



# PUBLIC NOTICE

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

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Report No. SES-02193

Wednesday August 21, 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.

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**SES-ASG-20190715-00923** E E181239 Mapleton License of Spokane, LLC  
Application for Consent to Assignment  
Grant of Authority Date Effective: 08/15/2019

**Current Licensee:** Mapleton License of Spokane, LLC  
**FROM:** Mapleton License of Spokane LLC  
**TO:** SMG-Spokane, LLC

No. of Station(s) listed: 1

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**SES-ASG-20190726-01004** E E190047 KLTU/KTRE License Subsidiary, LLC  
Application for Consent to Assignment  
Consummated Date Effective: 07/26/2019

**Current Licensee:** KLTU/KTRE License Subsidiary, LLC  
**FROM:** KLTU/KTRE License Subsidiary, LLC  
**TO:** Gray Television Licensee, LLC

No. of Station(s) listed: 1

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**SES-ASG-20190726-01005** E E190021 WAFB License Subsidiary, LLC  
Application for Consent to Assignment  
Consummated Date Effective: 07/26/2019

**Current Licensee:** WAFB License Subsidiary, LLC  
**FROM:** WAFB License Subsidiary, LLC  
**TO:** Gray Television Licensee, LLC

No. of Station(s) listed: 1

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**SES-LIC-20190501-00559** E E030216 Anadarko Petroleum Corporation  
Application for Authority 08/15/2019 - 08/15/2034  
Grant of Authority Date Effective: 08/15/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: GM (Marco Polo), GM, GM, TX  
27 ° 21 ' 43.30 " N LAT.

90 ° 10 ' 53.00 " W LONG.

ANTENNA ID:	1	2.4 meters	Channel Master	2.4 Meter
	5925.0000 - 6425.0000 MHz		5K12G7W 54.00 dBW	
	3700.0000 - 4200.0000 MHz		5K12G7W	Digital
ANTENNA ID:	9797	2.4 meters	SEA TEL	9797
	5925.0000 - 6425.0000 MHz		292KG7W 34.20 dBW	Digital Voice and Data
	5925.0000 - 6425.0000 MHz		478KG7W 44.87 dBW	Digital
	5925.0000 - 6425.0000 MHz		4M47G7W 50.05 dBW	Digital
	5925.0000 - 6425.0000 MHz		533KG7W 39.10 dBW	Digital
	5925.0000 - 6425.0000 MHz		9M38G7W 59.50 dBW	Digital Video, Audio, and Data
	3700.0000 - 4200.0000 MHz		292KG7W	Digital Voice and Data
	3700.0000 - 4200.0000 MHz		478KG7W	Digital
	3700.0000 - 4200.0000 MHz		4M47G7W	Digital
	3700.0000 - 4200.0000 MHz		533KG7W	Digital

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-MOD-20180720-02556** E KA224 GlobeCast America Incorporated

Application for Modification

09/08/2008 - 09/08/2023

Grant of Authority

Date Effective: 08/15/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 10525 W. WASHINGTON BLVD., LOS ANGELES, CULVER CITY, CA  
34 ° 1 ' 5.40 " N LAT.

118 ° 24 ' 14.20 " W LONG.

ANTENNA ID:	1	4.57 meters	VERTEX	4.57KPK
	14000.0000 - 14500.0000 MHz		200KF3E 63.50 dBW	SCPC AUDIO

14000.0000 - 14500.0000 MHz	1M50F7W	67.50 dBW	IBS
14000.0000 - 14500.0000 MHz	36M0F3F	73.50 dBW	ANALOG TV
11450.0000 - 11700.0000 MHz	200KF3E		SCPC AUDIO
11450.0000 - 11700.0000 MHz	1M50F7W		IBS
11450.0000 - 11700.0000 MHz	36M0F3F		ANALOG TV
10950.0000 - 11200.0000 MHz	200KF3E		SCPC AUDIO
10950.0000 - 11200.0000 MHz	1M50F7W		IBS
10950.0000 - 11200.0000 MHz	36M0F3F		ANALOG TV
ANTENNA ID: CVC 5-2	5.6 meters	ANDREW	5.6 METER
14000.0000 - 14500.0000 MHz	36M0G7W	81.47 dBW	DIGITAL VIDEO CARRIER
14000.0000 - 14500.0000 MHz	200KF3E	59.68 dBW	SCPC AUDIO
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO CARRIER
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO CARRIER
11450.0000 - 12200.0000 MHz	200KF3E		SCPC AUDIO
10950.0000 - 11200.0000 MHz	200KF3E		SCPC AUDIO
ANTENNA ID: CVC 4-1	4.6 meters	ANDREW	4.6 METER
5925.0000 - 6425.0000 MHz	36M0G7W	72.97 dBW	DIGITAL VIDEO CARRIER
5925.0000 - 6425.0000 MHz	200KF3E	57.28 dBW	SCPC AUDIO
3700.0000 - 4200.0000 MHz	36M0G7W		DIGITAL VIDEO CARRIER
3700.0000 - 4200.0000 MHz	200KF3E		SCPC AUDIO
ANTENNA ID: CVC 5-3	5.6 meters	ANDREW	5.6 METER
14000.0000 - 14500.0000 MHz	36M0G7W	81.47 dBW	DIGITAL VIDEO CARRIER
14000.0000 - 14500.0000 MHz	200KF3E	59.68 dBW	SCPC AUDIO
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO CARRIER
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO CARRIER
11450.0000 - 12200.0000 MHz	200KF3E		SCPC AUDIO

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10950.0000 - 11200.0000 MHz

200KF3E

SCPC AUDIO

**Points of Communication:**

1 - INTELSAT POR - (180.0 E.L.)

1 - PERMITTED LIST - ()

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**SES-REG-20180718-02492**

E E181606

Citizens Telephone Company of Higginsville Missouri

Registration

07/18/2018 - 07/18/2033

Grant of Authority

Date Effective: 08/16/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1209 W. 29th St, Lafayette, Higginsville, MO

39 ° 3 ' 53.46 " N LAT.

93 ° 44 ' 17.82 " W LONG.

ANTENNA ID: 1	4.5 meters	SSE	8345
3800.0000 - 4160.0000 MHz	4G16G7F	0.00 dBW	Video
ANTENNA ID: 2	4.5 meters	SSE	8345
3808.0000 - 4000.0000 MHz	4G00G7F	0.00 dBW	Video
ANTENNA ID: 3	4.5 meters	SSE	8345
3740.0000 - 4160.0000 MHz	4G16G7F	0.00 dBW	Video
ANTENNA ID: 4	4.5 meters	SSE	8345
3720.0000 - 4140.0000 MHz	4G14G7F	0.00 dBW	Video
ANTENNA ID: 5	3.7 meters	Prodelin	Polar 1375
4060.0000 - 4060.0000 MHz	4G06G7F	0.00 dBW	Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180719-02485**

E E181599

KTC Broadcasting Inc

Registration

07/19/2018 - 07/19/2033

Grant of Authority

Date Effective: 08/16/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: 1  
LOCATION: 1416 Shelby Highway, Gaston, Cherryville, NC  
35 ° 23 ' 26.70 " N LAT. 81 ° 24 ' 14.30 " W LONG.

ANTENNA ID: 1 3.7 meters Dawnco D37F48-4PC-5.5  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Broadcast Audio Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180810-03843** E E190174 Consolidated Communications Enterprise Services, Inc.  
Registration 08/10/2018 - 08/10/2033  
Grant of Authority Date Effective: 08/14/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Blount1  
LOCATION: 5411 Luce Avenue McClellan, USA, Sacramento, CA  
30 ° 26 ' 49.30 " N LAT. 85 ° 3 ' 56.30 " W LONG.

ANTENNA ID: Blount1 4.5 meters Superior Satellite Engineers 4.5m  
3700.0000 - 4200.0000 MHz 36M0G7W ANALOG AND DIGITAL VIDEO

**Points of Communication:**

Blount1 - PERMITTED LIST - ()

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**SES-REG-20180810-03849** E E190180 Cox Communications California, LLC  
Registration 06/29/2018 - 06/29/2033  
Grant of Authority Date Effective: 08/16/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 17 Journey, Orange, ALISO VIEJO, CA  
33 ° 33 ' 59.70 " N LAT. 117 ° 43 ' 40.50 " W LONG.

ANTENNA ID: 1 4.5 meters SCIENTIFIC-ATLANTA, INC 8345 4.5 METER  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180815-04016** E E190322 Wright Broadcasting Systems Inc.  
Registration 08/15/2018 - 08/15/2033  
Grant of Authority Date Effective: 08/14/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 19628 Rt. 66 North, Beckham, Elk City, OK  
35 ° 24 ' 3.83 " N LAT. 99 ° 28 ' 55.04 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin General Dynamics Model 1305  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

**Points of Communication:**

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

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**SES-REG-20180816-03955** E E190261 Consolidated Communications Enterprise Services, Inc.  
Registration 08/16/2018 - 08/16/2033  
Grant of Authority Date Effective: 08/14/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 5411 Luce Avenue McClellan, USA, Sacramento, CA  
41 ° 5 ' 55.56 " N LAT. 84 ° 16 ' 29.67 " W LONG.

ANTENNA ID: 1 4.5 meters AFC 4.5m  
3700.0000 - 4200.0000 MHz 36M0G7W Analog and digital video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180817-03956** E E190262 Consolidated Communications Enterprise Services, Inc.  
Registration 08/17/2018 - 08/17/2033  
Grant of Authority Date Effective: 08/14/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 5411 Luce Avenue McClellan, USA, Sacramento, CA  
41 ° 5 ' 55.56 " N LAT. 84 ° 16 ' 29.67 " W LONG.

ANTENNA ID: 1 3.5 meters Unimesh 3.5m

3700.0000 - 4200.0000 MHz

36M0G7W

Analog and digital video

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-REG-20180820-03960** E E190266 Tribune Broadcasting Indianapolis, LLC

Registration

08/20/2018 - 08/20/2033

Grant of Authority

Date Effective: 08/15/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 6910 Network Place, Marion, Indianapolis, IN

39 ° 52 ' 48.30 " N LAT.

86 ° 16 ' 40.90 " W LONG.

ANTENNA ID: 1	4.5 meters	Andrew	4.5M Earth Station
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video and Data
ANTENNA ID: 2	4.5 meters	Andrew	4.5M Earth Station
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
ANTENNA ID: 4	4.5 meters	Scientific Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video and Data
ANTENNA ID: 5	4.5 meters	Scientific Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video and Data
ANTENNA ID: 6	4.5 meters	Scientific Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video and Data
ANTENNA ID: 7	4.5 meters	Scientific Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video and Data
ANTENNA ID: 8	3.8 meters	Patriot	PRT-380
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video and Data
ANTENNA ID: 9	3.8 meters	Patriot	PRT-380

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video and Data
ANTENNA ID: 10	3.8 meters	Patriot	PRT-380
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video and Data
ANTENNA ID: 11	4.5 meters	Andrew	4.5M Earth Station
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video and Data
ANTENNA ID: 12	4.2 meters	DH	DH 4.2M
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video and Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180822-03973</b>	E	E190279	FM Radio Licenses, LLC	
Registration				08/22/2018 - 08/22/2033
Grant of Authority				Date Effective: 08/16/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 109 Plaza Drive, Cambria, Johnstown, PA  
40 ° 19 ' 24.34 " N LAT. 78 ° 57 ' 18.20 " W LONG.

ANTENNA ID: 1	3.8 meters	Comtech Antenna Systems	3.8
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Analog and Digital Audio Services
ANTENNA ID: 2	3.2 meters	Chaparral	3.2
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Analog and Digital Audio Services

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180822-03974</b>	E	E190280	FM Radio Licenses, LLC	
Registration				08/22/2018 - 08/22/2033
Grant of Authority				Date Effective: 08/16/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 2 Robinson Plaza Suite 410, Allegheny, Pittsburgh, PA  
40 ° 26 ' 56.04 " N LAT. 80 ° 9 ' 54.86 " W LONG.



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ANTENNA ID: 1 3.4 meters General Dynamics Series 1374  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog and Digital Audio Services

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180822-03975** E E190281 FM Radio Licenses, LLC  
Registration 08/22/2018 - 08/22/2033  
Grant of Authority Date Effective: 08/16/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 123 Blaine Road, Washington, Brownsville, PA  
40 ° 2 ' 35.98 " N LAT. 79 ° 54 ' 16.56 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech Antenna Systems 3.8  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog and Digital Audio Services

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180822-03976** E E190282 FM Radio Licenses, LLC  
Registration 08/22/2018 - 08/22/2033  
Grant of Authority Date Effective: 08/16/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 275 Radio Road, York, Hanover, PA  
39 ° 49 ' 8.76 " N LAT. 77 ° 0 ' 20.10 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech Antenna Systems 3.8  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog and Digital Audio Services

ANTENNA ID: 2 2.8 meters Scientific Atlanta 9000  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog and Digital Audio Services

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180822-03977** E E190283 FM Radio Licenses, LLC  
Registration 08/22/2018 - 08/22/2033  
Grant of Authority Date Effective: 08/16/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 56325 High Ridge Road, Belmont, Bellaire, OH  
40 ° 2 ' 9.00 " N LAT. 80 ° 46 ' 16.00 " W LONG.

ANTENNA ID:	1	3.8 meters	DH Satellite	38DH4	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Analog and Digital Audio Services
ANTENNA ID:	2	3.8 meters	Comtech	3.8	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Analog and Digital Audio Services

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180822-03978** E E190284 FM Radio Licenses, LLC  
Registration 08/22/2018 - 08/22/2033  
Grant of Authority Date Effective: 08/16/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: One Forever Drive, Blair, Hollidaysburg, PA  
40 ° 27 ' 20.57 " N LAT. 78 ° 23 ' 45.95 " W LONG.

ANTENNA ID:	1	3.8 meters	Comtech Antenna systems	3.8	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Analog and Digital Audio Services
ANTENNA ID:	2	3.8 meters	Microfect	3.8	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Analog and Digital Audio Services

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180822-03981** E E190287 Cox Radio, Inc.  
Registration 08/22/2018 - 08/22/2033  
Grant of Authority Date Effective: 08/16/2019

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 11714 Galm Road, Bexar, San Antonio, TX  
29 ° 31 ' 26.10 " N LAT.

98 ° 43 ' 26.80 " W LONG.

ANTENNA ID: 1                      3.8 meters                      Comtech    31829165-G1

3700.0000 - 4200.0000 MHz                      36M0F8W    Digital audio and data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180823-03982**    E E190288    Tekstar Communications, Inc.

Registration

08/23/2018 - 08/23/2033

Grant of Authority

Date Effective: 08/16/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 895 2nd Street SW, Otter Tail, Perham, MN  
46 ° 35 ' 52.91 " N LAT.

95 ° 35 ' 1.17 " W LONG.

ANTENNA ID: 1                      4.5 meters                      ViaSat    8345

3700.0000 - 4200.0000 MHz                      36M0G7W                      0.00 dBW    Digital video TVRO operation

ANTENNA ID: 2                      4.5 meters                      ViaSat    8345

3700.0000 - 4200.0000 MHz                      36M0G7W                      0.00 dBW    Digital video TVRO operation

ANTENNA ID: 3                      4.5 meters                      ViaSat    8345

3700.0000 - 4200.0000 MHz                      36M0G7W                      0.00 dBW    Digital video TVRO operation

ANTENNA ID: 4                      4.5 meters                      ViaSat    8345

3700.0000 - 4200.0000 MHz                      36M0G7W                      0.00 dBW    Digital video TVRO operation

ANTENNA ID: 5                      4.5 meters                      ViaSat    8345

3700.0000 - 4200.0000 MHz                      36M0G7W                      0.00 dBW    Digital video TVRO operation

ANTENNA ID: 6                      4.5 meters                      ViaSat    8345

3700.0000 - 4200.0000 MHz                      36M0G7W    Digital video TVRO operation

ANTENNA ID: 7                      4.5 meters                      ViaSat    8345

3700.0000 - 4200.0000 MHz

36M0G7W

Digital video TVRO operation

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-REG-20180913-04157** E E190464 Cumulus Licensing LLC

Registration

09/10/2018 - 09/10/2033

Grant of Authority

Date Effective: 08/19/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Culver City

**LOCATION:** 8935 Lindblade Street, Los Angeles, Culver City, CA  
34 ° 1 ' 36.00 " N LAT.

118 ° 23 ' 27.00 " W LONG.

**ANTENNA ID:** LA Dish 3 meters Comtech

CSA3000A

3700.0000 - 4200.0000 MHz

36M0G7W

0.00 dBW

digital audio and video signals

**SITE ID:** Grand Rapids Studio

**LOCATION:** 60 Monroe Center NW, Kent, Grand Rapids, MI  
42 ° 57 ' 52.00 " N LAT.

85 ° 40 ' 8.00 " W LONG.

**ANTENNA ID:** GRR Roof 3.8 meters Comtech

934D0015-G2

3700.0000 - 4200.0000 MHz

36M0G7W

0.00 dBW

digital audio and video signals

**SITE ID:** Oklahoma City Studio

**LOCATION:** 4045 NW 64th Street, Oklahoma, Oklahoma City, OK  
35 ° 32 ' 25.00 " N LAT.

97 ° 35 ' 46.00 " W LONG.

**ANTENNA ID:** Comtech 3.8 meters Comtech

Comtech 3.8

3700.0000 - 4200.0000 MHz

36M0G7W

0.00 dBW

digital audio and video signals

**SITE ID:** KRBE Studios

**LOCATION:** 9801 Westheimer Suite 700, Harris, Houston, TX  
29 ° 44 ' 12.87 " N LAT.

95 ° 32 ' 30.60 " W LONG.

**ANTENNA ID:** KRBE Sat 3.7 meters Prodelin

1374

3700.0000 - 4200.0000 MHz

36M0G7W

0.00 dBW

digital audio and video signals

**SITE ID:** 780 Johnson Ferry Rd

**LOCATION:** 780 Johnson Ferry Road 5th Floor, Fulton, Atlanta, GA  
33 ° 54 ' 22.30 " N LAT.

84 ° 21 ' 44.70 " W LONG.

**ANTENNA ID:** Main 3.8 meters Prodelin

1374

3700.0000 - 4200.0000 MHz

36M0G7W

0.00 dBW

digital audio and video signals

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SITE ID: Tallahassee Studio  
 LOCATION: 3411 W Tharpe Street, Leon, Tallahassee, FL  
 30 ° 27 ' 46.00 " N LAT. 84 ° 21 ' 29.00 " W LONG.

ANTENNA ID: SES-11\_1 3.8 meters Comtech 3.8m  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

ANTENNA ID: SES-11\_2 3.8 meters Comtech 3.8m  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

ANTENNA ID: AMC-1 3.8 meters Comtech 3.8m  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Indy Studio Building  
 LOCATION: 6810 N. Shadeland Ave., Marion, Indianapolis, IN  
 39 ° 52 ' 48.80 " N LAT. 87 ° 57 ' 12.20 " W LONG.

ANTENNA ID: IndyDish 3.8 meters Comtech 934D0015-02  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Victory  
 LOCATION: 3090 Olive Street Suite 400, Dallas, Dallas, TX  
 32 ° 47 ' 21.00 " N LAT. 96 ° 48 ' 36.00 " W LONG.

ANTENNA ID: Comtech1 3.8 meters Comtech 829165-G1  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Studios 1301 Gervais  
 LOCATION: 1301 Gervais Street Suite 700, Richland, Columbia, SC  
 34 ° 0 ' 8.00 " N LAT. 81 ° 1 ' 54.00 " W LONG.

ANTENNA ID: C-Band 3.7 meters Prodelin Series 1375  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Knoxville Studio  
 LOCATION: 4711 Old Kingston Pike, Knox, Knoxville, TN  
 35 ° 56 ' 25.00 " N LAT. 83 ° 58 ' 56.00 " W LONG.

ANTENNA ID: WIVK1 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Columbia, MO Studios  
 LOCATION: 503 Old 63 North, Boone, Columbia, MO  
 38 ° 57 ' 26.00 " N LAT. 92 ° 18 ' 45.00 " W LONG.

ANTENNA ID:	WestDish	3.8 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	EastDish	3.8 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Purchase Roof			
LOCATION:	100 Manhattanville Road, Westchester, Purchase, NY			
	41 ° 1 ' 36.00 " N LAT.			73 ° 42 ' 57.00 " W LONG.
ANTENNA ID:	ANT1	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	ANT2	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	ANT3	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Abita Springs, TX			
LOCATION:	23179 Ronald Quave Road, St. Tammany Parish, Covington, LA			
	30 ° 31 ' 17.70 " N LAT.			90 ° 1 ' 12.30 " W LONG.
ANTENNA ID:	106.1 TX	2.8 meters	S.A.	9000
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Chattanooga Studios			
LOCATION:	821 Pineville Road, Hamilton, Chattanooga, TN			
	35 ° 4 ' 3.00 " N LAT.			85 ° 19 ' 53.00 " W LONG.
ANTENNA ID:	Chatt	3.8 meters	AFC	N/A
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	St. Charles Studio			
LOCATION:	201 Saint Charles Avenue, Orleans Parrish, New Orleans, LA			
	29 ° 57 ' 7.70 " N LAT.			90 ° 4 ' 13.30 " W LONG.
ANTENNA ID:	201 Roof	3.7 meters	Aodelin	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Cincinnati Studio			
LOCATION:	4805 Montgomery Road, Hamilton, Cincinnati, OH			
	39 ° 9 ' 59.00 " N LAT.			84 ° 27 ' 20.00 " W LONG.

ANTENNA ID:	Cincysat	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Baton Rouge Studio			
LOCATION:	631 Main Street, East Baton Rouge Parish, Baton Rouge, LA			
	30 ° 27 ' 7.00 " N LAT.			91 ° 11 ' 3.00 " W LONG.
ANTENNA ID:	Studio	3.7 meters	GD Satcom	1374-990
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	KC Studio			
LOCATION:	5800 Foxridge Drive Suite 600, Johnson, Mission, KS			
	39 ° 1 ' 25.00 " N LAT.			94 ° 40 ' 2.00 " W LONG.
ANTENNA ID:	Patroit1	3.7 meters	Patriot	1374-1375
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Patriot2	3.7 meters	Patriot	1374-1375
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Des Moines Studio			
LOCATION:	4143 109th Street, Polk, Urbandale, IA			
	41 ° 38 ' 10.80 " N LAT.			93 ° 46 ' 0.25 " W LONG.
ANTENNA ID:	Comtech	3.8 meters	Comtech	945-7395-15
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	MSP			
LOCATION:	2000 Elm Street, S.E., Hennepin, Minneapolis, MN			
	44 ° 59 ' 0.93 " N LAT.			93 ° 13 ' 25.36 " W LONG.
ANTENNA ID:	Main	3.7 meters	Comtech	934D0015-G1
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Back-up	3.7 meters	Comtech	934D0015-G1
	42.9000 - 4.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	James St. Studios			
LOCATION:	1064 James Street, Onondaga, Syracuse, NY			
	43 ° 3 ' 35.60 " N LAT.			76 ° 7 ' 52.90 " W LONG.
ANTENNA ID:	WW1XDS	3 meters	Prodelin	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals

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SITE ID: Shreveport Studios  
 LOCATION: 270 Plaza Loop, Caddo Parish, Bossier City, LA  
 32 ° 31 ' 7.00 " N LAT. 93 ° 44 ' 20.00 " W LONG.

ANTENNA ID: WWO/PRN 3 meters General Dynamics 3.4 Meter Series 134  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

ANTENNA ID: Wegener 3 meters General Dynamics 3.4 Meter Series 134  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Blacksburg Studio  
 LOCATION: 7080 Lee Highway, Montgomery, Radford, VA  
 37 ° 8 ' 44.90 " N LAT. 80 ° 36 ' 1.10 " W LONG.

ANTENNA ID: CNORTH 3.7 meters Prodelin 1374-995  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Wilmington Studios  
 LOCATION: 3233 Burnt Mill Dr., New Hanover, Wilmington, NC  
 34 ° 13 ' 53.50 " N LAT. 77 ° 54 ' 9.60 " W LONG.

ANTENNA ID: WW1-Prem 3.8 meters Comtech Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

ANTENNA ID: NC EMNet 1.2 meters Unknown Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: CO Springs Studios  
 LOCATION: 6805 Corporate Drive Suite 130, El Paso, Colorado Springs, CO  
 38 ° 55 ' 49.00 " N LAT. 104 ° 48 ' 50.00 " W LONG.

ANTENNA ID: ASMC-18 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Ann Arbor Studios  
 LOCATION: 1100 Victors Way Suite 100, Washtenaw, Ann Arbor, MI  
 42 ° 14 ' 20.14 " N LAT. 83 ° 44 ' 15.01 " W LONG.

ANTENNA ID: AA-Main 3.8 meters Comtech 3.8 Meter EL/AZ  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Wellington  
 LOCATION: 700 Wellington Hills Road, Pulaski, Little Rock, AR  
 34 ° 45 ' 36.50 " N LAT. 92 ° 26 ' 40.80 " W LONG.



ANTENNA ID:	SES-11	3.7 meters	Unknown	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	GE-4	3.7 meters	Comtech	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Columbus Studio			
LOCATION:	105 5th Street North Suite 400, Lowndes, Columbus, MS			
	33 ° 29 ' 43.10 " N LAT.			88 ° 25 ' 42.38 " W LONG.
ANTENNA ID:	Dish1	3.7 meters	Viking Satcom	P370FAE
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Mobile Main Studios			
LOCATION:	2800 Dauphin Suite 104, Mobile, Mobile, AL			
	30 ° 41 ' 24.20 " N LAT.			88 ° 6 ' 26.80 " W LONG.
ANTENNA ID:	Main	3.7 meters	Viking	P1374-990
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Saginaw Studio Bldg.			
LOCATION:	1740 Champagne Drive North, Saginaw, Saginaw, MI			
	43 ° 29 ' 5.00 " N LAT.			83 ° 57 ' 8.20 " W LONG.
ANTENNA ID:	N_RX Dish	3.7 meters	Prodelin	4096-272
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	WJR Transmitter			
LOCATION:	15725 Sibley Road, Wayne, Riverview, MI			
	42 ° 10 ' 8.90 " N LAT.			83 ° 12 ' 46.70 " W LONG.
ANTENNA ID:	WJR Dish	3.7 meters	Prodelin	#1374-995
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Erie Studios			
LOCATION:	471 Robison Road, NW, Erie, Erie, PA			
	42 ° 3 ' 23.00 " N LAT.			80 ° 2 ' 24.00 " W LONG.
ANTENNA ID:	Main	3.8 meters	Comtech	847303-g1
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Backup	3.8 meters	Comtech	84733-g2
	3700.2000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals

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SITE ID: Fayetteville AR  
 LOCATION: 4225 Frontage Road, Washington, Fayetteville, AR  
 36 ° 7 ' 40.74 " N LAT. 94 ° 8 ' 38.22 " W LONG.

ANTENNA ID: Mairdish 3.8 meters Comtech 829066g2rc  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: SLC Studios  
 LOCATION: 434 Bearcat Drive, Salt Lake, Salt Lake City, UT  
 40 ° 43 ' 14.00 " N LAT. 111 ° 54 ' 9.00 " W LONG.

ANTENNA ID: Comtech1 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

ANTENNA ID: Comtech2 3.8 meters Comtech 934D0015-G1  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Providence Studios  
 LOCATION: 1502 Wampanoag Trail, Providence, East Providence, RI  
 41 ° 46 ' 22.30 " N LAT. 71 ° 19 ' 30.90 " W LONG.

ANTENNA ID: Primary 4.5 meters Andrew ESA 45-4  
 3700.2000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

ANTENNA ID: Backup 2.8 meters Scientific Atlanta 9000  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Lafayette Studios  
 LOCATION: 202 Galbert, Lafayette Parish, Lafayette, LA  
 30 ° 13 ' 35.00 " N LAT. 92 ° 4 ' 31.00 " W LONG.

ANTENNA ID: Main 4.6 meters Scientific Atlanta 8346  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Boise Studios  
 LOCATION: 1419 W Bannock Street, Ada, Boise, ID  
 43 ° 37 ' 16.00 " N LAT. 116 ° 12 ' 36.00 " W LONG.

ANTENNA ID: Primary 3.8 meters Comtech 28/3.8  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

ANTENNA ID: Backup 3 meters Prodelin 1304  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

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SITE ID: MKG-Studio  
 LOCATION: 3375 Merriam Street, Muskegon, Muskegon, MI  
 43 ° 11 ' 27.70 " N LAT. 86 ° 14 ' 16.54 " W LONG.

ANTENNA ID: MKG-GND 3.8 meters Comtech Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

ANTENNA ID: MKG-Roof 3.8 meters Comtech Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: WBS Studio  
 LOCATION: 600 Baltimore Drive, Luzerne, Wilkes Barre, PA  
 41 ° 15 ' 9.80 " N LAT. 75 ° 48 ' 22.30 " W LONG.

ANTENNA ID: Studio 3 meters Comtech Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Allentown Studio  
 LOCATION: 2158 Avenue C Suite 100, Northampton, Bethlehem, PA  
 40 ° 39 ' 22.00 " N LAT. 75 ° 25 ' 25.00 " W LONG.

ANTENNA ID: Studio 3.7 meters Comtech 3.7  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Bloomington Studio  
 LOCATION: 236 Greenwood Avenue, McLean, Bloomington, IL  
 40 ° 27 ' 1.10 " N LAT. 89 ° 0 ' 42.30 " W LONG.

ANTENNA ID: Main 3.8 meters Comtech 829165-g1  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Reno Studio  
 LOCATION: 595 E. Plumb Lane, Washoe, Reno, NV  
 39 ° 30 ' 21.98 " N LAT. 119 ° 47 ' 41.49 " W LONG.

ANTENNA ID: XDS Dish 3.8 meters Comtech Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Bridgeport Studio  
 LOCATION: 350 Fairfield Avenue, Fairfield, Bridgeport, CT  
 41 ° 10 ' 43.00 " N LAT. 73 ° 11 ' 39.12 " W LONG.

ANTENNA ID: Studio 3 meters Comtech Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

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SITE ID: Albany Studio  
 LOCATION: 1104 W Broad Avenue, Dougherty, Albany, GA  
 31 ° 34 ' 35.00 " N LAT. 84 ° 10 ' 37.00 " W LONG.

ANTENNA ID: SES-11 3.7 meters Prodelin 1374  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Flint Studio Bldg.  
 LOCATION: 6317 Taylor Drive, Genesee, Flint, MI  
 42 ° 56 ' 16.80 " N LAT. 83 ° 42 ' 20.70 " W LONG.

ANTENNA ID: Main DH 3.7 meters DH DH37FAE  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Fayetteville-Studios  
 LOCATION: 1009 Drayton Road, Cumberland, Fayetteville, NC  
 35 ° 4 ' 46.10 " N LAT. 78 ° 56 ' 1.00 " W LONG.

ANTENNA ID: Studios 3.7 meters Prodelin 1374  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Topeka Studio  
 LOCATION: 825 Kansas Avenue, Shawnee, Topeka, KS  
 39 ° 2 ' 52.78 " N LAT. 95 ° 40 ' 31.96 " W LONG.

ANTENNA ID: West 3.8 meters Comtech Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

ANTENNA ID: East 3.8 meters Comtech Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Stockton Studio  
 LOCATION: 1225 MO-39, Cedar, Stockton, MO  
 37 ° 41 ' 14.23 " N LAT. 93 ° 48 ' 1.00 " W LONG.

ANTENNA ID: Studio 3.8 meters Unknown Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Toledo Studio  
 LOCATION: 3225 Arlington Road, Lucas, Toledo, OH  
 41 ° 37 ' 0.62 " N LAT. 83 ° 37 ' 17.10 " W LONG.

ANTENNA ID: TOL-XDS 3.8 meters Comtech 3.8M  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

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ANTENNA ID: TOL-CSNR      3.8 meters      Comtech      3.8M  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      digital audio and video signals

SITE ID:      Huntsville Studio  
 LOCATION:      1717 Highway 72 East, Limestone, Athens, AL  
                   34 ° 46 ' 58.60 " N LAT.      86 ° 55 ' 59.00 " W LONG.

ANTENNA ID: AMC-18      3.7 meters      Prodelin      Rx Series 1374  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      digital audio and video signals

ANTENNA ID: Backup      3.4 meters      Prodelin      Rx Series 1344  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      digital audio and video signals

SITE ID:      Lexington Studio  
 LOCATION:      300 West Vine Street Suite 300, Fayette, Lexington, KY  
                   38 ° 2 ' 51.60 " N LAT.      84 ° 30 ' 3.10 " W LONG.

ANTENNA ID: CBAND 1      3.7 meters      Prodelin      1374  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      digital audio and video signals

SITE ID:      Florence Studios  
 LOCATION:      2014 N. Irby Street, Florence, Florence, SC  
                   34 ° 13 ' 54.00 " N LAT.      79 ° 45 ' 7.00 " W LONG.

ANTENNA ID: Sat Dish      3.8 meters      AFC      Unknown  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      digital audio and video signals

SITE ID:      Charleston Studios  
 LOCATION:      4230 Faber Place Drive Suite 100, Charleston, North Charleston, SC  
                   32 ° 50 ' 33.50 " N LAT.      80 ° 1 ' 26.80 " W LONG.

ANTENNA ID: Main 3.8      3.8 meters      Comtech      932d0015-g2  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      digital audio and video signals

ANTENNA ID: Backup      3.8 meters      Comtech      934d0015-g2  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      digital audio and video signals

ANTENNA ID: Backup      3.8 meters      Comtech      934d0015-g2  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      digital audio and video signals

SITE ID:      Tri-Cities Studios  
 LOCATION:      162 Free Hill Road, Washington, Gray, TN  
                   36 ° 24 ' 37.00 " N LAT.      82 ° 27 ' 15.00 " W LONG.

ANTENNA ID:	NW Dish	3.8 meters	Comtech	COM-38M
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	SE Dish	3.8 meters	Comtech	COM-38M
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	750 Battery Street			
LOCATION:	750 Battery Street Suite 300, San Francisco, CA			
	37 ° 47 ' 54.00 " N LAT.			122 ° 24 ' 2.10 " W LONG.
ANTENNA ID:	Battery	3.7 meters	Viking Satcom	P370FAE
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Modesto-Stockton			
LOCATION:	3127 Transworld Drive, San Joaquin, Stockton, CA			
	37 ° 54 ' 32.00 " N LAT.			121 ° 13 ' 35.00 " W LONG.
ANTENNA ID:	Sat 01	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Amarillo Studio			
LOCATION:	301 S Polk, Potter, Amarillo, TX			
	35 ° 12 ' 38.10 " N LAT.			101 ° 50 ' 10.55 " W LONG.
ANTENNA ID:	North	3 meters	Fanon/Courier	f1na
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	South	3 meters	Norsat	3000F-G
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Tinley Park			
LOCATION:	18301 White Eagle Drive, Cook, Tinley Park, IL			
	41 ° 33 ' 25.77 " N LAT.			87 ° 51 ' 1.44 " W LONG.
ANTENNA ID:	Andrew	4.5 meters	Andrew	10296-ds-cku-4.5m
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	WMAS/WHLL			
LOCATION:	101 West Street, Hampden, Springfield, MA			
	42 ° 6 ' 33.34 " N LAT.			72 ° 36 ' 36.32 " W LONG.
ANTENNA ID:	Dish 1	3.7 meters	SEG	8529
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals

ANTENNA ID:	Standby	2.7 meters	Channel Master	11
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Melbourne Studio			
LOCATION:	1800 West Hibiscus Blvd., Brevard, Melbourne, FL			
	28 ° 5 ' 12.00 " N LAT.			80 ° 39 ' 11.00 " W LONG.
ANTENNA ID:	Studio	3.7 meters	Prodelin	3.7M
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Wichita Falls Studio			
LOCATION:	4302 Callfield Road, Wichita, Wichita Falls, TX			
	33 ° 52 ' 21.30 " N LAT.			98 ° 33 ' 4.20 " W LONG.
ANTENNA ID:	Dish #1	3 meters	Comtech	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Dish #2	3 meters	Comtech	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Abilene Studio Site			
LOCATION:	2525 S Danville Drive, Taylor, Abilene, TX			
	32 ° 25 ' 3.96 " N LAT.			99 ° 46 ' 44.56 " W LONG.
ANTENNA ID:	Dish #1	3 meters	Comtech	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Dish #2	3 meters	Comtech	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Dish #3	3 meters	Comtech	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Dish #4	3 meters	Comtech	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Westwood One, Denver			
LOCATION:	8250 South Akron Street, Arapahoe, Centennial, CO			
	39 ° 34 ' 2.00 " N LAT.			104 ° 52 ' 53.00 " W LONG.
ANTENNA ID:	SES-11-A	3 meters	Prodelin	1304-990
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals

ANTENNA ID:	SES-11-B	3.7 meters	Prodelin	1374-990
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Galaxy16	3.7 meters	Prodelin	1374-990
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Birmingham Studio			
LOCATION:	244 Goodwin Crest Drive, Jefferson, Birmingham, AL			
	33 ° 28 ' 20.00 " N LAT.			86 ° 49 ' 59.00 " W LONG.
ANTENNA ID:	Main	3.8 meters	Comtech	3.8
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Backup	3.8 meters	Comtech	3.8
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Myrtle Beach Studios			
LOCATION:	11640 Hwy 17 Bypass, Georgetown, Murrells Inlet, SC			
	33 ° 35 ' 41.00 " N LAT.			79 ° 1 ' 32.00 " W LONG.
ANTENNA ID:	Sat Dish	3.8 meters	Comtech	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Harrisburg Studio			
LOCATION:	2300 Vartan Way Suite 130, Dauphin, Harrisburg, PA			
	40 ° 19 ' 4.84 " N LAT.			76 ° 51 ' 22.10 " W LONG.
ANTENNA ID:	Studio	3.8 meters	DH	3.8M
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Buffalo Studio			
LOCATION:	50 James E. Casey Drive, Erie, Buffalo, NY			
	42 ° 52 ' 45.74 " N LAT.			78 ° 48 ' 22.74 " W LONG.
ANTENNA ID:	Studio	3.8 meters	Comtech	3.8M
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Oxnard-Ventura			
LOCATION:	1376 Walter Street, Ventura, Ventura, CA			
	34 ° 15 ' 36.10 " N LAT.			119 ° 14 ' 16.20 " W LONG.
ANTENNA ID:	Cband	3 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals



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SITE ID: Eugene Studio  
 LOCATION: 1200 Executive Pkwy Suite 400, Lane, Eugene, OR  
 44 ° 4 ' 10.80 " N LAT. 123 ° 6 ' 31.80 " W LONG.

ANTENNA ID: Eugene 3.7 meters Prodelin 1374  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Macon Studio  
 LOCATION: 544 Mulberry Street, Bibb, Macon, GA  
 32 ° 50 ' 13.00 " N LAT. 83 ° 37 ' 38.00 " W LONG.

ANTENNA ID: MainDish 3.7 meters Comtech Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

ANTENNA ID: SecDish 3.7 meters Patriot Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Jenifer Street  
 LOCATION: 4400 Jenifer Street, N/A, Washington, DC  
 38 ° 57 ' 30.00 " N LAT. 77 ° 5 ' 11.00 " W LONG.

ANTENNA ID: Jenifer 3.7 meters Prodelin 1374-995  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Tucson Studios  
 LOCATION: 757 W Roger Road, Pima, Tucson, AZ  
 32 ° 16 ' 37.00 " N LAT. 110 ° 58 ' 53.00 " W LONG.

ANTENNA ID: Sat Dish 6 meters Unknown Unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: WWKI Studio  
 LOCATION: 519 N. Main Street, Howard, Kokomo, IN  
 40 ° 29 ' 27.00 " N LAT. 86 ° 7 ' 54.00 " W LONG.

ANTENNA ID: KISudio 3.8 meters Comtech 534D0015-G1  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: WMDH Studio  
 LOCATION: 1134 State Road 38 West, Henry, New Castle, IN  
 39 ° 55 ' 59.00 " N LAT. 85 ° 24 ' 28.00 " W LONG.

ANTENNA ID: FMStudio 3.8 meters Comtech 934D0015-G1  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio and video signals

SITE ID: Peoria Studio  
 LOCATION: 120 Eaton Street, Peoria, Peoria, IL  
 40 ° 41 ' 34.00 " N LAT. 89 ° 35 ' 2.00 " W LONG.

ANTENNA ID:	AMC-18	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	SES-2	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals

SITE ID: Beaumont Studio  
 LOCATION: 755 South 11th Street Suite 102, Jefferson, Beaumont, TX  
 30 ° 4 ' 14.30 " N LAT. 94 ° 7 ' 42.10 " W LONG.

ANTENNA ID:	Main	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Backup	3 meters	Sami	10
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	TSN	2.4 meters	Sami	8
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals

SITE ID: Memphis Studio  
 LOCATION: 5629 Murray Road, Shelby, Memphis, TN  
 35 ° 6 ' 5.30 " N LAT. 89 ° 52 ' 29.30 " W LONG.

ANTENNA ID:	Studio	3.8 meters	Comtech	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals

SITE ID: Simon Road  
 LOCATION: 4040 Simon Road, Mahoning, Youngstown, OH  
 41 ° 3 ' 27.10 " N LAT. 80 ° 38 ' 18.40 " W LONG.

ANTENNA ID:	Simon1	3.7 meters	DH	37DH448A
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Simon2	3.2 meters	Unknown	Unknown - Mesh
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals

SITE ID: KNBR  
 LOCATION: 1410 Radio Road, San Mateo, Redwood City, CA  
 37 ° 32 ' 49.70 " N LAT. 122 ° 14 ' 3.80 " W LONG.

ANTENNA ID:	Comtech	3.8 meters	Comtech	el/az
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Lake Charles Studio			
LOCATION:	425 Broad Street, Calcasieu Parish, Lake Charles, LA			
	30 ° 13 ' 45.90 " N LAT.			93 ° 12 ' 53.57 " W LONG.
ANTENNA ID:	Main	3.7 meters	Patriot	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Backup	3 meters	Sami	10
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
SITE ID:	Pine Hollow			
LOCATION:	2030 Pine Hollow Blvd., Mercer, Hermitage, PA			
	41 ° 13 ' 11.20 " N LAT.			80 ° 28 ' 19.00 " W LONG.
ANTENNA ID:	Sharon1	3.7 meters	DH	37DH448A
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals
ANTENNA ID:	Sharon2	3.2 meters	Unknown	Unknown - Mesh
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				digital audio and video signals

**Points of Communication:**

- 750 Battery Street - PERMITTED LIST - ()
- 780 Johnson Ferry Rd - PERMITTED LIST - ()
- Abilene Studio Site - PERMITTED LIST - ()
- Abita Springs, TX - PERMITTED LIST - ()
- Albany Studio - PERMITTED LIST - ()
- Allentown Studio - PERMITTED LIST - ()
- Amarillo Studio - PERMITTED LIST - ()
- Ann Arbor Studios - PERMITTED LIST - ()
- Baton Rouge Studio - PERMITTED LIST - ()
- Beaumont Studio - PERMITTED LIST - ()
- Birmingham Studio - PERMITTED LIST - ()
- Blacksburg Studio - PERMITTED LIST - ()
- Bloomington Studio - PERMITTED LIST - ()

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Boise Studios - PERMITTED LIST - ()

Bridgeport Studio - PERMITTED LIST - ()

Buffalo Studio - PERMITTED LIST - ()

Charleston Studios - PERMITTED LIST - ()

Chattanooga Studios - PERMITTED LIST - ()

Cincinnati Studio - PERMITTED LIST - ()

CO Springs Studios - PERMITTED LIST - ()

Columbia, MO Studios - PERMITTED LIST - ()

Columbus Studio - PERMITTED LIST - ()

Culver City - PERMITTED LIST - ()

Des Moines Studio - PERMITTED LIST - ()

Erie Studios - PERMITTED LIST - ()

Eugene Studio - PERMITTED LIST - ()

Fayetteville AR - PERMITTED LIST - ()

Fayetteville-Studios - PERMITTED LIST - ()

Flint Studio Bldg. - PERMITTED LIST - ()

Florence Studios - PERMITTED LIST - ()

Grand Rapids Studio - PERMITTED LIST - ()

Harrisburg Studio - PERMITTED LIST - ()

Huntsville Studio - PERMITTED LIST - ()

Indy Studio Building - PERMITTED LIST - ()

James St. Studios - PERMITTED LIST - ()

Jenifer Street - PERMITTED LIST - ()

KC Studio - PERMITTED LIST - ()

KNBR - PERMITTED LIST - ()

Knoxville Studio - PERMITTED LIST - ()

KRBE Studios - PERMITTED LIST - ()

Lafayette Studios - PERMITTED LIST - ()

Lake Charles Studio - PERMITTED LIST - ()

Lexington Studio - PERMITTED LIST - ()

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Macon Studio - PERMITTED LIST - ()

Melbourne Studio - PERMITTED LIST - ()

Memphis Studio - PERMITTED LIST - ()

MKG-Studio - PERMITTED LIST - ()

Mobile Main Studios - PERMITTED LIST - ()

Modesto-Stockton - PERMITTED LIST - ()

MSP - PERMITTED LIST - ()

Myrtle Beach Studios - PERMITTED LIST - ()

Oklahoma City Studio - PERMITTED LIST - ()

Oxnard-Ventura - PERMITTED LIST - ()

Peoria Studio - PERMITTED LIST - ()

Pine Hollow - PERMITTED LIST - ()

Providence Studios - PERMITTED LIST - ()

Purchase Roof - PERMITTED LIST - ()

Reno Studio - PERMITTED LIST - ()

Saginaw Studio Bldg. - PERMITTED LIST - ()

Shreveport Studios - PERMITTED LIST - ()

Simon Road - PERMITTED LIST - ()

SLC Studios - PERMITTED LIST - ()

St. Charles Studio - PERMITTED LIST - ()

Stockton Studio - PERMITTED LIST - ()

Studios 1301 Gervais - PERMITTED LIST - ()

Tallahassee Studio - PERMITTED LIST - ()

Tinley Park - PERMITTED LIST - ()

Toledo Studio - PERMITTED LIST - ()

Topeka Studio - PERMITTED LIST - ()

Tri-Cities Studios - PERMITTED LIST - ()

Tucson Studios - PERMITTED LIST - ()

Victory - PERMITTED LIST - ()

WBS Studio - PERMITTED LIST - ()

Wellington - PERMITTED LIST - ()

Westwood One, Denver - PERMITTED LIST - ()

Wichita Falls Studio - PERMITTED LIST - ()

Wilmington Studios - PERMITTED LIST - ()

WJR Transmitter - PERMITTED LIST - ()

WMAS/WHLL - PERMITTED LIST - ()

WMDH Studio - PERMITTED LIST - ()

WWKI Studio - PERMITTED LIST - ()

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**SES-REG-20180930-04165** E E190472 Delmarva Broadcasting Company  
Registration 09/30/2018 - 09/30/2033  
Grant of Authority Date Effective: 08/19/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 707 Revolution Street (WXCY), Hartford, Havre de Grace, MD  
39 ° 32 ' 37.95 " N LAT. 75 ° 5 ' 44.35 " W LONG.

ANTENNA ID: WXCY 3.8 meters COMTECH COMTECH 3.8 METER

3700.0000 - 4200.0000 MHz 30M0G7W Digital Audio

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180930-04166** E E190473 Delmarva Broadcasting Company  
Registration 09/30/2018 - 09/30/2033  
Grant of Authority Date Effective: 08/19/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 2727 Shipley Road (Wilmngton 3), New Castle, Wilmington, MD  
39 ° 48 ' 59.28 " N LAT. 75 ° 31 ' 48.33 " W LONG.

ANTENNA ID: Wilmngton3 3.2 meters Channel Master Unknown

3700.0000 - 4200.0000 MHz 30M0G7W Digital Audio

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180930-04167** E E190474 Delmarva Broadcasting Company  
Registration 09/30/2018 - 09/30/2033  
Grant of Authority Date Effective: 08/19/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 2727 Shipley Road (Wilmington #1), New Castle, Wilmington, DE  
31 ° 48 ' 59.63 " N LAT. 75 ° 31 ' 47.43 " W LONG.

ANTENNA ID: Wilmington1 3.8 meters COMTECH COMTECH 3.8 METER  
3700.0000 - 4200.0000 MHz 30M0G7W Digital Audio

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20190801-01026** E E040363 Sirius XM Radio Inc.  
Renewal 10/19/2019 - 10/19/2034  
Grant of Authority Date Effective: 08/15/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 24 Vernon Crossing Road, Sussex, Vernon, NJ  
41 ° 12 ' 45.30 " N LAT. 74 ° 29 ' 38.60 " W LONG.

ANTENNA ID: 1 7.6 meters ASC ES76K-1  
14000.0000 - 14500.0000 MHz 36M0G7W 84.00 dBW QPSK, DIGITAL DATA  
14000.0000 - 14500.0000 MHz 11M0G7W 79.80 dBW QPSK, DIGITAL DATA  
11700.0000 - 12200.0000 MHz 36M0G7W QPSK, DIGITAL DATA  
11700.0000 - 12200.0000 MHz 11M0G7W QPSK, DIGITAL DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20190806-01028** E E040313 CBS Communications Services Inc.  
Renewal 09/07/2019 - 09/07/2034  
Grant of Authority Date Effective: 08/13/2019

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

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SITE ID: 1  
LOCATION: 513 W 57nd Street (WCBS-TV), VARIOUS, NY

ANTENNA ID:	1	1.4 meters	AVL TECHNOLOGIES	1410K
	14000.0000 - 14500.0000 MHz		36M0G7W 67.51 dBW	MCPC DIGITAL CARRIER FOR VIDEO/AUDIO/DATA
	11700.0000 - 12200.0000 MHz		36M0G7W	NONE

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20190806-01031** E E040306 Gray Television Licensee, LLC  
Renewal 08/23/2019 - 08/23/2034  
Grant of Authority Date Effective: 08/13/2019

**Class of Station:** Temporary Fixed Earth Station

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

SITE ID: 1  
LOCATION: VARIOUS

ANTENNA ID:	1	1.2 meters	AVL TECHNOLOGIES	1200 US DSNG
	14000.0000 - 14500.0000 MHz		36M0G7W 62.20 dBW	PSK DIGITAL VIDEO, AUDIO, VOICE AND DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20190807-01027** E E030294 SES Americom, Inc.  
Renewal 09/30/2019 - 09/30/2034  
Grant of Authority Date Effective: 08/19/2019

**Class of Station:** Temporary Fixed Earth Station

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

SITE ID: 1  
LOCATION: VSAT .96M. (100 UNITS) R1-100, CONUS, AK,HI,PR,VI

ANTENNA ID:	R1-100	0.96 meters	CHANNEL MASTER	960TX
	14000.0000 - 14500.0000 MHz		5M50G7D 49.73 dBW	QPSK
	11700.0000 - 12200.0000 MHz		5M50G7D	QPSK

SITE ID: 2  
LOCATION: VSAT 1.2 M. (100 UNITS) R101-200 TP, CONUS AK HI PR US VI



ANTENNA ID:	R101-200	1.2 meters	VERTEX RSI	QUICK DEPLOY
	14000.0000 - 14500.0000 MHz		512KG7W 42.83 dBW	QPSK/TPC 0.66 FEC INFOR RATE 346 KBPS--DATA SERVICES
	11700.0000 - 12200.0000 MHz		512KG7W	QPSK/TPC 0.66 FEC INFOR RATE 346 KBPS--DATA SERVICES

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-RWL-20190808-01032</b>	E E7605	NBC Telemundo License LLC	
Renewal			09/07/2019 - 09/07/2034
Grant of Authority			Date Effective: 08/13/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 3800 HOOPER AVENUE, BALTIMORE, BALTIMORE, MD  
39 ° 20 ' 5.00 " N LAT. 76 ° 39 ' 3.00 " W LONG.

ANTENNA ID:	1	6.1 meters	HARRIS	5346
	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 - ()

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**SES-RWL-20190808-01033** E E7607 NBC Telemundo License LLC  
Renewal 09/07/2019 - 09/07/2034  
Grant of Authority Date Effective: 08/13/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 999 WEST SUNSHINE, GREENE, SPRINGFIELD, MO  
37 ° 10 ' 58.00 " N LAT. 93 ° 18 ' 11.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz 112F9Y 55.00 dBW

14000.0000 - 14500.0000 MHz 36M0G7W 80.00 dBW

11700.0000 - 12200.0000 MHz 36M0G7W

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20190808-01034** E E7612 NBC Telemundo License LLC  
Renewal 09/07/2019 - 09/07/2034  
Grant of Authority Date Effective: 08/13/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 401 THIRD STREET SW, ROANOKE, ROANOKE, VA  
37 ° 16 ' 12.00 " N LAT. 79 ° 56 ' 43.00 " 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 - ()

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**SES-RWL-20190808-01035** E E7613 NBC Telemundo License LLC  
Renewal 09/07/2019 - 09/07/2034  
Grant of Authority Date Effective: 08/13/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: 1  
LOCATION: 101 W. BOARDMAN STREET (WFMJ), MAHONING, YOUNGSTOWN, OH  
41 ° 5 ' 59.00 " N LAT. 80 ° 39 ' 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 - ()

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**SES-RWL-20190809-01037** E E040304 Gray Television Licensee, LLC  
Renewal 09/15/2019 - 09/15/2034  
Grant of Authority Date Effective: 08/13/2019

**Class of Station:** Fixed Earth Stations

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

SITE ID: SITE 1  
LOCATION: 2302 LAPEER ROAD, GENESEE, FLINT, MI  
43 ° 0 ' 28.70 " N LAT. 83 ° 39 ' 55.80 " W LONG.

ANTENNA ID: 1 4.6 meters ANDREW ESA46-124  
14000.0000 - 14500.0000 MHz 36M0F8W 74.00 dBW ANALOG VIDEO AND ASSOCIATED SUBCARRIERS  
14000.0000 - 14500.0000 MHz 36M0G7W 74.00 dBW PSK, DIGITAL VIDEO, AUDIO, VOICE, DATA  
11700.0000 - 12200.0000 MHz 36M0F8W ANALOG VIDEO AND ASSOCIATED SUBCARRIERS  
11700.0000 - 12200.0000 MHz 36M0G7W PSK, DIGITAL VIDEO, AUDIO, VOICE, DATA

**Points of Communication:**

SITE 1 - PERMITTED LIST - ()

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**SES-RWL-20190809-01041** E E040267 Newcom International, Inc.  
Renewal 08/13/2019 - 08/13/2034  
Grant of Authority Date Effective: 08/19/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 15590 N.W. 15TH AVE., DADE, MIAMI, FL  
25 ° 54 ' 59.30 " N LAT. 80 ° 13 ' 29.20 " W LONG.

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ANTENNA ID:	7.3	7.3 meters	ANDREW CORPORATION	7.3M
	6391.0000 - 6425.0000 MHz	128KG7D	64.00 dBW	digital modulation, voice and data services
	6391.0000 - 6425.0000 MHz	34M0G7W	72.60 dBW	digital modulation, voice and data services
	6331.0000 - 6359.0000 MHz	128KG7D	64.00 dBW	digital modulation, voice and data services
	6331.0000 - 6359.0000 MHz	28M0G7W	72.60 dBW	digital modulation, voice and data services
	6272.0000 - 6299.0000 MHz	128KG7D	64.00 dBW	digital modulation, voice and data services
	6272.0000 - 6299.0000 MHz	27M0G7W	72.60 dBW	digital modulation, voice and data services
	6168.0000 - 6240.0000 MHz	128KG7D	64.00 dBW	digital modulation, voice and data services
	6168.0000 - 6240.0000 MHz	45M0G7W	72.60 dBW	digital modulation, voice and data services
	6079.0000 - 6107.0000 MHz	128KG7D	64.00 dBW	digital modulation, voice and data services
	6079.0000 - 6107.0000 MHz	28M0G7W	72.60 dBW	digital modulation, voice and data services
	6020.0000 - 6047.0000 MHz	128KG7D	64.00 dBW	digital modulation, voice and data services
	6020.0000 - 6047.0000 MHz	27M0G7W	72.60 dBW	digital modulation, voice and data services
	5961.0000 - 5988.0000 MHz	128KG7D	64.00 dBW	digital modulation, voice and data services
	5961.0000 - 5988.0000 MHz	27M0G7W	72.60 dBW	digital modulation, voice and data services
	5925.0000 - 6425.0000 MHz	45M0G7W	72.60 dBW	digital modulation, voice and data services
	5925.0000 - 6425.0000 MHz	128KG7D	52.30 dBW	digital modulation, voice and data services
	5925.0000 - 5929.0000 MHz	128KG7D	64.00 dBW	digital modulation, voice and data services
	5925.0000 - 5929.0000 MHz	4M00G7W	72.60 dBW	digital modulation, voice and data services

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3700.0000 - 4200.0000 MHz	45M0G7W		digital modulation, voice and data services
3700.0000 - 4200.0000 MHz	128KG7D		digital modulation, voice and data services
ANTENNA ID: 9.0	9 meters	VERTEX	9 KPC
6391.0000 - 6425.0000 MHz	128KG7D	66.00 dBW	digital modulation, voice and data services
6391.0000 - 6425.0000 MHz	34M0G7W	76.70 dBW	digital modulation, voice and data services
6331.0000 - 6359.0000 MHz	128KG7D	66.00 dBW	digital modulation, voice and data services
6331.0000 - 6359.0000 MHz	28M0G7W	76.70 dBW	digital modulation, voice and data services
6168.0000 - 6240.0000 MHz	128KG7D	66.00 dBW	digital modulation, voice and data services
6168.0000 - 6240.0000 MHz	45M0G7W	76.70 dBW	digital modulation, voice and data services
6079.0000 - 6107.0000 MHz	128KG7D	66.00 dBW	digital modulation, voice and data services
6079.0000 - 6107.0000 MHz	28M0G7W	76.70 dBW	digital modulation, voice and data services
6020.0000 - 6047.0000 MHz	128KG7D	66.00 dBW	digital modulation, voice and data services
6020.0000 - 6047.0000 MHz	27M0G7W	76.70 dBW	digital modulation, voice and data services
5961.0000 - 5988.0000 MHz	128KG7D	66.00 dBW	digital modulation, voice and data services
5961.0000 - 5988.0000 MHz	27M0G7W	76.70 dBW	digital modulation, voice and data services
5925.0000 - 6425.0000 MHz	128KG7D	52.40 dBW	digital modulation, voice and data services
5925.0000 - 6425.0000 MHz	45M0G7W	76.70 dBW	digital modulation, voice and data services
5925.0000 - 5929.0000 MHz	128KG7D	66.00 dBW	digital modulation, voice and data services
5925.0000 - 5929.0000 MHz	4M00G7W	76.70 dBW	digital modulation, voice and data services

	3700.0000 - 4200.0000 MHz	128KG7D		digital modulation, voice and data services
	3700.0000 - 4200.0000 MHz	45M0G7W		digital modulation, voice and data services
ANTENNA ID:	7.3a	7.3 meters	ANDREW CORPORATION	ESA73-46A
	6391.0000 - 6425.0000 MHz	128KG7D	64.00 dBW	digital modulation, data services
	6391.0000 - 6425.0000 MHz	34M0G7W	72.60 dBW	digital modulation, data services
	6331.0000 - 6359.0000 MHz	128KG7D	64.00 dBW	digital modulation, data services
	6331.0000 - 6359.0000 MHz	28M0G7W	72.60 dBW	digital modulation, data services
	6168.0000 - 6240.0000 MHz	128KG7D	64.00 dBW	digital modulation, data services
	6168.0000 - 6240.0000 MHz	45M0G7W	72.60 dBW	digital modulation, data services
	6079.0000 - 6107.0000 MHz	128KG7D	64.00 dBW	digital modulation, data services
	6079.0000 - 6107.0000 MHz	28M0G7W	72.60 dBW	digital modulation, data services
	6020.0000 - 6047.0000 MHz	128KG7D	64.00 dBW	digital modulation, data services
	6020.0000 - 6047.0000 MHz	27M0G7W	72.60 dBW	digital modulation, data services
	5961.0000 - 5988.0000 MHz	128KG7D	64.00 dBW	digital modulation, data services
	5961.0000 - 5988.0000 MHz	27M0G7W	72.60 dBW	digital modulation, voice and data services
	5925.0000 - 6425.0000 MHz	128KG7D	52.30 dBW	digital modulation, data services
	5925.0000 - 6425.0000 MHz	45M0G7W	72.30 dBW	digital modulation, data services
	5925.0000 - 5929.0000 MHz	128KG7D	64.00 dBW	digital modulation, data services
	5925.0000 - 5929.0000 MHz	4M00G7W	72.60 dBW	digital modulation, data services
	3700.0000 - 4200.0000 MHz	128KG7D		digital modulation, data services
	3700.0000 - 4200.0000 MHz	45M0G7W		digital modulation, data services
ANTENNA ID:	7.6m	7.6 meters	ANDREW CORP.	ES76K-1
	14000.0000 - 14500.0000 MHz	36M0G7W	82.30 dBW	digital w/various modulation, forward error correction, and data rate configurations
	14000.0000 - 14500.0000 MHz	51K2G7W	56.37 dBW	digital w/various modulation, forward error correction, and data rate configurations

11700.0000 - 12200.0000 MHz	36M0G7W	digital w/various modulation, forward error correction, and data rate configurations
11700.0000 - 12200.0000 MHz	51K2G7W	digital w/various modulation, forward error correction, and data rate configurations

**Points of Communication:**

- 1 - Eutelsat I13WA(S2695) - (113 W.L.)
- 1 - NSS-7 (S2854) - (20 W.L.)
- 1 - PERMITTED LIST - ()
- 1 - SOLIDARIDAD F-2 - (113.0 W.L.)

**SES-RWL-20190809-01042**    E E940441    HNS License Sub, LLC  
Renewal    09/09/2019 - 09/09/2034  
Grant of Authority    Date Effective:    08/14/2019

**Class of Station:**    Fixed Earth Stations

**Nature of Service:**    Fixed Satellite Service

SITE ID:    1  
LOCATION:    AERONAUTICAL CENTER 6500 S. MACARTHUR BLVD, OKLAHOMA, OKLAHOMA CITY, OK  
35 ° 24 ' 2.90 " N LAT.    97 ° 37 ' 11.80 " W LONG.

ANTENNA ID:    1    4.6 meters    ANDREWS    ES46P

14000.0000 - 14500.0000 MHz	1M98G7W	68.30 dBW
14000.0000 - 14500.0000 MHz	3M96G7W	70.90 dBW
11700.0000 - 12200.0000 MHz	1M98G7W	
11700.0000 - 12200.0000 MHz	3M96G7W	

**Points of Communication:**

- 1 - PERMITTED LIST - ()

**SES-STA-20190729-01011**    E E110120    Intelsat License LLC  
Special Temporary Authority  
Grant of Authority    Date Effective:    08/15/2019

**Class of Station:**

On August 15, 2019, Intelsat License LLC was granted special temporary authority for 60 days, beginning August 15, 2019, to operate its fixed earth station in Hagerstown, MD to provide customer restoration services for customers affected by the Intelsat 29e (S2913) satellite anomaly with the Estrela Do Sul 2 (S2821) satellite at the 63° W.L. orbital location in the 13750-14000 MHz (Earth-to-space) frequency band.

**Points of Communication:**

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**SES-STA-20190730-01012**    E E050169    Intelsat License LLC

Special Temporary Authority  
Grant of Authority

Date Effective:    08/15/2019

**Class of Station:**

On August 15, 2019, Intelsat License LLC was granted special temporary authority for 30 days, beginning August 15, 2019, to operate its VSAT terminal in Liberty, WA and its VSAT hub in Ellenwood, GA to communicate with Intelsat satellites on Permitted List in the 14346.5-14358.0 MHz (Earth-to-space) and 12046.5-12058.0 MHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**CORRECTIONS**

**SES-MOD-20180906-03566**            E860378            Scripps Broadcasting Holdings LLC

Application to modify the Scripps Broadcasting Holdings LLC registration was placed on the Action Taken Public Notice, Report No. SES-02190, dated August 14, 2019, with a few minor errors: the street address was Lane instead of Road, the 4.5-meter antenna should have been deleted and the 7.3-meter antenna in the notice should have been a 7.6-meter antenna.

**SURRENDER**

**SES-RWL-20040611-00816**            E940337            WSTQ Licensee, LLC

License surrendered by letter filed on August 15, 2019.

**SES-RWL-20040920-01409**            E950031            WUHF Licensee, LLC

License surrendered by letter filed on August 15, 2019.

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