA900
21)	10950.0000-12200.0000			05.0	-05.0				INTV60G
22)	14000.0000-14500.0000			05.0	-05.0				INTV60G
23)	10950.0000-12200.0000			05.0	-05.0				INTV80G
24)	14000.0000-14500.0000			05.0	-05.0				INTV80G
25)	10950.0000-12200.0000			05.0	-05.0				INTV110
26)	14000.0000-14500.0000			05.0	-05.0				INTV110
27)	10950.0000-12200.0000			05.0	-05.0				9711QORKU
28)	14000.0000-14500.0000			05.0	-05.0				9711QORKU
29)	10950.0000-12200.0000			05.0	-05.0				6006/9/12
30)	14000.0000-14500.0000			05.0	-05.0				6006/9/12
31)	10950.0000-12200.0000			05.0	-05.0				9797/11KU
32)	14000.0000-14500.0000			05.0	-05.0				9797/11KU
33)	10950.0000-12200.0000			05.0	-05.0				INTV240K
34)	14000.0000-14500.0000			05.0	-05.0				INTV240K



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**RADIO STATION AUTHORIZATION**

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Call Sign: WB36

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File Number: SES-MOD-20160630-00625

Non Common Carrier

Grant date: 09/23/2016

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		
35)	14000.0000-14500.0000			05.0	-05.0				4006/9/10
36)	10950.0000-12200.0000			05.0	-05.0				4006/9/10
37)	10950.0000-12200.0000			05.0	-05.0				4996
38)	14000.0000-14500.0000			05.0	-05.0				4996
39)	10950.0000-12200.0000			05.0	-05.0				5009/10/12
40)	14000.0000-14500.0000			05.0	-05.0				5009/10/12
41)	14000.0000-14500.0000			05.0	-05.0				900B/FV110
42)	10950.0000-12200.0000			05.0	-05.0				900B/FV110
43)	14000.0000-14500.0000			05.0	-05.0				OR7-300K
44)	10950.0000-12200.0000			05.0	-05.0				OR7-300K
45)	14000.0000-14500.0000			05.0	-05.0				ORAL-7103
46)	10950.0000-12200.0000			05.0	-05.0				ORAL-7103
47)	14000.0000-14500.0000			05.0	-05.0				ORTR4-500
48)	10950.0000-12200.0000			05.0	-05.0				ORTR4-500
49)	14000.0000-14500.0000			05.0	-05.0				INTV65/65G
50)	10950.0000-12200.0000			05.0	-05.0				INTV65/65G
51)	14000.0000-14500.0000			05.0	-05.0				MITMVA120
52)	10950.0000-12200.0000			05.0	-05.0				MITMVA120
53)	14000.0000-14500.0000			05.0	-05.0				INTV100
54)	10950.0000-12200.0000			05.0	-05.0				INTV100
55)	10950.0000-12200.0000			05.0	-05.0				INTV130/G
56)	14000.0000-14500.0000			05.0	-05.0				INTV130/G
57)	10950.0000-12200.0000			05.0	-05.0				MITMVA60
58)	14000.0000-14500.0000			05.0	-05.0				MITMVA60
59)	10950.0000-12200.0000			05.0	-05.0				T TSA800A
60)	14000.0000-14500.0000			05.0	-05.0				T TSA800A
61)	14000.0000-14500.0000			05.0	-05.0				INTV240KU
62)	10950.0000-12200.0000			05.0	-05.0				INTV240KU
63)	14000.0000-14500.0000	64.0W	-144.0W	05.0	-05.0				SA1.2MFLY
64)	11700.0000-12200.0000	64.0W	-144.0W	05.0	-05.0				SA1.2MFLY



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Non Common Carrier

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**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

**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							





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**RADIO STATION AUTHORIZATION**

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Non Common Carrier

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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) =						21.28		
Maximum aggregate output EIRP for all carriers (dBW) =						58.38		
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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**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, 9711KU			
	Max Gains(s):		47.8 dBi @	11.8500 GHz	48.5 dBi @	14.2500 GHz		
	Maximum total input power at antenna flange (Watts) =				84.14			
	Maximum aggregate output EIRP for all carriers (dBW) =				67.70			
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			
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			



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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	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) =				72.44			
	Maximum aggregate output EIRP for all carriers (dBW) =				66.60			
2	INTV240KU	500	2.4	INTELLIAN	5V240M (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) =				66.07			
	Maximum aggregate output EIRP for all carriers (dBW) =				66.60			
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	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			



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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	OCEANTRX7-300-C			
	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	OCEANTRX7-300-KI			
	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	ORSATAL-7103MKII			
	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			
2	ORTR4-500	500	1.2	ORBIT	OCEANTRX4-500-KI			
	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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**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)
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	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			

**F) Remote Control Point:**

1	11707 S. SAM HOUSTON PARKWAY WEST, SUITE A HOUSTON, HARRIS, TX 77031 203-346-0461	Call Sign: WB36
2	11707 S. SAM HOUSTON PARKWAY WEST, SUITE A HOUSTON, HARRIS, TX 77031 203-346-0461	Call Sign: WB36



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**F) Remote Control Point:**

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3 11707 S. SAM HOUSTON PARKWAY WEST, SUITE A Call Sign: WB36  
HOUSTON, HARRIS, TX 77031  
203-346-0461

**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:

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.

167 --- This authorization is limited to the total number of terminals listed in Section A of this license for this Site ID.

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.

217 --- The " ALSAT" authority listed in this authorization as a point of communication is limited to communications in the 14.0-14.5 and 11.7-12.2 GHz bands only.

249 --- This license is granted authority to provide services for both Earth Stations on-board Vessels (ESV) and VSAT Network.



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-20160630-00625

Non Common Carrier

Grant date: 09/23/2016

Expiration Date: 10/22/2026

## 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. (NG104)

1010 --- Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.

1900 --- Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.

2010 --- This authorization is issued pursuant to the Commission's Second Report and Order adopted June 16, 1972 (35 FCC 2d 844) and Memorandum, Opinion and Order adopted December 21, 1972 (38 FCC 2d 665) in Docket No. 16495 and is subject to the policies adopted in that proceeding.

2916 --- Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.

2938 --- Upon completion of construction, each licensee must file with the Commission a certification including the following information: (1) name of the licensee, (2) file number of the application, (3) call sign of the antenna, (4) date of the license, (5) certification that the facility as authorized has been completed, (6) certification that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209, and (7) certification that the station is operational (including the date of commencement of service) and will remain operational during the license period unless the license is submitted for cancellation.

3212 --- The licensee shall take extraordinary measures to ensure that multiple antennas co-located at the same site do not create potential exposure to radiofrequency radiation in excess of FCC safety guidelines. Antennas shall be surrounded by a fence, at least 2 meters tall with a locked gate, to prevent human exposure in excess of the FCC-specified safety limit of 1 mW/cm<sup>2</sup>. Warning signs, such as those discussed in the FCC's OET Bulletin 65, shall be posted informing members of the public to keep outside the locked area. All operations must be in compliance with Section 1.1307 (b)(3) of the Commission's Rules. (See 47 CFR 1.1307 (b) (3)).

3219 --- All existing transmitting facilities, operations and devices regulated by the Commission must be in compliance with the Commission's radiofrequency (RF) exposure guidelines, pursuant to Section 1.1307(b)(1) through (b)(3) of the Commission's rules, or if not in compliance, file an Environmental Assessment (EA) as specified in Section 1.1311. See 47 CFR § 1.1307 (b) (5).

3428 --- This authorization is not to be construed as including any uplink or downlink authority in other countries.

3465 --- This authorization is subject to the policies adopted in the Report and Order, "Amendment of the Commission's Regulatory Policies to allow Non-US-Licensed Space Stations to provide Domestic and International Satellite Services in the United States," IB Docket 96-111, FCC 97-399 (Released November 26, 1997). (DISCO II)



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**RADIO STATION AUTHORIZATION**

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Authorization Type: Modification of License

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Non Common Carrier

Grant date: 09/23/2016

Expiration Date: 10/22/2026

## H) Special and General Provisions

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

- 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.
- 5012 --- The authority granted here is limited to the operation of the facilities described above and does not include any authority to install and operate channelizing equipment or any other authority under Section 214 of the Communications Act of 1934, as amended, to establish channels of communications.
- 5015 --- Upon completion of construction, each licensee must file with the Commission a certification including the following information: name of the licensee, file number of the application, call sign of the antenna, date of the license and certification that the facility as authorized has been completed, that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209 and that the station is operational including the date of commencement of service and will remain operational during the license period unless the license is submitted for cancellation.
- 5017 --- Operation of this station is governed by the terms, conditions and limitations in Part 25 of the Commission's Rules and Regulations and the following additional conditions: 1. This license shall not vest in the Licensee(s) any right to operate the station or any right in the use of the frequencies designated in the license beyond its term or in any other manner than authorized in the license; 2. Neither the license nor the right granted under it shall be assigned or otherwise transferred in violation of the Commissions or otherwise transferred in violation of the Communications Act of 1934, as amended, or the Commission's Rules and Regulations issued under it; and 3. This station is subject to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended.
- 5208 --- The licensee shall take all necessary measures to ensure that the antenna 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 wherever such exposures might occur. 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](http://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.
- 5216 --- All operations shall be on a non-common carrier basis.
- 5606 --- The use of the frequency bands 3700-4200 MHz and 5925-6425 MHz shall be limited to communication with ALSAT only.
- 5630 --- International services shall be consistent with this emission designator, the underlying title III application(s) and the acquisition of any necessary Section 214 authority.





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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:

- 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.
- 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.



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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.**