



**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-20210611-00927

Non Common Carrier

Grant date: 06/25/2021

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 |
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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) | 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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| # | 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) | 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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A) Site Location(s)

| # | Site ID | Address | Latitude | Longitude | Elevation (Meters) | Special Provisions NAD (Refer to Section H) |
|-----|-------------------|--|--------------|--------------|-----------------------|--|
| 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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| # | Site ID | Address | Latitude | Longitude | Elevation (Meters) | Special Provisions NAD (Refer to Section H) |
|-----|--------------|--|--------------|---------------|--------------------|---|
| 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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| # | Site ID | Address | Latitude | Longitude | Elevation (Meters) | NAD | Special Provisions (Refer to Section H) |
|-----|--------------|--|--------------|---------------|--------------------|-----|--|
| 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) | STUTTIGART | 1466 E 10th Street Stuttgart, Arkansas, AR 72160 | 34°29'37.3"N | 91°32'25.7"W | 64.97 | 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) | 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. |



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|-----|---------|--|--------------|-------------|--------------------|---|
| 37) | WALDRON | 1643 Washington St Waldron, Scott, AR 72958 | 34°53'11.4"N | 94°5'31.2"W | 243 | 83 |

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| | | | | | | |
|-----|------------|--|--------------|-------------|-------|----|
| 38) | 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 June 25, 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 |



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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 |
|-----|---------------------|-------------------|----------|------------|-------------------------|--------------------------------------|--------------------|---|-----------------------|
| 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 |
| 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 |



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The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

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

| # | Frequency (MHz) | Polarization Code | Emission | Tx/Rx Mode | Max EIRP /Carrier (dBW) | Max EIRP Density /Carrier (dBW/4kHz) | Associated Antenna | Special Provisions (Refer to Section H) | Modulation/ Services |
|-----|---------------------|-------------------|----------|------------|-------------------------|--------------------------------------|--------------------|---|-----------------------|
| 32) | 3700.0000-4200.0000 | H, V | 36M0G7W | Rx | | | 38 | | Digital Video Carrier |
| 33) | 3700.0000-4200.0000 | H, V | 36M0G7W | Rx | | | 4 | | Digital Video Carrier |
| 34) | 3700.0000-4200.0000 | H, V | 36M0G7W | Rx | | | 5 | | DIGITAL VIDEO CARRIER |
| 35) | 3700.0000-4200.0000 | H, V | 36M0G7W | Rx | | | 6 | | DIGITAL VIDEO CARRIER |
| 36) | 3700.0000-4200.0000 | H, V | 36M0G7W | Rx | | | 7 | | DIGITAL VIDEO CARRIER |
| 37) | 3700.0000-4200.0000 | H, V | 36M0G7W | Rx | | | 8 | | DIGITAL VIDEO CARRIER |
| 38) | 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 | |



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C) Frequency Coordination Limits

| # | Frequency Limits (MHz) | Satellite Arc (Deg. Long.) | | Elevation (Degrees) | | Azimuth (Degrees) | | Max EIRP Density toward Horizon (dBW/4kHz) | Associated Antenna(s) |
|-----|---------------------------|-------------------------------|---------------|------------------------|---------------|----------------------|---------------|---|--------------------------|
| | | East Limit | West Limit | East Limit | West Limit | East Limit | West Limit | | |
| 18) | 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 | |
| 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 | 37.8 | 22.9 | 132.7 | 245.7 | 30 | |
| 31) | 3700.0000-4200.0000 | 60.0W | 143.0W | 35.5 | 24.2 | 130.9 | 243.4 | 31 | |
| 32) | 3700.0000-4200.0000 | 60.0W | 143.0W | 37.0 | 24.0 | 131.2 | 244.8 | 32 | |
| 33) | 3700.0000-4200.0000 | 60.0W | 143.0W | 35.2 | 25.1 | 129.7 | 242.9 | 33 | |
| 34) | 3700.0000-4200.0000 | 60.0W | 143.0W | 37.6 | 28.5 | 124.6 | 245.0 | 34 | |
| 35) | 3700.0000-4200.0000 | 60.0W | 143.0W | 36.9 | 28.6 | 124.7 | 244.3 | 35 | |
| 36) | 3700.0000-4200.0000 | 60.0W | 143.0W | 36.7 | 28.9 | 124.3 | 244.1 | 36 | |
| 37) | 3700.0000-4200.0000 | 60.0W | 143.0W | 40.9 | 13.5 | 147.6 | 251.8 | 37 | |
| 38) | 3700.0000-4200.0000 | 60.0W | 143.0W | 32.6 | 32.5 | 120.4 | 239.7 | 38 | |

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



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RADIO STATION AUTHORIZATION

Altice USA, Inc.

Call Sign: E182049

Authorization Type: Modification of License

File Number: SES-MOD-20210611-00927

Non Common Carrier

Grant date: 06/25/2021

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:

- 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
- 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) STUTTGART to Permitted Space Station List
- 31) OZARK to Permitted Space Station List
- 32) MALVERN to Permitted Space Station List
- 33) POTEAU to Permitted Space Station List
- 34) Prairie View to Permitted Space Station List
- 35) Bryan to Permitted Space Station List
- 36) Caldwell to Permitted Space Station List
- 37) BECKLEY to Permitted Space Station List
- 38) BIG LAKE 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) |
|------------|------------|-------------------------------------|-------------------|---|--------------|--|-----------------------------|---|
| 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 | 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) = | | |



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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) |
|----------------|------------|--|-------------------|-------------------------|--------------|-------------------------|-----------------------------|---|
| 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) = | | | | | | |
| 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) = | | | | | | |



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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) |
|--------------|------------|-------------------------------------|-------------------|---|--------------|--|-----------------------------|---|
| 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) = | | |
| 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) = | | |



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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) |
|--|------------|-------|-------------------|--------------------|--------------|-------------------------|-----------------------------|---|
| 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) = | | | | | | | | |
| 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) = | | | | | | | | |
| STUTTGART | 30 | 8 | 4 | Patriot | 4.0 meter | 64.97 | 4 AGL/ 68.97 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) = | | | | | | | | |



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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) |
|--|------------|-------|-------------------|---------------------|--------------|-------------------------|-----------------------------|---|
| OZARK | 31 | 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 | 32 | 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 | 33 | 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 | 34 | 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 | 35 | 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 | 36 | 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) = | | | | | | | | |



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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) |
|--|------------|-------|-------------------|-------------------------|--------------|-------------------------|-----------------------------|---|
| BECKLEY | 37 | 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 | 38 | 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) = | | | | | | | | |
| 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) = | | | | | | | | |



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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) |
|--|------------|-------|-------------------|---------------------|--------------|-------------------------|-----------------------------|---|
| 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

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 operating under this authorization are no longer operational or when they have not been used to provide any service during any 6-month operation.

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)



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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:

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.