



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

Name: MCI Communications Services, Inc.

Call Sign: E070068

Authorization Type: Modification of License

File Number: SES-MOD-20150917-00624

Non Common Carrier

Grant date: 02/17/2016

Expiration Date: 06/12/2022

Nature of Service: Fixed Satellite Service

Class of Station: VSAT Network



**A) Site Location(s)**

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	BACKUP HUB2	604 E. HOAG ST. (9.0M. HUB2) YACOLT, CLARK, WA 98675	45°51'43.0"N	122°23'46.0"W	216	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
2)	REMOTE 24	604 E. HOAG ST. 1.2M. VSAT, (1000 UNITS) CONUS, AK, HI, PR, V,				UNK
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
3)	REMOTE 25	604 E. HOAG ST. 1.8M. VSAT, (1000 UNITS) CONUS, AK, HI, PR, V,				UNK
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
4)	REMOTE 26	604 E. HOAG ST. 1.2M. VSAT, (1000 UNITS) CONUS, AK, HI, PR, V,				UNK
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
5)	REMOTE 27	604 E. HOAG ST. 1.2M. VSAT, (1000 UNITS) CONUS, AK, HI, PR, V,				UNK
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
6)	REMOTE 28	604 E. HOAG ST. 0.75M. VSAT, (5000 UNITS) CONUS, AK, HI, PR, V,				UNK
Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.						



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#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
7)	Remote1	1.2 M. VSAT, (6000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
8)	Remote10	2.4 M. VSAT, (1000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
9)	Remote13	1.2 M. VSAT, (6000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
10)	Remote14	1.2 M. VSAT, (6000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
11)	Remote15	1.8 M. VSAT, (3000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
12)	Remote16	2.4 M. VSAT, (1000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
13)	Remote19	1.2 M. VSAT, (6000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					



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#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
14)	Remote2	1.8 M. VSAT, (3000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
15)	Remote20	1.8 M. VSAT, (3000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
16)	Remote22	1.8 M. VSAT, (1000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
17)	Remote23	2.4 M. VSAT, (1000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
18)	Remote3	2.4 M. VSAT, (1000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
19)	Remote4	1.2 M. VSAT, (6000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
20)	Remote5	1.8 M. VSAT, (3000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					



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#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
21)	Remote6	2.4 M. VSAT, (1000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
22)	Remote7	1.2 M. VSAT, (6000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
23)	Remote8	1.8 M. VSAT, (3000 UNITS) CONUS, AK, HI PR, VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
24)	YAC REMOTE 11	0.95M. VSAT, (3000 UNITS) CONUS, AK, HI, PR VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
25)	YAC REMOTE 12	0.98M. VSAT, (3000 UNITS) CONUS, AK, HI, PR VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
26)	YAC REMOTE 17	0.96M. VSAT, (3000 UNITS) CONUS, AK, HI, PR VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
27)	YAC REMOTE 18	1.0M. VSAT, (3000 UNITS) CONUS, AK, HI, PR VI,				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					



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**A) Site Location(s)**

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
28)	YAC REMOTE 21	0.98M. VSAT, (3000 UNITS)  CONUS, AK, HI, PR VI,  Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				NA	
29)	YAC- HUB2	604 E. HOAG ST. (9.0M. HUB2) YACOLT, CLARK, WA 98675  Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209	45°51'43.0"N	122°23'46.0"W	213	83	
30)	YAC/HUB	604 E. HOAG ST. (7.6M. HUB) YACOLT, CLARK, WA 98675  Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209	45°51'43.0"N	122°23'46.0"W	216	83	

*Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning June 12, 2007 (3 AM Eastern Standard Time) and ending June 12, 2022 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is February 17, 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	156KG7W	Tx	51.21	35.30	R 10		DIGITAL VIDEO, AND DATA
2)	14000.0000-14500.0000	H,V	2M50G7W	Tx	60.76	32.80	R 10		DIGITAL VIDEO, AND DATA
3)	11700.0000-12200.0000	H,V	156KG7W	Rx			R 10		DIGITAL VIDEO, AND DATA
4)	11700.0000-12200.0000	H,V	2M50G7W	Rx			R 10		DIGITAL VIDEO, AND DATA



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**B) Particulars of Operations**

The General Provision 1010 applies to all receiving frequency bands.  
The General Provision 1900 applies to all transmitting frequency bands.  
For the text of these provisions, refer to Section H.

#	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
5)	14000.0000-14500.0000	H, V	156KG7W	Tx	44.91	29.00	R 13		DIGITAL VIDEO, AND DATA
6)	14000.0000-14500.0000	H, V	2M50G7W	Tx	54.46	26.50	R 13		DIGITAL VIDEO, AND DATA
7)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 13		DIGITAL VIDEO, AND DATA
8)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 13		DIGITAL VIDEO, AND DATA
9)	14000.0000-14500.0000	H, V	156KG7W	Tx	45.11	29.20	R 14		DIGITAL VIDEO, AND DATA
10)	14000.0000-14500.0000	H, V	2M50G7W	Tx	54.66	26.70	R 14		DIGITAL VIDEO, AND DATA
11)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 14		DIGITAL VIDEO, AND DATA
12)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 14		DIGITAL VIDEO, AND DATA
13)	14000.0000-14500.0000	H, V	156KG7W	Tx	47.21	31.30	R 15		DIGITAL VIDEO, AND DATA
14)	14000.0000-14500.0000	H, V	2M50G7W	Tx	56.76	28.80	R 15		DIGITAL VIDEO, AND DATA
15)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 15		DIGITAL VIDEO, AND DATA
16)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 15		DIGITAL VIDEO, AND DATA
17)	14000.0000-14500.0000	H, V	156KG7W	Tx	51.11	35.20	R 16		DIGITAL VIDEO, AND DATA
18)	14000.0000-14500.0000	H, V	2M50G7W	Tx	60.66	32.70	R 16		DIGITAL VIDEO, AND DATA
19)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 16		DIGITAL VIDEO, AND DATA
20)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 16		DIGITAL VIDEO, AND DATA
21)	14000.0000-14500.0000	H, V	156KG7W	Tx	45.41	29.50	R 19		DIGITAL VIDEO, AND DATA
22)	14000.0000-14500.0000	H, V	2M50G7W	Tx	54.96	27.00	R 19		DIGITAL VIDEO, AND DATA
23)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 19		DIGITAL VIDEO, AND DATA
24)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 19		DIGITAL VIDEO, AND DATA
25)	14000.0000-14500.0000	H, V	156KG7W	Tx	41.41	25.50	R 20		DIGITAL VIDEO, AND DATA
26)	14000.0000-14500.0000	H, V	2M50G7W	Tx	50.96	23.00	R 20		DIGITAL VIDEO, AND DATA
27)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 20		DIGITAL VIDEO, AND DATA
28)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 20		DIGITAL VIDEO, AND DATA



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**B) Particulars of Operations**

The General Provision 1010 applies to all receiving frequency bands.  
 The General Provision 1900 applies to all transmitting frequency bands.  
 For the text of these provisions, refer to Section H.

#	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
29)	14000.0000-14500.0000	H, V	156KG7W	Tx	48.61	32.70	R 22		DIGITAL VIDEO, AND DATA
30)	14000.0000-14500.0000	H, V	2M50G7W	Tx	58.16	30.20	R 22		DIGITAL VIDEO, AND DATA
31)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 22		DIGITAL VIDEO, AND DATA
32)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 22		DIGITAL VIDEO, AND DATA
33)	14000.0000-14500.0000	H, V	156KG7W	Tx	49.51	33.60	R 23		DIGITAL VIDEO, AND DATA
34)	14000.0000-14500.0000	H, V	2M50G7W	Tx	59.06	31.10	R 23		DIGITAL VIDEO, AND DATA
35)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 23		DIGITAL VIDEO, AND DATA
36)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 23		DIGITAL VIDEO, AND DATA
37)	14000.0000-14500.0000	H, V	156KG7W	Tx	51.11	35.20	R 3		DIGITAL VIDEO, AND DATA
38)	14000.0000-14500.0000	H, V	2M50G7W	Tx	60.66	32.70	R 3		DIGITAL VIDEO, AND DATA
39)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 3		DIGITAL VIDEO, AND DATA
40)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 3		DIGITAL VIDEO, AND DATA
41)	14000.0000-14500.0000	H, V	156KG7W	Tx	45.31	29.40	R 4		DIGITAL VIDEO, AND DATA
42)	14000.0000-14500.0000	H, V	2M50G7W	Tx	54.86	26.90	R 4		DIGITAL VIDEO, AND DATA
43)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 4		DIGITAL VIDEO, AND DATA
44)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 4		DIGITAL VIDEO, AND DATA
45)	14000.0000-14500.0000	H, V	156KG7W	Tx	48.91	33.00	R 5		DIGITAL VIDEO, AND DATA
46)	14000.0000-14500.0000	H, V	2M50G7W	Tx	58.46	30.50	R 5		DIGITAL VIDEO, AND DATA
47)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 5		DIGITAL VIDEO, AND DATA
48)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 5		DIGITAL VIDEO, AND DATA
49)	14000.0000-14500.0000	H, V	156KG7W	Tx	51.51	35.60	R 6		DIGITAL VIDEO, AND DATA
50)	14000.0000-14500.0000	H, V	2M50G7W	Tx	61.06	33.10	R 6		DIGITAL VIDEO, AND DATA
51)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 6		DIGITAL VIDEO, AND DATA
52)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 6		DIGITAL VIDEO, AND DATA



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**B) Particulars of Operations**

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

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

#	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
53)	14000.0000-14500.0000	H, V	156KG7W	Tx	45.21	29.30	R 7		DIGITAL VIDEO, AND DATA
54)	14000.0000-14500.0000	H, V	2M50G7W	Tx	54.76	26.80	R 7		DIGITAL VIDEO, AND DATA
55)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 7		DIGITAL VIDEO, AND DATA
56)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 7		DIGITAL VIDEO, AND DATA
57)	14000.0000-14500.0000	H, V	156KG7W	Tx	48.71	32.80	R 8		DIGITAL VIDEO, AND DATA
58)	14000.0000-14500.0000	H, V	2M50G7W	Tx	58.26	30.30	R 8		DIGITAL VIDEO, AND DATA
59)	11700.0000-12200.0000	H, V	156KG7W	Rx			R 8		DIGITAL VIDEO, AND DATA
60)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R 8		DIGITAL VIDEO, AND DATA
61)	14000.0000-14500.0000	H, V	156KG7W	Tx	45.11	29.20	R1		DIGITAL VIDEO, AND DATA
62)	14000.0000-14500.0000	H, V	2M50G7W	Tx	54.66	26.70	R1		DIGITAL VIDEO, AND DATA
63)	11700.0000-12200.0000	H, V	156KG7W	Rx			R1		DIGITAL VIDEO, AND DATA
64)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R1		DIGITAL VIDEO, AND DATA
65)	14000.0000-14500.0000	H, V	156KG7W	Tx	48.41	32.50	R2		DIGITAL VIDEO, AND DATA
66)	14000.0000-14500.0000	H, V	2M50G7W	Tx	57.96	30.00	R2		DIGITAL VIDEO, AND DATA
67)	11700.0000-12200.0000	H, V	156KG7W	Rx			R2		DIGITAL VIDEO, AND DATA
68)	11700.0000-12200.0000	H, V	2M50G7W	Rx			R2		DIGITAL VIDEO, AND DATA
69)	14000.0000-14500.0000	H, V	150KG7D	Tx	44.93	29.20	R24		DIGITAL VIDEO, AND DATA
70)	14000.0000-14500.0000	H, V	2M43G7D	Tx	54.66	26.83	R24		DIGITAL VIDEO, AND DATA
71)	11700.0000-12200.0000	H, V	150KG7D	Rx			R24		DIGITAL VIDEO, AND DATA
72)	11700.0000-12200.0000	H, V	2M43G7D	Rx			R24		DIGITAL VIDEO, AND DATA
73)	14000.0000-14500.0000	H, V	150KG7D	Tx	48.43	32.70	R25		DIGITAL VIDEO, AND DATA
74)	14000.0000-14500.0000	H, V	2M43G7D	Tx	58.16	27.99	R25		DIGITAL VIDEO, AND DATA
75)	11700.0000-12200.0000	H, V	150KG7D	Rx			R25		DIGITAL VIDEO, AND DATA
76)	11700.0000-12200.0000	H, V	2M43G7D	Rx			R25		DIGITAL VIDEO, AND DATA





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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
77)	14000.0000-14500.0000	H, V	150KG7D	Tx	44.63	28.90	R26		DIGITAL VIDEO, AND DATA
78)	14000.0000-14500.0000	H, V	2M43G7D	Tx	54.36	26.53	R26		DIGITAL VIDEO, AND DATA
79)	11700.0000-12200.0000	H, V	150KG7D	Rx			R26		DIGITAL VIDEO, AND DATA
80)	11700.0000-12200.0000	H, V	2M43G7D	Rx			R26		DIGITAL VIDEO, AND DATA
81)	14000.0000-14500.0000	H, V	150KG7D	Tx	44.73	29.00	R27		DIGITAL VIDEO, AND DATA
82)	14000.0000-14500.0000	H, V	2M43G7D	Tx	54.46	26.63	R27		DIGITAL VIDEO, AND DATA
83)	11700.0000-12200.0000	H, V	150KG7D	Rx			R27		DIGITAL VIDEO, AND DATA
84)	11700.0000-12200.0000	H, V	2M43G7D	Rx			R27		DIGITAL VIDEO, AND DATA
85)	14000.0000-14500.0000	H, V	192KG7D	Tx	41.29	25.10	R28		DIGITAL VIDEO, AND DATA
86)	14000.0000-14500.0000	H, V	950KG7D	Tx	48.24	25.10	R28		DIGITAL VIDEO, AND DATA
87)	11700.0000-12200.0000	H, V	192KG7D	Rx			R28		DIGITAL VIDEO, AND DATA
88)	11700.0000-12200.0000	H, V	950KG7D	Rx			R28		DIGITAL VIDEO, AND DATA
89)	14000.0000-14500.0000	H, V	156KG7W	Tx	62.00	46.10	YAC- HUB2		DIGITAL VIDEO, AND DATA
90)	14000.0000-14500.0000	H, V	36M0G7W	Tx	85.60	46.10	YAC- HUB2		DIGITAL VIDEO, AND DATA
91)	11700.0000-12200.0000	H, V	156KG7W	Rx			YAC- HUB2		DIGITAL VIDEO, AND DATA
92)	11700.0000-12200.0000	H, V	36M0G7W	Rx			YAC- HUB2		DIGITAL VIDEO, AND DATA
93)	14000.0000-14500.0000	H, V	156KG7W	Tx	60.90	45.00	YAC-HUB1		DIGITAL VIDEO, AND DATA
94)	14000.0000-14500.0000	H, V	36M0G7W	Tx	82.00	42.50	YAC-HUB1		DIGITAL VIDEO, AND DATA
95)	11700.0000-12200.0000	H, V	156KG7W	Rx			YAC-HUB1		DIGITAL VIDEO, AND DATA
96)	11700.0000-12200.0000	H, V	36M0G7W	Rx			YAC-HUB1		DIGITAL VIDEO, AND DATA
97)	14000.0000-14500.0000	H, V	156KG7W	Tx	62.00	46.10	YAC-HUB2		DIGITAL VIDEO, AND DATA
98)	14000.0000-14500.0000	H, V	36M0G7W	Tx	85.60	46.10	YAC-HUB2		DIGITAL VIDEO, AND DATA
99)	11700.0000-12200.0000	H, V	156KG7W	Rx			YAC-HUB2		DIGITAL VIDEO, AND DATA
100)	11700.0000-12200.0000	H, V	36M0G7W	Rx			YAC-HUB2		DIGITAL VIDEO, AND DATA



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**RADIO STATION AUTHORIZATION**

**Name:** MCI Communications Services, Inc.  
**Authorization Type:** Modification of License  
 Non Common Carrier

**Call Sign:** E070068  
**File Number:** SES-MOD-20150917-00624  
**Grant date:** 02/17/2016    **Expiration Date:** 06/12/2022

**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
101)	14000.0000-14500.0000	H, V	156KG7W	Tx	43.11	27.20	YAC-R 11		DIGITAL VIDEO, AND DATA
102)	14000.0000-14500.0000	H, V	2M50G7W	Tx	52.34	24.38	YAC-R 11		DIGITAL VIDEO, AND DATA
103)	11700.0000-12200.0000	H, V	156KG7W	Rx			YAC-R 11		DIGITAL VIDEO, AND DATA
104)	11700.0000-12200.0000	H, V	2M50G7W	Rx			YAC-R 11		DIGITAL VIDEO, AND DATA
105)	14000.0000-14500.0000	H, V	156KG7W	Tx	43.21	27.30	YAC-R 12		DIGITAL VIDEO, AND DATA
106)	14000.0000-14500.0000	H, V	2M50G7W	Tx	52.76	24.80	YAC-R 12		DIGITAL VIDEO, AND DATA
107)	11700.0000-12200.0000	H, V	156KG7W	Rx			YAC-R 12		DIGITAL VIDEO, AND DATA
108)	11700.0000-12200.0000	H, V	2M50G7W	Rx			YAC-R 12		DIGITAL VIDEO, AND DATA
109)	14000.0000-14500.0000	H, V	156KG7W	Tx	43.11	27.20	YAC-R 17		DIGITAL VIDEO, AND DATA
110)	14000.0000-14500.0000	H, V	2M50G7W	Tx	52.66	24.70	YAC-R 17		DIGITAL VIDEO, AND DATA
111)	11700.0000-12200.0000	H, V	156KG7W	Rx			YAC-R 17		DIGITAL VIDEO, AND DATA
112)	11700.0000-12200.0000	H, V	2M50G7W	Rx			YAC-R 17		DIGITAL VIDEO, AND DATA
113)	14000.0000-14500.0000	H, V	156KG7W	Tx	43.81	27.90	YAC-R 18		DIGITAL VIDEO, AND DATA
114)	14000.0000-14500.0000	H, V	2M50G7W	Tx	53.36	25.40	YAC-R 18		DIGITAL VIDEO, AND DATA
115)	11700.0000-12200.0000	H, V	156KG7W	Rx			YAC-R 18		DIGITAL VIDEO, AND DATA
116)	11700.0000-12200.0000	H, V	2M50G7W	Rx			YAC-R 18		DIGITAL VIDEO, AND DATA
117)	14000.0000-14500.0000	H, V	156KG7W	Tx	43.21	27.30	YAC-R 21		DIGITAL VIDEO, AND DATA
118)	14000.0000-14500.0000	H, V	2M50G7W	Tx	52.76	24.80	YAC-R 21		DIGITAL VIDEO, AND DATA
119)	11700.0000-12200.0000	H, V	156KG7W	Rx			YAC-R 21		DIGITAL VIDEO, AND DATA
120)	11700.0000-12200.0000	H, V	2M50G7W	Rx			YAC-R 21		DIGITAL VIDEO, AND DATA



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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		
1)	11700.0000-12200.0000	60.0W	143.0W	10.3	33.4	110.6	207.6		YAC-HUB1
2)	14000.0000-14500.0000	60.0W	143.0W	10.3	33.4	110.6	207.6		YAC-HUB1
3)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R1
4)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R1
5)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 5
6)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 5
7)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 6
8)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 6
9)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 7
10)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 7
11)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 8
12)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 8
13)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R2
14)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R2
15)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 3
16)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 3
17)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 10
18)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 10
19)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 4
20)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 4
21)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 15
22)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 15
23)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 16
24)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 16
25)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 19
26)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 19
27)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 20
28)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 20
29)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 13
30)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 13
31)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 14
32)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 14
33)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 22
34)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0	090.0	180.0		R 22



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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		
35)	11700.0000-12200.0000	60.0W	-143.0W	05.0	-05.0	090.0	-180.0		R 23
36)	14000.0000-14500.0000	60.0W	-143.0W	05.0	-05.0	090.0	-180.0		R 23
37)	14000.0000-14500.0000	60.0W	-143.0W	10.3	-33.4	110.6	-207.6		YAC-HUB2
38)	11700.0000-12200.0000	60.0W	-143.0W	10.3	-33.4	110.6	-207.6		YAC-HUB2
39)	14000.0000-14500.0000	60.0W	-143.0W	05.0	-05.0	090.0	-180.0		YAC-R 11
40)	11700.0000-12200.0000	60.0W	-143.0W	05.0	-05.0	090.0	-180.0		YAC-R 11
41)	14000.0000-14500.0000	60.0W	-143.0W	05.0	-05.0	090.0	-180.0		YAC-R 12
42)	11700.0000-12200.0000	60.0W	-143.0W	05.0	-05.0	090.0	-180.0		YAC-R 12
43)	14000.0000-14500.0000	60.0W	-143.0W	05.0	-05.0	090.0	-180.0		YAC-R 17
44)	11700.0000-12200.0000	60.0W	-143.0W	05.0	-05.0	090.0	-180.0		YAC-R 17
45)	14000.0000-14500.0000	60.0W	-143.0W	05.0	-05.0	090.0	-180.0		YAC-R 18
46)	11700.0000-12200.0000	60.0W	-143.0W	05.0	-05.0	090.0	-180.0		YAC-R 18
47)	14000.0000-14500.0000	60.0W	-143.0W	05.0	-05.0	090.0	-180.0		YAC-R 21
48)	11700.0000-12200.0000	60.0W	-143.0W	05.0	-05.0	090.0	-180.0		YAC-R 21
49)	14000.0000-14500.0000	60.0W	-143.0W	05.0	-05.0	090.0	-270.0		R24
50)	11700.0000-12200.0000	60.0W	-143.0W	05.0	-05.0	090.0	-270.0		R24
51)	14000.0000-14500.0000	60.0W	-143.0W	05.0	-05.0	090.0	-270.0		R25
52)	11700.0000-12200.0000	60.0W	-143.0W	05.0	-05.0	090.0	-270.0		R25
53)	14000.0000-14500.0000	60.0W	-143.0W	05.0	-05.0	090.0	-270.0		R26
54)	11700.0000-12200.0000	60.0W	-143.0W	05.0	-05.0	090.0	-270.0		R26
55)	14000.0000-14500.0000	60.0W	-143.0W	05.0	-05.0	090.0	-270.0		R27
56)	11700.0000-12200.0000	60.0W	-143.0W	05.0	-05.0	090.0	-270.0		R27
57)	14000.0000-14500.0000	60.0W	-143.0W	05.0	-05.0	090.0	-270.0		R28
58)	11700.0000-12200.0000	60.0W	-143.0W	05.0	-05.0	090.0	-270.0		R28
59)	14000.0000-14500.0000	60.0W	-143.0W	10.3	-33.4	110.6	-207.6		YAC- HUB2
60)	11700.0000-12200.0000	60.0W	-143.0W	10.3	-33.4	110.6	-207.6		YAC- HUB2

**D) Points of Communications**

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

- 1) YAC/HUB to Permitted Space Station List
- 2) Remote1 to Permitted Space Station List
- 3) Remote5 to Permitted Space Station List
- 4) Remote6 to Permitted Space Station List



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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:

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- 5) Remote7 to Permitted Space Station List
- 6) Remote8 to Permitted Space Station List
- 7) Remote2 to Permitted Space Station List
- 8) Remote3 to Permitted Space Station List
- 9) Remote10 to Permitted Space Station List
- 10) Remote4 to Permitted Space Station List
- 11) Remote15 to Permitted Space Station List
- 12) Remote16 to Permitted Space Station List
- 13) Remote19 to Permitted Space Station List
- 14) Remote20 to Permitted Space Station List
- 15) Remote13 to Permitted Space Station List
- 16) Remote14 to Permitted Space Station List
- 17) Remote22 to Permitted Space Station List
- 18) Remote23 to Permitted Space Station List
- 19) BACKUP HUB2 to Permitted Space Station List
- 20) YAC REMOTE 11 to GALAXY 28 @ 89 W.L. (U.S.-licensed satellite)
- 21) YAC REMOTE 12 to GALAXY 28 @ 89 W.L. (U.S.-licensed satellite)
- 22) YAC REMOTE 17 to GALAXY 28 @ 89 W.L. (U.S.-licensed satellite)
- 23) YAC REMOTE 18 to GALAXY 28 @ 89 W.L. (U.S.-licensed satellite)
- 24) YAC REMOTE 21 to GALAXY 28 @ 89 W.L. (U.S.-licensed satellite)
- 25) REMOTE 24 to Permitted Space Station List
- 26) REMOTE 25 to Permitted Space Station List
- 27) REMOTE 26 to Permitted Space Station List
- 28) REMOTE 27 to Permitted Space Station List
- 29) REMOTE 28 to Permitted Space Station List
- 30) YAC- HUB2 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)
Remote10	R 10	1000	2.4	CHANNEL MASTER	TYPE 243		3 AGL	
Max Gains(s):		49.3 dBi @	14.2500 GHz	47.6 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =					14.00			
Maximum aggregate output EIRP for all carriers (dBW) =					60.80			
Remote13	R 13	6000	1.2	PRODELIN	1134		2 AGL	
Max Gains(s):		43.0 dBi @	14.2500 GHz	41.5 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =					14.00			
Maximum aggregate output EIRP for all carriers (dBW) =					54.46			
Remote14	R 14	6000	1.2	PRODELIN	1138		2 AGL	
Max Gains(s):		43.2 dBi @	14.2500 GHz	41.6 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =					14.00			
Maximum aggregate output EIRP for all carriers (dBW) =					54.66			
Remote15	R 15	3000	1.8	PRODELIN	1189		2.5 AGL	
Max Gains(s):		45.3 dBi @	14.2500 GHz	44.0 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =					14.00			
Maximum aggregate output EIRP for all carriers (dBW) =					56.76			
Remote16	R 16	1000	2.4	PRODELIN	1259		3 AGL	
Max Gains(s):		49.2 dBi @	14.2500 GHz	47.6 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =					14.00			
Maximum aggregate output EIRP for all carriers (dBW) =					60.66			
Remote19	R 19	6000	1.2	PATRIOT	TXFLY-120KU		2 AGL	
Max Gains(s):		43.5 dBi @	14.2500 GHz	41.8 dBi @	11.7250 GHz			
Maximum total input power at antenna flange (Watts) =					14.00			
Maximum aggregate output EIRP for all carriers (dBW) =					54.96			



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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)
Remote20	R 20	3000	1.8	PATRIOT	TXFLY-180KU		2.5 AGL	
Max Gains(s):		39.5 dBi @	14.2500 GHz	35.6 dBi @	11.7250 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						50.96		
Remote22	R 22	1000	1.8	PRODELIN	2194		2.5 AGL	
Max Gains(s):		46.7 dBi @	14.2500 GHz	45.2 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						58.16		
Remote23	R 23	1000	2.4	PRODELIN	2244		3 AGL	
Max Gains(s):		47.6 dBi @	14.2500 GHz	49.2 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						59.06		
Remote3	R 3	1000	2.4	PRODELIN	1251		3 AGL	
Max Gains(s):		47.6 dBi @	11.9500 GHz	49.2 dBi @	14.2500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						60.70		
Remote4	R 4	6000	1.2	PATRIOT	TX-INT120KU		2 AGL	
Max Gains(s):		43.4 dBi @	14.2500 GHz	41.8 dBi @	11.7250 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						54.90		
Remote5	R 5	3000	1.8	PATRIOT	TX-INT180KU		2.5 AGL	
Max Gains(s):		47.0 dBi @	14.2500 GHz	45.3 dBi @	11.7250 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						58.50		



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**E) Antenna Facilities**

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
Remote6	R 6	1000	2.4	PATRIOT	TXFCC-240KUS		3 AGL	
Max Gains(s):		49.6 dBi @	14.2500 GHz	48.0 dBi @	11.7250 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						61.10		
Remote7	R 7	6000	1.2	CHANNEL MASTER	TYPE 123		2 AGL	
Max Gains(s):		43.3 dBi @	14.2500 GHz	41.8 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						54.80		
Remote8	R 8	3000	1.8	CHANNEL MASTER	TYPE 180		2.5 AGL	
Max Gains(s):		46.8 dBi @	14.2500 GHz	45.3 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						58.30		
Remote1	R1	6000	1.2	PRODELIN	1123		2 AGL	
Max Gains(s):		43.2 dBi @	14.2500 GHz	41.7 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						54.70		
Remote2	R2	3000	1.8	PRODELIN	1183		2.5 AGL	
Max Gains(s):		46.5 dBi @	14.2500 GHz	45.0 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						58.00		
REMOTE 24	R24	1000	1.2	TRACSTAR	1200		3 AGL	
Max Gains(s):		43.2 dBi @	14.1250 GHz	42.0 dBi @	11.8500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						54.66		





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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)
REMOTE 25	R25	1000	1.8	TRACSTAR	1800		3 AGL	
Max Gains(s):		46.7 dBi @	14.1250 GHz	45.1 dBi @	11.8500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						58.16		
REMOTE 26	R26	1000	1.2	COBHAM	5120		3 AGL	
Max Gains(s):		42.9 dBi @	14.1250 GHz	41.4 dBi @	11.8500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						54.36		
REMOTE 27	R27	1000	1.2	COBHAM	7120		3 AGL	
Max Gains(s):		43.0 dBi @	14.1250 GHz	42.0 dBi @	11.8500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						54.46		
REMOTE 28	R28	5000	0.75	SKYWARE GLOBAL	756		3 AGL	
Max Gains(s):		39.1 dBi @	14.3000 GHz	37.6 dBi @	12.0000 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						50.56		
YAC- HUB2	YAC- HUB2	2	9	VERTEX/RSI	9.0M.	213	10 AGL/ 224 AMSL	
Max Gains(s):		60.1 dBi @	14.1250 GHz	58.5 dBi @	11.7250 GHz			
Maximum total input power at antenna flange (Watts) =						400.00		
Maximum aggregate output EIRP for all carriers (dBW) =						86.10		
YAC/HUB	YAC-HUB1	1	7.6	ANDREW	ES76K-1	216	8 AGL/ 224 AMSL	
Max Gains(s):		59.0 dBi @	14.2500 GHz	57.4 dBi @	11.7000 GHz			
Maximum total input power at antenna flange (Watts) =						199.00		
Maximum aggregate output EIRP for all carriers (dBW) =						82.00		



**UNITED STATES OF AMERICA**  
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**RADIO STATION AUTHORIZATION**

Name: MCI Communications Services, Inc.

Call Sign: E070068

Authorization Type: Modification of License

File Number: SES-MOD-20150917-00624

Non Common Carrier

Grant date: 02/17/2016

Expiration Date: 06/12/2022

**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)
BACKUP HUB2	YAC-HUB2	1	9	VERTEX/RSI	9.0M	216	10 AGL/ 224 AMSL	
Max Gains(s):		60.1 dBi @	14.2000 GHz	58.5 dBi @	11.7000 GHz			
Maximum total input power at antenna flange (Watts) =						400.00		
Maximum aggregate output EIRP for all carriers (dBW) =						86.10		
YAC REMOTE 1	YAC-R 11	3000	0.95	PRODELIN	1951		1.5 AGL	
Max Gains(s):		41.2 dBi @	14.2500 GHz	39.7 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =						13.00		
Maximum aggregate output EIRP for all carriers (dBW) =						52.34		
YAC REMOTE 1	YAC-R 12	3000	0.98	PRODELIN	1981		1.5 AGL	
Max Gains(s):		41.3 dBi @	14.2500 GHz	39.8 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						52.76		
YAC REMOTE 1	YAC-R 17	3000	0.96	CHANNEL MASTER	TYPE 960		1.5 AGL	
Max Gains(s):		41.2 dBi @	14.2500 GHz	39.7 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						52.66		
YAC REMOTE 1	YAC-R 18	3000	1	PATRIOT	TX-INT100KUG		2 AGL	
Max Gains(s):		41.9 dBi @	14.2500 GHz	40.2 dBi @	11.7250 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						53.36		
YAC REMOTE 2	YAC-R 21	3000	0.98	PRODELIN	1984		2 AGL	
Max Gains(s):		41.3 dBi @	14.2500 GHz	39.8 dBi @	11.9500 GHz			
Maximum total input power at antenna flange (Watts) =						14.00		
Maximum aggregate output EIRP for all carriers (dBW) =						52.76		



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**F) Remote Control Point:**

BACKUP 604 EAST HOAG ST., (9.0M. HUB2)  
HUB2

Call Sign: E070068

YACOLT, CLARK, WA 98675  
360-686-3065

YAC/HUB 604 EAST HOAG ST., (7.6M. HUB)

Call Sign: E070068

YACOLT, CLARK, WA 98675  
360-686-3065

**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:

- 167 --- This authorization is limited to the total number of terminals listed in Section A of this license for this Site ID.
- 233 --- If a good faith agreement cannot be reached between the satellite operator and the operator of a future 2° compliant satellite, the earth station operator shall reduce its power to those levels that would accommodate the 2° compliant satellite.
- 234 --- If a good faith agreement cannot be reached between the satellite operator and the operator of a future 2° compliant satellite, the earth station operator shall accept the power density levels that would accommodate the 2° compliant satellite.
- 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.



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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:

- 2300 --- Authority is granted to operate this station by remote control provided that: (1) the parameters of the transmissions of this station monitored at the remote control point, and the operational functions sufficient to ensure that the operations of this station are in full compliance with the station authorization at all times; (2) upon detection by the grantee, or upon notification from the Commission, of a deviation of the operation of this station, transmissions shall be immediately suspended until the deviation is corrected, except that transmissions concerning the immediate safety of life or property may be conducted for the duration of such emergency; and (3) the grantee shall have available, at all times, the technical personnel necessary to perform the technical servicing and maintenance of this station expeditiously. See also Public Notice "The International Bureau Provides Guidance Concerning the Relocation of Earth Station Remote Control Points", DA 06-978 (rel. May 4, 2006).
- 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.
- 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).
- 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.



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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.

