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14000.0000 - 14500.0000 MHz	2M40G7D	43.89 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M50G7D	44.57 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M66G7D	44.55 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M79G7D	44.48 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M89G7D	44.55 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M90G7D	44.49 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M57G7D	44.53 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	882KG7D	44.56 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	9M36G7D	42.32 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	8M19G7D	43.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M10G7D	38.10 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M40G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M00G7W	44.33 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M20G7W	44.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M67G7W	42.74 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M75G7W	43.10 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M76G7W	43.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	830KG7W	42.40 dBW	DIGITAL DATA SERVICES
12200.0000 - 12750.0000 MHz	30M0G7D	0.00 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	6M35G7W	43.70 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	2M50G7W	44.25 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	2M30G7W	44.50 dBW	Digital Data Services

14000.0000 - 14250.0000 MHz	2M05G7W	42.67 dBW	Digital Data Services
11200.0000 - 11450.0000 MHz	30M0G7W		Digital Data Services
10700.0000 - 12750.0000 MHz	138MG7W		DIGITAL DATA SERVICES

SITE ID: AES2  
LOCATION: UP TO 1000 ESAA TERMINALS (0.74 m), CONUS and OCONUS

ANTENNA ID:	AES2	0.74 meters	THINKOM	2KUANTENNA
14000.0000 - 14500.0000 MHz	7M28G7D	41.60 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	1M51G7D	44.60 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	1M80G7D	43.20 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	2M00G7D	43.90 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	2M00G7D	44.60 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	2M10G7D	44.20 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	2M27G7D	44.60 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	2M40G7D	44.50 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	3M00G7D	44.50 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	3M60G7D	44.60 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	4M10G7D	41.60 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	4M80G7D	44.60 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	5M60G7D	44.50 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	5M64G7D	40.70 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	5M83G7D	44.50 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	5M97G7D	43.10 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	6M72G7D	42.30 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	7M17G7D	40.90 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	7M40G7D	41.40 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	7M50G7D	41.60 dBW	DIGITAL DATA SERVICES	
14000.0000 - 14500.0000 MHz	8M00G7D	44.60 dBW	DIGITAL DATA SERVICES	

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14000.0000 - 14500.0000 MHz	8M10G7D	43.20 dBW	DIGITAL DATA SERVICES
10950.0000 - 11200.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
11450.0000 - 11700.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
11700.0000 - 12200.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
12250.0000 - 12750.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M00G7W	44.71 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M20G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M75G7W	42.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7W	46.98 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M00G7W	50.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M00G7W	45.94 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M00G7W	45.08 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M48G7W	43.87 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	930KG7W	42.40 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M20G7W	42.43 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M35G7W	44.80 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M05G7W	45.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M50G7W	48.70 dBW	DIGITAL DATA SERVICES
14000.0000 - 14250.0000 MHz	2M05G7W	41.70 dBW	DIGITAL DATA SERVICES
11200.0000 - 11450.0000 MHz	30M0G7W		DIGITAL DATA SERVICES
10700.0000 - 12750.0000 MHz	138MG7W		DIGITAL DATA SERVICES

**Points of Communication:**

AES1 - ABS-3A (S2987) - (3 W. L.)

AES1 - ABS-3A (S2987) - (3.0 W.L.)

AES1 - AMAZONAS 2 (S2793) - (61 W.L.)

AES1 - AMC 21 - (124.9 W.L.)

AES1 - AMC-1(S2445) - (130.90)

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AES1 - AMC-6 (S2347) - (83 W.L.)

AES1 - APSTAR 5 - (138 E.L.)

AES1 - APSTAR 6C - (134 E.L.)

AES1 - ARSAT-2 - (81.0 W.L.)

AES1 - AsiaSat 7 - (105.5 E.L.)

AES1 - AsiaSat-9 - (122 E.L.)

AES1 - ASTRA 4A - (4.8 E.L.)

AES1 - E117 WA (S2873) - (116.8 W.L.)

AES1 - EUTELSAT115WB(S2938) - (114.9 W.L.)

AES1 - EUTELSAT172B(S3021) - (172 E.L.)

AES1 - GALAXY 17 (S2715) - (91 W.L.)

AES1 - GALAXY 28 (S2160) - (89.0 W.L.)

AES1 - HORIZONS-3 (S2947) - (169 E.L.)

AES1 - INTELSAT 14 (S2785) - (45.0 W.L.)

AES1 - INTELSAT 18 (S2817) - (180 E.L.)

AES1 - INTELSAT 19 (S2850) - (166.0 E.L.)

AES1 - INTELSAT 20 - (68.5 E.L.)

AES1 - INTELSAT 21 (S2863) - (58.0 W.L.)

AES1 - INTELSAT 22 - (72.1 E. L.)

AES1 - INTELSAT 29e (S2913) - (50.0 W.L.)

AES1 - INTELSAT 33e (S2939) - (60.0 E.L.)

AES1 - INTELSAT 37e (S2972) - (18.0 W.L.)

AES1 - INTELSAT 907 (S2411) - (27.5 W.L.)

AES1 - JCSAT 5A - (132 E.L.)

AES1 - JCSAT-2B - (154 E.L.)

AES1 - JCSAT-3A - (128 E.L.)

AES1 - OPTUS D2 - (152 E.L.)

AES1 - SES-1 (S2807) - (101.0 W.L.)

AES1 - SES-10 (S2950) - (66.9 W.L.)

AES1 - SES-14 (S2974) - (47.5 W.L.)

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AES1 - SES-15 (S2951) - (129.15 W.L.)

AES1 - SES-2 (S2826) - (87 W.L.)

AES1 - SES-3 (S2892) - (103 W.L.)

AES1 - SES-4 (S2828) - (22.0 W.L.)

AES1 - SES-6 (S2870) - (40.5 W.L.)

AES1 - TELSTAR 11N (S2357) - (37.5 W.L.)

AES1 - TELSTAR 12 V (S2933) - (15 W.L.)

AES1 - TELSTAR 18 - (138 E. L.)

AES1 - Yamal 300K - (177 W.L.)

AES1 - Yamal 401 - (90 E.L.)

AES2 - AMAZONAS 2 (S2793) - (61 W.L.)

AES2 - AMC 21 - (124.9 W.L.)

AES2 - AMC-4 (S2135) - (134.9 W.L.)

AES2 - AMC-6 (S2347) - (83 W.L.)

AES2 - AMC-6 (S2347) - (83 W.L.)

AES2 - APSTAR 5 - (138 E.L.)

AES2 - APSTAR 6C - (134 E.L.)

AES2 - ARSAT-2 - (81.0 W.L.)

AES2 - AsiaSat 7 - (105.5 E.L.)

AES2 - AsiaSat-9 - (122 E.L.)

AES2 - ASTRA 4A - (4.8 E.L.)

AES2 - E117 WA (S2873) - (116.8 W.L.)

AES2 - EUTELSAT115WB(S2938) - (114.9 W.L.)

AES2 - GALAXY 17 (S2715) - (91 W.L.)

AES2 - GALAXY 28 (S2160) - (89.0 W.L.)

AES2 - HORIZONS-3 (S2947) - (169 E.L.)

AES2 - INTELSAT 14 (S2785) - (45.0 W.L.)

AES2 - INTELSAT 18 (S2817) - (180 E.L.)

AES2 - INTELSAT 19 (S2850) - (166.0 E.L.)

AES2 - INTELSAT 20 - (68.5 E.L.)

AES2 - INTELSAT 21 (S2863) - (58.0 W.L.)

AES2 - INTELSAT 22 - (72.1 E. L.)

AES2 - INTELSAT 29e (S2913) - (50.0 W.L.)

AES2 - INTELSAT 33e (S2939) - (60.0 E.L.)

AES2 - INTELSAT 37e (S2972) - (18.0 W.L.)

AES2 - INTELSAT 907 (S2411) - (27.5 W.L.)

AES2 - JCSAT-110A - (110 E. L.)

AES2 - JCSAT-2B - (154 E.L.)

AES2 - JCSAT-3A - (128 E.L.)

AES2 - OPTUS D2 - (152 E.L.)

AES2 - SES-1 (S2807) - (101.0 W.L.)

AES2 - SES-10 (S2950) - (66.9 W.L.)

AES2 - SES-14 (S2974) - (47.5 W.L.)

AES2 - SES-15 (S2951) - (129.15 W.L.)

AES2 - SES-3 (S2892) - (103 W.L.)

AES2 - SES-4 (S2828) - (22.0 W.L.)

AES2 - SES-6 (S2870) - (40.5 W.L.)

AES2 - TELSTAR 11N (S2357) - (37.5 W.L.)

AES2 - TELSTAR 12 V (S2933) - (15 W.L.)

AES2 - TELSTAR 18 - (138 E. L.)

AES2 - Yamal 300K - (177 W.L.)

AES2 - Yamal 401 - (90 E.L.)

**SES-AMD-20181016-03241**    E E181395    Spectrum Mid-America, LLC  
 Amendment  
 Grant of Authority

Date Effective: 07/19/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 333 Mesa Ridge, Knott, Bulan, KY  
 37 ° 21 ' 26.00 " N LAT.

83 ° 6 ' 35.60 " W LONG.

ANTENNA ID: 1                      5 meters                      Antenna Technology Corp.                      Simulsat 5M

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3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 2	5 meters Scientific-Atlanta	8008B
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 3	4.6 meters Andrew	ESA46
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 4	4.6 meters Scientific-Atlanta	8346
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 5	4.5 meters Andrew	ESA45
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 6	4.5 meters DH Satellite	4.5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 7	4.5 meters Scientific-Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 8	3.8 meters Comtech	934D0015-G5
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 9	3.7 meters Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 10	1.8 meters Patriot	TX-INT180KU
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 11	2.7 meters SA	80280
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-ASG-20190614-00792** E E080069 E! Entertainment Television, LLC  
Application for Consent to Assignment  
Grant of Authority Date Effective: 07/23/2019

**Current Licensee:** E! Entertainment Television, LLC  
**FROM:** E! Entertainment Television, LLC  
**TO:** TGC, LLC

No. of Station(s) listed: 1

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**SES-LIC-20190203-00052** E E190028 RiteNet Corp.  
Application for Authority 07/17/2019 - 07/17/2034  
Grant of Authority Date Effective: 07/17/2019

**Class of Station:** Blanket Earth Stations

**Nature of Service:** Earth Station Aboard Aircraft, Fixed Satellite Service

SITE ID: 1  
LOCATION: ESAA Network U.S., Foreign, and Internati

ANTENNA ID:	BB45Ku	0.45 meters	SkyTech	BB45
	14000.0000 - 14500.0000 MHz	20M0G7W	46.70 dBW	BPSK,QPSK
	11700.0000 - 12200.0000 MHz	30M0G7W		BPSK,QPSK
	11450.0000 - 11700.0000 MHz	30M0G7W		BPSK,QPSK
	10950.0000 - 11200.0000 MHz	30M0G7W		BPSK,QPSK

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-LIC-20190312-00382** E E190125 WML Services, LLC  
Application for Authority 07/23/2019 - 07/23/2034  
Grant of Authority Date Effective: 07/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 7200 Campbellton Rd, Fulton, Atlanta, GA  
33 ° 41 ' 26.30 " N LAT. 84 ° 37 ' 22.90 " W LONG.

ANTENNA ID:	1	7 meters	Scientific Atlanta	8010K
	11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	8PSK, QPSK, digital video
	14000.0000 - 14500.0000 MHz	36M0G7F	78.00 dBW	8PSK, QPSK, digital video

SITE ID: 2  
LOCATION: 7200 Campbellton Rd, Fulton, Atlanta, GA  
33 ° 41 ' 27.00 " N LAT. 84 ° 37 ' 22.00 " W LONG.

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ANTENNA ID:	2	7 meters	Scientific Atlanta	8010
	11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	8PSK, QPSK, digital video
	14000.0000 - 14500.0000 MHz	36M0G7F	78.00 dBW	8PSK, QPSK, digital video

**Points of Communication:**

1 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()

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<b>SES-LIC-20190312-00383</b>	E	E190126	WML Services, LLC	
Application for Authority				07/23/2019 - 07/23/2034
Grant of Authority				Date Effective: 07/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA  
33 ° 47 ' 1.00 " N LAT. 84 ° 23 ' 39.00 " W LONG.

ANTENNA ID:	1	4.5 meters	Scientific Atlanta	8345
	11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	8PSK, QPSK, digital video
	14000.0000 - 14500.0000 MHz	36M0G7F	73.00 dBW	8PSK, QPSK, digital video

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-LIC-20190312-00466</b>	E	E190172	WML Services, LLC	
Application for Authority				07/23/2019 - 07/23/2034
Grant of Authority				Date Effective: 07/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA  
33 ° 47 ' 4.00 " N LAT. 84 ° 23 ' 42.00 " W LONG.

ANTENNA ID:	1	7 meters	Scientific Atlanta	8128
	11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	8PSK, QPSK, digital video
	14000.0000 - 14500.0000 MHz	36M0G7F	81.47 dBW	8PSK, QPSK, digital video
	14000.0000 - 14500.0000 MHz	6M00G7F	70.56 dBW	8PSK, QPSK, digital video

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**Points of Communication:**

- 1 - INTELSAT 14 (S2785) - (45.0 W.L.)
- 1 - INTELSAT 21 (S2863) - (58.0 W.L.)
- 1 - INTELSAT 23 - (53 W. L.)
- 1 - INTELSAT 25 (S2804) - (31.5 W.L.)
- 1 - INTELSAT 29e (S2913) - (50.0 W.L.)
- 1 - INTELSAT 34(S2915) - (55.5 W.L.)
- 1 - INTELSAT 35e(S2959) - (34.5 W.L.)
- 1 - Intelsat 905 (S2409) - (24.5 W.L.)
- 1 - INTELSAT 907 (S2411) - (27.5 W.L.)
- 1 - NSS-7 (S2854) - (20 W.L.)
- 1 - PERMITTED LIST - ()
- 1 - SES-4 (S2828) - (22.0 W.L.)
- 1 - SES-6 (S2870) - (40.5 W.L.)
- 1 - TELSTAR 11N (S2357) - (37.5 W.L.)

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**SES-LIC-20190612-00762** E E030214 Nexstar Broadcasting, Inc.  
Application for Authority  
Grant of Authority

07/22/2019 - 07/22/2034  
Date Effective: 07/22/2019

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

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: Continental US

ANTENNA ID:	1	1.2 meters	AVL Technology	1200 USADSN
	11700.0000 - 12200.0000 MHz	36M0F8W	0.00 dBW	
	14000.0000 - 14500.0000 MHz	36M0G7W	64.29 dBW	QPSK MPEG-2 Digital Carrier for Video / Voice / Data
	14000.0000 - 14500.0000 MHz	36M0F8W	64.29 dBW	Analog TV FM Modulation Full Transponder / Audio & ATIS Subcarrier
	11700.0000 - 12200.0000 MHz	36M0G7W		

**Points of Communication:**

- 1 - PERMITTED LIST - ()
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Modification

05/01/2013 - 05/01/2028

Grant of Authority

Date Effective: 07/22/2019

**Class of Station:** Blanket Earth Stations

**Nature of Service:** Earth Station Aboard Aircraft, Fixed Satellite Service

SITE ID: AES1

LOCATION: UP TO 1000 ESAA TERMINALS (0.24 m), CONUS and OCONUS

ANTENNA ID:	AES1	0.24 meters	AeroSat	HR6400
	14000.0000 - 14500.0000 MHz	8M00G7D	44.50 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	6M94G7D	44.45 dBW	DIGITAL DATA SERVICES
	11700.0000 - 12200.0000 MHz	30M0G7D		Digital Data Services
	10950.0000 - 11200.0000 MHz	30M0G7D		Digital Data Services
	11450.0000 - 11700.0000 MHz	30M0G7D		Digital Data Services
	14000.0000 - 14500.0000 MHz	6M56G7D	44.43 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	6M00G7D	44.40 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	4M10G7D	42.80 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	2M34G7D	44.63 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	2M40G7D	43.89 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	2M50G7D	44.57 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	3M66G7D	44.55 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	3M79G7D	44.48 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	3M89G7D	44.55 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	3M90G7D	44.49 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	6M57G7D	44.53 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	882KG7D	44.56 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	9M36G7D	42.32 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	8M19G7D	43.20 dBW	DIGITAL DATA SERVICES
	14000.0000 - 14500.0000 MHz	4M10G7D	38.10 dBW	DIGITAL DATA SERVICES

14000.0000 - 14500.0000 MHz	1M40G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M00G7W	44.33 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M20G7W	44.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M67G7W	42.74 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M75G7W	43.10 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M00G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M76G7W	43.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	830KG7W	42.40 dBW	DIGITAL DATA SERVICES
12200.0000 - 12750.0000 MHz	30M0G7D	0.00 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	6M35G7W	43.70 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	2M50G7W	44.25 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	2M30G7W	44.50 dBW	Digital Data Services
14000.0000 - 14250.0000 MHz	2M05G7W	42.67 dBW	Digital Data Services
11200.0000 - 11450.0000 MHz	30M0G7W		Digital Data Services
10700.0000 - 12750.0000 MHz	138MG7W		DIGITAL DATA SERVICES

SITE ID: AES2  
LOCATION: UP TO 1000 ESAA TERMINALS (0.74 m), CONUS and OCONUS

ANTENNA ID: AES2	0.74 meters	THINKOM	2KUANTENNA
14000.0000 - 14500.0000 MHz	7M28G7D	41.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M51G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M80G7D	43.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7D	43.90 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M10G7D	44.20 dBW	DIGITAL DATA SERVICES

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14000.0000 - 14500.0000 MHz	2M27G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M40G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M00G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M60G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M10G7D	41.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M80G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M60G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M64G7D	40.70 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M83G7D	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M97G7D	43.10 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M72G7D	42.30 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M17G7D	40.90 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M40G7D	41.40 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M50G7D	41.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	8M00G7D	44.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	8M10G7D	43.20 dBW	DIGITAL DATA SERVICES
10950.0000 - 11200.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
11450.0000 - 11700.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
11700.0000 - 12200.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
12250.0000 - 12750.0000 MHz	30M0G7D		DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M00G7W	44.71 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M20G7W	44.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	1M75G7W	42.60 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M00G7W	46.98 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	3M00G7W	50.20 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	4M00G7W	45.94 dBW	DIGITAL DATA SERVICES

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14000.0000 - 14500.0000 MHz	6M00G7W	45.08 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M48G7W	43.87 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	930KG7W	42.40 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	7M20G7W	42.43 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	6M35G7W	44.80 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	5M05G7W	45.50 dBW	DIGITAL DATA SERVICES
14000.0000 - 14500.0000 MHz	2M50G7W	48.70 dBW	DIGITAL DATA SERVICES
14000.0000 - 14250.0000 MHz	2M05G7W	41.70 dBW	DIGITAL DATA SERVICES
11200.0000 - 11450.0000 MHz	30M0G7W		DIGITAL DATA SERVICES
10700.0000 - 12750.0000 MHz	138MG7W		DIGITAL DATA SERVICES

**Points of Communication:**

- AES1 - ABS-3A (S2987) - (3 W. L.)
- AES1 - ABS-3A (S2987) - (3.0 W.L.)
- AES1 - AMAZONAS 2 (S2793) - (61 W.L.)
- AES1 - AMC 21 - (124.9 W.L.)
- AES1 - AMC-1(S2445) - (130.90)
- AES1 - AMC-6 (S2347) - (83 W.L.)
- AES1 - APSTAR 5 - (138 E.L.)
- AES1 - APSTAR 6C - (134 E.L.)
- AES1 - ARSAT-2 - (81.0 W.L.)
- AES1 - AsiaSat 7 - (105.5 E.L.)
- AES1 - AsiaSat-9 - (122 E.L)
- AES1 - ASTRA 4A - (4.8 E.L.)
- AES1 - E117 WA (S2873) - (116.8 W.L.)
- AES1 - EUTELSAT115WB(S2938) - (114.9 W.L.)
- AES1 - EUTELSAT172B(S3021) - (172 E.L.)
- AES1 - GALAXY 17 (S2715) - (91 W.L.)
- AES1 - GALAXY 28 (S2160) - (89.0 W.L.)

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AES1 - HORIZONS-3 (S2947) - (169 E.L.)

AES1 - INTELSAT 14 (S2785) - (45.0 W.L.)

AES1 - INTELSAT 18 (S2817) - (180 E.L.)

AES1 - INTELSAT 19 (S2850) - (166.0 E.L.)

AES1 - INTELSAT 20 - (68.5 E.L.)

AES1 - INTELSAT 21 (S2863) - (58.0 W.L.)

AES1 - INTELSAT 22 - (72.1 E. L.)

AES1 - INTELSAT 29e (S2913) - (50.0 W.L.)

AES1 - INTELSAT 33e (S2939) - (60.0 E.L.)

AES1 - INTELSAT 37e (S2972) - (18.0 W.L.)

AES1 - INTELSAT 907 (S2411) - (27.5 W.L.)

AES1 - JCSAT 5A - (132 E.L.)

AES1 - JCSAT-2B - (154 E.L.)

AES1 - JCSAT-3A - (128 E.L.)

AES1 - OPTUS D2 - (152 E.L.)

AES1 - SES-1 (S2807) - (101.0 W.L.)

AES1 - SES-10 (S2950) - (66.9 W.L.)

AES1 - SES-14 (S2974) - (47.5 W.L.)

AES1 - SES-15 (S2951) - (129.15 W.L.)

AES1 - SES-2 (S2826) - (87 W.L.)

AES1 - SES-3 (S2892) - (103 W.L.)

AES1 - SES-4 (S2828) - (22.0 W.L.)

AES1 - SES-6 (S2870) - (40.5 W.L.)

AES1 - TELSTAR 11N (S2357) - (37.5 W.L.)

AES1 - TELSTAR 12 V (S2933) - (15 W.L.)

AES1 - TELSTAR 18 - (138 E. L.)

AES1 - Yamal 300K - (177 W.L.)

AES1 - Yamal 401 - (90 E.L.)

AES2 - AMAZONAS 2 (S2793) - (61 W.L.)

AES2 - AMC 21 - (124.9 W.L.)

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AES2 - AMC-4 (S2135) - (134.9 W.L.)

AES2 - AMC-6 (S2347) - (83 W.L.)

AES2 - AMC-6 (S2347) - (83 W.L.)

AES2 - APSTAR 5 - (138 E.L.)

AES2 - APSTAR 6C - (134 E.L.)

AES2 - ARSAT-2 - (81.0 W.L.)

AES2 - AsiaSat 7 - (105.5 E.L.)

AES2 - AsiaSat-9 - (122 E.L.)

AES2 - ASTRA 4A - (4.8 E.L.)

AES2 - E117 WA (S2873) - (116.8 W.L.)

AES2 - EUTELSAT115WB(S2938) - (114.9 W.L.)

AES2 - GALAXY 17 (S2715) - (91 W.L.)

AES2 - GALAXY 28 (S2160) - (89.0 W.L.)

AES2 - HORIZONS-3 (S2947) - (169 E.L.)

AES2 - INTELSAT 14 (S2785) - (45.0 W.L.)

AES2 - INTELSAT 18 (S2817) - (180 E.L.)

AES2 - INTELSAT 19 (S2850) - (166.0 E.L.)

AES2 - INTELSAT 20 - (68.5 E.L.)

AES2 - INTELSAT 21 (S2863) - (58.0 W.L.)

AES2 - INTELSAT 22 - (72.1 E. L.)

AES2 - INTELSAT 29e (S2913) - (50.0 W.L.)

AES2 - INTELSAT 33e (S2939) - (60.0 E.L.)

AES2 - INTELSAT 37e (S2972) - (18.0 W.L.)

AES2 - INTELSAT 907 (S2411) - (27.5 W.L.)

AES2 - JCSAT-110A - (110 E. L.)

AES2 - JCSAT-2B - (154 E.L.)

AES2 - JCSAT-3A - (128 E.L.)

AES2 - OPTUS D2 - (152 E.L.)

AES2 - SES-1 (S2807) - (101.0 W.L.)

AES2 - SES-10 (S2950) - (66.9 W.L.)

AES2 - SES-14 (S2974) - (47.5 W.L.)

AES2 - SES-15 (S2951) - (129.15 W.L.)

AES2 - SES-3 (S2892) - (103 W.L.)

AES2 - SES-4 (S2828) - (22.0 W.L.)

AES2 - SES-6 (S2870) - (40.5 W.L.)

AES2 - TELSTAR 11N (S2357) - (37.5 W.L.)

AES2 - TELSTAR 12 V (S2933) - (15 W.L.)

AES2 - TELSTAR 18 - (138 E. L.)

AES2 - Yamal 300K - (177 W.L.)

AES2 - Yamal 401 - (90 E.L.)

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**SES-MFS-20190710-00898**    E E080100    Global Eagle Telecom Licensing Subsidiary LLC  
 Modification    08/05/2009 - 08/05/2024  
 Withdrawn    Date Effective:    07/19/2019

**Class of Station:**    Other

**Nature of Service:**    Earth Station Aboard Aircraft, Fixed Satellite Service

SITE ID:    1

LOCATION:    (.6M) CONUS, +TERR, INTERNATIONAL WATERS

ANTENNA ID:    1	0.6 meters	AeroSat Avionics	70-100-0000-01
14050.0000 - 14470.0000 MHz	1M60G7D	38.60 dBW	QPSK OR OCTAL PSK
11700.0000 - 12200.0000 MHz	36M0G7D	0.00 dBW	QPSK OR OCTAL PSK

SITE ID:    2

LOCATION:    (.62M) CONUS,+ TERR, INTERNATIONAL WATERS

ANTENNA ID:    2	0.62 meters	TECOM	Ku-Stream
14050.0000 - 14470.0000 MHz	1M60G7D	41.30 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	6M40G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M60G7D	38.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	3M20G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	3M20G7D	41.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M60G7D	36.00 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M60G7D	41.30 dBW	QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz	3M20G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M20G7D	42.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	2M04G7D	42.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	4M09G7D	42.80 dBW	QPSK OR OCTAL PSK
12250.0000 - 12750.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11450.0000 - 12200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11200.0000 - 11450.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10700.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK

SITE ID: 3

LOCATION: (.63M) CONUS,+ TERR, INTERNATIONAL WATERS

ANTENNA ID: 3	0.63 meters	QEST	Q050000
14050.0000 - 14470.0000 MHz	4M09G7D	41.90 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	2M04G7D	41.90 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M02G7D	41.90 dBW	QPSK OR OCTAL PSK
12200.0000 - 12500.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11450.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11200.0000 - 11450.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10700.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK

**Points of Communication:**

- 1 - AMC 9 (S2434) - (83 W.L.)
- 1 - HORIZONS 1 (S2475) - (127 WL)
- 1 - SES-1 (S2807) - (101.0 W.L.)
- 2 - AMC 2 - (84.85)

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- 2 - AMC 9 (S2434) - (83 W.L.)
  - 2 - AMC-1(S2445) - (130.90)
  - 2 - AMC-3 - (72 W.L.)
  - 2 - E117 WA (S2873) - (116.8 W.L.)
  - 2 - ESTRELA DO SUL 2 - (63 W.L.)
  - 2 - EUTELSAT115WA(S2589) - (114.9 W.L.)
  - 2 - EUTELSAT115WB(S2938) - (114.9 W.L.)
  - 2 - HORIZONS 1 (S2475) - (127 WL)
  - 2 - INTELSAT 19 (S2850) - (166.0 E.L.)
  - 2 - INTELSAT 29e (S2913) - (50.0 W.L.)
  - 2 - SES-1 (S2807) - (101.0 W.L.)
  - 2 - SES-10 (S2950) - (66.9 W.L.)
  - 2 - SES-15 (S2951) - (129.15 W.L)
  - 2 - SES-6 (S2870) - (40.5 W.L.)
  - 2 - TELSTAR 11N (S2357) - (37.5 W.L.)
  - 2 - Telstar 12 (S2462) - (109.2)
  - 3 - AMC 2 - (84.85)
  - 3 - AMC 9 (S2434) - (83 W.L.)
  - 3 - AMC-1(S2445) - (130.90)
  - 3 - AMC-3 - (72 W.L.)
  - 3 - EUTELSAT115WB(S2938) - (114.9 W.L.)
  - 3 - INTELSAT 29e (S2913) - (50.0 W.L.)
  - 3 - SES-1 (S2807) - (101.0 W.L.)
  - 3 - SES-10 (S2950) - (66.9 W.L.)
  - 3 - SES-15 (S2951) - (129.15 W.L)
  - 3 - Telstar 12 (S2462) - (109.2)

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**SES-MOD-20180622-01819**    E E110159  
Application for Modification  
Grant of Authority

Miami Valley Broadcasting Corporation

11/04/2011 - 11/04/2026

Date Effective: 07/22/2019

**Class of Station:**        Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1611 S. MAIN STREET (WHIO R/O), MONTGOMERY, DAYTON, OH  
39 ° 44 ' 8.30 " N LAT. 84 ° 11 ' 10.70 " W LONG.

ANTENNA ID:	5.0 METER	5 meters	SIMULSAT	5 METER
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO.
	3700.0000 - 4200.0000 MHz		36M0F3F	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS.
ANTENNA ID:	7.0 METER	7 meters	SIMULSAT	7 METER
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO.
	3700.0000 - 4200.0000 MHz		36M0F3F	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS.
ANTENNA ID:	1-5.0M.ATC	5 meters	ANTENNA TECH CORP	SIMULSAT 5M.
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO.AUDIO AND DATA
ANTENNA ID:	2 8.1M.SC1	8.1 meters	SATCOM	8.1M.
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO.AUDIO AND DATA
ANTENNA ID:	3-4.5M.SC2	4.5 meters	SATCOM	4.5M.
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO.AUDIO AND DATA
ANTENNA ID:	4-4.2M.SC3	4.2 meters	SATCOM	4.2M.
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO.AUDIO AND DATA
ANTENNA ID:	5-6.3M.SC4	6.3 meters	SATCOM	6.3M.
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO.AUDIO AND DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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SES-MOD-20180927-02874 E E980347 SES Government Solutions, Inc. 06/12/2009 - 06/12/2024  
Application for Modification Date Effective: 07/22/2019  
Grant of Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 8575 KINGMAN ROAD, BUILDING 2310, FAIRFAX, FORT BELVOIR, VA  
 38 ° 43 ' 39.60 " N LAT. 77 ° 8 ' 44.30 " W LONG.

ANTENNA ID:	1	8.1 meters	VERTEX	8.1 KPC	
	5925.0000 - 6425.0000 MHz		6M00G7W	71.75 dBW	IBS/DATA
	3700.0000 - 4200.0000 MHz		6M00G7W		IBS/DATA
ANTENNA ID:	2	8.1 meters	VERTEX	8.1 KPK	
	14000.0000 - 14500.0000 MHz		62K0F7D	38.50 dBW	OPSK,SCPC
	14000.0000 - 14500.0000 MHz		493KF7D	52.80 dBW	OPSK,SCPC
	14000.0000 - 14500.0000 MHz		392KF7D	46.30 dBW	OPSK,SCPC
	14000.0000 - 14500.0000 MHz		341KF7D	46.40 dBW	OPSK,SCPC
	14000.0000 - 14500.0000 MHz		21K3F7D	35.10 dBW	OPSK,SCPC
	14000.0000 - 14500.0000 MHz		182KF7D	45.30 dBW	OPSK,SCPC
	14000.0000 - 14500.0000 MHz		170KF7D	50.10 dBW	OPSK,SCPC
	14000.0000 - 14500.0000 MHz		129KF7D	41.20 dBW	OPSK,SCPC
	11700.0000 - 12200.0000 MHz		1M04F7D		OPSK,SCPC
ANTENNA ID:	3	4.6 meters	VERTEX	K46CTRL	
	14000.0000 - 14500.0000 MHz		2M10G7W	67.10 dBW	OPSK,SCPC
	11700.0000 - 12200.0000 MHz		2M10G7W		OPSK,SCPC
ANTENNA ID:	4	7.6 meters	MAXTECH/RSI	PRKIM-200R-XXX	
	14000.0000 - 14500.0000 MHz		36M0G7F	70.00 dBW	OPSK,SCPC
	11700.0000 - 12200.0000 MHz		36M0G7F		OPSK,SCPC

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180620-01736** E E181043 CHRISTIAN TELEVISION CORPORATION, INC  
 Registration 06/20/2018 - 06/20/2033  
 Grant of Authority Date Effective: 07/23/2019

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 3210 Behrman Hwy (Transmitter Site), Orleans, New Orleans, LA  
29 ° 55 ' 12.00 " N LAT. 90 ° 1 ' 28.00 " W LONG.

ANTENNA ID:	1	3.7 meters	DH	GIB37M-DP
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO AUDIO AND DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180717-02243</b>	E	E181395	Spectrum Mid-America, LLC	07/17/2018 - 07/17/2033
Registration				Date Effective: 07/19/2019
Grant of Authority				

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 333 Mesa Ridge, Knott, Bulan, KY  
37 ° 21 ' 26.00 " N LAT. 83 ° 6 ' 35.60 " W LONG.

ANTENNA ID:	1	5 meters	Antenna Technology Corp.	Simulsat 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	5	4.5 meters	Andrew	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 8	3.8 meters Comtech	934D0015-G5
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 9	3.7 meters Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 10	1.8 meters Patriot	TX-INT180KU
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 11	2.7 meters SA	80280
3700.0000 - 4200.0000 MHz	36M0G7W	Video, Audio, Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180813-03864</b>	E E190195	Sheldon Broadcasting Co. Inc.	
Registration			08/13/2018 - 08/13/2033
Grant of Authority			Date Effective: 07/19/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 411 9th Street, O'Brien, Sheldon, IA  
 43 ° 10 ' 49.80 " N LAT. 95 ° 51 ' 10.40 " W LONG.

ANTENNA ID: Sheldon	3.8 meters	California Amplifier	140194
3700.0000 - 4200.0000 MHz	36M0G7F	Digital	

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180813-03865</b>	E E190196	Noalmark Broadcasting Corp	
Registration			08/08/2018 - 08/08/2033
Grant of Authority			Date Effective: 07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 402 N Washington, Columbia, Magnolia, AR  
 33 ° 16 ' 12.70 " N LAT. 93 ° 14 ' 22.92 " W LONG.

ANTENNA ID:	ANT1	3.8 meters	Comtec	829066-G2RC
	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 - ()

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<b>SES-REG-20180813-03866</b>	E E190197	Mississippi TV License Company, LLC	08/13/2018 - 08/13/2033
Registration			Date Effective: 07/22/2019
Grant of Authority			

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1359 Beech Springs Rd, Tupelo, MS  
34 ° 19 ' 27.57 " N LAT. 88 ° 42 ' 44.80 " W LONG.

ANTENNA ID:	WTVA 9	4.5 meters	Patriot	4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	WTVA 1	4.5 meters	Scientific Atlanta	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7F	
ANTENNA ID:	WTVA 2	3.6 meters	Prodelin	3.6
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	WTVA 3	5 meters	Scientific Atlanta	5
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	WTVA 4	3.8 meters	Patriot	3.8
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	WTVA 5-6	3 meters	DH	3
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	WTVA 7	3 meters	Orbitron	3
	3700.0000 - 4200.0000 MHz		36M0G7W	
ANTENNA ID:	WTVA 8	4.5 meters	Andrews	4.5

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180813-03867** E E190198 Noalmark Broadcasting Corp  
Registration 08/08/2018 - 08/08/2033  
Grant of Authority Date Effective: 07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 2525 N West Ave, Union, El Dorado, AR  
33 ° 14 ' 14.28 " N LAT. 92 ° 39 ' 54.72 " W LONG.

ANTENNA ID: ANT1 3.8 meters Comtec 829066-G2RC  
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 - ()

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**SES-REG-20180813-03868** E E190199 Lima Communications Corp  
Registration 08/13/2018 - 08/13/2033  
Grant of Authority Date Effective: 07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1424 Rice Avenue (Studio/Offices/MCR), Allen, Lima, OH  
40 ° 44 ' 51.20 " N LAT. 84 ° 7 ' 54.30 " W LONG.

ANTENNA ID: 001 5 meters DH 50M  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video  
ANTENNA ID: 002 4.5 meters DH 45M  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video  
ANTENNA ID: 003 4.5 meters DH 42M  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video  
ANTENNA ID: 004 3.7 meters Andrew AN37

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video
ANTENNA ID: 005	3 meters	Prodelin	1305
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video
ANTENNA ID: 006	3.4 meters	Prodelin	1345
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video
ANTENNA ID: 007	3.8 meters	Patriot	PT38
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video
ANTENNA ID: 008	4 meters	Patriot	PT40
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital video

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180813-03869</b>	E E190200	Terre Haute TV License Company, LLC	
Registration			08/13/2018 - 08/13/2033
Grant of Authority			Date Effective: 07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 800 Ohio St. (WTHI-TV), Terre Haute, IN  
39 ° 27 ' 56.07 " N LAT.

87 ° 24 ' 19.06 " W LONG.

ANTENNA ID: WTHI 2	4.2 meters	DH	42DH1
3700.0000 - 4200.0000 MHz	36M0G7W		NULL
ANTENNA ID: WTHI 1	3.7 meters	DH	37DH1
3700.0000 - 4200.0000 MHz	36M0G7W		NULL
ANTENNA ID: WTHI 3	4.5 meters	DH	45DH1
3700.0000 - 4200.0000 MHz	36M0G7W		NULL
ANTENNA ID: WTHI 4	3.8 meters	Patriot	PRT-380
3700.0000 - 4200.0000 MHz	36M0G7W		NULL
ANTENNA ID: WTHI 5	4.5 meters	Scientific Atlanta	8345



ANTENNA ID:	Dish 2 5m	5 meters	Andrew	5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish3 news	4.5 meters	Patriot	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish4 NBC	3 meters	Comtech	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish5 CNN	3 meters	Prodelin	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish6 MeTV	3.7 meters	AFC	3.7 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish7 Path	3.1 meters	Patriot	3.1 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Dish8 PBlu	3 meters	Comtech	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180814-03883</b>	E	E190215	Hearst Properties Inc.	
Registration				08/14/2018 - 08/14/2033
Grant of Authority				Date Effective: 07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 3970 RCA Blvd Suite 7007 (WPBF STUDIO), Palm Beach, Palm Beach Gardens, FL  
 26 ° 50 ' 11.70 " N LAT. 80 ° 5 ' 38.70 " W LONG.

ANTENNA ID:	ABC Main	7.3 meters	Andrew	ESA73
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	C Band GP1	3 meters	Antesky	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

ANTENNA ID:	C Band GP2	7 meters	Microdyne	7 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	C Band GP3	5 meters	Microdyne	5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Estrl Net1	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	Justc Net1	4.5 meters	Scientific Atlanta	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	C Band GP4	4.5 meters	Patriot	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180814-03885</b>	E	E190217	KCTN KADR Design Homes Inc	08/14/2018 - 08/14/2033
Registration				Date Effective:
Grant of Authority				07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 24493 HIGHWAY 128, CLAYTON, ELKADER, IA  
42 ° 53 ' 6.20 " N LAT. 91 ° 19 ' 13.00 " W LONG.

ANTENNA ID:	1	3.7 meters	DH SATELLITE	37DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	2	3 meters	DH SATELLITE	30DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180814-03886</b>	E	E190218	Disney Channel	08/09/2018 - 08/09/2033
Registration				Date Effective:
Grant of Authority				07/19/2019

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 3800 W. Alameda Ave, Los Angeles, Burbank, CA  
34 ° 9 ' 13.00 " N LAT.

118 ° 20 ' 26.00 " W LONG.

ANTENNA ID:	E	3.8 meters	Comtech	3.8M
	3700.0000 - 4200.0000 MHz		36M0G7W	QPSK, 8PSK, DVB-S, DVB-S2, Audio, Video, Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180814-03887</b>	E	E190219	New Orleans Hearst Television Inc.		
Registration				08/14/2018 - 08/14/2033	
Grant of Authority				Date Effective:	07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 846 Howard Avenue (WDSU STUDIO), Orleans, New Orleans, LA  
29 ° 56 ' 37.50 " N LAT.

90 ° 4 ' 28.70 " W LONG.

ANTENNA ID:	Dish 2	3 meters	Prodelin	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

ANTENNA ID:	Dish 3	4.5 meters	Scientific Atlanta	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

ANTENNA ID:	Dish 4	3.7 meters	Andrew	3.7 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

ANTENNA ID:	Dish 5	3.7 meters	Andrew	3.7 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

ANTENNA ID:	Dish 7	3 meters	Prodelin	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

ANTENNA ID:	Dish 8	4.5 meters	Patriot	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

ANTENNA ID:	Dish 9	3.1 meters	Patriot	3.1 meter
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3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data
ANTENNA ID: Dish 10	3.8 meters Patriot	3.8 meter
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data
ANTENNA ID: Dish 11	3.8 meters Patriot	3.8 meter
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180814-03890</b>	E E190222	New Orleans Hearst Television Inc.	08/14/2018 - 08/14/2033
Registration			Date Effective: 07/22/2019
Grant of Authority			
<b>Class of Station:</b>	Fixed Earth Stations		
<b>Nature of Service:</b>	Fixed Satellite Service		

SITE ID: 1  
LOCATION: 221 E Josephine St (WDSU TOWER), St. Bernard, Chalmette, LA  
29 ° 56 ' 59.60 " N LAT. 89 ° 57 ' 28.50 " W LONG.

ANTENNA ID: Dish 2	3.7 meters AFC	PR-12
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data
ANTENNA ID: Dish 3	5 meters Viking	5 meter
3700.0000 - 4200.0000 MHz	36M0G7W	Digital video, audio, data

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180815-03891</b>	E E190223	Lovcom, Inc.	08/15/2018 - 08/15/2033
Registration			Date Effective: 07/19/2019
Grant of Authority			
<b>Class of Station:</b>	Fixed Earth Stations		
<b>Nature of Service:</b>	Fixed Satellite Service		

SITE ID: 1  
LOCATION: 1716 Kroe Lane, Sheridan, Sheridan, WY  
44 ° 47 ' 55.40 " N LAT. 106 ° 55 ' 51.40 " W LONG.

ANTENNA ID: DH 1	3.8 meters DH Satellite	38DH1
3700.0000 - 4200.0000 MHz	36M0G7W	Digital



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**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1401 SE 60th St, Comanche, Lawton, OK

34 ° 35 ' 32.80 " N LAT.

98 ° 19 ' 6.20 " W LONG.

ANTENNA ID:	7.3M	7.3 meters	Andrew Corporation	ESA73
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	3.7M	3.7 meters	Prodelin	1374
	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
ANTENNA ID:	3.7D	3.7 meters	DH Satellite	37DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	5.0M	5 meters	DH Satellite	50DH1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	4.5A	4.5 meters	Andrew	ESA4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	3.1M	3.1 meters	Patriot	PRT-310
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
ANTENNA ID:	2.4M	2.4 meters	Prodelin	1252
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181009-03676** E E190048 SMG-Tri Cities, LLC

Registration

06/29/2018 - 06/29/2033

Grant of Authority

Date Effective: 07/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: 1  
LOCATION: 4304 W. 24th Ave (Tri-Cities Studio), Benton, Kennewick, WA  
46 ° 11 ' 18.00 " N LAT. 119 ° 10 ' 44.00 " W LONG.

ANTENNA ID: ant1 3.8 meters CHANNEL Master Solid 3.8 meter dual axis  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Analog Video with associated subcarriers

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181010-03683** E E190049 The Stephens Family Limited Partnership  
Registration 10/10/2018 - 10/10/2033  
Grant of Authority Date Effective: 07/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 2448 E 81st (Cityplex Tower), Tulsa, Tulsa, OK  
36 ° 2 ' 35.00 " N LAT. 95 ° 57 ' 12.00 " W LONG.

ANTENNA ID: 1 3.1 meters Patriot 3.1M  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL AUDIO AND DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181010-03685** E E190051 Stephens Media Group - Watertown, LLC  
Registration 10/10/2018 - 10/10/2033  
Grant of Authority Date Effective: 07/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 2155 St. Hwy 420, St. Lawrence, Massena, NY  
44 ° 54 ' 10.60 " N LAT. 74 ° 53 ' 0.40 " W LONG.

ANTENNA ID: 1 3.2 meters Scientific Atlanta 9000  
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL AUDIO AND DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181010-03686** E E190052 Stephens Media Group - Ogdensburg, LLC  
Registration 10/10/2018 - 10/10/2033  
Grant of Authority Date Effective: 07/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 134 Mullin St, Jefferson, Watertown, NY  
43 ° 58 ' 17.90 " N LAT. 75 ° 54 ' 48.60 " W LONG.

ANTENNA ID: 1 3.8 meters PATRIOT 3.8M  
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL AUDIO AND DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181015-03689** E E190054 Gateway Radio Works Inc.  
Registration 10/15/2018 - 10/15/2033  
Grant of Authority Date Effective: 07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 138 North Main Street (WWKY Radio Station), Clark, Winchester, KY  
37 ° 59 ' 46.00 " N LAT. 84 ° 10 ' 32.00 " W LONG.

ANTENNA ID: ANT 1 3.7 meters D H Satellite Systems DH 3.7-4.8  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio Signals and Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181015-03690** E E190055 Gateway Radio Works Inc.  
Registration 10/15/2018 - 10/15/2033  
Grant of Authority Date Effective: 07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 22 West Main Street (WMST/WKYN Radio Stud), Montgomery, Mount Sterling, KY  
38 ° 3 ' 23.00 " N LAT. 83 ° 56 ' 33.00 " W LONG.

ANTENNA ID: ANT 1 3.7 meters D H Satellite Systems DH 3.7-4/48

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3700.0000 - 4200.0000 MHz

36M0G7W

Digital Audio Signals and Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181015-03691** E E190056 Gateway Radio Works Inc.

Registration

10/15/2018 - 10/15/2033

Grant of Authority

Date Effective: 07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 17 South Court Street (WKCA/WIVY Studio), Bath, Owingsville, KY

38 ° 8 ' 39.40 " N LAT.

83 ° 45 ' 53.60 " W LONG.

ANTENNA ID: ANT 1

3.7 meters

D H Satellite Systems

DH 3.7-4/48

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Audio Signals & Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181015-03693** E E190058 Cornerstone TeleVision, Inc.

Registration

10/12/2018 - 10/12/2033

Grant of Authority

Date Effective: 07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 4335 East State Street (W29CO Site), Mercer, Hermitage, PA

41 ° 14 ' 12.48 " N LAT.

80 ° 25 ' 49.49 " W LONG.

ANTENNA ID: 1

2.4 meters

Prodelin

Prodelin 2.4 Meter

3700.0000 - 4200.0000 MHz

30M0G7W

0.00 dBW

Modulation and Services Digital Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181015-03694** E E190059 Cornerstone TeleVision, Inc.

Registration

10/12/2018 - 10/12/2033

Grant of Authority

Date Effective: 07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: 1  
LOCATION: US-50 (W24ER Site), Harrison, Clarksburg, WV  
39 ° 16 ' 31.73 " N LAT. 80 ° 17 ' 42.85 " W LONG.

ANTENNA ID: 1 3.2 meters Prodelin Prodelin 3.2 Meter  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181015-03695** E E190060 Cornerstone TeleVision, Inc.  
Registration 10/12/2018 - 10/12/2033  
Grant of Authority Date Effective: 07/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 354 Lookout Avenue (WKBS Site), Blair, Dysart, PA  
40 ° 34 ' 2.91 " N LAT. 78 ° 26 ' 25.18 " W LONG.

ANTENNA ID: 1 5 meters Scientific Atlanta SA-5 Meter  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181015-03696** E E190061 Cornerstone TeleVision, Inc.  
Registration 10/12/2018 - 10/12/2033  
Grant of Authority Date Effective: 07/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: Lamb's Gap Road (W07DP Site), Perry, Enola, PA  
40 ° 18 ' 19.40 " N LAT. 77 ° 0 ' 27.40 " W LONG.

ANTENNA ID: 1 2.4 meters Prodelin Prodelin 2.4 Meter  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181015-03697** E E190062 Cornerstone TeleVision, Inc.  
Registration 10/12/2018 - 10/12/2033  
Grant of Authority Date Effective: 07/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1 Signal Hill Drive (WPCB Site), Allegheny, Wall, PA  
40 ° 23 ' 31.40 " N LAT. 79 ° 46 ' 53.60 " W LONG.

ANTENNA ID:	DH-2	3 meters	DH	DH 3 Meter	
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW	Modulation and Services Digital Video
ANTENNA ID:	DH-1	4 meters	DH	DH 4 Meter	
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW	Modulation and Services Digital Video
ANTENNA ID:	Patriot	2.4 meters	Patriot Antenna Systems	PRT-310	
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW	Modulation and Services Digital Video
ANTENNA ID:	SA	5 meters	Scientific Atlanta	SA-5 Meter	
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW	Modulation and Services Digital Video
ANTENNA ID:	Prodelin	2.4 meters	Prodelin	Prodelin 2.4 Meter	
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW	Modulation and Services Digital Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181015-03699** E E190064 Cornerstone TeleVision, Inc.  
Registration 10/12/2018 - 10/12/2033  
Grant of Authority Date Effective: 07/22/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: Stahlman Rd (W45BT Site), Jefferson, Corsica, PA  
41 ° 7 ' 12.80 " N LAT. 79 ° 6 ' 51.08 " W LONG.

ANTENNA ID:	1	2.4 meters	Prodelin	Prodelin 2.4 Meter	
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW	Modulation and Services Digital Video

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-REG-20181017-03698** E E190063 CDA Broadcasting, Inc.  
Registration 10/17/2018 - 10/17/2033  
Grant of Authority Date Effective: 07/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 310 W. Wall (KWEL Studio), Midland, Midland, TX  
31 ° 59 ' 51.90 " N LAT. 102 ° 4 ' 40.40 " W LONG.

ANTENNA ID: PRT 3.1 meters Patriot PRT-310  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio Signal

**Points of Communication:**

1 - AMC-15 (S2180) - (105.0 W.L.)

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**SES-REG-20181212-03778** E E190087 CoxCom, LLC  
Registration 07/24/2018 - 07/24/2033  
Grant of Authority Date Effective: 07/19/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 6650 East 44th Street, Tulsa, Tulsa, OK  
36 ° 5 ' 56.70 " N LAT. 95 ° 54 ' 4.70 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters SCIENTIFIC-ATLANTA, INC 4.5 meter  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20190625-00924** E E040327 Thames Valley Communications, Inc.  
Renewal 08/05/2019 - 08/05/2034  
Grant of Authority Date Effective: 07/19/2019

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: 295 MERIDIAN STREET, New London, GROTON, CT  
41 ° 21 ' 9.80 " N LAT. 72 ° 4 ' 17.30 " W LONG.

ANTENNA ID:	1	3.8 meters	COMTECH ANT CORP	3.8 METER PF
	3700.0000 - 4200.0000 MHz		36M0G7F	0.00 dBW
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW
				VIDEO COMPRESSED
				ANALOG VIDEO WITH ASSOCIATED SUBCARRIERS

ANTENNA ID:	1	5 meters	ANTENNA TECH CORP	SIMULSAT 5M T40503
	3700.0000 - 4200.0000 MHz		36M0F8F	
				SCPC MODULATION - VIDEO AND DATA SERVICES

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-RWL-20190715-00922</b>	E	WL39	Cablevision Systems Dutchess Corporation	
Renewal				10/12/2019 - 10/12/2034
Grant of Authority				Date Effective: 07/22/2019

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
 LOCATION: DUTCHESS, DOVER PLAINS, NY  
 41 ° 43 ' 27.00 " N LAT. 73 ° 36 ' 40.00 " W LONG.

ANTENNA ID:	1	5 meters	SCIENTIFIC ATLANTA	8008B
	3700.0000 - 4200.0000 MHz		36000F9	

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-RWL-20190716-00925</b>	E	E040278	Scripps Broadcasting Holdings LLC	
Renewal				08/04/2019 - 08/04/2034
Grant of Authority				Date Effective: 07/18/2019

**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 TECHNOLOGY	1200
	14000.0000 - 14500.0000 MHz		36M0G7W	64.50 dBW
				ONE 36 MBIT MCPC DIGITAL CARRIER FOR VOICE/DATA WITH AN EMISSION DESIGNATOR OF 36M0G7W.

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-STA-20190516-00665** E KA258 Intelsat License LLC

Special Temporary Authority

Grant of Authority

Date Effective: 07/22/2019

**Class of Station:**

On July 22, 2019, Intelsat License LLC was granted special temporary authority for 180 days, beginning July 22, 2019, to operate its fixed earth station in Hagerstown, MD to provide launch and early orbit phase (LEOP) and telemetry, tracking and command (TT&C) services for the Eutelsat-7C satellite during in-orbit testing and as it drifts to the 7° E.L. orbital location in the 13750.40 MHz, 13999.25 MHz, 14250.00 MHz and 14499.80 MHz (Earth-to-space), 11199.0 MHz, 11200.6 MHz, 11698.2 MHz and 11699.0 MHz (space-to-Earth) center frequency bands.

**Points of Communication:**

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**SES-STA-20190516-00668** E E170122 Intelsat License LLC

Special Temporary Authority

Grant of Authority

Date Effective: 07/19/2019

**Class of Station:**

On July 19, 2019, Intelsat License LLC was granted special temporary authority for 180 days, beginning July 20, 2019, to operate its fixed earth station in Ellenwood, CA to provide launch and early orbit phase (LEOP) and telemetry, tracking and command (TT&C) services for the Eutelsat 7C satellite during in-orbit testing and as it drifts to the 7° E.L. orbital location in the 13750.40 MHz, 13999.25 MHz, 14250.00 MHz and 14499.80 MHz (Earth-to-space), and 11199.0 MHz, 11200.6 MHz, 11698.2 MHz and 11699.0 MHz (space-to-Earth) center frequency bands.

**Points of Communication:**

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**SES-STA-20190709-00889** E E950499 DG Consents Sub, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 07/17/2019

**Class of Station:**

On July 17, 2019, DG Consents Sub, Inc. (DigitalGlobe) was granted a special temporary authority for 60 days, beginning July 16, 2019, to add ViaSat 5.4m V8X-Y antenna to operate a fixed earth station in Fairbanks, AK to communicate with the DigitalGlobe Constellations of Non-Geostationary Orbit (NGSO) Earth Exploration Satellite Service (EESS) (S2129 and S2348) satellites in the 2042 MHz, 2052 MHz, 2085.6875 MHz, 2092.6 MHz and 2094.896 MHz (Earth-to-space) frequency bands. TT&C services will be provided in the 8025-8400 MHz (space-to-Earth) frequency band.

**Points of Communication:**

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**SES-STA-20190711-00917** E E150098 EchoStar Operating L.L.C.

Special Temporary Authority

Grant of Authority

Date Effective: 07/16/2019

**Class of Station:**

On July 17, 2019, EchoStar Operating L.L.C. was granted special temporary authority for 30 days, beginning July 18, 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:**

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**SURRENDER**

**SES-LIC-20040616-00834**            E040270            Global Eagle Telecom Licensing Subsidiary LLC

License surrendered by letter filed on July 16, 2019.

**SES-MOD-20060707-01121**            E040307            American Broadcasting Companies, Inc.

License surrendered by letter filed on July 16, 2019.

**SES-MOD-20060707-01139**            E040305            American Broadcasting Companies, Inc.

License surrendered by letter filed on July 16, 2019.

**SES-RWL-20060926-01774**            E861076            Cumulus Media Inc., Debtor-In-Possession

License surrendered by letter filed on June 10, 2019.

**SES-RWL-20080908-01169**            E870541            Virginia Polytechnic Institute & State University

License surrendered by letter filed on July 22, 2019.

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