



# PUBLIC NOTICE

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

News media information 202-418-0500  
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Report No. SES-02266

Wednesday May 13, 2020

## Satellite Communications Services re: Satellite Radio Applications Accepted For Filing

The applications listed herein have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined they are defective and not in conformance with the Commission's Rules and Regulations and its Policies. Final action will not be taken on any of these applications earlier than 30 days following the date of this notice. 47 U.S.C. § 309(b). All applications accepted for filing will be assigned call signs, or other unique station identifiers. However, these assignments are for administrative purposes only and do not in any way prejudice Commission action.

**SES-AMD-20190611-00750** E E190469 Scripps Broadcasting Holdings LLC  
Amendment  
**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-REG-20181003-04162 for a description of the application.

SITE ID: 1  
LOCATION: 301 Artesian Street (Studio), Nueces, Corpus Christi, TX  
27 ° 47 ' 32.40 " N LAT. 97 ° 24 ' 6.00 " W LONG.

ANTENNA ID:	S1	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	S2	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	S3	4.5 meters	Scientific Atlantic	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	S4	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Multiplex Carrier
ANTENNA ID:	S5	3.8 meters	Patriot	PRT-380

3700.0000 - 4200.0000 MHz	36M0G7W		Digital Multiplex Carrier
ANTENNA ID: S6	3.8 meters	Patriot	PRT-380
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Multiplex Carrier
ANTENNA ID: S7	3.8 meters	Patriot	PRT-380
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Multiplex Carrier
ANTENNA ID: S8	7 meters	Scientific Atlantic	8028
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Multiplex Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-ASG-20200428-00451** E E160052 UltiSat, Inc.  
 Application for Consent to Assignment  
**Current Licensee:** UltiSat, Inc.  
**FROM:** ULTISAT, INC.  
**TO:** HNS License Sub, LLC

No. of Station(s) listed: 11

**SES-LIC-20200504-00487** E E201996 TelAlaska Cellular, Inc.  
 Application for Authority  
**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service

SITE ID: False Pass School  
 LOCATION: 410 Mt Valley Rd, Aleutians East, False Pass, AK  
 54 ° 51 ' 10.20 " N LAT. 163 ° 25 ' 5.40 " W LONG.

ANTENNA ID: 1	3.8 meters	GD Satcom	1385
3700.0000 - 4200.0000 MHz	36M0D7W	0.00 dBW	Amplitude and Phase modulated voice, video and data service
3700.0000 - 4200.0000 MHz	100KG7W	0.00 dBW	Phase modulated voice, video and data service
3700.0000 - 4200.0000 MHz	100KD7W	0.00 dBW	Amplitude and Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz	36M0D7W	72.20 dBW	Amplitude and Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz	100KG7W	57.50 dBW	Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz	100KD7W	57.50 dBW	Amplitude and Phase modulated voice, video and data service

5925.0000 - 6425.0000 MHz	36M0G7W	72.20 dBW	Phase modulated voice, video and data service
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Phase modulated voice, video and data service

**Points of Communication:**

False Pass School - PERMITTED LIST - ()

**SES-LIC-20200504-00488** E E201997 TelAlaska Cellular, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Akutan School

LOCATION: 202 Hilly Drive, Aleutians East, Akutan, AK

54 ° 8 ' 6.70 " N LAT.

165 ° 46 ' 18.80 " W LONG.

ANTENNA ID: 1	3.8 meters	GD Satcom	1385
3700.0000 - 4200.0000 MHz	100KG7W	0.00 dBW	Phase modulated voice, video and data service
3700.0000 - 4200.0000 MHz	100KD7W	0.00 dBW	Amplitude and Phase modulated voice, video and data service
3700.0000 - 4200.0000 MHz	36M0D7W	0.00 dBW	Amplitude and Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz	100KG7W	57.50 dBW	Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz	100KD7W	57.50 dBW	Amplitude and Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz	36M0D7W	72.20 dBW	Amplitude and Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz	36M0G7W	72.20 dBW	Phase modulated voice, video and data service
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Phase modulated voice, video and data service

**Points of Communication:**

Akutan School - PERMITTED LIST - ()

**SES-MFS-20190819-01046** E E080084 Corporate Satellite Communications, Florida Inc.

Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Corporate Satellite Communications, Florida Inc. requests modification of its fixed earth station in Alpine, NJ to update parameters to the current licensed 6.1-meter antenna, and add a 7.3-meter antenna to operate only in the 5925-6425 MHz (Earth-to-space) frequency band, and to communicate with the following satellites; Permitted List satellites, the ARSAT-2 satellite at the 81.0° W.L. orbital location, and the ANIK FR1 satellite at the 107.3° W.L. orbital location. This station will continue to operate in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1  
 LOCATION: US Rt 9 W, Bergen, Alpine, NJ  
 40 ° 57 ' 40.40 " N LAT. 73 ° 55 ' 22.50 " W LONG.

ANTENNA ID:	6.1M	6.1 meters	Vertex RSI	KPC	
	5925.0000 - 6425.0000 MHz		51K2G7W	45.27 dBW	digital traffic, various FEC, various data rates, various information
	5925.0000 - 6425.0000 MHz		36M0G7W	73.74 dBW	digital traffic, various FEC, various data rates, various information
	3700.0000 - 4200.0000 MHz		51K2G7W		digital traffic, various FEC, various data rates, various information
	3700.0000 - 4200.0000 MHz		36M0G7W		digital traffic, various FEC, various data rates, various information
ANTENNA ID:	7.3M	7.3 meters	ANDREW	7.3METER	
	5925.0000 - 6425.0000 MHz		51K2G7W	45.30 dBW	digital traffic, various FEC, various data rates, various information
	5925.0000 - 6425.0000 MHz		36M0G7W	78.30 dBW	digital traffic, various FEC, various data rates, various information
	5925.0000 - 6425.0000 MHz		51K2G7W	52.50 dBW	digital traffic, various FEC, various data rates, various information

**Points of Communication:**

- 1 - ANIK FIR - (107.3 W.L.)
- 1 - ARSAT-2 - (81.0 W.L.)
- 1 - PERMITTED LIST - ()

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**SES-MFS-20191010-01282** E E930320 Comsat, Inc.

Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Earth Stations on-board Vessels, Fixed Satellite Service

COMSAT, Inc. requests modification of its current authorization to: update and rename Site Id "HUB (4.5m)" to "SAPA10K" and to add SiteID's "SAPA08Ku", "SAPA19Ku", and "SAPA40 Ku" antennas in the 14-14.5 GHz (Earth-to-space) and 10.95 to 12.2 GHz (space-to-Earth) frequency bands.

SITE ID: REMOTE-4 ESV  
 LOCATION: 350 (1.5 m antennas), CONUS

ANTENNA ID:	ESV-6006	1.5 meters	SEATEL	6006
	14000.0000 - 14500.0000 MHz	717KG1W	52.00 dBW	SCPC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	89K6G1W	43.00 dBW	SCPC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	194KG7W	46.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	291KG7W	48.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	388KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	81K0G7W	42.50 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	97K0G7W	43.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	1M43G1W	52.00 dBW	SCPC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz	2M35G1W	52.00 dBW	SCPC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz	36M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz	81K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
	11450.0000 - 12200.0000 MHz	1M43G1W		SCPC USING QPSK ANAD BPSK MODULATION
	11450.0000 - 12200.0000 MHz	2M35G1W		SCPC USING QPSK ANAD BPSK MODULATION
	10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
	10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION

10950.0000 - 11200.0000 MHz	1M43G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M35G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	36M0G7W	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	81K0G7W	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION

SITE ID: REMOTE-1 ESV  
LOCATION: 250 (1.0 m antennas), CONUS

ANTENNA ID:	ESV-4003A	1 meters	SEATEL	4003A
14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SCPC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	538KG1W	45.20 dBW	SCPC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SCPC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	227KG7W	41.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	340KG7W	43.20 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	454KG7W	44.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	908KG7W	45.80 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	1M40G7W	45.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	316KG7W	42.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	607KG7W	45.70 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION	
11450.0000 - 12200.0000 MHz	89K6G1W	SCPC USING QPSK AND BPSK MODULATION		

11450.0000 - 12200.0000 MHz	44K8G1W	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W	TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W	TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W	TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION

SITE ID: REMOTE-2 ESV  
LOCATION: 250 (1.0 m antennas), CONUS

ANTENNA ID:	ESV-4006	1 meters	SEATEL	4006
14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SCPC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	717KG1W	46.40 dBW	SCPC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SCPC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	227KG7W	41.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION	

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14000.0000 - 14500.0000 MHz	340KG7W	43.20 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	454KG7W	44.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	908KG7W	47.40 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M40G7W	47.40 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	316KG7W	43.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	607KG7W	45.70 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		TDM/TDMA USING QPSK AND BPSK MODULATION



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10950.0000 - 11200.0000 MHz	2M60G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	54M0G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
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SITE ID: REMOTE-3 ESV  
LOCATION: 50 (1.2 m antennas), CONUS

ANTENNA ID: ESV-4996T	1.2 meters	SEATEL	4996T
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14000.0000 - 14500.0000 MHz	1M43G1W	51.10 dBW	SCPC USING QPSK AND BPSK MODULATION
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14000.0000 - 14500.0000 MHz	44K8G1W	36.10 dBW	SCPC USING QPSK AND BPSK MODULATION
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14000.0000 - 14500.0000 MHz	717KG1W	48.10 dBW	SCPC USING QPSK AND BPSK MODULATION
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14000.0000 - 14500.0000 MHz	89K6G1W	39.10 dBW	SCPC USING QPSK AND BPSK MODULATION
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11450.0000 - 12200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
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11450.0000 - 12200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
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11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
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11450.0000 - 12200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
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10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
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SITE ID: REMOTE-5 ESV  
LOCATION: 500 (1.05M. antennas), CONUS

ANTENNA ID: ESV-V110	1.05 meters	INTELLIAN	V110
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14000.0000 - 14500.0000 MHz	97K0G7W	39.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
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14000.0000 - 14500.0000 MHz	970KG7W	49.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	48.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	679KG7W	47.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	37.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	582KG7W	47.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	485KG7W	46.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	45.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	44.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M55G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M36G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M16G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	42.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	2M60G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: SAPA10Ku  
LOCATION: 7676 PINE GROVE RD. (4.6 M. HUB1), VENTURA, SANTA PAULA, CA  
34 ° 24 ' 7.95 " N LAT. 119 ° 4 ' 21.84 " W LONG.

ANTENNA ID:	HUB10 KU	4.6 meters	ANDREWS	02-210 OMT304496461
14000.0000 - 14500.0000 MHz	54M0F7W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	54M0F1W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	54M0D7W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	54M0D1W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	32K0F7W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	32K0F1W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	32K0D7W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	32K0D1W	48.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
11450.0000 - 12200.0000 MHz	54M0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS		

11450.0000 - 12200.0000 MHz	54M0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

SITE ID: SAPA08Ku  
LOCATION: 7676 PINE GROVE RD. (4.8 M. HUB2), VENTURA, SANTA PAULA, CA  
34 ° 24 ' 8.13 " N LAT. 119 ° 4 ' 22.02 " W LONG.

ANTENNA ID:	HUB08 KU	4.8 meters	VERTEX	K48PMFRL1-G/C
14000.0000 - 14500.0000 MHz	54M0F7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	54M0F1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	

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14000.0000 - 14500.0000 MHz	54M0D7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	54M0D1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0F7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0D1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0D7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
14000.0000 - 14500.0000 MHz	32K0D1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

10950.0000 - 11200.0000 MHz	32K0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

SITE ID: SAPA19Ku  
LOCATION: 7676 PINE GROVE RD. (7.3 M. HUB3), VENTURA, SANTA PAULA, CA  
34 ° 24 ' 9.57 " N LAT. 119 ° 4 ' 23.25 " W LONG.

ANTENNA ID:	HUB19 KU	7.3 meters	GENERAL DYNAMICS	GD 7.3M KU
14000.0000 - 14500.0000 MHz	54M0F7W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	54M0F1W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	54M0D7W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	54M0D1W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	32K0F7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	32K0F1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	32K0D7W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	32K0D1W	45.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
11450.0000 - 12200.0000 MHz	54M0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS		
11450.0000 - 12200.0000 MHz	54M0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS		
11450.0000 - 12200.0000 MHz	54M0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS		
11450.0000 - 12200.0000 MHz	54M0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS		
11450.0000 - 12200.0000 MHz	32K0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS		
11450.0000 - 12200.0000 MHz	32K0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS		

11450.0000 - 12200.0000 MHz	32K0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D7W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D1W	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

SITE ID: SAPA40Ku  
LOCATION: 7676 PINE GROVE RD. (7.3 M. HUB4), VENTURA, SANTA PAULA, CA  
34 ° 24 ' 9.80 " N LAT. 119 ° 4 ' 22.61 " W LONG.

ANTENNA ID:	HUB40 KU	7.3 meters	GENERAL DYNAMICS	GD 7.3M KU
14000.0000 - 14500.0000 MHz	54M0F7W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	54M0F1W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	54M0D7W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	54M0D1W	54.80 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	32K0F7W	44.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	32K0F1W	44.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	
14000.0000 - 14500.0000 MHz	32K0D7W	44.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS	

14000.0000 - 14500.0000 MHz	32K0D1W	44.20 dBW	DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	54M0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
11450.0000 - 12200.0000 MHz	32K0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	54M0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0F1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D7W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS
10950.0000 - 11200.0000 MHz	32K0D1W		DIGITAL TRAFFIC USING PHASE AND AMPLITUDE MODULATIONS

**Points of Communication:**

REMOTE-1 ESV - EUTELSAT117WA(S2873) - (116.8 W.L.)

REMOTE-1 ESV - PERMITTED LIST - ()



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REMOTE-2 ESV - EUTELSAT117WA(S2873) - (116.8 W.L.)

REMOTE-2 ESV - PERMITTED LIST - ()

REMOTE-3 ESV - EUTELSAT117WA(S2873) - (116.8 W.L.)

REMOTE-3 ESV - PERMITTED LIST - ()

REMOTE-4 ESV - EUTELSAT117WA(S2873) - (116.8 W.L.)

REMOTE-4 ESV - PERMITTED LIST - ()

REMOTE-5 ESV - PERMITTED LIST - ()

SAPA08Ku - EUTELSAT133WA(S3031) - (132.85)

SAPA08Ku - EUTELSAT172B(S3021) - (172 E.L.)

SAPA08Ku - PERMITTED LIST - ()

SAPA10Ku - EUTELSAT133WA(S3031) - (132.85)

SAPA10Ku - EUTELSAT172B(S3021) - (172 E.L.)

SAPA10Ku - PERMITTED LIST - ()

SAPA19Ku - EUTELSAT133WA(S3031) - (132.85)

SAPA19Ku - EUTELSAT172B(S3021) - (172 E.L.)

SAPA19Ku - PERMITTED LIST - ()

SAPA40Ku - EUTELSAT133WA(S3031) - (132.85)

SAPA40Ku - EUTELSAT172B(S3021) - (172 E.L.)

SAPA40Ku - PERMITTED LIST - ()

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**SES-MFS-20200204-00112**    E E050318    ViaSat, Inc.

Modification

**Class of Station:**        Mobile Earth Station

**Nature of Service:**     Fixed Satellite Service, Mobile Satellite Service

Viasat, Inc. requests modification of its earth stations aboard aircraft (ESAA) blanket license to (1) add the Antenna ID "KuKarray" operating with the SES-10(2950) satellite at 66.9 W.L. and the EUTELSAT174A (S2610) satellite at 174E.L. in the 14-14.5 GHz (Earth-to-space) and 11.45 to 12.2 GHz (space-to-Earth) frequency bands, (2) add the Antenna IDs "VR18" and "VR12C" to operate with the Permitted List satellites in the 14-14.5 GHz (Earth-to-space) and 11.45 to 12.2 GHz (space-to-Earth) frequency bands . Viasat, Inc. requests: (1) to adjust the current license conditions to reflect the primary status of ESIMs in the 11.7-12.2 GHz and 14.0-14.5 GHz bands; (2) waiver of the off-axis EIRP spectral density limits in Section 25.218(f)(2) for the plane perpendicular to the GSO arc for the KuKarray antenna; waiver of the coordination requirements in Section 25.220 referencing coordination among satellite networks in a two-degree spaced environment.

SITE ID:            Airborne 1

LOCATION:          San Diego, Carlsbad, CA

ANTENNA ID:     1000009            0.2921 meters    ViaSat                            1000009

14000.0000 - 14500.0000 MHz	14M4G7D	37.75 dBW	GMSK, Direct Sequence Spread Spectrum
14000.0000 - 14500.0000 MHz	36M0G7D	37.75 dBW	GMSK, Direct Sequence Spread Spectrum
14400.0000 - 14500.0000 MHz	28M8G7D	37.75 dBW	GMSK, Direct Sequence Spread Spectrum
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK, Direct Sequence Spread Spectrum

SITE ID: Airborne 2  
LOCATION: US and adjacent waters

ANTENNA ID: 1060076      0.292 meters      ViaSat      1060076

11700.0000 - 12200.0000 MHz	36M0G7D		QPSK, Direct Sequence Spread Spectrum and Internet Access
14000.0000 - 14500.0000 MHz	36M0G7D	39.50 dBW	GMSK, Direct Sequence Spread Spectrum and Internet Access
14000.0000 - 14500.0000 MHz	14M4G7D	39.50 dBW	GMSK, Direct Sequence Spread Spectrum and Internet Access
14000.0000 - 14500.0000 MHz	28M8G7D	39.50 dBW	GMSK, Direct Sequence Spread Spectrum and Internet Access
11450.0000 - 11700.0000 MHz	36M0G7D		QPSK, Direct Sequence Spread Spectrum and Internet Access

SITE ID: ESIM-1  
LOCATION: Alaska, Hawaii

ANTENNA ID: KuKarray      0.385 meters      Viasat, Inc.      KuKarray

14000.0000 - 14500.0000 MHz	18M0G7D	46.50 dBW	18 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
14000.0000 - 14500.0000 MHz	12M0G7D	46.50 dBW	12 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
14000.0000 - 14500.0000 MHz	6M00G7D	43.87 dBW	6 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
14000.0000 - 14500.0000 MHz	6M00G7D	36.89 dBW	GMSK, Direct Sequence Spread Spectrum
14000.0000 - 14500.0000 MHz	36M0G7D	43.87 dBW	GMSK, Direct Sequence Spread Spectrum
14000.0000 - 14500.0000 MHz	27M0G7D	43.87 dBW	GMSK, Direct Sequence Spread Spectrum

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14000.0000 - 14500.0000 MHz	18M0G7D	43.87 dBW	GMSK, Direct Sequence Spread Spectrum
11450.0000 - 12200.0000 MHz	36M0G7D		36 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
11450.0000 - 12200.0000 MHz	27M0G7D		27 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
11450.0000 - 12200.0000 MHz	18M0G7D		18 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier

SITE ID: ESIM-2  
LOCATION: US&P, Global Airspace

ANTENNA ID: VR18	0.45 meters	Viasat, Inc.	VR18
14000.0000 - 14500.0000 MHz	18M0G7D	46.00 dBW	18 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
14000.0000 - 14500.0000 MHz	12M0G7D	46.00 dBW	12 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
14000.0000 - 14500.0000 MHz	6M00G7D	43.65 dBW	6 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
14000.0000 - 14500.0000 MHz	6M00G7D	36.66 dBW	GMSK, Direct Sequence Spread Spectrum
14000.0000 - 14500.0000 MHz	36M0G7D	43.65 dBW	GMSK, Direct Sequence Spread Spectrum
14000.0000 - 14500.0000 MHz	27M0G7D	43.65 dBW	GMSK, Direct Sequence Spread Spectrum
14000.0000 - 14500.0000 MHz	18M0G7D	43.65 dBW	GMSK, Direct Sequence Spread Spectrum
11450.0000 - 12200.0000 MHz	27M0G7D		27 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
11450.0000 - 12200.0000 MHz	18M0G7D		18 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
11450.0000 - 12200.0000 MHz	36M0G7D		36 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier

SITE ID: ESIM-3  
LOCATION: US&P, Global Airspace

ANTENNA ID: VR12C	0.3 meters	Viasat, Inc.	VR12C
14000.0000 - 14500.0000 MHz	18M0G7D	42.50 dBW	18 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier

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14000.0000 - 14500.0000 MHz	12M0G7D	42.50 dBW	12 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
14000.0000 - 14500.0000 MHz	6M00G7D	39.15 dBW	12 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
14000.0000 - 14500.0000 MHz	6M00G7D	32.16 dBW	GMSK, Direct Sequence Spread Spectrum
14000.0000 - 14500.0000 MHz	36M0G7D	39.15 dBW	GMSK, Direct Sequence Spread Spectrum
14000.0000 - 14500.0000 MHz	27M0G7D	39.15 dBW	GMSK, Direct Sequence Spread Spectrum
14000.0000 - 14500.0000 MHz	18M0G7D	39.15 dBW	GMSK, Direct Sequence Spread Spectrum
11450.0000 - 12200.0000 MHz	36M0G7D		36 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
11450.0000 - 12200.0000 MHz	27M0G7D		27 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier
11450.0000 - 12200.0000 MHz	18M0G7D		18 MBd M-ary PSK Direct Sequence Spread Spectrum, Digital Carrier

**Points of Communication:**

Airborne 1 - AMC 21 - (124.9 W.L.)

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

Airborne 1 - AMC-6 (S2347) - (83 W.L.)

Airborne 1 - EUTELSAT174A(S2610) - (174 E. L.)

Airborne 1 - TELSTAR 11N (S2357) - (37.5 W.L.)

Airborne 2 - AMC 21 - (124.9 W.L.)

Airborne 2 - AMC-15 (S2180) - (105.0 W.L.)

Airborne 2 - AMC-6 (S2347) - (83 W.L.)

Airborne 2 - EUTELSAT174A(S2610) - (174 E. L.)

Airborne 2 - TELSTAR 11N (S2357) - (37.5 W.L.)

ESIM-1 - EUTELSAT174A(S2610) - (174 E. L.)

ESIM-1 - SES-10 (S2950) - (66.9 W.L.)

ESIM-2 - PERMITTED LIST - ()

ESIM-3 - PERMITTED LIST - ()

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**SES-MOD-20181016-04303** E E890125 Spectrum Mid-America, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Spectrum Mid-America, LLC requests modification of its fixed earth station in Kearney, NE to correct and update site information.

SITE ID: 1

LOCATION: 802-810 AVE A, BUFFALO, KEARNEY, NE

40 ° 40 ' 57.00 " N LAT.

99 ° 4 ' 52.00 " W LONG.

ANTENNA ID:	1	5 meters	SIMULSAT/ATC	SIMULSAT5
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA
ANTENNA ID:	2	3.7 meters	COMTEC	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA
ANTENNA ID:	3	3 meters	COMTEC	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20181016-06222** E E180119 Spectrum Mid-America, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Spectrum Mid-America, LLC requests modification of its fixed earth station in Madison, IN to correct and update site information.

SITE ID: 1

LOCATION: 1113 CLIFTY DR., Jefferson, Madison, IN

38 ° 46 ' 20.40 " N LAT.

85 ° 24 ' 36.90 " W LONG.

ANTENNA ID:	1	4.5 meters	SA	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA
ANTENNA ID:	2	3.5 meters	PATRIOT	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA
ANTENNA ID:	3	3 meters	DRAKE	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-MOD-20181016-06250** E E181500 Spectrum Mid-America, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Spectrum Mid-America, LLC requests modification of its fixed earth station in Chillicothe, OH to correct and update site information.

SITE ID: 1

LOCATION: 37 Enterprise Pl, Ross, Chillicothe, OH

39 ° 21 ' 9.70 " N LAT.

82 ° 58 ' 20.10 " W LONG.

ANTENNA ID: 1	5 meters	PATRIOT	INKNOWN
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 2	4.5 meters	PATRIOT	UNKNOWN
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-MOD-20181016-06257** E E180741 Spectrum Mid-America, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Spectrum Mid-America, LLC requests modification of its fixed earth station in New Holland, OK to correct and update site information.

SITE ID: 1

LOCATION: 25578 Locust Grove Rd, Pickaway, New Holland, OH

39 ° 34 ' 2.30 " N LAT.

83 ° 11 ' 7.30 " W LONG.

ANTENNA ID: 1	4.5 meters	PATRIOT	UNKNOWN
3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID: 2	3.8 meters	PATRIOT	UNKNOWN
3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-MOD-20181016-06281** E WG28 Spectrum Southeast, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

Spectrum Southeast, LLC requests modification of its fixed earth station in Birmingham, AL to correct the geographic coordinates and update site information.

SITE ID: 1  
LOCATION: 6440 2ND AVE S, JEFFERSON, BIRMINGHAM, AL  
33 ° 32 ' 44.30 " N LAT. 86 ° 44 ' 25.30 " W LONG.

ANTENNA ID:	1	4.5 meters	SA	4.5
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	2	5 meters	SIMULSAT	5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data
ANTENNA ID:	3	3.6 meters	SA	3.6M
	3700.0000 - 4200.0000 MHz		36M0G7W	Video, Audio, Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20181016-06327** E WB50 Spectrum Mid-America, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Spectrum Mid-America, LLC requests modification of its fixed earth station in Owensboro, KY to correct geographic coordinates and update site information.

SITE ID: 1  
LOCATION: INDUSTRIAL DRIVE, DAVIESS, OWENSBORO, KY  
37 ° 46 ' 27.90 " N LAT. 87 ° 9 ' 32.60 " W LONG.

ANTENNA ID:	1	3 meters	DRAKE/MESH	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20181016-06530** E KR30 Spectrum Pacific West, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Spectrum Pacific West, LLC requests modification of its fixed earth station in Glendale, CA to correct and update site information.

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SITE ID: 1  
LOCATION: R6246 SAN FERNANDO RD., LOS ANGELES, GLENDALE, CA  
34 ° 9 ' 52.60 " N LAT. 118 ° 17 ' 9.10 " W LONG.

ANTENNA ID: 1 3 meters PATRIOT UNKNOWN  
3700.0000 - 4200.0000 MHz 36M0G7W VIDEO AUDIO,DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20181016-06534** E WG80 Spectrum Southeast, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Spectrum Southeast, LLC requests modification of its fixed earth station in Wetumpka, AL to correct the geographic coordinates and update site information.

SITE ID: 1  
LOCATION: BALD KNOB (ROAD), ELMORE, WETUMPKA, AL  
32 ° 32 ' 6.80 " N LAT. 86 ° 11 ' 32.90 " W LONG.

ANTENNA ID: 1 4.5 meters SA 4.5M  
3700.0000 - 4200.0000 MHz 36M0G7W Video, Audio, Data

ANTENNA ID: 2 7 meters SA 7M  
3700.0000 - 4200.0000 MHz 36M0G7W Video, Audio, Data

ANTENNA ID: 3 3.8 meters SA 3.8M  
3700.0000 - 4200.0000 MHz 36M0G7W Video, Audio, Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20181016-06535** E E8663 Spectrum Mid-America, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Spectrum Mid-America, LLC requests modification of its fixed earth station in Negaunee, MI to correct and update site information.

SITE ID: 1  
LOCATION: 359 US 41 EAST, MARQUETTE, NEGAUNEE, MI  
46 ° 32 ' 12.90 " N LAT. 87 ° 30 ' 46.10 " W LONG.



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ANTENNA ID: 1                      5 meters                      ATCI                                      SIMULSAT5  
3700.0000 - 4200.0000 MHz                      36M0G7W                                      VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20181016-06536**    E E910119    Spectrum Pacific West, LLC

Application for Modification

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**     Fixed Satellite Service

Spectrum Pacific West, LLC requests modification of its fixed earth station in Burns, OR to correct geographic coordinates and update site information.

SITE ID:                      1  
LOCATION:                      930 S.GRAPE ST, JACKSON, MEDFORD, OR  
                                    42 ° 18 ' 51.40 " N LAT.                                      122 ° 51 ' 59.80 " W LONG.

ANTENNA ID: 1                      4.5 meters                      ATCI                                      SIMULSAT  
3700.0000 - 4200.0000 MHz                      36M0G7W                                      VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20181016-06537**    E E930082    Spectrum Pacific West, LLC

Application for Modification

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**     Fixed Satellite Service

Spectrum Pacific West, LLC requests modification of its fixed earth station in Burns, OR to correct geographic coordinates and update site information.

SITE ID:                      1  
LOCATION:                      814 S. MCGOWAN, HARNEY, BURNS, OR  
                                    43 ° 34 ' 36.70 " N LAT.                                      119 ° 4 ' 11.76 " W LONG.

ANTENNA ID: 1                      7 meters                      ATCI                                      SIMULSAT 5M  
3700.0000 - 4200.0000 MHz                      36M0G7W                                      VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20181016-06539**    E E020100    Spectrum Southeast, LLC

Application for Modification

**Class of Station:**        Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

Spectrum Southeast, LLC requests modification of its fixed earth station in Leeds, AL to correct the geographic coordinates and update site information.

SITE ID: 1  
LOCATION: 270 HWY 78, ST. CLAIR, LEEDS, AL  
33 ° 32 ' 53.50 " N LAT. 86 ° 30 ' 41.40 " W LONG.

ANTENNA ID:	1	5 meters	SIMULSAT	5M
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA
ANTENNA ID:	2	4.5 meters	SA	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA
ANTENNA ID:	3	3.8 meters	SA	3.8M
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20181017-06594** E KB57 Spectrum Pacific West, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Spectrum Pacific West, LLC requests modification of its fixed earth station in Great Falls, MT to correct the geographic coordinates and update site information.

SITE ID: 1  
LOCATION: 2910 10TH AVE S., CASCADE, GREAT FALLS, MT  
47 ° 28 ' 54.50 " N LAT. 111 ° 16 ' 15.50 " W LONG.

ANTENNA ID:	1	4.5 meters	SUPERIORSATELLITE	A8345
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20181017-06595** E KR75 Spectrum Pacific West, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Spectrum Pacific West, LLC requests modification of its fixed earth station in Dillon, MT to correct the geographic coordinates and update site information.

SITE ID: 1  
 LOCATION: 728 W PARK ST, BEAVERHEAD, DILLON, MT  
 45 ° 13 ' 4.50 " N LAT. 112 ° 38 ' 59.90 " W LONG.

ANTENNA ID: 1 3.7 meters EAGLE A8345  
 3700.0000 - 4200.0000 MHz 36M0G7W VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-MOD-20190207-00225** E E070227 Globecomm License Sub LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Globecomm License Sub LLC requests modification of its fixed earth station in Hauppauge, NY to add a 4.8-meter antenna to communicate with Permitted List satellites in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.

SITE ID: 1  
 LOCATION: 45 OSER AVENUE, SUFFOLK, HAUPPAUGE, NY  
 40 ° 48 ' 54.20 " N LAT. 73 ° 14 ' 12.20 " W LONG.

ANTENNA ID:	AOT-26	4.5 meters	ASC SIGNAL CORP.	ES45MPJ
	14000.0000 - 14500.0000 MHz	461KG7W	60.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
	14000.0000 - 14500.0000 MHz	44K0G7W	50.00 dBW	DIGITAL VIDEO, AUDIO, AND DATA
	14000.0000 - 14500.0000 MHz	3M40G7W	68.90 dBW	DIGITAL VIDEO, AUDIO, AND DATA
	14000.0000 - 14500.0000 MHz	30M5G7W	78.40 dBW	DIGITAL VIDEO, AUDIO, AND DATA
	14000.0000 - 14500.0000 MHz	3M40G7D	68.90 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	44K0G7W	50.00 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	36M0G7W	79.10 dBW	DIGITAL VIDEO, AUDIO, AND DATA
	14000.0000 - 14500.0000 MHz	500KG7W	60.50 dBW	DIGITAL DATA CARRIERS
	11700.0000 - 12200.0000 MHz	461KG7W		DIGITAL VIDEO, AUDIO, AND DATA
	11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
	11700.0000 - 12200.0000 MHz	3M40G7W		DIGITAL VIDEO, AUDIO, AND DATA
	11700.0000 - 12200.0000 MHz	30M5G7W		DIGITAL VIDEO, AUDIO, AND DATA

11450.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
ANTENNA ID: AOT-25	4.8 meters	VERTEX/RSI	4.8M
14000.0000 - 14500.0000 MHz	461KG7W	61.50 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	3M40G7W	70.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	30M5G7W	79.70 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	80.40 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	500KG7W	61.80 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	3M40G7D	70.20 dBW	DIGITAL DATA CARRIERS
11700.0000 - 12200.0000 MHz	461KG7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	3M40G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	30M5G7W		DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 12200.0000 MHz	44K0G7W	0.00 dBW	DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA

10950.0000 - 11200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
ANTENNA ID: AOT-22	4.8 meters	VERTEX/RSI	4.8M
14000.0000 - 14500.0000 MHz	27M5G7W	79.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	30M5G7W	79.70 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	3M40G7W	70.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	461KG7W	61.50 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	3M40G7D	70.20 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	500KG7W	61.80 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	36M0G7W	80.40 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 14000.0000 MHz	30M5G7W	76.00 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	30M5G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	3M40G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	461KG7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA

ANTENNA ID:	AOT-1	3.8 meters	VERTEX	3.8DPK
	14000.0000 - 14500.0000 MHz	3M40G7D	68.50 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	44K0G7W	49.70 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	500KG7W	60.20 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	36M0G7W	69.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
	11450.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
	11450.0000 - 12200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
	11450.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
	11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
	10950.0000 - 11200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
	10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
	10950.0000 - 11200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
	10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
ANTENNA ID:	AOT-3	2.4 meters	PRODELIN	1251-502
	14000.0000 - 14500.0000 MHz	3M40G7D	64.50 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	44K0G7W	45.60 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	500KG7W	56.10 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	36M0G7W	65.00 dBW	DIGITAL VIDEO, AUDIO, AND DATA
	11450.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
	11450.0000 - 12200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
	11450.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
	11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
	10950.0000 - 11200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
	10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
	10950.0000 - 11200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
	10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA

ANTENNA ID:	AOT-5	3.7 meters	ANDREW	ES37MPK
	14000.0000 - 14500.0000 MHz	3M40G7D	68.60 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	44K0G7W	49.70 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	500KG7W	60.20 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	36M0G7W	70.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
	11450.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
	11450.0000 - 12200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
	11450.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
	11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
	10950.0000 - 11200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
	10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
	10950.0000 - 11200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
	10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
ANTENNA ID:	AOT-27	1.03 meters	SAILOR	900
	14000.0000 - 14500.0000 MHz	3M40G7D	52.90 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	44K0G7W	34.00 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	500KG7W	44.50 dBW	DIGITAL DATA CARRIERS
	14000.0000 - 14500.0000 MHz	36M0G7W	57.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
	11700.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
	11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
	11700.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
	11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
ANTENNA ID:	AOT-24	4.8 meters	VERTEX RSI	
	14000.0000 - 14500.0000 MHz	3M40G7D	70.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
	14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
	14000.0000 - 14500.0000 MHz	500KG7W	61.80 dBW	DIGITAL VIDEO, AUDIO, AND DATA

14000.0000 - 14500.0000 MHz	36M0G7W	80.40 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	27M5G7W	79.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	30M5G7W	79.70 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	3M40G7W	70.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	461KG7W	61.50 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	30M5G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	3M40G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	461KG7W		DIGITAL VIDEO, AUDIO, AND DATA

**Points of Communication:**

1 - HISPASAT 1C - (30.0 W.L.)

1 - PERMITTED LIST - ()

**SES-MOD-20190225-00226** E E960222 Denali 20020, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Denali 20020 LLC requests modification of its fixed earth station in Brewster, WA to add a 3.7- meter antenna to communicate with Permitted List satellites in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.

**SITE ID:** 1

**LOCATION:** 1711 OLD HWY. 97, OKANOGAN, BREWSTER, WA

48 ° 8 ' 50.50 " N LAT.

119 ° 41 ' 33.20 " W LONG.

<b>ANTENNA ID:</b> 1	9 meters	VERTEX	9KPC
14000.0000 - 14500.0000 MHz	72M0G7D	88.70 dBW	DIGITAL DATA AND VIDEO
11700.0000 - 12200.0000 MHz	72M0G7D		DIGITAL DATA AND VIDEO
5850.0000 - 6425.0000 MHz	2M40G7D	83.50 dBW	
5850.0000 - 6425.0000 MHz	36M0G7F	83.50 dBW	
5850.0000 - 6425.0000 MHz	36M0F3F	83.50 dBW	
3625.0000 - 4200.0000 MHz	2M40G7D		



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3625.0000 - 4200.0000 MHz                      36M0G7F

3625.0000 - 4200.0000 MHz                      36M0F3F

ANTENNA ID:    2                                      3.7 meters                      GLOBAL STAR                                      GS-370

14000.0000 - 14500.0000 MHz                      36M0G7W                      78.20 dBW                                      DIGITAL CARRIER

11700.0000 - 12200.0000 MHz                      36M0G7W                                      DIGITAL CARRIER

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20190318-00384**    E E880083                      Sarkes Tarzian, Inc.

Application for Modification

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

**Nature of Service:**              Fixed Satellite Service

Sarkes Tarzian, Inc. requests modification of its fixed earth station in Chattanooga, NC to replace the antenna to communicate with Permitted List satellites in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.

SITE ID:                      1

LOCATION:                      900 WHITEHALL ROAD VARIOUS, CHATTANOOGA, CHATTANOOGA, NC

ANTENNA ID:    1                                      5 meters                                      AVL TECHNOLOGIES                                      1210K

14000.0000 - 14500.0000 MHz                      36M0G7W                      64.07 dBW                                      DIGITAL VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20190522-00613**    E E070276                      KPTV-KPDX Broadcasting Corporation

Application for Modification

**Class of Station:**              Fixed Earth Stations

**Nature of Service:**              Fixed Satellite Service

KPTV-KPDX Broadcasting Corporation requests modification of its fixed earth station in Beaverton, OR to remove transmit authority to communicate with Permitted List satellites in the 3700-4200 MHz (space-to-Earth) frequency band.

SITE ID:                      1

LOCATION:                      14975 N.W. Greenbrier Parkway, Washington, Beaverton, OR

45 ° 31 ' 36.40 " N LAT.

122 ° 49 ' 45.40 " W LONG.

ANTENNA ID:    1                                      4.5 meters                                      Andrew Corp.                                      ESA45

3700.0000 - 4200.0000 MHz                      45M0G7W                                      45Mbit MCPC digital carrier for video/voice/data

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-MOD-20190523-00625** E E040425 Sinclair Television Media, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Sinclair Television Media, Inc. requests modification of its fixed earth station Portland, OR to update the geographic coordinates and emission designator.

SITE ID: 1

LOCATION: 255 NW SKYLINE BLVD., MULTNOMAH, PORTLAND, OR  
45 ° 31 ' 12.20 " N LAT. 122 ° 44 ' 42.30 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORPORATION ESA45-46A

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-MOD-20190523-00652** E E990075 SINCLAIR BAKERSFIELD LICENSEE, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Sinclair Bakersfield Licensee, LLC requests modification of its fixed earth station Bakersfield, CA to update the geographic coordinates and emission designator.

SITE ID: 1

LOCATION: 1901 WESTWIND DRIVE, KERN, BAKERSFIELD, CA  
35 ° 22 ' 35.80 " N LAT. 119 ° 2 ' 38.20 " W LONG.

ANTENNA ID: 1 7.3 meters ANDREW CORPORATION ESA73-46

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-MOD-20190925-01206** E E182049 Altice USA, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Altice USA, Inc. requests modification of its fixed earth station to remove Site ID Daingerfiled in Morris, TX.

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SITE ID: BOONEVILLE  
 LOCATION: 6000 N State Hwy 23, Logan, Booneville, AR  
 35 ° 9 ' 59.37 " N LAT. 93 ° 55 ' 27.74 " W LONG.

ANTENNA ID: 1                      3.8 meters              Patriot                      3.8 Meter  
 3700.0000 - 4200.0000 MHz              36M0G7W                      Digital Video Carrier

SITE ID: BOONVILLE  
 LOCATION: 1253 Starlight Drive, Cooper, Boonville, MO  
 38 ° 57 ' 8.10 " N LAT. 92 ° 45 ' 23.50 " W LONG.

ANTENNA ID: 2                      4.5 meters              Andrew                      4.5 meter  
 3700.0000 - 4200.0000 MHz              36M0G7W                      Digital Video Carrier

SITE ID: ATHENS  
 LOCATION: 108 Dull Averiette St, Henderson, Athens, TX  
 32 ° 12 ' 12.60 " N LAT. 95 ° 50 ' 55.00 " W LONG.

ANTENNA ID: 3                      7 meters              Patriot                      7 Meter  
 3700.0000 - 4200.0000 MHz              36M0G7W                      Digital Video Carrier

SITE ID: BRANSON  
 LOCATION: 310 Walnut Ext, Taney, Branson, MO  
 36 ° 38 ' 49.10 " N LAT. 93 ° 13 ' 2.90 " W LONG.

ANTENNA ID: 4                      5 meters              ANTENNA TECH                      SIMULSAT 5M  
 3700.0000 - 4200.0000 MHz              36M0G7W                      Digital Video Carrier

SITE ID: BRECKENRIDGE  
 LOCATION: 2114 W Walker, Stephens, Breckenridge, TX  
 32 ° 45 ' 22.60 " N LAT. 98 ° 55 ' 50.30 " W LONG.

ANTENNA ID: 5                      4.5 meters              SCIENTIFIC-ATLANTA, INC                      4.5 Meter  
 3700.0000 - 4200.0000 MHz              36M0G7W                      DIGITAL VIDEO CARRIER

SITE ID: BRENHAM  
 LOCATION: 2555 Old Masonic Road, Washington, Brenham, TX  
 30 ° 11 ' 42.00 " N LAT. 96 ° 24 ' 8.60 " W LONG.

ANTENNA ID: 6                      7.3 meters              SCIENTIFIC-ATLANTA, INC                      7.3 Meter  
 3700.0000 - 4200.0000 MHz              36M0G7W                      DIGITAL VIDEO CARRIER

SITE ID: BROOKFIELD  
 LOCATION: 222 Pershing Street, Linn, Brookfield, MO  
 39 ° 47 ' 12.50 " N LAT. 93 ° 5 ' 54.70 " W LONG.

ANTENNA ID:	7	4.6 meters	Scientific Atlanta	4.6 METER
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	CHARLESTON			
LOCATION:	3 Eagle Dr, Kanawha, Charleston, WV			
	38 ° 17 ' 43.50 " N LAT.			81 ° 44 ' 47.20 " W LONG.
ANTENNA ID:	8	5 meters	ANTENNA TECH	SIMULSAT 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
SITE ID:	BRADY			
LOCATION:	507 1/2 W China Street, McCulloch, Brady, TX			
	31 ° 8 ' 5.40 " N LAT.			99 ° 20 ' 18.20 " W LONG.
ANTENNA ID:	9	4.5 meters	SCIENTIFIC-ATLANTA, INC	4.5 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	DEWITT			
LOCATION:	B & K Lane, Arkansas, DeWitt, AR			
	34 ° 18 ' 11.50 " N LAT.			91 ° 19 ' 52.90 " W LONG.
ANTENNA ID:	10	5 meters	AFC	5 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	EASTLAND			
LOCATION:	9851 E Highway I-20, Eastland, Eastland, TX			
	32 ° 24 ' 11.99 " N LAT.			98 ° 46 ' 39.00 " W LONG.
ANTENNA ID:	11	4.5 meters	Scientific-Atlantic	4.5 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	FAIRVIEW			
LOCATION:	1700 Sand Creek, Major, Fairview, OK			
	36 ° 15 ' 38.70 " N LAT.			98 ° 28 ' 15.50 " W LONG.
ANTENNA ID:	12	4.5 meters	Prodelin	4.5 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	FORESTHILL			
LOCATION:	5180 Henry Way, Placer, Foresthill, CA			
	39 ° 0 ' 12.60 " N LAT.			120 ° 51 ' 18.36 " W LONG.
ANTENNA ID:	13	3.5 meters	Patriot	3.5 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER

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SITE ID: CHARLESTON  
 LOCATION: S School Street, Franklin, Charleston, AR  
 35 ° 17 ' 30.30 " N LAT. 94 ° 2 ' 38.10 " W LONG.

ANTENNA ID: 14                      5 meters                      Scientific-Atlantic                      5.0 Meter  
 3700.0000 - 4200.0000 MHz                      36M0G7W                      DIGITAL VIDEO CARRIER

SITE ID: GATESVILLE  
 LOCATION: 2536 E Main St, Coryell, Gatesville, TX  
 31 ° 26 ' 4.00 " N LAT. 97 ° 43 ' 26.70 " W LONG.

ANTENNA ID: 15                      3.8 meters                      Challenger                      3.8 meter  
 3700.0000 - 4200.0000 MHz                      36M0G7W                      DIGITAL VIDEO CARRIER

SITE ID: GEORGETOWN  
 LOCATION: 111 N College, Williamson, Georgetown, TX  
 30 ° 38 ' 35.80 " N LAT. 97 ° 40 ' 17.70 " W LONG.

ANTENNA ID: 16                      3.8 meters                      Challenger                      3.8 meter  
 3700.0000 - 4200.0000 MHz                      36M0G7W                      DIGITAL VIDEO CARRIER

SITE ID: GRAPELAND  
 LOCATION: 112 1/2 Raines Road, Houston, Grapeland, TX  
 31 ° 30 ' 5.60 " N LAT. 95 ° 29 ' 17.10 " W LONG.

ANTENNA ID: 17                      3.9 meters                      Patriot                      3.9 meter  
 3700.0000 - 4200.0000 MHz                      36M0G7W                      DIGITAL VIDEO CARRIER

SITE ID: GRAYSON  
 LOCATION: 332 W Sunset Hill, Carter, Grayson, KY  
 38 ° 19 ' 31.66 " N LAT. 82 ° 58 ' 59.04 " W LONG.

ANTENNA ID: 18                      3.8 meters                      Patriot                      3.8 meter  
 3700.0000 - 4200.0000 MHz                      36M0G7W                      DIGITAL VIDEO CARRIER

SITE ID: GREENWOOD  
 LOCATION: 819 Hwy 7 North, Leflore, Greenwood, MS  
 33 ° 32 ' 37.62 " N LAT. 90 ° 8 ' 32.63 " W LONG.

ANTENNA ID: 19                      3.5 meters                      Patriot                      3.5 METER  
 3700.0000 - 4200.0000 MHz                      36M0G7W                      DIGITAL VIDEO CARRIER

SITE ID: FORT SILL  
 LOCATION: 477 Rucker Road, Comanche, Fort Sill, OK  
 34 ° 40 ' 42.90 " N LAT. 98 ° 23 ' 19.60 " W LONG.

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ANTENNA ID:	20	8 meters	Vertex	8 METER
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	HAZEN			
LOCATION:	1600 Industrial Road, Prairie, Hazen, AR			
	34 ° 47 ' 32.70 " N LAT.		91 ° 33 ' 53.50 " W LONG.	
ANTENNA ID:	21	4 meters	SSE	4 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	HELENA			
LOCATION:	458 Oakland Ave, Phillips, Helena, AR			
	34 ° 32 ' 18.42 " N LAT.		90 ° 37 ' 4.87 " W LONG.	
ANTENNA ID:	22	5 meters	ANTENNA TECH CORP	SIMULSAT 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	HENRYETTA			
LOCATION:	911 N 14th Street, Okmulgee, Henryetta, OK			
	35 ° 26 ' 53.10 " N LAT.		95 ° 59 ' 58.60 " W LONG.	
ANTENNA ID:	23	5 meters	Anixter-Mark	5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	HUGHES			
LOCATION:	100 Nickel St, St Francis, Hughes, AR			
	34 ° 56 ' 58.50 " N LAT.		90 ° 28 ' 15.40 " W LONG.	
ANTENNA ID:	24	4 meters	SSE	4 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
SITE ID:	INGRAM			
LOCATION:	117 Hwy 39, Kerr, Ingram, TX			
	30 ° 5 ' 21.02 " N LAT.		99 ° 14 ' 11.46 " W LONG.	
ANTENNA ID:	25	7 meters	SCIENTIFIC-ATLANTA, INC	7 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	HAMLIN			
LOCATION:	50 SW 6th St, Jones, Hamlin, TX			
	32 ° 52 ' 43.70 " N LAT.		100 ° 7 ' 31.50 " W LONG.	
ANTENNA ID:	26	4.5 meters	Scientific-Atlantic	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER

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SITE ID: JEFFERSON CITY  
 LOCATION: 3515 Zion Road, Cole, Jefferson City, MO  
 38 ° 31 ' 31.20 " N LAT. 92 ° 16 ' 8.90 " W LONG.

ANTENNA ID: 27 3.8 meters Prodelin 3.8 Meter  
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: JUNCTION  
 LOCATION: 2519 College Street, Kimble, Junction, TX  
 30 ° 29 ' 27.10 " N LAT. 99 ° 47 ' 24.20 " W LONG.

ANTENNA ID: 28 5.5 meters SCIENTIFIC-ATLANTIC 5.5 Meter  
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: KINGMAN  
 LOCATION: 3900 Airway Ave, Mohave, Kingman, AZ  
 35 ° 13 ' 27.90 " N LAT. 114 ° 0 ' 48.30 " W LONG.

ANTENNA ID: 29 5 meters Antenna Tech Corp Simulsat 5m  
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: MOREAUVILLE  
 LOCATION: 1345 Highway 451, Avoyelles, Moreauville, LA  
 31 ° 4 ' 38.50 " N LAT. 91 ° 55 ' 55.90 " W LONG.

ANTENNA ID: 30 3.7 meters Patriot 3.7 Meter  
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: ROTAN  
 LOCATION: 102 N Florence Ave, Fisher, Rotan, TX  
 32 ° 51 ' 9.90 " N LAT. 100 ° 27 ' 44.40 " W LONG.

ANTENNA ID: 31 4.5 meters SCIENTIFIC-ATLANTA, INC 4.5 meter  
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: JACKSONVILLE  
 LOCATION: 415 Jowell St, Cherokee, Jacksonville, TX  
 32 ° 0 ' 18.20 " N LAT. 95 ° 16 ' 24.10 " W LONG.

ANTENNA ID: 32 7 meters Patriot 7 Meter  
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: RUSSELLVILLE  
 LOCATION: 175 Cablevision Rd, Logan, Russellville, KY  
 36 ° 51 ' 50.30 " N LAT. 86 ° 54 ' 8.80 " W LONG.

ANTENNA ID:	33	5 meters	SCIENTIFIC-ATLANTIC	5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	RUSTON			
LOCATION:	1004 Saratoga Ave, Lincoln, Ruston, LA			
	32 ° 31 ' 14.00 " N LAT.			92 ° 39 ' 59.60 " W LONG.
ANTENNA ID:	34	10 meters	SCIENTIFIC-ATLANTA, INC	10 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	SAN SABA			
LOCATION:	908 Chapel Hill Road, San Saba, San Saba, TX			
	31 ° 11 ' 1.90 " N LAT.			98 ° 42 ' 52.90 " W LONG.
ANTENNA ID:	35	4.5 meters	SCIENTIFIC-ATLANTIC	4.5 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	SENECAVILLE			
LOCATION:	58429 Greenleaf Lane, Guernsey, Senecaville, OH			
	39 ° 56 ' 47.90 " N LAT.			81 ° 27 ' 46.80 " W LONG.
ANTENNA ID:	36	3.8 meters	Patriot	3.8 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier
SITE ID:	ST JOSEPH			
LOCATION:	102 North Woodbine Road, Buchanan, St Joseph, MO			
	39 ° 46 ' 1.70 " N LAT.			94 ° 47 ' 50.10 " W LONG.
ANTENNA ID:	37	4.6 meters	SCIENTIFIC-ATLANTA, INC	4.6 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	PADUCAH			
LOCATION:	1516 Goodwin St, Cottle, Paducah, TX			
	34 ° 0 ' 26.20 " N LAT.			100 ° 18 ' 41.70 " W LONG.
ANTENNA ID:	38	3.8 meters	Comtech Antenna	3.8 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER
SITE ID:	TERRELL			
LOCATION:	6094 Hwy 80 West, Kaufman, Terrell, TX			
	32 ° 44 ' 29.30 " N LAT.			96 ° 21 ' 39.20 " W LONG.
ANTENNA ID:	39	3.2 meters	Prodelin	3.2 Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL VIDEO CARRIER



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SITE ID: TRENTON  
 LOCATION: 2007 Tower Street, Grundy, Trenon, MO  
 40 ° 5 ' 5.40 " N LAT. 93 ° 37 ' 35.20 " W LONG.

ANTENNA ID: 40                      4.6 meters              4.6 Meter                      4.6 Meter  
 3700.0000 - 4200.0000 MHz              36M0G7W                      Digital Video Carrier

SITE ID: WALDRON  
 LOCATION: 1643 Washington St, Scott, Waldron, AR  
 34 ° 53 ' 11.40 " N LAT. 94 ° 5 ' 31.20 " W LONG.

ANTENNA ID: 41                      3.4 meters              Patriot                      3.4 meter  
 3700.0000 - 4200.0000 MHz              36M0G7W                      DIGITAL VIDEO CARRIER

SITE ID: WHITE HALL  
 LOCATION: 201 Anderson Street, Jefferson, White Hall, AR  
 34 ° 16 ' 35.60 " N LAT. 92 ° 5 ' 35.70 " W LONG.

ANTENNA ID: 42                      3.5 meters              Patriot                      3.5 Meter  
 3700.0000 - 4200.0000 MHz              36M0G7W                      DIGITAL VIDEO CARRIER

SITE ID: ABILENE  
 LOCATION: 902 S Clack St, Taylor, Abilene, TX  
 32 ° 26 ' 22.20 " N LAT. 99 ° 47 ' 17.00 " W LONG.

ANTENNA ID: 43                      5 meters              Antenna Tech Corp                      Simulsat 5m  
 3700.0000 - 4200.0000 MHz              36M0G7W                      Digital Video Carrier

SITE ID: STUTTGART  
 LOCATION: 1466 E 10th Street, Arkansas, Stuttgart, AR  
 34 ° 29 ' 37.30 " N LAT. 91 ° 32 ' 25.70 " W LONG.

ANTENNA ID: 44                      4 meters              Patriot                      4.0 meter  
 3700.0000 - 4200.0000 MHz              36M0G7W                      DIGITAL VIDEO CARRIER

SITE ID: OZARK  
 LOCATION: 1201 King Mt Road, Franklin, Ozark, AR  
 35 ° 30 ' 1.20 " N LAT. 93 ° 48 ' 44.20 " W LONG.

ANTENNA ID: 45                      3.8 meters              Patriot                      3.8 Meter  
 3700.0000 - 4200.0000 MHz              36M0G7W                      DIGITAL VIDEO CARRIER

SITE ID: MALVERN  
 LOCATION: 1131 W Moline Street, Hot Spring, Malvern, AR  
 34 ° 22 ' 34.60 " N LAT. 92 ° 49 ' 29.10 " W LONG.

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ANTENNA ID: 46                      4.5 meters              Patriot                                      4.5 Meter  
  
    3700.0000 - 4200.0000 MHz                      36M0G7W                                      DIGITAL VIDEO CARRIER

SITE ID:                      MAMMOTH LAKES  
 LOCATION:                      440 Commerce Circle, Mono, Mammoth Lakes, CA  
    37 ° 38 ' 35.70 " N LAT.    118 ° 57 ' 17.80 " W LONG.

ANTENNA ID: 47                      5 meters                      SCIENTIFIC-ATLANTA, INC                      5 Meter  
  
    3700.0000 - 4200.0000 MHz                      36M0G7W                                      DIGITAL VIDEO CARRIER

SITE ID:                      BLYTHE  
 LOCATION:                      129 S 2nd, Riverside, Blythe, CA  
    33 ° 36 ' 34.80 " N LAT.    114 ° 35 ' 39.70 " W LONG.

ANTENNA ID: 48                      4.5 meters                      Andrew                                      4.5 meter  
  
    3700.0000 - 4200.0000 MHz                      36M0G7W                                      DIGITAL VIDEO SERVICE

SITE ID:                      Pahrump  
 LOCATION:                      1051 South Bunch St., Clark, Pahrump, NV  
    36 ° 12 ' 15.80 " N LAT.    116 ° 2 ' 1.20 " W LONG.

ANTENNA ID: 49                      3.5 meters                      Patriot                                      3.5 meter  
  
    3700.0000 - 4200.0000 MHz                      36M0G7W                                      DIGITAL VIDEO CARRIER

SITE ID:                      POTEAU  
 LOCATION:                      300 N Webb Lane, LeFlore, Poteau, OK  
    35 ° 3 ' 17.40 " N LAT.    94 ° 38 ' 47.90 " W LONG.

ANTENNA ID: 50                      7.4 meters                      Scientific-Atlantic                      7.4 Model  
  
    3700.0000 - 4200.0000 MHz                      36M0G7W                                      DIGITAL VIDEO CARRIER

SITE ID:                      Prairie View  
 LOCATION:                      300 Hwy 290 East, Waller, Prairie View, TX  
    30 ° 4 ' 21.40 " N LAT.    95 ° 59 ' 16.10 " W LONG.

ANTENNA ID: 51                      3.8 meters                      Patriot                                      3.8 meter  
  
    3700.0000 - 4200.0000 MHz                      36M0G7W                                      DIGITAL VIDEO CARRIER

SITE ID:                      Bryan  
 LOCATION:                      4114 East 29th street, Brazos, Bryan, TX  
    30 ° 38 ' 33.80 " N LAT.    96 ° 19 ' 58.30 " W LONG.

ANTENNA ID: 52                      3.8 meters                      Challenger                                      3.8 meter  
  
    3700.0000 - 4200.0000 MHz                      36M0G7W                                      DIGITAL VIDEO CARRIER

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SITE ID: Caldwell  
LOCATION: 3394 State Hwy 21 W, BURLESON, Caldwell, TX  
30 ° 30 ' 42.18 " N LAT. 96 ° 44 ' 19.02 " W LONG.

ANTENNA ID: 53 5.5 meters Scientific Atlanta 5.5 meter  
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: Bastrop  
LOCATION: 795 Kammell, Morehouse, Bastrop, LA  
32 ° 46 ' 59.30 " N LAT. 91 ° 56 ' 17.90 " W LONG.

ANTENNA ID: 54 3.5 meters Patriot 3.5 Meter  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: BECKLEY  
LOCATION: 329 Harper Heights Rd, Raleigh, Beckley, WV  
37 ° 48 ' 14.50 " N LAT. 81 ° 14 ' 3.60 " W LONG.

ANTENNA ID: 55 3.8 meters Patriot 3.8 Meter  
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: BIG LAKE  
LOCATION: 100 Osterich Road, Reagan, Big Lake, TX  
31 ° 12 ' 33.70 " N LAT. 101 ° 26 ' 30.30 " W LONG.

ANTENNA ID: 56 4.5 meters SCIENTIFIC-ATLANTA 4.5 METER  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

**Points of Communication:**

- ABILENE - PERMITTED LIST - ()
- ATHENS - PERMITTED LIST - ()
- Bastrop - PERMITTED LIST - ()
- BECKLEY - PERMITTED LIST - ()
- BIG LAKE - PERMITTED LIST - ()
- BLYTHE - PERMITTED LIST - ()
- BOONEVILLE - PERMITTED LIST - ()
- BOONVILLE - PERMITTED LIST - ()
- BRADY - PERMITTED LIST - ()
- BRANSON - PERMITTED LIST - ()
- BRECKENRIDGE - PERMITTED LIST - ()

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BRENHAM - PERMITTED LIST - ()  
BROOKFIELD - PERMITTED LIST - ()  
Bryan - PERMITTED LIST - ()  
Caldwell - PERMITTED LIST - ()  
CHARLESTON - PERMITTED LIST - ()  
CHARLESTON - PERMITTED LIST - ()  
DEWITT - PERMITTED LIST - ()  
EASTLAND - PERMITTED LIST - ()  
FAIRVIEW - PERMITTED LIST - ()  
FORESTHILL - PERMITTED LIST - ()  
FORT SILL - PERMITTED LIST - ()  
GATESVILLE - PERMITTED LIST - ()  
GEORGETOWN - PERMITTED LIST - ()  
GRAPELAND - PERMITTED LIST - ()  
GRAYSON - PERMITTED LIST - ()  
GREENWOOD - PERMITTED LIST - ()  
HAMLIN - PERMITTED LIST - ()  
HAZEN - PERMITTED LIST - ()  
HELENA - PERMITTED LIST - ()  
HENRYETTA - PERMITTED LIST - ()  
HUGHES - PERMITTED LIST - ()  
INGRAM - PERMITTED LIST - ()  
JACKSONVILLE - PERMITTED LIST - ()  
JEFFERSON CITY - PERMITTED LIST - ()  
JUNCTION - PERMITTED LIST - ()  
KINGMAN - PERMITTED LIST - ()  
MALVERN - PERMITTED LIST - ()  
MAMMOTH LAKES - PERMITTED LIST - ()  
MOREAUVILLE - PERMITTED LIST - ()  
OZARK - PERMITTED LIST - ()

- PADUCAH - PERMITTED LIST - ()
- Pahrump - PERMITTED LIST - ()
- POTEAU - PERMITTED LIST - ()
- Prairie View - PERMITTED LIST - ()
- ROTAN - PERMITTED LIST - ()
- RUSSELLVILLE - PERMITTED LIST - ()
- RUSTON - PERMITTED LIST - ()
- SAN SABA - PERMITTED LIST - ()
- SENECAVILLE - PERMITTED LIST - ()
- ST JOSEPH - PERMITTED LIST - ()
- STUTTGART - PERMITTED LIST - ()
- TERRELL - PERMITTED LIST - ()
- TRENTON - PERMITTED LIST - ()
- WALDRON - PERMITTED LIST - ()
- WHITE HALL - PERMITTED LIST - ()

**SES-MOD-20200317-00247**    E E190169    L3 IEC

Application for Modification

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**     Fixed Satellite Service

L3 IEC requests modification of its fixed earth station in Brevard, FL to extend the time to construct and operate to May 14, 2021.

SITE ID:                    1

LOCATION:                  10400 Philips Parkway Building 18900, Brevard, FL

28 ° 23 ' 48.61 " N LAT.

80 ° 36 ' 20.37 " W LONG.

ANTENNA ID:	1	3.8 meters	GD Satcom (039295)	3.8m Dual Offset
	14000.0000 - 14500.0000 MHz	4M96G7W	64.50 dBW	DIGITAL TRAFFIC, VARIOUS INFORMATION RATES. VARIOUS FEC TYPES, TRANSPORT FOR VARIOUS FORMS OF VOICE, VIDEO, DATA
	14000.0000 - 14500.0000 MHz	64K0G7W	50.54 dBW	DIGITAL TRAFFIC, VARIOUS INFORMATION RATES. VARIOUS FEC TYPES, TRANSPORT FOR VARIOUS FORMS OF VOICE, VIDEO, DATA

11700.0000 - 12200.0000 MHz	4M96G7W	0.00 dBW	DIGITAL TRAFFIC, VARIOUS INFORMATION RATES. VARIOUS FEC TYPES, TRANSPORT FOR VARIOUS FORMS OF VOICE, VIDEO, DATA
11700.0000 - 12200.0000 MHz	64K0G7W	0.00 dBW	DIGITAL TRAFFIC, VARIOUS INFORMATION RATES. VARIOUS FEC TYPES, TRANSPORT FOR VARIOUS FORMS OF VOICE, VIDEO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-MOD-20200505-00492** E WD58 The Christian Broadcasting Network, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

The Christian Broadcasting Network, Inc. requests modification of its fixed earth station in Virginia Beach, VA to add four remote control points.

SITE ID: 1

LOCATION: 977 CENTERVILLE TURNPIKE, IND. CITY, VIRGINIA BEACH, VA

36 ° 48 ' 1.50 " N LAT.

76 ° 11 ' 29.20 " W LONG.

ANTENNA ID: 1	10 meters	SCIENTIFIC ATLANTA	8002
5925.0000 - 6425.0000 MHz	36M0G7W	77.50 dBW	DIGITAL
5925.0000 - 6425.0000 MHz	51K2G7W	77.50 dBW	DIGITAL
5925.0000 - 6425.0000 MHz	36M0F3F	77.50 dBW	ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7W		DIGITAL
3700.0000 - 4200.0000 MHz	51K2G7W		DIGITAL
3700.0000 - 4200.0000 MHz	36M0F3F		ANALOG VIDEO
ANTENNA ID: 2	9 meters	HARRIS	5251
5925.0000 - 6425.0000 MHz	36M0G7W	77.50 dBW	DIGITAL
5925.0000 - 6425.0000 MHz	51K2G7W	77.50 dBW	DIGITAL
5925.0000 - 6425.0000 MHz	36M0F3F	77.50 dBW	ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7W		DIGITAL
3700.0000 - 4200.0000 MHz	51K2G7W		DIGITAL

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3700.0000 - 4200.0000 MHz

36M0F3F

ANALOG

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20200505-00493** E E930230 The Christian Broadcasting Network, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

The Christian Broadcasting Network, Inc. requests modification of its fixed earth station in Virginia, Beach, VA to add four remote control points.

SITE ID: 1

LOCATION: 977 CENTERVILLE TURNPIKE, IND. CITY, VIRGINIA BEACH, VA

36 ° 48 ' 1.00 " N LAT.

76 ° 11 ' 27.50 " W LONG.

ANTENNA ID:	1	11 meters	SCIENTIFIC-ATLANTA	8007
6098.5500 - 6425.0000 MHz	36M0G7W	78.40 dBW	DIGITAL VIDEO	
6098.5500 - 6425.0000 MHz	51K2G7W	55.00 dBW	DIGITAL VIDEO	
6068.9000 - 6088.3500 MHz	36M0G7W	78.40 dBW	DIGITAL VIDEO	
6068.9000 - 6088.3500 MHz	51K2G7W	55.00 dBW	DIGITAL VIDEO	
5925.0000 - 6425.0000 MHz	36M0G7W	78.40 dBW	DIGITAL VIDEO	
5925.0000 - 6425.0000 MHz	51K2G7W	55.00 dBW	DIGITAL VIDEO	
5925.0000 - 6425.0000 MHz	36M0F3F	78.40 dBW	ANALOG VIDEO	
5925.0000 - 6058.7000 MHz	36M0G7W	78.40 dBW	DIGITAL VIDEO	
5925.0000 - 6058.7000 MHz	51K2G7W	55.00 dBW	DIGITAL VIDEO	
3700.0000 - 4200.0000 MHz	36M0G7W		DIGITAL VIDEO	
3700.0000 - 4200.0000 MHz	51K2G7W		DIGITAL VIDEO	
3700.0000 - 4200.0000 MHz	36M0F3F		ANALOG VIDEO	

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180503-00548** E E180207 Kansas State University

Registration

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: McCain Main Studios

LOCATION: McCain Auditorium, Third Floor 1501 Goldstein Circle, Riley, Manhattan, KS  
39 ° 11 ' 12.88 " N LAT. 96 ° 34 ' 45.89 " W LONG.

ANTENNA ID: 1

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

McCain Main Studios - PERMITTED LIST - ()

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**SES-REG-20180612-01417** E E180808 City of Wadsworth

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 365 Broad Street, Medina, Wadsworth, OH  
41 ° 1 ' 27.30 " N LAT. 81 ° 43 ' 12.61 " W LONG.

ANTENNA ID: SA8345 4.5 meters Scientific Atlanta 8345

3700.0000 - 4200.0000 MHz 36M0G7W Television

ANTENNA ID: Pro37 3.7 meters Prodelin P370FAE

3700.0000 - 4200.0000 MHz 36M0G7W Television

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180621-01811** E E181082 Connecticut Radio Fellowship, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1933 South Main Street (Radio Station WIHS), Middlesex, Middletown, CT  
41 ° 30 ' 26.31 " N LAT. 72 ° 40 ' 19.14 " W LONG.

ANTENNA ID: Main Dish 3.8 meters Patriot 3.8 meter

3700.0000 - 4200.0000 MHz 36M0G7W -30.00 dBW Digital Audio SubCarriers

**Points of Communication:**



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1 - PERMITTED LIST - ()

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**SES-REG-20180720-02115** E E181319 TSC COMMUNICATIONS,INC.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Wapakoneta, Ohio

LOCATION: 1051 Dearbaugh AV. 2 Willipie St., PO BOX 408, Auglaize, Wapakoneta, OH  
40 ° 33 ' 31.00 " N LAT. 84 ° 12 ' 37.00 " W LONG.

ANTENNA ID: 5M 5 meters Antenna Tech Corp Simulsat 5M

3700.0000 - 4200.0000 MHz 36M0G7W 44.00 dBW

**Points of Communication:**

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Wapakoneta, Ohio - PERMITTED LIST - ()

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**SES-REG-20180720-02487** E E181601 Dina L Mason

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 400 Tower Drive, Greene, Paragould, AR  
36 ° 3 ' 1.20 " N LAT. 90 ° 27 ' 44.40 " W LONG.

ANTENNA ID: 1 2.8 meters Harris 5115

3700.0000 - 4.2000 MHz 36M0G7W Programing

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-REG-20180725-02116** E E181320 USAF

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 28 OWS

LOCATION: 2120 72nd st, Douglas, Omaha, NE  
33 ° 58 ' 22.00 " N LAT. 80 ° 26 ' 41.00 " W LONG.

ANTENNA ID: 28ows 3.4 meters Prodelin 3.4

3700.0000 - 4200.0000 MHz 36M0G7D data

**Points of Communication:**

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28 OWS - PERMITTED LIST - ()

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**SES-REG-20180809-03836** E E190156 Comcast Cable Communications Management, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Albuquerque

LOCATION: 2633 Tennessee, N.E., Bernalillo, Albuquerque, NM  
35 ° 6 ' 39.00 " N LAT.

106 ° 33 ' 28.00 " W LONG.

ANTENNA ID: 3.8 3.8 meters Patriot 3.8 Meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

**Points of Communication:**

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Albuquerque - PERMITTED LIST - ()

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**SES-REG-20180810-03859** E E190190 Consolidated Communications Enterprise Services, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Sac 1

LOCATION: 5411 Luce Avenue McClellan, USA, Sacramento, CA  
38 ° 39 ' 56.80 " N LAT.

121 ° 23 ' 34.90 " W LONG.

ANTENNA ID: Sac1 4.5 meters Scientific Atlanta 8345

3700.0000 - 4200.0000 MHz 36M0G7W Analog and digital video

**Points of Communication:**

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Sac 1 - PERMITTED LIST - ()

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**SES-REG-20180813-03870** E E190202 Consolidated Communications Enterprise Services, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KRNEY

LOCATION: 5411 Luce Avenue McClellan, USA, Sacramento, CA  
39 ° 22 ' 45.47 " N LAT.

94 ° 21 ' 54.59 " W LONG.

ANTENNA ID: KRNEY 3.8 meters Patriot 3.8m

3700.0000 - 4200.0000 MHz 36M0G7W Analog and digital video

**Points of Communication:**

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KRNEY - PERMITTED LIST - ()

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**SES-REG-20180815-02737** E E181758 Minnesota Valley Television Improvement Corporation

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: MN-67, Yellow Medicine, Granite Falls, MN

44 ° 48 ' 17.00 " N LAT.

95 ° 34 ' 50.00 " W LONG.

ANTENNA ID:	1	5 meters	USS	500	
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW	Digital Video
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW	Analog Video with associated subcarriers
ANTENNA ID:	2	3.6 meters	USS	380	
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW	Digital Video
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW	Analog Video with associated subcarriers
ANTENNA ID:	3	3 meters	Scientific Atlanta	SA9000	
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW	Digital Video
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW	Analog Video with associated subcarriers

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180822-02739** E E181760 HunTel CableVision

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service, Other

SITE ID: 1

LOCATION: 87980 450th Ave, Rock County, Bassett, NE

42 ° 34 ' 36.14 " N LAT.

99 ° 28 ' 45.04 " W LONG.

ANTENNA ID:	1	3.7 meters	Prodelin	1374-995
	3700.0000 - 4200.0000 MHz		36M0G7W	QPSK, compressed Video
ANTENNA ID:	2	3.8 meters	Comtech	N/A
	3700.0000 - 4200.0000 MHz		36M0G7W	QPSK, compressed Video

ANTENNA ID:	3	4.6 meters	Scientific Atlanta	N/A
	3700.0000 - 4200.0000 MHz		36M0G7W	QPSK, compressed Video
ANTENNA ID:	4	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	QPSK, compressed Video
ANTENNA ID:	5	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	QPSK, compressed Video
ANTENNA ID:	6	3.8 meters	Comtech	N/A
	3700.0000 - 4200.0000 MHz		36M0G7W	QPSK, compressed Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180829-02751** E E181771 Southern Belle, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 801 E DuBois Ave, Clearfield, Dubois, PA

ANTENNA ID:	1	3.8 meters	Patriot	3.8m Commercial
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio Signals

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180831-02730** E E181751 WaveDivision VII, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 41900 Highway 26, Clackamas, Sandy, OR  
45 ° 23 ' 3.00 " N LAT.

122 ° 13 ' 58.00 " W LONG.

ANTENNA ID:	1	5 meters	Simulsat	5b
	3700.0000 - 4200.0000 MHz		36M0F8F	Analog Video w/Associated Subcarriers
	3700.0000 - 4200.0000 MHz		36M0G7F	Video Compressed

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**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180831-02731** E E181752 WaveDivision VII, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 635 Glatt Circle, Marion, Woodburn, OR

45 ° 9 ' 3.00 " N LAT.

122 ° 51 ' 22.00 " W LONG.

ANTENNA ID:	1	5 meters	Simulsat	5b
	3700.0000 - 4200.0000 MHz		36M0F8F	Analog Video w/Associated Subcarriers
	3700.0000 - 4200.0000 MHz		36M0G7F	Video Compressed

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180831-02732** E E181753 WaveDivision I, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 4316 S. 104th Pl., King, Seattle, WA

47 ° 30 ' 35.74 " N LAT.

122 ° 16 ' 1.80 " W LONG.

ANTENNA ID:	1	4.5 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0F8F	Analog Video w/Associated Subcarriers
	3700.0000 - 4200.0000 MHz		36M0G7F	Video Compressed
ANTENNA ID:	2	5 meters	Simulsat	5b
	3700.0000 - 4200.0000 MHz		36M0F8F	Analog Video w/Associated Subcarriers
	3700.0000 - 4200.0000 MHz		36M0G7F	Video Compressed

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180831-02733** E E181754 WaveDivision VII, LLC

Registration

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1045 Commerce Court, Marion, Silverton, OR  
47 ° 30 ' 35.02 " N LAT. 122 ° 16 ' 50.50 " W LONG.

ANTENNA ID:	1	5 meters	Simulsat	5b
	3700.0000 - 4200.0000 MHz		36M0F8F	Analog Video w/Associated Subcarriers
	3700.0000 - 4200.0000 MHz		36M0G7F	Video Compressed

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180918-03820** E E190121 KQDS ACQUISITION CORP.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1421 N. 3rd Ave. W (Tower Site KQDS), St. Louis, Duluth, MN  
46 ° 47 ' 38.04 " N LAT. 92 ° 7 ' 2.66 " W LONG.

ANTENNA ID:	FOX Net	5 meters	AFC	PR 16-3
	3700.0000 - 4200.0000 MHz		36M0G7D	0.00 dBW
				Video
ANTENNA ID:	PKS Dish	3.8 meters	USS	380
	3700.0000 - 4200.0000 MHz		36M0G7D	0.00 dBW
				Video
ANTENNA ID:	Orange Bld	3 meters	SAMI	SI10
	3700.0000 - 4200.0000 MHz		36M0G7D	0.00 dBW
				Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180918-04066** E E190371 Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 3600 Gabriel Avenue, PARSONS, KS  
37 ° 20 ' 51.67 " N LAT. 95 ° 17 ' 29.20 " W LONG.

ANTENNA ID:	1	3.4 meters	GENERAL DYNAMICS	Satcomm1344
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	3700.0000 - 4200.0000 MHz	36M0G7W		
SITE ID:	2			
LOCATION:	1420 East Carpenter Street, IOLA, KS			
	37 ° 55 ' 46.82 " N LAT.			95 ° 23 ' 16.72 " W LONG.
ANTENNA ID:	2	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz	36M0G7W		
SITE ID:	3			
LOCATION:	208 E. Iowa Street, HIAWATHA, KS			
	39 ° 50 ' 56.26 " N LAT.			95 ° 31 ' 22.12 " W LONG.
ANTENNA ID:	3	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz	36M0G7W		
SITE ID:	4			
LOCATION:	3611 Southwest Jewell Avenue, TOPEKA, KS			
	39 ° 0 ' 7.03 " N LAT.			95 ° 42 ' 7.77 " W LONG.
ANTENNA ID:	4	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz	36M0G7W		
SITE ID:	5			
LOCATION:	507 Mulberry Street, INDEPENDENCE, KS			
	37 ° 14 ' 48.23 " N LAT.			95 ° 42 ' 44.19 " W LONG.
ANTENNA ID:	5	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz	36M0G7W		
SITE ID:	6			
LOCATION:	1212 Willow Ln, OTTAWA, KS			
	38 ° 35 ' 29.64 " N LAT.			95 ° 17 ' 5.23 " W LONG.
ANTENNA ID:	6	3.4 meters	General Dynamics	Satcom 1344
	3700.0000 - 4200.0000 MHz	36M0G7W		
SITE ID:	7			
LOCATION:	2401 Southwest Kingsrow Road, TOPEKA, KS			
	39 ° 1 ' 27.86 " N LAT.			95 ° 46 ' 30.99 " W LONG.
ANTENNA ID:	7	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz	36M0G7W		

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SITE ID: 8  
LOCATION: 2313 Graphic Arts Road, EMPORIA, KS  
38 ° 25 ' 35.31 " N LAT. 96 ° 13 ' 35.73 " W LONG.

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

SITE ID: 9  
LOCATION: 2812 Marlatt Avenue, MANHATTAN, KS  
39 ° 13 ' 7.90 " N LAT. 96 ° 36 ' 32.69 " W LONG.

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

SITE ID: 10  
LOCATION: 1040 Pony Express Highway, MARYSVILLE, KS  
39 ° 50 ' 33.67 " N LAT. 96 ° 37 ' 51.49 " W LONG.

ANTENNA ID: 10 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 11  
LOCATION: 6582 322nd Road, ARKANSAS CITY, KS  
37 ° 0 ' 46.42 " N LAT. 97 ° 2 ' 50.16 " W LONG.

ANTENNA ID: 11 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 12  
LOCATION: 518 Jason Street, BURLINGTON, KS  
38 ° 11 ' 55.23 " N LAT. 95 ° 45 ' 51.39 " W LONG.

ANTENNA ID: 12 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 13  
LOCATION: 7011 East 13th Street North, WICHITA, KS  
37 ° 42 ' 28.88 " N LAT. 97 ° 15 ' 19.36 " W LONG.

ANTENNA ID: 13 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 14  
LOCATION: 1201 Grandview Avenue, NEWTON, KS  
38 ° 3 ' 19.87 " N LAT. 97 ° 21 ' 34.85 " W LONG.



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ANTENNA ID: 14                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344  
3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 15  
LOCATION: 1003 West 22nd Street, WELLINGTON, KS  
37 ° 16 ' 51.03 " N LAT.    97 ° 24 ' 34.96 " W LONG.

ANTENNA ID: 15                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344  
3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 16  
LOCATION: 401 North Westlink Avenue, WICHITA, KS  
37 ° 41 ' 22.47 " N LAT.    97 ° 26 ' 46.33 " W LONG.

ANTENNA ID: 16                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344  
3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 17  
LOCATION: 845 South Ohio Street, SALINA, KS  
38 ° 49 ' 22.62 " N LAT.    97 ° 35 ' 37.69 " W LONG.

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

SITE ID: 18  
LOCATION: 1409 South Rock Road, DERBY, KS  
37 ° 31 ' 41.95 " N LAT.    97 ° 14 ' 42.42 " W LONG.

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

SITE ID: 19  
LOCATION: 1108 Stout Street, PRATT, KS  
37 ° 39 ' 20.17 " N LAT.    98 ° 43 ' 46.86 " W LONG.

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

SITE ID: 20  
LOCATION: 5851 Eisenhower Avenue, GREAT BEND, KS  
38 ° 21 ' 50.47 " N LAT.    98 ° 48 ' 51.66 " W LONG.

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

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SITE ID: 21  
LOCATION: 620 7th Street, PHILLIPSBURG, KS  
39 ° 44 ' 36.23 " N LAT. 99 ° 19 ' 4.97 " W LONG.

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

SITE ID: 22  
LOCATION: 2901 Canal Boulevard, HAYS, KS  
38 ° 53 ' 20.11 " N LAT. 99 ° 20 ' 3.04 " W LONG.

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

SITE ID: 23  
LOCATION: 2510 6th Avenue, DODGE CITY, KS  
37 ° 46 ' 43.90 " N LAT. 100 ° 1 ' 25.23 " W LONG.

ANTENNA ID: 23 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 24  
LOCATION: 518 East 43rd Avenue, HUTCHINSON, KS  
38 ° 6 ' 5.05 " N LAT. 97 ° 55 ' 13.13 " W LONG.

ANTENNA ID: 24 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 25  
LOCATION: 906 Crescent Avenue, SCOTT CITY, KS  
38 ° 28 ' 38.71 " N LAT. 100 ° 55 ' 12.41 " W LONG.

ANTENNA ID: 25 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 26  
LOCATION: 2180 Violet Lane, LIBERAL, KS  
37 ° 3 ' 50.36 " N LAT. 100 ° 55 ' 40.77 " W LONG.

ANTENNA ID: 26 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 27  
LOCATION: 1145 South Franklin Avenue, COLBY, KS  
39 ° 22 ' 52.29 " N LAT. 101 ° 2 ' 43.36 " W LONG.

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ANTENNA ID: 27                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 28  
LOCATION: 520 East 1st Street, HUGOTON, KS  
37 ° 11 ' 5.49 " N LAT.    101 ° 20 ' 22.70 " W LONG.

ANTENNA ID: 28                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 29  
LOCATION: 210 West Maize Ave, ULYSSES, KS  
37 ° 35 ' 22.00 " N LAT.    101 ° 21 ' 35.93 " W LONG.

ANTENNA ID: 29                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 30  
LOCATION: 619 East Mary Street, GARDEN CITY, KS  
37 ° 59 ' 25.73 " N LAT.    100 ° 51 ' 51.34 " W LONG.

ANTENNA ID: 30                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 31  
LOCATION: 1125 Westwood Drive, DE WITT, IA  
41 ° 49 ' 36.60 " N LAT.    90 ° 33 ' 50.14 " W LONG.

ANTENNA ID: 31                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 32  
LOCATION: 685 Fremont Avenue, DUBUQUE, IA  
42 ° 28 ' 39.08 " N LAT.    90 ° 41 ' 54.44 " W LONG.

ANTENNA ID: 32                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 33  
LOCATION: 2902 Lucas Street, MUSCATINE, IA  
41 ° 25 ' 26.67 " N LAT.    91 ° 4 ' 43.35 " W LONG.

ANTENNA ID: 33                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

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SITE ID: 34  
LOCATION: 2727 Cliff Road, BURLINGTON, IA  
40 ° 50 ' 15.03 " N LAT. 91 ° 7 ' 40.51 " W LONG.

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

SITE ID: 35  
LOCATION: 3238 Brookshire Drive, KEOKUK, IA  
40 ° 25 ' 22.60 " N LAT. 91 ° 23 ' 54.04 " W LONG.

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

SITE ID: 36  
LOCATION: 1825 16th Street Northwest, CLINTON, IA  
41 ° 52 ' 1.52 " N LAT. 90 ° 13 ' 22.86 " W LONG.

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

SITE ID: 37  
LOCATION: 2730 Bradford Drive, IOWA CITY, IA  
41 ° 38 ' 47.48 " N LAT. 91 ° 29 ' 48.08 " W LONG.

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

SITE ID: 38  
LOCATION: 570 Dublin Drive, IOWA CITY, IA  
41 ° 39 ' 13.92 " N LAT. 91 ° 35 ' 6.06 " W LONG.

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

SITE ID: 39  
LOCATION: 4300 Trailridge Road SE, CEDAR RAPIDS, IA  
41 ° 59 ' 10.95 " N LAT. 91 ° 36 ' 17.51 " W LONG.

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

SITE ID: 40  
LOCATION: 1202 S Iowa Avenue, WASHINGTON, IA  
41 ° 17 ' 11.74 " N LAT. 91 ° 41 ' 28.64 " W LONG.

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ANTENNA ID: 40                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 41  
LOCATION: 4150 Blue Jay Drive Northeast, CEDAR RAPIDS, IA  
42 ° 1 ' 15.41 " N LAT.    91 ° 41 ' 31.52 " W LONG.

ANTENNA ID: 41                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 42  
LOCATION: 292 Bailey Drive, MANCHESTER, IA  
42 ° 28 ' 31.50 " N LAT.    91 ° 26 ' 40.14 " W LONG.

ANTENNA ID: 42                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 43  
LOCATION: 2143 South 32nd Street, FAIRFIELD, IA  
40 ° 59 ' 45.80 " N LAT.    92 ° 0 ' 4.11 " W LONG.

ANTENNA ID: 43                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 44  
LOCATION: 1514 1st Avenue, BELLE PLAINE, IA  
41 ° 54 ' 1.18 " N LAT.    92 ° 17 ' 18.58 " W LONG.

ANTENNA ID: 44                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 45  
LOCATION: 3006 Pleasant Drive, CEDAR FALLS, IA  
42 ° 30 ' 47.94 " N LAT.    92 ° 24 ' 32.13 " W LONG.

ANTENNA ID: 45                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 46  
LOCATION: 301 West Rochester Road, OTTUMWA, IA  
41 ° 3 ' 37.44 " N LAT.    92 ° 24 ' 51.36 " W LONG.

ANTENNA ID: 46                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

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SITE ID: 47  
LOCATION: 1714 Pella Avenue, OSKALOOSA, IA  
41 ° 18 ' 8.17 " N LAT. 92 ° 39 ' 52.88 " W LONG.

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

SITE ID: 48  
LOCATION: 509 West Water Street, FAYETTE, IA  
42 ° 50 ' 41.10 " N LAT. 91 ° 48 ' 29.03 " W LONG.

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

SITE ID: 49  
LOCATION: 1405 North 11th Avenue East, NEWTON, IA  
41 ° 42 ' 34.10 " N LAT. 93 ° 2 ' 5.63 " W LONG.

ANTENNA ID: 49 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 50  
LOCATION: 703 South 12th Street, MARSHALLTOWN, IA  
42 ° 2 ' 24.91 " N LAT. 92 ° 55 ' 56.81 " W LONG.

ANTENNA ID: 50 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

- 1 - PERMITTED LIST - ()
- 10 - PERMITTED LIST - ()
- 11 - PERMITTED LIST - ()
- 12 - PERMITTED LIST - ()
- 13 - PERMITTED LIST - ()
- 14 - PERMITTED LIST - ()
- 15 - PERMITTED LIST - ()
- 16 - PERMITTED LIST - ()
- 17 - PERMITTED LIST - ()
- 18 - PERMITTED LIST - ()
- 19 - PERMITTED LIST - ()

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2 - PERMITTED LIST - ()  
20 - PERMITTED LIST - ()  
21 - PERMITTED LIST - ()  
22 - PERMITTED LIST - ()  
23 - PERMITTED LIST - ()  
24 - PERMITTED LIST - ()  
25 - PERMITTED LIST - ()  
26 - PERMITTED LIST - ()  
27 - PERMITTED LIST - ()  
28 - PERMITTED LIST - ()  
29 - PERMITTED LIST - ()  
3 - PERMITTED LIST - ()  
30 - PERMITTED LIST - ()  
31 - PERMITTED LIST - ()  
32 - PERMITTED LIST - ()  
33 - PERMITTED LIST - ()  
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35 - PERMITTED LIST - ()  
36 - PERMITTED LIST - ()  
37 - PERMITTED LIST - ()  
38 - PERMITTED LIST - ()  
39 - PERMITTED LIST - ()  
4 - PERMITTED LIST - ()  
40 - PERMITTED LIST - ()  
41 - PERMITTED LIST - ()  
42 - PERMITTED LIST - ()  
43 - PERMITTED LIST - ()  
44 - PERMITTED LIST - ()  
45 - PERMITTED LIST - ()  
46 - PERMITTED LIST - ()

- 47 - PERMITTED LIST - ()
- 48 - PERMITTED LIST - ()
- 49 - PERMITTED LIST - ()
- 5 - PERMITTED LIST - ()
- 50 - PERMITTED LIST - ()
- 6 - PERMITTED LIST - ()
- 7 - PERMITTED LIST - ()
- 8 - PERMITTED LIST - ()
- 9 - PERMITTED LIST - ()

**SES-REG-20180920-04070** E E190375 Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day  
Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 110 East 14th Street, WASHINGTON, MO  
38 ° 32 ' 41.53 " N LAT. 91 ° 0 ' 49.79 " W LONG.

ANTENNA ID: 1 3.4 meters General Dynamics Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 2

LOCATION: 3619 North Hwy 47, WARRENTON, MO  
38 ° 51 ' 5.54 " N LAT. 91 ° 8 ' 11.69 " W LONG.

ANTENNA ID: 2 3.4 meters GENERAL DYNAMICS Satcomm1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 3

LOCATION: 9 Centerville Road, HANNIBAL, MO  
39 ° 42 ' 33.09 " N LAT. 91 ° 24 ' 44.56 " W LONG.

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

SITE ID: 4

LOCATION: 1701 West Franklin Street, SALEM, MO  
37 ° 38 ' 22.10 " N LAT. 91 ° 33 ' 36.17 " W LONG.

ANTENNA ID: 4 3.4 meters GENERAL DYNAMICS Satcom 1344



3700.0000 - 4200.0000 MHz 36M0G7W  
SITE ID: 5  
LOCATION: 693 Forum Drive, ROLLA, MO  
37 ° 56 ' 53.56 " N LAT. 91 ° 45 ' 9.87 " W LONG.  
ANTENNA ID: 5 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W  
SITE ID: 6  
LOCATION: 2800 Christie Dr, WEST PLAINS, MO  
36 ° 45 ' 44.43 " N LAT. 91 ° 52 ' 41.40 " W LONG.  
ANTENNA ID: 6 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W  
SITE ID: 7  
LOCATION: 635 Ringo Street, MEXICO, MO  
39 ° 10 ' 36.84 " N LAT. 91 ° 54 ' 3.17 " W LONG.  
ANTENNA ID: 7 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W  
SITE ID: 8  
LOCATION: 8507 Hwy E, HOUSTON, MO  
37 ° 21 ' 29.29 " N LAT. 91 ° 55 ' 16.77 " W LONG.  
ANTENNA ID: 8 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W  
SITE ID: 9  
LOCATION: 1603 Kingswood Drive, FULTON, MO  
38 ° 49 ' 34.82 " N LAT. 91 ° 58 ' 10.88 " W LONG.  
ANTENNA ID: 9 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W  
SITE ID: 10  
LOCATION: 300 East 3rd Street, MOUNTAIN VIEW, MO  
36 ° 59 ' 52.59 " N LAT. 91 ° 41 ' 58.55 " W LONG.  
ANTENNA ID: 10 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

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SITE ID: 11  
LOCATION: 4618 Henwick Lane, JEFFERSON CITY, MO  
38 ° 35 ' 34.19 " N LAT. 92 ° 16 ' 28.20 " W LONG.

ANTENNA ID: 11 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 12  
LOCATION: 904 Old Highway 63 South, COLUMBIA, MO  
38 ° 56 ' 24.09 " N LAT. 92 ° 18 ' 22.69 " W LONG.

ANTENNA ID: 12 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 13  
LOCATION: Hwy 24 E Jones Lane, MOBERLY, MO  
39 ° 27 ' 7.21 " N LAT. 92 ° 23 ' 28.03 " W LONG.

ANTENNA ID: 13 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 14  
LOCATION: 26575 Jewell Avenue, MO  
39 ° 48 ' 7.68 " N LAT. 92 ° 28 ' 32.58 " W LONG.

ANTENNA ID: 14 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 15  
LOCATION: 240 Hwy YY, LEBANON, MO  
37 ° 41 ' 52.88 " N LAT. 92 ° 39 ' 49.96 " W LONG.

ANTENNA ID: 15 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 16  
LOCATION: 123 Bosa Drive, ST ROBERT, MO  
37 ° 48 ' 30.05 " N LAT. 92 ° 8 ' 24.99 " W LONG.

ANTENNA ID: 16 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 17  
LOCATION: 1168 Kk Hwy, OSAGE BEACH, MO  
38 ° 7 ' 6.66 " N LAT. 92 ° 41 ' 25.88 " W LONG.

ANTENNA ID:	17	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	18			
LOCATION:	31469 S. Highway 5, TIPTON, MO			
	38 ° 36 ' 55.13 " N LAT.			92 ° 47 ' 20.74 " W LONG.
ANTENNA ID:	18	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	19			
LOCATION:	1105 State Highway Cc, MARSHFIELD, MO			
	37 ° 21 ' 23.35 " N LAT.			92 ° 53 ' 25.33 " W LONG.
ANTENNA ID:	19	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	20			
LOCATION:	1000 South Apache Drive, MARSHALL, MO			
	39 ° 6 ' 33.62 " N LAT.			93 ° 12 ' 55.67 " W LONG.
ANTENNA ID:	20	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	21			
LOCATION:	224 Church Road, BRANSON, MO			
	36 ° 41 ' 11.73 " N LAT.			93 ° 13 ' 10.06 " W LONG.
ANTENNA ID:	21	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	22			
LOCATION:	910 Shull Street, AVA, MO			
	36 ° 56 ' 40.33 " N LAT.			92 ° 40 ' 8.75 " W LONG.
ANTENNA ID:	22	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	23			
LOCATION:	1201 West Broadway Boulevard, SEDALIA, MO			
	38 ° 42 ' 15.71 " N LAT.			93 ° 14 ' 29.77 " W LONG.
ANTENNA ID:	23	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	

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SITE ID: 24  
LOCATION: 904 South Kimbrough Avenue, SPRINGFIELD, MO  
37 ° 11 ' 53.89 " N LAT. 93 ° 17 ' 12.35 " W LONG.

ANTENNA ID: 24 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 25  
LOCATION: 4450 South Farm Road 141, SPRINGFIELD, MO  
37 ° 8 ' 2.61 " N LAT. 93 ° 19 ' 24.76 " W LONG.

ANTENNA ID: 25 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 26  
LOCATION: 1575 Mt Gilead Rd, BOLIVAR, MO  
37 ° 35 ' 25.17 " N LAT. 93 ° 23 ' 45.84 " W LONG.

ANTENNA ID: 26 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 27  
LOCATION: 1357 South Ingram Mill Road, SPRINGFIELD, MO  
37 ° 11 ' 17.57 " N LAT. 93 ° 13 ' 36.16 " W LONG.

ANTENNA ID: 27 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 28  
LOCATION: 102 North Bismark Street, CONCORDIA, MO  
38 ° 59 ' 23.59 " N LAT. 93 ° 34 ' 14.21 " W LONG.

ANTENNA ID: 28 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 29  
LOCATION: 10642 W Old 190 Hwy, CHILLICOTHE, MO  
39 ° 48 ' 51.36 " N LAT. 93 ° 35 ' 0.54 " W LONG.

ANTENNA ID: 29 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 30  
LOCATION: 2930 Oklahoma Avenue, TRENTON, MO  
40 ° 5 ' 35.73 " N LAT. 93 ° 36 ' 11.70 " W LONG.

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

SITE ID: 31  
LOCATION: 1515 SE State Hwy Dd, WARRENSBURG, MO  
38 ° 44 ' 38.30 " N LAT.    93 ° 42 ' 34.56 " W LONG.

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

SITE ID: 32  
LOCATION: 320 West Jackson Street, WILLARD, MO  
37 ° 18 ' 42.60 " N LAT.    93 ° 26 ' 20.47 " W LONG.

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

SITE ID: 33  
LOCATION: 16922 Highway 39, AURORA, MO  
37 ° 1 ' 31.18 " N LAT.    93 ° 46 ' 40.35 " W LONG.

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

SITE ID: 34  
LOCATION: 297 NW 40, CLINTON, MO  
38 ° 22 ' 20.53 " N LAT.    93 ° 48 ' 40.83 " W LONG.

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

SITE ID: 35  
LOCATION: 3426 County Farm Road, CASSVILLE, MO  
36 ° 41 ' 51.72 " N LAT.    93 ° 52 ' 40.38 " W LONG.

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

SITE ID: 36  
LOCATION: 300 East Crestview Drive, ODESSA, MO  
38 ° 59 ' 13.73 " N LAT.    93 ° 57 ' 1.50 " W LONG.

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

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SITE ID: 37  
LOCATION: 211 Ash Street, GALLATIN, MO  
39 ° 55 ' 0.34 " N LAT. 93 ° 58 ' 58.36 " W LONG.

ANTENNA ID: 37 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 38  
LOCATION: 13109 Highway O, EXCELSIOR SPRINGS, MO  
39 ° 19 ' 43.23 " N LAT. 94 ° 9 ' 50.09 " W LONG.

ANTENNA ID: 38 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 39  
LOCATION: 1433 South St, STOCKTON, MO  
37 ° 40 ' 58.96 " N LAT. 93 ° 48 ' 12.58 " W LONG.

ANTENNA ID: 39 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 40  
LOCATION: 23030 East Highway 86, GRANBY, MO  
36 ° 52 ' 40.08 " N LAT. 94 ° 13 ' 40.43 " W LONG.

ANTENNA ID: 40 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 41  
LOCATION: 301 North Grand Street, LAMAR, MO  
37 ° 30 ' 13.18 " N LAT. 94 ° 16 ' 23.93 " W LONG.

ANTENNA ID: 41 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 42  
LOCATION: 1416 South 19th Street, BLUE SPRINGS, MO  
39 ° 0 ' 4.19 " N LAT. 94 ° 17 ' 11.89 " W LONG.

ANTENNA ID: 42 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 43  
LOCATION: 1102 North 18th Street, ALBANY, MO  
40 ° 15 ' 18.32 " N LAT. 94 ° 18 ' 58.38 " W LONG.



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SITE ID: 50  
LOCATION: 1101 North Olive Street, NEVADA, MO  
37 ° 50 ' 58.60 " N LAT.

94 ° 22 ' 16.00 " W LONG.

ANTENNA ID: 50                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344  
  
3700.0000 - 4200.0000 MHz                      36M0G7W

**Points of Communication:**

- 1 - PERMITTED LIST - ()
- 10 - PERMITTED LIST - ()
- 11 - PERMITTED LIST - ()
- 12 - PERMITTED LIST - ()
- 13 - PERMITTED LIST - ()
- 14 - PERMITTED LIST - ()
- 15 - PERMITTED LIST - ()
- 16 - PERMITTED LIST - ()
- 17 - PERMITTED LIST - ()
- 18 - PERMITTED LIST - ()
- 19 - PERMITTED LIST - ()
- 2 - PERMITTED LIST - ()
- 20 - PERMITTED LIST - ()
- 21 - PERMITTED LIST - ()
- 22 - PERMITTED LIST - ()
- 23 - PERMITTED LIST - ()
- 24 - PERMITTED LIST - ()
- 25 - PERMITTED LIST - ()
- 26 - PERMITTED LIST - ()
- 27 - PERMITTED LIST - ()
- 28 - PERMITTED LIST - ()
- 29 - PERMITTED LIST - ()
- 3 - PERMITTED LIST - ()
- 30 - PERMITTED LIST - ()



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31 - PERMITTED LIST - ()

32 - PERMITTED LIST - ()

33 - PERMITTED LIST - ()

34 - PERMITTED LIST - ()

35 - PERMITTED LIST - ()

36 - PERMITTED LIST - ()

37 - PERMITTED LIST - ()

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39 - PERMITTED LIST - ()

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40 - PERMITTED LIST - ()

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42 - PERMITTED LIST - ()

43 - PERMITTED LIST - ()

44 - PERMITTED LIST - ()

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48 - PERMITTED LIST - ()

49 - PERMITTED LIST - ()

5 - PERMITTED LIST - ()

50 - PERMITTED LIST - ()

6 - PERMITTED LIST - ()

7 - PERMITTED LIST - ()

8 - PERMITTED LIST - ()

9 - PERMITTED LIST - ()

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**SES-REG-20180920-04488**    E E190830    SUNFLOWER COMMUNICATIONS, INC., DBA KINO RADIO

Registration

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**     Fixed Satellite Service

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SITE ID: 1  
LOCATION: EAST END OF EASY ST, NAVAJO, WINSLOW, AZ  
35 ° 2 ' 6.20 " N LAT. 110 ° 42 ' 58.60 " W LONG.

ANTENNA ID: ANT01 3.7 meters DH SATELLITE 37DH1  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL AUDIO & DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180926-04055** E E190360 Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day  
Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 111 Academy Street, GREENWICH, NY  
43 ° 5 ' 34.67 " N LAT. 73 ° 30 ' 55.13 " W LONG.

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

SITE ID: 2  
LOCATION: 20 Rockwell Road, QUEENSBURY, NY  
43 ° 21 ' 34.28 " N LAT. 73 ° 37 ' 50.63 " W LONG.

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

SITE ID: 3  
LOCATION: 111 Willis Avenue, MINEOLA, NY  
40 ° 44 ' 33.46 " N LAT. 73 ° 38 ' 15.80 " W LONG.

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

SITE ID: 4  
LOCATION: 10 Peninsula Boulevard, LYNBROOK, NY  
40 ° 39 ' 32.76 " N LAT. 73 ° 40 ' 10.36 " W LONG.

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

SITE ID: 5  
LOCATION: 25410 Bates Road, LITTLE NECK, NY  
40 ° 46 ' 6.17 " N LAT. 73 ° 43 ' 45.49 " W LONG.

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ANTENNA ID: 5                                  3.4 meters                                  GENERAL DYNAMICS                                  Satcom 1344  
3700.0000 - 4200.0000 MHz                                  36M0G7W

SITE ID: 6  
LOCATION: 26 Dennis Avenue, PLATTSBURGH, NY  
44 ° 41 ' 29.84 " N LAT.    73 ° 28 ' 32.72 " W LONG.

ANTENNA ID: 6                                  3.4 meters                                  General Dynamics                                  Satcom 1344  
3700.0000 - 4200.0000 MHz                                  36M0G7W

SITE ID: 7  
LOCATION: 111 North Avenue, NEW ROCHELLE, NY  
40 ° 54 ' 25.84 " N LAT.    73 ° 46 ' 41.23 " W LONG.

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

SITE ID: 8  
LOCATION: 60 Wayside Lane, SCARSDALE, NY  
40 ° 59 ' 31.82 " N LAT.    73 ° 47 ' 43.71 " W LONG.

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

SITE ID: 9  
LOCATION: 801 Kitchawan Road, OSSINING, NY  
41 ° 13 ' 3.52 " N LAT.    73 ° 47 ' 44.49 " W LONG.

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

SITE ID: 10  
LOCATION: 10 Glenmore Avenue, SARATOGA SPRINGS, NY  
43 ° 4 ' 25.68 " N LAT.    73 ° 48 ' 24.12 " W LONG.

ANTENNA ID: 10                                  3.4 meters                                  GENERAL DYNAMICS                                  Satcom 1344  
3700.0000 - 4200.0000 MHz                                  36M0G7W

SITE ID: 11  
LOCATION: 14427 Sanford Avenue, FLUSHING, NY  
40 ° 45 ' 33.84 " N LAT.    73 ° 49 ' 11.62 " W LONG.

ANTENNA ID: 11                                  3.4 meters                                  GENERAL DYNAMICS                                  Satcom 1344  
3700.0000 - 4200.0000 MHz                                  36M0G7W

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SITE ID: 12  
LOCATION: 411 Loudon Road, LOUDONVILLE, NY  
42 ° 42 ' 8.48 " N LAT. 73 ° 45 ' 8.52 " W LONG.

ANTENNA ID: 12 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 13  
LOCATION: 211 East Kingsbridge Road, BRONX, NY  
40 ° 51 ' 55.70 " N LAT. 73 ° 53 ' 35.96 " W LONG.

ANTENNA ID: 13 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 14  
LOCATION: 110-114 Pennsylvania Avenue, BROOKLYN, NY  
40 ° 40 ' 30.20 " N LAT. 73 ° 53 ' 49.02 " W LONG.

ANTENNA ID: 14 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 15  
LOCATION: 204 Spackenkill Road, POUGHKEEPSIE, NY  
41 ° 39 ' 24.62 " N LAT. 73 ° 53 ' 51.00 " W LONG.

ANTENNA ID: 15 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 16  
LOCATION: 40-24 62nd Street, WOODSIDE, NY  
40 ° 44 ' 37.75 " N LAT. 73 ° 54 ' 9.89 " W LONG.

ANTENNA ID: 16 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 17  
LOCATION: 8621 114th Street, RICHMOND HILL, NY  
40 ° 41 ' 56.28 " N LAT. 73 ° 50 ' 6.14 " W LONG.

ANTENNA ID: 17 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 18  
LOCATION: 360 Lenox Avenue Malcolm X Boulevard, NEW YORK CITY, NY  
40 ° 48 ' 34.89 " N LAT. 73 ° 56 ' 37.31 " W LONG.



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SITE ID: 25  
LOCATION: 343 Court Street, BROOKLYN, NY  
40 ° 40 ' 56.98 " N LAT. 73 ° 59 ' 44.23 " W LONG.

ANTENNA ID: 25 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 26  
LOCATION: 144 West 15th Street, NEW YORK CITY, NY  
40 ° 44 ' 19.70 " N LAT. 73 ° 59 ' 54.24 " W LONG.

ANTENNA ID: 26 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 27  
LOCATION: Greenville Center Road, GREENVILLE, NY  
42 ° 23 ' 29.91 " N LAT. 73 ° 59 ' 54.88 " W LONG.

ANTENNA ID: 27 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 28  
LOCATION: 26 John Brown Road, LAKE PLACID, NY  
44 ° 15 ' 36.74 " N LAT. 73 ° 58 ' 8.89 " W LONG.

ANTENNA ID: 28 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 29  
LOCATION: 828 60th Street, BROOKLYN, NY  
40 ° 38 ' 4.81 " N LAT. 74 ° 0 ' 31.23 " W LONG.

ANTENNA ID: 29 3.4 meters GENERAL DYNAMICS Satcom 1344  
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 30  
LOCATION: 442 New Hempstead Rd, NEW CITY, NY  
41 ° 8 ' 59.18 " N LAT. 74 ° 1 ' 40.39 " W LONG.

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

SITE ID: 31  
LOCATION: 184 Rte 32 S, NEW PALTZ, NY  
41 ° 43 ' 31.76 " N LAT. 74 ° 4 ' 56.73 " W LONG.

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ANTENNA ID:	31	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	32			
LOCATION:	151 North Saint Austins Place, STATEN ISLAND, NY			
	40 ° 38 ' 14.94 " N LAT.			74 ° 6 ' 28.45 " W LONG.
ANTENNA ID:	32	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	33			
LOCATION:	913 Rockland Avenue, STATEN ISLAND, NY			
	40 ° 35 ' 23.09 " N LAT.			74 ° 8 ' 55.64 " W LONG.
ANTENNA ID:	33	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	34			
LOCATION:	153 Fording Place Road, LAKE KATRINE, NY			
	41 ° 58 ' 52.31 " N LAT.			74 ° 0 ' 13.52 " W LONG.
ANTENNA ID:	34	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	35			
LOCATION:	417 Steele Ave Extension, GLOVERSVILLE, NY			
	43 ° 2 ' 25.23 " N LAT.			74 ° 19 ' 19.32 " W LONG.
ANTENNA ID:	35	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	36			
LOCATION:	141 Church Street, CENTRAL BRIDGE, NY			
	42 ° 42 ' 22.16 " N LAT.			74 ° 20 ' 21.41 " W LONG.
ANTENNA ID:	36	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	
SITE ID:	37			
LOCATION:	790 Silver Lake Scotchtown Road, MIDDLETOWN, NY			
	41 ° 28 ' 40.22 " N LAT.			74 ° 22 ' 12.25 " W LONG.
ANTENNA ID:	37	3.4 meters	GENERAL DYNAMICS	Satcom 1344
	3700.0000 - 4200.0000 MHz		36M0G7W	

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SITE ID: 38  
LOCATION: 104 Richardson Avenue, MONTICELLO, NY  
41 ° 38 ' 45.81 " N LAT. 74 ° 40 ' 55.17 " W LONG.

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

SITE ID: 39  
LOCATION: 284 Andrews Street, MASSENA, NY  
44 ° 55 ' 21.80 " N LAT. 74 ° 55 ' 1.72 " W LONG.

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

SITE ID: 40  
LOCATION: 8 County Route 24, MALONE, NY  
44 ° 51 ' 30.65 " N LAT. 74 ° 15 ' 28.12 " W LONG.

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

SITE ID: 41  
LOCATION: 21 Castle Dr, POTSDAM, NY  
44 ° 40 ' 48.60 " N LAT. 74 ° 58 ' 33.24 " W LONG.

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

SITE ID: 42  
LOCATION: 107 Balmoral Dr, WEST ONEONTA, NY  
42 ° 28 ' 33.06 " N LAT. 75 ° 7 ' 14.35 " W LONG.

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

SITE ID: 43  
LOCATION: 8439 Clark Mills Road, WHITESBORO, NY  
43 ° 6 ' 20.62 " N LAT. 75 ° 19 ' 50.63 " W LONG.

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

SITE ID: 44  
LOCATION: 8650 Turin Road, ROME, NY  
43 ° 16 ' 51.43 " N LAT. 75 ° 28 ' 8.95 " W LONG.



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ANTENNA ID: 44                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 45  
LOCATION: 7796 East State Street, LOWVILLE, NY  
43 ° 47 ' 42.86 " N LAT.    75 ° 28 ' 53.39 " W LONG.

ANTENNA ID: 45                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 46  
LOCATION: 317 Gros Boulevard, EAST HERKIMER, NY  
43 ° 2 ' 10.13 " N LAT.    74 ° 57 ' 41.10 " W LONG.

ANTENNA ID: 46                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 47  
LOCATION: 6622 State Hwy 37, OGDENSBURG, NY  
44 ° 39 ' 40.51 " N LAT.    75 ° 32 ' 33.34 " W LONG.

ANTENNA ID: 47                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 48  
LOCATION: 1566 Middle Road, ONEIDA, NY  
43 ° 3 ' 50.33 " N LAT.    75 ° 37 ' 13.28 " W LONG.

ANTENNA ID: 48                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 49  
LOCATION: 1 Lions Park Lane, GREENE, NY  
42 ° 19 ' 32.49 " N LAT.    75 ° 45 ' 51.63 " W LONG.

ANTENNA ID: 49                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

SITE ID: 50  
LOCATION: 4 Cole Drive, NORWICH, NY  
42 ° 32 ' 50.31 " N LAT.    75 ° 31 ' 50.86 " W LONG.

ANTENNA ID: 50                      3.4 meters                      GENERAL DYNAMICS                      Satcom 1344

3700.0000 - 4200.0000 MHz                      36M0G7W

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**Points of Communication:**

- 1 - PERMITTED LIST - ()
- 10 - PERMITTED LIST - ()
- 11 - PERMITTED LIST - ()
- 12 - PERMITTED LIST - ()
- 13 - PERMITTED LIST - ()
- 14 - PERMITTED LIST - ()
- 15 - PERMITTED LIST - ()
- 16 - PERMITTED LIST - ()
- 17 - PERMITTED LIST - ()
- 18 - PERMITTED LIST - ()
- 19 - PERMITTED LIST - ()
- 2 - PERMITTED LIST - ()
- 20 - PERMITTED LIST - ()
- 21 - PERMITTED LIST - ()
- 22 - PERMITTED LIST - ()
- 23 - PERMITTED LIST - ()
- 24 - PERMITTED LIST - ()
- 25 - PERMITTED LIST - ()
- 26 - PERMITTED LIST - ()
- 27 - PERMITTED LIST - ()
- 28 - PERMITTED LIST - ()
- 29 - PERMITTED LIST - ()
- 3 - PERMITTED LIST - ()
- 30 - PERMITTED LIST - ()
- 31 - PERMITTED LIST - ()
- 32 - PERMITTED LIST - ()
- 33 - PERMITTED LIST - ()
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- 35 - PERMITTED LIST - ()
- 36 - PERMITTED LIST - ()
- 37 - PERMITTED LIST - ()
- 38 - PERMITTED LIST - ()
- 39 - PERMITTED LIST - ()
- 4 - PERMITTED LIST - ()
- 40 - PERMITTED LIST - ()
- 41 - PERMITTED LIST - ()
- 42 - PERMITTED LIST - ()
- 43 - PERMITTED LIST - ()
- 44 - PERMITTED LIST - ()
- 45 - PERMITTED LIST - ()
- 46 - PERMITTED LIST - ()
- 47 - PERMITTED LIST - ()
- 48 - PERMITTED LIST - ()
- 49 - PERMITTED LIST - ()
- 5 - PERMITTED LIST - ()
- 50 - PERMITTED LIST - ()
- 6 - PERMITTED LIST - ()
- 7 - PERMITTED LIST - ()
- 8 - PERMITTED LIST - ()
- 9 - PERMITTED LIST - ()

**SES-REG-20181005-04850**    E E191221    UniMas Albuquerque LLC

Registration

**Class of Station:**      Fixed Earth Stations

**Nature of Service:**    Fixed Satellite Service

SITE ID:                  1

LOCATION:                N. W. of Rio Rancho, Sandoval, Zia Pueblo, NM  
                               35 ° 24 ' 44.00 " N LAT.

106 ° 43 ' 34.40 " W LONG.

ANTENNA ID:    1                                  3.8 meters                  Comtech                                  3.8 EI/Az

3700.0000 - 4200.0000 MHz                  36M0G7W                                  Digital Video, Audio, and Data

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**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181005-04875** E E191247 Nexstar Broadcasting, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** WLAX Studio1

**LOCATION:** 1305 Interchange Pl, La Crosse, La Crosse, WI

43 ° 51 ' 42.72 " N LAT.

91 ° 14 ' 17.92 " W LONG.

**ANTENNA ID:** Sat 1 5 meters Comtech 5M

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

**SITE ID:** WLAX Studio3

**LOCATION:** 1305 Interchange Pl, La Crosse, La Crosse, WI

43 ° 51 ' 42.72 " N LAT.

91 ° 14 ' 17.92 " W LONG.

**ANTENNA ID:** MeTV 4.6 meters DH 4.6M

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

**SITE ID:** WLAX Studio4

**LOCATION:** 1305 Interchange Pl, La Crosse, La Crosse, WI

43 ° 51 ' 42.72 " N LAT.

91 ° 14 ' 17.92 " W LONG.

**ANTENNA ID:** FOX 1 4.5 meters Andrew 4.5M

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

**SITE ID:** WLAX Studio5

**LOCATION:** 1305 Interchange Pl, La Crosse, La Crosse, WI

43 ° 51 ' 42.82 " N LAT.

91 ° 14 ' 17.92 " W LONG.

**ANTENNA ID:** FOX 2 5 meters AFC 5M

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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SITE ID: WLAX Studio6  
LOCATION: 1305 Interchange Pl, La Crosse, La Crosse, WI  
43 ° 51 ' 42.72 " N LAT. 91 ° 14 ' 17.92 " W LONG.

ANTENNA ID: Pitchblue	3.8 meters	Patriot	3.8M
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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SITE ID: WLAX Studio2  
LOCATION: 1305 Interchange Pl, La Crosse, La Crosse, WI  
43 ° 51 ' 42.72 " N LAT. 91 ° 14 ' 17.92 " W LONG.

ANTENNA ID: Sat 3	5 meters	DH	Gibraltar
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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SITE ID: WLNS Studio1  
LOCATION: 2820 E Saginaw, Ingham, Lansing, MI  
42 ° 44 ' 22.60 " N LAT. 84 ° 30 ' 44.50 " W LONG.

ANTENNA ID: Dish 9	4.5 meters	Dawnco	4.5
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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SITE ID: WMBD Studio1  
LOCATION: 3131 N University St, Peoria, Peoria, IL  
40 ° 43 ' 37.02 " N LAT. 89 ° 36 ' 50.98 " W LONG.

ANTENNA ID: Dish 3 CBS	5 meters	SA	unknown
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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SITE ID: WMBD Studio2  
 LOCATION: 3131 N University St, Peoria, Peoria, IL  
 40 ° 43 ' 37.02 " N LAT. 89 ° 36 ' 50.98 " W LONG.

ANTENNA ID: Dish 5 3.7 meters Prodelin 1374  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

SITE ID: WMBD Studio3  
 LOCATION: 3131 N University St, Peoria, Peoria, IL  
 40 ° 43 ' 37.02 " N LAT. 89 ° 36 ' 50.98 " W LONG.

ANTENNA ID: Dish 7 3.66 meters AFC PR12  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

SITE ID: WLAX Studio7  
 LOCATION: 1305 Interchange Pl, La Crosse, La Crosse, WI  
 43 ° 51 ' 42.72 " N LAT. 91 ° 14 ' 17.92 " W LONG.

ANTENNA ID: Sat 2 5 meters DH 5M  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

SITE ID: WMBD Studio5  
 LOCATION: 3131 N University St, Peoria, Peoria, IL  
 40 ° 43 ' 37.02 " N LAT. 89 ° 36 ' 50.98 " W LONG.

ANTENNA ID: Dish 1 5 meters DH unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

SITE ID: WMBD Studio6  
 LOCATION: 3131 N University St, Peoria, Peoria, IL  
 40 ° 42 ' 37.02 " N LAT. 89 ° 36 ' 50.98 " W LONG.

ANTENNA ID: Dish 2 CBS 5 meters AFC PR166.4 Rev 2

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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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SITE ID: WMBD Studio7  
LOCATION: 3131 N University St, Peoria, Peoria, IL  
4 ° 43 ' 37.02 " N LAT. 89 ° 36 ' 50.98 " W LONG.

ANTENNA ID: Dish 4 3.8 meters Comtech C38P

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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SITE ID: WMBD Studio8  
LOCATION: 3131 N University St, Peoria, Peoria, IL  
40 ° 43 ' 37.02 " N LAT. 89 ° 36 ' 50.98 " W LONG.

ANTENNA ID: Dish 10 4 meters USS unknown

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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SITE ID: WMBD Studio4  
LOCATION: 3131 N University St, Peoria, Peoria, IL  
40 ° 43 ' 37.02 " N LAT. 89 ° 36 ' 50.98 " W LONG.

ANTENNA ID: Dish 9 4.5 meters DH unknown

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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SITE ID: WOI Studio2  
LOCATION: 3903 Westown Pkwy, Polk, W Des Moines, IA  
41 ° 35 ' 50.60 " N LAT. 93 ° 45 ' 29.36 " W LONG.

ANTENNA ID: ABC Pri 7.3 meters Andrew ES73-1

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
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SITE ID: WOI Studio3  
LOCATION: 3903 Westown Pkwy, Polk, W Des Moines, IA  
41 ° 35 ' 50.52 " N LAT. 93 ° 45 ' 29.19 " W LONG.

ANTENNA ID:	Pathfire	3.1 meters	Patriot	PRT-310
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				PSK, Digital video with assoc. digital audio/data
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				PSK, Digital video with assoc. digital audio/data
SITE ID:	WOI Studio4			
LOCATION:	3903 Westown Pkwy, Polk, W Des Moines, IA		93 ° 45 ' 29.05 " W LONG.	
	41 ° 35 ' 50.53 " N LAT.			
ANTENNA ID:	ABC News1	3.1 meters	Patriot	PRT-310
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				PSK, Digital video with assoc. digital audio/data
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				PSK, Digital video with assoc. digital audio/data
SITE ID:	WOI Studio5			
LOCATION:	3903 Westown Pkwy, Polk, W Des Moines, IA		93 ° 45 ' 28.00 " W LONG.	
	41 ° 35 ' 50.70 " N LAT.			
ANTENNA ID:	Sat5,WMDX	4.5 meters	Patriot	PRT-450
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				PSK, Digital video with assoc. digital audio/data
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				PSK, Digital video with assoc. digital audio/data
SITE ID:	WOI Studio1			
LOCATION:	3903 Westown Pkwy, Polk, W Des Moines, IA		93 ° 45 ' 29.50 " W LONG.	
	41 ° 35 ' 50.48 " N LAT.			
ANTENNA ID:	CNN	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				PSK, Digital video with assoc. digital audio/data
SITE ID:	WOI Studio7			
LOCATION:	3903 Westown Pkwy, Polk, W Des Moines, IA		93 ° 45 ' 28.67 " W LONG.	
	41 ° 35 ' 50.67 " N LAT.			
ANTENNA ID:	Syndic	3.8 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				PSK, Digital video with assoc. digital audio/data
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				PSK, Digital video with assoc. digital audio/data



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SITE ID: WOI Studio8  
 LOCATION: 3903 Westown Pkwy, Polk, W Des Moines, IA  
 41 ° 35 ' 50.67 " N LAT. 93 ° 45 ' 28.67 " W LONG.

ANTENNA ID: CW 4.5 meters EASi 4.5  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

SITE ID: WCBD Studio1  
 LOCATION: 210 W Coleman Blvd, Charleston, Mt Pleasant, SC  
 32 ° 47 ' 53.00 " N LAT. 79 ° 53 ' 51.00 " W LONG.

ANTENNA ID: NBC 5 meters Andrew unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

SITE ID: WCBD Studio2  
 LOCATION: 210 W Coleman Blvd, Charleston, Mt Pleasant, SC  
 32 ° 47 ' 53.00 " N LAT. 79 ° 53 ' 51.00 " W LONG.

ANTENNA ID: CNN,News,S 3.1 meters Patriot PRT-310  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

SITE ID: WOI Studio6  
 LOCATION: 3903 Westown Pkwy, Polk, W Des Moines, IA  
 41 ° 35 ' 50.52 " N LAT. 93 ° 45 ' 28.00 " W LONG.

ANTENNA ID: Sat7,8 3.1 meters Patriot PRT-310  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

SITE ID: WCBD Studio4  
 LOCATION: 210 W Coleman Blvd, Charleston, Mt Pleasant, SC  
 32 ° 47 ' 53.00 " N LAT. 79 ° 53 ' 51.00 " W LONG.

ANTENNA ID: CW,News 6.1 meters Patriot unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

SITE ID: WCBD Studio5  
 LOCATION: 210 W Coleman Blvd, Charleston, Mt Pleasant, SC  
 32 ° 47 ' 53.00 " N LAT. 79 ° 53 ' 51.00 " W LONG.

ANTENNA ID: DH 3.8 3.8 meters DH 3.8

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WDHN Studio1			
LOCATION: 5274 E State Hwy 52, Houston, Webb, AL			
31 ° 14 ' 26.75 " N LAT.		85 ° 18 ' 41.62 " W LONG.	
ANTENNA ID: ABC Backup	4.5 meters	Andrew	ES45P
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WDHN Studio2			
LOCATION: 5274 E State Hwy 52, Houston, Webb, AL			
31 ° 14 ' 26.75 " N LAT.		85 ° 18 ' 41.62 " W LONG.	
ANTENNA ID: G19,28,PB	3 meters	Winegard	unknown
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WCBD Studio3			
LOCATION: 210 W Coleman Blvd, Charleston, Mt Pleasant, SC			
32 ° 47 ' 53.00 " N LAT.		79 ° 53 ' 51.00 " W LONG.	
ANTENNA ID: Ant 3	6.1 meters	Vertex	unknown
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WFLA Studio1			
LOCATION: 200 S Parker St, Hillsborough, Tampa, FL			
27 ° 56 ' 41.10 " N LAT.		82 ° 27 ' 36.30 " W LONG.	
ANTENNA ID: Sat 14	3 meters	Prodelin	unknown
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WFLA Studio2			
LOCATION: 200 S Parker St, Hillsborough, Tampa, FL			
27 ° 56 ' 41.10 " N LAT.		82 ° 27 ' 36.30 " W LONG.	
ANTENNA ID: Net3,Escap	3.1 meters	Patriot	PRT-310
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WFLA Studio3			
LOCATION: 200 S Parker St, Hillsborough, Tampa, FL			
27 ° 56 ' 41.10 " N LAT.		82 ° 27 ' 36.30 " W LONG.	
ANTENNA ID: MyTV	3.8 meters	DH	Gibraltar

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WFLA Transmitters			
LOCATION: 15001 Boyette Rd, Hillsborough, Riverview, FL			
27 ° 50 ' 33.10 " N LAT.		82 ° 15 ' 44.30 " W LONG.	
ANTENNA ID: Sat 6,8	6 meters	Scientific Atlanta	8060
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WDHN Studio3			
LOCATION: 5274 E State Hwy 52, Houston, Webb, AL			
31 ° 14 ' 26.75 " N LAT.		85 ° 18 ' 41.62 " W LONG.	
ANTENNA ID: Steerable	3 meters	DH	30DH1
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WJBF Farm			
LOCATION: 1336 Augusta W Pkwy, Richmond, Augusta, GA			
33 ° 28 ' 3.00 " N LAT.		82 ° 5 ' 4.50 " W LONG.	
ANTENNA ID: Ants1-9	4.5 meters	DH	DH45
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WJBF Farm2			
LOCATION: 1336 Augusta W Pkwy, Richmond, Augusta, GA			
33 ° 28 ' 2.70 " N LAT.		82 ° 5 ' 4.80 " W LONG.	
ANTENNA ID: Ant 10	3.7 meters	DH	DH37P
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WJBF Roof			
LOCATION: 1336 Augusta W Pkwy, Richmond, Augusta, GA			
33 ° 28 ' 3.75 " N LAT.		82 ° 5 ' 6.79 " W LONG.	
ANTENNA ID: Ant 11	3.7 meters	DH	DH37P
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WJTV Studio1			
LOCATION: 1820 TV Rd, Hinds, Jackson, MS			
32 ° 17 ' 2.80 " N LAT.		90 ° 15 ' 49.00 " W LONG.	
ANTENNA ID: CBS,CW,ION	5 meters	DH	unknown

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3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      PSK, Digital video with assoc. digital audio/data

SITE ID:      WFLA Studio4  
LOCATION:      200 S Parker St, Hillsborough, Tampa, FL  
                 27 ° 56 ' 41.10 " N LAT.      82 ° 27 ' 36.30 " W LONG.

ANTENNA ID:      Sat 2,3      4.5 meters      Patriot      Commercial Series

3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      PSK, Digital video with assoc. digital audio/data

SITE ID:      WJTV Studio3  
LOCATION:      1820 TV Rd, Hinds, Jackson, MS  
                 32 ° 17 ' 2.80 " N LAT.      90 ° 15 ' 49.00 " W LONG.

ANTENNA ID:      GPs      3.7 meters      DH      unknown

3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      PSK, Digital video with assoc. digital audio/data

SITE ID:      WKRG Studio1  
LOCATION:      555 Broadcast Dr, Mobile, Mobile, AL  
                 30 ° 40 ' 17.62 " N LAT.      88 ° 6 ' 54.60 " W LONG.

ANTENNA ID:      Ant 1,2      5 meters      Comtech      C50P

3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      PSK, Digital video with assoc. digital audio/data

SITE ID:      WKRG Studio2  
LOCATION:      555 Broadcast Dr, Mobile, Mobile, AL  
                 30 ° 40 ' 17.62 " N LAT.      88 ° 6 ' 54.61 " W LONG.

ANTENNA ID:      Antenna 2      3 meters      Andrew      3.0m

3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      PSK, Digital video with assoc. digital audio/data

SITE ID:      WKRG Studio3  
LOCATION:      555 Broadcast Dr, Mobile, Mobile, AL  
                 30 ° 40 ' 17.62 " N LAT.      88 ° 6 ' 54.61 " W LONG.

ANTENNA ID:      Ants 4-8      3.7 meters      Prodelin      1344

3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      PSK, Digital video with assoc. digital audio/data

SITE ID:      WJTV Studio2  
LOCATION:      1820 TV Rd, Hinds, Jackson, MS  
                 32 ° 17 ' 2.80 " N LAT.      90 ° 15 ' 49.00 " W LONG.

ANTENNA ID:      CW2      4 meters      unknown      unknown

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3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      PSK, Digital video with assoc. digital audio/data

SITE ID:      WMBB TX1  
LOCATION:      13735 Scotts Ferry Rd, Bay, Youngstown, FL  
                 30 ° 21 ' 9.00 " N LAT.      85 ° 23 ' 28.00 " W LONG.

ANTENNA ID:    ABC      5 meters      Comtech      948-1485

3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      PSK, Digital video with assoc. digital audio/data

SITE ID:      WMBB TX2  
LOCATION:      13735 Scotts Ferry Rd, Bay, Youngstown, FL  
                 30 ° 21 ' 9.00 " N LAT.      85 ° 23 ' 28.00 " W LONG.

ANTENNA ID:    Daily Feed      3 meters      Patriot      PRT-310

3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      PSK, Digital video with assoc. digital audio/data

SITE ID:      WMBB Studio1  
LOCATION:      613 Harrison Ave, Bay, Panama City, FL  
                 30 ° 9 ' 33.70 " N LAT.      85 ° 39 ' 38.70 " W LONG.

ANTENNA ID:    Daily Feed      3 meters      Patriot      PRT-310

3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      PSK, Digital video with assoc. digital audio/data

SITE ID:      WMBB Studio2  
LOCATION:      613 Harrison Ave, Bay, Panama City, FL  
                 30 ° 9 ' 33.70 " N LAT.      85 ° 39 ' 38.70 " W LONG.

ANTENNA ID:    MeTV      4.5 meters      unknown      unknown

3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      PSK, Digital video with assoc. digital audio/data

SITE ID:      WKRG Studio4  
LOCATION:      555 Broadcast Dr, Mobile, Mobile, AL  
                 30 ° 40 ' 17.62 " N LAT.      88 ° 6 ' 54.61 " W LONG.

ANTENNA ID:    Ant 9      4.2 meters      Dawnco      D42F48-8PC-6.6

3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      PSK, Digital video with assoc. digital audio/data

SITE ID:      WMBB Studio4  
LOCATION:      613 Harrison Ave, Bay, Panama City, FL  
                 30 ° 9 ' 33.70 " N LAT.      85 ° 39 ' 38.70 " W LONG.

ANTENNA ID:    ABC2      4.2 meters      DH      spun aluminum

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WRBL Studio1			
LOCATION: 1350 13th Ave, Muscogee, Columbus, GA			
32 ° 28 ' 19.98 " N LAT.		84 ° 58 ' 25.01 " W LONG.	
ANTENNA ID: MeTV	3.1 meters	Patriot	PRT-310
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WRBL Studio2			
LOCATION: 1350 13th Ave, Muscogee, Columbus			
32 ° 28 ' 21.28 " N LAT.		84 ° 58 ' 26.10 " W LONG.	
ANTENNA ID: Pathfire	2.4 meters	Prodelin	0179-174
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WRBL Studio3			
LOCATION: 1350 13th Ave, Muscogee, Columbus, GA			
32 ° 28 ' 20.00 " N LAT.		84 ° 58 ' 25.00 " W LONG.	
ANTENNA ID: NetsSats	5.1 meters	Dawnco	unknown
SITE ID: WMBB Studio3			
LOCATION: 613 Harrison Ave, Bay, Panama City, FL			
30 ° 9 ' 33.70 " N LAT.		85 ° 39 ' 38.70 " W LONG.	
ANTENNA ID: ABC	3 meters	DH	spun aluminum
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WSAV Studio1			
LOCATION: 1430 E Victory Dr, Chatham, Savannah, GA			
32 ° 2 ' 48.33 " N LAT.		81 ° 4 ' 40.08 " W LONG.	
ANTENNA ID: CW,180-2	4.2 meters	DH	42AE
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data
SITE ID: WSAV Studio2			
LOCATION: 1430 E Victory Dr, Chatham, Savannah, GA			
32 ° 2 ' 48.33 " N LAT.		81 ° 4 ' 40.08 " W LONG.	
ANTENNA ID: Dish 23	3.7 meters	Patriot	PRT-310
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	PSK, Digital video with assoc. digital audio/data

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SITE ID: WSAV Studio3  
 LOCATION: 1430 E Victory Dr, Chatham, Savannah, GA  
 32 ° 2 ' 48.33 " N LAT. 81 ° 4 ' 40.08 " W LONG.

ANTENNA ID: Dish182-4 3.7 meters DH unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

SITE ID: WSPA Studio1  
 LOCATION: 250 International Dr, Spartanburg, Spartanburg, SC  
 34 ° 58 ' 17.15 " N LAT. 82 ° 0 ' 17.20 " W LONG.

ANTENNA ID: Zephyrus 1.7 meters unknown unknown  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

SITE ID: WRBL Studio4  
 LOCATION: 1350 13th Ave, Muscogee, Columbus, GA  
 32 ° 28 ' 21.35 " N LAT. 84 ° 58 ' 25.12 " W LONG.

ANTENNA ID: Ion 4.2 meters Dawnco D42PMD60-8PC-6.6  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

SITE ID: WSPA Studio3  
 LOCATION: 250 International Dr, Spartanburg, Spartanburg, SC  
 34 ° 58 ' 16.74 " N LAT. 82 ° 0 ' 13.90 " W LONG.

ANTENNA ID: Ant 3 7 meters Avcom unknown

SITE ID: WSPA Studio4  
 LOCATION: 250 International Dr, Spartanburg, Spartanburg, SC  
 34 ° 58 ' 17.34 " N LAT. 82 ° 0 ' 13.22 " W LONG.

ANTENNA ID: Ant 22 4.5 meters Patriot unknown

SITE ID: WSPA Studio5  
 LOCATION: 250 International Dr, Spartanburg, Spartanburg  
 34 ° 58 ' 17.88 " N LAT. 82 ° 0 ' 13.14 " W LONG.

ANTENNA ID: Ant 19 3.7 meters Patriot unknown

SITE ID: WSPA Studio6  
 LOCATION: 250 International Dr, Spartanburg, Spartanburg, SC  
 34 ° 58 ' 18.21 " N LAT. 82 ° 0 ' 13.10 " W LONG.

ANTENNA ID: Ant 23 4.5 meters Patriot unknown

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SITE ID: WSPA Studio2  
 LOCATION: 250 International Dr, Spartanburg, Spartanburg, SC  
 34 ° 58 ' 16.58 " N LAT. 82 ° 0 ' 15.22 " W LONG.

ANTENNA ID: Ant 13          7 meters          Microdyne          unknown

SITE ID: WSPA Studio8  
 LOCATION: 250 International Dr, Spartanburg, Spartanburg, SC  
 34 ° 58 ' 16.00 " N LAT. 82 ° 0 ' 13.00 " W LONG.

ANTENNA ID: Ant 4,5,6          4.5 meters          EASi          unknown

SITE ID: WSPA Studio9  
 LOCATION: 250 International Dr, Spartanburg, Spartanburg, SC  
 34 ° 58 ' 16.73 " N LAT. 82 ° 0 ' 17.40 " W LONG.

ANTENNA ID: Ant 11          3.7 meters          Prodelin          unknown

SITE ID: WLNS Studio2  
 LOCATION: 2820 E Saginaw, Ingham, Lansing, MI  
 42 ° 44 ' 22.60 " N LAT. 84 ° 30 ' 44.50 " W LONG.

ANTENNA ID: Dish 10          7 meters          Andrew          7

SITE ID: WLNS Studio3  
 LOCATION: 2820 E Saginaw, Ingham, Lansing, MI  
 42 ° 44 ' 22.60 " N LAT. 84 ° 30 ' 44.50 " W LONG.

SITE ID: WSPA Studio7  
 LOCATION: 250 International Dr, Spartanburg, Spartanburg, SC  
 34 ° 58 ' 16.15 " N LAT. 82 ° 0 ' 12.85 " W LONG.

ANTENNA ID: Ant 7          4.5 meters          D&H          unknown

SITE ID: WLNS Studio5  
 LOCATION: 2820 E Saginaw, Ingham, Lansing, MI  
 42 ° 44 ' 22.60 " N LAT. 84 ° 30 ' 44.50 " W LONG.

ANTENNA ID: Dish 4          3.8 meters          USS          unknown

SITE ID: WLNS Studio6  
 LOCATION: 2820 E Saginaw, Ingham, Lansing, MI  
 42 ° 44 ' 22.60 " N LAT. 84 ° 30 ' 44.50 " W LONG.

ANTENNA ID: Dish 7,8          3.6 meters          Miralite          unknown

SITE ID: WROC Studio  
 LOCATION: 201 Humboldt St, Monroe, Rochester, NY  
 43 ° 9 ' 11.90 " N LAT. 77 ° 33 ' 46.90 " W LONG.

ANTENNA ID: Dish 11,12          4.5 meters          Andrew          unknown



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SITE ID: WROC Studio2  
LOCATION: 201 Humboldt St, Monroe, Rochester, NY  
43 ° 9 ' 11.90 " N LAT. 77 ° 33 ' 46.90 " W LONG.

ANTENNA ID: CS 5 7 meters SA unknown

SITE ID: WLNS Studio4  
LOCATION: 2820 E Saginaw, Ingham, Lansing, MI  
42 ° 44 ' 22.60 " N LAT. 84 ° 30 ' 44.50 " W LONG.

ANTENNA ID: DHs 4.5 meters DH unknown

SITE ID: WROC Studio4  
LOCATION: 201 Humboldt St, Monroe, Rochester, NY  
43 ° 9 ' 11.90 " N LAT. 77 ° 33 ' 46.90 " W LONG.

ANTENNA ID: CS 6 4.5 meters SA unknown

SITE ID: WROC Studio5  
LOCATION: 201 Humboldt St, Monroe, Rochester, NY  
43 ° 9 ' 11.90 " N LAT. 77 ° 33 ' 46.90 " W LONG.

ANTENNA ID: Dish 4 4.5 meters Patriot unknown

SITE ID: WROC Studio6  
LOCATION: 201 Humboldt St, Monroe, Rochester, NY  
43 ° 9 ' 11.90 " N LAT. 77 ° 33 ' 46.90 " W LONG.

SITE ID: WROC Studio7  
LOCATION: 201 Humboldt St, Monroe, Rochester, NY  
43 ° 9 ' 11.90 " N LAT. 77 ° 33 ' 46.90 " W LONG.

ANTENNA ID: Dish 1 6.1 meters Harris unknown

SITE ID: WROC Studio3  
LOCATION: 201 Humboldt St, Monroe, Rochester, NY  
43 ° 9 ' 11.90 " N LAT. 77 ° 33 ' 46.90 " W LONG.

ANTENNA ID: Dish 6,10 4.5 meters DH unknown

SITE ID: WSYR Studio3  
LOCATION: 5904 Bridge St, Onondaga, East Syracuse, NY  
43 ° 3 ' 20.95 " N LAT. 76 ° 3 ' 52.41 " W LONG.

ANTENNA ID: Dish 2 3.8 meters Patriot PRT-380

SITE ID: WSYR Studio4  
LOCATION: 5904 Bridge St, Onondaga, East Syracuse, NY  
43 ° 3 ' 20.95 " N LAT. 76 ° 3 ' 52.41 " W LONG.

ANTENNA ID: Dish 18 3.8 meters DH single piece

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SITE ID: WBRE Studio1  
LOCATION: 62 S Franklin st, Luzerne, Wilkes-Barre, PA  
41 ° 14 ' 45.30 " N LAT. 75 ° 53 ' 5.70 " W LONG.

ANTENNA ID: 1 7 meters Scientific Atlanta 7M

SITE ID: WROC Studio8  
LOCATION: 201 Humboldt St, Monroe, Rochester, NY  
43 ° 9 ' 11.90 " N LAT. 77 ° 33 ' 46.90 " W LONG.

ANTENNA ID: Dish 3 5 meters USS unknown

**Points of Communication:**

- WBRE Studio1 - PERMITTED LIST - ()
- WCBD Studio1 - PERMITTED LIST - ()
- WCBD Studio2 - PERMITTED LIST - ()
- WCBD Studio3 - PERMITTED LIST - ()
- WCBD Studio4 - PERMITTED LIST - ()
- WCBD Studio5 - PERMITTED LIST - ()
- WDHN Studio1 - PERMITTED LIST - ()
- WDHN Studio2 - PERMITTED LIST - ()
- WDHN Studio3 - PERMITTED LIST - ()
- WFLA Studio1 - PERMITTED LIST - ()
- WFLA Studio2 - PERMITTED LIST - ()
- WFLA Studio3 - PERMITTED LIST - ()
- WFLA Studio4 - PERMITTED LIST - ()
- WFLA Transmitters - PERMITTED LIST - ()
- WJBF Farm - PERMITTED LIST - ()
- WJBF Farm2 - PERMITTED LIST - ()
- WJBF Roof - PERMITTED LIST - ()
- WJTV Studio1 - PERMITTED LIST - ()
- WJTV Studio2 - PERMITTED LIST - ()
- WJTV Studio3 - PERMITTED LIST - ()
- WKRK Studio1 - PERMITTED LIST - ()
- WKRK Studio2 - PERMITTED LIST - ()

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WKRK Studio3 - PERMITTED LIST - ()  
WKRK Studio4 - PERMITTED LIST - ()  
WLAX Studio1 - PERMITTED LIST - ()  
WLAX Studio2 - PERMITTED LIST - ()  
WLAX Studio3 - PERMITTED LIST - ()  
WLAX Studio4 - PERMITTED LIST - ()  
WLAX Studio5 - PERMITTED LIST - ()  
WLAX Studio6 - PERMITTED LIST - ()  
WLAX Studio7 - PERMITTED LIST - ()  
WLNS Studio1 - PERMITTED LIST - ()  
WLNS Studio2 - PERMITTED LIST - ()  
WLNS Studio3 - PERMITTED LIST - ()  
WLNS Studio4 - PERMITTED LIST - ()  
WLNS Studio5 - PERMITTED LIST - ()  
WLNS Studio6 - PERMITTED LIST - ()  
WMBB Studio1 - PERMITTED LIST - ()  
WMBB Studio2 - PERMITTED LIST - ()  
WMBB Studio3 - PERMITTED LIST - ()  
WMBB Studio4 - PERMITTED LIST - ()  
WMBB TX1 - PERMITTED LIST - ()  
WMBB TX2 - PERMITTED LIST - ()  
WMBD Studio1 - PERMITTED LIST - ()  
WMBD Studio2 - PERMITTED LIST - ()  
WMBD Studio3 - PERMITTED LIST - ()  
WMBD Studio4 - PERMITTED LIST - ()  
WMBD Studio5 - PERMITTED LIST - ()  
WMBD Studio6 - PERMITTED LIST - ()  
WMBD Studio7 - PERMITTED LIST - ()  
WMBD Studio8 - PERMITTED LIST - ()  
WOI Studio1 - PERMITTED LIST - ()

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WOI Studio2 - PERMITTED LIST - ()  
WOI Studio3 - PERMITTED LIST - ()  
WOI Studio4 - PERMITTED LIST - ()  
WOI Studio5 - PERMITTED LIST - ()  
WOI Studio6 - PERMITTED LIST - ()  
WOI Studio7 - PERMITTED LIST - ()  
WOI Studio8 - PERMITTED LIST - ()  
WRBL Studio1 - PERMITTED LIST - ()  
WRBL Studio2 - PERMITTED LIST - ()  
WRBL Studio3 - PERMITTED LIST - ()  
WRBL Studio4 - PERMITTED LIST - ()  
WROC Studio - PERMITTED LIST - ()  
WROC Studio2 - PERMITTED LIST - ()  
WROC Studio3 - PERMITTED LIST - ()  
WROC Studio4 - PERMITTED LIST - ()  
WROC Studio5 - PERMITTED LIST - ()  
WROC Studio7 - PERMITTED LIST - ()  
WROC Studio8 - PERMITTED LIST - ()  
WSAV Studio1 - PERMITTED LIST - ()  
WSAV Studio2 - PERMITTED LIST - ()  
WSAV Studio3 - PERMITTED LIST - ()  
WSPA Studio1 - PERMITTED LIST - ()  
WSPA Studio2 - PERMITTED LIST - ()  
WSPA Studio3 - PERMITTED LIST - ()  
WSPA Studio4 - PERMITTED LIST - ()  
WSPA Studio5 - PERMITTED LIST - ()  
WSPA Studio6 - PERMITTED LIST - ()  
WSPA Studio7 - PERMITTED LIST - ()  
WSPA Studio8 - PERMITTED LIST - ()  
WSPA Studio9 - PERMITTED LIST - ()

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WSYR Studio3 - PERMITTED LIST - ()

WSYR Studio4 - PERMITTED LIST - ()

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**SES-REG-20181008-04948** E E191320 Troy Cablevision, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1006 S Brundidge St., United States, Troy, AL

31 ° 47 ' 40.84 " N LAT.

85 ° 57 ' 56.87 " W LONG.

ANTENNA ID:	1	2.8 meters	Scientific Atlanta	9000
	3700.0000 - 4200.0000 MHz		30M0G7W	Modulation And Digital Services
ANTENNA ID:	2	3.8 meters	Patriot	???
	3700.0000 - 4200.0000 MHz		30M0G7W	Modulation And Digital Services
ANTENNA ID:	3	3.8 meters	National Downlink	???
	3700.0000 - 4200.0000 MHz		30M0G7W	Modulation And Digital Services
ANTENNA ID:	4	3.8 meters	Satel Lite Exports	???
	3700.0000 - 4200.0000 MHz		30M0G7W	Modulation And Digital Services
ANTENNA ID:	5	4.6 meters	Andrew	???
	3700.0000 - 4200.0000 MHz		30M0G7W	Modulation And Digital Services
ANTENNA ID:	6	3.8 meters	National Downlink	???
	3700.0000 - 4200.0000 MHz		30M0G7W	Modulation And Digital Services
ANTENNA ID:	7	3.8 meters	Patriot	???
	3700.0000 - 4200.0000 MHz		30M0G7W	Modulation And Digital Services
ANTENNA ID:	8	3.8 meters	Patriot	???
	3700.0000 - 4200.0000 MHz		30M0G7W	Modulation And Digital Services
ANTENNA ID:	9	3.8 meters	Patriot	???
	3700.0000 - 4200.0000 MHz		30M0G7W	Modulation And Digital Services
ANTENNA ID:	10	4.6 meters	Comtech	???

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3700.0000 - 4200.0000 MHz

30M0G7W

Modulation And Digital Services

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181008-04950** E E191322 Cameron Broadcasting, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: BHC 1

LOCATION: 2350 Miracle Mile Road Ste300, Mohave, Bullhead City AZ, AZ

35 ° 6 ' 5.00 " N LAT.

114 ° 35 ' 39.00 " W LONG.

ANTENNA ID: ANT 1

3.6 meters

Unknown

Unknown

3700.0000 - 4200.0000 MHz

30M0G7W

0.00 dBW

Modulation and Services Analog and Digital Audio with associated subcarriers

**Points of Communication:**

BHC 1 - PERMITTED LIST - ()

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**SES-REG-20181008-04952** E E191324 5-Star Communications Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KVTK

LOCATION: 210 W. 3rd St., Yankton, Yankton, SD

42 ° 52 ' 12.07 " N LAT.

97 ° 23 ' 39.93 " W LONG.

ANTENNA ID: Ant1

3.8 meters

Comtech

8.3M Round

3700.0000 - 4200.0000 MHz

36M0G7F

0.00 dBW

Audio for radio broadcast

**Points of Communication:**

KVTK - PERMITTED LIST - ()

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**SES-REG-20181008-04953** E E191325 EnTouch

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 16055 Spring Cypress Rd 16055 Spring Cypress Rd, Harris, Cypress, TX

29 ° 58 ' 43.89 " N LAT.

95 ° 40 ' 9.07 " W LONG.

ANTENNA ID: 1

3.8 meters

Comtech

829066-G2RC

3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Digital Video with subcarriers
ANTENNA ID: 2	3.8 meters	Comtech	829066-G2RC
3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Digital Video with subcarriers
ANTENNA ID: 3	3.8 meters	Comtech	829066-G2RC
3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Digital Video with subcarriers
ANTENNA ID: 4	3.8 meters	Comtech	829066-G2RC
3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Digital Video with subcarriers
ANTENNA ID: 5	3.8 meters	Comtech	829066-G2RC
3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Digital Video with subcarriers
ANTENNA ID: 6	3.8 meters	Comtech	829066-G2RC
3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Digital Video with subcarriers
ANTENNA ID: 7	3.8 meters	Comtech	829066-G2RC
3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Digital Video with subcarriers
ANTENNA ID: 8	4.2 meters	DH Antenna	D42F48-8PC-5.5
3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Digital Video with subcarriers
ANTENNA ID: 9	4.2 meters	DH Antenna	D42F48-8PC-5.5
3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Digital Video with subcarriers

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-REG-20181008-04955** E E191327 Horizon Cable TV, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 510 Mesa Rd, Marin, Point Reyes Station, CA

38 ° 4 ' 13.91 " N LAT.

122 ° 48 ' 30.97 " W LONG.

ANTENNA ID: 1 3.7 meters Patriot 3.7

3700.0000 - 4200.0000 MHz 36MCG7D video

ANTENNA ID:	2	3.7 meters	Patriot	3.7
	3700.0000 - 4200.0000 MHz		36MCG7D	video
ANTENNA ID:	3	3.7 meters	Patriot	3.7
	3700.0000 - 4200.0000 MHz		36MCG7D	video
ANTENNA ID:	4	1.8 meters	Patriot	1.8
	3700.0000 - 4200.0000 MHz		36MCG7D	video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181008-04956** E E191328 Union Springs Telephone Co.,Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 47 Depot St, Bullock, Midway, AL  
 32 ° 4 ' 40.62 " N LAT. 85 ° 31 ' 18.42 " W LONG.

ANTENNA ID:	1	5 meters	Anixter	???
	3700.0000 - 4200.0000 MHz		36NOG7D	Modulation And Digital Services

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181008-04957** E E191329 Union Springs Telephone Co.,Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 206 Hardaway Ave East, Bullock, Union Springs, AL  
 32 ° 8 ' 39.87 " N LAT. 85 ° 42 ' 52.32 " W LONG.

ANTENNA ID:	1	5 meters	Anixter	???
	3700.0000 - 4200.0000 MHz		30M0G7W	Modulation And Digital Services

ANTENNA ID:	2	2.8 meters	Prodelin	???
	3700.0000 - 4200.0000 MHz		36NOG7D	Modulation And Digital Services

**Points of Communication:**



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1 - PERMITTED LIST - ()

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**SES-REG-20181008-04972** E E191348 MICHAEL E STEIL

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: A

LOCATION: 107 Dewitt (Li Verne), Kossuth, Lu Verne, IA

42 ° 54 ' 34.00 " N LAT.

94 ° 5 ' 2.00 " W LONG.

ANTENNA ID: 1 4.5 meters

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

**Points of Communication:**

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A - PERMITTED LIST - ()

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**SES-REG-20181009-03607** E E190007 Cox Communications Kansas, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 10851 W. Frontview, Ford, Dodge City, KS

37 ° 46 ' 46.40 " N LAT.

ANTENNA ID: 3.8M. 3.8 meters DAWNco DH 3.8 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-REG-20181009-03627** E E190010 Alpha 3E Licensee LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1633 W Main St, Freeborn, Albert Lea, MN

43 ° 38 ' 41.11 " N LAT.

93 ° 23 ' 19.37 " W LONG.

ANTENNA ID: AMC-18 3.8 meters Comtech 3.8M.

3700.0000 - 4200.0000 MHz

**Points of Communication:**

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1 - PERMITTED LIST - ()

1 - PERMITTED LIST - ()

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**SES-REG-20181009-03628** E E190011 Alpha 3E Licensee LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 18431 State Hwy 105, Mower, Austin, MN  
43 ° 37 ' 20.20 " N LAT. 92 ° 59 ' 24.35 " W LONG.

ANTENNA ID: AMC-18 2.8 meters Scientific Atlanta 9000

3700.0000 - 4200.0000 MHz

**Points of Communication:**

1 - PERMITTED LIST - ()

1 - PERMITTED LIST - ()

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**SES-REG-20181009-04987** E E191363 Monarch Broadcasting, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Site 1

LOCATION: 212 W Cypress, Jackson, Altus, OK  
34 ° 38 ' 22.42 " N LAT. 99 ° 20 ' 9.62 " W LONG.

ANTENNA ID: ANT1 4.5 meters Unimesh ust410a

3700.0000 - 4200.0000 MHz

**Points of Communication:**

Site 1 - PERMITTED LIST - ()

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**SES-REG-20181009-05007** E E191383 TURNER BROADCASTING SYSTEM, INC.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Antenna 03

LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA  
33 ° 47 ' 1.30 " N LAT. 84 ° 23 ' 36.20 " W LONG.

ANTENNA ID: 1 7 meters Scientific Atlanta 7MPolar

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

SITE ID: Antenna 05  
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA  
33 ° 47 ' 1.30 " N LAT. 84 ° 23 ' 36.60 " W LONG.

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

**Points of Communication:**

Antenna 03 - PERMITTED LIST - ()  
Antenna 05 - PERMITTED LIST - ()

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**SES-REG-20181009-05008** E E191384 TURNER BROADCASTING SYSTEM, INC.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: CRES Antenna 09  
LOCATION: 7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33 ° 41 ' 26.70 " N LAT. 84 ° 37 ' 19.20 " W LONG.

ANTENNA ID: 1	11 meters	Viasat	8016
3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz	20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz	15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video

SITE ID: CRES Antenna 15  
LOCATION: 7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33 ° 41 ' 26.10 " N LAT. 84 ° 37 ' 19.40 " W LONG.

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ANTENNA ID:	1	9.3 meters	Andrews	237237
	3700.0000 - 4200.0000 MHz	15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
	3700.0000 - 4200.0000 MHz	20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
	3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video

**Points of Communication:**

CRES Antenna 09 - PERMITTED LIST - ()

CRES Antenna 15 - PERMITTED LIST - ()

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~~SES-REG-20181009-05012~~ E E191388 TURNER BROADCASTING SYSTEM, INC.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: CRES Antenna 16

LOCATION: 7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33 ° 41 ' 24.60 " N LAT.

84 ° 37 ' 20.30 " W LONG.

ANTENNA ID:	1	9 meters	Viasat	8009A
	3700.0000 - 4200.0000 MHz	15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
	3700.0000 - 4200.0000 MHz	20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
	3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video

SITE ID: CRES Antenna 21

LOCATION: 7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33 ° 41 ' 24.20 " N LAT.

84 ° 37 ' 20.40 " W LONG.

ANTENNA ID:	1	9 meters	Viasat	8009A
	3700.0000 - 4200.0000 MHz	15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
	3700.0000 - 4200.0000 MHz	20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
	3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video

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SITE ID: CRES Antenna 11  
LOCATION: 7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33 ° 41 ' 24.80 " N LAT. 84 ° 37 ' 20.50 " W LONG.

ANTENNA ID:	1	9 meters	Viasat	8009A	
	3700.0000 - 4200.0000 MHz		36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
	3700.0000 - 4200.0000 MHz		20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
	3700.0000 - 4200.0000 MHz		15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video

**Points of Communication:**

CRES Antenna 11 - PERMITTED LIST - ()

CRES Antenna 16 - PERMITTED LIST - ()

CRES Antenna 21 - PERMITTED LIST - ()

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**SES-REG-20181010-05148** E E191529 DENNIS W VOY ( d/b/a MAQUOKETA BROADCASTING COMPANY )

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KMAQ  
LOCATION: 129 N Main, Jackson, Maquoketa, IA  
42 ° 4 ' 12.80 " N LAT. 90 ° 39 ' 54.40 " W LONG.

ANTENNA ID:	Harris	3.048 meters	Harris	9115
	3700.0000 - 4200.0000 MHz		36M0G7W	digital audio

**Points of Communication:**

KMAQ - PERMITTED LIST - ()

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**SES-REG-20181010-05156** E E191537 BFI Licenses, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: RO 2  
LOCATION: 3845 Pleasantdale Rd, Dekalb, Atlanta, GA  
33 ° 53 ' 47.50 " N LAT. 84 ° 14 ' 21.20 " W LONG.

ANTENNA ID:	1	3.7 meters	Prodelin	3.7M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data

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ANTENNA ID:	2	3.7 meters	California Microwave	3.7Meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video and Data

**Points of Communication:**

RO 2 - PERMITTED LIST - ()

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**SES-REG-20181010-05197** E E191578 Woods Communications Corporation

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Site 2

LOCATION: Old Union Road, Pike, Fitzpatrick, AL  
32 ° 3 ' 36.50 " N LAT.

85 ° 57 ' 1.80 " W LONG.

ANTENNA ID:	ANT1	3.048 meters	Wineguard	WG-10
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Modulation and services Digital Video

**Points of Communication:**

Site 2 - PERMITTED LIST - ()

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**SES-REG-20181010-05222** E E191601 Mongoose Works, Ltd.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: HQ

LOCATION: 4950 S El Camino Dr, Arapahoe, Cherry Hills Village, CO  
39 ° 37 ' 34.60 " N LAT.

104 ° 55 ' 2.20 " W LONG.

ANTENNA ID:	T90	0.9 meters	Wave Frontier	T90
ANTENNA ID:	3.0A	3 meters	Winegard	CK-1088
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Digital Video
ANTENNA ID:	3.2	3.2 meters	Radyx	10.5
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Digital Video
ANTENNA ID:	3.0B	3 meters	Unimesh	10AS
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Digital Video and Weather Data
ANTENNA ID:	3.5A	3.5 meters	Tek 2000	350
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Digital Video

ANTENNA ID:	1.8	1.8 meters	Prodelin	1186
ANTENNA ID:	2.6B	2.6 meters	Birdview	20/20M
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Digital Video
ANTENNA ID:	3.5B	3.5 meters	Tek 2000	350
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Digital Video
ANTENNA ID:	2.6A	2.6 meters	Birdview	20/20M
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Digital Video
ANTENNA ID:	3.0C	3 meters	Kaultronics	KTI-10
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Digital Video

**Points of Communication:**

HQ - PERMITTED LIST - ()

**SES-REG-20181011-03082** E E181890 Giles Craig Communications Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Giles-Craig

LOCATION: 504 Snidow St., Giles, Pembroke, VA

37 ° 19 ' 14.00 " N LAT.

80 ° 38 ' 16.00 " W LONG.

ANTENNA ID:	1	3.7 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Video
ANTENNA ID:	2	3.1 meters	Patriot	PRT-310
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Video
ANTENNA ID:	3	3.7 meters	Patriot	PTR-380
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Video
ANTENNA ID:	4	3.1 meters	Patriot	PRT-310
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Video
ANTENNA ID:	5	3.7 meters	Patriot	PRT-380
	3700.0000 - 4200.0000 MHz		36M0G7W	
				Digital Video

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**Points of Communication:**

Giles-Craig - PERMITTED LIST - ()

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**SES-REG-20181012-05564** E E200267 Tower Broadcasting LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Bath Studio

LOCATION: East Washington St Ext, Steuben, Bath, NY

77 ° 17 ' 30.30 " W LONG.

ANTENNA ID: ANT1 3.7 meters DAWNco SATPACK-D37-radio

**Points of Communication:**

Bath Studio - PERMITTED LIST - ()

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**SES-REG-20181012-05566** E E200269 Multimedia Network of North Carolina, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WYBE-CD Station Loca

LOCATION: 200 Short Road, Moore, Southern Pines, NC

35 ° 9 ' 57.80 " N LAT.

79 ° 25 ' 10.00 " W LONG.

ANTENNA ID: 1 4.5 meters Perfect Ten Unk

3700.0000 - 4200.0000 MHz 36M0G7D Video

**Points of Communication:**

WYBE-CD Station Loca - PERMITTED LIST - ()

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**SES-REG-20181012-05567** E E200270 Global Eagle Telecom Licensing Subsidiary LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: HOM-RO2

LOCATION: 200 Telegraph Hill Road, Monmouth, Holmdel, NJ

40 ° 23 ' 41.90 " N LAT.

74 ° 10 ' 23.90 " W LONG.

ANTENNA ID: HOM-RO#2 4.2 meters Andersen Manufacturing True Focus 4.2 M

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL DATA VIDEO AND AUDIO

**Points of Communication:**



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HOM-RO2 - PERMITTED LIST - ()

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**SES-REG-20181012-05569** E E200272 2B Productions, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Main Studio

LOCATION: 1525 Jake Alexander Blvd. W Salisbury, NC, Rowan, Salisbury, NC  
35 ° 40 ' 46.00 " N LAT. 80 ° 30 ' 24.00 " W LONG.

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

**Points of Communication:**

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Main Studio - PERMITTED LIST - ()

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**SES-REG-20181012-05572** E E200275 Pathway Christian Academy, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WZRU Site

LOCATION: 232 Roanoke Avenue, Halifax, Roanoke Rapids, NC  
36 ° 28 ' 7.00 " N LAT. 77 ° 39 ' 1.00 " W LONG.

ANTENNA ID: WZRU 4.5 meters Patriot Prime Focus  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Audio and associated subcarriers

**Points of Communication:**

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WZRU Site - PERMITTED LIST - ()

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**SES-REG-20181012-05577** E E200280 Nebraska Educational Telecommunications Commission

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: NPR REC BKUP

LOCATION: 1800 N 33rd St., Lancaster, Lincoln, NE  
40 ° 49 ' 53.10 " N LAT. 96 ° 40 ' 17.60 " W LONG.

ANTENNA ID: NPR REC BK 3.7 meters Miralite SatPak-D37  
3700.0000 - 4200.0000 MHz 10M3G7W Digital Audio Carrier  
3700.0000 - 4200.0000 MHz 30K0F1D Digital Broadcast Audio Carrier

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**Points of Communication:**

NPR REC BKUP - PERMITTED LIST - ()

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**SES-REG-20181012-05583** E E200285 WSBT LICENSEE, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WSBT Site 2

LOCATION: 1301 E. Douglas Rd, St. Joseph, Mishawaka, IN

41 ° 42 ' 28.50 " N LAT.

86 ° 9 ' 58.50 " W LONG.

ANTENNA ID: 1 4.5 meters Scientific Atlanta 4.5M

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

**Points of Communication:**

WSBT Site 2 - PERMITTED LIST - ()

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**SES-REG-20181012-05586** E E200288 Benne Broadcasting of Sedalia, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KDRO SAT DISH

LOCATION: 301 S Ohio, Pettis, Sedalia, MO

38 ° 42 ' 30.58 " N LAT.

93 ° 13 ' 40.33 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot 3.8 M Prime

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

**Points of Communication:**

KDRO SAT DISH - PERMITTED LIST - ()

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**SES-REG-20181012-05587** E E200289 Virden Broadcasting Corp.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Site 1

LOCATION: 3101 Freeport Rd, Whiteside, Sterling, IL

41 ° 48 ' 59.50 " N LAT.

89 ° 40 ' 11.80 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

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**Points of Communication:**

Site 1 - PERMITTED LIST - ()

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**SES-REG-20181012-05588** E E200290 Wharton County Radio, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Site 1

LOCATION: 515 E. Jackson Street, Wharton, El Campo, TX

29 ° 12 ' 0.04 " N LAT.

96 ° 15 ' 55.23 " W LONG.

ANTENNA ID: Ant 1 3 meters Prodelin 1304

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with Subcarriers

**Points of Communication:**

Site 1 - PERMITTED LIST - ()

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**SES-REG-20181012-05593** E E200295 KBUK Radio, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: P.O. Box 609, Fayette, LaGrange, TX

29 ° 52 ' 58.00 " N LAT.

96 ° 51 ' 57.00 " W LONG.

ANTENNA ID: 3.0M 3 meters Prodelin 3.0M

3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulations

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181015-04805** E E191176 jefferson county cable, inc

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Empire Ohio

LOCATION: 319 Twp Rd 246, Jefferson, Toronto, OH

40 ° 30 ' 12.93 " N LAT.

80 ° 38 ' 44.78 " W LONG.

ANTENNA ID: G-17 3.1 meters Patriot 3.1

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3700.0000 - 4200.0000 MHz	36M0G7W	Analog and Digital with associate Audio subcarriers
ANTENNA ID: Patri 3.8	3.8 meters	Patriot
		3.8
3700.0000 - 4200.0000 MHz	36M0G7W	Analog and Digital with associated audio subcarriers

**Points of Communication:**

Empire Ohio - AMC-1(S2445) - (130.90)

Empire Ohio - GALAXY 13 (S2386) - (127 W.L.)

Empire Ohio - GALAXY 14 (S2385) - (125 W.L.)

Empire Ohio - GALAXY 17 (S2715) - (91 W.L.)

Empire Ohio - GALAXY 18 (S2733) - (123 W.L.)

Empire Ohio - GALAXY 23 (S2592) - (121 W.L.)

Empire Ohio - PERMITTED LIST - ()

Empire Ohio - PERMITTED LIST - ()

Empire Ohio - SES-1 (S2807) - (101.0 W.L.)

Empire Ohio - SES-11 (S2964) - (104.95 W.L.)

Empire Ohio - SES-3 (S2892) - (103 W.L.)

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**SES-REG-20181015-05730** E E200419 Frontdoor Broadcasting, L.L.C.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WTXK Studio

LOCATION: 1359 Carmichael Way, Montgomery, Montgomery, AL  
32 ° 21 ' 25.60 " N LAT.

86 ° 14 ' 23.90 " W LONG.

ANTENNA ID: Sat Ant 1      3 meters      Orbitron      SX-10

3700.0000 - 4200.0000 MHz      36M0G7W      video / audio / data

**Points of Communication:**

WTXK Studio - PERMITTED LIST - ()

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**SES-REG-20181015-05734** E E200423 Tiger Communications, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: WACQ Studio  
LOCATION: 320 Barnett Blvd, Elmore, Tallassee, AL  
32 ° 32 ' 10.90 " N LAT. 85 ° 53 ' 39.80 " W LONG.

ANTENNA ID: Sat Ant 1 3.8 meters Comtech 3.8  
3700.0000 - 4200.0000 MHz 36M0G7W Digital video / audio / data  
ANTENNA ID: Sat Ant 2 3.4 meters Prodelin 1344  
3700.0000 - 4200.0000 MHz 36M0G7W Digital video / audio / data  
ANTENNA ID: Sat Ant 3 3.65 meters Cosmos 12  
3700.0000 - 4200.0000 MHz 36M0G7W Digital video / audio / data

**Points of Communication:**

WACQ Studio - PERMITTED LIST - ()

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**SES-REG-20181015-05771** E E200463 Hi-Line Radio Fellowship, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KXEI Studio  
LOCATION: 317 First Street, Hill, Havre, MT  
48 ° 33 ' 14.00 " N LAT. 109 ° 40 ' 39.10 " W LONG.

ANTENNA ID: ANT1 3.8 meters True Focus 4P12.5-S  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video

**Points of Communication:**

KXEI Studio - PERMITTED LIST - ()

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**SES-REG-20181015-05776** E E200468 Boulder Community Broadcast Association, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KGNU  
LOCATION: 4700 Walnut St, Boulder, Boulder, CO  
40 ° 1 ' 10.00 " N LAT. 105 ° 14 ' 35.00 " W LONG.

ANTENNA ID: 3.8 3.8 meters Comtech 3.8 PF  
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation

3700.0000 - 4200.0000 MHz	30K0G3W	Digital / analog traffic, various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz	36M0G3W	Digital / analog traffic, various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz	30K0G7W	Digital traffic, various FEC, data rates and modulation

**Points of Communication:**

KGNU - PERMITTED LIST - ()

**SES-REG-20181015-05778** E E200470 Washington Broadcasting Company

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 98 South Main St., Washington, Washington, PA  
 40 ° 10 ' 10.30 " N LAT. 80 ° 14 ' 40.60 " W LONG.

ANTENNA ID: 1 3.8 meters Challenger Comm. 3.8MPF

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Multiplex Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-REG-20181015-05793** E E200485 Tejas Broadcasting Ltd., LLP

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Corpus Christi

LOCATION: 1733 S Brownlee Blvd, Nueces, Corpus Christi, TX  
 27 ° 46 ' 15.95 " N LAT. 97 ° 24 ' 8.86 " W LONG.

ANTENNA ID: CC 1 3.7 meters DH Satellite 37DH1

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog Audio

**Points of Communication:**

Corpus Christi - PERMITTED LIST - ()

**SES-REG-20181015-05797** E E200489 The University of Montana

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: KUFL Libby  
LOCATION: 191 Gilcrease Ln, USA, Libby, MT  
48 ° 22 ' 44.90 " N LAT. 115 ° 33 ' 33.00 " W LONG.

ANTENNA ID:	ANT1	3.7 meters	DAWNco	D37P-MD	
	3700.0000 - 4200.0000 MHz		30K0F1D	0.00 dBW	Digital Audio Carrier
	3700.0000 - 4200.0000 MHz		10M3G7W	0.00 dBW	Digital Audio Carrier

**Points of Communication:**

KUFL Libby - PERMITTED LIST - ()

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**SES-REG-20181015-05800** E E200492 Winston Broadcasting Network, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Studio  
LOCATION: 2690 State Rd, Summit, Cuyahoga Falls, OH  
41 ° 8 ' 43.30 " N LAT. 81 ° 30 ' 37.17 " W LONG.

ANTENNA ID:	Dish SE	3.8 meters	Unknown	Unknown	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Audio & Video and data
ANTENNA ID:	Dish SW	5 meters	Unknown	Unknown	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Audio & Video and data
ANTENNA ID:	Dish NW	3.8 meters	Unknown	Unknown	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Audio & Video and data
ANTENNA ID:	Dish NE	3.6 meters	Unknown	Unknown	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Audio & Video and data

**Points of Communication:**

Studio - PERMITTED LIST - ()

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**SES-REG-20181015-05804** E E200496 The University of Montana

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KUFN Hamilton  
LOCATION: 9190 Grubstake Rd, USA, Hamilton, MT  
46 ° 13 ' 47.10 " N LAT. 114 ° 14 ' 10.10 " W LONG.

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ANTENNA ID:	ANT1	3.7 meters	DAWNco	D37P-MD	
	3700.0000 - 4200.0000 MHz		30K0F1D	0.00 dBW	Digital Audio Carrier
	3700.0000 - 4200.0000 MHz		10M3G7W	0.00 dBW	Digital Audio Carrier

**Points of Communication:**

KUFN Hamilton - PERMITTED LIST - ()

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**SES-REG-20181015-05836** E E200526 Dead-Air Broadcasting Company, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Site 1

LOCATION: 610 North Montana, Beaverhead, Dillon, MT

45 ° 13 ' 32.90 " N LAT.

112 ° 37 ' 43.80 " W LONG.

ANTENNA ID:	ANT1	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video

**Points of Communication:**

Site 1 - PERMITTED LIST - ()

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**SES-REG-20181015-05841** E E200531 The Original Company, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Vincennes

LOCATION: 522 Busseron St., Knox, Vincennes, IN

38 ° 40 ' 39.60 " N LAT.

87 ° 31 ' 43.00 " W LONG.

ANTENNA ID:	Dish1	3.7 meters	DawnCo	D37F48-4DC-5.5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio

**Points of Communication:**

Vincennes - PERMITTED LIST - ()

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**SES-REG-20181015-05891** E E200581 Big River Radio, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service



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SITE ID: Ripley  
LOCATION: 3674 Cedar Lakes Rd, Jackson, Ripley, WV  
38 ° 46 ' 1.10 " N LAT. 81 ° 41 ' 10.50 " W LONG.

ANTENNA ID: Ripley1 3.7 meters Generic Fiberglass 3.7  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Digital Audio

**Points of Communication:**

Ripley - PERMITTED LIST - ()

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**SES-REG-20181015-05892** E E200582 Big River Radio, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Point Pleasant  
LOCATION: 303 Eighth St, Mason, Point Pleasant, WV  
38 ° 50 ' 47.80 " N LAT. 82 ° 8 ' 11.00 " W LONG.

ANTENNA ID: PointP11 3.7 meters Prodelin 1374-995  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Digital Audio

**Points of Communication:**

Point Pleasant - PERMITTED LIST - ()

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**SES-REG-20181015-05909** E E200599 Fayette Broadcasting Corporation

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Earth Station  
LOCATION: 44 S. Mt. Vernon Ave., Fayette, Uniontown, PA  
39 ° 53 ' 59.63 " N LAT. 79 ° 43 ' 58.39 " W LONG.

ANTENNA ID: ant3.7 3.7 meters GD/Satcom ant3.7  
3700.0000 - 4200.0000 MHz 36M0G7W digital

**Points of Communication:**

Earth Station - PERMITTED LIST - ()

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**SES-REG-20181015-06073** E E200764 Jacobson Broadcasting Company, Inc

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: ANT1  
LOCATION: 3875 - 150th St, Emmet, Estherville, IA  
43 ° 25 ' 48.00 " N LAT. 94 ° 49 ' 20.00 " W LONG.

ANTENNA ID: ANT1 2.8 meters Scientific Atl. 2.8 meter  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

**Points of Communication:**

ANT1 - PERMITTED LIST - ()

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**SES-REG-20181016-05713** E E200402 KSTP-TV, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KSPT-TV, LLC  
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN  
44 ° 58 ' 8.11 " N LAT. 93 ° 12 ' 24.90 " W LONG.

ANTENNA ID: KSTP-TV 3.7 meters PRODELIN 161-6  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

**Points of Communication:**

KSPT-TV, LLC - PERMITTED LIST - ()

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**SES-REG-20181016-05714** E E200403 KSTP-TV, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KSTP-TV, LLC  
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN  
44 ° 58 ' 8.15 " N LAT. 93 ° 12 ' 23.99 " W LONG.

ANTENNA ID: KSTP-TV 5 meters COMTECH 5X3METER  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

**Points of Communication:**

KSTP-TV, LLC - PERMITTED LIST - ()

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**SES-REG-20181016-05716** E E200405 KSTP-TV, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: KSTP-TV, LLC  
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN  
44 ° 58 ' 7.23 " N LAT. 93 ° 12 ' 27.62 " W LONG.

ANTENNA ID: KSTP-TV 3.7 meters DH 37DH1  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

**Points of Communication:**

KSTP-TV, LLC - PERMITTED LIST - ()

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**SES-REG-20181016-05717** E E200406 KSTP-TV, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KSTP-TV, LLC  
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN  
44 ° 58 ' 7.51 " N LAT. 93 ° 12 ' 29.09 " W LONG.

ANTENNA ID: KSTP-TV 3.7 meters DH 37DH1  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

**Points of Communication:**

KSTP-TV, LLC - PERMITTED LIST - ()

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**SES-REG-20181016-05718** E E200407 KSTP-TV, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KSTP-TV, LLC  
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN  
44 ° 58 ' 6.62 " N LAT. 93 ° 12 ' 28.10 " W LONG.

ANTENNA ID: KSTP-TV 4.5 meters CYCLESAT 4.5  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

**Points of Communication:**

KSTP-TV, LLC - PERMITTED LIST - ()

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**SES-REG-20181016-05721** E E200410 W.K. Communications, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: Anthony  
LOCATION: 1101 N Lincoln, Harper, Anthony, KS  
37 ° 9 ' 48.50 " N LAT. 98 ° 1 ' 34.60 " W LONG.

ANTENNA ID: 3.9 Meter 3.9 meters Patriot 3.9 Meter  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

**Points of Communication:**

Anthony - PERMITTED LIST - ()

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**SES-REG-20181016-05722** E E200411 KSTP-TV, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KSTP-TV, LLC  
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN  
44 ° 58 ' 6.98 " N LAT. 93 ° 12 ' 27.93 " W LONG.

ANTENNA ID: KSTP-TV 3.8 meters DH 3.8 METER  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

**Points of Communication:**

KSTP-TV, LLC - PERMITTED LIST - ()

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**SES-REG-20181016-05723** E E200412 Ramar Communications, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 2400 Monroe NE, Bernalillo, Albuquerque, NM  
35 ° 6 ' 20.80 " N LAT. 106 ° 35 ' 24.80 " W LONG.

ANTENNA ID: C-Band 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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**SES-REG-20181016-05724** E E200413 KSTP-TV, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: KSTP-TV, LLC  
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN  
44 ° 58 ' 8.33 " N LAT. 93 ° 12 ' 25.12 " W LONG.

ANTENNA ID: KSTP-TV 5 meters SIMULSAT SIMULSAT  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

**Points of Communication:**

KSTP-TV, LLC - PERMITTED LIST - ()

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**SES-REG-20181016-05725** E E200414 KSTP-TV, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KSTP-TV, LLC  
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN  
45 ° 3 ' 45.89 " N LAT. 93 ° 8 ' 23.12 " W LONG.

ANTENNA ID: KSTP-TV 4.5 meters PATRIOT 4.5 METER  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

**Points of Communication:**

KSTP-TV, LLC - PERMITTED LIST - ()

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**SES-REG-20181016-05726** E E200415 KSTP-TV, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KSTP-TV, LLC  
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN  
45 ° 3 ' 45.89 " N LAT. 93 ° 8 ' 23.12 " W LONG.

ANTENNA ID: KSTP-TV 3.2 meters SA SERIES 9000, 3.2  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

**Points of Communication:**

KSTP-TV, LLC - PERMITTED LIST - ()

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**SES-REG-20181016-05729** E E200418 Cowles Montana Media Company

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: KULR  
LOCATION: 2045 Overland Ave., Yellowstone, Billings, MT  
45 ° 45 ' 11.30 " N LAT. 108 ° 34 ' 6.50 " W LONG.

ANTENNA ID: 1 4.6 meters Vertex 4.6KPC  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

**Points of Communication:**

KULR - PERMITTED LIST - ()

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**SES-REG-20181016-05732** E E200421 Ramar Communications, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 9800 University Ave, Lubbock, Lubbock, TX  
33 ° 30 ' 16.50 " N LAT. 101 ° 52 ' 18.20 " W LONG.

ANTENNA ID: 1 5 meters Comtech 5.0M  
3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio, data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181016-05733** E E200422 Glasgow Broadcasting Corporation

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KLTZ Glasgow  
LOCATION: 504 2nd Ave South, Valley, Glasgow, MT  
48 ° 11 ' 40.20 " N LAT. 106 ° 38 ' 12.20 " W LONG.

ANTENNA ID: ANT1 3.2 meters Scientific Atlanta Series 9000  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Digital Aural

**Points of Communication:**

KLTZ Glasgow - PERMITTED LIST - ()

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**SES-REG-20181016-05736** E E200425 Cowles Montana Media Company

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: KFBB site  
LOCATION: 3200 Old Havre Highway, Cascade, Great Falls, MT  
47 ° 32 ' 6.67 " N LAT. 111 ° 17 ' 1.63 " W LONG.

ANTENNA ID: 1 4.5 meters Andres 4.5 Meter C-  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

**Points of Communication:**

KFBB site - PERMITTED LIST - ()

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**SES-REG-20181016-05737** E E200426 WBTX Radio, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WBTX STUDIO  
LOCATION: 166 MAIN STREET, ROCKINGHAM, BROADWAY, VA  
38 ° 36 ' 53.30 " N LAT. 78 ° 47 ' 55.10 " W LONG.

ANTENNA ID: COM38 3.8 meters COMTECH 3.8 M  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video  
3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with associated subcarriers  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

**Points of Communication:**

WBTX STUDIO - PERMITTED LIST - ()

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**SES-REG-20181016-05868** E E200558 Living Faith Ministries Inc

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1100 Sharps Ridge Memorial Park Drive, Knox, Knoxville, TN  
36 ° 0 ' 35.00 " N LAT. 83 ° 55 ' 57.63 " W LONG.

ANTENNA ID: 1 3 meters DH Satellite DH-HDP-3.0  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181016-05894** E E200584 The Calvary Bible Church of Lapeer

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WMPC

LOCATION: 1800 N, Lapeer Rd., Lapeer, Lapeer, MI

43 ° 4 ' 45.40 " N LAT.

83 ° 18 ' 39.70 " W LONG.

ANTENNA ID:	WMPC 1	4.2 meters	DH	42DH	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Digital audio and data
	3700.0000 - 4200.0000 MHz		36M0F8W	0.00 dBW	Analog audio
ANTENNA ID:	WMPC 2	3 meters	DH	30DH1	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Digital audio and data
	3700.0000 - 4200.0000 MHz		36M0F8W	0.00 dBW	Analog audio

**Points of Communication:**

WMPC - PERMITTED LIST - ()

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**SES-REG-20181016-06157** E E200845 Middle Tennessee State University

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Sat Shed Site 1

LOCATION: 1400 Greenland Drive, Rutherford, Murfreesboro, TN

35 ° 51 ' 1.50 " N LAT.

86 ° 21 ' 43.97 " W LONG.

ANTENNA ID:	ANT 1	3.7 meters	DH Satellite	3.7	
	3700.0000 - 4200.0000 MHz		36M0G7F		Digital compressed video with associated audio subcarriers

**Points of Communication:**

Sat Shed Site 1 - PERMITTED LIST - ()

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**SES-REG-20181016-06379** E E201030 PARISH COMMUNICATIONS

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Petoskey

LOCATION: 7792 Pickerel Lake Rd, Emmet, Petoskey, MI

45 ° 22 ' 34.53 " N LAT.

84 ° 48 ' 38.95 " W LONG.



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ANTENNA ID: Petoskey 3.7 meters Prodelin 1374  
3700.0000 - 4200.0000 MHz Petoskey 0.00 dBW Video

**Points of Communication:**

Petoskey - PERMITTED LIST - ()

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**SES-REG-20181016-06384** E E201034 Commonwealth Public Broadcasting Corporation

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Sesame Street Site

LOCATION: 23 Sesame Street, Chesterfield, Richmond, VA

37 ° 30 ' 45.50 " N LAT.

77 ° 36 ' 5.00 " W LONG.

ANTENNA ID: 3.8M 3.8 meters Comtech Unknown

3700.0000 - 4200.0000 MHz 36M0G7W DVB-S QPSK

**Points of Communication:**

Sesame Street Site - PERMITTED LIST - ()

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**SES-REG-20181016-06386** E E201036 Logan Broadcasting Corporation

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Site 1

LOCATION: 204 Main Street, Logan, Logan, WV

37 ° 50 ' 49.16 " N LAT.

81 ° 59 ' 33.25 " W LONG.

ANTENNA ID: Ant 1 3 meters Channel Master 6346

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio and video signals

ANTENNA ID: Ant 2 3 meters Winegard unknown

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio and video signals

**Points of Communication:**

Site 1 - PERMITTED LIST - ()

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**SES-REG-20181016-06392** E E201040 Ingstad Brothers Broadcasting, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: KNUJ Studio Location  
LOCATION: 317 North Minnesota, Brown, New Ulm, MN  
44 ° 19 ' 0.00 " N LAT. 94 ° 27 ' 45.58 " W LONG.

ANTENNA ID: ant1 3.8 meters Comtech 3.8 meter dual axis  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog digital video/audio with associated sub-carries

**Points of Communication:**

KNUJ Studio Location - PERMITTED LIST - ()

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**SES-REG-20181016-06449** E E201092 Iowa City Broadcasting Company, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KDMA Studio Location  
LOCATION: 4454 Highway 212 West, Chippewa, Montevideo, MN  
44 ° 56 ' 3.22 " N LAT. 95 ° 44 ' 47.86 " W LONG.

ANTENNA ID: ant1 3.8 meters Comtech 3.8 meter dual axis  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog digital video/audio with associated sub-carries

**Points of Communication:**

KDMA Studio Location - PERMITTED LIST - ()

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**SES-REG-20181016-06464** E E201107 NTS Communications, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Brownfield  
LOCATION: 1207 North Cedar Street, Terry, Brownfield, TX  
33 ° 11 ' 28.88 " N LAT. 102 ° 15 ' 25.70 " W LONG.

ANTENNA ID: Brown1-8 3.8 meters Patriot Patriot  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video

**Points of Communication:**

Brownfield - PERMITTED LIST - ()

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**SES-REG-20181017-03705** E E190072 Global Eagle Telecom Licensing Subsidiary LLC

Registration

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: ABR

LOCATION: 824 Brown County 14 South, Brown, Aberdeen, SD  
45 ° 27 ' 19.50 " N LAT. 98 ° 24 ' 50.00 " W LONG.

ANTENNA ID: ABR3.8 3.8 meters Comtech 934D0015-G2

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: ABQ

LOCATION: 2341 Clark Carr Loop, SE, Bernalillo, Albuquerque, NM  
35 ° 2 ' 15.36 " N LAT. 106 ° 37 ' 19.20 " W LONG.

ANTENNA ID: ABQ 3.8 3.8 meters Comtech 934D0015-G2

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: AFG

LOCATION: 2160 Koykuk Dr, Fairbanks North Star, Fairbanks, AK  
64 ° 51 ' 33.48 " N LAT. 147 ° 51 ' 3.24 " W LONG.

ANTENNA ID: AFG 7.3 7.3 meters Andrew ESC72

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: AJK

LOCATION: 8500 Mendenhall Loop Road, Juneau, Juneau, AK  
58 ° 24 ' 1.44 " N LAT. 134 ° 34 ' 10.92 " W LONG.

ANTENNA ID: AJK 7.3 7.3 meters Andrew ESC72

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: AKQ

LOCATION: 10009 General Mahone Highway, Sussex, WakeField, VA  
36 ° 59 ' 1.32 " N LAT. 77 ° 0 ' 27.36 " W LONG.

ANTENNA ID: AKQ 3.8 3.8 meters Comtech 934D0015-G2

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: ALY

LOCATION: 251 Fuller Road, Albany, Albany, NY  
42 ° 41 ' 30.48 " N LAT. 73 ° 49 ' 52.32 " W LONG.

ANTENNA ID: ALY 3.8 3.8 meters Comtech 934D0015-G2

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

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SITE ID: AMA  
 LOCATION: 1900 English Road, Potter, Amarillo, TX  
 35 ° 13 ' 57.00 " N LAT. 101 ° 42 ' 31.32 " W LONG.

ANTENNA ID: AMA 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: AFC  
 LOCATION: 6930 Sand Lake Rd., Anchorage, Anchorage, AK  
 61 ° 9 ' 24.84 " N LAT. 149 ° 59 ' 9.60 " W LONG.

ANTENNA ID: AFC 7.3 7.3 meters Andrew ESC72  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: APX  
 LOCATION: 8800 Passenheim Rd., Otsego, Gaylord, MI  
 44 ° 54 ' 25.92 " N LAT. 84 ° 43 ' 9.12 " W LONG.

ANTENNA ID: APX 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: ARX  
 LOCATION: N 2788 County Road FA, La Crosse, La Crosse, WI  
 43 ° 49 ' 20.28 " N LAT. 91 ° 11 ' 29.04 " W LONG.

ANTENNA ID: ARX 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: AWCN  
 LOCATION: 7220 N.W. 101st Terrace, Platte, Kansas City, MO  
 39 ° 16 ' 40.08 " N LAT. 94 ° 39 ' 43.92 " W LONG.

ANTENNA ID: AWCN 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BGM  
 LOCATION: 32 Dawes Drive, Broome, Johnson City, NY  
 42 ° 12 ' 41.04 " N LAT. 75 ° 59 ' 7.44 " W LONG.

ANTENNA ID: BGM 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BIS  
 LOCATION: 2301 University Drive #27, Burleigh, Bismarck, ND  
 46 ° 46 ' 18.48 " N LAT. 100 ° 45 ' 34.92 " W LONG.

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ANTENNA ID: BIS 3.8      3.8 meters      Comtech      934D0015-G2  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

SITE ID: ANCF  
 LOCATION: 1325 East-West Hwy., Montgomery, Silver Spring, MD  
 38 ° 59 ' 34.80 " N LAT.      77 ° 1 ' 51.24 " W LONG.

ANTENNA ID: ANCF 3.7      3.7 meters      Prodelin      1375-RXO  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

SITE ID: BMX  
 LOCATION: 465 Weathervane Road, Shelby, Calera, AL  
 33 ° 10 ' 44.76 " N LAT.      86 ° 46 ' 56.64 " W LONG.

ANTENNA ID: BMX 3.8      3.8 meters      Comtech      934D0015-G2  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

SITE ID: BOI  
 LOCATION: 3833 S. Development Avenue, Ada, Boise, ID  
 43 ° 34 ' 3.36 " N LAT.      116 ° 12 ' 40.68 " W LONG.

ANTENNA ID: BOI 3.8      3.8 meters      Comtech      934D0015-G2  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

SITE ID: BOU  
 LOCATION: 325 Broadway Road, Boulder, Boulder, CO  
 39 ° 59 ' 26.16 " N LAT.      105 ° 15 ' 50.40 " W LONG.

ANTENNA ID: BOU 3.7      3.7 meters      Prodelin      1375-RXO  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

SITE ID: BOX  
 LOCATION: 445 Miles Standish Blvd., Bristol, Norton, MA  
 41 ° 57 ' 19.08 " N LAT.      71 ° 8 ' 0.96 " W LONG.

ANTENNA ID: BOX 3.7      3.7 meters      General Dynamics      1374-1375  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

SITE ID: BRO  
 LOCATION: 20 South Vermillion Ave, Cameron, Brownsville, TX  
 25 ° 54 ' 58.32 " N LAT.      97 ° 25 ' 9.48 " W LONG.

ANTENNA ID: BRO 4.5      4.5 meters      Andrew      ES45C  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

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SITE ID: BLV  
 LOCATION: 102 West Losey Street, St. Clair, Belleville, IL  
 38 ° 32 ' 36.60 " N LAT. 89 ° 51 ' 59.40 " W LONG.

ANTENNA ID: BLV 3.7 3.7 meters Prodelin 1374  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BUF  
 LOCATION: 587 Aero Drive, Erie, Cheektowaga, NY  
 42 ° 56 ' 27.40 " N LAT. 78 ° 43 ' 10.50 " W LONG.

ANTENNA ID: BUF 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BYZ  
 LOCATION: 2170 Overland Ave., Yellowstone, Billings, MT  
 45 ° 45 ' 0.36 " N LAT. 108 ° 34 ' 10.92 " W LONG.

ANTENNA ID: BYZ 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: CAE  
 LOCATION: 2909 Aviation Way, Lexington, West Columbia, SC  
 33 ° 56 ' 44.52 " N LAT. 81 ° 7 ' 21.00 " W LONG.

ANTENNA ID: CAE 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: CAR  
 LOCATION: 810 Main St., Richland, Caribou, ME  
 46 ° 52 ' 5.20 " N LAT. 68 ° 0 ' 47.52 " W LONG.

ANTENNA ID: CAR 4.5 4.5 meters Andrew ES45C  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: CHS  
 LOCATION: 5777 South Aviation Avenue, Charleston, Charleston, SC  
 32 ° 53 ' 42.00 " N LAT. 80 ° 1 ' 39.72 " W LONG.

ANTENNA ID: CHS 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: BTV  
 LOCATION: 1200 Airport Drive, Chittenden, South Burlington, VT  
 44 ° 28 ' 24.24 " N LAT. 73 ° 8 ' 47.40 " W LONG.

ANTENNA ID:	BTV 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	COMT			
LOCATION:	3090 Center Green Drive, Boulder, Boulder, CO			
	39 ° 59 ' 26.16 " N LAT.			105 ° 15 ' 50.40 " W LONG.
ANTENNA ID:	COMT 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	CRP			
LOCATION:	426 Pinson Drive, Nueces, Corpus Christi, TX			
	27 ° 46 ' 44.04 " N LAT.			97 ° 30 ' 20.16 " W LONG.
ANTENNA ID:	CRP 4.5	4.5 meters	Andrew	ES45C
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	CTP			
LOCATION:	328 Innovation Boulevard, Centre, State Collage, AK			
	40 ° 49 ' 43.68 " N LAT.			77 ° 50 ' 48.84 " W LONG.
ANTENNA ID:	CTP 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	CYS			
LOCATION:	1301 Airport Parkway, Laramie, Cheyenne, WY			
	41 ° 9 ' 5.76 " N LAT.			104 ° 48 ' 20.52 " W LONG.
ANTENNA ID:	CYS 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	DDC			
LOCATION:	104 Airport Road, Ford, Dodge City, KS			
	37 ° 45 ' 38.88 " N LAT.			99 ° 58 ' 8.40 " W LONG.
ANTENNA ID:	DDC 3.7	3.7 meters	Prodelin	1375-RXO
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	CLE			
LOCATION:	5301 W Hangar Rd, Cuyahoga, Cleveland, OH			
	41 ° 24 ' 42.48 " N LAT.			81 ° 51 ' 37.08 " W LONG.
ANTENNA ID:	CLE 3.7	3.7 meters	General Dynamics	1374-1375
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data

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SITE ID: DMX  
LOCATION: 9607 NW Beaver Drive, Polk, Johnston, IA  
41 ° 44 ' 11.04 " N LAT. 93 ° 43 ' 25.32 " W LONG.

ANTENNA ID: DMX 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: DTX  
LOCATION: 9200 White Lake Road, Oakland, White Lake, MI  
42 ° 41 ' 52.44 " N LAT. 83 ° 28 ' 17.76 " W LONG.

ANTENNA ID: DTX 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: DVN  
LOCATION: 9040 Harrison Street, Scott, Davenport, IA  
41 ° 36 ' 42.12 " N LAT. 90 ° 34 ' 54.84 " W LONG.

ANTENNA ID: DVN 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: EAX  
LOCATION: 1803 North 7 Highway, Cass, Pleasant Hill, MO  
38 ° 48 ' 36.36 " N LAT. 94 ° 15 ' 52.56 " W LONG.

ANTENNA ID: EAX 3.7 3.7 meters Prodelin 1375-RXO  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: EHU  
LOCATION: 819 Taylor St., Tarrant, Fort Worth, TX  
32 ° 45 ' 1.80 " N LAT. 97 ° 19 ' 52.32 " W LONG.

ANTENNA ID: EHU 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: DLH  
LOCATION: 5027 Miller Trunk Highway, St. Louis, Duluth, MN  
46 ° 50 ' 14.28 " N LAT. 92 ° 12 ' 37.08 " W LONG.

ANTENNA ID: DLH 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: EPZ  
LOCATION: 7955 Airport Road, Do, Santa Teresa, NM  
31 ° 52 ' 22.08 " N LAT. 106 ° 41 ' 51.74 " W LONG.



ANTENNA ID:	EPZ 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	EWX			
LOCATION:	2090 Airport Road, Guadalupe, New Braunfels, TX			
	29 ° 42 ' 15.48 " N LAT.			98 ° 1 ' 44.76 " W LONG.
ANTENNA ID:	EWX 4.5	4.5 meters	Andrew	ES45C
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	FFC			
LOCATION:	4 Falcon Drive, Fayette, Peachtree City, GA			
	33 ° 21 ' 36.70 " N LAT.			84 ° 34 ' 3.60 " W LONG.
ANTENNA ID:	FFC 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	FGF			
LOCATION:	4797 Technology Circle, Grand Forks, Grand Forks, ND			
	47 ° 55 ' 17.76 " N LAT.			97 ° 5 ' 52.08 " W LONG.
ANTENNA ID:	FGF 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	FGZ			
LOCATION:	49 Hughes Ave, Coconino, Bellemont, AZ			
	35 ° 13 ' 48.36 " N LAT.			111 ° 49 ' 19.92 " W LONG.
ANTENNA ID:	FGZ 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	EKA			
LOCATION:	300 Startare Drive, Humboldt, Eureka, CA			
	40 ° 48 ' 36.00 " N LAT.			124 ° 9 ' 36.72 " W LONG.
ANTENNA ID:	EKA 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	FWD			
LOCATION:	3401 Northern Cross Boulevard, Tarrant, Fort Worth, TX			
	32 ° 50 ' 6.72 " N LAT.			97 ° 17 ' 56.04 " W LONG.
ANTENNA ID:	FWD 3.7	3.7 meters	Prodelin	1375-RXO
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data

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SITE ID: GGW  
LOCATION: 92 Airport Road, Valley, Glasgow, MT  
48 ° 12 ' 28.44 " N LAT. 106 ° 37 ' 49.08 " W LONG.

ANTENNA ID: GGW 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GID  
LOCATION: 6365 North Osborne Drive West, Adams, Hastings, NE  
40 ° 38 ' 49.92 " N LAT. 98 ° 23 ' 2.04 " W LONG.

ANTENNA ID: GID 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GJT  
LOCATION: 2844 Aviators Way, Mesa, Grand Junction, CO  
39 ° 7 ' 12.00 " N LAT. 108 ° 31 ' 28.92 " W LONG.

ANTENNA ID: GJT 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GLD  
LOCATION: 920 Armory Road, Sherman, Goodland, KS  
39 ° 21 ' 59.04 " N LAT. 101 ° 42 ' 1.08 " W LONG.

ANTENNA ID: GLD 3.7 3.7 meters Prodelin 1375-RXO  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: FSD  
LOCATION: 26 Weather Lane, Minnehaha, Sioux Falls, SD  
43 ° 35 ' 14.28 " N LAT. 96 ° 43 ' 48.00 " W LONG.

ANTENNA ID: FSD 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GRR  
LOCATION: 4899 Tim Dougherty Drive, Kent, Grand Rapids, MI  
42 ° 53 ' 35.52 " N LAT. 85 ° 32 ' 42.00 " W LONG.

ANTENNA ID: GRR 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: GSP  
LOCATION: 1549 GSP Drive, Greenville, Greer, SC  
34 ° 52 ' 59.88 " N LAT. 82 ° 13 ' 12.00 " W LONG.

ANTENNA ID:	GSP 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	GYX			
LOCATION:	1 Weather Lane, Cumberland, Grey, MA			
	43 ° 53 ' 33.00 " N LAT.			70 ° 15 ' 15.84 " W LONG.
ANTENNA ID:	GYX 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	HGX			
LOCATION:	1353 FM646, Galveston, Dickinson, TX			
	29 ° 28 ' 19.20 " N LAT.			95 ° 5 ' 0.24 " W LONG.
ANTENNA ID:	HGX 4.5	4.5 meters	Andrew	ES45C
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	HNX			
LOCATION:	900 Foggy Bottom Road, Kings, Hanford, CA			
	36 ° 18 ' 50.76 " N LAT.			119 ° 37 ' 54.84 " W LONG.
ANTENNA ID:	HNX 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	GRB			
LOCATION:	2485 South Point Road, Brown, Green Bay, WI			
	44 ° 29 ' 53.52 " N LAT.			88 ° 6 ' 41.04 " W LONG.
ANTENNA ID:	GRB 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	HUN			
LOCATION:	320 Sparkman Drive, Madison, Huntsville, AL			
	34 ° 43 ' 28.92 " N LAT.			86 ° 38 ' 41.64 " W LONG.
ANTENNA ID:	HUN 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	ICT			
LOCATION:	2142 South Tyler Road, Sedgwick, Wichita, KS			
	37 ° 39 ' 19.44 " N LAT.			97 ° 26 ' 35.88 " W LONG.
ANTENNA ID:	ICT 3.7	3.7 meters	Prodelin	1375-RXO
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data

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SITE ID: ILM  
LOCATION: 2015 Gardner Drive, New Hanover, Wilmington, NC  
34 ° 16 ' 33.96 " N LAT. 77 ° 54 ' 46.08 " W LONG.

ANTENNA ID: ILM 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: ILN  
LOCATION: 1901 South State Rd, Clinton, Wilmington, OH  
39 ° 25 ' 15.24 " N LAT. 83 ° 49 ' 18.12 " W LONG.

ANTENNA ID: ILN 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: ILX  
LOCATION: 1362 State Route 10, Logan, Lincoln, IL  
40 ° 9 ' 7.20 " N LAT. 89 ° 20 ' 18.24 " W LONG.

ANTENNA ID: ILX 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: HPCN  
LOCATION: 5830 University Research Court, Prince George, College Park, MD  
38 ° 58 ' 19.20 " N LAT. 76 ° 55 ' 31.10 " W LONG.

ANTENNA ID: HPCN 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: IWX  
LOCATION: 7506 E850N, Kosciusko, Syracuse, IN  
41 ° 21 ' 31.32 " N LAT. 85 ° 42 ' 3.24 " W LONG.

ANTENNA ID: IWX 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: JAN  
LOCATION: 234 Weather Service Drive, Rankin, Jackson, MS  
32 ° 19 ' 8.04 " N LAT. 90 ° 4 ' 48.00 " W LONG.

ANTENNA ID: JAN 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: JAX  
LOCATION: 13701 Fang Drive, Duval, Jacksonville, FL  
30 ° 29 ' 2.76 " N LAT. 81 ° 42 ' 5.40 " W LONG.



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SITE ID: LMK  
LOCATION: 6201 Theiler Lane, Jefferson, Louisville, KY  
38 ° 6 ' 53.28 " N LAT. 85 ° 38 ' 42.36 " W LONG.

ANTENNA ID: LMK 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LOT  
LOCATION: 333 West University Drive, Will, Romeoville, IL  
41 ° 36 ' 15.48 " N LAT. 88 ° 5 ' 3.84 " W LONG.

ANTENNA ID: LOT 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LBF  
LOCATION: 5250 East Lee Bird Drive, Lincoln, North Platte, NE  
41 ° 7 ' 57.72 " N LAT. 100 ° 42 ' 0.00 " W LONG.

ANTENNA ID: LBF 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LSX  
LOCATION: 12 Research Park Drive, St. Charles, St. Charles, MO  
38 ° 41 ' 55.68 " N LAT. 90 ° 40 ' 57.00 " W LONG.

ANTENNA ID: LSX 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LUB  
LOCATION: 2579 S Loop 289, Suite 100, Lubbock, Lubbock, TX  
33 ° 31 ' 41.16 " N LAT. 101 ° 52 ' 34.32 " W LONG.

ANTENNA ID: LUB 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LWX  
LOCATION: 43858 Weather Service Road, Loudoun, Sterling, VA  
38 ° 58 ' 36.48 " N LAT. 77 ° 29 ' 10.68 " W LONG.

ANTENNA ID: LWX 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: LZK  
LOCATION: 8400 Remount Road, Pulaski, North Little Rock, AR  
34 ° 50 ' 6.72 " N LAT. 92 ° 15 ' 34.20 " W LONG.

ANTENNA ID:	LZK 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	MAF			
LOCATION:	2500 Challenger Drive, Midland, Midland, TX			
	31 ° 56 ' 34.06 " N LAT.			102 ° 11 ' 20.40 " W LONG.
ANTENNA ID:	MAF 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	LOX			
LOCATION:	520 N Elevar Street, Ventura, Oxnard, LA			
	34 ° 12 ' 25.92 " N LAT.			119 ° 8 ' 14.64 " W LONG.
ANTENNA ID:	LOX 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	MFL			
LOCATION:	11691 SW 17th Street, Miami-Dade, Miami, FL			
	25 ° 45 ' 15.48 " N LAT.			80 ° 23 ' 0.60 " W LONG.
ANTENNA ID:	MFL 4.5	4.5 meters	Andrew	ES45C
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	MFR			
LOCATION:	4003 Cirrus Drive, Jackson, Medford, OR			
	42 ° 22 ' 37.56 " N LAT.			122 ° 52 ' 55.56 " W LONG.
ANTENNA ID:	MFR 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	MHX			
LOCATION:	533 Roberts Road, Carteret, Newport, NC			
	34 ° 46 ' 34.32 " N LAT.			76 ° 52 ' 37.92 " W LONG.
ANTENNA ID:	MHX 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data
SITE ID:	MKX			
LOCATION:	N3533 Hardscrabble Road, Jefferson, Dousman, WI			
	42 ° 58 ' 5.16 " N LAT.			88 ° 32 ' 57.12 " W LONG.
ANTENNA ID:	MKX 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36MOG7W	0.00 dBW
				Digital Data

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SITE ID: MLB  
LOCATION: 421 Croton Road, Brevard, Melbourne, FL  
28 ° 6 ' 49.32 " N LAT. 80 ° 39 ' 14.40 " W LONG.

ANTENNA ID: MLB 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MEG  
LOCATION: 7777 Walnut Grove Road, Shelby, Memphis, TN  
35 ° 7 ' 47.28 " N LAT. 89 ° 48 ' 13.32 " W LONG.

ANTENNA ID: MEG 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MPX  
LOCATION: 1733 Lake Drive West, Carver, Chanhassen, MN  
44 ° 50 ' 57.48 " N LAT. 93 ° 33 ' 53.66 " W LONG.

ANTENNA ID: MPX 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MQT  
LOCATION: 112 Airpark Drive South, Marquette, Negaunee, MI  
46 ° 31 ' 51.60 " N LAT. 87 ° 32 ' 54.60 " W LONG.

ANTENNA ID: MQT 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MRX  
LOCATION: 5974 Commerce Boulevard, Hamblen, Morristown, TN  
36 ° 10 ' 6.96 " N LAT. 83 ° 24 ' 7.20 " W LONG.

ANTENNA ID: MRX 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: MSO  
LOCATION: 6633 Aviation Way, Missoula, Missoula, MT  
46 ° 55 ' 28.20 " N LAT. 114 ° 5 ' 24.72 " W LONG.

ANTENNA ID: MSO 3.8 3.8 meters Comtech 934D0015-G2

SITE ID: MSO  
LOCATION: 6633 Aviation Way, Missoula, Missoula, MT  
46 ° 55 ' 28.20 " N LAT. 114 ° 5 ' 24.72 " W LONG.

ANTENNA ID: MSO 3.8 3.8 meters Comtech 934D0015-G2



3700.0000 - 4200.0000 MHz	36MOG7W	0.00 dBW	Digital Data
SITE ID: MOB			
LOCATION: 8400 Airport Boulevard Bldg 11, Mobile, Mobile, AL			
30 ° 40 ' 45.84 " N LAT.		88 ° 14 ' 22.56 " W LONG.	
ANTENNA ID: MOB 3.8	3.8 meters	Comtech	934D0015-G2
3700.0000 - 4200.0000 MHz	36MOG7W	0.00 dBW	Digital Data
SITE ID: NWCO			
LOCATION: 205 Hackberry La., Tuscaloosa, Tuscaloosa, AL			
33 ° 13 ' 3.50 " N LAT.		87 ° 32 ' 26.00 " W LONG.	
ANTENNA ID: NWCO 3.8	3.8 meters	Comtech	934D0015-G2
3700.0000 - 4200.0000 MHz	36MOG7W	0.00 dBW	Digital Data
SITE ID: OAX			
LOCATION: 6707 North 288th Street, Douglas, Valley, NE			
41 ° 19 ' 10.92 " N LAT.		96 ° 22 ' 2.64 " W LONG.	
ANTENNA ID: OAX 3.8	3.8 meters	Comtech	934D0015-G2
3700.0000 - 4200.0000 MHz	36MOG7W	0.00 dBW	Digital Data
SITE ID: OFF			
LOCATION: 101 Nelson Drivez, Sarpy, Bellevue, NE			
41 ° 7 ' 56.30 " N LAT.		95 ° 55 ' 3.70 " W LONG.	
ANTENNA ID: OFF 3.7	3.7 meters	Prodelin	1374
3700.0000 - 4200.0000 MHz	36MOG7W	0.00 dBW	Digital Data
SITE ID: OHX			
LOCATION: 500 Weather Station Road, Wilson, Old Hickory, TN			
36 ° 14 ' 50.64 " N LAT.		86 ° 33 ' 46.08 " W LONG.	
ANTENNA ID: OHX 3.8	3.8 meters	Comtech	934D0015-G2
3700.0000 - 4200.0000 MHz	36MOG7W	0.00 dBW	Digital Data
SITE ID: OKX			
LOCATION: 175 Brookhaven Avenue, Suffolk, Uptonc, NY			
40 ° 51 ' 55.08 " N LAT.		72 ° 51 ' 53.28 " W LONG.	
ANTENNA ID: OKX 3.8	3.8 meters	Comtech	934D0015-G2
3700.0000 - 4200.0000 MHz	36MOG7W	0.00 dBW	Digital Data

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SITE ID: MTR  
 LOCATION: 21 Grace Hopper Ave, Monterey, Monterey, CA  
 36 ° 35 ' 33.72 " N LAT. 121 ° 51 ' 20.16 " W LONG.

ANTENNA ID: MTR 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: OSFW  
 LOCATION: 1200 Westheimer Dr., Cleveland, Norman, OK  
 35 ° 14 ' 13.92 " N LAT. 97 ° 27 ' 37.08 " W LONG.

ANTENNA ID: OSFW 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: OTX  
 LOCATION: 2601 North Rambo Road, Spokane, Spokane, WA  
 47 ° 40 ' 52.32 " N LAT. 117 ° 37 ' 37.20 " W LONG.

ANTENNA ID: OTX 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: PAH  
 LOCATION: 8250 KY Hwy 3520, McCracken, West Paducah, KY  
 37 ° 4 ' 5.88 " N LAT. 88 ° 46 ' 21.00 " W LONG.

ANTENNA ID: PAH 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: PBP  
 LOCATION: 1845 Wasp Blvd., Bldg 176, Honolulu, Honolulu, HI  
 21 ° 22 ' 1.40 " N LAT. 157 ° 57 ' 45.30 " W LONG.

ANTENNA ID: PBP 7.6 7.6 meters ASC Signal ES76C-1  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: PBZ  
 LOCATION: 192 Shafer Road, Allegheny, Moon Township, PA  
 40 ° 31 ' 54.48 " N LAT. 80 ° 13 ' 2.28 " W LONG.

ANTENNA ID: PBZ 3.7 3.7 meters Prodelin 1375-RXO  
 3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: ORN  
 LOCATION: 62300 Airport Road, St. Tammany, Slidell, LA  
 30 ° 20 ' 13.92 " N LAT. 89 ° 49 ' 31.08 " W LONG.

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ANTENNA ID: ORN 4.5      4.5 meters      Andrew      ES45C  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

SITE ID: PHI  
 LOCATION: 732 Woodland Road, Burlington, Mt. Holly, NJ  
 40 ° 0 ' 48.24 " N LAT.      74 ° 49 ' 1.92 " W LONG.

ANTENNA ID: PHI 3.8      3.8 meters      Comtech      934D0015-G2  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

SITE ID: PIH  
 LOCATION: 1945 Beechcraft Ave., Power, Pocatello, ID  
 42 ° 54 ' 16.20 " N LAT.      112 ° 35 ' 26.50 " W LONG.

ANTENNA ID: PIH 3.8      3.8 meters      Comtech      934D0015-G2  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

SITE ID: PQR  
 LOCATION: 5241 NE 122nd Ave, Multnomah, Portland, OR  
 45 ° 33 ' 38.88 " N LAT.      122 ° 32 ' 18.60 " W LONG.

ANTENNA ID: PQR 3.8      3.8 meters      Comtech      934D0015-G2  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

SITE ID: PSR  
 LOCATION: 101 W Operations Drive, Maricopa, Tempe, AZ  
 33 ° 26 ' 35.50 " N LAT.      111 ° 56 ' 24.50 " W LONG.

ANTENNA ID: PSR 3.8      3.8 meters      Comtech      934D0015-G2  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

SITE ID: PUB  
 LOCATION: 3 Eaton Way, Pueblo, Pueblo, CO  
 38 ° 16 ' 47.28 " N LAT.      104 ° 31 ' 16.32 " W LONG.

ANTENNA ID: PUB 3.8      3.8 meters      Comtech      934D0015-G2  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

SITE ID: PDT  
 LOCATION: 2001 NW 56th Drive, Umatilla, Pendleton, OR  
 45 ° 41 ' 26.52 " N LAT.      118 ° 51 ' 9.72 " W LONG.

ANTENNA ID: PDT 3.8      3.8 meters      Comtech      934D0015-G2  
 3700.0000 - 4200.0000 MHz      36MOG7W      0.00 dBW      Digital Data

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SITE ID: REV  
LOCATION: 2350 Raggio Parkway, Washoe, Reno, NV  
39 ° 34 ' 5.88 " N LAT. 119 ° 47 ' 45.96 " W LONG.

ANTENNA ID: REV 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: RIW  
LOCATION: 12744 West US Highway 26, Fremont, Riverton, WY  
43 ° 3 ' 55.44 " N LAT. 108 ° 28 ' 39.00 " W LONG.

ANTENNA ID: RIW 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: RLX  
LOCATION: 400 Parkway Road, Kanawha, Charleston, WV  
38 ° 18 ' 47.16 " N LAT. 81 ° 43 ' 8.76 " W LONG.

ANTENNA ID: RLX 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: RNK  
LOCATION: 1750 Forecast Drive, Montgomery, Blackburg, VA  
37 ° 12 ' 14.40 " N LAT. 80 ° 24 ' 52.92 " W LONG.

ANTENNA ID: RNK 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: SEW  
LOCATION: 7600 Sand Point Way, NE., King, Seattle, WA  
47 ° 41 ' 13.56 " N LAT. 122 ° 15 ' 17.28 " W LONG.

ANTENNA ID: SEW 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: RAH  
LOCATION: 1005 Capabilty Dr., Wake, Raleigh, NC  
35 ° 46 ' 14.16 " N LAT. 78 ° 40 ' 51.96 " W LONG.

ANTENNA ID: RAH 3.8 3.8 meters Comtech 934D0015-G2  
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Data

SITE ID: SGF  
LOCATION: 5805 West Highway EE, Greene, Springfield, MO  
37 ° 14 ' 7.80 " N LAT. 93 ° 24 ' 4.68 " W LONG.

ANTENNA ID:	SGF 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data
SITE ID:	SGX			
LOCATION:	11440 W Bernardo Court Suite 230, San Diego, San Diego, CA			
	33 ° 1 ' 18.84 " N LAT.			117 ° 4 ' 55.56 " W LONG.
ANTENNA ID:	SGX 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data
SITE ID:	SHV			
LOCATION:	5655 Hollywood Avenue, Caddo, Shreveport, LA			
	32 ° 27 ' 3.60 " N LAT.			93 ° 50 ' 29.04 " W LONG.
ANTENNA ID:	SHV 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data
SITE ID:	SJT			
LOCATION:	7654 Knickerbocker Road, Tom Green, San Angelo, TX			
	31 ° 22 ' 13.80 " N LAT.			100 ° 29 ' 41.64 " W LONG.
ANTENNA ID:	SJT 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data
SITE ID:	SJU			
LOCATION:	4000 Carretera 190, Carolina, Carolina, PR			
	18 ° 25 ' 52.68 " N LAT.			65 ° 59 ' 33.00 " W LONG.
ANTENNA ID:	SJU 7.3	7.3 meters	Andrew	ESC72
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data
SITE ID:	SFMG			
LOCATION:	2101 NASA Parkway, Harris, Houston, TX			
	29 ° 33 ' 10.80 " N LAT.			95 ° 5 ' 36.96 " W LONG.
ANTENNA ID:	SFMG 4.5	4.5 meters	Andrew	ES45C
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data
SITE ID:	SPCN			
LOCATION:	120 David L. Boren Blvd., Cleveland, Norman, OK			
	35 ° 10 ' 52.00 " N LAT.			97 ° 26 ' 20.40 " W LONG.
ANTENNA ID:	SPCN 3.8	3.8 meters	Comtech	934D0015-G2
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital Data

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SITE ID: STO  
 LOCATION: 3310 El Camino Ave, Sacramento, Sacramento, CA  
 38 ° 36 ' 31.90 " N LAT. 121 ° 23 ' 14.60 " W LONG.

ANTENNA ID: STO 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: TAE  
 LOCATION: 1017 Academic Way, Leon, Tallahassee, FL  
 30 ° 26 ' 46.32 " N LAT. 84 ° 17 ' 58.20 " W LONG.

ANTENNA ID: TAE 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: TBW  
 LOCATION: 2525 14TH Avenue, S.E., Hillsborough, Ruskin, FL  
 27 ° 42 ' 19.08 " N LAT. 82 ° 24 ' 2.88 " W LONG.

ANTENNA ID: TBW 4.5 4.5 meters Andrew ES45C  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: TFX  
 LOCATION: 5324 Tri-Hill Frontage Road, Cascade, Great Falls, MT  
 47 ° 27 ' 40.32 " N LAT. 111 ° 23 ' 8.16 " W LONG.

ANTENNA ID: TFX 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: SLC  
 LOCATION: 2242 West North Temple, Salt Lake, Salt Lake City, UT  
 40 ° 46 ' 20.28 " N LAT. 111 ° 57 ' 19.08 " W LONG.

ANTENNA ID: SLC 3.7 3.7 meters Prodelin 1375-RXO  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: TSA  
 LOCATION: 10159 East 11th St., Tulsa, Tulsa, OK  
 36 ° 8 ' 56.76 " N LAT. 95 ° 51 ' 43.92 " W LONG.

ANTENNA ID: TSA 3.7 3.7 meters Prodelin 1375-RXO  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: TWC  
 LOCATION: 520 N Park Ave, Pima, Tucson, AZ  
 32 ° 13 ' 40.80 " N LAT. 110 ° 57 ' 20.88 " W LONG.

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ANTENNA ID: TWC 3.8      3.8 meters      Comtech      934D0015-G2  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      Digital Data

SITE ID: UNR  
 LOCATION: 300 East Signal Drive, Pennington, Rapid City, SD  
 44 ° 4 ' 23.16 " N LAT.      103 ° 12 ' 40.32 " W LONG.

ANTENNA ID: UNR 3.8      3.8 meters      Comtech      934D0015-G2  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      Digital Data

SITE ID: VEF  
 LOCATION: 7851 Dean Martin Drive, Clark, Las Vegas, NV  
 36 ° 2 ' 48.48 " N LAT.      115 ° 11 ' 4.92 " W LONG.

ANTENNA ID: VEF 3.8      3.8 meters      Comtech      934D0015-G2  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      Digital Data

SITE ID: TOP  
 LOCATION: 1116 NE Strait Ave., Shawnee, Topeka, KS  
 39 ° 4 ' 20.28 " N LAT.      95 ° 37 ' 49.80 " W LONG.

ANTENNA ID: TOP 3.7      3.7 meters      Prodelin      1375-RXO  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      Digital Data

SITE ID: EMWIN (NWS1)  
 LOCATION: 1325 East West Highway, Montgomery, Silver Spring, MD  
 38 ° 59 ' 35.16 " N LAT.      77 ° 1 ' 51.96 " W LONG.

ANTENNA ID: EMWIN 2.4      2.4 meters      GD SATCOM      1241  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      Digital Data

SITE ID: FLEWEACEN-N  
 LOCATION: 9141 Third Avenue, BLDG U-117, Norfolk City, Norfolk, VA  
 36 ° 56 ' 26.88 " N LAT.      76 ° 18 ' 0.72 " W LONG.

ANTENNA ID: FLEW-D 3.8      3.8 meters      DH Satellite      DH38FAE-4P  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      Digital Data

SITE ID: FLEWEACEN-SD  
 LOCATION: Fleet Weather Center San Diego, Bldg 14, San Diego, San Diego, CA  
 32 ° 42 ' 39.24 " N LAT.      117 ° 12 ' 0.35 " W LONG.

ANTENNA ID: FLEW-SD3.8      3.8 meters      DH Satellite      DH38FAE-4P  
 3700.0000 - 4200.0000 MHz      36M0G7W      0.00 dBW      Digital Data

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SITE ID: VHW  
 LOCATION: 125 S. State Street, Salt Lake, Salt Lake City, UT  
 40 ° 46 ' 0.12 " N LAT. 111 ° 53 ' 12.84 " W LONG.

ANTENNA ID: VHW 3.8 3.8 meters Comtech 934D0015-G2  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: VUY  
 LOCATION: 630 Johnson Ave, Suffolk, Bohemia, NY  
 40 ° 46 ' 49.08 " N LAT. 73 ° 5 ' 50.64 " W LONG.

ANTENNA ID: VUY 3.7 3.7 meters Prodelin 1375-RXO  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: MEMA (NWWS5)  
 LOCATION: 5401 Rue Saint Lo Dr., Baltimore, Reisterstown, MD  
 39 ° 29 ' 59.28 " N LAT. 76 ° 50 ' 18.24 " W LONG.

ANTENNA ID: MEMA 2.4 2.4 meters GD SATCOM 1241  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: NTWC (NWWS3)  
 LOCATION: 910 South Felton Street Palmer, Matanuska-Susitna, Palmer, AK  
 61 ° 35 ' 52.20 " N LAT. 149 ° 7 ' 59.00 " W LONG.

ANTENNA ID: NTWC 3.8 3.8 meters GD SATCOM 1385  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: NWWS SPC (NWWS2)  
 LOCATION: 120 David L. Boren Blvd., Cleveland, Norman, OK  
 35 ° 10 ' 52.04 " N LAT. 97 ° 26 ' 20.40 " W LONG.

ANTENNA ID: NWWS 2.4 2.4 meters GD SATCOM 1241  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: MDOT (NWWS4)  
 LOCATION: 2701 Prospect Ave, Lewis and Clark, Helena, MT  
 46 ° 35 ' 18.90 " N LAT. 111 ° 59 ' 34.10 " W LONG.

ANTENNA ID: MDOT 2.4 2.4 meters GD SATCOM 1241  
 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

SITE ID: PEM (NWWS6)  
 LOCATION: 1310 Elmerton Ave., Dauphin, Harrisburg, PA  
 40 ° 17 ' 48.48 " N LAT. 76 ° 52 ' 6.60 " W LONG.



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ANTENNA ID: PEM 2.4 2.4 meters GD SATCOM 1241  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data

**Points of Communication:**

ABQ - PERMITTED LIST - ()  
ABR - PERMITTED LIST - ()  
AFC - PERMITTED LIST - ()  
AFG - PERMITTED LIST - ()  
AJK - PERMITTED LIST - ()  
BOU - PERMITTED LIST - ()  
BRO - PERMITTED LIST - ()  
CAR - PERMITTED LIST - ()

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**SES-REG-20181017-06668** E E201286 KXLE, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KXLE

LOCATION: 1311 Vantage Highway, Kittitas, Ellensburg, WA  
47 ° 0 ' 8.88 " N LAT.

120 ° 31 ' 35.02 " W LONG.

ANTENNA ID: 1 3.7 meters Channel Master TERO  
3700.0000 - 4200.0000 MHz 36M0G7D

**Points of Communication:**

KXLE - PERMITTED LIST - ()

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**SES-REG-20181017-06711** E E201328 Bee Broadcasting ,Inc

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Kalispell

LOCATION: 2432 US Hwy 2 E, Flathead, Kalispell, MT  
48 ° 14 ' 2.56 " N LAT.

114 ° 16 ' 37.91 " W LONG.

ANTENNA ID: ant3.8 3.8 meters Patriot ant3.8  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Audio

**Points of Communication:**

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Kalispell - PERMITTED LIST - ()

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**SES-REG-20181017-07031** E E201639 Gold Standard Broadcasting, Inc

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Radio PC

LOCATION: 700 W. 23rd Street, Bay, Panama City, FL

30 ° 11 ' 29.00 " N LAT.

85 ° 40 ' 16.00 " W LONG.

ANTENNA ID: RADIO PC 3.7 meters Dawnco Patriot

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio Services

**Points of Communication:**

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Radio PC - PERMITTED LIST - ()

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**SES-REG-20181017-07051** E E201661 RCR of Randolph County, Ltd

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: wzoo

LOCATION: 2641 Lazy Pine Rd, Randolph, Randleman, NC

35 ° 45 ' 50.00 " N LAT.

79 ° 50 ' 4.00 " W LONG.

ANTENNA ID: 1 3.7 meters DH Satellite 3.7

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

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wzoo - PERMITTED LIST - ()

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**SES-REG-20181017-07052** E E201662 Darren B Perkins

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KXCV

LOCATION: 800 University Drive, Nodway, Maryville, MO

40 ° 21 ' 12.60 " N LAT.

94 ° 52 ' 56.70 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin

3700.0000 - 4200.0000 MHz 3610G7W

**Points of Communication:**

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KXCV - PERMITTED LIST - ()

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**SES-REG-20181017-07088** E E201689 Mark III Media, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Casper

LOCATION: 1856 Skyview Drive, Casper, WY

42 ° 52 ' 21.68 " N LAT.

106 ° 21 ' 18.27 " W LONG.

ANTENNA ID:	4.5m	4.5 meters	Andrew	ESA45-4A
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital video/TV
ANTENNA ID:	3.6m	3.6 meters	AFC	PR-12
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW
				Digital video/TV

**Points of Communication:**

Casper - GALAXY 16 (S2687) - (99 W.L.)

Casper - GALAXY 18 (S2733) - (123 W.L.)

Casper - GALAXY 19 (S2647) - (97 W.L.)

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

Casper - GALAXY 3C (S2381) - (95.05 W.L.)

Casper - PERMITTED LIST - ()

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

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**SES-REG-20181019-07154** E E201744 NRJ TV Boston License Co, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WMFP Newton

LOCATION: Middlesex, Newton, MA

42 ° 18 ' 29.00 " N LAT.

71 ° 13 ' 26.00 " W LONG.

ANTENNA ID:	1	3.8 meters	Patriot	AE3.8
	3700.0000 - 4200.0000 MHz		36M0G7W	
				QPSK or 8PSK

**Points of Communication:**

WMFP Newton - PERMITTED LIST - ()

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**SES-REG-20181022-05735** E E200424 WRCJ-FM, Detroit Classical and Jazz Educational Radio, LLC.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Oak Park Transmitter

LOCATION: 20931 Meyers, Oakland, Oak Park, MI

42 ° 26 ' 51.40 " N LAT.

83 ° 10 ' 21.20 " W LONG.

ANTENNA ID: 3.7M 3.7 meters DH Satellite DH-37AE

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog and Digital audio services

**Points of Communication:**

Oak Park Transmitter - PERMITTED LIST - ()

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**SES-REG-20181022-07145** E E201734 Word Broadcasting Network, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 61015

LOCATION: 6301 Moser Knob RD, Floyds Knobs, KY

38 ° 21 ' 55.00 " N LAT.

85 ° 50 ' 24.00 " W LONG.

ANTENNA ID: ANT1 4 meters General Dynamics 1385

3700.0000 - 4200.0000 MHz 36M0G7W digital

**Points of Communication:**

61015 - PERMITTED LIST - ()

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**SES-REG-20181022-07146** E E201735 Word Broadcasting Network, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 61026

LOCATION: 3201 Dickerson Pike, Nashville, TN

36 ° 14 ' 5.46 " N LAT.

86 ° 45 ' 19.49 " W LONG.

ANTENNA ID: ANT1 4 meters General Dynamics 1385

3700.0000 - 4200.0000 MHz 36M0G7W digital

**Points of Communication:**

61026 - PERMITTED LIST - ()

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**SES-REG-20181022-07170** E E201760 Jim McCollum

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Site 1

LOCATION: Fairgrounds Ave, Union, Clayton, NM

36 ° 26 ' 38.10 " N LAT.

103 ° 11 ' 26.80 " W LONG.

ANTENNA ID: Ant 1 3.7 meters PRODELIN 1374

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW digital

**Points of Communication:**

Site 1 - PAS-3R - (43.0 W.L.)

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**SES-REG-20181023-07007** E E201615 Infostructure Inc

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: HUMBOLDT

LOCATION: 3620 Ocoma Way, GIBSON, HUMBOLDT, TN

35 ° 50 ' 17.00 " N LAT.

88 ° 53 ' 40.00 " W LONG.

ANTENNA ID: 1 3.7 meters DH D37F48-5.5

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

ANTENNA ID: 2 3.7 meters Patriot Unknown

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

ANTENNA ID: 1 3.7 meters DH Unknown

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

ANTENNA ID: 3 5 meters Unknown Unknown

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

ANTENNA ID: 4 3 meters Unknown Unknown

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

**Points of Communication:**

HUMBOLDT - PERMITTED LIST - ()

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**SES-REG-20181023-07128** E E201717 BUDD BROADCASTING CO., INC.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Site 1

LOCATION: 8675 Hogan Rd, Duval, Jacksonville, FL

30 ° 16 ' 51.00 " N LAT.

81 ° 34 ' 12.20 " W LONG.

ANTENNA ID: ANT1 1.8 meters DAWNco Dawn 1.8

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog video with associated subcarriers

**Points of Communication:**

Site 1 - PERMITTED LIST - ()

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**SES-REG-20181023-07179** E E201770 NASA

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: K7-1205F

LOCATION: Building M7-0360; Mailstop IT-D1, USA, Kennedy Space Center, FL

28 ° 34 ' 53.00 " N LAT.

80 ° 38 ' 45.00 " W LONG.

ANTENNA ID: KSC 4 meters Unknown Unknown

3700.0000 - 4200.0000 MHz 36M0G7D 0.00 dBW Video

**Points of Communication:**

K7-1205F - GALAXY 13 (S2386) - (127 W.L.)

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**SES-REG-20181026-07184** E E201777 The Ohio State University

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: DH 3.0

LOCATION: 1318 Kinnear Road, Franklin, Columbus, OH

40 ° 0 ' 9.20 " N LAT.

83 ° 2 ' 41.90 " W LONG.

ANTENNA ID: 3.0M 3 meters DH 3.0M

3700.0000 - 4200.0000 MHz 30K0F3W Digital / analog traffic, various FEC, data rates and modulation

3700.0000 - 4200.0000 MHz	36M0F3W	Digital / analog traffic, various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz	30K0G7W	Digital traffic, various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz	36M0G7W	Digital traffic, various FEC, data rates and modulation

**Points of Communication:**

DH 3.0 - PERMITTED LIST - ()

**SES-REG-20181026-07188** E E201781 Bristol Broadcasting Co., Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Bristol Studios

LOCATION: 901 East Valley Drive, Bristol City, BRISTOL, VA

37 ° 0 ' 51.00 " N LAT.

88 ° 36 ' 53.40 " W LONG.

ANTENNA ID: Ant 1 4.5 meters AMERICAN ANTENNAS, INC TVRO- 4.5

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

**Points of Communication:**

Bristol Studios - PERMITTED LIST - ()

**SES-REG-20181026-07190** E E201783 Bristol Broadcasting Co., Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Marion Studios

LOCATION: 1041 Radio Hill Road, Smyth, Marion, VA

36 ° 51 ' 22.00 " N LAT.

81 ° 30 ' 18.00 " W LONG.

ANTENNA ID: Ant 1 4.5 meters AMERICAN ANTENNAS, INC TVRO- 4.5

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

**Points of Communication:**

Marion Studios - PERMITTED LIST - ()

**SES-REG-20181026-07193** E E201786 Bristol Broadcasting Co., Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: Huntington Studios  
LOCATION: 703 3rd Avenue, Cabell, Huntington, WV  
38 ° 25 ' 16.00 " N LAT. 82 ° 26 ' 50.00 " W LONG.

ANTENNA ID: Ant 1 4.5 meters AMERICAN ANTENNAS, INC TVRO- 4.5  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

**Points of Communication:**

Huntington Studios - PERMITTED LIST - ()

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**SES-REG-20181027-07195** E E201788 WYRS Broadcasting

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Satellite Digital Audio Radio Service

SITE ID: Manahawkin WYRS Stud  
LOCATION: Lighthouse Dr., Ocean, Manahawkin, NJ  
39 ° 43 ' 15.00 " N LAT. 74 ° 16 ' 41.00 " W LONG.

ANTENNA ID: 3.1m 3.1 meters Patriot Patriot 3.1m  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DVB-S

**Points of Communication:**

Manahawkin WYRS Stud - SES-2 (S2826) - (87 W.L.)

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**SES-REG-20181029-07101** E E201702 Anne's Entertainment Vision, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WCRS Studio  
LOCATION: 637 Durst Ave East, Greenwood, Greenwood, SC  
34 ° 12 ' 33.20 " N LAT. 82 ° 9 ' 3.70 " W LONG.

ANTENNA ID: MainRec 3.1 meters Kaul-Tronics XTI-10  
3700.0000 - 4200.0000 MHz 2M45G7W 0.00 dBW DVB-S Receive Digital Audio and Data  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio and Data  
3700.0000 - 4200.0000 MHz 300K0G7W 0.00 dBW Digital Audio and Data

**Points of Communication:**

WCRS Studio - PERMITTED LIST - ()

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**SES-REG-20181029-07212** E E201805 Chirillo Electronics, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KMCR

LOCATION: 405 East Norman Street, Montgomery, Montgomery City, MO

38 ° 59 ' 9.60 " N LAT.

91 ° 30 ' 38.90 " W LONG.

ANTENNA ID:	3.7M	3.7 meters	SAMI	SAMI-12
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital traffic, various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		30K0G7W	Digital traffic, various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		36M0F3W	Digital / analog traffic, various FEC, data rates and modulation
	3700.0000 - 4200.0000 MHz		30K0F3W	Digital / analog traffic, various FEC, data rates and modulation

**Points of Communication:**

KMCR - PERMITTED LIST - ()

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**SES-REG-20181029-07215** E E201808 KSBJ EDUCATIONAL FOUNDATION

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 7516 Fairbanks North Houston, Harris, Houston, TX

29 ° 53 ' 13.60 " N LAT.

95 ° 31 ' 22.10 " W LONG.

ANTENNA ID:	3.8M	3.8 meters	Prodelin	1372
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital traffic, various FEC, data rates and modulations

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181029-07217** E E201810 Missouri Southern State University

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: MSSU Radio Site  
LOCATION: 3950 E Newman Road, Jasper, Joplin, MO  
37 ° 5 ' 50.00 " N LAT. 94 ° 27 ' 33.00 " W LONG.

ANTENNA ID: FMAntenna2 1 meters Norstat International Inc. 4206A  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Audio  
ANTENNA ID: FMAntenna1 3 meters TBDant3.0 ant3.0  
3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Audio with associated subcarriers

**Points of Communication:**

MSSU Radio Site - PERMITTED LIST - ()

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**SES-REG-20181029-07222** E E201815 2G Media, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WZGC Sat Dish  
LOCATION: 1100 Tar Heel Road, Mecklenburg, Charlotte, NC  
35 ° 16 ' 2.72 " N LAT. 80 ° 54 ' 10.19 " W LONG.

ANTENNA ID: WZGC Sat D 3.7 meters Viking Satcom VS-370PFHE  
3700.0000 - 4200.0000 MHz 6K00G7W 0.00 dBW DIGITAL AUDIO AND DATA

**Points of Communication:**

WZGC Sat Dish - PERMITTED LIST - ()

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**SES-REG-20181030-07229** E E201822 Ronald K Witcher ( d/b/a Lampasas Radio )

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KCYL Sat  
LOCATION: 505 N. Key 505 N. Key, Lampasas, Lampasas, TX  
31 ° 4 ' 16.44 " N LAT. 98 ° 11 ' 5.84 " W LONG.

ANTENNA ID: Ant 1 4.5 meters  
3700.0000 - 4200.0000 MHz

ANTENNA ID: Ant 2 4.5 meters  
3700.0000 - 4200.0000 MHz

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**Points of Communication:**

KCYL Sat - PERMITTED LIST - ()

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**SES-REG-20181030-07238** E E201831 AGM California, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: AGM BAK

LOCATION: 1400 Easton Drive Suite 133, Kern, Bakersfield, CA  
35 ° 22 ' 11.70 " N LAT. 119 ° 2 ' 39.50 " W LONG.

ANTENNA ID: Ant 1 3.8 meters Patriot PRT-380  
3700.0000 - 4200.0000 MHz 36M0G7W digital audio and video

**Points of Communication:**

AGM BAK - PERMITTED LIST - ()

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**SES-REG-20181030-07243** E E201836 Faye and Richard Tuck, Inc

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Site1

LOCATION: 711 Ferris Avenue, Ellis, Waxahachie, TX  
32 ° 23 ' 40.60 " N LAT. 96 ° 50 ' 49.80 " W LONG.

ANTENNA ID: ANT1 3.9 meters Prodelin 2120  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Audio

**Points of Communication:**

Site1 - PERMITTED LIST - ()

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**SES-REG-20181030-07248** E E201841 First Media Services, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WKQR Studio

LOCATION: 213 Moran Avenue, Wyoming, Mullens, WV  
37 ° 35 ' 2.00 " N LAT. 81 ° 22 ' 51.00 " W LONG.

ANTENNA ID: ANT1 3.8 meters Comtech 829066-G2RC  
3700.0000 - 4200.0000 MHz 36M0G7W Broadcast Digital Audio and Video

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**Points of Communication:**

WKQR Studio - PERMITTED LIST - ()

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**SES-REG-20181030-07273** E E201867 ReelzChannel LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Albuquerque Studios

LOCATION: 5650 University BLv. SE, Bernalillo County, Albuquerque, NM

34 ° 59 ' 20.07 " N LAT.

106 ° 36 ' 45.90 " W LONG.

ANTENNA ID: DH 4.5 4.5 meters DH 45M

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

**Points of Communication:**

Albuquerque Studios - PERMITTED LIST - ()

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**SES-REG-20181030-07276** E E201870 Henson Media, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Site 1

LOCATION: 1339 US 60-W 1339 US 60-W, Union, Morganfield, KY

37 ° 40 ' 4.60 " N LAT.

87 ° 55 ' 49.20 " W LONG.

ANTENNA ID: ANT1 3.5 meters TEK 2000

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation & services Analog Video with associated subcarriers

**Points of Communication:**

Site 1 - PERMITTED LIST - ()

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**SES-REG-20181031-06599** E E201216 Churchill County Telephone dba CC Communications

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 903 S. Maine Street, Churchill, Fallon, NV

39 ° 27 ' 59.88 " N LAT.

118 ° 46 ' 31.28 " W LONG.

ANTENNA ID: 1 4.5 meters ViaSat 8345 PF

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Video Carrier
SITE ID: 2			
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV			
39 ° 27 ' 59.68 " N LAT.		118 ° 46 ' 31.23 " W LONG.	
ANTENNA ID: 2	4.5 meters	ViaSat	8345 PF
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Standard Video Carrier
SITE ID: 3			
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV			
39 ° 27 ' 59.87 " N LAT.		118 ° 46 ' 31.02 " W LONG.	
ANTENNA ID: 3	4.5 meters	ViaSat	8345 PF
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Video Carrier
SITE ID: 4			
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV			
39 ° 27 ' 59.85 " N LAT.		118 ° 46 ' 30.51 " W LONG.	
ANTENNA ID: 4	3.7 meters	Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Video Carrier
SITE ID: 5			
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV			
39 ° 28 ' 0.00 " N LAT.		118 ° 46 ' 30.38 " W LONG.	
ANTENNA ID: 5	3.7 meters	Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Video Carrier
SITE ID: 6			
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV			
39 ° 27 ' 59.68 " N LAT.		118 ° 46 ' 30.70 " W LONG.	
ANTENNA ID: 6	3.7 meters	Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Video Carrier
SITE ID: 7			
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV			
39 ° 27 ' 59.68 " N LAT.		118 ° 46 ' 30.94 " W LONG.	
ANTENNA ID: 7	4.5 meters	ViaSat	8345 PF
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Video Carrier

**Points of Communication:**

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1 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()

3 - PERMITTED LIST - ()

4 - PERMITTED LIST - ()

5 - PERMITTED LIST - ()

6 - PERMITTED LIST - ()

7 - PERMITTED LIST - ()

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**SES-REG-20181031-06702** E E201319 Trinity Media Ltd.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WLNL1

LOCATION: 3134 Lake Road, Chemung, Horseheads, NY

42 ° 8 ' 30.20 " N LAT.

76 ° 48 ' 49.10 " W LONG.

ANTENNA ID: WLNL1 3.6 meters Prodelin 12C576

3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio & Video

**Points of Communication:**

WLNL1 - PERMITTED LIST - ()

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**SES-REG-20181031-07209** E E201802 Eagle's Nest Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Site 1

LOCATION: 6855 HWY 431, Randolph, Roanoke, AL

33 ° 11 ' 7.52 " N LAT.

85 ° 24 ' 12.07 " W LONG.

ANTENNA ID: ANT1 5.5 meters TBDant5.5 Tvro 5.5

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with Associated Subcarriers

**Points of Communication:**

Site 1 - PERMITTED LIST - ()

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**SES-REG-20181031-07319** E E201914 Campbellsville University

Registration

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: Site 1

LOCATION: 203 W. Broadway, Cambellsville, KY

37 ° 20 ' 28.30 " N LAT.

85 ° 20 ' 51.40 " W LONG.

ANTENNA ID: unknown

3700.0000 - 4200.0000 MHz

36M0G7W

**Points of Communication:**

Site 1 - PERMITTED LIST - ()

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**SES-REG-20181101-07356** E E201951 Cherokee Broadcasting Company

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Dish 1

LOCATION: 195 Hampton Church Rd, Cherokee, Murphy, NC

35 ° 3 ' 59.90 " N LAT.

83 ° 59 ' 57.82 " W LONG.

ANTENNA ID: Dish 1

3 meters

DH Satellite

3700.0000 - 4200.0000 MHz

**Points of Communication:**

Dish 1 - PERMITTED LIST - ()

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**SES-REG-20181109-07287** E E201882 Gorge Country Media, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Main Office

LOCATION: 620 E 3rd St, Wasco, The Dalles, OR

45 ° 35 ' 53.00 " N LAT.

121 ° 10 ' 40.00 " W LONG.

ANTENNA ID: Main Offic

3.048 meters

Columbia

Not Sure

3700.0000 - 4200.0000 MHz

36M0G7W

Audio

**Points of Communication:**

Main Office - PERMITTED LIST - ()

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**SES-REG-20181111-07360** E E201955 Legacy Broadcasting, LLC

Registration

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 52046

LOCATION: 232 Knoe Tower Rd, Caldwell, Columbia, LA  
32 ° 11 ' 51.00 " N LAT.

92 ° 4 ' 14.00 " W LONG.

ANTENNA ID: 1 3.7 meters

D37F48-4PC-5.5

3700.0000 - 4200.0000 MHz

**Points of Communication:**

52046 - PERMITTED LIST - ()

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**SES-REG-20181111-07362** E E201957 Legacy Broadcasting of Rapid City, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 17688

LOCATION: 1629 Skyline Drive, Pennington, Rapid City, SD  
44 ° 4 ' 13.34 " N LAT.

103 ° 15 ' 2.61 " W LONG.

ANTENNA ID: SES1 3.8 meters

3700.0000 - 4200.0000 MHz

**Points of Communication:**

17688 - PERMITTED LIST - ()

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**SES-REG-20181127-06780** E E201403 West Virginia Radio Corporation of Charleston

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Charleston

LOCATION: 1111 Virginia Street East, Kanawha, Charleston, WV  
38 ° 20 ' 45.76 " N LAT.

81 ° 37 ' 57.67 " W LONG.

ANTENNA ID: Chas 2.7 meters Channel Master na

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital

**Points of Communication:**

Charleston - PERMITTED LIST - ()

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