



**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-20210809-01347

Non Common Carrier

**Grant date:** 08/10/2021

**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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#	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)	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					
9)	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					
10)	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.					
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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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)	HAZEN	1600 Industrial Road Hazen, Prairie, AR 72064	34°47'32.7"N	91°33'53.5"W	69.45	83
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19)	HENRYETTA	911 N 14th Street Henryetta, Okmulgee, OK 74437	35°26'53.1"N	95°59'58.6"W	245.02	83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
20)	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.					
21)	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					
22)	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					
23)	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.					
24)	JUNCTION	2519 College Street Junction, Kimble, TX 76849	30°29'27.1"N	99°47'24.2"W	58.207	83	
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25)	KINGMAN	3900 Airway Ave Kingman, Mohave, AZ 86409	35°13'27.9"N	114°0'48.3"W	1043.84	83
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
26)	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				
27)	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.				
28)	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.				
29)	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				
30)	Prairie View	300 Hwy 290 East Prairie View, Waller, TX 77446	30°4'21.4"N	95°59'16.1"W	84.77	83
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31)	ROTAN	102 N Florence Ave Rotan, Fisher, TX 79546	32°51'9.9"N	100°27'44.4"W	604.49	83	Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209
32)	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
33)	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
34)	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
35)	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.
36)	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.



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37)	WHITE HALL	201 Anderson Street White Hall, Jefferson, AR 71602	34°16'35.6"N	92°5'35.7"W	93.23	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.

*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 August 10, 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



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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
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			37		Digital Video Carrier
32)	3700.0000-4200.0000	H, V	36M0G7W	Rx			4		Digital Video Carrier
33)	3700.0000-4200.0000	H, V	36M0G7W	Rx			5		DIGITAL VIDEO CARRIER
34)	3700.0000-4200.0000	H, V	36M0G7W	Rx			6		DIGITAL VIDEO CARRIER
35)	3700.0000-4200.0000	H, V	36M0G7W	Rx			7		DIGITAL VIDEO CARRIER





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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
36)	3700.0000-4200.0000	H, V	36M0G7W	Rx			8		DIGITAL VIDEO CARRIER
37)	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	
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	37.5	-22.8	132.9	-245.5	13	
14)	3700.0000-4200.0000	60.0W	-143.0W	34.0	-25.9	128.6	-241.6	14	
15)	3700.0000-4200.0000	60.0W	-143.0W	38.1	-21.8	134.2	-246.3	15	
16)	3700.0000-4200.0000	60.0W	-143.0W	35.0	-31.3	121.5	-242.4	16	
17)	3700.0000-4200.0000	60.0W	-143.0W	32.6	-30.5	122.8	-239.7	17	
18)	3700.0000-4200.0000	60.0W	-143.0W	34.2	-21.6	134.6	-243.0	18	
19)	3700.0000-4200.0000	60.0W	-143.0W	34.3	-31.5	121.4	-241.6	19	
20)	3700.0000-4200.0000	60.0W	-143.0W	20.5	-38.8	112.7	-223.8	20	
21)	3700.0000-4200.0000	60.0W	-143.0W	32.4	-30.8	122.5	-239.4	21	
22)	3700.0000-4200.0000	60.0W	-143.0W	36.9	-27.0	126.8	-244.3	22	
23)	3700.0000-4200.0000	60.0W	-143.0W	38.7	-18.2	139.8	-248.0	23	
24)	3700.0000-4200.0000	60.0W	-143.0W	34.7	-30.3	122.9	-242.0	24	



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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		
25)	3700.0000-4200.0000	60.0W	143.0W	31.8	22.8	132.6	240.2	25	
26)	3700.0000-4200.0000	60.0W	143.0W	31.8	30.0	123.4	238.8	26	
27)	3700.0000-4200.0000	60.0W	143.0W	35.6	27.6	126.3	242.9	27	
28)	3700.0000-4200.0000	60.0W	143.0W	35.7	24.7	130.2	243.5	28	
29)	3700.0000-4200.0000	60.0W	143.0W	37.5	23.4	131.9	245.4	29	
30)	3700.0000-4200.0000	60.0W	143.0W	35.5	24.2	130.9	243.4	30	
31)	3700.0000-4200.0000	60.0W	143.0W	37.0	24.0	131.2	244.8	31	
32)	3700.0000-4200.0000	60.0W	143.0W	35.2	25.1	129.7	242.9	32	
33)	3700.0000-4200.0000	60.0W	143.0W	37.6	28.5	124.6	245.0	33	
34)	3700.0000-4200.0000	60.0W	143.0W	36.9	28.6	124.7	244.3	34	
35)	3700.0000-4200.0000	60.0W	143.0W	36.7	28.9	124.3	244.1	35	
36)	3700.0000-4200.0000	60.0W	143.0W	40.9	13.5	147.6	251.8	36	
37)	3700.0000-4200.0000	60.0W	143.0W	32.6	32.5	120.4	239.7	37	

**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) HAZEN to Permitted Space Station List
- 14) HENRYETTA to Permitted Space Station List
- 15) HUGHES to Permitted Space Station List
- 16) INGRAM to Permitted Space Station List
- 17) HAMLIN to Permitted Space Station List



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**RADIO STATION AUTHORIZATION**

Altice USA, Inc.

Call Sign: E182049

**Authorization Type:** Modification of License

**File Number:** SES-MOD-20210809-01347

Non Common Carrier

**Grant date:** 08/10/2021

**Expiration Date:** 07/12/2033

**D) Points of Communications**

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

- 18) JEFFERSON CITY to Permitted Space Station List
- 19) JUNCTION to Permitted Space Station List
- 20) KINGMAN to Permitted Space Station List
- 21) ROTAN to Permitted Space Station List
- 22) JACKSONVILLE to Permitted Space Station List
- 23) RUSSELLVILLE to Permitted Space Station List
- 24) SAN SABA to Permitted Space Station List
- 25) ST JOSEPH to Permitted Space Station List
- 26) PADUCAH to Permitted Space Station List
- 27) TERRELL to Permitted Space Station List
- 28) WALDRON to Permitted Space Station List
- 29) WHITE HALL to Permitted Space Station List
- 30) OZARK to Permitted Space Station List
- 31) MALVERN to Permitted Space Station List
- 32) POTEAU to Permitted Space Station List
- 33) Prairie View to Permitted Space Station List
- 34) Bryan to Permitted Space Station List
- 35) Caldwell to Permitted Space Station List
- 36) BECKLEY to Permitted Space Station List
- 37) BIG LAKE 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)
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) =		



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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)
GEORGETOWN	11	12	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) =								
HAZEN	13	7	4	SSE	4 Meter	69.45	4 AGL/ 73.45 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) =								
HENRYETTA	14	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	15	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) =								
INGRAM	16	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) =								



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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)
HAMLIN	17	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	18	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	19	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) =								
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) =								
KINGMAN	20	6	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) =								
ROTAN	21	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) =								



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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)
JACKSONVILLE	22	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	23	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	24	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	25	11	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	26	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) =						
TERRELL	27	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) =						



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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)
WALDRON	28	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	29	11	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) =		
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) =		
OZARK	30	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) =		
MALVERN	31	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) =		
POTEAU	32	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) =		



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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)
Prairie View	33	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	34	11	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	35	8	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	36	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	37	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) =		
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) =		





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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)
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	5	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) =								

**G) Antenna Structure marking and lighting requirements:**

None unless otherwise specified under Special and General Provisions



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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:

- 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 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.**