



PUBLIC NOTICE

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Report No. SES-02233

Wednesday January 15, 2020

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-ASG-20190913-01137 E E110102 Live Mobile Group LLC

Application for Consent to Assignment
Grant of Authority

Date Effective: 01/14/2020

Current Licensee: TNDV Television, LLC
FROM: TNDV Television, LLC
TO: Live Mobile Group LLC

No. of Station(s) listed: 2

SES-ASG-20190913-01138 E E040128 Live Mobile Group LLC

Application for Consent to Assignment
Grant of Authority

Date Effective: 01/14/2020

Current Licensee: Costal Satellite, Inc.
FROM: Coastal Satellite, Inc.
TO: Live Mobile Group LLC

No. of Station(s) listed: 5

SES-ASG-20190916-01136 E E080207 Live Mobile Group LLC

Application for Consent to Assignment
Grant of Authority

Date Effective: 01/14/2020

Current Licensee: Harb Production Services LLC
FROM: HARB PRODUCTION SERVICES LLC
TO: Live Mobile Group LLC

No. of Station(s) listed: 3

SES-ASG-20191211-01713	E	E180136	WREG License, LLC	
Application for Consent to Assignment				
Grant of Authority			Date Effective:	01/13/2020
Current Licensee:		WREG License, LLC		
FROM:		WREG LICENSE, LLC		
TO:		Tribune Broadcasting Company II, LLC		
			No. of Station(s) listed:	2
SES-ASG-20191211-01714	E	E180135	WJW License, LLC	
Application for Consent to Assignment				
Grant of Authority			Date Effective:	01/13/2020
Current Licensee:		WJW License, LLC		
FROM:		WJW License, LLC		
TO:		Tribune Broadcasting Company II, LLC		
			No. of Station(s) listed:	2
SES-ASG-20191211-01748	E	E180111	WGHP License, LLC	
Application for Consent to Assignment				
Grant of Authority			Date Effective:	01/13/2020
Current Licensee:		WGHP LICENSE, LLC		
FROM:		WGHP LICENSE, LLC		
TO:		Tribune Broadcasting Company II, LLC		
			No. of Station(s) listed:	1
SES-ASG-20191211-01749	E	E180382	WHNT License, LLC	
Application for Consent to Assignment				
Grant of Authority			Date Effective:	01/13/2020
Current Licensee:		WHNT LICENSE, LLC		
FROM:		WHNT LICENSE, LLC		
TO:		Tribune Broadcasting Company II, LLC		
			No. of Station(s) listed:	2
SES-ASG-20191211-01750	E	E190114	Tribune Broadcasting Oklahoma City License, LLC	
Application for Consent to Assignment				
Grant of Authority			Date Effective:	01/13/2020
Current Licensee:		TRIBUNE BROADCASTING OKLAHOMA CITY LICENSE, LLC		
FROM:		TRIBUNE BROADCASTING OKLAHOMA CITY LICENSE, LLC		
TO:		Tribune Broadcasting Company II, LLC		
			No. of Station(s) listed:	2
SES-ASG-20191212-01699	E	E110034	WREG License, LLC	
Application for Consent to Assignment				
Grant of Authority			Date Effective:	01/13/2020
Current Licensee:		WREG License, LLC		
FROM:		WREG LICENSE, LLC		
TO:		Tribune Broadcasting Company II, LLC		
			No. of Station(s) listed:	4

SES-ASG-20191212-01700	E	E110116	WHO License, LLC	
Application for Consent to Assignment				
Grant of Authority				Date Effective: 01/13/2020
Current Licensee: WHO License, LLC				
FROM: WHO License, LLC				
TO: Tribune Broadcasting Company II, LLC				
				No. of Station(s) listed: 1
SES-ASG-20191212-01701	E	E060142	WJW License, LLC	
Application for Consent to Assignment				
Grant of Authority				Date Effective: 01/13/2020
Current Licensee: WJW License, LLC				
FROM: WJW License, LLC				
TO: Tribune Broadcasting Company II, LLC				
				No. of Station(s) listed: 3
SES-ASG-20191212-01702	E	E910615	WHNT License, LLC	
Application for Consent to Assignment				
Grant of Authority				Date Effective: 01/13/2020
Current Licensee: WHNT License, LLC				
FROM: WHNT LICENSE, LLC				
TO: Tribune Broadcasting Company II, LLC				
				No. of Station(s) listed: 2
SES-ASG-20191212-01703	E	E090127	WGHP License, LLC	
Application for Consent to Assignment				
Grant of Authority				Date Effective: 01/13/2020
Current Licensee: WGHP License, LLC				
FROM: WGHP LICENSE, LLC				
TO: Tribune Broadcasting Company II, LLC				
				No. of Station(s) listed: 2
SES-ASG-20191212-01704	E	E020032	Tribune Broadcasting Oklahoma City License, LLC	
Application for Consent to Assignment				
Grant of Authority				Date Effective: 01/13/2020
Current Licensee: Tribune Broadcasting Oklahoma City License, LLC				
FROM: TRIBUNE BROADCASTING OKLAHOMA CITY LICENSE, LLC				
TO: Tribune Broadcasting Company II, LLC				
				No. of Station(s) listed: 3
SES-ASG-20191212-01705	E	E080247	Tribune Broadcasting Fort Smith License, LLC	
Application for Consent to Assignment				
Grant of Authority				Date Effective: 01/13/2020
Current Licensee: Cape Publications, Inc.				
FROM: Tribune Broadcasting Fort Smith License, LLC				
TO: Tribune Broadcasting Company II, LLC				
				No. of Station(s) listed: 2

SES-ASG-20191212-01747 E E980465 City of Tacoma
Application for Consent to Assignment
Grant of Authority

Date Effective: 01/14/2020

Current Licensee: City of Tacoma
FROM: CITY OF TACOMA
TO: Rainier Connect North, LLC

No. of Station(s) listed: 1

SES-LIC-20190612-00769 E E190490 Swarm Technologies, Inc.
Application for Authority
Grant of Authority

01/13/2020 - 01/13/2035

Date Effective: 01/13/2020

Class of Station: Blanket Earth Stations

Nature of Service: Mobile Satellite Service

ORBCOMM License Corp. (ORBCOMM) filed a Petition to Dismiss, Deny, or Hold in Abeyance the blanket license application filed by Swarm Technologies Inc. (Swarm), to which Swarm filed an Opposition. ORBCOMM License Corp., Petition to Dismiss, Deny, or Hold in Abeyance, IBFS File No. SAT-LIC-201910612-00769 (filed Sept., 27, 2019); Opposition of Swarm Technologies Inc., IBFS File No. SAT-LIC-201910612-00769 (filed Oct. 10, 2019). ORBCOMM's Petition replicates the arguments made by ORBCOMM in its Petition to Dismiss, Deny, or Hold in Abeyance Swarm's application to construct, deploy, and operate a constellation of 150 technically identical non-voice, non-geostationary satellites in low-earth orbit for the provision of mobile-satellite services space station. ORBCOMM License Corp., Petition to Dismiss, Deny, or Hold in Abeyance, IBFS File No. SAT-LOA-20181221-00094 (filed April 1, 2019). ORBCOMM's arguments have since been addressed, and ORBCOMM's April 1 Petition denied, in the Satellite Division's Memorandum Opinion and Authorization granting, with conditions, Swarm's space station constellation application. IBFS File No. SAT-LOA-20181221-00094 (granted on Oct. 17, 2019). Accordingly, we also dismiss ORBCOMM's Petition in this application proceeding, and note that Swarm's operation of the user terminals authorized under this blanket license is subject to compliance with the Satellite Division's Memorandum Opinion and Authorization granting, with conditions, Swarm's space station constellation application in IBFS File No. SAT-LOA-20181221-00094.

SITE ID: Blanket License 1
LOCATION: CONUS, Alaska, Hawaii

ANTENNA ID:	W1/4-2IN	0.05 meters	Various	Various
	137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)
	137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
	148.2500 - 149.9500 MHz	7K80F1D	-3.00 dBW	FSK / data (non-voice)
	148.2500 - 148.5850 MHz	250KF1D	-3.00 dBW	FSK / data (non-voice)
ANTENNA ID:	W1/4-4IN	0.1 meters	Various	Various
	137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)
	137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
	148.2500 - 149.9500 MHz	7K80F1D	-1.00 dBW	FSK / data (non-voice)
	148.2500 - 148.5850 MHz	250KF1D	-1.00 dBW	FSK / data (non-voice)
ANTENNA ID:	W1/4-6IN	0.15 meters	Various	Various
	137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)

137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
148.2500 - 149.9500 MHz	7K80F1D	0.99 dBW	FSK / data (non-voice)
148.2500 - 148.5850 MHz	250KF1D	0.99 dBW	FSK / data (non-voice)
ANTENNA ID: W1/4-8IN	0.2 meters	Various	Various
137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)
137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
148.2500 - 149.9500 MHz	7K80F1D	5.00 dBW	FSK / data (non-voice)
148.2500 - 148.5850 MHz	250KF1D	5.00 dBW	FSK / data (non-voice)
ANTENNA ID: W1/4	0.55 meters	Various	Various
137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data
137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
148.2500 - 149.9500 MHz	7K80F1D	9.00 dBW	FSK / data (non-voice)
148.2500 - 148.5850 MHz	250KF1D	9.00 dBW	FSK / data (non-voice)
ANTENNA ID: W1/2	1.1 meters	Various	Various
137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)
137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
148.2500 - 149.9500 MHz	7K80F1D	9.00 dBW	FSK / data (non-voice)
148.2500 - 148.5850 MHz	250KF1D	9.00 dBW	FSK / data (non-voice)
ANTENNA ID: FLATPANEL	0.2 meters	Various	Various
137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)
137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
148.2500 - 149.9500 MHz	7K80F1D	9.00 dBW	FSK / data (non-voice)
148.2500 - 148.5850 MHz	250KF1D	9.00 dBW	FSK / data (non-voice)
ANTENNA ID: H-DIPOLE	1.1 meters	Various	Various
137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)
137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)

148.2500 - 149.9500 MHz	7K80F1D	7.00 dBW	FSK / data (non-voice)
148.2500 - 148.5850 MHz	250KF1D	7.00 dBW	FSK / data (non-voice)
ANTENNA ID: COLINEAR	3.1 meters	Various	Various
137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)
137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
148.2500 - 149.9500 MHz	7K80F1D	12.50 dBW	FSK / data (non-voice)
148.2500 - 148.5850 MHz	250KF1D	12.50 dBW	FSK / data (non-voice)

Points of Communication:

Blanket License 1 - Swarm (S3041) - (NGSO)

SES-LIC-20191022-01365	E E190859	Swarm Technologies, Inc.	01/13/2020 - 01/13/2035
Application for Authority			Date Effective: 01/13/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Mobile Satellite Service

SITE ID: Wailuku HI Gateway

LOCATION: 640 Luakalae Place, Maui, Wailuku, HI
20 ° 54 ' 1.90 " N LAT.

156 ° 30 ' 16.60 " W LONG.

ANTENNA ID: QFH	1.6 meters	Swarm	003
148.2500 - 149.9500 MHz	7K80F1D	10.00 dBW	FSK / data (non-voice)
148.2500 - 148.5850 MHz	250KF1D	10.00 dBW	FSK / data (non-voice)
137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)
137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
ANTENNA ID: W1/2	1.1 meters	Swarm	001
148.2500 - 149.9500 MHz	7K80F1D	12.00 dBW	FSK / data (non-voice)
148.2500 - 148.5850 MHz	250KF1D	12.00 dBW	FSK / data (non-voice)
137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)
137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
ANTENNA ID: COLINEAR	3 meters	Swarm	002

148.2500 - 149.9500 MHz	7K80F1D	15.50 dBW	FSK / data (non-voice)
148.2500 - 148.5850 MHz	250KF1D	15.50 dBW	FSK / data (non-voice)
137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)
137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
ANTENNA ID: YAGI	1.7 meters	Swarm	004
148.2500 - 149.9500 MHz	7K80F1D	21.00 dBW	FSK / data (non-voice)
148.2500 - 148.5850 MHz	250KF1D	21.00 dBW	FSK / data (non-voice)
137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)
137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
ANTENNA ID: W1/4	0.55 meters	Swarm	005
148.2500 - 149.9500 MHz	7K80F1D	12.00 dBW	FSK / data (non-voice)
148.2500 - 148.5850 MHz	250KF1D	12.00 dBW	FSK / data (non-voice)
137.0250 - 138.0000 MHz	7K80F1D	0.00 dBW	FSK / data (non-voice)
137.8125 - 138.0000 MHz	125KF1D	0.00 dBW	FSK / data (non-voice)
Points of Communication:			
Wailuku HI Gateway - Swarm (S3041) - (NGSO)			
SES-LIC-20191023-01384	E E190887	WML Services, LLC	
Application for Authority			01/09/2020 - 01/09/2035
Grant of Authority			Date Effective: 01/09/2020
Class of Station:	Temporary Fixed Earth Station		
Nature of Service:	Fixed Satellite Service		
SITE ID:	1		
LOCATION:	ALL US TERRITORIES (NY3 NS-4), CONUS, AK, HI,		
ANTENNA ID: NS-4	2.4 meters	AVL Technologies	2400
11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio
11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio
14000.0000 - 14500.0000 MHz	36M0G7F	73.82 dBW	Compressed Digital Video and Audio
14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20191023-01385 E E190888 WML Services, LLC

Application for Authority

01/09/2020 - 01/09/2035

Grant of Authority

Date Effective: 01/09/2020

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: ALL US TERRITORIES (LA2 NS-3), CONUS, AK, HI,

ANTENNA ID: NS-3 2.4 meters AVL Technologies 2400

11700.0000 - 12200.0000 MHz 36M0G7F 0.00 dBW Compressed Digital Video and Audio

11700.0000 - 12200.0000 MHz 4M00G7F 0.00 dBW Compressed Digital Video and Audio

14000.0000 - 14500.0000 MHz 36M0G7F 73.82 dBW Compressed Digital Video and Audio

14000.0000 - 14500.0000 MHz 4M00G7F 64.28 dBW Compressed Digital Video and Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20191023-01386 E E190889 WML Services, LLC

Application for Authority

01/09/2020 - 01/09/2035

Grant of Authority

Date Effective: 01/09/2020

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: ALL US TERRITORIES (OH NS-2), CONUS, AK, HI,

ANTENNA ID: NS-2 2.4 meters AVL Technologies 2400

11700.0000 - 12200.0000 MHz 36M0G7F 0.00 dBW Compressed Digital Video and Audio

11700.0000 - 12200.0000 MHz 4M00G7F 0.00 dBW Compressed Digital Video and Audio

14000.0000 - 14500.0000 MHz 36M0G7F 73.82 dBW Compressed Digital Video and Audio

14000.0000 - 14500.0000 MHz 4M00G7F 64.28 dBW Compressed Digital Video and Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20191023-01387 E E190890 WML Services, LLC

Application for Authority

01/09/2020 - 01/09/2035

Grant of Authority

Date Effective: 01/09/2020

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: ALL US TERRITORIES (ATL NS-1), CONUS, AK, HI,

ANTENNA ID:	NS-1	2.4 meters	AVL Technologies	2400
11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio	
11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio	
14000.0000 - 14500.0000 MHz	36M0G7F	73.82 dBW	Compressed Digital Video and Audio	
14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio	

Points of Communication:

1 - PERMITTED LIST - ()

SES-MFS-20181128-03302 E E100089 Panasonic Avionics Corporation

Modification

08/31/2011 - 08/31/2026

Grant of Authority

Date Effective: 01/14/2020

Class of Station: Other

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

SITE ID: MELCO Remotes

LOCATION: US&P, International waters, US&P, International

ANTENNA ID:	MELCO	0.68 meters	Mitsubishi Electronics	726-20176-101
14000.0000 - 14400.0000 MHz	9M00G7D	42.15 dBW	BPSK, QPSK DIGITAL DATA	
14000.0000 - 14400.0000 MHz	500KG7D	32.70 dBW	BPSK, QPSK DIGITAL DATA	
10950.0000 - 11200.0000 MHz	1M20G7D		BPSK, QPSK DIGITAL DATA	
10950.0000 - 11200.0000 MHz	27M0G7D		BPSK, QPSK DIGITAL DATA	
10950.0000 - 11200.0000 MHz	54M0G7D		BPSK, QPSK DIGITAL DATA	
11450.0000 - 12200.0000 MHz	1M20G7D		BPSK, QPSK DIGITAL DATA	
11450.0000 - 12200.0000 MHz	27M0G7D		BPSK, QPSK DIGITAL DATA	
11450.0000 - 12200.0000 MHz	54M0G7D		BPSK, QPSK DIGITAL DATA	

11700.0000 - 12200.0000 MHz	1M20G7D		BPSK, QPSK DIGITAL DATA
11700.0000 - 12200.0000 MHz	54M0G7D		BPSK, QPSK DIGITAL DATA
14000.0000 - 14400.0000 MHz	9M00G7D	39.85 dBW	BPSK, QPSK
14000.0000 - 14400.0000 MHz	500KG7D	27.30 dBW	BPSK, QPSK
SITE ID: PPA Remotes			
LOCATION: US&P, International waters, US&P, International			
ANTENNA ID: PPA	0.89 meters	PANASONIC	AURA LE
11450.0000 - 12750.0000 MHz	36M0G7D		PSK
10700.0000 - 12750.0000 MHz	1M20G7D		PSK
10700.0000 - 12750.0000 MHz	36M0G7D		PSK
10700.0000 - 12750.0000 MHz	54M0G7D		PSK
12500.0000 - 12750.0000 MHz	1M20G7D		PSK
12250.0000 - 12750.0000 MHz	54M0G7D		PSK
12250.0000 - 12750.0000 MHz	1M20G7D		PSK
11700.0000 - 12200.0000 MHz	54M0G7D		PSK
11700.0000 - 12200.0000 MHz	1M20G7D		PSK
11450.0000 - 12750.0000 MHz	27M0G7D		PSK
11450.0000 - 12750.0000 MHz	1M20G7D		PSK
10950.0000 - 11700.0000 MHz	54M0G7D		PSK
10950.0000 - 11700.0000 MHz	1M20G7D		PSK
10950.0000 - 11200.0000 MHz	27M0G7D		PSK
11700.0000 - 12200.0000 MHz	36M0G7D		PSK
10950.0000 - 12500.0000 MHz	54M0G7D		PSK
10950.0000 - 12500.0000 MHz	36M0G7D		PSK
10950.0000 - 12500.0000 MHz	1M20G7D		PSK
10950.0000 - 12200.0000 MHz	54M0G7D		PSK
10950.0000 - 12200.0000 MHz	1M20G7D		PSK

10950.0000 - 11200.0000 MHz	48M6G7D	PSK
11450.0000 - 12200.0000 MHz	1M20G7D	PSK
11450.0000 - 12200.0000 MHz	48M6G7D	PSK
11450.0000 - 12200.0000 MHz	54M0G7D	PSK
12500.0000 - 12600.0000 MHz	1M20G7D	PSK
12500.0000 - 12600.0000 MHz	48M6G7D	PSK
12500.0000 - 12600.0000 MHz	54M0G7D	PSK
10950.0000 - 11200.0000 MHz	1M20G7D	PSK
10700.0000 - 12750.0000 MHz	1M05G7D	QPSK, 16APSK
10950.0000 - 11200.0000 MHz	1M05G7D	QPSK, 16APSK
10950.0000 - 11200.0000 MHz	72M0G7D	QPSK, 16APSK
10950.0000 - 11700.0000 MHz	1M05G7D	QPSK, 16APSK
10950.0000 - 12200.0000 MHz	112MG7D	QPSK, 16APSK
10950.0000 - 12200.0000 MHz	1M05G7D	QPSK, 16APSK
11200.0000 - 11450.0000 MHz	139MG7D	QPSK, 16APSK
11200.0000 - 11450.0000 MHz	54M0G7D	QPSK, 16APSK
11450.0000 - 11700.0000 MHz	1M05G7D	QPSK, 16APSK
11450.0000 - 12200.0000 MHz	1M05G7D	QPSK, 16APSK
11450.0000 - 12200.0000 MHz	97M2G7D	QPSK, 16APSK
11450.0000 - 12750.0000 MHz	72M0G7D	QPSK, 16APSK
12200.0000 - 12750.0000 MHz	139MG7D	QPSK, 16APSK
12200.0000 - 12750.0000 MHz	54M0G7D	QPSK, 16APSK
12250.0000 - 12750.0000 MHz	72M0G7D	QPSK, 16APSK
12500.0000 - 12750.0000 MHz	72M0G7D	QPSK, 16APSK
10700.0000 - 12200.0000 MHz	139MG7D	QPSK, 16APSK
10700.0000 - 12200.0000 MHz	1M05G7D	QPSK, 16APSK

10950.0000 - 11200.0000 MHz	139MG7D	QPSK, 16APSK
10950.0000 - 11200.0000 MHz	54M0G7D	QPSK, 16APSK
10950.0000 - 11200.0000 MHz	97M2G7D	QPSK, 16APSK
10950.0000 - 11700.0000 MHz	72M0G7D	QPSK, 16APSK
10950.0000 - 12200.0000 MHz	125MG7D	QPSK, 16APSK
10950.0000 - 12200.0000 MHz	36M0G7W	QPSK, 16APSK
11200.0000 - 11450.0000 MHz	1M05G7D	QPSK, 16APSK
11450.0000 - 11700.0000 MHz	139MG7D	QPSK, 16APSK
11450.0000 - 11700.0000 MHz	1M05G7D	QPSK, 16APSK
11450.0000 - 11700.0000 MHz	54M0G7D	QPSK, 16APSK
11450.0000 - 12200.0000 MHz	27M0G7D	QPSK, 16APSK
11450.0000 - 12200.0000 MHz	36M0G7D	QPSK, 16APSK
11450.0000 - 12750.0000 MHz	1M05G7D	QPSK, 16APSK
11700.0000 - 12200.0000 MHz	1M05G7D	QPSK, 16APSK
12200.0000 - 12750.0000 MHz	1M05G7D	QPSK, 16APSK
12200.0000 - 12750.0000 MHz	36M0G7D	QPSK, 16APSK
12250.0000 - 12750.0000 MHz	1M50G7D	QPSK, 16APSK
12500.0000 - 12600.0000 MHz	1M05G7D	QPSK, 16APSK
12500.0000 - 12600.0000 MHz	97M2G7D	QPSK, 16APSK
12500.0000 - 12750.0000 MHz	1M05G7D	QPSK, 16APSK
12500.0000 - 12750.0000 MHz	54M0G7D	QPSK, 16APSK
12250.0000 - 12750.0000 MHz	1M05G7D	QPSK, 16APSK
11450.0000 - 12450.0000 MHz	1M05G7D	QPSK, 16APSK
11450.0000 - 12450.0000 MHz	139MG7D	QPSK, 16APSK
10700.0000 - 12750.0000 MHz	139MG7D	QPSK, 16APSK
10700.0000 - 11450.0000 MHz	1M05G7D	QPSK, 16APSK

10700.0000 - 11450.0000 MHz	139MG7D	QPSK, 16APSK
SITE ID:	SPA Remotes	
LOCATION:	U.S. AND INTERNATIONAL AIRSPACE, US & International A	
ANTENNA ID:	SPA	0.949 meters PANASONIC SPA
10700.0000 - 12750.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
10700.0000 - 12750.0000 MHz	36M0G7D	QPSK, 8PSK, 16APSK
10950.0000 - 11700.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
10950.0000 - 11700.0000 MHz	54M0G7D	QPSK, 8PSK, 16APSK
10950.0000 - 12500.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
10950.0000 - 12500.0000 MHz	54M0G7D	QPSK, 8PSK, 16APSK
11450.0000 - 11700.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
11450.0000 - 11950.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
11450.0000 - 11950.0000 MHz	54M0G7D	QPSK, 8PSK, 16APSK
11450.0000 - 12200.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
11450.0000 - 12200.0000 MHz	54M0G7D	QPSK, 8PSK, 16APSK
11450.0000 - 12750.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
11450.0000 - 12750.0000 MHz	36M0G7D	QPSK, 8PSK, 16APSK
11450.0000 - 12750.0000 MHz	54M0G7D	QPSK, 8PSK, 16APSK
11700.0000 - 12200.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
11700.0000 - 12200.0000 MHz	36M0G7D	QPSK, 8PSK, 16APSK
11700.0000 - 12200.0000 MHz	54M0G7D	QPSK, 8PSK, 16APSK
12200.0000 - 12750.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
12200.0000 - 12750.0000 MHz	36M0G7D	QPSK, 8PSK, 16APSK
12250.0000 - 12750.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
12250.0000 - 12750.0000 MHz	54M0G7D	QPSK, 8PSK, 16APSK
12500.0000 - 12750.0000 MHz	36M0G7D	QPSK, 8PSK, 16APSK
12500.0000 - 12600.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK

12500.0000 - 12600.0000 MHz	48M6G7D	QPSK, 8PSK, 16APSK
12500.0000 - 12600.0000 MHz	54M0G7D	QPSK, 8PSK, 16APSK
10950.0000 - 11200.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
10950.0000 - 11200.0000 MHz	48M6G7D	QPSK, 8PSK, 16APSK
11450.0000 - 12200.0000 MHz	48M6G7D	QPSK, 8PSK, 16APSK
12500.0000 - 12750.0000 MHz	1M20G7D	QPSK, 8PSK, 16APSK
10700.0000 - 12750.0000 MHz	1M05G7D	QPSK, 16APSK
10950.0000 - 11200.0000 MHz	54M0G7D	QPSK, 16APSK
10950.0000 - 11700.0000 MHz	1M05G7D	QPSK, 16APSK
10950.0000 - 12200.0000 MHz	125MG7D	QPSK, 16APSK
11200.0000 - 11450.0000 MHz	139MG7D	QPSK, 16APSK
11450.0000 - 11700.0000 MHz	139MG7D	QPSK, 16APSK
11450.0000 - 11950.0000 MHz	1M05G7D	QPSK, 16APSK
11450.0000 - 12200.0000 MHz	27M0G7D	QPSK, 16APSK
12200.0000 - 12750.0000 MHz	54M0G7D	QPSK, 16APSK
12500.0000 - 12600.0000 MHz	97M2G7D	QPSK, 16APSK
12500.0000 - 12750.0000 MHz	72M0G7D	QPSK, 16APSK
10700.0000 - 12200.0000 MHz	139MG7D	QPSK, 16APSK
10950.0000 - 11200.0000 MHz	72M0G7D	QPSK, 16APSK
10950.0000 - 11700.0000 MHz	139MG7D	QPSK, 16APSK
10950.0000 - 12200.0000 MHz	112MG7D	QPSK, 16APSK
10950.0000 - 12200.0000 MHz	27M0G7W	QPSK, 16APSK
11200.0000 - 11450.0000 MHz	54M0G7D	QPSK, 16APSK
11450.0000 - 11700.0000 MHz	1M05G7D	QPSK, 16APSK
11450.0000 - 11950.0000 MHz	72M0G7D	QPSK, 16APSK
11450.0000 - 12200.0000 MHz	97M2G7D	QPSK, 16APSK

12250.0000 - 12750.0000 MHz	72M0G7D		QPSK, 16APSK
10700.0000 - 12200.0000 MHz	1M05G7D		QPSK, 16APSK
10950.0000 - 11200.0000 MHz	139MG7D		QPSK, 16APSK
10950.0000 - 11200.0000 MHz	1M05G7D		QPSK, 16APSK
10950.0000 - 11200.0000 MHz	97M2G7D		QPSK, 16APSK
10950.0000 - 11700.0000 MHz	72M0G7D		QPSK, 16APSK
10950.0000 - 12200.0000 MHz	1M05G7D		QPSK, 16APSK
11200.0000 - 11450.0000 MHz	1M05G7D		QPSK, 16APSK
11450.0000 - 11700.0000 MHz	54M0G7D		QPSK, 16APSK
11450.0000 - 12200.0000 MHz	1M05G7D		QPSK, 16APSK
11700.0000 - 12200.0000 MHz	1M05G7D		QPSK, 16APSK
12200.0000 - 12750.0000 MHz	139MG7D		QPSK, 16APSK
12200.0000 - 12750.0000 MHz	1M05G7D		QPSK, 16APSK
12500.0000 - 12600.0000 MHz	1M50G7D		QPSK, 16APSK
12500.0000 - 12750.0000 MHz	1M05G7D		QPSK, 16APSK
12500.0000 - 12750.0000 MHz	54M0G7D		QPSK, 16APSK
12250.0000 - 12750.0000 MHz	1M05G7D		QPSK, 16APSK
11450.0000 - 12450.0000 MHz	1M05G7D		QPSK, 16APSK
11450.0000 - 12450.0000 MHz	139MG7D		QPSK, 16APSK
10700.0000 - 12750.0000 MHz	139MG7D		QPSK, 16APSK
10700.0000 - 11450.0000 MHz	1M05G7D		QPSK, 16APSK
10700.0000 - 11450.0000 MHz	139MG7D		QPSK, 16APSK
SITE ID:	TECOM Remotes		
LOCATION:	US&P, International waters, US&P, International		
ANTENNA ID:	TECOM	0.62 meters	TECOM
			KU-STREAM 1000
14000.0000 - 14500.0000 MHz	9M00G7D	43.80 dBW	BPSK, QPSK DIGITAL DATA
10950.0000 - 11200.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK

10950.0000 - 11200.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
10950.0000 - 11700.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
10950.0000 - 11700.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
10950.0000 - 12200.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
10950.0000 - 12200.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
11450.0000 - 11700.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
11450.0000 - 11700.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
11450.0000 - 12200.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
11450.0000 - 12200.0000 MHz	54M0G7D		QPSK, 8PSK, 16APSK
11700.0000 - 12200.0000 MHz	1M20G7D		QPSK, 8PSK, 16APSK
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK, 8PSK, 16APSK
14000.0000 - 14500.0000 MHz	500KG7D	43.80 dBW	BPSK, QPSK DIGITAL DATA
10700.0000 - 12200.0000 MHz	139MG7D		QPSK, 16APSK
10950.0000 - 11200.0000 MHz	1M05G7D		QPSK, 16APSK
10950.0000 - 12200.0000 MHz	27M0G7W		QPSK, 16APSK
11200.0000 - 11450.0000 MHz	1M05G7D		QPSK, 16APSK
11450.0000 - 11700.0000 MHz	139MG7D		QPSK, 16APSK
11450.0000 - 12200.0000 MHz	27M0G7D		QPSK, 16APSK
11450.0000 - 12200.0000 MHz	36M0G7D		QPSK, 16APSK
11700.0000 - 12200.0000 MHz	54M0G7D		QPSK, 16APSK
12200.0000 - 12750.0000 MHz	1M50G7D		QPSK, 16APSK
14000.0000 - 14500.0000 MHz	21M0G7D	43.80 dBW	QPSK
14000.0000 - 14500.0000 MHz	32K0G7D	40.39 dBW	QPSK
10700.0000 - 12200.0000 MHz	1M05G7D		QPSK, 16APSK
10950.0000 - 11200.0000 MHz	139MG7D		QPSK, 16APSK
10950.0000 - 11700.0000 MHz	1M05G7D		QPSK, 16APSK

11200.0000 - 11450.0000 MHz	139MG7D	QPSK, 16APSK
11200.0000 - 11450.0000 MHz	54M0G7D	QPSK, 16APSK
11450.0000 - 11700.0000 MHz	1M05G7D	QPSK, 16APSK
11450.0000 - 12200.0000 MHz	1M05G7D	QPSK, 16APSK
11700.0000 - 12200.0000 MHz	1M50G7D	QPSK, 16APSK
12200.0000 - 12750.0000 MHz	139MG7D	QPSK, 16APSK
12200.0000 - 12750.0000 MHz	54M0G7D	QPSK, 16APSK
10950.0000 - 12200.0000 MHz	1M05G7D	QPSK, 16APSK

Points of Communication:

MELCO Remotes - E117 WA (S2873) - (116.8 W.L.)

MELCO Remotes - ESTRELA DO SUL 2 - (63 W.L.)

MELCO Remotes - TELSTAR 11N (S2357) - (37.5 W.L.)

PPA Remotes - ANIK G1 - (107.3 W.L.)

PPA Remotes - APSTAR 6(M292090) - (226 W.L.)

PPA Remotes - APSTAR 6C(M161190) - (134 E.L.)

PPA Remotes - APSTAR 6D(M246190) - (134 E.L.)

PPA Remotes - Apstar 7 - (76.5 E.L.)

PPA Remotes - AsiaSat 5 - (100.5E)

PPA Remotes - AsiaSat 7 - (105.5 E.L.)

PPA Remotes - AsiaSat-9 - (122 E.L.)

PPA Remotes - Chinasat 10(M246191) - (110.5 E.L.)

PPA Remotes - E117 WA (S2873) - (116.8 W.L.)

PPA Remotes - ESTRELA DO SUL 2 - (63 W.L.)

PPA Remotes - Eutelsat 10A (W2A) - (10.0 E.L.)

PPA Remotes - Eutelsat 70B - (70.5 E.L.)

PPA Remotes - EUTELSAT115WB(S2938) - (114.9 W.L.)

PPA Remotes - EUTELSAT172B(S3021) - (172 E.L.)

PPA Remotes - Express AM5 - (140.0 E. L)

PPA Remotes - Express AM6 - (53.0 E.L.)

PPA Remotes - GALAXY 16 (S2687) - (99 W.L.)

PPA Remotes - INTELSAT 14 (S2785) - (45.0 W.L.)

PPA Remotes - INTELSAT 15 (S2789) - (85.15 E.L.)

PPA Remotes - INTELSAT 21 (S2863) - (58.0 W.L.)

PPA Remotes - INTELSAT 29e (S2913) - (50.0 W.L.)

PPA Remotes - INTELSAT 33e (S2939) - (60.0 E.L.)

PPA Remotes - JCSAT 5A - (132 E.L.)

PPA Remotes - JCSAT-2B - (154 E.L.)

PPA Remotes - PERMITTED LIST - ()

PPA Remotes - SES-12 (M192103) - (95 E.L.)

PPA Remotes - SES-14 (S2974) - (47.5 W.L.)

PPA Remotes - SES-15 (S2951) - (129.15 W.L.)

PPA Remotes - Superbird C2 - (144 E.L.)

PPA Remotes - TELSTAR 11N (S2357) - (37.5 W.L.)

PPA Remotes - TELSTAR 12 V (S2933) - (15 W.L.)

PPA Remotes - Yamal 300K - (177 W.L.)

PPA Remotes - Yamal 401 - (90 E.L.)

SPA Remotes - ANIK G1 - (107.3 W.L.)

SPA Remotes - APSTAR 6(M292090) - (226 W.L.)

SPA Remotes - APSTAR 6C(M161190) - (134 E.L.)

SPA Remotes - Apstar 7 - (76.5 E.L.)

SPA Remotes - AsiaSat 5 - (100.5E)

SPA Remotes - AsiaSat 7 - (105.5 E.L.)

SPA Remotes - AsiaSat-9 - (122 E.L.)

SPA Remotes - Chinasat 10(M246191) - (110.5 E.L.)

SPA Remotes - E117 WA (S2873) - (116.8 W.L.)

SPA Remotes - ESTRELA DO SUL 2 - (63 W.L.)

SPA Remotes - Eutelsat 10A (W2A) - (10.0 E.L.)

SPA Remotes - EUTELSAT 172A(S2610) - (174 E. L.)

SPA Remotes - Eutelsat 70B - (70.5 E.L.)

SPA Remotes - EUTELSAT115WB(S2938) - (114.9 W.L.)

SPA Remotes - EUTELSAT172B(S3021) - (172 E.L.)

SPA Remotes - Express AM5 - (140.0 E. L)

SPA Remotes - Express AM6 - (53.0 E.L.)

SPA Remotes - GALAXY 16 (S2687) - (99 W.L.)

SPA Remotes - INTELSAT 14 (S2785) - (45.0 W.L.)

SPA Remotes - INTELSAT 15 (S2789) - (85.15 E.L.)

SPA Remotes - INTELSAT 21 (S2863) - (58.0 W.L.)

SPA Remotes - INTELSAT 29e (S2913) - (50.0 W.L.)

SPA Remotes - INTELSAT 33e (S2939) - (60.0 E.L.)

SPA Remotes - JCSAT 5A - (132 E.L.)

SPA Remotes - JCSAT-2B - (154 E.L.)

SPA Remotes - PERMITTED LIST - ()

SPA Remotes - SES-12 (M192103) - (95 E.L.)

SPA Remotes - SES-14 (S2974) - (47.5 W.L.)

SPA Remotes - SES-15 (S2951) - (129.15 W.L.)

SPA Remotes - SUPERBIRD C2 (S2639) - (144 E.L.)

SPA Remotes - TELSTAR 11N (S2357) - (37.5 W.L.)

SPA Remotes - TELSTAR 12 V (S2933) - (15 W.L.)

SPA Remotes - Yamal 300K - (177 W.L)

SPA Remotes - Yamal 401 - (90 E.L.)

TECOM Remotes - ANIK G1 - (107.3 W.L.)

TECOM Remotes - ESTRELA DO SUL 2 - (63 W.L.)

TECOM Remotes - EUTELSAT115WB(S2938) - (114.9 W.L.)

TECOM Remotes - EUTELSAT172B(S3021) - (172 E.L.)

TECOM Remotes - GALAXY 16 (S2687) - (99 W.L.)

TECOM Remotes - GE-23 - (188 W.L.)

TECOM Remotes - INTELSAT 21 (S2863) - (58.0 W.L.)

TECOM Remotes - INTELSAT 29e (S2913) - (50.0 W.L.)

TECOM Remotes - PERMITTED LIST - ()

TECOM Remotes - SES-15 (S2951) - (129.15 W.L)

TECOM Remotes - TELSTAR 11N (S2357) - (37.5 W.L.)

TECOM Remotes - Yamal 300K - (177 W.L.)

SES-MOD-20190626-00845 E E980285 DIRECTV Enterprises, LLC

Application for Modification

08/14/2008 - 08/14/2023

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service, Fixed Satellite Service

SITE ID: LABC

LOCATION: 12800 CULVER BLVD., LOS ANGELES, LOS ANGELES, CA

33 ° 58 ' 56.50 " N LAT.

118 ° 25 ' 31.20 " W LONG.

ANTENNA ID: LD10

9.3 meters

VERTEX/RSI

930KS

17300.0000 - 17800.0000 MHz

24M0G7W

78.00 dBW

QPSK DIGITAL VIDEO/AUDIO
SERVICES

17300.0000 - 17800.0000 MHz

800KF2D

87.40 dBW

FM, PDM/PSK COMMAND DATA

12200.0000 - 12700.0000 MHz

800KF2D

BPSK, PCM/PSK TELEMETRY AND
RANGING DATA

12200.0000 - 12700.0000 MHz

24M0G7W

QPSK DIGITAL VIDEO/AUDIO
SERVICES

Points of Communication:

LABC - DIRECTV - (Various)

SES-REG-20130813-00727 E E130157 Trinity Christian Center of Santa Ana, Inc.

Registration

08/13/2013 - 08/13/2028

Surrender of Authorization

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1909 SOUTH 341ST PLACE (KTBW), KING, FEDERAL WAY, WA

47 ° 17 ' 43.30 " N LAT.

122 ° 18 ' 34.40 " W LONG.

ANTENNA ID: (KTBW)

6.1 meters

VERTEX

KPC

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video

3700.0000 - 4200.0000 MHz

36M0F3F

Analog Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180827-04033	E	E190339	Comcast Cable Communications Management, LLC	
Registration			08/10/2018 - 08/10/2033	
Grant of Authority			Date Effective:	01/13/2020

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

SITE ID: 1

LOCATION: 1546 Paseo Del Pueblo Sur, Taos, Taos, NM

36 ° 22 ' 3.50 " N LAT.

105 ° 35 ' 59.70 " W LONG.

ANTENNA ID:	1	3.6 meters	DH	3.6 Meter
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID:	2	3.8 meters	Comtech	945-5913
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID:	3	5 meters	Comtech	943-1169
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID:	4	3 meters	Patriot	3 Meter
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
ANTENNA ID:	5	3.8 meters	Patriot	PRT-380
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180827-04034	E	E190340	Entravision Holdings, LLC	
Registration			08/27/2018 - 08/27/2033	
Grant of Authority			Date Effective:	01/13/2020

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

SITE ID: 1

LOCATION: 2727 Broadbent Parkway NE Suite F, Bernalillo, Albuquerque, NM

35 ° 6 ' 44.00 " N LAT.

106 ° 37 ' 51.10 " W LONG.

ANTENNA ID:	1	4.6 meters	Scientific Atlanta	8005
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3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Data/Digital Audio/Digital Video
ANTENNA ID: 2	2.8 meters	Scientific Atlanta	9000
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Data/Digital Audio/Digital Video
ANTENNA ID: 3	6.5 meters	Scientific Atlanta	Q23
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Data/Digital Audio/Digital Video
ANTENNA ID: 4	4.5 meters	Patriot	4.5 m
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Data/Digital Audio/Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180827-04037 E E190343 Entravision Holdings, LLC
 Registration 08/27/2018 - 08/27/2033
 Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 67 Garden Ct., Monterey, Monterey, CA
 36 ° 35 ' 8.60 " N LAT. 121 ° 51 ' 14.90 " W LONG.

ANTENNA ID: 1	3 meters	Shenzhen Bright Moon	HY300AM-P
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Data/Digital Audio/Digital Video
ANTENNA ID: 2	3 meters	DH Satellite	DH30
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Data/Digital Audio/Digital Video
ANTENNA ID: 3	3.8 meters	Comtech	1374-995
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Data/Digital Audio/Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180914-04346 E E190670 Mediacom Communications Corporation
 Registration 09/14/2018 - 09/14/2033
 Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: W5586 Co. Rd. A, Walworth, Elkhorn, WI
42 ° 43 ' 59.10 " N LAT. 88 ° 34 ' 32.20 " W LONG.

ANTENNA ID: 1 3.8 meters DH Gibraltar
3700.0000 - 4200.0000 MHz 36M0G7D Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180920-04477 E E190819 Buford Satellite Systems, L.P.
Registration 09/06/2018 - 09/06/2033
Grant of Authority Date Effective: 01/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 12352 Coffeewood Drive (Coffeewood CC), Culpeper, Mitchells, VA
38 ° 21 ' 55.09 " N LAT. 78 ° 1 ' 7.06 " W LONG.

ANTENNA ID: Coffeewoo1 3.7 meters Prodelin Unk
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL
ANTENNA ID: Coffeewoo2 3.7 meters Prodelin Unk
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL
ANTENNA ID: Coffeewoo3 3.7 meters Prodelin Unk
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL
ANTENNA ID: Coffeewoo4 3.7 meters Prodelin Unk
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180921-04516 E E190867 Troy Broadcasting Corporation
Registration 09/08/2018 - 09/08/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WTBF Studio Downlink
LOCATION: 67 West Court Square, Pike, Troy, AL
31 ° 48 ' 27.39 " N LAT. 85 ° 58 ' 22.97 " W LONG.

ANTENNA ID: WTBF 3.8 meters Comtech 829059-G1

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio and Video Signals

Points of Communication:

WTBF Studio Downlink - PERMITTED LIST - ()

SES-REG-20180923-04533 E E190900 Cartier Communications Inc.
Registration 09/23/2018 - 09/23/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 86 Porter Road, Franklin, Malone, NY
44 ° 50 ' 48.70 " N LAT. 74 ° 16 ' 3.20 " W LONG.

ANTENNA ID: 1 3.7 meters Dawnco D37F48-4PC-6.6

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and video signals

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180923-04534 E E190901 Waters Communications Inc.
Registration 09/23/2018 - 09/23/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 7064 US Highway 1, St. Lawrence, Potsdam, NY
44 ° 38 ' 39.70 " N LAT. 75 ° 3 ' 25.90 " W LONG.

ANTENNA ID: 1 3.7 meters Dawnco D37F48-4PC-5.5

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and video services.

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180924-04537 E E190904 NBC Telemundo License LLC

Registration

09/24/2018 - 09/24/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 424 E. Howard Ave., COOK, Des Plaines, IL

42 ° 1 ' 0.91 " N LAT.

87 ° 54 ' 47.23 " W LONG.

ANTENNA ID: 1

7 meters

Scientific Atlanta

8010D

3700.0000 - 4200.0000 MHz

36M0G7W

Digital video, audio and data on phase modulated carriers

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180924-04538 E E190905 S.J. Broadcasting, LLC

Registration

09/24/2018 - 09/24/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 2702 S. Boulder Dr., Champaign, Urbana, IL

40 ° 4 ' 58.93 " N LAT.

88 ° 11 ' 14.88 " W LONG.

ANTENNA ID: 1

3.7 meters

Dawnco

D37P

3700.0000 - 4200.0000 MHz

36M0G7W

Digital audio and video signals

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180925-04555 E E190922 Ventana Television, Inc.

Registration

09/22/2018 - 09/22/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Shreveport

LOCATION: 1916 Park Ave, Caddo, Shreveport, LA

23 ° 29 ' 34.95 " N LAT.

93 ° 45 ' 56.73 " W LONG.

ANTENNA ID: ANT1

3.7 meters

Prodelin

3.7M RX/O

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Modulation and Services Digital Video
Points of Communication:			
Shreveport - PERMITTED LIST - ()			
SES-REG-20180926-04575	E E190942	Cumberland Cellular, Inc.	
Registration			09/25/2018 - 09/25/2033
Grant of Authority			Date Effective: 01/13/2020
Class of Station:	Fixed Earth Stations		
Nature of Service:	Fixed Satellite Service		
SITE ID:	Site A		
LOCATION:	Jamestown, Russell, Russell Springs, KY		
	37 ° 3 ' 20.87 " N LAT.	85 ° 5 ' 18.85 " W LONG.	
ANTENNA ID:	R Springs	12 meters	ATCi
			Simulsat 5B
3700.0000 - 4200.0000 MHz	36M0G7D		Video
Points of Communication:			
Site A - PERMITTED LIST - ()			
SES-REG-20180927-04590	E E190957	Osbrey Broadcasting Company	
Registration			09/27/2018 - 09/27/2033
Grant of Authority			Date Effective: 01/13/2020
Class of Station:	Fixed Earth Stations		
Nature of Service:	Fixed Satellite Service		
SITE ID:	Roof Mount		
LOCATION:	51 Pomfret Street, Windham, Putnam, CT		
	41 ° 54 ' 54.70 " N LAT.	71 ° 54 ' 43.00 " W LONG.	
ANTENNA ID:	1	3.8 meters	Comtech
			93400015-G2
3700.0000 - 4200.0000 MHz	36M0G7W		QPSK modulation, digital audio and video data
Points of Communication:			
Roof Mount - PERMITTED LIST - ()			
SES-REG-20180927-04591	E E190958	Milwaukee Media LLC	
Registration			09/27/2018 - 09/27/2033
Grant of Authority			Date Effective: 01/13/2020
Class of Station:	Fixed Earth Stations		
Nature of Service:	Fixed Satellite Service		

SITE ID: WIWN//WMKE
LOCATION: 4350 North Humboldt Blvd, Milwaukee, Milwaukee, WI
43 ° 5 ' 45.60 " N LAT. 87 ° 54 ' 17.20 " W LONG.

ANTENNA ID: 3.7m 3.7 meters DH Satellite D37F48

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

Points of Communication:

WIWN//WMKE - PERMITTED LIST - ()

SES-REG-20180928-04598 E E190966 Programmers Broadcasting, Inc.
Registration 09/28/2018 - 09/28/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 624 31st Ave SW, Ward, Minot, ND
48 ° 12 ' 11.00 " N LAT. 101 ° 18 ' 12.00 " W LONG.

ANTENNA ID: ANT-1 3 meters COMTECH 3.0

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL AUDIO

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20180928-04599 E E190967 Pacific and Southern, LLC
Registration 09/28/2018 - 09/28/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Transmitter
LOCATION: 169 Nickerson Road, Penobscot, Holden, ME
44 ° 44 ' 9.60 " N LAT. 68 ° 40 ' 16.20 " W LONG.

ANTENNA ID: 1 4.2 meters DawnCo D42PMD

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Transmitter - PERMITTED LIST - ()

SES-REG-20180928-04601 E E190969 Pacific and Southern, LLC

Registration

09/28/2018 - 09/28/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1314 Gray Hwy, Bibb, Macon, GA
 32 ° 51 ' 39.00 " N LAT.

83 ° 36 ' 53.00 " W LONG.

ANTENNA ID: 1 4.2 meters Dawnco D42F48-8PC

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 2 3.7 meters Dawnco D3748-4PC

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 3 3.7 meters Dawnco D37F48-4PC

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 4 4.6 meters Scientific Atlanta 8346

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 5 6 meters Dawnco D60FAE

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 6 5.2 meters Dawnco D52FAE

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 7 7.3 meters Scientific Atlanta 8128

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180928-04605 E E190972 Blue Ridge Cable Technologies, Inc.

Registration

09/28/2018 - 09/28/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Ephrata
LOCATION: 804 Academy Heights Avenue, USA, Ephrata, PA
40 ° 11 ' 5.51 " N LAT. 76 ° 11 ' 24.87 " W LONG.

ANTENNA ID:	Ant 1	5.5 meters	ComTech	Comtech 5.5
	3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Modulation and Services Digital Video
ANTENNA ID:	Ant 2	3.8 meters	DH	ANT-2DD6
	3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Modulation and Services Digital Video

Points of Communication:

Ephrata - PERMITTED LIST - ()

SES-REG-20180928-04607	E	E190974	WBIR-TV, LLC	
Registration				09/28/2018 - 09/28/2033
Grant of Authority				Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Sat Farm
LOCATION: 1513 Bill Williams Ave, Knox, Knoxville, TN
35 ° 59 ' 55.22 " N LAT. 83 ° 55 ' 22.69 " W LONG.

ANTENNA ID:	1	4.57 meters	Scientific Atlatic (vertex)	4.57 kpc
	3700.0000 - 4200.0000 MHz	36M0G7W		
ANTENNA ID:	2	4.5 meters	DHC	DH-45-GB-DP
	3700.0000 - 4200.0000 MHz	36M0G7W		
ANTENNA ID:	3	3.7 meters	AFC	3.7/pr-12
	3700.0000 - 4200.0000 MHz	36M0G7W		
ANTENNA ID:	4	3.1 meters	Patriot	prr-310
	3700.0000 - 4200.0000 MHz	36M0G7W		
ANTENNA ID:	5	3.7 meters	Andrews	ES37MPJK
	3700.0000 - 4200.0000 MHz	36M0G7W		

Points of Communication:

Sat Farm - PERMITTED LIST - ()

SES-REG-20180928-04611	E	E190978	Programmers Broadcasting, Inc.	
Registration				09/28/2018 - 09/28/2033
Grant of Authority				Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1120 Highway 5 N.E, Bottineau, Bottineau, ND
48 ° 49 ' 25.00 " N LAT. 100 ° 26 ' 53.00 " W LONG.

ANTENNA ID:	KBTO-1	3.8 meters	Midwest Info	3.8 m
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	DIGITAL AUDIO

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20180928-04642	E	E191009	Southern Utah University	
Registration				09/28/2018 - 09/28/2033
Grant of Authority				Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 50 S. 700 W., USA, Cedar City, UT
37 ° 40 ' 34.30 " N LAT. 113 ° 4 ' 21.49 " W LONG.

ANTENNA ID:	Ant1	3.7 meters	Wineguard	3.7
	3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Digital Video

Points of Communication:

SES-REG-20180928-04739	E	E191109	New Jersey Public Broadcasting Authority	
Registration				09/28/2018 - 09/28/2033
Grant of Authority				Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 25 S. Stockton St. (TOC #1), Mercer, Trenton, NJ
40 ° 13 ' 14.00 " N LAT. 74 ° 45 ' 34.00 " W LONG.

ANTENNA ID:	TOC #1	6.1 meters	Vertex	6.1
	3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180930-04531 E E190882 MONTGOMERY BROADCASTING, LLC

Registration 09/30/2018 - 09/30/2033

Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KFBC-AM

LOCATION: 1806 Capitol Avenue, Laramie, Cheyenne, WY

41 ° 8 ' 4.60 " N LAT.

104 ° 49 ' 0.40 " W LONG.

ANTENNA ID: One 3 meters SAMI SM-10

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

Points of Communication:

KFBC-AM - PERMITTED LIST - ()

SES-REG-20180930-04606 E E190973 Brewer Broadcasting Corporation

Registration 09/30/2018 - 09/30/2033

Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WQLK Studio

LOCATION: 2626 W Tingle Road, Wayne, Richmond, MI

39 ° 53 ' 31.00 " N LAT.

84 ° 56 ' 10.90 " W LONG.

ANTENNA ID: ANT1 3 meters Comtech 3

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

ANTENNA ID: ANT2 3.8 meters Comtech 3.8

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

ANTENNA ID: ANT3 3.7 meters Paraclipse 3.7

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

WQLK Studio - PERMITTED LIST - ()

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video
Points of Communication:			
Radcliff - PERMITTED LIST - ()			
SES-REG-20181001-04627	E E190994	Hearst Properties Inc.	
Registration			09/26/2018 - 09/26/2033
Grant of Authority			Date Effective: 01/13/2020
Class of Station:	Fixed Earth Stations		
Nature of Service:	Fixed Satellite Service		
SITE ID:	41 15 2N		
LOCATION:	1001 S. 10th Street (KETV), Douglas, Omaha, NE 41 ° 15 ' 0.20 " N LAT. 95 ° 55 ' 43.90 " W LONG.		
ANTENNA ID:	Cband Roof	2.4 meters	Prodelin 2.4 meter
3700.0000 - 4200.0000 MHz	36M0G7W		Digital video, audio, data
Points of Communication:			
41 15 2N - PERMITTED LIST - ()			
SES-REG-20181001-04852	E E191223	Glasgow Electric Plant Board	
Registration			10/01/2018 - 10/01/2033
Grant of Authority			Date Effective: 01/10/2020
Class of Station:	Fixed Earth Stations		
Nature of Service:	Fixed Satellite Service		
SITE ID:	Site 1		
LOCATION:	100 Mallory Dr., United States, Glasgow, KY 36 ° 59 ' 2.20 " N LAT. 85 ° 55 ' 59.90 " W LONG.		
ANTENNA ID:	Simulsat	5.2 meters	ATCi Simulsat 5B
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Services
Points of Communication:			
Site 1 - PERMITTED LIST - ()			
SES-REG-20181005-04894	E E191265	NORTH CAROLINA BROADCASTING PARTNERS	
Registration			10/05/2018 - 10/05/2033
Grant of Authority			Date Effective: 01/13/2020
Class of Station:	Fixed Earth Stations		
Nature of Service:	Fixed Satellite Service		

SITE ID: 1
LOCATION: 1 Television Place, Mecklenburg, Charlotte, NC
35 ° 12 ' 15.00 " N LAT. 80 ° 47 ' 53.00 " W LONG.

ANTENNA ID:	1	5 meters	Unknown	C-Band 5m
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital Data
ANTENNA ID:	2	7 meters	Scientific Atlanta	C-Band 7m
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital Data
ANTENNA ID:	3	10 meters	Scientific Atlanta	C-Band 10m
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital Data
ANTENNA ID:	4	4.5 meters	Unknown	C-Band 4.5m
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital Data
ANTENNA ID:	5	3.8 meters	Unknown	C-Band 3.8
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital Data
ANTENNA ID:	6	3.8 meters	AFC	C-Band 3.8
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital Data
ANTENNA ID:	7	3.8 meters	Patriot	C-Band 3.8
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital Data
ANTENNA ID:	8	3.8 meters	Unknown	C-Band 3.8
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital Data
ANTENNA ID:	9	4.6 meters	Unknown	C-Band 4.6
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital Data
ANTENNA ID:	10	3 meters	Unknown	C-Band 3
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181006-04749 E E191119 Ventana Television, Inc.

Registration

09/24/2018 - 09/24/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Tulsa

LOCATION: 15 W. 6th St., Tulsa, Tulsa, OK
36 ° 9 ' 1.31 " N LAT.

95 ° 59 ' 26.40 " W LONG.

ANTENNA ID: ANT1 3.8 meters Patriot PRT-380AZ

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video

Points of Communication:

Tulsa - PERMITTED LIST - ()

SES-REG-20181008-04931 E E191302 NBC Telemundo License LLC

Registration

10/08/2018 - 10/08/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 400 North Capital St. NW, District of Columbia, Washington, DC
38 ° 53 ' 44.90 " N LAT.

77 ° 0 ' 36.50 " W LONG.

ANTENNA ID: 1 4.5 meters Patriot 4.5 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio and data on phase modulated carriers

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04932 E E191303 NBC Telemundo License LLC

Registration

10/08/2018 - 10/08/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1650 Sand Lake Road, ORANGE, Orlando, FL
28 ° 26 ' 59.00 " N LAT.

81 ° 23 ' 58.30 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot 3.8 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio and data on phase modulated carriers

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04933 E E191304 Hearst Stations Inc.

Registration

10/08/2018 - 10/08/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 400 Ardmore Blvd., Allegheny County, Pittsburgh, PA

40 ° 16 ' 50.10 " N LAT.

79 ° 48 ' 11.80 " W LONG.

ANTENNA ID: 1 3.8 meters PATRIOT PRT-380

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04934 E E191306 Fox Broadcasting Company

Registration

10/08/2018 - 10/08/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 205 East 67th Street, New York, New York, NY

40 ° 45 ' 59.10 " N LAT.

73 ° 57 ' 43.20 " W LONG.

ANTENNA ID: 1 3.7 meters Andrew 3.7M

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

ANTENNA ID: 2 4.5 meters Andrew Corporation ESA45.46A

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

ANTENNA ID: 3 6.1 meters Vertex 6.1

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04935 E E191307 Fox Broadcasting Company

Registration

10/08/2018 - 10/08/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 340 Domino Lane, Philadelphia, Philadelphia, PA
40 ° 2 ' 25.70 " N LAT.

75 ° 14 ' 16.50 " W LONG.

ANTENNA ID: 1 3 meters Harris

3

3700.0000 - 4200.0000 MHz 36M0G7W

Digital traffic, various FEC, data rates
and modulation

ANTENNA ID: 2 3.6 meters DH

3.6

3700.0000 - 4200.0000 MHz 36M0G7W

Digital traffic, various FEC, data rates
and modulation

ANTENNA ID: 3 5 meters DH

5.0

3700.0000 - 4200.0000 MHz 36M0G7W

Digital traffic, various FEC, data rates
and modulation

ANTENNA ID: 4 7.3 meters Comtech

7.3M

3700.0000 - 4200.0000 MHz 36M0G7W

digital data: various FEC, data rates and
modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04936 E E191308 Fox Broadcasting Company

Registration

10/08/2018 - 10/08/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 3914 Wistar RD, Henrico, Richmond, VA
37 ° 37 ' 21.80 " N LAT.

77 ° 29 ' 59.30 " 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 - ()

SES-REG-20181008-04937 E E191309 Fox Broadcasting Company
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1175 Peachtree St., NE 100 Colony Sq Suite 2100, Fulton, Atlanta, GA
33 ° 47 ' 12.90 " N LAT. 84 ° 22 ' 57.10 " W LONG.

ANTENNA ID:	1	5 meters	Comtech	5.0M
	3700.0000 - 4200.0000 MHz	36M0G7W		Digital traffic, various FEC, data rates and modulation
ANTENNA ID:	2	3 meters	Comtech	3.0M
	3700.0000 - 4200.0000 MHz	36M0G7W		digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04938 E E191310 Fox Broadcasting Company
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 100 East Royal Lane, Suite 200, Dallas, Irving, GA
32 ° 53 ' 39.60 " N LAT. 96 ° 56 ' 34.20 " W LONG.

ANTENNA ID:	1	5 meters	Comtech	5.0M
	3700.0000 - 4200.0000 MHz	36M0G7W		digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04939 E E191311 Fox Broadcasting Company
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1570 W Beltline Rd, Dallas, Cedar Hill, TX
32 ° 35 ' 18.00 " N LAT.

96 ° 58 ' 31.10 " W LONG.

ANTENNA ID: 1 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 - ()

SES-REG-20181008-04940 E E191312 Fox Broadcasting Company

Registration

10/08/2018 - 10/08/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1950 North Meridian Street, Marion, Indianapolis, IN
39 ° 47 ' 33.90 " N LAT.

86 ° 9 ' 27.60 " 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 - ()

SES-REG-20181008-04941 E E191313 Fox Broadcasting Company

Registration

10/08/2018 - 10/08/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 9530 Weller Rd, Alameda, Oakland, CA
37 ° 29 ' 13.90 " N LAT.

121 ° 52 ' 2.50 " W LONG.

ANTENNA ID: 1 5 meters ATCI 5.0M

3700.0000 - 4200.0000 MHz

36M0G7W

Digital traffic, various FEC, data rates and modulation

ANTENNA ID: 2 4.6 meters Andrew Corporation 4.6M

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

1 - PERMITTED LIST - ()

SES-REG-20181008-04943	E E191315	Fox Broadcasting Company	10/08/2018 - 10/08/2033
Registration			Date Effective: 01/13/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 2 Jack London Square, Alameda, Oakland, CA

37 ° 47 ' 26.70 " N LAT.

122 ° 16 ' 12.70 " W LONG.

ANTENNA ID: 1 4.6 meters Andrew Corporation 4.6M

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

ANTENNA ID: 2 5 meters ATCI 5.0

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

ANTENNA ID: 3 3.7 meters Patriot 3.7M

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04944	E E191316	WJER RADIO LLC	10/08/2018 - 10/08/2033
Registration			Date Effective: 01/13/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 646 Boulevard, Tuscarawas, Dover, OH

40 ° 30 ' 47.40 " N LAT.

81 ° 27 ' 23.90 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 3.8M

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Multiplex Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04947 E E191319 Rochelle Broadcasting Co., Inc.
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 400 May Mart Drive, Ogle, Rochelle, IL
 41 ° 56 ' 0.00 " N LAT. 89 ° 3 ' 56.00 " W LONG.

ANTENNA ID: 1 3 meters Comtech 3 METER

3700.0000 - 4200.0000 MHz 36M0G7W Digital

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04949 E E191321 Hearst Stations Inc.
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 400 Ardmore Blvd., Allegheny County, Pittsburgh, PA
 40 ° 26 ' 11.00 " N LAT. 79 ° 52 ' 5.90 " W LONG.

ANTENNA ID: 1 4.5 meters VIASAT ESA8345

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04951 E E191323 Hearst Stations Inc.
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 400 Ardmore Blvd., Allegheny County, Pittsburgh, PA
40 ° 26 ' 7.00 " N LAT. 79 ° 52 ' 5.00 " W LONG.

ANTENNA ID:	1	3.8 meters	PATRIOT	PRT380AZ
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Carrier
ANTENNA ID:	2	4.5 meters	PATRIOT	PRT450
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04958	E	E191330	Fox Broadcasting Company	
Registration				10/08/2018 - 10/08/2033
Grant of Authority				Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 205 N. Michigan Ave, Cook, Chicago, IL
41 ° 53 ' 9.70 " N LAT. 87 ° 37 ' 25.10 " W LONG.

ANTENNA ID:	1	5 meters	Patriot	5.0M
	3700.0000 - 4200.0000 MHz	36M0G7W		Digital traffic, various FEC, data rates and modulation
ANTENNA ID:	2	5 meters	Andrew Corporation	ESA45-46A
	3700.0000 - 4200.0000 MHz	36M0G7W		Digital traffic, various FEC, data rates and modulation
ANTENNA ID:	3	5 meters	Scientific Atlanta	5.0M
	3700.0000 - 4200.0000 MHz	36M0G7W		digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04959	E	E191331	Fox Broadcasting Company	
Registration				10/08/2018 - 10/08/2033
Grant of Authority				Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1999 S. Bundy Dr, Los Angeles, Los Angeles, CA
34 ° 2 ' 0.40 " N LAT. 118 ° 27 ' 24.00 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation
ANTENNA ID: 2 3.7 meters Prodelin 3.7M
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation
ANTENNA ID: 3 3.5 meters Prodelin 3.5M
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04960 E E191332 Fox Broadcasting Company
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: Mt Wilson, Los Angeles, Mt Wilson, CA
34 ° 13 ' 27.00 " N LAT. 118 ° 3 ' 48.00 " W LONG.

ANTENNA ID: 1 3.7 meters Dawnco Sat 3.7
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181009-04757 E E191127 Cox Communications Las Vegas Inc
Registration 07/26/2018 - 07/26/2033
Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Henderson
LOCATION: 180 Pacific Center Dr, Clark, Henderson, NV
36 ° 2 ' 26.20 " N LAT. 115 ° 2 ' 20.80 " W LONG.

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

Points of Communication:

Henderson - PERMITTED LIST - ()

SES-REG-20181009-04760	E	E191130	Cox Communications Las Vegas Inc	
Registration				07/26/2018 - 07/26/2033
Grant of Authority				Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Henderson
LOCATION: 180 Pacific Center Dr, Clark, Henderson, NV
36 ° 2 ' 25.90 " N LAT. 115 ° 2 ' 20.60 " W LONG.

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

Points of Communication:

Henderson - PERMITTED LIST - ()

SES-REG-20181009-05027	E	E191404	TURNER BROADCASTING SYSTEM, INC.	
Registration				10/09/2018 - 10/09/2033
Grant of Authority				Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA
33 ° 47 ' 4.60 " N LAT. 84 ° 23 ' 43.80 " W LONG.

ANTENNA ID:	1	4.5 meters	ASC	45ESAMPJ-1
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: 2
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA
33 ° 47 ' 4.20 " N LAT. 84 ° 23 ' 43.80 " W LONG.

ANTENNA ID:	2	4.5 meters	ASC	45ESAMPJ-1
	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:	3			
LOCATION:	1050 Techwood Drive, Fulton, Atlanta, GA			
	33 ° 47 ' 4.90 " N LAT.		84 ° 23 ' 44.20 " W LONG.	
ANTENNA ID:	3	4.5 meters	Viasat	8345
	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:	4			
LOCATION:	1050 Techwood Drive, Fulton, Atlanta, GA			
	33 ° 47 ' 4.20 " N LAT.		84 ° 23 ' 44.20 " W LONG.	
ANTENNA ID:	4	4.5 meters	ASC	45ESAMPJ-1
	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:	5			
LOCATION:	1050 Techwood Drive, Fulton, Atlanta, GA			
	33 ° 47 ' 4.20 " N LAT.		84 ° 23 ' 44.20 " W LONG.	
ANTENNA ID:	5	4.5 meters	ASC	45ESAMPJ-1
	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: 6
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA
33 ° 47 ' 4.60 " N LAT. 84 ° 23 ' 43.80 " W LONG.

ANTENNA ID:	6	4.5 meters	ASC	45ESAMPJ-1
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: 7
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA
33 ° 47 ' 4.60 " N LAT. 84 ° 23 ' 44.50 " W LONG.

ANTENNA ID:	7	4.5 meters	ASC	45ESAMPJ-1
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: 8
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA
33 ° 47 ' 4.20 " N LAT. 84 ° 23 ' 44.50 " W LONG.

ANTENNA ID:	8	4.5 meters	ASC	45ESAMPJ-1
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: 9
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA
33 ° 47 ' 4.20 " N LAT. 84 ° 23 ' 44.50 " W LONG.

ANTENNA ID:	9	4.5 meters	ASC	45ESAMPJ-1
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: 10			
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA			
33 ° 47 ' 3.80 " N LAT.		84 ° 23 ' 44.50 " W LONG.	
ANTENNA ID: 10	4.5 meters	ASC	45ESAMPJ-1
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: 11			
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA			
33 ° 47 ' 3.80 " N LAT.		84 ° 23 ' 44.20 " W LONG.	
ANTENNA ID: 11	4.5 meters	ASC	45ESAMPJ-1
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:

1 - PERMITTED LIST - ()

10 - PERMITTED LIST - ()

11 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()

3 - PERMITTED LIST - ()

4 - PERMITTED LIST - ()

5 - PERMITTED LIST - ()

6 - PERMITTED LIST - ()

7 - PERMITTED LIST - ()

8 - PERMITTED LIST - ()

9 - PERMITTED LIST - ()

SES-REG-20181009-05044 E E191422 TURNER BROADCASTING SYSTEM, INC.

Registration 10/09/2018 - 10/09/2033

Grant of Authority Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA

33 ° 47 ' 4.60 " N LAT.

84 ° 23 ' 42.70 " W LONG.

ANTENNA ID: 1 4.5 meters Viasat 8345

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: 2

LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA

33 ° 47 ' 3.80 " N LAT.

84 ° 23 ' 42.70 " W LONG.

ANTENNA ID: 2 4.5 meters Viasat 8345

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: 3

LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA

33 ° 47 ' 4.20 " N LAT.

84 ° 23 ' 43.40 " W LONG.

ANTENNA ID: 3 4.5 meters Viasat 8345

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: 4

LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA

33 ° 47 ' 4.60 " N LAT.

84 ° 23 ' 43.40 " W LONG.

ANTENNA ID: 4	4.5 meters	Viasat	8345
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3700.0000 - 4200.0000 MHz	15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
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3700.0000 - 4200.0000 MHz	20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
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3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
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SITE ID: 5

LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA

33 ° 47 ' 4.60 " N LAT.

84 ° 23 ' 43.40 " W LONG.

ANTENNA ID: 5	4.5 meters	Viasat	8345
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3700.0000 - 4200.0000 MHz	15M5G1F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
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3700.0000 - 4200.0000 MHz	20M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
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3700.0000 - 4200.0000 MHz	36M0G7F	0.00 dBW	QPSK, 8PSK & 16APSK Modulation, digital video
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Points of Communication:

1 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()

3 - PERMITTED LIST - ()

4 - PERMITTED LIST - ()

5 - PERMITTED LIST - ()

SES-REG-20181009-05047 E E191425 Bonneville International Corporation

Registration

10/09/2018 - 10/09/2033

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 201 Third Street, San Francisco, San Francisco, CA

37 ° 47 ' 5.70 " N LAT.

122 ° 23 ' 59.70 " W LONG.

ANTENNA ID:	1	3.3 meters	DH Satellite	GIB33M-DP
	3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Data/Digital Audio
Points of Communication:				
1 - PERMITTED LIST - ()				
SES-REG-20181009-05054	E E191432	Cox Communications Las Vegas Inc	07/26/2018 - 07/26/2033	
Registration			Date Effective:	01/13/2020
Grant of Authority				
Class of Station:	Fixed Earth Stations			
Nature of Service:	Fixed Satellite Service			
SITE ID:	1			
LOCATION:	180 Pacific Center Dr, Clark, Henderson, NV			
	36 ° 2 ' 26.60 " N LAT. 115 ° 2 ' 20.70 " W LONG.			
ANTENNA ID:	4.5	4.5 meters	Scientific Atlanta	8345
	3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video Carrier
Points of Communication:				
1 - PERMITTED LIST - ()				
SES-REG-20181009-05055	E E191433	Cox Communications Las Vegas Inc	07/26/2018 - 07/26/2033	
Registration			Date Effective:	01/13/2020
Grant of Authority				
Class of Station:	Fixed Earth Stations			
Nature of Service:	Fixed Satellite Service			
SITE ID:	1			
LOCATION:	180 Pacific Center Dr, Clark, Henderson, NV			
	36 ° 2 ' 26.10 " N LAT. 115 ° 2 ' 20.30 " W LONG.			
ANTENNA ID:	4.5	4.5 meters	Scientific Atlanta	8345
	3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video Carrier
Points of Communication:				
1 - PERMITTED LIST - ()				
SES-REG-20181011-04775	E E191145	WDIO-TV, LLC	08/09/2018 - 08/09/2033	
Registration			Date Effective:	01/13/2020
Grant of Authority				
Class of Station:	Fixed Earth Stations			

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 10 OBSERVATION RD. (WDIO-TV, LLC), ST. LOUIS, DULUTH, MN
46 ° 47 ' 11.40 " N LAT. 92 ° 7 ' 23.60 " W LONG.

ANTENNA ID: WDIO-TV 5.1 meters ANDREWS CORPORATION A-51m
3700.0000 - 4200.0000 MHz 36M0G8W 0.00 dBW COMPRESSED DIGITAL VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181012-04736 E E191106 Nebraska Educational Telecommunications Commission
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 01/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: DH 4.2
LOCATION: 1800 N 33rd St., Lancaster, Lincoln, NE
40 ° 49 ' 52.80 " N LAT. 96 ° 40 ' 17.10 " W LONG.

ANTENNA ID: DH 4.5 4.5 meters DH Satellite 45DH1
3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio or Video
3700.0000 - 4200.0000 MHz 308KG7W Digital Data, Audio or Video

Points of Communication:

DH 4.2 - PERMITTED LIST - ()

SES-RWL-20191203-01623 E E050030 Graham Media Group, San Antonio, Inc.
Renewal 02/03/2020 - 02/03/2035
Grant of Authority Date Effective: 01/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1408 N. ST. MARY'S (KSAT), BEXAR, SAN ANTONIO, TX
29 ° 26 ' 12.00 " N LAT. 98 ° 29 ' 2.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-46A
3700.0000 - 4200.0000 MHz 36M0G7F COMPRESSED DIGITAL VIDEO

3700.0000 - 4200.0000 MHz	36M0F3F	STANDARD VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
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Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20191223-01770	E E8290	Gray Television Licensee, LLC	01/25/2020 - 01/25/2035
Renewal			Date Effective: 01/08/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: CABELL, HUNTINGTON, WV
38 ° 25 ' 7.00 " N LAT. 82 ° 26 ' 49.00 " W LONG.

ANTENNA ID: 1 5 meters COMTECH 846000-G-2

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20191226-01774	E E050037	WAOW-WYOW License, LLC	02/11/2020 - 02/11/2035
Renewal			Date Effective: 01/08/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1908 Grand Ave (WAOW), MARATHON, WAUSAU, WI
44 ° 56 ' 0.50 " N LAT. 89 ° 33 ' 8.80 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-46A

3700.0000 - 4200.0000 MHz 36M0G7F COMPRESSED DIGITAL VIDEO

3700.0000 - 4200.0000 MHz 36M0F3F STANDARD VIDEO WITH
ASSOCIATED AUDIO SUBCARRIERS

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200107-00006	E E950115	Comcast Cable Communications Management, LLC	02/17/2020 - 02/17/2035
Renewal			Date Effective: 01/08/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 7235 W. TITAN RD. (TITAN #8), DOUGLAS, TITAN, CO
39 ° 30 ' 51.00 " N LAT. 105 ° 1 ' 30.50 " W LONG.

ANTENNA ID: 1 9.2 meters RSI 920CS

5925.0000 - 6425.0000 MHz 36M0F8W 80.00 dBW

5925.0000 - 6425.0000 MHz 36M0F9W 80.00 dBW

5925.0000 - 6425.0000 MHz 36M0G7W 80.00 dBW

3700.0000 - 4200.0000 MHz 36M0F8W

3700.0000 - 4200.0000 MHz 36M0F9W

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200107-00007	E	E950028	Comcast Cable Communications Management, LLC
Renewal			01/27/2020 - 01/27/2035
Grant of Authority			Date Effective: 01/08/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 7235 W. Titan Road, DOUGLAS, TITAN (19), CO
39 ° 30 ' 50.00 " N LAT. 105 ° 1 ' 27.90 " W LONG.

ANTENNA ID: 1 9.2 meters SCIENTIFIC ATLANTA 8009A-1

5925.0000 - 6425.0000 MHz 36M0G7W 80.30 dBW DIGITAL VIDEO, AUDIO, AND DATA

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO, AUDIO, AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200108-00019	E	E950067	Intelsat License LLC
Renewal			02/10/2020 - 02/10/2035
Grant of Authority			Date Effective: 01/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: LOTS 11E AND F, NAPA, CA
38 ° 14 ' 44.00 " N LAT. 122 ° 16 ' 44.00 " W LONG.

ANTENNA ID: 1 6.1 meters VERTEX 6.1KPK

14000.0000 - 14500.0000 MHz	30M0F8W	76.50 dBW
14000.0000 - 14500.0000 MHz	24M0F8W	73.50 dBW
14000.0000 - 14500.0000 MHz	4M90G7W	57.60 dBW
14000.0000 - 14500.0000 MHz	6M50G7W	58.80 dBW
14000.0000 - 14500.0000 MHz	9M80G7W	60.60 dBW
14000.0000 - 14500.0000 MHz	24M0G7W	64.50 dBW
14000.0000 - 14500.0000 MHz	1M31G7W	54.80 dBW

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200108-00020 E E040464 NBC Telemundo License LLC

Renewal

01/27/2020 - 01/27/2035

Grant of Authority

Date Effective: 01/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 900 SYLVAN AVENUE, BERGEN, ENGLEWOOD CLIFFS, NJ
40 ° 53 ' 43.50 " N LAT. 73 ° 56 ' 35.50 " W LONG.

ANTENNA ID: 1 9 meters VERTEX/RSI 9 KPC

5925.0000 - 6425.0000 MHz	36M0G7W	80.23 dBW	PHASE MODULATED CARRIER WITH DIGITAL AUDIO, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	36M0G7W		PHASE MODULATED CARRIER WITH DIGITAL AUDIO, VIDEO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200108-00023 E E050011 Florida State University

Renewal

03/08/2020 - 03/08/2035

Grant of Authority

Date Effective: 01/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 2565 Pottsdamer, Leon, Tallahassee, FL
30 ° 25 ' 2.70 " N LAT.

84 ° 18 ' 48.60 " W LONG.

ANTENNA ID:	1	7 meters	Scientific-Atlanta	8010K
14000.0000 - 14500.0000 MHz	27M0G7F	79.20 dBW	Digital Compressed Video Carrier	
14000.0000 - 14500.0000 MHz	36M0F8W	79.20 dBW	Analog Video Carrier	
11700.0000 - 12200.0000 MHz	27M0G7F		Digital Compressed Video Carrier	
11700.0000 - 12200.0000 MHz	36M0F8W		Analog Video Carrier	

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200109-00022 E KB45 Alascom, Inc.

Renewal

03/08/2020 - 03/08/2035

Grant of Authority

Date Effective: 01/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: CORDOVA, AK
60 ° 32 ' 49.00 " N LAT.

145 ° 44 ' 48.00 " W LONG.

ANTENNA ID:	1	10 meters	PARABOLIC ANTENNA
5925.0000 - 6425.0000 MHz	30K0F3W	82.90 dBW	
5925.0000 - 6425.0000 MHz	24K0G1D	40.60 dBW	
5925.0000 - 6425.0000 MHz	86K4G1D	54.80 dBW	
5925.0000 - 6425.0000 MHz	75K6G1D	54.20 dBW	
5925.0000 - 6425.0000 MHz	53K3G1W	54.10 dBW	
5925.0000 - 6425.0000 MHz	26K7G1W	51.00 dBW	
5925.0000 - 6425.0000 MHz	13K3G1E	36.60 dBW	
3700.0000 - 4200.0000 MHz	30K0F3W		
3700.0000 - 4200.0000 MHz	24K0G1D		

3700.0000 - 4200.0000 MHz	86K4G1D
3700.0000 - 4200.0000 MHz	75K6G1D
3700.0000 - 4200.0000 MHz	53K3G1W
3700.0000 - 4200.0000 MHz	26K7G1W
3700.0000 - 4200.0000 MHz	13K3G1E

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200110-00025 E E040303 SES Americom, Inc.

Renewal

01/25/2020 - 01/25/2035

Grant of Authority

Date Effective: 01/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: SMES-KAIOT

LOCATION: 5990 Solano Verde Drive, Somis, CA

34 ° 19 ' 32.00 " N LAT.

118 ° 59 ' 44.00 " W LONG.

ANTENNA ID: SM-KA1 5.6 meters Andrew ES56KA-1

29500.0000 - 30000.0000 MHz	34M0G7W	85.20 dBW	QPSK MODULATED TT&C, MONITOR AND TEST CARRIERS
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28400.0000 - 28600.0000 MHz	34M0G7W	85.20 dBW	QPSK MODULATED TT&C, MONITOR AND TEST CARRIERS
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19700.0000 - 20200.0000 MHz	34M0G7W	0.00 dBW	QPSK MODULATED TT&C, MONITOR AND TEST CARRIERS
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18600.0000 - 18800.0000 MHz	34M0G7W	0.00 dBW	QPSK MODULATED TT&C, MONITOR AND TEST CARRIERS
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Points of Communication:

SMES-KAIOT - AMC-15 (S2180) - (105.0 W.L.)

SES-STA-20191212-01706 E E170205 Alaska Communications Internet, LLC

Special Temporary Authority

Grant of Authority

Date Effective: 01/14/2020

Class of Station:

On January 14, 2020, Alaska Communications Internet LLC was granted special temporary authority, for 60 days, to operate seven (7) remote earth station sites as part of its existing C-band very small aperture terminal (VSAT) network. To support: the Kodiak Area Native Association (KANA) health care and community services; middle mile backhaul services to support businesses and residents in the community of Yakutat; telecommunications transport and signaling management for the Bristol Bay Telephone Cooperative ("BBTC"), a provider of local and long-distance telephone, mobile wireless, cable television, and internet access services. The location of these sites are:

Akhiok, AK (geographic coordinates: 56° 56' 43.67" N, 154° 10' 26.99" W);
Old Harbor, AK (geographic coordinates: 57° 12' 48.71" N, 153° 17' 0.68" W);
Ouzinkie, AK (geographic coordinates: 57° 55' 28.30" N, 152° 29' 58.29" W);
Yakutat Community, AK (geographic coordinates: 59° 32' 23.19" N, 139° 44' 12.92" W);
Kobuk, AK (geographic coordinates: 66° 54' 27.3" N, 156° 53' 1.0" W); and
8 Mile, AK (geographic coordinates: 58° 43' 41.0" N, 156° 48' 59.2" W.

All earth stations were authorized to operate with the EUTELSAT 115WB satellite at the at the 114.9° W.L. orbital location in the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) frequency bands.

Points of Communication:

SES-STA-20191212-01710 E E170122 Intelsat License LLC

Special Temporary Authority

Grant of Authority

Date Effective: 01/08/2020

Class of Station:

On January 8, 2020, Intelsat License LLC is granted extension of STA for 60 days to continue operate a fixed earth station in Ellenwood, GA with the Galaxy 11 (Call Sign S2253) satellite to provide telemetry, tracking, and command ("TT&C") services at the 93.1° W.L. orbital location.

Points of Communication:

SES-STA-20191218-01755 E Intelsat License LLC

Special Temporary Authority

Grant of Authority

Date Effective: 01/08/2020

Class of Station:

On January 8, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning January 8, 2020, to operate a 7.3 meter antenna at its teleport in Paumalu, HI to provide telemetry, tracking, and command (TT&C) services for the HISPASAT 143W-1 satellite during its drift from the 30° W.L. orbital location to the 143° W.L. orbital location in the 2072.7958 MHz (Earth-to-space), and 2251.0 (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20191218-01756 E E020126 Intelsat License LLC

Special Temporary Authority

Grant of Authority

Date Effective: 01/14/2020

Class of Station:

On January 14, 2020, Intelsat License LLC is granted to operate fixed earth station at Riverside, CA under STA for 30 days, commencing January 28, 2020, to provide telemetry, tracking, and command ("TT&C") services for HISPASAT 143W-1 satellite during satellite's drift from 30° W to on-station at 143° W on the following center frequencies: 14498.7 MHz (Earth-to-space) and 12749.75 MHz (space-to-Earth).

Points of Communication:

SES-STA-20191218-01757 E E060384 Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 01/08/2020

Class of Station:

On January 8, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning January 28, 2020, to operate its fixed earth station in Riverside, CA to provide telemetry, tracking, and command (TT&C) services for the HISPASAT 143W-1 satellite during its drift from the 30° W.L. orbital location to the 143° W.L. orbital location in the 14498.7 MHz (Earth-to-space), and 12749.75 MHz (space-to-Earth) frequency bands..

Points of Communication:

SES-STA-20191223-01773 E E190862 GCI Communication Corp.

Special Temporary Authority
Grant of Authority

Date Effective: 01/08/2020

Class of Station:

On January 8, 2020, GCI Communication Corp. was granted special temporary authority for 60 days, beginning January 8, 2020, to operate a 4.5 meter Scientific Atlanta 8345 fixed earth station in Huslia, AK to communicate with the Galaxy 18 (S2733) satellite at the 123° W.L. orbital location, and the ANIK F3 (S2703) satellite at the 118.7° W.L. orbital location in the 3700-4200 MHz (space-to Earth), and 5925-6425 MHz (Earth-to-space) frequency bands.

Points of Communication:

SES-STA-20200107-00012 E E050287 SES Americom, Inc.

Special Temporary Authority
Grant of Authority

Date Effective: 01/09/2020

Class of Station:

On January 9, 2020, SES Americom, Inc. was granted special temporary authority for 30 days beginning January 10, 2020, to operate its fixed earth station in Mt. Airy, MD to provide telemetry, tracking and command (TT&C) services for the NSS-6 satellite at the 86.8° W.L. orbital location in the 11198.0 MHz and 11199.5 MHz (space-to-Earth), and 14496.0 MHz and 14499.0 MHz (Earth-to-space) frequency bands. SES is not seeking U.S. market access for the satellite.

Points of Communication:

SES-T/C-20191003-01265 E E000701 HDNet FCC LicenseCo LLC

Application for Consent to Transfer of Control
Grant of Authority

Date Effective: 01/14/2020

Current Licensee: HDNet FCC LicenseCo LLC

FROM: HDNet FCC Holdco LLC

TO: HDNet LLC

No. of Station(s) listed: 5

SES-T/C-20191119-01524 E E181914 Vyve Broadband A

Application for Consent to Transfer of Control
Consummated

Date Effective: 11/02/2019

Current Licensee: Vyve Broadband A

FROM: BCI BROADBAND HOLDINGS, LLC

TO: Eagle Broadband Investments, LLC

No. of Station(s) listed: 14

SES-T/C-20191119-01525 E E181911 Vyve Broadband J

Application for Consent to Transfer of Control
Consummated

Date Effective: 11/02/2019

Current Licensee: Vyve Broadband J

FROM: BCI BROADBAND HOLDINGS, LLC

TO: Eagle Broadband Investments, LLC

No. of Station(s) listed: 11

SES-T/C-20191209-01676 E E090031 Tribune Television New Orleans, Inc.

Application for Consent to Transfer of Control
Grant of Authority

Date Effective: 01/14/2020

Current Licensee: Tribune Television New Orleans, Inc.

FROM: Tribune Broadcasting Company, LLC

TO: Tribune Media Company

No. of Station(s) listed: 2

SES-T/C-20191213-01732 E E030207 Tribune Broadcasting Seattle, LLC

Application for Consent to Transfer of Control
Grant of Authority

Date Effective: 01/14/2020

Current Licensee: Tribune Broadcasting Seattle, LLC

FROM: Tribune Broadcasting Company, LLC

TO: Tribune Media Company

No. of Station(s) listed: 4

SES-T/C-20191213-01745 E E890118 WITI License, LLC (d/b/a C/O NEXSTAR MEDIA GROUP, INC.)

Application for Consent to Transfer of Control
Grant of Authority

Date Effective: 01/14/2020

Current Licensee: WITI License, LLC

FROM: FOXCO ACQUISITION SUB, LLC

TO: Tribune Broadcasting Company II, LLC

No. of Station(s) listed: 1

SES-T/C-20191213-01746 E E100190 WDAF License, Inc.

Application for Consent to Transfer of Control
Grant of Authority

Date Effective: 01/14/2020

Current Licensee: WDAF LICENSE, LLC

FROM: FOXCO ACQUISITION SUB, LLC

TO: Tribune Broadcasting Company II, LLC

No. of Station(s) listed: 2

CORRECTIONS

SES-LIC-20190411-00503 E190201 ViaSat, Inc.

Application for Ka Band Aeronautical Antennas

This Grant of Authority is corrected and reissued to correct the conditions on the authority to operate consistent with the Commission's rules.

SES-MOD-20190212-00172 E180006 ViaSat, Inc.

Application for Modification of Ka Band Aeronautical Antennas

This Grant of Authority is corrected and reissued to correct the conditions on the authority to operate consistent with the Commission's rules.

SURRENDER

SES-LIC-20040716-01003 E040302 SES Americom, Inc.

SURRENDER

License surrendered by letter filed on January 10, 2020.

SES-REG-20130813-00724 E130154 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130813-00726 E130156 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130819-00739 E130162 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130819-00743 E130166 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130819-00746 E130169 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130819-00747 E130170 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130819-00749 E130172 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130913-00795 E130178 San Antonio Community Educational TV, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130913-00801 E130179 Community Educational TV Inc

License surrendered by letter filed on January 13, 2020.

SES-REG-20130913-00802 E130180 Community Educational TV Inc

License surrendered by letter filed on January 13, 2020.

SES-REG-20130913-00803 E130181 Jacksonville Educators Broadcasting, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130913-00804 E130182 Jacksonville Educators Broadcasting, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130913-00805 E130183 Community Educational TV Inc

License surrendered by letter filed on January 13, 2020.

SES-REG-20130918-00822 E130193 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130918-00823 E130194 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130918-00825 E130196 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130918-00827 E130198 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20130918-00828 E130199 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

SES-REG-20170621-00668 E170120 Trinity Christian Center of Santa Ana, Inc.

License surrendered by letter filed on January 13, 2020.

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