



# PUBLIC NOTICE

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

News media information 202-418-0500  
Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)  
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Report No. SES-02074

Wednesday June 27, 2018

## Satellite Communications Services Information

### re: Actions Taken

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

**SES-AMD-20180427-00401** E E170205 Alaska Communications Internet, LLC  
Amendment  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Other

**Nature of Service:** Fixed Satellite Service

SITE ID: HUB  
LOCATION: 8500 Dimond D Circle (3.8METER), Anchorage, Anchorage, AK  
61 ° 8 ' 28.40 " N LAT. 149 ° 52 ' 30.70 " W LONG.

ANTENNA ID:	HUB	3.8 meters	General Dynamics	1383	
	5929.0000 - 6001.0000 MHz		7M00G7W	58.40 dBW	DVB-S2, 16APSK
	5929.0000 - 6001.0000 MHz		9M50G7W	58.40 dBW	DVB-S2, 16APSK
	5929.0000 - 5944.8500 MHz		3M00G7W	58.40 dBW	32APSK
	3704.0000 - 3776.0000 MHz		4M70G7W		32APSK
	3704.0000 - 3776.0000 MHz		3M20G7W		QPSK

SITE ID: 1  
LOCATION: 100 Harbor View Drive (3.8M.) VSAT, St. Paul, St. Paul, AK  
57 ° 7 ' 23.00 " N LAT. 170 ° 16 ' 45.00 " W LONG.

ANTENNA ID:	1	3.8 meters	General Dynamics	1383	
	5929.0000 - 6001.0000 MHz		3M20G7W	47.90 dBW	DVB-S2, QPSK
	3704.0000 - 3776.0000 MHz		9M50G7W		16APSK

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SITE ID: 2  
LOCATION: 600 Telephone Ave. (2.4M.) VSAT, Anchorage, Anchorage, AK  
61 ° 11 ' 10.50 " N LAT. 149 ° 52 ' 15.57 " W LONG.

ANTENNA ID: 2 2.4 meters Prodelin 1244  
5929.0000 - 5944.8500 MHz 4M70G7W 51.20 dBW 8PSK  
3704.0000 - 3776.0000 MHz 3M00G7W 32APSK

SITE ID: 3  
LOCATION: EXCURSION INLET, HAINES BOROUGH, EXCURSION INLET, AK  
58 ° 24 ' 55.30 " N LAT. 135 ° 26 ' 36.40 " W LONG.

ANTENNA ID: 3 2.4 meters PRODELIN 1244  
5929.0000 - 6001.0000 MHz 5M60G7W 51.30 dBW 8APSK  
3704.0000 - 3776.0000 MHz 3M80G7W 16APSK

SITE ID: 4  
LOCATION: KODIAK ISLAND, ALITAK, AK  
56 ° 53 ' 52.20 " N LAT. 154 ° 14 ' 43.00 " W LONG.

ANTENNA ID: 4 2.4 meters PRODELIN 1244  
5929.0000 - 6001.0000 MHz 5M60G7W 52.00 dBW 8APSK  
3704.0000 - 3776.0000 MHz 3M80G7W 16APSK

SITE ID: 5  
LOCATION: NAKNEK, BRISTOL BAY, NAKNEK, AK  
58 ° 43 ' 43.70 " N LAT. 157 ° 0 ' 0.90 " W LONG.

ANTENNA ID: 5 2.4 meters PRODELIN 1244  
5929.0000 - 6001.0000 MHz 5M60G7W 52.10 dBW 8APSK  
3704.0000 - 3776.0000 MHz 3M80G7W 16APSK

**Points of Communication:**

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

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

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

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

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

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

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**SES-AMD-20180516-00625** E E865016 WLS Television, Inc.

Amendment

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 190 N. STATE ST., COOK, CHICAGO, IL

41 ° 53 ' 7.00 " N LAT.

87 ° 37 ' 42.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-4
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier and Information
	3700.0000 - 4200.0000 MHz		36M0F8W	Analog Programming Information
ANTENNA ID:	3	4.6 meters	VERTEX	4.6
	3700.0000 - 4200.0000 MHz		36M0F8W	Analog Programming Information
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier and Information
ANTENNA ID:	4	3.1 meters	PATRIOT	PRT-310
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier and Information
	3700.0000 - 4200.0000 MHz		36M0F8W	Analog Programming Information
ANTENNA ID:	2	7.3 meters	ANDREW CORPORATION	ESA73-46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier and Information
	3700.0000 - 4200.0000 MHz		36M0F8W	Analog Programming Information

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-AMD-20180517-00643** E E180276 WTVD TELEVISION, LLC

Amendment

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 411 Liberty Street, Durham, Durham, NC

35 ° 59 ' 39.00 " N LAT.

78 ° 53 ' 44.00 " W LONG.

ANTENNA ID:	1	7.3 meters	Andrew Corporation	ESA73-46
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3700.0000 - 4200.0000 MHz

E36M0G7W

Digital Video Carrier and Information

**Points of Communication:**

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**SES-LIC-20180428-00404** E E180116 Family Stations, Inc.

Application for Authority

06/25/2018 - 06/25/2033

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1350 South Loop Road, Suite 130, Alameda, Alameda, CA

32 ° 43 ' 23.00 " N LAT.

122 ° 14 ' 4.00 " W LONG.

ANTENNA ID: 1 2.4 meters Prodelin / General Dynamics 1244

11700.0000 - 12200.0000 MHz 400KG7W PSK modulation of various audio, data, and related content.

11700.0000 - 12200.0000 MHz 4M00G7W PSK modulation of various audio, data, and related content.

14000.0000 - 14500.0000 MHz 400KG7W 54.94 dBW PSK modulation of various audio, data, and related content.

14000.0000 - 14500.0000 MHz 4M00G7W 64.94 dBW PSK modulation of various audio, data, and related content.

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20180201-00082** E E060157 SpeedCast Communications Inc

Application for Modification

08/14/2006 - 08/14/2021

Grant of Authority

Date Effective: 06/21/2018

**Class of Station:** Earth Stations on-board Vessels/VSAT

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

SITE ID: ESV

LOCATION: 4400 S. Sam Houston Pkwy. E., Harris, Houston, TX

ANTENNA ID: ESV4996 1.2 meters Seatel 4996

14000.0000 - 14500.0000 MHz 200KG7D 40.50 dBW Digital

14000.0000 - 14500.0000 MHz 100KG7D 37.00 dBW Digital

14000.0000 - 14500.0000 MHz 150KG7D 38.80 dBW Digital

14000.0000 - 14500.0000 MHz 1M17G7D 47.80 dBW Digital

14000.0000 - 14500.0000 MHz	1M56G7D	49.10 dBW	Digital
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	Digital
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	Digital
14000.0000 - 14500.0000 MHz	390KG7D	43.00 dBW	Digital
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	Digital
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	Digital
11700.0000 - 12200.0000 MHz	200KG7D	0.00 dBW	Digital
11700.0000 - 12200.0000 MHz	1M85G7D		Digital
11700.0000 - 12200.0000 MHz	1M92G7D		Digital
11700.0000 - 12200.0000 MHz	3M85G7D		Digital
11700.0000 - 12200.0000 MHz	5M76G7D		Digital
11700.0000 - 12200.0000 MHz	7M68G7D		Digital
11700.0000 - 12200.0000 MHz	8M67G7D		Digital
ANTENNA ID: ESV6012	1.5 meters	SEATEL	6012
14000.0000 - 14500.0000 MHz	100KG7D	37.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	150KG7D	38.80 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	1M17G7D	47.80 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	1M56G7D	49.10 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	390KG7D	43.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	DIGITAL
12500.0000 - 12750.0000 MHz	1M76G7W		DIGITAL
12500.0000 - 12750.0000 MHz	2M41G7W		DIGITAL
12500.0000 - 12750.0000 MHz	3M52G7W		DIGITAL

12500.0000 - 12750.0000 MHz	5M77G7W		DIGITAL
11700.0000 - 12200.0000 MHz	1M92G7D		DIGITAL
11700.0000 - 12200.0000 MHz	3M85G7D		DIGITAL
11700.0000 - 12200.0000 MHz	5M76G7D		DIGITAL
11700.0000 - 12200.0000 MHz	7M68G7D		DIGITAL
11700.0000 - 12200.0000 MHz	8M67G7D		DIGITAL
11450.0000 - 11700.0000 MHz	1M76G7W		DIGITAL
11450.0000 - 11700.0000 MHz	2M41G7W		DIGITAL
11450.0000 - 11700.0000 MHz	3M52G7W		DIGITAL
11450.0000 - 11700.0000 MHz	5M77G7W		DIGITAL
10950.0000 - 11200.0000 MHz	1M76G7W		DIGITAL
10950.0000 - 11200.0000 MHz	2M41G7W		DIGITAL
10950.0000 - 11200.0000 MHz	3M52G7W		DIGITAL
10950.0000 - 11200.0000 MHz	5M77G7W		DIGITAL
ANTENNA ID: ESV6009	1.5 meters	SEATEL	6009
14000.0000 - 14500.0000 MHz	100KG7D	37.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	150KG7D	38.80 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	1M17G7D	47.80 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	1M56G7D	49.10 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	390KG7D	43.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	DIGITAL
12500.0000 - 12750.0000 MHz	1M76G7W		DIGITAL
12500.0000 - 12750.0000 MHz	2M41G7W		DIGITAL

12500.0000 - 12750.0000 MHz	3M52G7W	DIGITAL
12500.0000 - 12750.0000 MHz	5M77G7W	DIGITAL
11700.0000 - 12200.0000 MHz	1M92G7D	DIGITAL
11700.0000 - 12200.0000 MHz	3M85G7D	DIGITAL
11700.0000 - 12200.0000 MHz	5M76G7D	DIGITAL
11700.0000 - 12200.0000 MHz	7M68G7D	DIGITAL
11700.0000 - 12200.0000 MHz	8M67G7D	DIGITAL
11450.0000 - 11700.0000 MHz	1M76G7W	DIGITAL
11450.0000 - 11700.0000 MHz	2M41G7W	DIGITAL
11450.0000 - 11700.0000 MHz	3M52G7W	DIGITAL
11450.0000 - 11700.0000 MHz	5M77G7W	DIGITAL
10950.0000 - 11200.0000 MHz	1M76G7W	DIGITAL
10950.0000 - 11200.0000 MHz	2M41G7W	DIGITAL
10950.0000 - 11200.0000 MHz	3M52G7W	DIGITAL
10950.0000 - 11200.0000 MHz	5M77G7W	DIGITAL

SITE ID: Oceans  
LOCATION: 4400 S. Sam Houston Pkwy, USA, Houston, TX

ANTENNA ID: ESV4003	1 meters	Seatel	4003
14000.0000 - 14500.0000 MHz	100KG7D	37.00 dBW	Digital
14000.0000 - 14500.0000 MHz	150KG7D	38.80 dBW	Digital
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	Digital
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	Digital
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	Digital
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	Digital
12500.0000 - 12750.0000 MHz	1M76G7W	Digital	
12500.0000 - 12750.0000 MHz	2M41G7W	Digital	
12500.0000 - 12750.0000 MHz	3M52G7W	Digital	

12500.0000 - 12750.0000 MHz	5M77G7W		Digital
11700.0000 - 12200.0000 MHz	1M92G7D		Digital
11700.0000 - 12200.0000 MHz	3M85G7D		Digital
11700.0000 - 12200.0000 MHz	5M76G7D		Digital
11700.0000 - 12200.0000 MHz	7M68G7D		Digital
11700.0000 - 12200.0000 MHz	8M67G7D		Digital
11700.0000 - 12200.0000 MHz	390KG7D		Digital
11450.0000 - 11700.0000 MHz	1M76G7W		Digital
11450.0000 - 11700.0000 MHz	2M41G7W		Digital
11450.0000 - 11700.0000 MHz	3M52G7W		Digital
11450.0000 - 11700.0000 MHz	5M77G7W		Digital
10950.0000 - 11200.0000 MHz	1M76G7W		Digital
10950.0000 - 11200.0000 MHz	2M41G7W		Digital
10950.0000 - 11200.0000 MHz	3M52G7W		Digital
10950.0000 - 11200.0000 MHz	5M77G7W		Digital
ANTENNA ID: ESV4006	1 meters	Seatel	4006
14000.0000 - 14500.0000 MHz	150KG7D	38.80 dBW	Digital
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	Digital
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	Digital
14000.0000 - 14500.0000 MHz	390KG7D	43.00 dBW	Digital
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	Digital
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	Digital
12500.0000 - 12750.0000 MHz	1M76G7W		Digital
12500.0000 - 12750.0000 MHz	2M41G7W		Digital
12500.0000 - 12750.0000 MHz	3M52G7W		Digital
12500.0000 - 12750.0000 MHz	5M77G7W		Digital



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11700.0000 - 12200.0000 MHz	1M92G7D		Digital
11700.0000 - 12200.0000 MHz	3M85G7D		Digital
11700.0000 - 12200.0000 MHz	5M76G7D		Digital
11700.0000 - 12200.0000 MHz	7M68G7D		Digital
11700.0000 - 12200.0000 MHz	8M67G7D		Digital
11700.0000 - 12200.0000 MHz	100KG7D		Digital
11450.0000 - 11700.0000 MHz	1M76G7W		Digital
11450.0000 - 11700.0000 MHz	3M52G7W		Digital
11450.0000 - 11700.0000 MHz	5M77G7W		Digital
10950.0000 - 11200.0000 MHz	1M76G7W		Digital
10950.0000 - 11200.0000 MHz	2M41G7W		Digital
10950.0000 - 11200.0000 MHz	3M52G7W		Digital
10950.0000 - 11200.0000 MHz	5M77G7W		Digital
ANTENNA ID: ESV4996	1.2 meters	Seatel	4996
ANTENNA ID: ESV6006	1.5 meters	Seatel	6006
14000.0000 - 14500.0000 MHz	100KG7D	37.00 dBW	Digital
14000.0000 - 14500.0000 MHz	150KG7D	38.80 dBW	Digital
14000.0000 - 14500.0000 MHz	1M17G7D	47.80 dBW	Digital
14000.0000 - 14500.0000 MHz	1M56G7D	49.10 dBW	Digital
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	Digital
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	Digital
14000.0000 - 14500.0000 MHz	390KG7D	43.00 dBW	Digital
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	Digital
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	Digital
12500.0000 - 12750.0000 MHz	1M76G7W		Digital
12500.0000 - 12750.0000 MHz	2M41G7W		Digital

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12500.0000 - 12750.0000 MHz	3M52G7W	Digital
12500.0000 - 12750.0000 MHz	5M77G7W	Digital
11700.0000 - 12200.0000 MHz	1M92G7D	Digital
11700.0000 - 12200.0000 MHz	3M85G7D	Digital
11700.0000 - 12200.0000 MHz	5M76G7D	Digital
11700.0000 - 12200.0000 MHz	7M68G7D	Digital
11700.0000 - 12200.0000 MHz	8M67G7D	Digital
11450.0000 - 11700.0000 MHz	1M76G7W	Digital
11450.0000 - 11700.0000 MHz	2M41G7W	Digital
11450.0000 - 11700.0000 MHz	3M52G7W	Digital
11450.0000 - 11700.0000 MHz	5M77G7W	Digital
10950.0000 - 11200.0000 MHz	1M76G7W	Digital
10950.0000 - 11200.0000 MHz	2M41G7W	Digital
10950.0000 - 11200.0000 MHz	3M52G7W	Digital
10950.0000 - 11200.0000 MHz	5M77G7W	Digital

ANTENNA ID:   ESV9797           2.4 meters           Seatel           9797

14000.0000 - 14500.0000 MHz	100KG7D	37.00 dBW	Digital
14000.0000 - 14500.0000 MHz	1M17G7D	47.80 dBW	Digital
14000.0000 - 14500.0000 MHz	1M56G7D	49.10 dBW	Digital
14000.0000 - 14500.0000 MHz	200KG7D	40.00 dBW	Digital
14000.0000 - 14500.0000 MHz	300KG7D	41.80 dBW	Digital
14000.0000 - 14500.0000 MHz	390KG7D	43.00 dBW	Digital
14000.0000 - 14500.0000 MHz	50K0G7D	34.00 dBW	Digital
14000.0000 - 14500.0000 MHz	780KG7D	46.00 dBW	Digital
14000.0000 - 14500.0000 MHz	3M30G7W	54.94 dBW	Digital
14000.0000 - 14500.0000 MHz	4M00G7W	55.80 dBW	Digital

11700.0000 - 12200.0000 MHz	1M92G7D	Digital
11700.0000 - 12200.0000 MHz	3M85G7D	Digital
11700.0000 - 12200.0000 MHz	5M76G7D	Digital
11700.0000 - 12200.0000 MHz	7M68G7D	Digital
11700.0000 - 12200.0000 MHz	8M67G7D	Digital
11700.0000 - 12200.0000 MHz	150KG7D	Digital
11700.0000 - 12200.0000 MHz	27M0G7W	Digital

SITE ID: SEATEL 75CM(USAT30)  
LOCATION: 0.75CM (500 UNITS), OCEANS

ANTENNA ID: ESV75CM	0.75 meters	SEATEL	USAT 30
14000.0000 - 14500.0000 MHz	840KG7W	40.62 dBW	DIGITAL
11700.0000 - 12200.0000 MHz	1M59G7W		DIGITAL

SITE ID: ORBIT 7103  
LOCATION: 1.2M (250 UNITS), LA

ANTENNA ID: ORBIT7103	1.2 meters	ORBIT	7103
14000.0000 - 14500.0000 MHz	1M1G7D	42.50 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	4M68G7D	48.50 dBW	DIGITAL
11700.0000 - 12200.0000 MHz	8M67G7D		DIGITAL

SITE ID: INTELLIAN V60  
LOCATION: 0.6M. (500 UNITS) GM AO PO CARRIBBEAN SEA, US WATERWAYS

ANTENNA ID: INEL60CM	0.6 meters	INTELLIAN TECHNOLOGIES	INTELLIAN V60
14000.0000 - 14500.0000 MHz	567KG7W	37.22 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	3M00G7W	44.29 dBW	DIGITAL
11700.0000 - 12200.0000 MHz	2M30G7W		DIGITAL

SITE ID: INTELLIAN V80  
LOCATION: 0.83M. (500 UNITS) GM AO PO CARRIBBEAN SEA, US WATERWAYS

ANTENNA ID: INTE83CM	0.83 meters	INTELLIAN	INTELLIAN V80
14000.0000 - 14500.0000 MHz	248KG7W	37.80 dBW	DIGITAL

14000.0000 - 14500.0000 MHz	1M50G7W	44.78 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	2M05G7W	44.13 dBW	DIGITAL
11700.0000 - 12200.0000 MHz	2M30G7W		DIGITAL

SITE ID: ST5000-2.4

LOCATION: 4400 S. SAM HOUSTON CENTER US AND INTERNATIONAL WATERWAYS, HOUSTON, TX

ANTENNA ID: ST5000C	2.4 meters	HARRIS CAPROCK	ST5000
5925.0000 - 6425.0000 MHz	1M00G7D	58.30 dBW	UP TO 32 APSK
5925.0000 - 6425.0000 MHz	20M0G7D	61.40 dBW	UP TO 32 APSK
3700.0000 - 4200.0000 MHz	1M00G7D		UP TO 32 APSK
3700.0000 - 4200.0000 MHz	20M0G7D		UP TO 32 APSK

ANTENNA ID: ST5000KU	2.4 meters	HARRIS CAPROCK	ST5000
14000.0000 - 14500.0000 MHz	1M00G7D	53.40 dBW	UP TO 32 APSK
14000.0000 - 14500.0000 MHz	20M0G7D	66.40 dBW	UP TO 32 APSK
11700.0000 - 12200.0000 MHz	1M00G7D	0.00 dBW	UP TO 32 APSK
11700.0000 - 12200.0000 MHz	20M0G7D		UP TO 32 APSK

ANTENNA ID: ST5000KA	2.4 meters	HARRIS CAPROCK	ST5000
29250.0000 - 30000.0000 MHz	1M00G7D	69.40 dBW	UP TO 32 APSK
29250.0000 - 30000.0000 MHz	40M0G7D	69.40 dBW	UP TO 32 APSK
28600.0000 - 29100.0000 MHz	1M00G7D	69.40 dBW	UP TO 32 APSK
28600.0000 - 29100.0000 MHz	40M0G7D	69.40 dBW	UP TO 32 APSK
28350.0000 - 28600.0000 MHz	1M00G7D	69.40 dBW	UP TO 32 APSK
28350.0000 - 28600.0000 MHz	40M0G7D	69.40 dBW	UP TO 32 APSK
27600.0000 - 28400.0000 MHz	1M00G7D	69.40 dBW	UP TO 32 APSK
27600.0000 - 28400.0000 MHz	40M0G7D	69.40 dBW	UP TO 32 APSK
19700.0000 - 20200.0000 MHz	1M00G7D		UP TO 32 APSK
19700.0000 - 20200.0000 MHz	40M0G7D		UP TO 32 APSK
18800.0000 - 19300.0000 MHz	1M00G7D		UP TO 32 APSK

18800.0000 - 19300.0000 MHz	40M0G7D	UP TO 32 APSK
18300.0000 - 18800.0000 MHz	40M0G7D	UP TO 32 APSK
18300.0000 - 18800.0000 MHz	1M00G7D	UP TO 32 APSK
17800.0000 - 18600.0000 MHz	1M00G7D	UP TO 32 APSK
17800.0000 - 18600.0000 MHz	40M0G7D	UP TO 32 APSK

SITE ID: KYWAY-1-ESV  
LOCATION: 4400 S. Sam Houston Pkwy, Harris, Houston, TX

ANTENNA ID:	KYWAY-1	0.7 meters	KYMETA CORPORATION	TYPE 1
14000.0000 - 14500.0000 MHz	6M96G1D	43.00 dBW	DATA	
14000.0000 - 14500.0000 MHz	611KG1D	40.84 dBW	DATA	
14000.0000 - 14500.0000 MHz	5M00G1D	43.00 dBW	DATA	
14000.0000 - 14500.0000 MHz	3M00G1D	43.00 dBW	DATA	
14000.0000 - 14500.0000 MHz	1M50G1D	43.00 dBW	DATA	
11700.0000 - 12200.0000 MHz	36M0G1D	DATA		
11700.0000 - 12200.0000 MHz	1M50G1D	DATA		
11450.0000 - 11700.0000 MHz	36M0G1D	DATA		
11450.0000 - 11700.0000 MHz	1M50G1D	DATA		
10950.0000 - 11200.0000 MHz	36M0G1D	DATA		
10950.0000 - 11200.0000 MHz	1M50G1D	DATA		

**Points of Communication:**

- ESV - EUTELSAT115WA(S2589) - (114.9 W.L.)
- ESV - PERMITTED LIST - ()
- INTELLIAN V60 - GALAXY 25 (S2154) - (93.1 W.L.)
- INTELLIAN V60 - PERMITTED LIST - ()
- INTELLIAN V80 - GALAXY 25 (S2154) - (93.1 W.L.)
- INTELLIAN V80 - PERMITTED LIST - ()
- KYWAY-1-ESV - PERMITTED LIST - ()
- Oceans - Eutelsat113WA(S2695) - (113 W.L.)

Oceans - EUTELSAT115WA(S2589) - (114.9 W.L.)

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

ORBIT 7103 - PERMITTED LIST - ()

ORBIT 7103 - TELSTAR 11N (S2357) - (37.5 W.L.)

SEATEL 75CM(USAT30) - ESTRELA DO SUL 2 - (63 W.L.)

SEATEL 75CM(USAT30) - GALAXY 26 - (93 W.L.)

SEATEL 75CM(USAT30) - PERMITTED LIST - ()

ST5000-2.4 - O3B-A (S2935) - (NGSO)

ST5000-2.4 - PERMITTED LIST - ()

<b>SES-MOD-20180413-00352</b>	E E170205	Alaska Communications Internet, LLC	
Application for Modification			02/16/2018 - 02/16/2033
Grant of Authority			Date Effective: 06/25/2018

**Class of Station:** Other

**Nature of Service:** Fixed Satellite Service

SITE ID: Hub

LOCATION: 8500 Dimond D Circle (3.8METER), Anchorage, Anchorage, AK  
 61 ° 8 ' 28.40 " N LAT. 149 ° 52 ' 30.70 " W LONG.

ANTENNA ID:	HUB	3.8 meters	General Dynamics	1383
	5929.0000 - 6001.0000 MHz		7M00G7W 58.40 dBW	DVB-S2, 16APSK
	5929.0000 - 6001.0000 MHz		9M50G7W 58.40 dBW	DVB-S2, 16APSK
	5929.0000 - 5944.8500 MHz		3M00G7W 58.40 dBW	32APSK
	3704.0000 - 3776.0000 MHz		4M70G7W	32APSK
	3704.0000 - 3776.0000 MHz		3M20G7W	QPSK

SITE ID: 1

LOCATION: 100 Harbor View Drive (3.8M.) VSAT, St. Paul, St. Paul, AK  
 57 ° 7 ' 23.00 " N LAT. 170 ° 16 ' 45.00 " W LONG.

ANTENNA ID:	1	3.8 meters	General Dynamics	1383
	5929.0000 - 6001.0000 MHz		3M20G7W 47.90 dBW	DVB-S2, QPSK
	3704.0000 - 3776.0000 MHz		9M50G7W	16APSK

SITE ID: 2

LOCATION: 600 Telephone Ave. (2.4M.) VSAT, Anchorage, Anchorage, AK  
 61 ° 11 ' 10.50 " N LAT. 149 ° 52 ' 15.57 " W LONG.

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ANTENNA ID: 2                      2.4 meters              Prodelin                      1244  
5929.0000 - 5944.8500 MHz              4M70G7W              51.20 dBW              8PSK  
3704.0000 - 3776.0000 MHz              3M00G7W                      32APSK

SITE ID: 3  
LOCATION: EXCURSION INLET, HAINES BOROUGH, EXCURSION INLET, AK  
58 ° 24 ' 55.30 " N LAT.                      135 ° 26 ' 36.40 " W LONG.

ANTENNA ID: 3                      2.4 meters              PRODELIN                      1244  
5929.0000 - 6001.0000 MHz              5M60G7W              51.30 dBW              8APSK  
3704.0000 - 3776.0000 MHz              3M80G7W                      16APSK

SITE ID: 4  
LOCATION: ALITAK, KODIAK, ALITAK, AK  
56 ° 53 ' 52.20 " N LAT.                      154 ° 14 ' 43.00 " W LONG.

ANTENNA ID: 4                      2.4 meters              PRODELIN                      1244  
5929.0000 - 6001.0000 MHz              5M60G7W              52.00 dBW              8APSK  
3704.0000 - 3776.0000 MHz              3M80G7W                      16APSK

SITE ID: 5  
LOCATION: NAKNEK, BRISTOL BAY, NAKNEK, AK  
58 ° 43 ' 43.70 " N LAT.                      157 ° 0 ' 0.90 " W LONG.

ANTENNA ID: 5                      2.4 meters              PRODELIN                      1244  
5929.0000 - 6001.0000 MHz              5M60G7W              52.10 dBW              8APSK  
3704.0000 - 3776.0000 MHz              3M80G7W                      16APSK

**Points of Communication:**

- 1 - EUTELSAT115WB(S2938) - (114.9 W.L.)
  - 2 - EUTELSAT115WB(S2938) - (114.9 W.L.)
  - 3 - EUTELSAT115WB(S2938) - (114.9 W.L.)
  - 4 - EUTELSAT115WB(S2938) - (114.9 W.L.)
  - 5 - EUTELSAT115WB(S2938) - (114.9 W.L.)
  - Hub - EUTELSAT115WB(S2938) - (114.9 W.L.)
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**SES-MOD-20180424-00394** E E110171 Universal Space Network, Inc.

Application for Modification

04/13/2012 - 04/13/2027

Grant of Authority

Date Effective: 06/20/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Earth Exploration Satellite Service

SITE ID: 1

LOCATION: 400 Airglades Blvd, Hendry, Clewiston, FL

26 ° 44 ' 50.20 " N LAT.

81 ° 2 ' 56.70 " W LONG.

ANTENNA ID:	1	9.1 meters	ViaSat	3440
8377.1000 - 8382.9000 MHz		5M80G7D		Digital Telemetry
8025.0000 - 8375.0000 MHz		350MG7D		Digital Earth Imaging Data Reception
2085.1715 - 2086.2035 MHz		1M03G1D	53.00 dBW	BPSK Digital TT&C
2092.0840 - 2093.1160 MHz		1M03G1D	53.00 dBW	BPSK Digital
2051.4840 - 2052.5160 MHz		1M03G1D	53.00 dBW	BPSK Digital
2085.1710 - 2086.2030 MHz		1M03G1D	53.00 dBW	BPSK Digital
8385.9400 - 8386.0600 MHz		120KG1D		Digital Telemetry Reception
8025.0000 - 8395.0000 MHz		370MG7D		Digital Payload Reception
8393.9700 - 8394.0300 MHz		60K0G1D		Digital Telemetry Reception

**Points of Communication:**

1 - GeoEye 1 (S2348) - (NGSO)

1 - WORLDVIEW-1(S2129) - (NGSO)

1 - WORLDVIEW-2(S2129) - (NGSO)

1 - WORLDVIEW-3 (S2129) - (NGSO)

1 - WORLDVIEW-4 (S2348) - (NGSO)

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**SES-MOD-20180425-00471** E E8359 CBS Television Stations Inc.

Application for Modification

07/23/2005 - 07/23/2020

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 8900 NW 18TH TER., MIAMI-DADE, MIAMI, FL

25 ° 47 ' 22.30 " N LAT.

80 ° 20 ' 28.10 " W LONG.



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ANTENNA ID:	1	9 meters	HARRIS	5251
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	2	4.5 meters	COMMSCOPE	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	3	4.5 meters	DH SATELLITE	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	4	7.3 meters	ASC SIGNAL	ES73
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	5	4.8 meters	GENERAL DYNAMICS SATCOM	4.8METER
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	6	10 meters	SCIENTIFIC ATLANTA	8002-HP
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-MOD-20180427-00500</b>	E E080001	CBS Broadcasting Inc.	
Application for Modification			01/02/2008 - 01/02/2023
Grant of Authority			Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 4200 Radford Ave, LOS ANGELES, LOS ANGELES, CA  
34 ° 8 ' 47.70 " N LAT. 118 ° 23 ' 23.80 " W LONG.

ANTENNA ID:	1	4.5 meters	COMMSCOPE	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	2	3.8 meters	PATRIOT	3.8M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20180430-00501** E E900319 CBS Communications Services Inc.  
 Application for Modification 07/06/2010 - 07/06/2025  
 Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 1170 SOLDIERS FIELD ROAD, SUFFOLK, BOSTON, MA  
 42 ° 21 ' 53.60 " N LAT. 71 ° 7 ' 58.60 " W LONG.

ANTENNA ID:	2	4.5 meters	PATRIOT ANTENNA SYSTEMS	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	3	7.3 meters	ANDREW	ES73-1
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	4	7.3 meters	ANDREW	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	5	4.5 meters	DH SATELLITE	DH-5.0M-GDP
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data
ANTENNA ID:	1	4.5 meters	PATRIOT ANTENNAS SYSTEMS	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Audio, Video, Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20180430-00502** E E950409 CBS Communications Services Inc.  
 Application for Modification 11/03/2005 - 11/03/2020  
 Grant of Authority Date Effective: 06/25/2018

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

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: VARIOUS  
 0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:	1	1.2 meters	SAT-LITE	1256
	14000.0000 - 14500.0000 MHz		36M0G7W	64.36 dBW
				Digital Audio, Video, Data
	14000.0000 - 14500.0000 MHz		6M00G7W	60.96 dBW
				Digital Audio, Video, Data





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SITE ID: 1  
LOCATION: 8619 HWY 157, DADE, RISING FAWN, GA  
34 ° 49 ' 23.60 " N LAT. 85 ° 25 ' 5.60 " W LONG.

ANTENNA ID: 1 3.8 meters CHALLENGER 3.8  
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, modulations and data rates

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20180503-00514** E E130200 Trinity Christian Center of Santa Ana, Inc.  
Application for Modification 09/13/2013 - 09/13/2028  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1200 DUN BARTON ROAD, MONTGOMERY, MONTGOMERY, AL  
32 ° 24 ' 13.40 " N LAT. 86 ° 11 ' 49.50 " W LONG.

ANTENNA ID: 1 3.8 meters CHALLENGER 3.8M  
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, modulations and data rates

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20180503-00515** E E130164 Trinity Christian Center of Santa Ana, Inc.  
Application for Modification 08/19/2013 - 08/19/2028  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1600 E HEFNER RD, OKLAHOMA, OKLAHOMA CITY, OK  
35 ° 34 ' 35.40 " N LAT. 97 ° 29 ' 11.80 " W LONG.

ANTENNA ID: 1 3.8 meters CHALLENGER 3.8  
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, modulations and data rates

**Points of Communication:**

1 - PERMITTED LIST - ()

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**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20180508-00543**    E E120228    New Cingular Wireless PCS, LLC  
Application for Modification    04/18/2013 - 04/18/2028  
Grant of Authority    Date Effective:    06/25/2018

**Class of Station:**    VSAT Network

**Nature of Service:**    Fixed Satellite Service

SITE ID:    1  
LOCATION:    11241 WILLOWS ROAD NE, KING, REDMOND, WA

ANTENNA ID:	Gen. Dyn.	1.2 meters	General Dynamics	1322-1.2M Ku-band
	14000.0000 - 14500.0000 MHz		3M00G7W    49.11 dBW	Digital Video and Data
	11700.0000 - 12200.0000 MHz		3M00G7W    0.00 dBW	Digital Video and Data
ANTENNA ID:	Toughsat	1.2 meters	Ground Control	1.2m Toughsat XP
	14000.0000 - 14500.0000 MHz		3M00G7W    51.09 dBW	Digital Video and Data
	11700.0000 - 12200.0000 MHz		3M00G7W    0.00 dBW	Digital Video and Data
ANTENNA ID:	AVL 1.2m	1.2 meters	AVL	1.2m Mobile 1278KFD
	14000.0000 - 14500.0000 MHz		3M00G7W    50.06 dBW	Digital Video and Data
	11700.0000 - 12200.0000 MHz		3M00G7W    0.00 dBW	Digital Video and Data
ANTENNA ID:	AVL 1.8	1.8 meters	AVL	1.8m Mobile 1812K
	14000.0000 - 14500.0000 MHz		3M00G7W    53.06 dBW	Digital Video and Data
	11700.0000 - 12200.0000 MHz		3M00G7W    0.00 dBW	Digital Video and Data
ANTENNA ID:	RAYSAT	1.2 meters	RAYSAT	STEALTHRAY 2000
	14000.0000 - 14500.0000 MHz		3M00G7W    37.78 dBW	Digital Video and Data
	11700.0000 - 12200.0000 MHz		3M00G7W	Digital Video and Data
ANTENNA ID:	AVL-1278	1.2 meters	AVL	1278
	14000.0000 - 14500.0000 MHz		500KG7W    50.10 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz		36M0G7W    59.20 dBW	Digital Data Carrier
	11700.0000 - 12200.0000 MHz		500KG7W	Digital Data Carrier

	11700.0000 - 12200.0000 MHz		36M0G7W		Digital Data Carrier
ANTENNA ID:	AVL-1078	1 meters	AVL		1078
	14000.0000 - 14500.0000 MHz		500KG7W	48.40 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz		36M0G7W	57.40 dBW	Digital Data Carrier
	11700.0000 - 12200.0000 MHz		500KG7W		Digital Data Carrier
	11700.0000 - 12200.0000 MHz		36M0G7W		Digital Data Carrier
ANTENNA ID:	SAT-1223	1.2 meters	SAT-LITE		1223
	14000.0000 - 14500.0000 MHz		500KG7W	50.10 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz		36M0G7W	59.20 dBW	Digital Data Carrier
	11700.0000 - 12200.0000 MHz		500KG7W		Digital Data Carrier
	11700.0000 - 12200.0000 MHz		36M0G7W		Digital Data Carrier
ANTENNA ID:	SAT-1822	1.8 meters	SAT-LITE		1822
	14000.0000 - 14500.0000 MHz		500KG7W	53.50 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz		36M0G7W	62.60 dBW	Digital Data Carrier
	11700.0000 - 12200.0000 MHz		500KG7W		Digital Data Carrier
	11700.0000 - 12200.0000 MHz		36M0G7W		Digital Data Carrier
ANTENNA ID:	AVL-0.85M.	0.85 meters	AVL		1098FA
	14000.0000 - 14500.0000 MHz		500KG7W	46.90 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz		36M0G7W	56.00 dBW	Digital Data Carrier
	11700.0000 - 12200.0000 MHz		500KG7W		Digital Data Carrier
	11700.0000 - 12200.0000 MHz		36M0G7W		Digital Data Carrier
ANTENNA ID:	AVL-1.M.	1 meters	AVL		1098FA
	14000.0000 - 14500.0000 MHz		500KG7W	48.30 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz		36M0G7W	57.40 dBW	Digital Data Carrier
	11700.0000 - 12200.0000 MHz		500KG7W		Digital Data Carrier
	11700.0000 - 12200.0000 MHz		36M0G7W		Digital Data Carrier



ANTENNA ID:	AVL-1.2M-F	1.2 meters	AVL	1098FA	
	14000.0000 - 14500.0000 MHz		500KG7W	50.10 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz		36M0G7W	59.20 dBW	Digital Data Carrier
	11700.0000 - 12200.0000 MHz		500KG7W		Digital Data Carrier
	11700.0000 - 12200.0000 MHz		36M0G7W		Digital Data Carrier
ANTENNA ID:	AVL-1.2M-D	1.2 meters	AVL	1278FD	
	14000.0000 - 14500.0000 MHz		500KG7W	50.10 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz		36M0G7W	59.20 dBW	Digital Data Carrier
	11700.0000 - 12200.0000 MHz		500KG7W		Digital Data Carrier
	11700.0000 - 12200.0000 MHz		36M0G7W		Digital Data Carrier
ANTENNA ID:	AVL-1878	1.8 meters	AVL	1878-KU	
	14000.0000 - 14500.0000 MHz		500KG7W	53.60 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz		36M0G7W	62.70 dBW	Digital Data Carrier
	11700.0000 - 12200.0000 MHz		500KG7W		Digital Data Carrier
	11700.0000 - 12200.0000 MHz		36M0G7W		Digital Data Carrier
ANTENNA ID:	AVL-1812	1.8 meters	AVL	1812K	
	14000.0000 - 14500.0000 MHz		500KG7W	53.60 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz		36M0G7W	62.70 dBW	Digital Data Carrier
	11700.0000 - 12200.0000 MHz		500KG7W		Digital Data Carrier
	11700.0000 - 12200.0000 MHz		36M0G7W		Digital Data Carrier
ANTENNA ID:	AVL-1888	1.8 meters	AVL	1888	
	14000.0000 - 14500.0000 MHz		500KG7W	53.60 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz		36M0G7W	62.70 dBW	Digital Data Carrier
	11700.0000 - 12200.0000 MHz		500KG7W		Digital Data Carrier
	11700.0000 - 12200.0000 MHz		36M0G7W		Digital Data Carrier
ANTENNA ID:	AVL- 2.4M.	2.4 meters	AVL	2400KU	

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14000.0000 - 14500.0000 MHz	500KG7W	55.70 dBW	Digital Data Carrier
14000.0000 - 14500.0000 MHz	36M0G7W	64.80 dBW	Digital Data Carrier
11700.0000 - 12200.0000 MHz	500KG7W		Digital Data Carrier
11700.0000 - 12200.0000 MHz	36M0G7W		Digital Data Carrier
ANTENNA ID: DataPath	0.75 meters	DataPath	QCT90
14000.0000 - 14500.0000 MHz	500KG7W	46.50 dBW	Digital Data Carrier
14000.0000 - 14500.0000 MHz	36M0G7W	50.40 dBW	Digital Data Carrier
11700.0000 - 12200.0000 MHz	500KG7W		Digital Data Carrier
11700.0000 - 12200.0000 MHz	36M0G7W		Digital Data Carrier
ANTENNA ID: AVL-1.6M	1.6 meters	AVL	1600
14000.0000 - 14500.0000 MHz	36M0G7W	65.30 dBW	Digital Data Carrier
14000.0000 - 14500.0000 MHz	500KG7W	52.26 dBW	Digital Data Carrier
11700.0000 - 12200.0000 MHz	36M0G7W		Digital Data Carrier
11700.0000 - 12200.0000 MHz	500KG7W		Digital Data Carrier

**Points of Communication:**

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

1 - PERMITTED LIST - ()

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<b>SES-MOD-20180509-00541</b>	E E130006	CBS Communications Services Inc.	01/11/2013 - 01/11/2028
Application for Modification			Date Effective: 06/25/2018
Grant of Authority			

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1044 LINCOLN ST., DENVER, DENVER, CO  
39 ° 43 ' 59.00 " N LAT. 104 ° 59 ' 9.00 " W LONG.

ANTENNA ID: 1	4.5 meters	COMMSCOPE	ESA45
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Audio, Video, Data

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-MOD-20180509-00546** E E865016 WLS Television, Inc.

Application for Modification

12/19/2006 - 12/19/2021

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 190 N. STATE ST., COOK, CHICAGO, IL

41 ° 53 ' 7.00 " N LAT.

87 ° 37 ' 42.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-4
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier and Information
	3700.0000 - 4200.0000 MHz		36M0F8W	Analog Programming Information
ANTENNA ID:	3	4.6 meters	VERTEX	4.6
	3700.0000 - 4200.0000 MHz		36M0F8W	Analog Programming Information
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier and Information
ANTENNA ID:	4	3.1 meters	PATRIOT	PRT-310
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier and Information
	3700.0000 - 4200.0000 MHz		36M0F8W	Analog Programming Information
ANTENNA ID:	2	7.3 meters	ANDREW CORPORATION	ESA73-46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video Carrier and Information
	3700.0000 - 4200.0000 MHz		36M0F8W	Analog Programming Information

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-MOD-20180511-00576** E E130017 CBS Communications Services Inc.

Application for Modification

01/22/2013 - 01/22/2028

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 21119 CEDAR LAKE ROAD, JEFFERSON, GOLDEN, CO

39 ° 43 ' 50.60 " N LAT.

105 ° 14 ' 1.70 " W LONG.

ANTENNA ID:	1	4.5 meters	COMMSCOPE	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL AUDIO VIDEO, DATA
ANTENNA ID:	2	7.3 meters	COMMSCOPE	ESA73
	3700.0000 - 4200.0000 MHz		36M0G7W	DIGITAL AUDIO VIDEO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-MOD-20180516-00626</b>	E	E130221	CBS Communications Services Inc.	11/06/2013 - 11/06/2028
Application for Modification				Date Effective: 06/25/2018
Grant of Authority				

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 4101 GRIZELLA ST. (KDKA-TV)-GRIZELLA, PITTSBURGH, PA  
 40 ° 29 ' 38.10 " N LAT. 80 ° 1 ' 2.80 " W LONG.

ANTENNA ID:	1	4.3 meters	PRODELIN	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Compressed digital/Analog Video and Audio

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180427-00432</b>	E	E180267	Mel Wheeler Inc	04/27/2018 - 04/27/2033
Registration				Date Effective: 06/25/2018
Grant of Authority				

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 3934 Electric Road, Roanoke, Roanoke, VA  
 37 ° 13 ' 29.80 " N LAT. 79 ° 59 ' 8.10 " W LONG.

ANTENNA ID:	CW	3.8 meters	Comtech Antenna Systems	3.8 Meter PF
	3700.0000 - 4200.0000 MHz		10M3G7W 0.00 dBW	Digital Broadcast Audio Carrier

SITE ID: 2  
 LOCATION: 3934 Electric Road, Roanoke, Roanoke, VA  
 37 ° 13 ' 29.80 " N LAT. 79 ° 59 ' 8.10 " W LONG.

ANTENNA ID:	CE	3.8 meters	Comtech Antenna Systems	3.8 Meter PF
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**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 411 Liberty Street, Durham, Durham, NC

35 ° 59 ' 39.00 " N LAT.

78 ° 53 ' 44.00 " W LONG.

ANTENNA ID: 1 7.3 meters Andrew Corporation ESA73-46

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier and Information

**Points of Communication:**

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**SES-REG-20180509-00621** E E180263 Winona State University

Registration

05/09/2018 - 05/09/2033

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 460 Johnson St, Winona, Winona, MN

44 ° 2 ' 48.44 " N LAT.

91 ° 38 ' 35.21 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 3.8 meter

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Audio and Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180510-00636** E E180269 Tri-State Broadcasting Association, Inc.

Registration

05/10/2018 - 05/10/2033

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 201 South Bailey, Lincoln, North Platte, NE

41 ° 7 ' 55.70 " N LAT.

100 ° 45 ' 40.20 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 3.8 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital data carrier

3700.0000 - 4200.0000 MHz 10M3G7W Digital Data Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180510-00638** E E180271 WPHL, LLC  
Registration 05/10/2018 - 05/10/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 5001 Wynnefield Avenue, Philadelphia, Philadelphia, PA  
39 ° 59 ' 34.00 " N LAT. 75 ° 13 ' 30.00 " W LONG.

ANTENNA ID: 1 7.3 meters Andrew 7.3 meter  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180510-00641** E E180274 KDAF, LLC  
Registration 05/10/2018 - 05/10/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 8001 John Carpenter Freeway, Dallas, Dallas, TX  
32 ° 49 ' 9.20 " N LAT. 96 ° 52 ' 33.70 " W LONG.

ANTENNA ID: 1 6.1 meters Harris 5246  
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180510-00642** E E180275 WDAF License, Inc.  
Registration 05/10/2018 - 05/10/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 3030 Summit, Jackson, Kansas City, MD  
39 ° 4 ' 18.90 " N LAT. 94 ° 35 ' 42.30 " W LONG.

ANTENNA ID: 1 4.5 meters Patriot 4.5 meter

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3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00647** E E180280 Tribune Broadcasting Seattle, LLC  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1813 Westlake Ave. N, King, Seattle, WA

47 ° 38 ' 8.00 " N LAT.

122 ° 20 ' 28.00 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew 4.5 meter

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00648** E E180281 KRCW, LLC  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 19255 SW Arctic Drive, Washington, Beaverton, OR

45 ° 28 ' 54.10 " N LAT.

122 ° 46 ' 55.50 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew 4.5 meter

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00652** E E180285 Fox Broadcasting Company  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service



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SITE ID: 1  
LOCATION: 7831 North Business Park Drive, Pima, Tucson, AZ  
32 ° 20 ' 54.80 " N LAT. 111 ° 5 ' 4.50 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00653** E E180286 Fox Broadcasting Company  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 755 Auditorium Drive, Shasta, Redding, CA  
40 ° 35 ' 14.00 " N LAT. 122 ° 22 ' 51.90 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00655** E E180289 Fox Broadcasting Company  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 2175 West 1700 South, Salt Lake, Salt Lake City, UT  
40 ° 42 ' 57.40 " N LAT. 111 ° 51 ' 10.70 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00657** E E180290 Fox Broadcasting Company  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 141 Old Cline Rd., Raleigh, Ghent, WV  
37 ° 37 ' 42.60 " N LAT. 81 ° 6 ' 40.80 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00662** E E180295 Fox Broadcasting Company  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 49 Old Hickory Lane, Cambria, Johnstown, PA  
40 ° 17 ' 42.50 " N LAT. 78 ° 56 ' 14.50 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00664** E E180297 Fox Broadcasting Company  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 4279 Benton Drive, Hamilton, Chattanooga, TN  
35 ° 5 ' 0.00 " N LAT. 85 ° 12 ' 35.60 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A

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3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00666** E E180299 Fox Broadcasting Company

Registration

05/11/2018 - 05/11/2033

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1301 Piedmont Road - Suite C, Kanawha, Charleston, WV

38 ° 20 ' 54.50 " N LAT.

81 ° 37 ' 6.80 " W LONG.

ANTENNA ID: 1

4.5 meters

Andrew Corporation

ESA45-46A

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00678** E E180303 Fox Broadcasting Company

Registration

05/11/2018 - 05/11/2033

Grant of Authority

Date Effective: 06/26/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 477 Carpenter, Vanderburgh, Evansville, IN

37 ° 58 ' 29.70 " N LAT.

87 ° 34 ' 33.00 " W LONG.

ANTENNA ID: 1

3.8 meters

DH Satellite

3.8M

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00679** E E180304 Fox Broadcasting Company

Registration

05/11/2018 - 05/11/2033

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 11520 W. Calumet Dr, Milwaukee, Milwaukee, WI  
43 ° 9 ' 20.30 " N LAT. 88 ° 3 ' 19.80 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A

3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00680** E E180305 Fox Broadcasting Company  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/26/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 2680 East Cook Street, Sangamon, Springfield, IL  
39 ° 47 ' 39.70 " N LAT. 89 ° 37 ' 1.90 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A

3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00689** E E180313 Fox Broadcasting Company  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1790 Vassar Street, Washoe, Reno, NV  
39 ° 30 ' 44.40 " N LAT. 119 ° 47 ' 11.40 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A

3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**





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**SES-REG-20180511-00696** E E180320 Fox Broadcasting Company  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 31276 Dunham Way, Riverside, Thousands Palms, CA  
33 ° 49 ' 18.90 " N LAT. 116 ° 24 ' 10.90 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00698** E E180322 Fox Broadcasting Company  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 67 Garden CT, Monterey, Monterey, CA  
36 ° 35 ' 7.90 " N LAT. 121 ° 51 ' 14.50 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00699** E E180323 Fox Broadcasting Company  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 5111 East McKinley Ave, Fresno, Fresno, CA  
36 ° 45 ' 57.60 " N LAT. 119 ° 43 ' 22.10 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A

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3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00700** E E180324 Fox Broadcasting Company

Registration

05/11/2018 - 05/11/2033

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 2700 E. Tudor Rd., Anchorage, Anchorage, AK

61 ° 10 ' 49.40 " N LAT.

149 ° 49 ' 47.90 " W LONG.

ANTENNA ID: 1

7.3 meters

Andrew Corporation

ESA73-46

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00701** E E180325 Fox Broadcasting Company

Registration

05/11/2018 - 05/11/2033

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 320 Division St, Calcasieu Parish, Lake Charles, LA

30 ° 13 ' 48.10 " N LAT.

93 ° 12 ' 57.10 " W LONG.

ANTENNA ID: 1

4.5 meters

Andrew Corporation

ESA45-46A

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180511-00702** E E180326 Fox Broadcasting Company

Registration

05/11/2018 - 05/11/2033

Grant of Authority

Date Effective: 06/26/2018

**Class of Station:** Fixed Earth Stations



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**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 3501 Performance Road, Mecklenburg, Charlotte, NC  
35 ° 15 ' 23.10 " N LAT. 80 ° 59 ' 4.40 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180512-00646** E E180279 Fox Broadcasting Company  
Registration 05/12/2018 - 05/12/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 5 South Chadbourne St, Tom Green, San Angelo, TX  
31 ° 27 ' 47.10 " N LAT. 100 ° 26 ' 14.40 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180512-00658** E E180291 Fox Broadcasting Company  
Registration 05/12/2018 - 05/12/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 4.5M  
LOCATION: 14975 North West Green Brier Parkway, Washington, Beaverton, OR  
45 ° 31 ' 36.30 " N LAT. 122 ° 49 ' 45.60 " W LONG.

ANTENNA ID: 4.5M 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

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4.5M - PERMITTED LIST - ()

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**SES-REG-20180512-00659** E E180292 Fox Broadcasting Company  
Registration 05/12/2018 - 05/12/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 2955 I-10 East, Jefferson, Beaumont, TX  
30 ° 5 ' 41.30 " N LAT. 94 ° 7 ' 58.40 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-REG-20180512-00661** E E180294 Fox Broadcasting Company  
Registration 05/12/2018 - 05/12/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 825 Edmond Street, Phelps, St Joseph, MO  
39 ° 45 ' 58.10 " N LAT. 94 ° 50 ' 59.70 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-REG-20180512-00663** E E180296 Fox Broadcasting Company  
Registration 05/12/2018 - 05/12/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 13 Broadcast Plaza, Bernalillo, Albuquerque, NM  
35 ° 4 ' 53.80 " N LAT. 106 ° 39 ' 53.80 " W LONG.



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**SES-REG-20180512-00669** E E180302 Fox Broadcasting Company  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 3808 North Navarro Street, Victoria, Victoria, TX  
28 ° 49 ' 50.50 " N LAT. 97 ° 0 ' 1.10 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180512-00681** E E180306 Fox Broadcasting Company  
Registration 05/12/2018 - 05/12/2033  
Grant of Authority Date Effective: 06/26/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1915 N Yellowstone Hwy, Bonneville, Idaho Falls, ID  
43 ° 30 ' 50.30 " N LAT. 112 ° 0 ' 47.90 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180512-00682** E E180327 Fox Broadcasting Company  
Registration 05/12/2018 - 05/12/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 600 Old Marion Road N.E., Linn, Cedar Rapids, IA  
42 ° 1 ' 37.50 " N LAT. 91 ° 38 ' 24.80 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A

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3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180512-00683** E E180307 Fox Broadcasting Company

Registration

05/12/2018 - 05/12/2033

Grant of Authority

Date Effective: 06/26/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 4.5M

LOCATION: 800 Ohio Street, Vigo, Terre Haute, IN

39 ° 27 ' 56.60 " N LAT.

87 ° 24 ' 19.40 " W LONG.

ANTENNA ID: 4.5M

4.5 meters

Andrew Corporation

ESA45-46A

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

**Points of Communication:**

4.5M - PERMITTED LIST - ()

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**SES-REG-20180512-00688** E E180312 Fox Broadcasting Company

Registration

05/12/2018 - 05/12/2033

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 322 Shipyard Blvd, New Hanover, Wilmington, NC

34 ° 11 ' 28.00 " N LAT.

77 ° 56 ' 29.30 " W LONG.

ANTENNA ID: 1

4.5 meters

Andrew Corporation

ESA45-46A

3700.0000 - 4200.0000 MHz

36M0G7W

digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180512-00694** E E180318 Fox Broadcasting Company

Registration

05/12/2018 - 05/12/2033

Grant of Authority

Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1301 East Douglas Road, St Joseph, Mishawaka, IN  
41 ° 42 ' 28.40 " N LAT. 86 ° 9 ' 57.40 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180514-00640** E E180273 Cable Television Laboratories, Inc.  
Registration 05/11/2018 - 05/11/2033  
Grant of Authority Date Effective: 06/25/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 858 Coal Creek Cir, Louisville, CO  
39 ° 57 ' 23.72 " N LAT. 105 ° 9 ' 35.16 " W LONG.

ANTENNA ID: 1 3.7 meters Scientific-Atlanta NA  
3700.0000 - 4200.0000 MHz 36M0F8W -999.00 dBW Video carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180522-00916** E E180491 Legend Communications of Wyoming, LLC  
Registration  
Withdrawn Date Effective: 06/19/2018

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 1949 Mountain View Drive, Park, Cody, WY  
44 ° 30 ' 56.40 " N LAT. 109 ° 3 ' 0.60 " W LONG.

ANTENNA ID: 10001 3.6 meters COMTECH COM36C

**Points of Communication:**

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

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1 - PERMITTED LIST - ()

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**SES-RWL-20180611-01062**    E   E030187    The Board of Trustees of The Florida State University  
Renewal    08/29/2018 - 08/29/2033  
Grant of Authority    Date Effective:    06/20/2018

**Class of Station:**    Fixed Earth Stations

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

SITE ID:    1

LOCATION:    1600 RED BARBER PLAZA (WFSU-FM), LEON, TALLAHASSE, FL  
30 ° 25 ' 5.00 " N LAT.    84 ° 18 ' 49.00 " W LONG.

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

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-STA-20180606-01001**    E   KL92    Intelsat License LLC  
Special Temporary Authority  
Grant of Authority    Date Effective:    06/25/2018

**Class of Station:**

On June 25, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning June 25, 2018, to operate two 12.5-meter fixed earth station antennas, "K01" and "K16" in Castle Rock, CO to conduct telemetry, tracking and command (TT&C) services for the Intelsat 5 (S2704) satellite during its drift from 156.9° E.L. to 137.0° W.L. on the following center frequencies: 14498 MHz and 13999 MHz (Earth-to-space); and 11451 MHz, 11452 MHz and 11454 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20180611-01100**    E   KA391    Intelsat License LLC  
Special Temporary Authority  
Grant of Authority    Date Effective:    06/19/2018

**Class of Station:**

On June 19, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning June 19, 2018, to operate its fixed earth station in Fillmore, CA to provide telemetry, tracking and command (TT&C) services for the Intelsat 805 (S2404) satellite at the 169.0° E.L. orbital location on the following center frequencies: 6173.70 MHz and 6176.30 MHz (Earth-to-space), and 3947.50 MHz, 3948 MHz, 3952 MHz and 3952.50 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20180611-01104** E E170135 Intelsat License LLC

Special Temporary Authority  
Grant of Authority

Date Effective: 06/19/2018

**Class of Station:**

On June 19, 2018, Intelsat License LLC was granted special temporary authority for 60 days, beginning June 19, 2018, to operate its fixed earth station in Hagerstown, MD with the Intelsat 37e satellite at the 18.0° W.L. orbital location in the 13.0-13.25 GHz and 13.75-14.50 GHz bands (Earth-to-space) and 10.7-11.95 GHz band (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20180613-01096** E E160081 UNITED TELEPORTS INC.

Special Temporary Authority  
Grant of Authority

Date Effective: 06/22/2018

**Class of Station:**

On June 22, 2018, United Teleports Inc. was granted special temporary authority for 30 days, beginning June 22, 2018, to operate its fixed earth station in PORT ST. LUCIE, FL to provide telemetry, tracking and command (TT & C) services related to on-station station keeping operations for ASTRA ID satellite while positioned at 73.0° W. L. on center frequencies: 14013.00 MHz and 14493.00 MHz (Earth-to-space); and 11447.50 MHz and 11454.00 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20180613-01098** E E980502 Intelsat License LLC

Special Temporary Authority  
Grant of Authority

Date Effective: 06/25/2018

**Class of Station:**

On June 25, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning June 25, 2018, to operate its fixed earth station in Ellenwood, GA to provide telemetry, tracking and command (TT&C) services for the Intelsat 9 (S2380) satellite as it drifts from the 29.5° W.L. orbital location to the 66.15 ° E. L orbital location in the 14.0005 GHz and 14.4945 GHz (Earth-to-space), and 11.7005 GHz and 11.702 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20180613-01101** E E140121 Intelsat License LLC

Special Temporary Authority  
Grant of Authority

Date Effective: 06/25/2018

**Class of Station:**

On June 25, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning June 25, 2018, to operate its fixed earth station in Mountainside, MD to provide telemetry, tracking and command (TT&C) services for the Intelsat 9 (S2380) satellite as it drifts from the 29.5° W.L. orbital location to the 66.15 ° E.L. orbital location in the 14.0005 GHz and 14.4945 GHz (Earth-to-space), and 11.7005 GHz and 11.702 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20180613-01102** E KA258 Intelsat License LLC

Special Temporary Authority  
Grant of Authority

Date Effective: 06/25/2018

**Class of Station:**

On June 25, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning June 25, 2018, to operate its fixed earth station in Mountainside, MD to provide telemetry, tracking, and command (TT&C) services for the Intelsat 9 (S2380) satellite as it drifts from the 29.5° W.L. orbital location to the 66.15 ° E. L orbital location in the 14.0005 GHz and 14.4945 GHz (Earth-to-space), and 11.7005 GHz and 11.702 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

**SES-STA-20180615-01080** E E880547 WALGREEN CO.

Special Temporary Authority  
Grant of Authority

Date Effective: 06/21/2018

**Class of Station:**

On June 21, 2018, Walgreen Co. was granted special temporary authority for 60 days, beginning June 22, 2018, to operate multiple units of the 0.98-meter Prodelin model 9008668 antenna terminals to communicate with the Galaxy 17 (S2715) satellite at the 91° W.L. orbital location in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

**CORRECTIONS**

**SES-RWL-20180116-00024** E030029 Telesat Network Services, Inc.

This application was mistakenly placed on the action taken PN on 3/7/2016.

**Dismissal**

**SES-RWL-20180522-00745** E5543 Omni III Cable TV

This is a duplicate filing for Renewal E5543, See File Number (SES-RWL-20180522-01113).

**SES-STA-20180613-01261** E170205 Alaska Communications Internet, LLC

Application is dismissed, SES-MOD-20180413-00352 has been granted.

**SURRENDER**

**SES-LIC-20030512-00635** E030110 Univision Radio License Corporation

License surrendered by letter filed on June 22, 2018.

**SES-REG-20030915-01252** E030203 South Texas Public Broadcasting System, Inc

License surrendered by letter filed on June 19, 2018.

**SES-REG-20091026-01354** E090183 Falcon Video Communications, L.P.

License surrendered by letter filed on June 20, 2018.

**SES-RWL-20040714-00995** E940501 Bresnan Communications, LLC

License surrendered by letter filed on June 20, 2018.

**SES-RWL-20060411-00616** E860649 Time Warner Cable New York City LLC

License surrendered by letter filed on June 20, 2018.

**SES-RWL-20061031-01930** E865064 Time Warner Cable New York City LLC

License surrendered by letter filed on June 20, 2018.

**SES-RWL-20100614-00696** WE54 Falcon Cablevision, a California Limited Partnership

License surrendered by letter filed on June 20, 2018.

**SES-RWL-20100823-01070** E900314 Time Warner Cable New York City LLC

License surrendered by letter filed on June 20, 2018.

**SES-RWL-20100928-01209** E900489 Bresnan Communications, LLC

License surrendered by letter filed on June 20, 2018.

**SES-RWL-20110322-00341** E910245 Falcon Cable Systems Company II, L.P.

License surrendered by letter filed on June 20, 2018.

**SES-RWL-20110810-00936** E3573 Falcon Telecable, a California Limited Partnership

License surrendered by letter filed on June 20, 2018.

**SES-RWL-20111122-01391** E3955 Falcon Cable Systems Company II, L.P.

**SURRENDER**

License surrendered by letter filed on June 20, 2018.

**SES-RWL-20170627-00681**      KT50      Falcon Video Communications, L.P.

License surrendered by letter filed on June 20, 2018.

**SES-RWL-20170706-00734**      E920553      Falcon Video Communications, L.P.

License surrendered by letter filed on June 20, 2018.

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