



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Altice USA, Inc.

Call Sign: E182049

Authorization Type: Modification of License

File Number: SES-MOD-20211007-01693

Non Common Carrier

Grant date: 10/08/2021

Expiration Date: 07/12/2033

Nature of Service: Fixed Satellite Service

Class of Station: Fixed Earth Stations

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	BECKLEY	329 Harper Heights Rd Beckley, Raleigh, WV 25801	37°48'14.5"N	81°14'3.6"W	762.99	83
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.						
2)	BIG LAKE	100 Osterich Road Big Lake, Reagan, TX 76932	31°12'33.7"N	101°26'30.3"W	830.41	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
3)	BOONEVILLE	6000 N State Hwy 23 Booneville, Logan, AR 72927	35°9'59.4"N	93°55'27.7"W	159.1	83
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.						
4)	BRADY	507 1/2 W China Street Brady, McCulloch, TX 76825	31°8'5.4"N	99°20'18.2"W	511.79	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
5)	BRANSON	310 Walnut Ext Branson, Taney, MO 65615	36°38'49.1"N	93°13'2.9"W	222.92	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
6)	BROOKFIELD	222 Pershing Street Brookfield, Linn, MO 64628	39°47'12.5"N	93°5'54.7"W	251.81	83
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)
7)	BRYAN	4114 East 29th street Bryan, Brazos, TX 77802	30°38'33.8"N	96°19'58.3"W	85.54	83	
		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.					
8)	CALDWELL	3394 State Hwy 21 W Caldwell, BURLESON, TX 77836	30°30'42.2"N	96°44'19.0"W	104.16	83	
		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.					
9)	CHARLESTON	3 Eagle Dr Charleston, Kanawha, WV 25303	38°17'43.5"N	81°44'47.2"W	338.85	83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
10)	CHARLESTON	S School Street Charleston, Franklin, AR 72933	35°17'30.3"N	94°2'38.1"W	150	83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
11)	DEWITT	B & K Lane DeWitt, Arkansas, AR 72042	34°18'11.5"N	91°19'52.9"W	51.66	83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
12)	FAIRVIEW	1700 Sand Creek Fairview, Major, OK 73737	36°15'38.7"N	98°28'15.5"W	393.36	83	
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A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
13)	FORESTHILL	5180 Henry Way Foresthill, Placer, CA 95631	39°0'12.6"N	120°51'18.4"W	879.11	83
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.						
14)	GATESVILLE	2536 E Main St Gatesville, Coryell, TX 76528	31°26'4.0"N	97°43'26.7"W	254.26	83
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.						
15)	GEORGETOWN	111 N College Georgetown, Williamson, TX 78626	30°38'35.8"N	97°40'17.7"W	210.41	83
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.						
16)	GRAPELAND	112 1/2 Raines Road Grapeland, Houston, TX 75844	31°30'5.6"N	95°29'17.1"W	151.37	83
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.						
17)	HAMLIN	50 SW 6th St Hamlin, Jones, TX 79520	32°52'43.7"N	100°7'31.5"W	524.38	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
18)	HENRYETTA	911 N 14th Street Henryetta, Okmulgee, OK 74437	35°26'53.1"N	95°59'58.6"W	245.02	83
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#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
19)	HUGHES	100 Nickel St Hughes, St Francis, AR 72348	34°56'58.5"N	90°28'15.4"W	63.19	83
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.						
20)	INGRAM	117 Hwy 39 Ingram, Kerr, TX 78025	30°5'21.0"N	99°14'11.5"W	519.35	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
21)	JACKSONVILLE	415 Jowell St Jacksonville, Cherokee, TX 75766	32°0'18.2"N	95°16'24.1"W	215.75	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
22)	JEFFERSON CITY	3515 Zion Road Jefferson City, Cole, MO 65109	38°31'31.2"N	92°16'8.9"W	184.5	83
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.						
23)	JUNCTION	2519 College Street Junction, Kimble, TX 76849	30°29'27.1"N	99°47'24.2"W	58.207	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
24)	KINGMAN	3900 Airway Ave Kingman, Mohave, AZ 86409	35°13'27.9"N	114°0'48.3"W	1043.84	83
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#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
25)	MALVERN	1131 W Moline Street Malvern, Hot Spring, AR 72104	34°22'34.6"N	92°49'29.1"W	90.2	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
26)	OZARK	1201 King Mt Road Ozark, Franklin, AR 71901	35°30'1.2"N	93°48'44.2"W	349.33	83
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.						
27)	PADUCAH	1516 Goodwin St Paducah, Cottle, TX 79248	34°0'26.2"N	100°18'41.7"W	572.89	83
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.						
28)	POTEAU	300 N Webb Lane Poteau, LeFlore, OK 74953	35°3'17.4"N	94°38'47.9"W	188.45	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
29)	PRAIRIE VIEW	300 Hwy 290 East Prairie View, Waller, TX 77446	30°4'21.4"N	95°59'16.1"W	84.77	83
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.						
30)	ROTAN	102 N Florence Ave Rotan, Fisher, TX 79546	32°51'9.9"N	100°27'44.4"W	604.49	83
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31)	RUSSELLVILLE	175 Cablevision Rd Russellville, Logan, KY 42276	36°51'50.3"N	86°54'8.8"W	180.44	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
32)	SAN SABA	908 Chapel Hill Road San Saba, San Saba, TX 76877	31°11'1.9"N	98°42'52.9"W	395.48	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
33)	ST JOSEPH	102 North Woodbine Road St Joseph, Buchanan, MO 64505	39°46'1.7"N	94°47'50.1"W	300.91	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
34)	TERRELL	6094 Hwy 80 West Terrell, Kaufman, TX 75160	32°44'29.3"N	96°21'39.2"W	149.88	83
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.						
35)	WALDRON	1643 Washington St Waldron, Scott, AR 72958	34°53'11.4"N	94°5'31.2"W	243	83
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.						
36)	WHITE HALL	201 Anderson Street White Hall, Jefferson, AR 71602	34°16'35.6"N	92°5'35.7"W	93.23	83
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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 July 12, 2018 (3 AM Eastern Standard Time) and ending July 12, 2033 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is October 8, 2022 (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)	3700.0000-4200.0000	H, V	36M0G7W	Rx			1		Digital Video Carrier
2)	3700.0000-4200.0000	H, V	36M0G7W	Rx			10		DIGITAL VIDEO CARRIER
3)	3700.0000-4200.0000	H, V	36M0G7W	Rx			11		DIGITAL VIDEO CARRIER
4)	3700.0000-4200.0000	H, V	36M0G7W	Rx			12		DIGITAL VIDEO CARRIER
5)	3700.0000-4200.0000	H, V	36M0G7W	Rx			13		DIGITAL VIDEO CARRIER
6)	3700.0000-4200.0000	H, V	36M0G7W	Rx			14		Digital Video Carrier
7)	3700.0000-4200.0000	H, V	36M0G7W	Rx			15		DIGITAL VIDEO CARRIER
8)	3700.0000-4200.0000	H, V	36M0G7W	Rx			16		DIGITAL VIDEO CARRIER
9)	3700.0000-4200.0000	H, V	36M0G7W	Rx			17		DIGITAL VIDEO CARRIER
10)	3700.0000-4200.0000	H, V	36M0G7W	Rx			18		DIGITAL VIDEO CARRIER
11)	3700.0000-4200.0000	H, V	36M0G7W	Rx			19		DIGITAL VIDEO CARRIER
12)	3700.0000-4200.0000	H, V	36M0G7W	Rx			2		Digital Video Carrier
13)	3700.0000-4200.0000	H, V	36M0G7W	Rx			20		DIGITAL VIDEO CARRIER
14)	3700.0000-4200.0000	H, V	36M0G7W	Rx			21		DIGITAL VIDEO CARRIER
15)	3700.0000-4200.0000	H, V	36M0G7W	Rx			22		DIGITAL VIDEO CARRIER
16)	3700.0000-4200.0000	H, V	36M0G7W	Rx			23		DIGITAL VIDEO CARRIER
17)	3700.0000-4200.0000	H, V	36M0G7W	Rx			24		DIGITAL VIDEO CARRIER
18)	3700.0000-4200.0000	H, V	36M0G7W	Rx			25		DIGITAL VIDEO CARRIER
19)	3700.0000-4200.0000	H, V	36M0G7W	Rx			26		DIGITAL VIDEO CARRIER



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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

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

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
20)	3700.0000-4200.0000	H, V	36M0G7W	Rx			27		DIGITAL VIDEO CARRIER
21)	3700.0000-4200.0000	H, V	36M0G7W	Rx			28		DIGITAL VIDEO CARRIER
22)	3700.0000-4200.0000	H, V	36M0G7W	Rx			29		DIGITAL VIDEO CARRIER
23)	3700.0000-4200.0000	H, V	36M0G7W	Rx			3		DIGITAL VIDEO CARRIER
24)	3700.0000-4200.0000	H, V	36M0G7W	Rx			30		DIGITAL VIDEO CARRIER
25)	3700.0000-4200.0000	H, V	36M0G7W	Rx			31		DIGITAL VIDEO CARRIER
26)	3700.0000-4200.0000	H, V	36M0G7W	Rx			32		DIGITAL VIDEO CARRIER
27)	3700.0000-4200.0000	H, V	36M0G7W	Rx			33		DIGITAL VIDEO CARRIER
28)	3700.0000-4200.0000	H, V	36M0G7W	Rx			34		DIGITAL VIDEO CARRIER
29)	3700.0000-4200.0000	H, V	36M0G7W	Rx			35		DIGITAL VIDEO CARRIER
30)	3700.0000-4200.0000	H, V	36M0G7W	Rx			36		Digital Video Carrier
31)	3700.0000-4200.0000	H, V	36M0G7W	Rx			4		Digital Video Carrier
32)	3700.0000-4200.0000	H, V	36M0G7W	Rx			5		DIGITAL VIDEO CARRIER
33)	3700.0000-4200.0000	H, V	36M0G7W	Rx			6		DIGITAL VIDEO CARRIER
34)	3700.0000-4200.0000	H, V	36M0G7W	Rx			7		DIGITAL VIDEO CARRIER
35)	3700.0000-4200.0000	H, V	36M0G7W	Rx			8		DIGITAL VIDEO CARRIER
36)	3700.0000-4200.0000	H, V	36M0G7W	Rx			9		DIGITAL VIDEO CARRIER

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	60.0W-143.0W		35.7-24.5		130.5-243.5		1	
2)	3700.0000-4200.0000	60.0W-143.0W		35.1-23.2		132.4-243.2		2	
3)	3700.0000-4200.0000	60.0W-143.0W		32.8-21.6		134.5-241.7		3	



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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		
4)	3700.0000-4200.0000	60.0W	143.0W	40.2	13.7	147.2	251.2	4	
5)	3700.0000-4200.0000	60.0W	143.0W	34.3	30.8	122.2	241.5	5	
6)	3700.0000-4200.0000	60.0W	143.0W	38.0	22.8	132.8	246.0	6	
7)	3700.0000-4200.0000	60.0W	143.0W	31.8	27.4	126.7	239.0	7	
8)	3700.0000-4200.0000	60.0W	143.0W	13.8	39.3	109.3	212.9	8	
9)	3700.0000-4200.0000	60.0W	143.0W	35.5	24.5	130.5	243.3	9	
10)	3700.0000-4200.0000	60.0W	143.0W	35.4	29.3	124.0	242.7	10	
11)	3700.0000-4200.0000	60.0W	143.0W	35.9	29.7	123.4	243.3	11	
12)	3700.0000-4200.0000	60.0W	143.0W	37.0	27.4	126.2	244.4	12	
13)	3700.0000-4200.0000	60.0W	143.0W	34.0	25.9	128.6	241.6	13	
14)	3700.0000-4200.0000	60.0W	143.0W	38.1	21.8	134.2	246.3	14	
15)	3700.0000-4200.0000	60.0W	143.0W	35.0	31.3	121.5	242.4	15	
16)	3700.0000-4200.0000	60.0W	143.0W	32.6	30.5	122.8	239.7	16	
17)	3700.0000-4200.0000	60.0W	143.0W	34.2	21.6	134.6	243.0	17	
18)	3700.0000-4200.0000	60.0W	143.0W	34.3	31.5	121.4	241.6	18	
19)	3700.0000-4200.0000	60.0W	143.0W	20.5	38.8	112.7	223.8	19	
20)	3700.0000-4200.0000	60.0W	143.0W	32.4	30.8	122.5	239.4	20	
21)	3700.0000-4200.0000	60.0W	143.0W	36.9	27.0	126.8	244.3	21	
22)	3700.0000-4200.0000	60.0W	143.0W	38.7	18.2	139.8	248.0	22	
23)	3700.0000-4200.0000	60.0W	143.0W	34.7	30.3	122.9	242.0	23	
24)	3700.0000-4200.0000	60.0W	143.0W	31.8	22.8	132.6	240.2	24	
25)	3700.0000-4200.0000	60.0W	143.0W	31.8	30.0	123.4	238.8	25	
26)	3700.0000-4200.0000	60.0W	143.0W	35.6	27.6	126.3	242.9	26	
27)	3700.0000-4200.0000	60.0W	143.0W	35.7	24.7	130.2	243.5	27	
28)	3700.0000-4200.0000	60.0W	143.0W	37.5	23.4	131.9	245.4	28	
29)	3700.0000-4200.0000	60.0W	143.0W	35.5	24.2	130.9	243.4	29	
30)	3700.0000-4200.0000	60.0W	143.0W	37.0	24.0	131.2	244.8	30	
31)	3700.0000-4200.0000	60.0W	143.0W	35.2	25.1	129.7	242.9	31	
32)	3700.0000-4200.0000	60.0W	143.0W	37.6	28.5	124.6	245.0	32	
33)	3700.0000-4200.0000	60.0W	143.0W	36.9	28.6	124.7	244.3	33	
34)	3700.0000-4200.0000	60.0W	143.0W	36.7	28.9	124.3	244.1	34	
35)	3700.0000-4200.0000	60.0W	143.0W	40.9	13.5	147.6	251.8	35	
36)	3700.0000-4200.0000	60.0W	143.0W	32.6	32.5	120.4	239.7	36	



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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) BOONEVILLE to Permitted Space Station List
- 2) BRANSON to Permitted Space Station List
- 3) BROOKFIELD to Permitted Space Station List
- 4) CHARLESTON to Permitted Space Station List
- 5) BRADY to Permitted Space Station List
- 6) DEWITT to Permitted Space Station List
- 7) FAIRVIEW to Permitted Space Station List
- 8) FORESTHILL to Permitted Space Station List
- 9) CHARLESTON to Permitted Space Station List
- 10) GATESVILLE to Permitted Space Station List
- 11) GEORGETOWN to Permitted Space Station List
- 12) GRAPELAND to Permitted Space Station List
- 13) HENRYETTA to Permitted Space Station List
- 14) HUGHES to Permitted Space Station List
- 15) INGRAM to Permitted Space Station List
- 16) HAMLIN to Permitted Space Station List
- 17) JEFFERSON CITY to Permitted Space Station List
- 18) JUNCTION to Permitted Space Station List
- 19) KINGMAN to Permitted Space Station List
- 20) ROTAN to Permitted Space Station List
- 21) JACKSONVILLE to Permitted Space Station List
- 22) RUSSELLVILLE to Permitted Space Station List
- 23) SAN SABA to Permitted Space Station List
- 24) ST JOSEPH to Permitted Space Station List
- 25) PADUCAH to Permitted Space Station List
- 26) TERRELL to Permitted Space Station List
- 27) WALDRON to Permitted Space Station List
- 28) WHITE HALL to Permitted Space Station List
- 29) OZARK to Permitted Space Station List
- 30) MALVERN to Permitted Space Station List
- 31) POTEAU to Permitted Space Station List
- 32) PRAIRIE VIEW to Permitted Space Station List
- 33) BRYAN to Permitted Space Station List
- 34) CALDWELL to Permitted Space Station List
- 35) BECKLEY to Permitted Space Station List
- 36) BIG LAKE to Permitted Space Station List



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Authorization Type: Modification of License

File Number: SES-MOD-20211007-01693

Non Common Carrier

Grant date: 10/08/2021

Expiration Date: 07/12/2033

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)
BOONEVILLE	1	5	3.8	Patriot	3.8 Meter	159.1	3.8 AGL/ 162.9 AMSL	
Max Gains(s): 42.1 dBi @ 3.9500 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
GATESVILLE	10	8	3.8	Challenger	3.8 meter	254.26	3.8 AGL/ 258.06 AMSL	
Max Gains(s): 42.9 dBi @ 3.9500 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
GEORGETOWN	11	8	3.8	Challenger	3.8 meter	210.41	3.8 AGL/ 214.21 AMSL	
Max Gains(s): 42.9 dBi @ 3.9500 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
GRAPELAND	12	5	3.9	Patriot	3.9 meter	151.37	3.9 AGL/ 155.27 AMSL	
Max Gains(s): 42.0 dBi @ 3.9500 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
HENRYETTA	13	10	5	Anixter-Mark	5 meter	245.02	5 AGL/ 250.02 AMSL	
Max Gains(s): 43.5 dBi @ 3.9500 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
HUGHES	14	6	4	SSE	4 Meter	63.19	4 AGL/ 67.19 AMSL	
Max Gains(s): 42.4 dBi @ 3.9500 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								



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INGRAM	15	9	7	SCIENTIFIC-ATLANTA, INC	7 Meter	519.35	7 AGL/ 526.35 AMSL	
Max Gains(s): 47.7 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
HAMLIN	16	8	4.5	Scientific-Atlantic	4.5 meter	524.38	4.5 AGL/ 528.88 AMSL	
Max Gains(s): 43.6 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
JEFFERSON CITY	17	9	3.8	Prodelin	3.8 Meter	184.5	3.8 AGL/ 188.3 AMSL	
Max Gains(s): 42.1 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
JUNCTION	18	7	5.5	SCIENTIFIC-ATLANTIC	5.5 Meter	58.207	5.5 AGL/ 587.57 AMSL	
Max Gains(s): 45.0 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
KINGMAN	19	5	5	Antenna Tech Corp	Simulsat 5m	1043.84	5 AGL/ 1048.84 AMSL	
Max Gains(s): 44.5 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
BRANSON	2	1	5	ANTENNA TECH	SIMULSAT 5M	222.92	5 AGL/ 227.92 AMSL	
Max Gains(s): 44.0 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								



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Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
ROTAN	20	9	4.5	SCIENTIFIC-ATLANTA, INC	4.5 meter	604.49	4.5 AGL/ 608.99 AMSL	
Max Gains(s): 43.6 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
JACKSONVILLE	21	7	7	Patriot	7 Meter	215.75	7 AGL/ 222.75 AMSL	
Max Gains(s): 47.7 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
RUSSELLVILLE	22	4	5	SCIENTIFIC-ATLANTIC	5 meter	180.44	5 AGL/ 185.44 AMSL	
Max Gains(s): 44.5 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
SAN SABA	23	7	4.5	SCIENTIFIC-ATLANTIC	4.5 Meter	395.48	4.5 AGL/ 399.98 AMSL	
Max Gains(s): 43.6 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
ST JOSEPH	24	7	4.6	SCIENTIFIC-ATLANTA, INC	4.6 meter	300.91	4.6 AGL/ 305.51 AMSL	
Max Gains(s): 43.5 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
PADUCAH	25	8	3.8	Comtech Antenna	3.8 meter	572.89	3.8 AGL/ 576.69 AMSL	
Max Gains(s): 42.9 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								



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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)
TERRELL	26	1	3.2	Prodelin	3.2 Meter	149.88	3.2 AGL/ 153.08 AMSL	
Max Gains(s): 39.4 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
WALDRON	27	7	3.4	Patriot	3.4 meter	243	3.4 AGL/ 246.4 AMSL	
Max Gains(s): 41.9 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
WHITE HALL	28	10	3.5	Patriot	3.5 Meter	93.23	3.5 AGL/ 96.73 AMSL	
Max Gains(s): 41.9 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
OZARK	29	7	3.8	Patriot	3.8 Meter	349.33	3.8 AGL/ 253.13 AMSL	
Max Gains(s): 42.1 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
BROOKFIELD	3	7	4.6	Scientific Atlanta	4.6 METER	251.81	4.6 AGL/ 256.41 AMSL	
Max Gains(s): 43.5 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
MALVERN	30	9	4.5	Patriot	4.5 Meter	90.2	4.5 AGL/ 94.7 AMSL	
Max Gains(s): 43.9 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								



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Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
POTEAU	31	9	7.4	Scientific-Atlantic	7.4 Model	188.45	7.4 AGL/ 195.85 AMSL	
Max Gains(s): 47.7 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
PRAIRIE VIEW	32	2	3.8	Patriot	3.8 meter	84.77	3.8 AGL/ 88.57 AMSL	
Max Gains(s): 42.9 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
BRYAN	33	7	3.8	Challenger	3.8 meter	85.54	3.8 AGL/ 89.34 AMSL	
Max Gains(s): 42.9 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
CALDWELL	34	7	5.5	Scientific Atlanta	5.5 meter	104.16	5.5 AGL/ 109.66 AMSL	
Max Gains(s): 42.0 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
BECKLEY	35	2	3.8	Patriot	3.8 Meter	762.99	3.8 AGL/ 766.79 AMSL	
Max Gains(s): 42.9 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								
BIG LAKE	36	7	4.5	SCIENTIFIC-ATLANTA	4.5 METER	830.41	4.5 AGL/ 834.91 AMSL	
Max Gains(s): 43.6 dBi @ 3.9500 GHz Maximum total input power at antenna flange (Watts) = Maximum aggregate output EIRP for all carriers (dBW) =								



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Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
CHARLESTON	4	13	5	ANTENNA TECH	SIMULSAT 5M	338.85	5 AGL/ 343.85 AMSL	
Max Gains(s): 44.0 dBi @ 3.9500 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
BRADY	5	9	4.5	SCIENTIFIC-ATLANTA, INC	4.5 Meter	511.79	4.5 AGL/ 516.29 AMSL	
Max Gains(s): 43.6 dBi @ 3.9500 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
DEWITT	6	4	5	AFC	5 Meter	51.66	5 AGL/ 56.66 AMSL	
Max Gains(s): 44.5 dBi @ 3.9500 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
FAIRVIEW	7	7	4.5	Prodelin	4.5 Meter	393.36	4.5 AGL/ 397.86 AMSL	
Max Gains(s): 43.6 dBi @ 3.9500 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
FORESTHILL	8	6	3.5	Patriot	3.5 Meter	879.11	3.5 AGL/ 882.61 AMSL	
Max Gains(s): 41.9 dBi @ 3.9500 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
CHARLESTON	9	7	5	Scientific-Atlantic	5.0 Meter	150	5 AGL/ 155 AMSL	
Max Gains(s): 44.5 dBi @ 3.9500 GHz								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								



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G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

H) Special and General Provisions

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

4 --- Licensee must ensure that a current listing of the name, title, mailing address, email address, and telephone number of the responsible point of contact are on file at the FCC. Any changes must be filed electronically in the International Bureau Filing System (MyIBFS) using the "Pleadings and Comments" link on the MyIBFS homepage within 10 days of the change.

6 --- Licensee must comply with the license modification and notification requirements of 47 CFR § 25.118 to change the coordinates of its authorized earth station.

8 --- Licensee must notify the Commission when all earth stations under this authorization are no longer operational or when they have not been used to provide service during any continuous six-month period.

90398 --- Changes to previously authorized transmitting facilities, operations and devices regulated by the Commission that may have significant environmental impact, and are not excluded by §1.1306, require the preparation of an Environmental Assessment (EA) by the licensee. (See 47 C.F.R. §§1.1307, 1.1308 and 1.1311)

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

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

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



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

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

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

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

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

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

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

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

This authorization shall be automatically forfeited if the station does not meet each required construction deadline by the required date of completion unless, before such date(s), a specific application is timely filed to request an extension of the construction deadline(s), supported with good cause why that failure to construct 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.