



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
445 12th STREET S.W.
WASHINGTON D.C. 20554

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Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)
TTY (202) 418-2555

Report No. SES-02173

Wednesday June 19, 2019

Satellite Communications Services Information re: Actions Taken

The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective dates of the actions are the dates specified.

SES-MOD-20180622-01818	E	E950381	KXTV, LLC	
Application for Modification				06/19/2005 - 06/19/2020
Grant of Authority				Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 400 BROADWAY, SACRAMENTO, SACRAMENTO, CA
38 ° 33 ' 55.56 " N LAT. 121 ° 30 ' 31.49 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-46A
		3700.0000 - 4200.0000 MHz	36M0F8W	NULL
ANTENNA ID:	2	3.7 meters	PRODELIN	1374
		3700.0000 - 4200.0000 MHz	36M0F8W	NULL
ANTENNA ID:	3	7.5 meters	VIKING SATCOM	VS-750DAKP
		3700.0000 - 4200.0000 MHz	36M0F8W	NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180628-01814 E E910649 Gray Television Licensee, LLC
Application for Modification 05/01/2018 - 05/01/2033
Grant of Authority Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1801 HALSTEAD BLVD., Leon, Tallahassee, FL
30 ° 30 ' 9.89 " N LAT. 84 ° 14 ' 48.48 " W LONG.

ANTENNA ID:	1	4.6 meters	Andrew Corp.	ESA46-124
14000.0000 - 14500.0000 MHz	36M0F3F	72.40 dBW	VIDEO/AUDIO	
11700.0000 - 12200.0000 MHz	36M0F3F	VIDEO/AUDIO		

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180806-02781 E E050315 Gray Television Licensee, LLC
Application for Modification 12/05/2005 - 12/05/2020
Grant of Authority Date Effective: 06/13/2019

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1709 STUART AVENUE COLUMBUS, DOUGHERTY, GA 31707, VARIOUS

ANTENNA ID:	1	2.4 meters	ANDREW CORPORATION	ESA24SNG-LTE-25
14000.0000 - 14500.0000 MHz	10M0G7W	68.60 dBW	DIGITAL MCPC	
11700.0000 - 12200.0000 MHz	10M0G7W	DIGITAL MCPC		

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180810-02283 E E860408 Cox Communications California, LLC
Application for Modification 05/02/2006 - 05/02/2021
Grant of Authority Date Effective: 06/14/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 22 SOUTH FAIRVIEW AVEUNE, GOLETA, SANTA BARBARA, CA
34 ° 26 ' 19.40 " N LAT. 119 ° 49 ' 47.20 " W LONG.

ANTENNA ID:	4.5AN	4.5 meters	ANDREW CORPORATION	ESA45-4
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180817-02782	E	E180605	Gray Television Licensee, LLC	
Application for Modification				05/31/2018 - 05/31/2033
Grant of Authority				Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 5600 Avenue A, Lubbock, Lubbock, TX
33 ° 32 ' 38.40 " N LAT. 101 ° 50 ' 9.40 " W LONG.

ANTENNA ID:	Lubbock	10 meters	SCIENTIFIC-ATLANTA	10 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	9	3.8 meters	COMTECH	3.8M. INCLINED ORBIT
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	8	3.8 meters	COMTECH	3.8M. INCLINED ORBIT
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	4	4.6 meters	SCIENTIFIC-ATLANTA	SERIES 8346
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190403-00428	E	E080030	Ligado Networks Subsidiary LLC	
Application for Modification				10/27/2008 - 10/27/2023
Grant of Authority				Date Effective: 06/18/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Mobile Satellite Service

SITE ID: Site 1
LOCATION: 961 Anselmo Court, Napa, Napa, CA
38 ° 14 ' 41.50 " N LAT. 122 ° 16 ' 47.50 " W LONG.

ANTENNA ID:	7.3M	7.3 meters	Viasat	7.3 Meter
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13248.0000 - 13250.0000 MHz	1M20G7D	82.50 dBW	Digital Data Carrier
13240.5000 - 13245.5000 MHz	N0N	82.50 dBW	CW
12780.0000 - 13140.0000 MHz	N0N	68.70 dBW	CW
12780.0000 - 13140.0000 MHz	6K00G7D	28.76 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	312KG7D	56.50 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	1M25G7D	68.70 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	5M00G7D	68.70 dBW	Digital Data Carrier
12750.0000 - 12752.0000 MHz	1M20G7D	82.50 dBW	Digital Data Carrier
11200.0000 - 11450.0000 MHz	312KG7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	6K00G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	N0N		CW
11200.0000 - 11450.0000 MHz	1M25G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	5M00G7D		Digital Data Carrier
11200.0000 - 11205.0000 MHz	1M20G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	312KG7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	6K00G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	N0N		CW
10700.0000 - 10950.0000 MHz	1M25G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	5M00G7D		Digital Data Carrier
ANTENNA ID: L-band 1	0.35 meters	Viasat	Horn antenna
1646.5000 - 1660.5000 MHz	1M25G7D	9.00 dBW	Digital Data Carrier
1646.5000 - 1660.5000 MHz	625KG7D	9.00 dBW	Digital Data Carrier
1646.5000 - 1660.5000 MHz	312KG7D	9.00 dBW	Digital Data Carrier
1626.5000 - 1645.5000 MHz	1M25G7D	9.00 dBW	Digital Data Carrier
1626.5000 - 1645.5000 MHz	625KG7D	9.00 dBW	Digital Data Carrier
1626.5000 - 1645.5000 MHz	312KG7D	9.00 dBW	Digital Data Carrier

	1545.0000 - 1559.0000 MHz	1M25G7D		Digital Data Carrier
	1545.0000 - 1559.0000 MHz	625KG7D		Digital Data Carrier
	1545.0000 - 1559.0000 MHz	312KG7D		Digital Data Carrier
	1525.0000 - 1544.0000 MHz	1M25G7D		Digital Data Carrier
	1525.0000 - 1544.0000 MHz	625KG7D		Digital Data Carrier
	1525.0000 - 1544.0000 MHz	312KG7D		Digital Data Carrier
ANTENNA ID:	L-band 2	0.35 meters	Viasat	Horn antenna
	1646.5000 - 1660.5000 MHz	1M25G7D	9.00 dBW	Digital Data Carrier
	1646.5000 - 1660.5000 MHz	625KG7D	9.00 dBW	Digital Data Carrier
	1646.5000 - 1660.5000 MHz	312KG7D	9.00 dBW	Digital Data Carrier
	1626.5000 - 1645.5000 MHz	1M25G7D	9.00 dBW	Digital Data Carrier
	1626.5000 - 1645.5000 MHz	625KG7D	9.00 dBW	Digital Data Carrier
	1626.5000 - 1645.5000 MHz	312KG7D	9.00 dBW	Digital Data Carrier
	1545.0000 - 1559.0000 MHz	1M25G7D		Digital Data Carrier
	1545.0000 - 1559.0000 MHz	625KG7D		Digital Data Carrier
	1545.0000 - 1559.0000 MHz	312KG7D		Digital Data Carrier
	1525.0000 - 1544.0000 MHz	1M25G7D		Digital Data Carrier
	1525.0000 - 1544.0000 MHz	625KG7D		Digital Data Carrier
	1525.0000 - 1544.0000 MHz	312KG7D		Digital Data Carrier
ANTENNA ID:	11.3M - 2	11.3 meters	Viasat	11.3 Meter
	13248.0000 - 13250.0000 MHz	1M20G7D	85.00 dBW	Digital Data Carrier
	13240.5000 - 13245.5000 MHz	N0N	85.00 dBW	CW
	12780.0000 - 13140.0000 MHz	6K00G7D	32.26 dBW	Digital Data Carrier
	12780.0000 - 13140.0000 MHz	312KG7D	60.00 dBW	Digital Data Carrier
	12780.0000 - 13140.0000 MHz	N0N	71.20 dBW	CW
	12780.0000 - 13140.0000 MHz	1M25G7D	71.20 dBW	Digital Data Carrier

12780.0000 - 13140.0000 MHz	5M00G7D	71.20 dBW	Digital Data Carrier
12750.0000 - 12752.0000 MHz	1M20G7D	85.00 dBW	Digital Data Carrier
11200.0000 - 11450.0000 MHz	312KG7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	6K00G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	N0N		CW
11200.0000 - 11450.0000 MHz	1M25G7D		Digital Data Carrier
11200.0000 - 11450.0000 MHz	5M00G7D		Digital Data Carrier
11200.0000 - 11205.0000 MHz	1M20G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	312KG7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	6K00G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	N0N		CW
10700.0000 - 10950.0000 MHz	1M25G7D		Digital Data Carrier
10700.0000 - 10950.0000 MHz	5M00G7D		Digital Data Carrier
11700.5000 - 11700.5000 MHz	138KGXD		Satellite Telemetry Channel
11701.0000 - 11700.1000 MHz	138KGXD		Satellite Telemetry Channel
14000.5000 - 14000.5000 MHz	700KF9D	85.00 dBW	Satellite Command Channel
14499.5000 - 14499.5000 MHz	700KF9D	85.00 dBW	Satellite Command Channel
ANTENNA ID: 11.3M -1	11.3 meters	Viasat	11.3 Meter
13248.0000 - 13250.0000 MHz	1M20G7D	85.00 dBW	Digital Data Carrier
13240.5000 - 13245.5000 MHz	N0N	85.00 dBW	CW
12780.0000 - 13140.0000 MHz	6K00G7D	32.26 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	312KG7D	60.00 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	N0N	71.20 dBW	CW
12780.0000 - 13140.0000 MHz	1M25G7D	71.20 dBW	Digital Data Carrier
12780.0000 - 13140.0000 MHz	5M00G7D	71.20 dBW	Digital Data Carrier
12750.0000 - 12752.0000 MHz	1M20G7D	85.00 dBW	Digital Data Carrier

11200.0000 - 11450.0000 MHz	312KG7D	Digital Data Carrier
11200.0000 - 11450.0000 MHz	6K00G7D	Digital Data Carrier
11200.0000 - 11450.0000 MHz	N0N	CW
11200.0000 - 11450.0000 MHz	1M25G7D	Digital Data Carrier
11200.0000 - 11450.0000 MHz	5M00G7D	Digital Data Carrier
11200.0000 - 11205.0000 MHz	1M20G7D	Digital Data Carrier
10700.0000 - 10950.0000 MHz	312KG7D	Digital Data Carrier
10700.0000 - 10950.0000 MHz	6K00G7D	Digital Data Carrier
10700.0000 - 10950.0000 MHz	N0N	CW
10700.0000 - 10950.0000 MHz	1M25G7D	Digital Data Carrier
10700.0000 - 10950.0000 MHz	5M00G7D	Digital Data Carrier

Points of Communication:

Site 1 - MSAT-1 - (107.5)

Site 1 - MSAT-2 (AMSC-1) - (106.5 W.L.)

Site 1 - SKYTERRA 1 - (101.3 W.L.)

Site 1 - SKYTERRA 1 - (101.3 W.L.)

SES-REG-20180521-00875	E E180454	Leighton Enterprises, Inc.	05/21/2018 - 05/21/2033
Registration			Date Effective: 06/11/2019
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1185 9th St. NE, Grand Forks, Thompson, ND
47 ° 50 ' 38.00 " N LAT.

97 ° 50 ' 38.00 " W LONG.

ANTENNA ID: 1 3.7 meters Prime Focus P370FAE

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180801-03398 E E181991 CD Broadcasting, Inc.

Registration

08/01/2018 - 08/01/2033

Grant of Authority

Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: One

LOCATION: 1509 4th Street, NE, Franklin, Hampton, IA

42 ° 45 ' 23.10 " N LAT.

93 ° 12 ' 7.50 " W LONG.

ANTENNA ID: One

2.45 meters

Unimesh

8 foot Mesh

3700.0000 - 4200.0000 MHz

36M0G7W

Digital modulation of media content at
varying data rates and FEC

Points of Communication:

One - PERMITTED LIST - ()

SES-REG-20180801-03399 E E181992 Harbit Communications, Inc.

Registration

08/01/2018 - 08/01/2033

Grant of Authority

Date Effective: 06/14/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 414 E. Walnut Street (KNEM/KNMO Studio), Vernon, Nevada, MO

37 ° 50 ' 19.00 " N LAT.

94 ° 21 ' 7.00 " W LONG.

ANTENNA ID: One

3.8 meters

Comtech

3800

3700.0000 - 4200.0000 MHz

36M0G7W

Digital modulation of media content at
varying data rates and FEC

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180801-03400 E E181993 MATRIX BROADCASTING LLC

Registration

08/01/2018 - 08/01/2033

Grant of Authority

Date Effective: 06/14/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: One

LOCATION: 8800 US Highway 14, McHenry, Crystal Lake, IL

42 ° 15 ' 21.40 " N LAT.

88 ° 22 ' 7.20 " W LONG.

ANTENNA ID: One

3.8 meters

DH

38DH1

3700.0000 - 4200.0000 MHz	36M0G7W	Digital modulation of media content at varying data rates and FEC
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Points of Communication:

One - PERMITTED LIST - ()

SES-REG-20180801-03402	E	E181995	Your Christian Companion Network, Inc.	
Registration				08/01/2018 - 08/01/2033
Grant of Authority				Date Effective: 06/14/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: One

LOCATION: 9019 West Lane, San Joaquin, Stockton, CA
38 ° 1 ' 48.00 " N LAT.

121 ° 17 ' 51.50 " W LONG.

ANTENNA ID: One 3 meters Unimesh 3000M

3700.0000 - 4200.0000 MHz	36M0G7W	Digital modulation of media content at varying data rates and FEC
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Points of Communication:

One - PERMITTED LIST - ()

SES-REG-20180801-03403	E	E181996	M.K.S. Broadcasting, Inc.	
Registration				08/01/2018 - 08/01/2033
Grant of Authority				Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 804 Saint Joe Drive (KFMO), St. Francois, Park Hills, MO
37 ° 51 ' 21.33 " N LAT.

90 ° 30 ' 15.00 " W LONG.

ANTENNA ID: One 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz	36M0G7W	Digital modulation of media content at varying data rates and FEC
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Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180807-03401	E	E181994	Ventana Television, Inc.	
Registration				08/07/2018 - 08/07/2033
Grant of Authority				Date Effective: 06/14/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1800 BRIARCLIFF RD, DEKALB, ATLANTA, GA
33 ° 48 ' 25.44 " N LAT. 84 ° 20 ' 23.85 " W LONG.

ANTENNA ID: ANT 1 3 meters DH 30DH1
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180807-03409 E E182002 Ventana Television, Inc.
Registration 08/07/2018 - 08/07/2033
Grant of Authority Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1318 Spratley Street, Portsmouth, Portsmouth, VA
36 ° 50 ' 40.00 " N LAT. 76 ° 18 ' 56.70 " W LONG.

ANTENNA ID: ANT 1 3.8 meters PATRIOT PRT-380AZ
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180809-03397 E E181990 Comcast Cable Communications Management, LLC
Registration 08/05/2018 - 08/05/2033
Grant of Authority Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3666 County Rd 300, Garfield, Battlement Mesa, CO
39 ° 25 ' 30.00 " N LAT. 108 ° 2 ' 7.00 " W LONG.

ANTENNA ID: 4M. 4 meters Patriot 4 Meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier
ANTENNA ID: 4.6M. 4.6 meters Scientific Atlanta 8346PF
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180809-03404 E E181997 Vyve Broadband J

Registration

08/07/2018 - 08/07/2033

Grant of Authority

Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations**Nature of Service:** Fixed Satellite Service

SITE ID: Waycross 1

LOCATION: 126 Havanna Ave, Ware, Waycross, GA

31 ° 12 ' 10.90 " N LAT.

82 ° 19 ' 39.40 " W LONG.

ANTENNA ID:	1	2.8 meters	Scientific Atlanta	9000
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video and data
ANTENNA ID:	2	6 meters	Hughes	6m
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video and data
ANTENNA ID:	3	5 meters	Scientific Atlanta	8126
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video and data
ANTENNA ID:	4	3.8 meters	Hughes	3.8
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video and data
ANTENNA ID:	5	4.2 meters	Hughes	4.2
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video and data
ANTENNA ID:	6	4.6 meters	Scientific Atlanta	8346
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video and data

Points of Communication:

Waycross 1 - PERMITTED LIST - ()

SES-REG-20180809-03407 E E182000 Vyve Broadband J

Registration

08/07/2018 - 08/07/2033

Grant of Authority

Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations**Nature of Service:** Fixed Satellite Service

SITE ID: 1
LOCATION: 126 Havanna Ave (Waycross 2), Ware, Waycross, GA
31 ° 12 ' 9.20 " N LAT. 82 ° 19 ' 40.00 " W LONG.

ANTENNA ID:	1	3.6 meters	DH Satellite	3.6m
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video and data
ANTENNA ID:	2	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video and data
ANTENNA ID:	3	4.5 meters	Scientific Atlanta	8345
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video and data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180809-03410	E	E182003	Vyve Broadband J	
Registration				08/07/2018 - 08/07/2033
Grant of Authority				Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: Kinder Mountain Road, Jack, Jacksboro, TX
33 ° 4 ' 4.50 " N LAT. 98 ° 18 ' 5.30 " W LONG.

ANTENNA ID:	1	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video and data
ANTENNA ID:	2	3.8 meters	Prodelin	3.8m
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video and data
ANTENNA ID:	3	5 meters	Scientific Atlanta	8008
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video and data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180809-03411	E	E182004	Vyve Broadband J	
Registration				08/07/2018 - 08/07/2033
Grant of Authority				Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 510 Patterson St, Montague, Bowie, TX
33 ° 33 ' 32.30 " N LAT.

97 ° 49 ' 47.90 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot PRT-380

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video and data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180809-03412 E E182005 Vyve Broadband J

Registration

08/07/2018 - 08/07/2033

Grant of Authority

Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1501 W Mississippi St, Bryan, Durant, OK
33 ° 59 ' 23.90 " N LAT.

96 ° 23 ' 43.00 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot PRT-380

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video and data

ANTENNA ID: 2 3.6 meters Prodelin 3.6m

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video and data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180809-03414 E E182007 Comcast Cable Communications Management, LLC

Registration

08/08/2018 - 08/08/2033

Grant of Authority

Date Effective: 06/12/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 6901 Roseville Road, Sacramento, Sacramento, CA
38 ° 41 ' 33.50 " N LAT.

121 ° 20 ' 44.40 " W LONG.

ANTENNA ID: 3.7M. 3.7 meters Scientific Atlanta 9037

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID:	4.5M.	4.5 meters	Scientific Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180810-03842	E	E190173	Hearst Properties Inc.	
Registration				08/10/2018 - 08/10/2033
Grant of Authority				Date Effective: 06/12/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1918 Mellwood Avenue (WLKY STUDIO), Jefferson, Louisville, KY
38 ° 15 ' 47.30 " N LAT. 85 ° 42 ' 35.20 " W LONG.

ANTENNA ID:	Dish 3	5 meters	Comtech	5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 2	3.1 meters	Patriot	3.1 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 4	3.7 meters	AFC	PR-12
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 5	4.5 meters	EASI	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 6	4.5 meters	EASI	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 7 CBS	4.5 meters	EASI	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish8 MeTV	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180810-03844	E	E190175	Hearst Stations Inc.	
Registration				08/10/2018 - 08/10/2033
Grant of Authority				Date Effective: 06/12/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 8 Freemont Peak (KSBWTOWER), Monterey, San Juan Bautista, CA
36 ° 45 ' 22.60 " N LAT. 121 ° 30 ' 8.00 " W LONG.

ANTENNA ID:	Freemont	3.8 meters	Patriot	3.8 meter
	3700.0000 - 4200.0000 MHz	36M0G7W		Digital video, audio, data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180810-03846	E	E190177	Consolidated Communications Enterprise Services, Inc.	
Registration				08/10/2018 - 08/10/2033
Grant of Authority				Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 5411 Luce Avenue McClellan, USA, Sacramento, CA
38 ° 57 ' 12.90 " N LAT. 94 ° 45 ' 34.20 " W LONG.

ANTENNA ID:	Johnson2	4.2 meters	DAWNco-DH	D42F48-8PC-6.6
	3700.0000 - 4200.0000 MHz	36M0G7W		Analog and digital video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180810-03847	E	E190178	Consolidated Communications Enterprise Services, Inc.	
Registration				08/10/2018 - 08/10/2033
Grant of Authority				Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Johnson1
LOCATION: 5411 Luce Avenue McClellan, USA, Sacramento, CA
38 ° 57 ' 12.90 " N LAT. 94 ° 45 ' 34.20 " W LONG.

ANTENNA ID:	Johnson1	4.5 meters	Scientific Atlanta	8345
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3700.0000 - 4200.0000 MHz	36M0G7W	36M0G7W	Analog and Digital Video
Points of Communication:			
Johnson1 - PERMITTED LIST - ()			
SES-REG-20180810-03856	E E190187	Elko Broadcasting Company	
Registration			08/10/2018 - 08/10/2033
Grant of Authority			Date Effective: 06/13/2019
Class of Station:	Fixed Earth Stations		
Nature of Service:	Fixed Satellite Service		
SITE ID:	1		
LOCATION:	1800 Idaho Street (KELK Studio), Elko, Elko, NV		
	40 ° 50 ' 36.60 " N LAT.	115 ° 45 ' 1.80 " W LONG.	
ANTENNA ID:	1	2.8 meters	Scientific Atlanta 9000
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Data/Digital Audio
Points of Communication:			
1 - PERMITTED LIST - ()			
SES-REG-20180813-03406	E E181999	Noalmark Broadcasting Corp	
Registration			08/08/2018 - 08/08/2033
Grant of Authority			Date Effective: 06/13/2019
Class of Station:	Fixed Earth Stations		
Nature of Service:	Fixed Satellite Service		
SITE ID:	1		
LOCATION:	619 N. Turner St. (Hobbs Site), Lea County, Hobbs, NM		
	32 ° 42 ' 24.52 " N LAT.	103 ° 8 ' 11.67 " W LONG.	
ANTENNA ID:	ANT1	3.7 meters	General Dynamics 1374
3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Modulation and Services Digital Video
3700.0000 - 4200.0000 MHz	36M0F8F	0.00 dBW	Modulation and Services Analog Video with associated subcarriers
Points of Communication:			
1 - PERMITTED LIST - ()			
SES-REG-20180814-03879	E E190211	WVTM Hearst Television Inc.	
Registration			08/14/2018 - 08/14/2033
Grant of Authority			Date Effective: 06/13/2019
Class of Station:	Fixed Earth Stations		

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1732 Valley View Dr. (WVTM STUDIO), Jefferson, Birmingham, AL
33 ° 29 ' 27.30 " N LAT. 86 ° 47 ' 48.60 " W LONG.

ANTENNA ID:	Dish 1	4.5 meters	Patriot	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 2	4.5 meters	Patriot	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 3	3.1 meters	Patriot	3.1 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 4	3.1 meters	Patriot	3.1 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish 5	3.1 meters	Patriot	3.1 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180814-03882	E	E190214	Franklin Telephone Co., Inc.	
Registration				08/13/2018 - 08/13/2033
Grant of Authority				Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 1094 Monroe Rd, Mississippi, Bude, MS
31 ° 27 ' 52.60 " N LAT. 90 ° 50 ' 4.60 " W LONG.

ANTENNA ID:	ANT 1	4.5 meters	unknown	TVRO 4.5
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Modulation and Services Analog Video with associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20180814-03884	E	E190216	Consolidated Communications Enterprise Services, Inc.	
Registration			08/14/2018 - 08/14/2033	
Grant of Authority			Date Effective:	06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 5411 Luce Avenue McClellan, USA, Sacramento, CA
40 ° 54 ' 54.02 " N LAT. 84 ° 3 ' 33.02 " W LONG.

ANTENNA ID:	ColGr1	3.8 meters	Patriot	3.8M.
	3700.0000 - 4200.0000 MHz	36M0G7W		Analog and digital video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180814-03889	E	E190221	WJCL Hearst Television LLC	
Registration			08/14/2018 - 08/14/2033	
Grant of Authority			Date Effective:	06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1698 Fort Argyle Rd (WJCL TOWER), Chatham, Savannah, GA
32 ° 3 ' 29.40 " N LAT. 81 ° 20 ' 19.30 " W LONG.

ANTENNA ID:	Dish TX-1	5 meters	DH Satellite	5 meter
	3700.0000 - 4200.0000 MHz	36M0G7W		Digital video, audio, data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180821-03396	E	E181989	Cox Communications Louisiana, LLC	
Registration			08/01/2018 - 08/01/2033	
Grant of Authority			Date Effective:	06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 41107 Hwy 621, Ascension Parish, Gonzales, LA
30 ° 16 ' 7.90 " N LAT. 90 ° 55 ' 5.20 " W LONG.

ANTENNA ID:	5.0M.	5 meters	Andrew Corporation	8008
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3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
Points of Communication:		
1 - PERMITTED LIST - ()		
SES-REG-20181001-03659	E E190047	KLTV/KTRE License Subsidiary, LLC
Registration		10/01/2018 - 10/01/2033
Grant of Authority		Date Effective: 06/14/2019
Class of Station:	Fixed Earth Stations	
Nature of Service:	Fixed Satellite Service	
SITE ID:	1	
LOCATION:	358 TV Road (KTRE Studio), Angelina, Pollok, TX 31 ° 25 ' 8.50 " N LAT. 94 ° 48 ' 3.30 " W LONG.	
ANTENNA ID:	ABC BU	4.5 meters Andrew ESA45T
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID:	Telemundo	3.8 meters Patriot PRT-380
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
Points of Communication:		
1 - PERMITTED LIST - ()		
SES-REG-20181002-03655	E E190043	WAVE License Subsidiary, LLC
Registration		10/02/2018 - 10/02/2033
Grant of Authority		Date Effective: 06/14/2019
Class of Station:	Fixed Earth Stations	
Nature of Service:	Fixed Satellite Service	
SITE ID:	1	
LOCATION:	725 South Floyd St, Jefferson, Louisville, KY 38 ° 14 ' 38.80 " N LAT. 85 ° 44 ' 55.90 " W LONG.	
ANTENNA ID:	RX2	3.7 meters DH 37DH1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID:	4.5M	4.5 meters Andrew Corporation 4.5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID:	RX3	3.8 meters DH 38DH1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier

ANTENNA ID:	RX4	3.7 meters	DH	37DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181004-03658	E	E190046	KFDA/KEYU License Subsidiary, LLC	
Registration				10/04/2018 - 10/04/2033
Grant of Authority				Date Effective: 06/14/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 7900 Broadway Drive, Potter, Amarillo, TX
35 ° 17 ' 33.30 " N LAT. 101 ° 50 ' 53.00 " W LONG.

ANTENNA ID:	F2	7.3 meters	Andrew	ESA 7.3
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

ANTENNA ID:	F4,F6,F7	5 meters	DH	50DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

ANTENNA ID:	F5	3.7 meters	DH	37DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

ANTENNA ID:	B6	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

ANTENNA ID:	B5	2.8 meters	Scientific Atlanta	9000
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

ANTENNA ID:	B4	3 meters	DH	30DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

ANTENNA ID:	B3	2.4 meters	Prodelin	1241
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

ANTENNA ID:	B1	3 meters	Prodelin	1304
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181006-03656 E E190044 WVUE License Subsidiary, LLC

Registration

10/06/2018 - 10/06/2033

Grant of Authority

Date Effective: 06/14/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1025 S Jefferson Davis Parkway, Orleans, New Orleans, LA

29 ° 57 ' 38.30 " N LAT.

90 ° 6 ' 10.50 " W LONG.

ANTENNA ID:	5M.	5 meters	Patriot	5.0 Commercial
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	CY1 & CY2	4.5 meters	EASi	EASi4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	CY3	4.5 meters	SSE	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	ParkingLot	4.5 meters	SSE	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	Fox Lower	4.5 meters	ASC Signal	ES45P-1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	Bounce	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181006-03657 E E190045 WBTV License Subsidiary, LLC

Registration

10/06/2018 - 10/06/2033

Grant of Authority

Date Effective: 06/14/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: One Julian Price Place, Mecklenburg, Charlotte, NC
35 ° 13 ' 33.70 " N LAT. 80 ° 52 ' 20.70 " W LONG.

ANTENNA ID:	ANT24	10 meters	Scientific Atlanta	8015
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	ANT21&22	7 meters	Scientific Atlanta	8010C
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	ANT23	6 meters	Scientific Atlanta	8060
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	ANT25	4.5 meters	Scientific Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	ANT27	4.5 meters	Andrew	ESA45MPJ
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190507-00571	E	WA33	AT&T Corp.	
Renewal				06/04/2019 - 06/04/2034
Grant of Authority				Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: International Fixed Satellite Service

SITE ID: 1
LOCATION: RD 33, BOX 49, COLUMBIA, ROARING CREEK, PA
40 ° 53 ' 37.50 " N LAT. 76 ° 26 ' 21.80 " W LONG.

ANTENNA ID:	RC1	32 meters	TORONTO IRON WORKS		
	5850.0000 - 6425.0000 MHz		18M0F8W-	85.40 dBW	TV
	5850.0000 - 6425.0000 MHz		36M0F8W	85.40 dBW	TV
	5850.0000 - 6425.0000 MHz		1M13F8W-	71.70 dBW	FDM/FM
	5850.0000 - 6425.0000 MHz		36M0F8W	87.90 dBW	FDM/FM
	5850.0000 - 6425.0000 MHz		30M7G7W	77.00 dBW	TCS-1 CABLE Restoration
	5850.0000 - 6425.0000 MHz		66M8G7W	81.20 dBW	TAT-8/9 CABLE Restoration

5850.0000 - 6425.0000 MHz	72M0G7W	84.80 dBW	TDMA
5850.0000 - 6425.0000 MHz	307KG7W	55.70 dBW	TDMA
5850.0000 - 6425.0000 MHz	614KG7W	55.70 dBW	TDMA
5850.0000 - 6425.0000 MHz	1M23G7W	55.70 dBW	TDMA
5850.0000 - 6425.0000 MHz	38K4G7W	66.50 dBW	SCPC
5850.0000 - 6425.0000 MHz	54K6G7W-	67.50 dBW	IDR
5850.0000 - 6425.0000 MHz	6M84G7W	85.90 dBW	IDR
5850.0000 - 6425.0000 MHz	81K9G7W-	68.00 dBW	IBS
5850.0000 - 6425.0000 MHz	11M2G7W	88.60 dBW	IBS
5850.0000 - 6425.0000 MHz	54K6G7W-	69.60 dBW	IBS
5850.0000 - 6425.0000 MHz	7M44G7W	90.10 dBW	IBS
3625.0000 - 4200.0000 MHz			TV, FDM/FM, TCS-1 CABLE Restoration, TDMA, SCPC, IDR, IBS

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00685	E E7078	NBC Telemundo License LLC	
Renewal			06/29/2019 - 06/29/2034
Grant of Authority			Date Effective: 06/11/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1422 NEW BRITAIN (WVIT), HARTFORD, HARTFORD, CT
41 ° 43 ' 40.00 " N LAT. 72 ° 45 ' 33.00 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
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14000.0000 - 14500.0000 MHz	36M0G7W	78.60 dBW	DIGITAL COMPRESSED VIDEO
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11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL COMPRESSED VIDEO
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Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00686 E E7079 NBC Telemundo License LLC

Renewal

06/29/2019 - 06/29/2034

Grant of Authority

Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service, Fixed Satellite Service

SITE ID: 1

LOCATION: 904 SOUTHSIDE DRIVE, MACON, DECATUR, IL

39 ° 49 ' 28.00 " N LAT.

88 ° 58 ' 5.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz 256KG1W 58.00 dBW QPSK, FEC 3/4, PRIVATE DATA

14000.0000 - 14500.0000 MHz 6M00G1W 59.50 dBW QPSK, FEC 3/4, PRIVATE DATA

14000.0000 - 14500.0000 MHz 36M0G7W 78.00 dBW DVB COMPLIANT, MPEG2,
VIDEO/AUDIO/DATA

14000.0000 - 14500.0000 MHz 4M00G7W 66.00 dBW DVB COMPLIANT, MPEG2,
VIDEO/AUDIO/DATA

11700.0000 - 12200.0000 MHz 256KG1W QPSK, FEC 3/4, PRIVATE DATA

11700.0000 - 12200.0000 MHz 6M00G1W QPSK, FEC 3/4, PRIVATE DATA

11700.0000 - 12200.0000 MHz 36M0G7W DVB COMPLIANT, MPEG2,
VIDEO/AUDIO/DATA

11700.0000 - 12200.0000 MHz 4M00G7W DVB COMPLIANT, MPEG2,
VIDEO/AUDIO/DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00687 E E7080 NBC Telemundo License LLC

Renewal

06/29/2019 - 06/29/2034

Grant of Authority

Date Effective: 06/17/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 62 SOUTH FRANKLIN STREET, LUZERNE, WILKES BARRE, PA

41 ° 14 ' 43.90 " N LAT.

75 ° 53 ' 4.30 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz 36M0G7W 78.60 dBW DIGITAL COMPRESSED VIDEO

11700.0000 - 12200.0000 MHz 36M0G7W DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00688 E E7081 NBC Telemundo License LLC

Renewal

06/29/2019 - 06/29/2034

Grant of Authority

Date Effective: 06/17/2019

Class of Station: Fixed Earth Stations**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 3 TELEVISION CIRCLE (KCRA), SACRAMENTO, SACRAMENTO, CA

38 ° 35 ' 17.00 " N LAT.

121 ° 29 ' 26.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz 112KG1D 57.00 dBW PSK PRIVATE DATA

14000.0000 - 14500.0000 MHz 36M0F8F 78.00 dBW ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS

14000.0000 - 14500.0000 MHz 4M00G7F 70.00 dBW PSK DIGITAL VIDEO WITH ASOC. DIGITAL AUDIO AND DATA

14000.0000 - 14500.0000 MHz 36M0G7W 78.00 dBW NULL

11700.0000 - 12200.0000 MHz 256KG1D PSK PRIVATE DATA

11700.0000 - 12200.0000 MHz 36M0F8F ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS

11700.0000 - 12200.0000 MHz 4M00G7F PSK DIGITAL VIDEO WITH ASOC. DIGITAL AUDIO AND DATA

11700.0000 - 12200.0000 MHz 36M0G7W NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00689 E E7082 NBC Telemundo License LLC

Renewal

06/29/2019 - 06/29/2034

Grant of Authority

Date Effective: 06/17/2019

Class of Station: Fixed Earth Stations**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1790 VASSAR STREET (KRN), WASHOE, RENO, NV

39 ° 30 ' 44.12 " N LAT.

119 ° 47 ' 11.31 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
	14000.0000 - 14500.0000 MHz	36M0G7W	78.60 dBW	DIGITAL COMPRESSED VIDEO CARRIER
	11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL COMPRESSED VIDEO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00690	E E7083	NBC Telemundo License LLC	
Renewal			06/29/2019 - 06/29/2034
Grant of Authority			Date Effective: 06/17/2019

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 4595 SOUTH DIXIE, MONTGOMERY, DAYTON, OH
39 ° 41 ' 22.20 " N LAT. 84 ° 13 ' 4.90 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
	14000.0000 - 14500.0000 MHz	256KG1W	58.00 dBW	QPSK, FEC 3/4, PRIVATE DATA
	14000.0000 - 14500.0000 MHz	6M00G1W	59.50 dBW	QPSK, FEC 3/4, PRIVATE DATA
	14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	DVD COMPLIANT, MPEG 2, VIDEO/AUDIO/DATA
	14000.0000 - 14500.0000 MHz	4M00G7W	66.00 dBW	DVD COMPLIANT, MPEG 2, VIDEO/AUDIO/DATA
	11700.0000 - 12200.0000 MHz	256KG1W		QPSK, FEC 3/4, PRIVATE DATA
	11700.0000 - 12200.0000 MHz	6M00G1W		QPSK, FEC 3/4, PRIVATE DATA
	11700.0000 - 12200.0000 MHz	36M0G7W		DVD COMPLIANT, MPEG 2, VIDEO/AUDIO/DATA
	11700.0000 - 12200.0000 MHz	4M00G7W		DVD COMPLIANT, MPEG 2, VIDEO/AUDIO/DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00691	E E7084	NBC Telemundo License LLC	
Renewal			06/29/2019 - 06/29/2034
Grant of Authority			Date Effective: 06/17/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 629 DOWNARD ROAD (WHIZ), MUSKINGUM, ZANESVILLE, OH
39 ° 55 ' 40.00 " N LAT. 81 ° 59 ' 7.00 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
	14000.0000 - 14500.0000 MHz	36M0G7W	78.60 dBW	DIGITAL COMPRESSED VIDEO
	11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00692	E E7122	NBC Telemundo License LLC	
Renewal			06/27/2019 - 06/27/2034
Grant of Authority			Date Effective: 06/17/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1700 YOUNG STREET (WLWT), HAMILTON, CINCINNATI, OH
39 ° 6 ' 50.90 " N LAT. 84 ° 30 ' 21.60 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
	14000.0000 - 14500.0000 MHz	36M0G7W	78.60 dBW	DIGITAL COMPRESSED VIDEO CARRIER
	11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL COMPRESSED VIDEO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00693	E E7123	NBC Telemundo License LLC	
Renewal			06/27/2019 - 06/27/2034
Grant of Authority			Date Effective: 06/17/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 238 JOHN STREET (KSBW), MONTEREY, SALINAS, CA
36 ° 40 ' 9.04 " N LAT. 121 ° 38 ' 49.59 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
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14000.0000 - 14500.0000 MHz	36M0G7W	78.60 dBW	DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL COMPRESSED VIDEO
Points of Communication:			
1 - PERMITTED LIST - ()			
SES-RWL-20190531-00695	E E7130	NBC Telemundo License LLC	
Renewal			06/27/2019 - 06/27/2034
Grant of Authority			Date Effective: 06/17/2019
Class of Station:	Fixed Earth Stations		
Nature of Service:	Fixed Satellite Service		
SITE ID:	1		
LOCATION:	320 DIVISION STREET (KPLC), CALCASIEU, LAKE CHARLES, LA		
	30 ° 13 ' 48.00 " N LAT.	93 ° 12 ' 57.00 " W LONG.	
ANTENNA ID:	1	8 meters	HARRIS 5349
14000.0000 - 14500.0000 MHz	36M0G7W	80.70 dBW	DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL COMPRESSED VIDEO
Points of Communication:			
1 - PERMITTED LIST - ()			
SES-RWL-20190531-00696	E E7178	NBC Telemundo License LLC	
Renewal			06/27/2019 - 06/27/2034
Grant of Authority			Date Effective: 06/17/2019
Class of Station:	Fixed Earth Stations		
Nature of Service:	Fixed Satellite Service		
SITE ID:	1		
LOCATION:	715 S. JEFFERSON STREET (WLBT), HINDS, JACKSON, MS		
	32 ° 17 ' 27.00 " N LAT.	90 ° 10 ' 47.00 " W LONG.	
ANTENNA ID:	1	8 meters	HARRIS 5349
14000.0000 - 14500.0000 MHz	112KG1D	57.10 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	NULL

11700.0000 - 12200.0000 MHz	256KG1D	PSK PRIVATA DATA
11700.0000 - 12200.0000 MHz	36M0F8F	ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W	NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00697	E E7125	NBC Telemundo License LLC	06/27/2019 - 06/27/2034
Renewal			Date Effective: 06/17/2019
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: TELEVISION PLAZA, 10000 MARKET STREET, ST. LOUIS, ST. LOUIS, MO
38 ° 37 ' 34.00 " N LAT. 90 ° 11 ' 48.00 " W LONG.

ANTENNA ID: 1	6.1 meters	HARRIS	5346
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14000.0000 - 14500.0000 MHz	112KG1D	57.00 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00698	E E7120	NBC Telemundo License LLC	
Renewal			06/27/2019 - 06/27/2034
Grant of Authority			Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 525 INTERSTATE 10 SOUTH, JEFFERSON, BEAUMONT, TX
30 ° 4 ' 23.59 " N LAT. 94 ° 8 ' 1.72 " W LONG.

ANTENNA ID: 1	7.6 meters	ASC SIGNAL	ES76K-1
14000.0000 - 14500.0000 MHz	36M0G7W	81.00 dBW	DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00699	E E7860	NBC Telemundo License LLC	
Renewal			05/24/2019 - 05/24/2034
Grant of Authority			Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 622 N. FLAGLER DRIVE (WPTV), PALM BEACH, WEST PALM BEACH, FL
26 ° 43 ' 48.35 " N LAT. 80 ° 3 ' 54.38 " W LONG.

ANTENNA ID: 1	8 meters	HARRIS	5349
14000.0000 - 14500.0000 MHz	112KG1D	57.00 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	NULL
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00700 E E7128 NBC Telemundo License LLC

Renewal

06/27/2019 - 06/27/2034

Grant of Authority

Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 503 E. MARKET STREET (WVIR), CHARLOTTESVILLE, CHARLOTTESVILLE, VA
38 ° 1 ' 51.00 " N LAT. 78 ° 28 ' 41.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz 36M0G7W 78.60 dBW DIGITAL COMPRESSED VIDEO

11700.0000 - 12200.0000 MHz 36M0G7W DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00701 E E7076 NBC Telemundo License LLC

Renewal

06/29/2019 - 06/29/2034

Grant of Authority

Date Effective: 06/13/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1960 UNION AVENUE (WMC), SHELBY, MEMPHIS, TN
35 ° 8 ' 7.00 " N LAT. 89 ° 59 ' 47.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz 112KG1D 57.00 dBW PSK PRIVATE DATA

14000.0000 - 14500.0000 MHz 36M0F8F 78.00 dBW ANALOG VIDEO W/ASSOC. AUDIO
SUBCARRIERS

14000.0000 - 14500.0000 MHz 4M00G7F 70.00 dBW PSK DIGITAL VIDEO WITH ASSOC.
DIGITAL AUDIO AND DATA

14000.0000 - 14500.0000 MHz 36M0G7W 78.00 dBW NULL

11700.0000 - 12200.0000 MHz 256KG1D PSK PRIVATE DATA

11700.0000 - 12200.0000 MHz 36M0F8F ANALOG VIDEO W/ASSOC. AUDIO
SUBCARRIERS

11700.0000 - 12200.0000 MHz	4M00G7F	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W	NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00703	E E7124	NBC Telemundo License LLC	06/27/2019 - 06/27/2034
Renewal			Date Effective: 06/13/2019
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 210 WEST COLEMAN BLVD. (WCBD), MONTGOMERY, MT. PLEASANT, SC
32 ° 47 ' 57.90 " N LAT. 79 ° 53 ' 51.40 " W LONG.

ANTENNA ID: 1 8 meters HARRIS 5349

14000.0000 - 14500.0000 MHz	112KG1D	57.00 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	NULL
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00704	E E7086	NBC Telemundo License LLC	06/29/2019 - 06/29/2034
Renewal			Date Effective: 06/12/2019
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: BEACH SPRINGS ROAD, LEE, TUPELO, MS
34 ° 19 ' 26.00 " N LAT. 88 ° 42 ' 42.00 " W LONG.

ANTENNA ID: 1 8 meters HARRIS 5349
14000.0000 - 14500.0000 MHz 36M0G7W 80.70 dBW DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz 36M0G7W DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00705 E E7085 NBC Telemundo License LLC
Renewal 06/29/2019 - 06/29/2034
Grant of Authority Date Effective: 06/12/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 100 TELEVISION LANE (WPSD), MCCRACKEN, PADUCAH, KY
37 ° 2 ' 56.00 " N LAT. 88 ° 38 ' 39.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346
14000.0000 - 14500.0000 MHz 36M0G7W 78.60 dBW DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz 36M0G7W DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00707 E E7127 NBC Telemundo License LLC
Renewal 06/27/2019 - 06/27/2034
Grant of Authority Date Effective: 06/12/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3900 BARNETT STREET, TARRANT, FORT WORTH, TX
32 ° 44 ' 58.00 " N LAT. 97 ° 15 ' 56.00 " W LONG.

ANTENNA ID: 1 8 meters HARRIS 5349
14000.0000 - 14500.0000 MHz 112KG1D 57.10 dBW PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz 36M0F8F 78.00 dBW ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS

14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	78.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00708	E E7195	NBC Telemundo License LLC	
Renewal			06/29/2019 - 06/29/2034
Grant of Authority			Date Effective: 06/11/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 805 BRADY STREET, SCOTT, DAVENPORT, IA
41 ° 31 ' 43.00 " N LAT. 90 ° 34 ' 23.00 " W LONG.

ANTENNA ID: 1	6.1 meters	HARRIS	5346
14000.0000 - 14500.0000 MHz	36M0G7W	78.60 dBW	DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190531-00709	E E7129	NBC Telemundo License LLC	
Renewal			06/27/2019 - 06/27/2034
Grant of Authority			Date Effective: 06/11/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1031 NAVARRO STREET, TEXAS-BEXAR, SAN ANTONIO, TX
29 ° 25 ' 52.00 " N LAT. 98 ° 29 ' 25.00 " W LONG.

ANTENNA ID:	1	8 meters	HARRIS	5349
14000.0000 - 14500.0000 MHz		112KG1D	57.00 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz		36M0F8F	78.00 dBW	ANALOG VIDEO W/ ASSOC AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz		4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz		36M0G7W	78.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz		256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz		36M0F8F		ANALOG VIDEO W/ ASSOC AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz		4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz		36M0G7W		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190604-00683	E E040204	XM Radio LLC	08/06/2019 - 08/06/2034
Renewal			Date Effective: 06/14/2019
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Satellite Digital Audio Radio Service

SITE ID: 1
LOCATION: 2875 FORK CREEK CHURCH ROAD, CLAYTON, ELLENWOOD, GA
33 ° 39 ' 51.00 " N LAT. 84 ° 16 ' 24.00 " W LONG.

ANTENNA ID:	AX31/AX32	7.2 meters	VERTEXRSI	7.2 KPCX/KPKX
7056.8450 - 7074.8690 MHz		1M84G1W	78.00 dBW	AUDIO CONTENT, ANCILLARY DATA, QPSK
7042.6000 - 7074.4000 MHz		800KF2D	74.00 dBW	COMMAND AND RANGING
7040.0000 - 7075.0000 MHz		1M84G1W	78.00 dBW	AUDIO CONTENT, ANCILLARY DATA, QPSK
7040.0000 - 7075.0000 MHz		800KF2D	74.00 dBW	COMMAND AND RANGING
2332.5000 - 2345.0000 MHz		100KG2D		TELEMETRY

2332.5000 - 2345.0000 MHz

1M84G1W

AUDIO CONTENT, ANCILLARY
DATA, QPSK

Points of Communication:

1 - XM 1 - (115.25 W.L)

1 - XM 2 - (115.25W.L)

1 - XM 3 - (85.15 W.L)

1 - XM-4 - (115.25W.L)

1 - XM-5 - (85.15)

SES-RWL-20190604-00710 E E040205 Scripps Broadcasting Holdings LLC

Renewal

06/10/2019 - 06/10/2034

Grant of Authority

Date Effective: 06/11/2019

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 4045 N Himes Ave, Hillsborough, Tampa, FL

ANTENNA ID: 1

1.5 meters

Advent

NewsSwift 1.5M SNG

14000.0000 - 14500.0000 MHz

15M0G7W

65.50 dBW

One digital carrier for video/voice/data

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190604-00711 E E940363 Scripps Broadcasting Holdings LLC

Renewal

06/14/2019 - 06/14/2034

Grant of Authority

Date Effective: 06/14/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4600 AIR WAY, SAN DIEGO, SAN DIEGO, CA

32 ° 43 ' 11.80 " N LAT.

117 ° 5 ' 55.50 " W LONG.

ANTENNA ID: 1

9.1 meters

ANDREW CORP.

ESA91-4

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Multiplex Carrier

ANTENNA ID: 2

7.3 meters

ANDREW CORP.

ESA73-1

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Multiplex Carrier

ANTENNA ID:	3	4.5 meters	ANDREW CORP.	ESA45-46A
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	4	5.5 meters	SATCOM	551KS-100
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	5	5 meters	AMERICAN ANTENNA	5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	6	3.1 meters	PATRIOT	PRT-310
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190605-00712	E	E040233	Scripps Broadcasting Holdings LLC	
Renewal				06/28/2019 - 06/28/2034
Grant of Authority				Date Effective: 06/11/2019

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 6400 York Road, Baltimore, Baltimore, MD

ANTENNA ID:	1	1.5 meters	Advent	Newswift 1.5M
	14000.0000 - 14500.0000 MHz		15M0G7W	65.50 dBW
				One digital carrier for video/voice/data

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190606-00729	E	E7338	NBC Telemundo License LLC	
Renewal				07/06/2019 - 07/06/2034
Grant of Authority				Date Effective: 06/11/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1414 NORTH MEMORIAL PARKWAY, MADISON, HUNTSVILLE, AL
34 ° 42 ' 36.30 " N LAT. 86 ° 32 ' 5.99 " W LONG.

ANTENNA ID:	1	8 meters	HARRIS	5349
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14000.0000 - 14500.0000 MHz	36M0G7W	80.70 dBW	DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL COMPRESSED VIDEO
Points of Communication:			
1 - PERMITTED LIST - ()			
SES-RWL-20190606-00730	E E7339	NBC Telemundo License LLC	
Renewal			07/06/2019 - 07/06/2034
Grant of Authority			Date Effective: 06/11/2019
Class of Station:	Fixed Earth Stations		
Nature of Service:	Fixed Satellite Service		
SITE ID:	1		
LOCATION:	ONE BROADCAST CENTER, HAMPDEN, CHICOPEE, MA 42 ° 9 ' 16.80 " N LAT. 72 ° 36 ' 48.40 " W LONG.		
ANTENNA ID:	1	6.1 meters HARRIS	5346
14000.0000 - 14500.0000 MHz	36M0G7W	78.60 dBW	DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL COMPRESSED VIDEO
Points of Communication:			
1 - PERMITTED LIST - ()			
SES-RWL-20190606-00731	E E940432	Spectrum Pacific West, LLC	
Renewal			07/07/2019 - 07/07/2034
Grant of Authority			Date Effective: 06/14/2019
Class of Station:	Fixed Earth Stations		
Nature of Service:	Domestic Fixed Satellite Service		
SITE ID:	1		
LOCATION:	639 NORTH KELLOGG, BENTON, KENNEWICK, WA 46 ° 13 ' 5.00 " N LAT. 119 ° 12 ' 9.00 " W LONG.		
ANTENNA ID:	1	4.5 meters SCIENTIFIC-ATLANTA	8345 4.5 METER
3700.0000 - 4200.0000 MHz	36M0F8W		
Points of Communication:			
1 - PERMITTED LIST - ()			

SES-RWL-20190607-00737 E E040301 Kentucky Public Radio Inc.
Renewal 07/15/2019 - 07/15/2034
Grant of Authority Date Effective: 06/14/2019

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 619 SOUTH 4TH STREET (WFPK-FM), JEFFERSON, LOUISVILLE, KY
38 ° 14 ' 53.00 " N LAT. 85 ° 45 ' 28.30 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters PATRIOT ANTENNA SYSTEMS 3.8 METER PF
3700.0000 - 4200.0000 MHz 10M3G7W DIGITAL AUDIO CARRIER
3700.0000 - 4200.0000 MHz 30K0F1D DIGITAL BROADCAST AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190611-00736 E E040245 KTLA, LLC
Renewal 07/14/2019 - 07/14/2034
Grant of Authority Date Effective: 06/12/2019

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID: 1 1.5 meters VERTEX 1.5 SMK-LT
14000.0000 - 14500.0000 MHz 24M0G7F 62.24 dBW PSK DIGITAL VIDEO W/DIGITAL AUDIO DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190612-00759 E E040234 San Francisco Unified School District
Renewal 05/19/2019 - 05/19/2034
Grant of Authority Date Effective: 06/18/2019

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 555 FRANKLIN STREET (KALW-FM), SAN FRANCISCO, SAN FRANCISCO, CA
37 ° 43 ' 16.30 " N LAT. 122 ° 24 ' 24.60 " W LONG.

ANTENNA ID:	1	3.8 meters	COMTECH ANTENNA SYSTEMS	3.8 METER PF
	3700.0000 - 4200.0000 MHz		10M3G7W	DIGITAL BROADCAST AUDIO CARRIER
	3700.0000 - 4200.0000 MHz		30K0F1D	DIGITAL AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190612-00763	E	E940292	New England Cable News	07/01/2019 - 07/01/2034
Renewal				Date Effective: 06/13/2019
Grant of Authority				

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID:	1	1.8 meters	VERTEX	1.8M. SMK
	14000.0000 - 14500.0000 MHz		36M0F8W	73.10 dBW
				FULL TRANSPONDER ANALOG
	14000.0000 - 14500.0000 MHz		24M0F8W	73.10 dBW
				HALF TRANSPONDER ANALOG
	14000.0000 - 14500.0000 MHz		15M0G7W	65.70 dBW
				DIGITAL MCPC DISK CARRIER USED FOR VIDEO/VOICE/DATA
	11700.0000 - 12200.0000 MHz		36M0F8W	
				FULL TRANSPONDER ANALOG
	11700.0000 - 12200.0000 MHz		24M0F8W	
				HALF TRANSPONDER ANALOG
	11700.0000 - 12200.0000 MHz		15M0G7W	
				DIGITAL MCPC DISK CARRIER USED FOR VIDEO/VOICE/DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190613-00774	E	E7364	NBC Telemundo License LLC	07/13/2019 - 07/13/2034
Renewal				Date Effective: 06/17/2019
Grant of Authority				

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 49 OLD HICKORY LANE, CAMBRIA, JOHNSTOWN, PA
40 ° 17 ' 41.00 " N LAT. 78 ° 56 ' 16.00 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
14000.0000 - 14500.0000 MHz		36M0G7W	78.60 dBW	DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz		36M0G7W		DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190613-00775	E E7365	NBC Telemundo License LLC	
Renewal			07/13/2019 - 07/13/2034
Grant of Authority			Date Effective: 06/17/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1501 SW JEFFERSON STREET, MULTNOMAH, PORTLAND, OR
45 ° 31 ' 5.00 " N LAT. 122 ° 41 ' 15.00 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
14000.0000 - 14500.0000 MHz		112KG1D	57.00 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz		36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz		4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz		36M0G7W	78.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz		256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz		36M0F8F		ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz		4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz		36M0G7W		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20190402-00419	E E150097	ISAT US Inc.	
Special Temporary Authority			
Grant of Authority			Date Effective: 06/11/2019

Class of Station:

On June 11, 2019, ISAT US, Inc. was granted special temporary authority for 90 days, beginning June 11, 2019, to operate one Taipan 48, 0.48-meter, flat panel antenna mounted on a vehicle at the Inmarsat facility in Reston, VA, and at fixed locations in Washington, DC, Atlanta, GA, and New York, NY metropolitan areas. Operations are authorized only with the Inmarsat 5F2 satellite at the 55° W.L. orbital location in the 19.7-20.2 GHz (space-to-Earth) and 29.5-30 (Earth-to-space) frequency bands.

Points of Communication:

SES-STA-20190426-00554 E E110104 SES Americom, Inc.
Special Temporary Authority

Date Effective:

Class of Station:

On June 18, 2019 SES Americom, Inc. was granted special temporary authority for 30 days, beginning June 19, 2019, to operate its fixed earth station in Bristow, VA, to provide telemetry, tracking, and command (TT&C) services for the Dutch-licensed NSS-6 satellite to drift from 95°E to 86.8°W on center frequencies: 14496.0 MHz and 14499.0 MHz (Earth-to-space), and 11198.0 MHz and 11199.5 MHz (space-to-Earth).

Points of Communication:

SES-STA-20190520-00627 E E190229 Arctic Slope Telephone Association Cooperative, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 06/11/2019

Class of Station:

On June 11, 2019, Arctic Slope Telephone Association Cooperative, Inc. was granted special temporary authority for 60 days, beginning June 11, 2019, to operate its fixed earth station in Dillingham, AK to communicate with the Anik F3 (S2703) satellite at the 118.7° W.L. orbital location in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20190521-00632 E E190099 SES Americom, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 06/17/2019

Class of Station:

On June 17, 2019, SES Americom, Inc. was granted special temporary authority for 60 days, beginning June 17, 2019, to operate its fixed earth station in Haleiwa, HI to communicate with the NSS-11 (S3037) satellite at the 176° E.L orbital location in the 14-14.5 GHz (Earth-to-space) and 12.25-12.75 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20190521-00659 E E170122 Intelsat License LLC
Special Temporary Authority
Grant of Authority

Date Effective: 06/17/2019

Class of Station:

On June 17, 2019, Intelsat License LLC was granted special temporary authority for 30 days, beginning July 10, 2019, to operate its fixed earth station in Ellenwood, GA to provide launch and early orbit phase (LEOP) services for the AMOS-17 satellite scheduled for in-orbit testing at location 13.8° E and at the 17° E.L. permanent orbital location.

Points of Communication:

SES-STA-20190521-00718 E KL92 Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 06/12/2019

Class of Station:

On June 12, 2019, Intelsat License LLC was granted special temporary authority for 30 days, to continue operating its fixed earth station in Castle Rock, CO to provide telemetry, tracking and command (TT&C) services for the Intelsat 5 (S2704) satellite on-station at the 137° W.L. orbital location. Operations will continue on center frequencies: 13999 MHz, 14498 MHz (Earth-to-space), and 11451 MHz, 11452 MHz, 11454 MHz (space-to-Earth).

Points of Communication:

SES-STA-20190603-00723 E E150097 ISAT US Inc.

Special Temporary Authority
Grant of Authority

Date Effective: 06/14/2019

Class of Station:

On June 14, 2019, ISAT US, Inc. was granted special temporary authority for 30 days, beginning June 14, 2019, to operate two 0.65-meter antennas with the Inmarsat 5F2 satellite at the 55° W.L. orbital location and with the Inmarsat 5F3 satellite at the 179.6° W.L. orbital location in the 29.5-30.0GHz (Earth-to-space) and 19.7-20.2 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20190607-00738 E E070014 EchoStar Operating L.L.C.

Special Temporary Authority
Grant of Authority

Date Effective: 06/14/2019

Class of Station:

On June 14, 2019, EchoStar Operating L.L.C. was granted special temporary authority for 30 days, beginning June 17, 2019, to operate its fixed earth station in Gilbert, AZ to provide telemetry, tracking and command services to the EchoStar 23 satellite at the 67.9° W.L. orbital location in the 17.300-17.310 GHz (Earth-to-space), and 12.200-12.210 GHz (space-to-Earth) frequency bands and on center frequency 17.791 GHz (Earth-to-space).

Points of Communication:

SES-STA-20190607-00739 E E020248 EchoStar Operating L.L.C.

Special Temporary Authority
Grant of Authority

Date Effective: 06/14/2019

Class of Station:

On June 14, 2019, EchoStar Operating L.L.C. was granted special temporary authority for 30 days, beginning June 17, 2019, to operate its fixed earth station in Blackhawk, SD to provide telemetry, tracking and command services to the EchoStar 23 satellite at the 67.9° W.L. orbital location in the 17.300-17.310 GHz (Earth-to-space), and 12.200-12.210 GHz (space-to-Earth) frequency bands and on center frequency 17.791 GHz (Earth-to-space).

Points of Communication:

SES-STA-20190607-00740 E E170094 EchoStar Operating L.L.C.

Special Temporary Authority
Grant of Authority

Date Effective: 06/14/2019

Class of Station:

On June 14, 2019, EchoStar Operating L.L.C. was granted special temporary authority for 30 days, beginning June 17, 2019, to operate its fixed earth station in Quicksburg, VA to provide telemetry, tracking and command services to the EchoStar 23 satellite at the 67.9° W.L. orbital location in the 17.300-17.310 GHz (Earth-to-space), and 12.200-12.210 GHz (space-to-Earth) frequency bands and on center frequency 17.791 GHz (Earth-to-space).

Points of Communication:

SES-STA-20190607-00741 E E980005 EchoStar Operating L.L.C.

Special Temporary Authority

Grant of Authority

Date Effective: 06/14/2019

Class of Station:

On June 14, 2019, EchoStar Operating L.L.C. was granted special temporary authority for 30 days, beginning June 17, 2019, to operate its fixed earth station in Cheyenne, WY to provide telemetry, tracking and command services to the EchoStar 23 satellite at the 67.9° W.L. orbital location in the 17.300-17.310 GHz (Earth-to-space), and 12.200-12.210 GHz (space-to-Earth) frequency bands and on center frequency 17.791 GHz (Earth-to-space).

Points of Communication:

SES-STA-20190607-00742 E E150098 EchoStar Operating L.L.C.

Special Temporary Authority

Grant of Authority

Date Effective: 06/14/2019

Class of Station:

On June 14, 2019, EchoStar Operating L.L.C. was granted special temporary authority for 30 days, beginning June 17, 2019, to operate its fixed earth station in Summerset, SD to provide telemetry, tracking and command service to the EchoStar 23 satellite at the 67.9° W.L. orbital location in the 17.300-17.310 GHz (Earth-to-space), and 12.200-12.210 GHz (space-to-Earth) frequency bands and on center frequency 17.791 GHz (Earth-to-space).

Points of Communication:

Dismissal

SES-STA-20190612-00760 E040234 San Francisco Unified School District

Request for special temporary authority dismissed as Moot. See IBFS File No. SES-RWL-20190612-00759 granted on June 18, 2019.

SURRENDER

SES-LIC-20040727-01045 E040320 Virgin Islands Public Broadcasting System

License surrendered by letter filed on June 12, 2019,

SES-RWL-20040630-00895 E5530 KGO Television, Inc.

License surrendered by letter filed on June 13, 2019.

SES-RWL-20040916-01387 E940401 American Broadcasting Companies, Inc.

License surrendered by letter filed on June 13, 2019.

SES-RWL-20070424-00502 E873369 KFSN TELEVISION, LLC

License surrendered by letter filed on June 13, 2019.

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