



5925.0000 - 6425.0000 MHz	36M0F7D	81.00 dBW	Frequency modulated analog video and data
5925.0000 - 6425.0000 MHz	38M0F8W	79.50 dBW	Frequency modulated digital carrier for data, TT&C
5925.0000 - 6425.0000 MHz	36M0G7W	81.00 dBW	Video; Digital Data; TT&C
5925.0000 - 6425.0000 MHz	100KG7W	65.20 dBW	Digital Data
5925.0000 - 6425.0000 MHz	1M00F8W	75.20 dBW	Frequency modulated TC carrier
3700.0000 - 4200.0000 MHz	36M0G7W		Video; Digital Data; TT&C
3700.0000 - 4200.0000 MHz	36M0F8W		Frequency modulated analog video and data
3700.0000 - 4200.0000 MHz	36M0F7D		Frequency modulated digital carrier for data, TT&C

**Points of Communication:**

SSB C3 - PERMITTED LIST - ()

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**SES-REG-20180924-04539** E E190906 United Service Source, Inc  
 Registration 09/20/2018 - 09/20/2033  
 Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 9115 Ellis Rd., Brevard, Melbourne, FL  
 28 ° 5 ' 52.82 " N LAT. 80 ° 41 ' 46.80 " W LONG.

ANTENNA ID: 1 3.7 meters GD Satcom 1374-990  
 3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180925-04565** E E190932 Eagle Broadband Investments, LLC  
 Registration 09/25/2018 - 09/25/2033  
 Grant of Authority Date Effective: 02/25/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Name and Contact change Per Letter dated November 5, 2019. See Other Filing Tab for letter request.

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SITE ID: 1  
LOCATION: Road 229 (EC - Alma, NE), Harlan, Alma, NE  
40 ° 6 ' 36.61 " N LAT. 99 ° 21 ' 51.22 " W LONG.

ANTENNA ID:	EALMA-SA1	5 meters	Scientific Atlanta	N/A
	3700.0000 - 4200.0000 MHz		36M0G7D	Video
ANTENNA ID:	EALMA-SA2	3.2 meters	Scientific Atlanta	9000
	3700.0000 - 4200.0000 MHz		36M0G7D	Video
ANTENNA ID:	EALMA-PAT	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7D	Video
ANTENNA ID:	EALMA-DH	3 meters	DH	N/A
	3700.0000 - 4200.0000 MHz		36M0G7D	Video
ANTENNA ID:	EALMA-PRD1	3 meters	Prodelin	N/A
	3700.0000 - 4200.0000 MHz		36M0G7D	Video
ANTENNA ID:	EALMA-PRD2	3.7 meters	Prodelin	N/A
	3700.0000 - 4200.0000 MHz		36M0G7D	Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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~~SES-REG-20181001-04637~~ E E191004 Bott Communications, Inc.  
Registration 10/01/2018 - 10/01/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KSIV  
LOCATION: 1750 S. Brentwood Blvd Suite 811, USA, St. Louis, MO  
38 ° 37 ' 33.26 " N LAT. 90 ° 20 ' 46.05 " W LONG.

ANTENNA ID:	ANT1	3.8 meters	Prodelin	Series 1374-1375
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Audio

**Points of Communication:**

KSIV - PERMITTED LIST - ()

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**SES-REG-20181001-04638** E E191005 Bott Communications, Inc.  
Registration 10/01/2018 - 10/01/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 38 56  
LOCATION: 10550 Barkley Suite 100, USA, Overland Park, KS  
38 ° 56 ' 12.69 " N LAT. 94 ° 39 ' 52.83 " W LONG.

ANTENNA ID: ANT1 3.7 meters Prodelin Series 1374  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

**Points of Communication:**

38 56 - PERMITTED LIST - ()

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**SES-REG-20181003-04854** E E191225 Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day  
Registration 10/03/2018 - 10/03/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 5735 South Fashion Boulevard, MURRAY, UT  
40 ° 38 ' 46.54 " N LAT. 111 ° 52 ' 48.78 " W LONG.

ANTENNA ID: 1 3.4 meters GENERAL DYNAMICS Satcomm1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 2  
LOCATION: 1461 North Main Street, CENTERVILLE, UT  
40 ° 56 ' 14.28 " N LAT. 111 ° 52 ' 49.00 " W LONG.

ANTENNA ID: 2 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 3  
LOCATION: 4275 Bountiful Boulevard, BOUNTIFUL, UT  
40 ° 50 ' 32.04 " N LAT. 111 ° 52 ' 50.36 " W LONG.

ANTENNA ID: 3 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

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SITE ID: 4  
LOCATION: Center Main, KOOSHAREM, UT  
38 ° 30 ' 37.89 " N LAT. 111 ° 52 ' 50.76 " W LONG.

ANTENNA ID: 4 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 5  
LOCATION: 2150 North Pointe Meadow Drive, LEHI, UT  
40 ° 24 ' 49.98 " N LAT. 111 ° 52 ' 48.65 " W LONG.

ANTENNA ID: 5 3.4 meters General Dynamics Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 6  
LOCATION: 2030 W Chapel Ridge Rd, LEHI, UT  
40 ° 26 ' 39.92 " N LAT. 111 ° 52 ' 51.17 " W LONG.

ANTENNA ID: 6 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 7  
LOCATION: 9331 South 300 East, SANDY, UT  
40 ° 34 ' 57.99 " N LAT. 111 ° 52 ' 52.75 " W LONG.

ANTENNA ID: 7 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 8  
LOCATION: 2110 North Main Street, CENTERVILLE, UT  
40 ° 56 ' 53.52 " N LAT. 111 ° 52 ' 52.89 " W LONG.

ANTENNA ID: 8 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 9  
LOCATION: 275 East 10600 South, SANDY, UT  
40 ° 33 ' 33.54 " N LAT. 111 ° 52 ' 55.59 " W LONG.

ANTENNA ID: 9 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 10  
LOCATION: 11626 South 300 East, DRAPER, UT  
40 ° 32 ' 24.84 " N LAT. 111 ° 52 ' 56.43 " W LONG.



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SITE ID: 17  
LOCATION: 1250 South Main Street, BOUNTIFUL, UT  
40 ° 52 ' 36.90 " N LAT. 111 ° 53 ' 3.26 " W LONG.

ANTENNA ID: 17 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 18  
LOCATION: 695 South 200 East, FARMINGTON, UT  
40 ° 58 ' 6.90 " N LAT. 111 ° 52 ' 58.99 " W LONG.

ANTENNA ID: 18 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 19  
LOCATION: 2161 West Grays Drive, LEHI, UT  
40 ° 23 ' 0.09 " N LAT. 111 ° 53 ' 7.91 " W LONG.

ANTENNA ID: 19 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 20  
LOCATION: 160 East 4600 South, MURRAY, UT  
40 ° 40 ' 18.56 " N LAT. 111 ° 53 ' 11.19 " W LONG.

ANTENNA ID: 20 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 21  
LOCATION: 5750 South Nena Way, MURRAY, UT  
40 ° 38 ' 48.98 " N LAT. 111 ° 53 ' 27.25 " W LONG.

ANTENNA ID: 21 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 22  
LOCATION: 347 South 200 West, FARMINGTON, UT  
40 ° 58 ' 29.57 " N LAT. 111 ° 53 ' 29.20 " W LONG.

ANTENNA ID: 22 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 23  
LOCATION: 2651 South 500 West, BOUNTIFUL, UT  
40 ° 51 ' 39.59 " N LAT. 111 ° 53 ' 30.38 " W LONG.





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SITE ID: 30  
LOCATION: 900 Eaglepointe Drive, NORTH SALT LAKE, UT  
40 ° 49 ' 33.64 " N LAT. 111 ° 54 ' 0.65 " W LONG.

ANTENNA ID: 30 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 31  
LOCATION: 75 South Center Street, GOSHEN, UT  
39 ° 57 ' 4.76 " N LAT. 111 ° 54 ' 2.71 " W LONG.

ANTENNA ID: 31 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 32  
LOCATION: 2064 South 800 West, WOODS CROSS, UT  
40 ° 52 ' 10.33 " N LAT. 111 ° 54 ' 8.54 " W LONG.

ANTENNA ID: 32 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 33  
LOCATION: 729 Shepard Ln, FARMINGTON, UT  
41 ° 0 ' 0.80 " N LAT. 111 ° 54 ' 12.62 " W LONG.

ANTENNA ID: 33 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 34  
LOCATION: 8171 South Jackson Street, MIDVALE, UT  
40 ° 36 ' 10.80 " N LAT. 111 ° 53 ' 52.82 " W LONG.

ANTENNA ID: 34 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 35  
LOCATION: 587 South Saratoga Road, SARATOGA SPRINGS, UT  
40 ° 21 ' 6.74 " N LAT. 111 ° 54 ' 13.16 " W LONG.

ANTENNA ID: 35 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 36  
LOCATION: 835 North 400 East, NORTH SALT LAKE, UT  
40 ° 51 ' 26.37 " N LAT. 111 ° 54 ' 13.82 " W LONG.

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ANTENNA ID: 36                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344  
3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 37  
LOCATION: 170 North Mountain Road, FRUIT HEIGHTS, UT  
41 ° 2 ' 15.17 " N LAT.    111 ° 54 ' 20.34 " W LONG.

ANTENNA ID: 37                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344  
3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 38  
LOCATION: 619 West 5750 South, MURRAY, UT  
40 ° 38 ' 44.79 " N LAT.    111 ° 54 ' 26.31 " W LONG.

ANTENNA ID: 38                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344  
3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 39  
LOCATION: 261 East Center Street, NORTH SALT LAKE, UT  
40 ° 50 ' 31.44 " N LAT.    111 ° 54 ' 12.85 " W LONG.

ANTENNA ID: 39                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344  
3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 40  
LOCATION: 55 East 350 North, NORTH SALT LAKE, UT  
40 ° 50 ' 55.06 " N LAT.    111 ° 54 ' 38.42 " W LONG.

ANTENNA ID: 40                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344  
3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 41  
LOCATION: 5200 South Glendon Street (700 West), MURRAY, UT  
40 ° 39 ' 27.03 " N LAT.    111 ° 54 ' 38.88 " W LONG.

ANTENNA ID: 41                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344  
3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 42  
LOCATION: 2680 East Cherry Lane, LAYTON, UT  
41 ° 4 ' 51.19 " N LAT.    111 ° 54 ' 55.04 " W LONG.

ANTENNA ID: 42                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344  
3700.0000 - 4200.0000 MHz                      36M0G7W

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SITE ID: 43  
LOCATION: 934 West Fremont Avenue, SALT LAKE CITY, UT  
40 ° 44 ' 42.48 " N LAT. 111 ° 55 ' 5.23 " W LONG.

ANTENNA ID: 43 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 44  
LOCATION: 12101 S 700 W, DRAPER, UT  
40 ° 31 ' 54.00 " N LAT. 111 ° 54 ' 35.52 " W LONG.

ANTENNA ID: 44 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 45  
LOCATION: 2375 East 3225 North, LAYTON, UT  
41 ° 6 ' 34.52 " N LAT. 111 ° 55 ' 11.21 " W LONG.

ANTENNA ID: 45 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 46  
LOCATION: 10168 South 1100 West, SOUTH JORDAN, UT  
40 ° 34 ' 0.05 " N LAT. 111 ° 55 ' 17.34 " W LONG.

ANTENNA ID: 46 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 47  
LOCATION: 7989 South 2250 East, SOUTH WEBER, UT  
41 ° 7 ' 16.07 " N LAT. 111 ° 55 ' 18.78 " W LONG.

ANTENNA ID: 47 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 48  
LOCATION: 1148 West 500 North, SALT LAKE CITY, UT  
40 ° 46 ' 49.92 " N LAT. 111 ° 55 ' 25.35 " W LONG.

ANTENNA ID: 48 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 49  
LOCATION: 855 East Mutton Hollow Road, KAYSVILLE, UT  
41 ° 3 ' 27.82 " N LAT. 111 ° 55 ' 8.33 " W LONG.

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ANTENNA ID: 49                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 50

LOCATION: 201 South 600 East, KAYSVILLE, UT

41 ° 1 ' 52.59 " N LAT.

111 ° 55 ' 28.85 " W LONG.

ANTENNA ID: 50                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

**Points of Communication:**

1 - PERMITTED LIST - ()

10 - PERMITTED LIST - ()

11 - PERMITTED LIST - ()

12 - PERMITTED LIST - ()

13 - PERMITTED LIST - ()

14 - PERMITTED LIST - ()

15 - PERMITTED LIST - ()

16 - PERMITTED LIST - ()

17 - PERMITTED LIST - ()

18 - PERMITTED LIST - ()

19 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()

20 - PERMITTED LIST - ()

21 - PERMITTED LIST - ()

22 - PERMITTED LIST - ()

23 - PERMITTED LIST - ()

24 - PERMITTED LIST - ()

25 - PERMITTED LIST - ()

26 - PERMITTED LIST - ()

27 - PERMITTED LIST - ()

28 - PERMITTED LIST - ()

29 - PERMITTED LIST - ()

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3 - PERMITTED LIST - ()

30 - PERMITTED LIST - ()

31 - PERMITTED LIST - ()

32 - PERMITTED LIST - ()

33 - PERMITTED LIST - ()

34 - PERMITTED LIST - ()

35 - PERMITTED LIST - ()

36 - PERMITTED LIST - ()

37 - PERMITTED LIST - ()

38 - PERMITTED LIST - ()

39 - PERMITTED LIST - ()

4 - PERMITTED LIST - ()

40 - PERMITTED LIST - ()

41 - PERMITTED LIST - ()

42 - PERMITTED LIST - ()

43 - PERMITTED LIST - ()

44 - PERMITTED LIST - ()

45 - PERMITTED LIST - ()

46 - PERMITTED LIST - ()

47 - PERMITTED LIST - ()

48 - PERMITTED LIST - ()

49 - PERMITTED LIST - ()

5 - PERMITTED LIST - ()

50 - PERMITTED LIST - ()

6 - PERMITTED LIST - ()

7 - PERMITTED LIST - ()

8 - PERMITTED LIST - ()

9 - PERMITTED LIST - ()

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**SES-REG-20181004-05123** E E191503 Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day  
Registration 10/04/2018 - 10/04/2033  
Grant of Authority Date Effective: 02/25/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: LONE MOUNTAIN, MOUNT  
LOCATION: 3300 N Buffalo Drive, LAS VEGAS, NV  
36 ° 13 ' 14.21 " N LAT. 115 ° 15 ' 35.47 " W LONG.

ANTENNA ID: 1 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

3700.0000 - 4200.0000 MHz 36M0G7W

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CANYON GATE, MONTE C  
LOCATION: 1801 South Monte Cristo Way, LAS VEGAS, NV  
36 ° 9 ' 2.67 " N LAT. 115 ° 15 ' 18.24 " W LONG.

ANTENNA ID: 2 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: EVERGREEN, PALMHURST  
LOCATION: 221 Lorenzi Street, LAS VEGAS, NV  
36 ° 10 ' 13.27 " N LAT. 115 ° 14 ' 28.62 " W LONG.

ANTENNA ID: 3 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: LAURELWOOD, LAS VEGA  
LOCATION: 6601 West Twain Avenue, LAS VEGAS, NV  
36 ° 7 ' 17.61 " N LAT. 115 ° 14 ' 12.33 " W LONG.

ANTENNA ID: 4 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: DEER SPRINGS, GILCRE  
LOCATION: 6051 Dorrell Lane, LAS VEGAS, NV  
36 ° 17 ' 11.73 " N LAT. 115 ° 13 ' 31.57 " W LONG.







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SITE ID: FOUNTAINS, GREEN VAL  
LOCATION: 410 N Valley Verde Dr, HENDERSON, NV  
36 ° 3 ' 27.36 " N LAT. 115 ° 4 ' 6.49 " W LONG.

ANTENNA ID: FOUNTGRE 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CHARLESTON BOULEVARD  
LOCATION: 375 N Hollywood Boulevard, LAS VEGAS, NV  
36 ° 9 ' 58.51 " N LAT. 115 ° 1 ' 36.70 " W LONG.

ANTENNA ID: CHARLESB 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CHAPEL HEIGHTS, MOUN  
LOCATION: 1825 N Hollywood Boulevard, LAS VEGAS, NV  
36 ° 11 ' 33.58 " N LAT. 115 ° 1 ' 36.55 " W LONG.

ANTENNA ID: CHAPELHI 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: ARROYO GRANDE, CARNE  
LOCATION: 2497 Cozy Hill Cir, HENDERSON, NV  
36 ° 0 ' 42.29 " N LAT. 115 ° 5 ' 41.31 " W LONG.

ANTENNA ID: ARROYGRA 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: LUND  
LOCATION: 88 South Main, LUND, NV  
38 ° 51 ' 25.19 " N LAT. 115 ° 0 ' 26.25 " W LONG.

ANTENNA ID: LUND 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: WELLS  
LOCATION: 951 Lake Ave, WELLS, NV  
41 ° 6 ' 27.50 " N LAT. 114 ° 58 ' 14.16 " W LONG.

ANTENNA ID: WELLS 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: ARROWHEAD, HIGHLAND  
LOCATION: 801 Arrowhead Trail, HENDERSON, NV  
36 ° 0 ' 17.38 " N LAT. 114 ° 57 ' 29.50 " W LONG.

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ANTENNA ID: ARROWHE 3.4 meters GENERAL DYNAMICS Satcom 1344  
 3700.0000 - 4200.0000 MHz 36M0G7W  
 SITE ID: ELY 1, 2, 3 &  
 LOCATION: 900 Avenue East, ELY, NV  
 39 ° 15 ' 21.50 " N LAT. 114 ° 52 ' 15.85 " W LONG.

ANTENNA ID: ELY123& 3.4 meters GENERAL DYNAMICS Satcom 1344  
 3700.0000 - 4200.0000 MHz 36M0G7W  
 SITE ID: BLACK CANYON, OASIS  
 LOCATION: 916 5th Street, BOULDER CITY, NV  
 35 ° 58 ' 25.21 " N LAT. 114 ° 49 ' 57.21 " W LONG.

ANTENNA ID: BLACKCAN 3.4 meters GENERAL DYNAMICS Satcom 1344  
 3700.0000 - 4200.0000 MHz 36M0G7W  
 SITE ID: JACKPOT NEVADA  
 LOCATION: 2590 Progressive Dr, JACKPOT, NV  
 41 ° 58 ' 46.32 " N LAT. 114 ° 39 ' 54.01 " W LONG.

ANTENNA ID: JACKPOTN 3.4 meters GENERAL DYNAMICS Satcom 1344  
 3700.0000 - 4200.0000 MHz 36M0G7W  
 SITE ID: CALICO RIDGE, FAIRVI  
 LOCATION: 303 South Cholla Street, HENDERSON, NV  
 36 ° 2 ' 18.98 " N LAT. 114 ° 58 ' 22.25 " W LONG.

ANTENNA ID: CALICORID 3.4 meters GENERAL DYNAMICS Satcom 1344  
 3700.0000 - 4200.0000 MHz 36M0G7W  
 SITE ID: PANACA 1, 2 &  
 LOCATION: 1065 Main Street, PANACA, NV  
 37 ° 47 ' 25.64 " N LAT. 114 ° 23 ' 15.35 " W LONG.

ANTENNA ID: PANACA123 3.4 meters GENERAL DYNAMICS Satcom 1344  
 3700.0000 - 4200.0000 MHz 36M0G7W  
 SITE ID: MESQUITE 1, 4, 7, VI  
 LOCATION: 100 North Arrowhead Lane, MESQUITE, NV  
 36 ° 48 ' 19.46 " N LAT. 114 ° 4 ' 30.67 " W LONG.

ANTENNA ID: MESQUITE1 3.4 meters GENERAL DYNAMICS Satcom 1344  
 3700.0000 - 4200.0000 MHz 36M0G7W

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SITE ID: KEENE  
LOCATION: 130 Summit Road, KEENE, NH  
42 ° 56 ' 55.29 " N LAT. 72 ° 19 ' 25.03 " W LONG.

ANTENNA ID: KEEN 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: HANOVER, LEBANON  
LOCATION: 667 Dartmouth College Highway, LEBANON, NH  
43 ° 38 ' 58.12 " N LAT. 72 ° 10 ' 18.51 " W LONG.

ANTENNA ID: HANDOVLE 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: PETERBOROUGH  
LOCATION: 65 Old Bennington Road, PETERBOROUGH, NH  
42 ° 56 ' 20.47 " N LAT. 71 ° 54 ' 34.92 " W LONG.

ANTENNA ID: PETERBOR 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: LOGANDALE 3, 4 &  
LOCATION: 2555 N St Joseph St, LOGANDALE, NV  
36 ° 35 ' 12.25 " N LAT. 114 ° 27 ' 41.21 " W LONG.

ANTENNA ID: LOGANDA3 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CANTERBURY, CONCORD  
LOCATION: 90 Clinton Street, CONCORD, NH  
43 ° 11 ' 23.79 " N LAT. 71 ° 33 ' 5.78 " W LONG.

ANTENNA ID: CANTERBU 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: LACONIA  
LOCATION: 1242 Old North Main Street, LACONIA, NH  
43 ° 32 ' 46.94 " N LAT. 71 ° 28 ' 52.74 " W LONG.

ANTENNA ID: LACONIA 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: MERRIMACK, NASHUA 1,  
LOCATION: 110 Concord Street, NASHUA, NH  
42 ° 46 ' 55.56 " N LAT. 71 ° 28 ' 0.71 " W LONG.



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SITE ID: RANDOLPH  
LOCATION: 5 US Route 2, RANDOLPH, NH  
44 ° 22 ' 51.88 " N LAT. 71 ° 14 ' 49.86 " W LONG.

ANTENNA ID: RANDOLP 3.4 meters GENERAL DYNAMICS Satcom 1344

SITE ID: LANDIS (SP), VINELAN  
LOCATION: 110 Highland Avenue, VINELAND, NJ  
39 ° 28 ' 57.11 " N LAT. 74 ° 59 ' 2.98 " W LONG.

ANTENNA ID: LANDISSP 3.4 meters GENERAL DYNAMICS Satcom 1344

SITE ID: MOORESTOWN  
LOCATION: 321 Bridgeboro Road, MOORESTOWN, NJ  
39 ° 59 ' 10.37 " N LAT. 74 ° 56 ' 46.12 " W LONG.

ANTENNA ID: MOOREST 3.4 meters GENERAL DYNAMICS Satcom 1344

SITE ID: CLINTON  
LOCATION: 7 Red School House Road, LEBANON, NJ  
40 ° 36 ' 3.24 " N LAT. 74 ° 52 ' 38.19 " W LONG.

ANTENNA ID: CLINTON 3.4 meters GENERAL DYNAMICS Satcom 1344

SITE ID: CAPE MAY  
LOCATION: 803 Hand Avenue, CAPE MAY COURT HOUSE, NJ  
39 ° 5 ' 22.88 " N LAT. 74 ° 50 ' 49.41 " W LONG.

ANTENNA ID: CAPEMAY 3.4 meters GENERAL DYNAMICS Satcom 1344

SITE ID: MEDFORD  
LOCATION: 609 Tabernacle Road, MEDFORD, NJ  
39 ° 51 ' 26.81 " N LAT. 74 ° 46 ' 27.70 " W LONG.

ANTENNA ID: MEDFORD 3.4 meters GENERAL DYNAMICS Satcom 1344

SITE ID: CHERRY HILL 1, 2 &  
LOCATION: 252 East Evesham Road, CHERRY HILL, NJ  
39 ° 51 ' 38.17 " N LAT. 74 ° 59 ' 29.54 " W LONG.

ANTENNA ID: CHERRYH1 3.4 meters GENERAL DYNAMICS Satcom 1344

**Points of Communication:**

ALAMO, HIKO - PERMITTED LIST - ()

ALIANTE, DOVE CANYON - PERMITTED LIST - ()

ARROWHEAD, HIGHLAND - PERMITTED LIST - ()

ARROYO GRANDE, CARNE - PERMITTED LIST - ()

BEDFORD, MANCHESTER - PERMITTED LIST - ()

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BLACK CANYON, OASIS - PERMITTED LIST - ()

CALICO RIDGE, FAIRVI - PERMITTED LIST - ()

CANTERBURY, CONCORD - PERMITTED LIST - ()

CANYON GATE, MONTE C - PERMITTED LIST - ()

CAPE MAY - PERMITTED LIST - ()

CHAPEL HEIGHTS, MOUN - PERMITTED LIST - ()

CHARLESTON BOULEVARD - PERMITTED LIST - ()

CHARLESTON, RANCHO - PERMITTED LIST - ()

CHERRY HILL 1, 2 & - PERMITTED LIST - ()

CHEYENNE, CIMARRON C - PERMITTED LIST - ()

CIVIC CENTER, TROPIC - PERMITTED LIST - ()

CLINTON - PERMITTED LIST - ()

DEER SPRINGS, GILCRE - PERMITTED LIST - ()

DERRY - PERMITTED LIST - ()

ELY 1, 2, 3 & - PERMITTED LIST - ()

ENSIGN (SP), SANDHIL - PERMITTED LIST - ()

EVERGREEN, PALMHURST - PERMITTED LIST - ()

EXETER & - PERMITTED LIST - ()

FOUNTAINS, GREEN VAL - PERMITTED LIST - ()

FRANCISCO PARK, GREE - PERMITTED LIST - ()

HANOVER, LEBANON - PERMITTED LIST - ()

HARMONY HILLS, NELLI - PERMITTED LIST - ()

JACKPOT NEVADA - PERMITTED LIST - ()

KEENE - PERMITTED LIST - ()

LACONIA - PERMITTED LIST - ()

LANDIS (SP), VINELAN - PERMITTED LIST - ()

LAS PALMAS, ROBINDAL - PERMITTED LIST - ()

LAURELWOOD, LAS VEGA - PERMITTED LIST - ()

LOGANDALE 3, 4 & - PERMITTED LIST - ()

LONE MOUNTAIN, MOUNT - PERMITTED LIST - ()



3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Programming
ANTENNA ID: Antenna 5	3 meters	RCA	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Programming
ANTENNA ID: Antenna 6	3.7 meters	Unknown	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Programming
ANTENNA ID: Antenna 7	3.7 meters	Unknown	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Programming

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20181008-04974</b>	E	E191350	Northland Cable Television, Inc.	10/08/2018 - 10/08/2033
Registration				Date Effective: 02/25/2020
Grant of Authority				

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 801 Fairview Ave (NCTV), Grant, Ephrata, WA  
 47 ° 19 ' 24.10 " N LAT. 119 ° 33 ' 37.50 " W LONG.

ANTENNA ID: Antenna 1	4.5 meters	Scientific Atlanta	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Programming
ANTENNA ID: Antenna 2	3.7 meters	Scientific Atlanta	Unknown
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Programming
ANTENNA ID: Antenna 3	3.8 meters	Patriot	PRT 380
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Programming

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20181008-04975</b>	E	E191351	Northland Cable Television, Inc.	10/08/2018 - 10/08/2033
Registration				Date Effective: 02/25/2020
Grant of Authority				

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service



SITE ID: 1  
 LOCATION: 411 1/2 Rainey Lane (NCTV), Madison, Madisonville, TX  
 30 ° 57 ' 6.60 " N LAT. 95 ° 53 ' 50.20 " W LONG.

ANTENNA ID:	Antenna 1	3.8 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Video Programming
ANTENNA ID:	Antenna 2	4.5 meters	Scientific Atlanta	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Video Programming
ANTENNA ID:	Antenna 3	3.8 meters	Scientific Atlanta	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Video Programming

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181008-04977** E E191353 ImOn Communications, LLC  
 Registration 10/08/2018 - 10/08/2033  
 Grant of Authority Date Effective: 02/25/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 5055 Rec Drive (ImOn TVRO Site), Linn, Marion, IA  
 42 ° 3 ' 6.12 " N LAT. 91 ° 33 ' 16.13 " W LONG.

ANTENNA ID:	Ant-1 4.5M	4.5 meters	Satellite Export & Engineering	Patriot 4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital video TVRO operation for CATV retransmission
ANTENNA ID:	Ant-2 4.5M	4.5 meters	Satellite Export & Engineering	Patriot 4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital video TVRO operation for CATV retransmission
ANTENNA ID:	Ant-3 4.5M	4.5 meters	Satellite Export & Engineering	Patriot 4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital video TVRO operation for CATV retransmission
ANTENNA ID:	Ant-4 4.5M	4.5 meters	Satellite Export & Engineering	Patriot 4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital video TVRO operation for CATV retransmission
ANTENNA ID:	Ant-5 4.5M	4.5 meters	Satellite Export & Engineering	Patriot 4.5

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video TVRO operation for CATV retransmission
ANTENNA ID: Ant-6 4.5M	4.5 meters	Satellite Export & Engineering	Patriot 4.5
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video TVRO operation for CATV retransmission
ANTENNA ID: Ant-7 4.5M	4.5 meters	Satellite Export & Engineering	Patriot 4.5
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video TVRO operation for CATV retransmission
ANTENNA ID: Ant-8 4.5M	4.5 meters	Satellite Export & Engineering	Patriot 4.5
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video TVRO operation for CATV retransmission
ANTENNA ID: Ant-9 4.5M	4.5 meters	Satellite Export & Engineering	Patriot 4.5
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video TVRO operation for CATV retransmission
ANTENNA ID: Ant-10 4.5	4.5 meters	Satellite Export & Engineering	Patriot 4.5
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video TVRO operation for CATV retransmission
ANTENNA ID: Ant-11 3.7	3.7 meters	General Dynamics Satcom Technologies	Prodelin Series 1374
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video TVRO operation for CATV retransmission

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20181008-05119</b>	E E191499	Tri-State Christian TV, Inc.	10/08/2018 - 10/08/2033
Registration			Date Effective: 02/19/2020
Grant of Authority			

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Marion  
LOCATION: 11717 Rt. 37, Williamson, Marion, IL  
37 ° 45 ' 54.20 " N LAT. 88 ° 56 ' 1.50 " W LONG.

ANTENNA ID: 3.8m	3.8 meters	DH Sat	3.8 meter
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video Carrier

**Points of Communication:**

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Marion - PERMITTED LIST - ()

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**SES-REG-20181008-05391** E E200096 Friends of KSPS  
Registration

Date Effective:

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 2362 f

LOCATION: 3911S. Regal St, Spokane, Spokane, WA  
47 ° 37 ' 7.32 " N LAT.

117 ° 22 ' 3.57 " W LONG.

ANTENNA ID: ARTS 3.7 meters Dawn Co. D37F48-4PC-5.5

3700.0000 - 4200.0000 MHz 36M0W2F digital audio and video

**Points of Communication:**

2362 f - GALAXY 17 (S2715) - (91 W.L.)

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**SES-REG-20181009-04991** E E191367 AC Holdings, Inc.  
Registration  
Grant of Authority

10/09/2018 - 10/09/2033

Date Effective: 02/19/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: JFK-T8 - JFK IA

LOCATION: Van Wyck and JFK Expressway, Queens, Jamaica, NY  
40 ° 38 ' 55.80 " N LAT.

73 ° 47 ' 28.30 " W LONG.

ANTENNA ID: 1 3.1 meters Patriot PRT-310

3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW DVB-S2/AVC Video Services

**Points of Communication:**

JFK-T8 - JFK IA - PERMITTED LIST - ()

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**SES-REG-20181009-05000** E E191376 AC Holdings, Inc.  
Registration  
Grant of Authority

10/09/2018 - 10/09/2033

Date Effective: 02/19/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: HOU- Wil. P Hobby AP

LOCATION: 7800 Airport Blvd, Harris, Houston, TX  
29 ° 39 ' 16.30 " N LAT.

95 ° 16 ' 31.40 " W LONG.

ANTENNA ID: 1 3 meters Prodelin 1134



3700.0000 - 4200.0000 MHz	15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz	20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video

SITE ID: CRES Antenna 08  
LOCATION: 7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33 ° 41 ' 27.10 " N LAT. 84 ° 37 ' 21.40 " W LONG.

ANTENNA ID: ANT 08 9 meters Viasat 8009A

3700.0000 - 4200.0000 MHz	15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz	20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video

SITE ID: CRES Antenna 10  
LOCATION: 7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33 ° 41 ' 27.60 " N LAT. 84 ° 37 ' 21.40 " W LONG.

ANTENNA ID: ANT 10 9 meters Viasat 8009A

3700.0000 - 4200.0000 MHz	15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz	20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video

SITE ID: CRES Antenna 07  
LOCATION: 7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33 ° 41 ' 27.00 " N LAT. 84 ° 37 ' 22.30 " W LONG.

ANTENNA ID: ANT 07 7 meters Viasat 8010

3700.0000 - 4200.0000 MHz	15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz	20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video

**Points of Communication:**



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**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 101 S Egan, Lake, Madison, SD  
44 ° 0 ' 17.63 " N LAT. 97 ° 6 ' 51.38 " W LONG.

ANTENNA ID: AMC-18 3.7 meters Prodelin 3.7  
3700.0000 - 4200.0000 MHz 36M0G7W Network programming

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181009-05016** E E191392 Alpha 3E Licensee LLC  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 02/25/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1140 150th Ave, Rock, Luverne, MN  
43 ° 39 ' 5.49 " N LAT. 96 ° 10 ' 18.35 " W LONG.

ANTENNA ID: AMC-18 3.7 meters DH Satellite 37DH4  
3700.0000 - 4200.0000 MHz 36M0G7W Network programming

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181009-05028** E E191405 TURNER BROADCASTING SYSTEM, INC.  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 02/25/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: CRES Antenna 01  
LOCATION: 7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33 ° 41 ' 25.80 " N LAT. 84 ° 37 ' 23.00 " W LONG.

ANTENNA ID: Antenna 01 5 meters RSI 500CS-200  
3700.0000 - 4200.0000 MHz 15M5G1F 0.00 dBW QPSK, 8PSK & 16APSK Modulation,  
digital video  
3700.0000 - 4200.0000 MHz 20M0G7F 0.00 dBW QPSK, 8PSK & 16APSK Modulation,  
digital video

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3700.0000 - 4200.0000 MHz      36M0G7F      0.00 dBW      QPSK, 8PSK & 16APSK Modulation,  
digital video

SITE ID:      CRES Antenna 17  
LOCATION:      7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33 ° 41 ' 25.60 " N LAT.      84 ° 37 ' 22.10 " W LONG.

ANTENNA ID:    Antenna 17      9 meters      Viasat      8009A

3700.0000 - 4200.0000 MHz      15M5G1F      0.00 dBW      QPSK, 8PSK & 16APSK Modulation,  
digital video

3700.0000 - 4200.0000 MHz      20M0G7F      0.00 dBW      QPSK, 8PSK & 16APSK Modulation,  
digital video

3700.0000 - 4200.0000 MHz      36M0G7F      0.00 dBW      QPSK, 8PSK & 16APSK Modulation,  
digital video

SITE ID:      CRES Antenna 22  
LOCATION:      7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33 ° 41 ' 25.90 " N LAT.      84 ° 37 ' 22.50 " W LONG.

ANTENNA ID:    Antenna 22      9 meters      GD Satcom      9MKPC

3700.0000 - 4200.0000 MHz      15M5G1F      0.00 dBW      QPSK, 8PSK & 16APSK Modulation,  
digital video

3700.0000 - 4200.0000 MHz      20M0G7F      0.00 dBW      QPSK, 8PSK & 16APSK Modulation,  
digital video

3700.0000 - 4200.0000 MHz      36M0G7F      0.00 dBW      QPSK, 8PSK & 16APSK Modulation,  
digital video

**Points of Communication:**

CRES Antenna 01 - PERMITTED LIST - ()

CRES Antenna 17 - PERMITTED LIST - ()

CRES Antenna 22 - PERMITTED LIST - ()

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**SES-REG-20181009-05029**    E E191407    Northland Communications, Inc.      10/09/2018 - 10/09/2033  
Registration  
Grant of Authority      Date Effective:    02/25/2020

**Class of Station:**      Fixed Earth Stations

**Nature of Service:**    Fixed Satellite Service

SITE ID:      Clear Lake CO  
LOCATION:      107 N 4th St, Cerro Gordo, Clear Lake, IA  
43 ° 8 ' 14.96 " N LAT.      93 ° 22 ' 58.22 " W LONG.

ANTENNA ID:    CLCO      3.7 meters      Patriot      AT1374540M



3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

Clear Lake CO - PERMITTED LIST - ()

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**SES-REG-20181009-05037** E E191415 TURNER BROADCASTING SYSTEM, INC.  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA  
33 ° 47 ' 2.40 " N LAT. 84 ° 23 ' 37.70 " W LONG.

ANTENNA ID:	1	7 meters	Scientific Atlanta	8010
3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video	
3700.0000 - 4200.0000 MHz	20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video	
3700.0000 - 4200.0000 MHz	15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video	

SITE ID: 2  
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA  
33 ° 47 ' 3.10 " N LAT. 84 ° 23 ' 37.70 " W LONG.

ANTENNA ID:	2	7 meters	Scientific Atlanta	8010
3700.0000 - 4200.0000 MHz	15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video	
3700.0000 - 4200.0000 MHz	20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video	
3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video	

**Points of Communication:**

1 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()

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**SES-REG-20181009-05040** E E191418 AC Holdings, Inc.  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 10701 Lambert International Blvd, St. Louis, St. Louis, MO  
38 ° 44 ' 32.30 " N LAT. 90 ° 21 ' 47.90 " W LONG.

ANTENNA ID: 1 3.1 meters Patriot PRT-310  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW DVB-S2/AVC Video Services

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181009-05042** E E191420 Baldwin Telecom Inc  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 558 CTY RD A, St Croix, Hudson, WI  
44 ° 59 ' 36.00 " N LAT. 92 ° 41 ' 18.00 " W LONG.

ANTENNA ID: 1 4.5 meters Superior Satellite 8345  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Satellite and Television Feeds

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181009-05045** E E191423 LM Communications II of SC Inc  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 59 Windermere Blvd, Charleston, Charleston, SC  
32 ° 46 ' 33.11 " N LAT. 79 ° 58 ' 34.72 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin 3.7 AZ EL  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services, Analog and Digital, with associated sub-carriers.

**Points of Communication:**





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SITE ID: 2  
LOCATION: 6430 SUNSET BLVD. SUITE 300, Los Angeles, Los Angeles, CA  
34 ° 5 ' 51.70 " N LAT. 118 ° 19 ' 47.90 " W LONG.

ANTENNA ID:	2	3.7 meters	VIKING	1375-990	
	3700.0000 - 4200.0000 MHz		11M5G7F	0.00 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS, COMPRESSED DIGITAL VIDEO AND AUDIO
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS, COMPRESSED DIGITAL VIDEO AND AUDIO
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS, COMPRESSED DIGITAL VIDEO AND AUDIO

SITE ID: 3  
LOCATION: 6430 SUNSET BLVD. SUITE 300, Los Angeles, Los Angeles, CA  
34 ° 5 ' 51.70 " N LAT. 118 ° 19 ' 47.90 " W LONG.

ANTENNA ID:	3	3 meters	VIKING	VS-300NAV	
	3700.0000 - 4200.0000 MHz		11M5G7F	0.00 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS, COMPRESSED DIGITAL VIDEO AND AUDIO
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS, COMPRESSED DIGITAL VIDEO AND AUDIO
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS, COMPRESSED DIGITAL VIDEO AND AUDIO

**Points of Communication:**

2 - PERMITTED LIST - ()

3 - PERMITTED LIST - ()

reg2018 - PERMITTED LIST - ()

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**SES-REG-20181009-05058** E E191436 AC Holdings, Inc. 10/09/2018 - 10/09/2033  
Registration Date Effective: 02/18/2020  
Grant of Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: 424  
LOCATION: 9000 Middlebelt Rd, Wayne, Detroit, MI  
42 ° 12 ' 28.30 " N LAT. 83 ° 21 ' 28.70 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot PRT-380  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW DVB-S2/AVC Video Services

**Points of Communication:**

424 - PERMITTED LIST - ()

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**SES-REG-20181009-05070** E E191448 Univision Salt Lake City LLC  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 02/25/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 11513 W.2616 North, Utah, Saratoga Springs, UT  
40 ° 16 ' 45.00 " N LAT. 111 ° 56 ' 3.00 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 829066-G2RC  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video, Audio, and Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181009-05071** E E191449 KWEX License Partnership, L.P.  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 02/25/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 10850 Elmendorf-Laveria Rd, Wilson, Adkins, TX  
29 ° 16 ' 31.84 " N LAT. 98 ° 15 ' 53.44 " W LONG.

ANTENNA ID: 1 3.7 meters DH Satellite Polar Mount  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video, Audio, and Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181010-05291** E E191666 BFI Licenses, LLC  
Registration 10/10/2018 - 10/10/2033  
Grant of Authority Date Effective: 02/19/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: RO 4  
LOCATION: 250 Harbor Drive, Fairfield, Stamford, CT  
41 ° 2 ' 0.54 " N LAT. 73 ° 32 ' 0.13 " W LONG.

ANTENNA ID: 1 7 meters Scientific Atlanta 7M  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

**Points of Communication:**

RO 4 - PERMITTED LIST - ()

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**SES-REG-20181010-05293** E E191668 Fox Broadcasting Company  
Registration 10/10/2018 - 10/10/2033  
Grant of Authority Date Effective: 02/14/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: FTS  
LOCATION: 35 Skyline Drive, Seminole, Lake Mary, FL  
28 ° 44 ' 16.10 " N LAT. 81 ° 22 ' 9.50 " W LONG.

ANTENNA ID: 4.8 4.8 meters EASi 4.8  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

ANTENNA ID: 4.8 4.5 meters Andrew Corporation 4.5M  
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation

ANTENNA ID: 4.0M 4 meters Parabolic 4.0  
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation

ANTENNA ID: 4.8M 4.8 meters D&H 4.8  
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation

**Points of Communication:**

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FTS - PERMITTED LIST - ()

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**SES-REG-20181010-05299** E E200006 BCBL License Subsidiary, LLC  
Registration 10/10/2018 - 10/10/2033  
Grant of Authority Date Effective: 02/19/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Site 1

LOCATION: 1500 Eraste Landry Rd, Lafayette, Lafayette, LA  
30 ° 13 ' 18.72 " N LAT.

92 ° 3 ' 50.44 " W LONG.

ANTENNA ID:	Ant 1	4.6 meters	Vertex	4.6
	3700.0000 - 4200.0000 MHz		30M0G7W	Digital Video
ANTENNA ID:	Ant 2	4.6 meters	Scientific Atlanta	8346
	3700.0000 - 4200.0000 MHz		30M0G7W	Digital Video
ANTENNA ID:	Ant 3	4.6 meters	Scientific Atlanta	8227DP
	3700.0000 - 4200.0000 MHz		30M0G7W	Digital Video
ANTENNA ID:	Ant 4	4.2 meters	DH	AZEL42M
	3700.0000 - 4200.0000 MHz		30M0G7W	Digital Video
ANTENNA ID:	Ant 5	3.8 meters	DH	AZEL38M
	3700.0000 - 4200.0000 MHz		30M0G7W	Digital Video

**Points of Communication:**

Site 1 - PERMITTED LIST - ()

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**SES-REG-20181010-05302** E E200009 AirWaves, Inc  
Registration 10/10/2018 - 10/10/2033  
Grant of Authority Date Effective: 02/19/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Logan UT

LOCATION: 3006 North Main, Cache, Logan, UT  
41 ° 47 ' 14.25 " N LAT.

111 ° 49 ' 58.56 " W LONG.

ANTENNA ID:	Logan	3.048 meters	KTI	CKD10
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Video Carrier



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**Points of Communication:**

Logan UT - GALAXY 23 (S2592) - (121 W.L.)

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**SES-REG-20181011-05308** E E200015 Urban One, Inc.  
Registration 10/08/2018 - 10/08/2033  
Grant of Authority Date Effective: 02/19/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Baltimore  
LOCATION: 1705 Whitehead Road, Baltimore, Baltimore, MD  
39 ° 18 ' 51.10 " N LAT. 76 ° 44 ' 25.00 " W LONG.

ANTENNA ID: ANT1 3.7 meters Viking 1374-990  
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

**Points of Communication:**

Baltimore - PERMITTED LIST - ()

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**SES-REG-20181011-05311** E E200018 Urban One, Inc.  
Registration 10/08/2018 - 10/08/2033  
Grant of Authority Date Effective: 02/19/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Charlotte  
LOCATION: 8809 Lenox Pointe Drive, Mecklenburg, Charlotte, NC  
35 ° 8 ' 6.00 " N LAT. 80 ° 56 ' 7.00 " W LONG.

ANTENNA ID: ANT1 3.8 meters Patriot PRT-380  
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

**Points of Communication:**

Charlotte - PERMITTED LIST - ()

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**SES-REG-20181011-05313** E E200020 KEYE Licensee, LLC  
Registration 10/11/2018 - 10/11/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: 111  
LOCATION: 10700 Metric Blvd, Travis, Austin, TX  
30 ° 23 ' 11.90 " N LAT. 97 ° 42 ' 43.90 " W LONG.

ANTENNA ID: 1 3.8 meters Vertex VER3.8  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data  
ANTENNA ID: 2 4.8 meters Comtek COM4.8  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

**Points of Communication:**

111 - PERMITTED LIST - ()

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**SES-REG-20181011-05314** E E200021 KZJL License LLC  
Registration 10/11/2018 - 10/11/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 2945 Senior Rd, Missouri City, TX  
29 ° 33 ' 44.00 " N LAT. 95 ° 30 ' 33.90 " W LONG.

ANTENNA ID: 1 4.5 meters DH D45MAE-MRC2  
3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181011-05315** E E200022 Urban One, Inc.  
Registration 10/08/2018 - 10/08/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 3250 Franklin Street, Wayne, Detroit, MI  
42 ° 20 ' 22.25 " N LAT. 83 ° 0 ' 49.80 " W LONG.

ANTENNA ID: 1 3.7 meters SAMI SM12  
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-REG-20181011-05316** E E200296 WKYC-TV, LLC  
Registration 10/11/2018 - 10/11/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 6600 Broadview Road, Cuyahoga, Parma, OH  
41 ° 23 ' 7.00 " N LAT. 81 ° 41 ' 18.60 " W LONG.

ANTENNA ID:	1	4.5 meters	Patriot	4.5 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital video and data
ANTENNA ID:	2	4.5 meters	ASC Signal	4.5 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital video and data
ANTENNA ID:	3	7 meters	Scientific Atlanta	7 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital video and data

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-REG-20181011-05318** E E200024 WPEC Licensee, LLC  
Registration 10/11/2018 - 10/11/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1100 Fairfield Drive, Palm Beach, West Palm Beach, FL  
26 ° 45 ' 39.50 " N LAT. 80 ° 4 ' 9.00 " W LONG.

ANTENNA ID:	1	4.5 meters	EASi	EAS4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data
ANTENNA ID:	2	4.2 meters	Patriot	PRT420
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data

**Points of Communication:**

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1 - PERMITTED LIST - ()

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Registration

10/11/2018 - 10/11/2033

Grant of Authority

Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: Keith O'Malley, Norfolk, Norfolk, VA  
36 ° 51 ' 19.50 " N LAT.

76 ° 18 ' 8.80 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 829066-G2RC

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 2 4.5 meters Andrew ESA45-4A

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 3 3.7 meters AFC PR-12/4

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 4 3.7 meters PRODELIN 1374

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 5 3.8 meters Comtech 829066-G2RC

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 6 4.5 meters Andrew ESA45-4A

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 2

LOCATION: 5525 Nansemond Parkway, Suffolk, Suffolk, VA  
36 ° 49 ' 0.50 " N LAT.

76 ° 28 ' 3.80 " W LONG.

ANTENNA ID: 7 4.5 meters Andrew ESA45-4A

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 8 4.5 meters Andrew ESA45-4A

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 9 7.3 meters Andrew ASC-7.3

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 10 7.3 meters Andrew ASC-7.3

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

1 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()

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**SES-REG-20181011-05320** E E200026 Tri-County Broadcasting, Inc. 10/11/2018 - 10/11/2033  
Registration  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 2693 10th Ave NE, Benton, Sauk Rapids, MN  
45 ° 36 ' 19.96 " N LAT. 94 ° 8 ' 28.78 " W LONG.

ANTENNA ID: 1 3.8 meters DH Satellite 38DH4

3700.0000 - 4200.0000 MHz 36M0G7W Broadcast Audio / Video

**Points of Communication:**

1 - SES-11 (S2964) - (104.95 W.L)

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**SES-REG-20181011-05321** E E200027 Gray Television Licensee, LLC 10/11/2018 - 10/11/2033  
Registration  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 3501 Farnam St., Omaha, DC  
41 ° 15 ' 26.18 " N LAT. 95 ° 57 ' 52.39 " W LONG.

ANTENNA ID: 1 5 meters AFC 5M

3700.0000 - 4200.0000 MHz 36M0G7F

ANTENNA ID: 2 4.5 meters Prodelin 4.5M

3700.0000 - 4200.0000 MHz 36M0G7F

ANTENNA ID: 3 3.8 meters Comtech 3.8M

3700.0000 - 4200.0000 MHz 36M0G7F

ANTENNA ID: 4 4.5 meters Prodelin 4.5M

3700.0000 - 4200.0000 MHz	36M0G7F		
ANTENNA ID: 5	5 meters	Comtech	5M
3700.0000 - 4200.0000 MHz	36M0G7F		
ANTENNA ID: 6	3.7 meters	AFC	3.7M
3700.0000 - 4200.0000 MHz	36M0G7F		
ANTENNA ID: 7	3.8 meters	DH Satellite	DH-38M
3700.0000 - 4200.0000 MHz	36M0G7F		
ANTENNA ID: 8	4 meters	Unknown	Unknown
3700.0000 - 4200.0000 MHz	36M0G7F		

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20181011-05323</b>	E E200029	WCTI Licensee, LLC	
Registration			10/11/2018 - 10/11/2033
Grant of Authority			Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 225 Glenburnie Drive, Craven, New Bern, NC  
 35 ° 8 ' 4.70 " N LAT. 77 ° 3 ' 47.90 " W LONG.

ANTENNA ID: 1	4.5 meters	DH Satellite	45DH1
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video and Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20181011-05324</b>	E E200030	WCTI Licensee, LLC	
Registration			10/11/2018 - 10/11/2033
Grant of Authority			Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 225 Glenburnie Drive, Craven, New Bern, NC  
 35 ° 8 ' 4.20 " N LAT. 77 ° 3 ' 47.10 " W LONG.



3700.0000 - 4200.0000 MHz	36M0G7W	QPSK, DVBS, DVBS2 video services
ANTENNA ID: 5	4.5 meters Andrew	Parabolic/Front Feed
3700.0000 - 4200.0000 MHz	36M0G7W	QPSK, DVBS, DVBS2 video services
ANTENNA ID: 6	3 meters Andrew	Parabolic/Front Feed
3700.0000 - 4200.0000 MHz	36M0G7W	QPSK, DVBS, DVBS2 video services
ANTENNA ID: 7	3 meters Andrew	Parabolic/Front Feed
3700.0000 - 4200.0000 MHz	36M0G7W	QPSK, DVBS, DVBS2 video services

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20181011-05330</b>	E E200036	WJAR Licensee, LLC	
Registration			10/11/2018 - 10/11/2033
Grant of Authority			Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 23 Kenney Drive, Providence, Cranston, RI  
 41 ° 44 ' 30.60 " N LAT. 71 ° 27 ' 15.90 " W LONG.

ANTENNA ID: 1	3.1 meters Patriot	PRT-310
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
ANTENNA ID: 2	5 meters DH	50DH1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
ANTENNA ID: 3	3.8 meters Comtech	3.8M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
ANTENNA ID: 4	3.8 meters Patriot	3.8M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data

**Points of Communication:**

1 - PERMITTED LIST - ()



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**SES-REG-20181011-05331** E E200037 KHGI Licensee, LLC  
Registration 10/11/2018 - 10/11/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1078 25th Road, Kearney, Axtell  
40 ° 29 ' 35.00 " N LAT. 99 ° 4 ' 59.10 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew ESA45  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 2 3.7 meters DH 37DH1  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181011-05333** E E200039 Mahaska Communication Group LLC  
Registration 10/11/2018 - 10/11/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 210 South D ST, United States, Oskaloosa, IA  
41 ° 17 ' 38.28 " N LAT. 92 ° 38 ' 52.27 " W LONG.

ANTENNA ID: 1 4.5 meters Superior Satellite Engineers Series 8345  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog Video with associated subcarriers

ANTENNA ID: 2 3.7 meters PRODELIN Series 1374-1375  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog Video with associated subcarriers

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181011-05335** E E200041 WPEC Licensee, LLC  
Registration 10/11/2018 - 10/11/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1100 Fairfield Drive, Palm Beach, West Palm Beach, FL  
26 ° 45 ' 37.80 " N LAT. 80 ° 4 ' 9.60 " W LONG.

ANTENNA ID: 1 3.5 meters Prodelin PRO3.5  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181011-05337** E E200043 Results Broadcasting of Iron Mountain, Inc.  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 212 West J Street, Dickinson, Iron Mountain, MI  
45 ° 48 ' 35.52 " N LAT. 88 ° 4 ' 11.14 " W LONG.

ANTENNA ID: 1 3.7 meters DawnCo D37F48-4PC-5.5  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Modulation for Audio and Video Services

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181011-05338** E E200044 WMMP Licensee L.P.  
Registration 10/11/2018 - 10/11/2033  
Grant of Authority Date Effective: 02/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 888 Allbritton Blvd, Charleston, Mount Pleasant, SC  
32 ° 48 ' 30.30 " N LAT. 79 ° 52 ' 19.20 " W LONG.

ANTENNA ID: 1 3 meters Unimesh 10AL  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 2 3.8 meters DH 38DH1

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3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
ANTENNA ID: 3	1.8 meters Channel Master	Type 183
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20181011-05340</b>	E E200046	KEYE Licensee, LLC	10/11/2018 - 10/11/2033
Registration			Date Effective: 02/18/2020
Grant of Authority			
<b>Class of Station:</b>	Fixed Earth Stations		
<b>Nature of Service:</b>	Fixed Satellite Service		
SITE ID:	1		
LOCATION:	10700 Metric Blvd, Travis, Austin, TX 30 ° 23 ' 12.70 " N LAT. 97 ° 42 ' 42.10 " W LONG.		
ANTENNA ID: 1	6.1 meters	Vertex	VER6.1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data	

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20181011-05345</b>	E E200051	KHGI Licensee, LLC	10/11/2018 - 10/11/2033
Registration			Date Effective: 02/19/2020
Grant of Authority			
<b>Class of Station:</b>	Fixed Earth Stations		
<b>Nature of Service:</b>	Fixed Satellite Service		
SITE ID:	KHGI Site 2		
LOCATION:	1078 25th Road, Kearney, Axtell, NE 40 ° 29 ' 36.70 " N LAT. 99 ° 5 ' 1.40 " W LONG.		
ANTENNA ID: 1	7.3 meters	Prodelin	CN138-750-01
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data	

**Points of Communication:**

KHGI Site 2 - PERMITTED LIST - ()

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**SES-REG-20181011-05356** E E200062 Sander Operating Co. I LLC

Registration

10/11/2018 - 10/11/2033

Grant of Authority

Date Effective: 02/19/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Louisville

LOCATION: 520 W. Chestnut Street, Jefferson, Louisville, KY

38 ° 14 ' 56.00 " N LAT.

85 ° 45 ' 38.00 " W LONG.

ANTENNA ID: a 7.3 meters Andrew ESA73-046

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: b 4.5 meters Andrew ESA45-46A

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: c 5.6 meters Andrew 5.6m

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: d 5.6 meters Andrew 5.6m

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: e 5.6 meters Andrew 5.6m

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: f 3.8 meters Patriot PRT-380

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: g 3.8 meters Comtech COM38M

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

Louisville - PERMITTED LIST - ()

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**SES-REG-20181011-05379** E E200084 KAAL-TV, LLC

Registration

10/09/2018 - 10/09/2033

Grant of Authority

Date Effective: 02/24/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KAAL-AUSTIN  
 LOCATION: 1701 10TH PLACE NE, MOWER, AUSTIN, MN  
 43 ° 40 ' 32.40 " N LAT. 92 ° 57 ' 8.40 " W LONG.

ANTENNA ID: KAAL AUST 3.7 meters UNIMESH 3.7  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL VIDEO, AUDIO, DATA

**Points of Communication:**

KAAL-AUSTIN - PERMITTED LIST - ()

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**SES-REG-20181011-05380** E E200085 Northwest Community Communications, Inc.  
 Registration 10/11/2018 - 10/11/2033  
 Grant of Authority Date Effective: 02/24/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Amery Head End  
 LOCATION: 631 Development BLVD, Polk, Amery, WI  
 45 ° 18 ' 36.00 " N LAT. 92 ° 20 ' 32.00 " W LONG.

ANTENNA ID: 5M 5 meters Microdyne SATRO-5M  
 3700.0000 - 4200.0000 MHz 36M0G7D Video  
 ANTENNA ID: 46M 4.6 meters Scientific Atlanta 4.6  
 3700.0000 - 4200.0000 MHz 36M0G7D Video

**Points of Communication:**

Amery Head End - PERMITTED LIST - ()

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**SES-REG-20181011-05381** E E200086 Davidson County Broadcasting Company  
 Registration 10/10/2018 - 10/10/2033  
 Grant of Authority Date Effective: 02/24/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Main Studio  
 LOCATION: 200 Radio Drive Lexington, NC, Davidson, lexington, NC  
 35 ° 50 ' 4.80 " N LAT. 80 ° 14 ' 3.00 " W LONG.

ANTENNA ID: 12M 10 meters Harris C-10  
 3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW digital radio

**Points of Communication:**

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Main Studio - PERMITTED LIST - ()

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**SES-REG-20181011-05382** E E200087 New Age Media of Pennsylvania License, LLC  
Registration 10/11/2018 - 10/11/2033  
Grant of Authority Date Effective: 02/24/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WOLF Studio  
LOCATION: 1181 Highway 315, Luzerne, Wilkes-Barre, PA  
41 ° 15 ' 37.15 " N LAT. 75 ° 49 ' 3.91 " W LONG.

ANTENNA ID: 3	3 meters	Patriot.	PRT300
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video and Data
ANTENNA ID: 1	5 meters	DH	DHM5.0
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video and Data
ANTENNA ID: 2	3.8 meters	Patriot	PRT380
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video and Data
ANTENNA ID: 4	3.8 meters	DH	DHM3.8
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video and Data
ANTENNA ID: 5	4.5 meters	AFC	AFCM4.5
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video and Data
ANTENNA ID: 6	3.8 meters	Miralite	MRLM3.8
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video and Data

**Points of Communication:**

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WOLF Studio - PERMITTED LIST - ()

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**SES-REG-20181011-05383** E E200088 The Southern Kansas Telephone Company, Inc.  
Registration 10/11/2018 - 10/11/2033  
Grant of Authority Date Effective: 02/24/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Clearwater Headend  
LOCATION: 9951 S. 135th St. W., Sedgwick, Clearwater, KS  
37 ° 30 ' 44.02 " N LAT. 97 ° 29 ' 54.25 " W LONG.

ANTENNA ID:	1	4.5 meters	SES	45-4-1-B
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Modulation and Services Analog Video with associated subcarriers
ANTENNA ID:	2-7	3.8 meters	Patriot	Comm 3.8M Az-El
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Modulation and Services Analog Video with associated subcarriers

**Points of Communication:**

Clearwater Headend - PERMITTED LIST - ()

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<b>SES-RWL-20200213-00166</b>	E	E050091	Ohio University	
Renewal				04/05/2020 - 04/05/2035
Grant of Authority				Date Effective: 02/24/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
 LOCATION: 9 SOUTH COLLEGE STREET (WOUB-FM), ATHENS, ATHENS, OH  
 39 ° 19 ' 41.20 " N LAT. 82 ° 6 ' 1.50 " W LONG.

ANTENNA ID:	1	3.7 meters	PRODELIN	136-750
	3700.0000 - 4200.0000 MHz		30K0F1D	DIGITAL AUDIO CARRIER
	3700.0000 - 4200.0000 MHz		10M3G7W	DIGITAL BROADCAST AUDIO CARRIER

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-RWL-20200214-00157</b>	E	E950149	RigNet SatCom, Inc.	
Renewal				05/05/2020 - 05/05/2035
Grant of Authority				Date Effective: 02/18/2020

**Class of Station:** VSAT Network

**Nature of Service:** Fixed Satellite Service

SITE ID: 2-REMOTE  
 LOCATION: 58 INVERNESS DRIVE EAST (.98M. VSAT), CONUS, 1200 UNITS

ANTENNA ID:	2	0.98 meters	PRODELIN	1981 .98M.
	14000.0000 - 14500.0000 MHz		19K2G7D	38.16 dBW
				19.2 KBPS, DPSK, FEC EQUALS ONE QUARTER
	14000.0000 - 14500.0000 MHz		38K4G7D	38.16 dBW
				38.4 KBPS, DPSK, FEC EQUALS ONE HALF

14000.0000 - 14500.0000 MHz	76K8G7D	38.16 dBW	76.8 KBPS, MSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	38K4G7D	38.16 dBW	38.4 KBPS, MSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	64KG7D		64 KBPS, DPSK, FEC EQUALS ONE QUARTER
11700.0000 - 12200.0000 MHz	1M02G7D		1024 KBPS, QPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	256KG7D		256 KBPS, BPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	128KG7D		128 KBPS, BPSK, FEC EQUALS ONE HALF

SITE ID: 3-REMOTE  
LOCATION: 58 INVERNESS DRIVE EAST (1.2M. VSAT), CONUS, (5000 UNITS)

ANTENNA ID: 3	1.2 meters	PRODELIN	1123 1.2M.
14000.0000 - 14500.0000 MHz	19K2G7D	39.92 dBW	19.2 KBPS, DPSK, FEC EQUALS ONE QUARTER
14000.0000 - 14500.0000 MHz	38K4G7D	39.92 dBW	38.4 KBPS, DPSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	76K8G7D	39.92 dBW	76.8 KBPS, MSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	38K4G7D	39.92 dBW	38.4 KBPS, MSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	112KG7D	43.20 dBW	
11700.0000 - 12200.0000 MHz	64KG7D		64 KBPS, DPSK, FEC EQUALS ONE QUARTER
11700.0000 - 12200.0000 MHz	1M02G7D		1024 KBPS, QPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	256KG7D		256 KBPS, BPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	128KG7D		128 KBPS, BPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	112KG7D		
11700.0000 - 12200.0000 MHz	1M54G7D		
11700.0000 - 12200.0000 MHz	24M0F3F		
11700.0000 - 12200.0000 MHz	5M40G7D		



SITE ID: 4-REMOTE  
 LOCATION: 58 INVERNESS DRIVE EAST (1.2M. VSAT), CONUS, (5000 UNITS)

ANTENNA ID:	4	1.2 meters	PRODELIN	1123 1.2M.
14000.0000 - 14500.0000 MHz	112KG7D	43.20 dBW		
14000.0000 - 14500.0000 MHz	19K2G7D	39.92 dBW		19.2 KBPS, DPSK, FEC EQUALS ONE QUARTER
14000.0000 - 14500.0000 MHz	38K4G7D	39.92 dBW		38.4 KBPS, DPSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	76K8G7D	39.92 dBW		76.8 KBPS, MSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	38K4G7D	39.92 dBW		38.4 KBPS, MSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	112KG7D			
11700.0000 - 12200.0000 MHz	1M54G7D			
11700.0000 - 12200.0000 MHz	24M0F3F			
11700.0000 - 12200.0000 MHz	5M40G7D			
11700.0000 - 12200.0000 MHz	64KG7D			64 KBPS, DPSK, FEC EQUALS ONE QUARTER
11700.0000 - 12200.0000 MHz	1M02G7D			1024 KBPS, QPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	256KG7D			256 KBPS, BPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	128KG7D			128 KBPS, BPSK, FEC EQUALS ONE HALF

SITE ID: 1-HUB  
 LOCATION: 58 INVERNESS DRIVE EAST (6.1M. HUB), ARAPAHOE, ENGLEWOOD, CO  
 39 ° 34 ' 33.00 " N LAT. 104 ° 51 ' 16.00 " W LONG.

ANTENNA ID:	1	6.1 meters	VERTEX	6.1 KPK
14000.0000 - 14500.0000 MHz	1M54G7D	60.10 dBW		
14000.0000 - 14500.0000 MHz	24M0F3F	69.40 dBW		
14000.0000 - 14500.0000 MHz	112KG7D	44.60 dBW		
14000.0000 - 14500.0000 MHz	128KG7D	49.10 dBW		128 KBPS, BPSK, FEC EQUALS ONE HALF

14000.0000 - 14500.0000 MHz	256KG7D	51.03 dBW	256 KBPS, BPSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	5M40G7D	60.10 dBW	
14000.0000 - 14500.0000 MHz	64KG7D	40.75 dBW	64 KBPS, DPSK, FEC EQUALS ONE QUARTER
14000.0000 - 14500.0000 MHz	1M01F7D	57.61 dBW	1024 KBPS, QPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	112KG7D		
11700.0000 - 12200.0000 MHz	19K2G7D		19.2 KBPS, DPSK, FEC EQUALS ONE QUARTER
11700.0000 - 12200.0000 MHz	38K4G7D		38.4 KBPS, DPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	76K8G7D		76.8 KBPS, MSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	38K4G7D		38.4 KBPS, MSK, FEC EQUALS ONE HALF

SITE ID: 5-REMOTE

LOCATION: 58 INVERNESS DRIVE EAST (1.8M. VSAT), CONUS, (3000 UNITS)

ANTENNA ID: 5                      1.8 meters                      PRODELIN                      1184 1.8M.

14000.0000 - 14500.0000 MHz	112KG7D	43.20 dBW	
14000.0000 - 14500.0000 MHz	19K2G7D	43.44 dBW	19.2 KBPS, DPSK, FEC EQUALS ONE QUARTER
14000.0000 - 14500.0000 MHz	38K4G7D	43.44 dBW	38.4 KBPS, DPSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	76K8G7D	43.44 dBW	76.8 KBPS, MSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	38K4G7D	43.44 dBW	38.4 KBPS, MSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	112KG7D		
11700.0000 - 12200.0000 MHz	1M54G7D		
11700.0000 - 12200.0000 MHz	24M0F3F		
11700.0000 - 12200.0000 MHz	5M40G7D		
11700.0000 - 12200.0000 MHz	64KG7D		64 KBPS, DPSK, FEC EQUALS ONE QUARTER

11700.0000 - 12200.0000 MHz	1M02G7D	1024 KBPS, QPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	256KG7D	256 KBPS, BPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	128KG7D	128 KBPS, BPSK, FEC EQUALS ONE HALF

SITE ID: 6-REMOTE  
LOCATION: 58 INVERNESS DRIVE EAST (1.8M. VSAT), CONUS, (3000 UNITS)

ANTENNA ID: 6	1.8 meters	PRODELIN	68 M SERIES
14000.0000 - 14500.0000 MHz	112KG7D	46.60 dBW	56 KBPS 1/2 RATE FEC BPSK
14000.0000 - 14500.0000 MHz	19K2G7D	43.44 dBW	19.2 KBPS, DPSK, FEC EQUALS ONE QUARTER
14000.0000 - 14500.0000 MHz	38K4G7D	43.44 dBW	38.4 KBPS, DPSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	76K8G7D	43.44 dBW	76.8 KBPS, MSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	38K4G7D	43.44 dBW	38.4 KBPS, MSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	5M40G7D		6750 KBPS QPSK
11700.0000 - 12200.0000 MHz	1M54G7D		1544 KPBS LATA 1/2 RATE FEC QPSK
11700.0000 - 12200.0000 MHz	112KG7D		56 KBPS 1/2 RATE FEC DPSK OR BPSK
11700.0000 - 12200.0000 MHz	24M0F3F		ANALOG VIDEO FREQUENCY MODULATION
11700.0000 - 12200.0000 MHz	64KG7D		64 KBPS, DPSK, FEC EQUALS ONE QUARTER
11700.0000 - 12200.0000 MHz	1M02G7D		1024 KBPS, QPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	256KG7D		256 KBPS, BPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	128KG7D		128 KBPS, BPSK, FEC EQUALS ONE HALF

SITE ID: 7-REMOTE  
LOCATION: 58 INVERNESS DRIVE EAST (2.4M. VSAT), CONUS, (500 UNITS)

ANTENNA ID: 7	2.4 meters	PRODELIN	1251 2.4M.
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14000.0000 - 14500.0000 MHz	128KG7D	50.10 dBW	
14000.0000 - 14500.0000 MHz	112KG7D	49.60 dBW	
14000.0000 - 14500.0000 MHz	256KG7D	51.10 dBW	
14000.0000 - 14500.0000 MHz	19K2G7D	45.94 dBW	19.2 KBPS, DPSK, FEC EQUALS ONE QUARTER
14000.0000 - 14500.0000 MHz	38K4G7D	45.94 dBW	38.4 KBPS, DPSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	76K8G7D	45.94 dBW	76.8 KBPS, MSK, FEC EQUALS ONE HALF
14000.0000 - 14500.0000 MHz	38K4G7D	45.94 dBW	38.4 KBPS, MSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	112KG7D		
11700.0000 - 12200.0000 MHz	64KG7D		64 KBPS, DPSK, FEC EQUALS ONE QUARTER
11700.0000 - 12200.0000 MHz	1M02G7D		1024 KBPS, QPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	256KG7D		256 KBPS, BPSK, FEC EQUALS ONE HALF
11700.0000 - 12200.0000 MHz	128KG7D		128 KBPS, BPSK, FEC EQUALS ONE HALF

**Points of Communication:**

- 1-HUB - PERMITTED LIST - ()
- 2-REMOTE - PERMITTED LIST - ()
- 3-REMOTE - PERMITTED LIST - ()
- 4-REMOTE - PERMITTED LIST - ()
- 5-REMOTE - PERMITTED LIST - ()
- 6-REMOTE - PERMITTED LIST - ()
- 7-REMOTE - PERMITTED LIST - ()

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**SES-RWL-20200219-00175**    E E950183    Board of Trustees, University of Florida  
 Renewal    04/07/2020 - 04/07/2035  
 Grant of Authority    Date Effective:    02/20/2020

**Class of Station:**    Fixed Earth Stations

**Nature of Service:**    Domestic Fixed Satellite Service

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SITE ID: 1  
LOCATION: 204 TIGERT HALL, GAINESVILLE, FL  
29 ° 39 ' 20.00 " N LAT. 82 ° 19 ' 38.00 " W LONG.

ANTENNA ID: 1 4.5 meters SCIENTIFIC ATLANTA 8345  
14000.0000 - 14500.0000 MHz 1M98G7W 59.30 dBW  
11700.0000 - 12200.0000 MHz 1M98G7W

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20200220-00172** E E950172 Comcast Cable Communications Management, LLC  
Renewal 03/31/2020 - 03/31/2035  
Grant of Authority Date Effective: 02/21/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: 7235 W. TITAN ROAD, DOUGLAS, TITAN (#10), CO  
39 ° 30 ' 51.00 " N LAT. 105 ° 1 ' 27.50 " W LONG.

ANTENNA ID: 1 7 meters SCIENTIFIC-ATLANTA 8010K  
14000.0000 - 14500.0000 MHz 36M0F8W 78.00 dBW  
14000.0000 - 14500.0000 MHz 36M0F9W 78.00 dBW  
14000.0000 - 14500.0000 MHz 36M0G7W 78.00 dBW

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20200220-00173** E E950173 Comcast Cable Communications Management, LLC  
Renewal 03/31/2020 - 03/31/2035  
Grant of Authority Date Effective: 02/20/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: 7235 W. TITAN ROAD, DOUGLAS, TITAN (#11), CO  
39 ° 30 ' 51.00 " N LAT. 105 ° 1 ' 27.00 " W LONG.

ANTENNA ID: 1 7 meters SCIENTIFIC-ATLANTA 8010K  
14000.0000 - 14500.0000 MHz 36M0F8W 78.00 dBW

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14000.0000 - 14500.0000 MHz      36M0F9W      78.00 dBW

14000.0000 - 14500.0000 MHz      36M0G7W      78.00 dBW

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-STA-20200129-00108**    E    E050287      SES Americom, Inc.

Special Temporary Authority

Grant of Authority

Date Effective:    02/19/2020

**Class of Station:**

On February 19, 2020, SES Americom, Inc. was granted special temporary authority for 30 days, beginning February 19, 2020, to operate its fixed earth station in Mt. Airy, MD to provide telemetry, tracking and command (TT&C) services for the NSS-6 satellite at the 86.8° W.L. orbital location in the 11198.0 MHz and 11199.5 MHz (space-to-Earth), and 14496.0 MHz and 14499.0 MHz (Earth-to-space) frequency bands. SES is not seeking U.S. market access for the satellite.

**Points of Communication:**

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**SES-STA-20200130-00123**    E                      Intelsat License LLC

Special Temporary Authority

Grant of Authority

Date Effective:    02/19/2020

**Class of Station:**

On February 19, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning February 19, 2020, to operate a 7.3-meter antenna at its teleport in Paumalu, HI to provide telemetry, tracking, and command (TT&C) services for the HISPASAT 143W-1 satellite during its drift from the 30° W.L. orbital location to the 143° W.L. orbital location in the 2072.7958 MHz (Earth-to-space) and 2251.0 (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20200131-00124**    E    E140121      Intelsat License LLC

Special Temporary Authority

Grant of Authority

Date Effective:    02/19/2020

**Class of Station:**

On February 19, 2020, Intelsat License LLC was granted special temporary authority for 60 days, beginning February 19, 2020, to continue to operate its fixed earth station in Hagerstown, MD to provide telemetry, tracking and command (TT&C) services for the Galaxy 11 (S2253) satellite at the 93.1° W.L. orbital location. TT&C operations will continue to be performed in the 14000.5 MHz and 14498.5 MHz (Earth-to-space), and 11701.0 MHz and 11702.0 MHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20200203-00102**    E    E190489      SES Americom, Inc.

Special Temporary Authority

Grant of Authority

Date Effective:    02/19/2020

**Class of Station:**



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**SES-STA-20200207-00143** E Intelsat License LLC  
Special Temporary Authority  
Grant of Authority Date Effective: 02/24/2020

**Class of Station:**

On February 24, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning February 24, 2020, to operate a 23-cm Ku-band antenna in Melbourne, FL and Hagerstown, MD to conduct antenna verification testing with Galaxy 11 (S2253) satellite at the 44.9° E.L. orbital location in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.18 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20200210-00139** E E060384 Intelsat Satellite LLC  
Special Temporary Authority  
Grant of Authority Date Effective: 02/20/2020

**Class of Station:**

On February 20, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning February 20, 2020, to operate its fixed earth station in Riverside, CA to conduct testing of the HISPASAT 143W-1 satellite at the 143° W.L. orbital location in the 14399-14435 MHz (Earth-to-space) and 11599-11635 MHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20200217-00161** E E990323 Intelsat License LLC  
Special Temporary Authority  
Grant of Authority Date Effective: 02/24/2020

**Class of Station:**

On February 24, 2020, Intelsat License LLC was granted special temporary authority for 30 days, to provide back-up telemetry, tracking and command services for HYLAS-1 satellite on-station at the 79.0° W.L. orbital location using center frequencies: 17302.048 MHz and 17305.051 MHz (Earth-to-space); and 11701.008 MHz and 11702.808 MHz (space-to-Earth) from its Castle Rock, CO fixed earth station via Intelsat's KA258 earth station in Hagerstown, MD.

**Points of Communication:**

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**CORRECTIONS**

**SES-LIC-20170807-00876** E170151 HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00877** E170152 HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00878** E170153 HNS License Sub, LLC



**CORRECTIONS**

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00879**            E170154            HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00880**            E170155            HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00881**            E170156            HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00882**            E170157            HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00883**            E170158            HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00884**            E170159            HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00885**            E170160            HNS License Sub, LLC

**CORRECTIONS**

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00886**                      E170161                      HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00887**                      E170162                      HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00888**                      E170163                      HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00889**                      E170164                      HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00890**                      E170165                      HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00891**                      E170166                      HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00892**                      E170167                      HNS License Sub, LLC

## CORRECTIONS

The February 19, 2020 public notice is corrected the read as follows:

### INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00893**            E170168            HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

### INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00894**            E170169            HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

### INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

**SES-LIC-20170807-00895**            E170170            HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

### INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

### Dismissal

**SES-REG-20200219-00170**            E200626            Selective TV, Inc.

This application is dismissed pursuant to the temporary freeze on applications for new or modified FSS earth stations announced in Temporary Freeze on Applications for New or Modified Fixed Satellite Service Earth Stations and Fixed Microwave Stations in the 3.7-4.2 GHz Band; 90-Day Window to File Applications for Earth Stations Currently Operating in 3.7-4.2 GHz Band, Public Notice, 33 FCC Rcd. 3841 (IB/PSHSB/WTB 2018).

## SURRENDER

**SES-MOD-20130313-00247**            E900471            U.S. Satellite Corporation

License surrendered by letter filed on February 18, 2020.

**SES-MOD-20130313-00266**            E870499            U.S. Satellite Corporation

License surrendered by letter filed on February 18, 2020.

**SES-MOD-20130313-00267**            E2595            U.S. Satellite Corporation

License surrendered by letter filed on February 18, 2020.

**SES-MOD-20150302-00105**            E900470            U.S. Satellite Corporation

License surrendered by letter filed on February 18, 2020.

**SES-RWL-20190128-00018**            E030277            U.S. Satellite Corporation

License surrendered by letter filed on February 18, 2020.

For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 1-888-835-5322.