



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-02188

Wednesday August 7, 2019

Satellite Communications Services Information re: Actions Taken

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

SES-ASG-20190514-00628 E E050118 Peak Uplink, Inc
Application for Consent to Assignment
Grant of Authority Date Effective: 08/01/2019

Current Licensee: Talking Rock Communications, Inc.
FROM: Talking Rock Communications, Inc.
TO: Peak Uplink, Inc

No. of Station(s) listed: 1

SES-ASG-20190523-00630 E E900620 Live Mobile Group LLC
Application for Consent to Assignment
Grant of Authority Date Effective: 08/01/2019

Current Licensee: Live Mobile Group LLC
FROM: Live Mobile Group LLC
TO: Boxer Media Group

No. of Station(s) listed: 1

SES-ASG-20190719-00944 E E110012 General Dynamics SATCOM Technologies
Application for Consent to Assignment
Grant of Authority Date Effective: 08/01/2019

Current Licensee: General Dynamics SATCOM Technologies
FROM: General Dynamics SATCOM Technologies, Inc.
TO: General Dynamics Mission Systems, Inc.

No. of Station(s) listed: 1

SES-LIC-20180608-01392 E E180787 GCI Communication Corp.
Application for Authority 08/05/2019 - 08/05/2034
Grant of Authority Date Effective: 08/05/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: Lot 6&7, Block 2, US Survey 5023 Townsite of Chevak, Kusilvak, Chevak, AK
61 ° 31 ' 47.80 " N LAT. 165 ° 34 ' 51.10 " W LONG.

ANTENNA ID:	3.6M.	3.6 meters	Scientific Atlanta	8136	
	5925.0000 - 6425.0000 MHz		45K0G7W-	66.90 dBW	Digital modulation including PSK, APSK for data and telephone services.
	5925.0000 - 6425.0000 MHz		74M0G7W	6.90 dBW	Digital modulation including PSK, APSK for data and telephone services.
	3700.0000 - 4200.0000 MHz		45K0G7W-		Digital modulation including PSK, APSK for data and telephone services.
	3700.0000 - 4200.0000 MHz		74M0G7W		Digital modulation including PSK, APSK for data and telephone services.
	5925.0000 - 6425.0000 MHz		45K0D7W -	66.90 dBW	Digital modulation QAM for data and telephone services.
	5925.0000 - 6425.0000 MHz		72M0D7W	66.90 dBW	Digital modulation QAM for data and telephone services.
	3700.0000 - 4200.0000 MHz		45K0D7W -		Digital modulation QAM for data and telephone services.
	3700.0000 - 4200.0000 MHz		72M0D7W		Digital modulation QAM for data and telephone services.

Points of Communication:

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

SES-LIC-20190612-00770 E E190491 Intelsat License LLC
Application for Authority 07/31/2019 - 07/31/2034
Grant of Authority Date Effective: 07/31/2019

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: CONUS

ANTENNA ID:	4	0.96 meters	GCS	L3-Panther 2	
	14000.0000 - 14500.0000 MHz		2M10G7W	46.70 dBW	Digital Data
	14000.0000 - 14500.0000 MHz		780KG7W	42.40 dBW	Digital Data
	11700.0000 - 12200.0000 MHz		12M7G7W		Digital Data

	11700.0000 - 12200.0000 MHz	15M0G7W		Digital Data
ANTENNA ID:	5	0.6 meters	GCS	L3-Panther 2
	14000.0000 - 14500.0000 MHz	2M10G7W	42.00 dBW	Digital Data
	14000.0000 - 14500.0000 MHz	780KG7W	37.70 dBW	Digital Data
	11700.0000 - 12200.0000 MHz	12M7G7W		Digital Data
	11700.0000 - 12200.0000 MHz	15M0G7W		Digital Data
ANTENNA ID:	6	1.2 meters	Skyware Global	123 Class II
	14000.0000 - 14500.0000 MHz	2M10G7W	41.70 dBW	Digital Data
	14000.0000 - 14500.0000 MHz	780KG7W	37.40 dBW	Digital Data
	11700.0000 - 12200.0000 MHz	12M7G7W		Digital Data
	11700.0000 - 12200.0000 MHz	15M0G7W		Digital Data
ANTENNA ID:	1	0.75 meters	GATR	075M
	14000.0000 - 14500.0000 MHz	2M10G7W	41.70 dBW	Digital Data
	14000.0000 - 14500.0000 MHz	780KG7W	37.70 dBW	Digital Data
	11700.0000 - 12200.0000 MHz	12M7G7W		Digital Data
	11700.0000 - 12200.0000 MHz	15M0G7W		Digital Data
ANTENNA ID:	2	1.2 meters	GATR	1.2M
	14000.0000 - 14500.0000 MHz	2M10G7W	41.70 dBW	Digital Data
	14000.0000 - 14500.0000 MHz	780KG7W	37.40 dBW	Digital Data
	11700.0000 - 12200.0000 MHz	12M7G7W		Digital Data
	11700.0000 - 12200.0000 MHz	15M0G7W		Digital Data
ANTENNA ID:	3	2.4 meters	GATR	2.4M
	14000.0000 - 14500.0000 MHz	2M10G7W	41.70 dBW	Digital Data
	14000.0000 - 14500.0000 MHz	780KG7W	37.40 dBW	Digital Data
	11700.0000 - 12200.0000 MHz	12M7G7W		Digital Data
	11700.0000 - 12200.0000 MHz	15M0G7W		Digital Data

Points of Communication:

1 - GALAXY 18 (S2733) - (123 W.L.)

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

1 - PERMITTED LIST - ()

1 - SKY-B1(S2922) - (43.15 W.L.)

SES-MOD-20180626-01472 E E170205 Alaska Communications Internet, LLC

Application for Modification

02/16/2018 - 02/16/2033

Grant of Authority

Date Effective: 08/05/2019

Class of Station: Fixed Earth Stations

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
	3944.0000 - 4016.0000 MHz		72M0G7W		Modulation and Services Digital
	6169.0000 - 6241.0000 MHz		3M00G7W	58.40 dBW	Modulation and Services Digital
	6169.0000 - 6241.0000 MHz		72M0G7W	58.40 dBW	Modulation and Services Digital

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.

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

SITE ID: JJSS
 LOCATION: Johnnie John Sr School, Crooked Creek, AK
 61 ° 51 ' 48.60 " N LAT. 158 ° 8 ' 18.20 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

3944.0000 - 4016.0000 MHz 3M00G7W Digital

3944.0000 - 4016.0000 MHz 9M50G7W Digital

5960.2000 - 6001.0000 MHz 1M00G7W 52.50 dBW Digital

5960.2000 - 6001.0000 MHz 5M60G7W 52.50 dBW Digital

3944.0000 - 4016.0000 MHz 3M00G7W Digital

3944.0000 - 4016.0000 MHz	9M50G7W		Digital
5960.2000 - 6001.0000 MHz	1M00G7W	52.50 dBW	Digital
5960.2000 - 6001.0000 MHz	5M60G7W	52.50 dBW	Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital
5960.2000 - 6001.0000 MHz	1M00G7W	52.50 dBW	Digital
5960.2000 - 6001.0000 MHz	5M60G7W	52.50 dBW	Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital
5960.2000 - 6001.0000 MHz	1M00G7W	52.50 dBW	Digital
5960.2000 - 6001.0000 MHz	5M60G7W	52.50 dBW	Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital
5960.2000 - 6001.0000 MHz	1M00G7W	52.50 dBW	Digital
5960.2000 - 6001.0000 MHz	5M60G7W	52.50 dBW	Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital
5929.0000 - 6001.0000 MHz	1M00G7W	52.50 dBW	Digital
5929.0000 - 6001.0000 MHz	5M60G7W	52.50 dBW	Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital
5929.0000 - 6001.0000 MHz	1M00G7W	52.50 dBW	Digital
5929.0000 - 6001.0000 MHz	5M60G7W	52.50 dBW	Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital
6189.5650 - 6237.5650 MHz	1M00G7W	52.50 dBW	Digital

6189.5650 - 6237.5650 MHz	5M60G7W	52.50 dBW	Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital
6189.5650 - 6237.5650 MHz	1M00G7W	52.50 dBW	Digital
6189.5650 - 6237.5650 MHz	5M60G7W	52.50 dBW	Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital
6189.5650 - 6237.5650 MHz	1M00G7W	52.50 dBW	Digital
6189.5650 - 6237.5650 MHz	5M60G7W	52.50 dBW	Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital
3944.0000 - 4016.0000 MHz	3M00G7W		Digital
3944.0000 - 4016.0000 MHz	9M50G7W		Digital

SITE ID: GMSHS
LOCATION: Gusty Michael School, Stoney River, AK
61 ° 47 ' 13.60 " N LAT. 156 ° 35 ' 17.70 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

SITE ID: GMHS
LOCATION: George Morgan Senior High School, Kalskag, AK
61 ° 31 ' 57.90 " N LAT. 160 ° 20 ' 50.00 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

SITE ID: JOGES
LOCATION: Joseph & OlingaGregory Elementary School, Kalskag, AK
61 ° 32 ' 41.90 " N LAT. 160 ° 19 ' 3.70 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

SITE ID: ZLES
LOCATION: Zackar Levi Elementary School, Kalskag, AK
61 ° 30 ' 43.60 " N LAT. 160 ° 21 ' 41.50 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

SITE ID: ST PAUL
LOCATION: 100 Harbor View Drive, St. Paul, St. Paul, AK
57 ° 7 ' 23.00 " N LAT. 170 ° 6 ' 45.00 " W LONG.

ANTENNA ID: VSAT 1 3.8 meters General Dynamics 1383

3944.0000 - 4016.0000 MHz 3M00G7W Digital

3944.0000 - 4016.0000 MHz 9M50G7W Digital

SITE ID: TEST SITE
LOCATION: 600 Telephone Ave, Anchorage, Anchorage, AK
63 ° 11 ' 10.50 " N LAT. 149 ° 52 ' 15.60 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

SITE ID: EX INLET
LOCATION: Excursion Inlet, Haines Borough, Excursion Inlet, AK
58 ° 24 ' 55.30 " N LAT. 135 ° 26 ' 36.40 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

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

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

SITE ID: ANIAK DO
LOCATION: Aniak District Office, Aniak, AK
61 ° 34 ' 48.30 " N LAT. 159 ° 33 ' 6.70 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

SITE ID: JSHS
LOCATION: Junior Senior High School, Bethel Census Area, Aniak, AK
61 ° 34 ' 48.30 " N LAT. 159 ° 33 ' 6.70 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

SITE ID: AMNES
LOCATION: Auntie Mary Nicoli Elementary School, Aniak, AK
61 ° 34 ' 49.00 " N LAT. 159 ° 31 ' 51.70 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

SITE ID: CVSS
LOCATION: Crown Village Sam School, Chuathbaluk, AK
61 ° 34 ' 23.70 " N LAT. 159 ° 14 ' 57.80 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

SITE ID: JESS
LOCATION: Jack Egnaty Senior School, Sleetmute, AK
61 ° 42 ' 9.70 " N LAT. 15 ° 10 ' 14.90 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN 1244

SITE ID: NAKNEK
LOCATION: Bristol Bay Borough, Naknek, AK
58 ° 43 ' 43.70 " N LAT. 157 ° 0 ' 0.90 " W LONG.

ANTENNA ID: VSAT 2 2.4 meters PRODELIN

Points of Communication:

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

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.)

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

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

ANIAK DO - EUTELSAT115WB(S2938) - (114.9 W.L.)

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

EX INLET - EUTELSAT115WB(S2938) - (114.9 W.L.)

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

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

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

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

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

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

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

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

ST PAUL - EUTELSAT115WB(S2938) - (114.9 W.L.)

TEST SITE - EUTELSAT115WB(S2938) - (114.9 W.L.)

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

SES-MOD-20190514-00654 E E150097 ISAT US Inc.

Application for Modification

10/22/2015 - 10/22/2030

Withdrawn

Date Effective: 08/01/2019

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4000 Blanket Terminals, CONUS, PR, USVI

ANTENNA ID:	Fixed 1	0.75 meters	Cobham SATCOM	3075
	29500.0000 - 30000.0000 MHz	460KG7W	42.60 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
	29500.0000 - 30000.0000 MHz	5M00G1W	51.20 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
	29500.0000 - 30000.0000 MHz	3M32G7W	51.20 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
	19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link

ANTENNA ID:	TF 1	0.75 meters	Cobham SATCOM	5075
	29500.0000 - 30000.0000 MHz	460KG7W	42.60 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
	29500.0000 - 30000.0000 MHz	5M00G1W	51.20 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
	29500.0000 - 30000.0000 MHz	3M32G7W	51.20 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
	19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link

SITE ID: 2

LOCATION: 4000 Blanket Terminals, CONUS, PR, USVI

ANTENNA ID:	TF 2	1 meters	Cobham SATCOM	7100
	29500.0000 - 30000.0000 MHz	460KG7W	45.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling

29500.0000 - 30000.0000 MHz	5M00G1W	54.90 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	4M18G7W	54.90 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link

SITE ID: 3
LOCATION: 4000 Blanket Terminals, CONUS, PR, USVI

ANTENNA ID: Fixed 3	0.85 meters	L3	Cheetah II
29500.0000 - 30000.0000 MHz	460KG7W	44.40 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	53.80 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	3M99G7W	53.80 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link

SITE ID: 5
LOCATION: 4000 Blanket Terminals, CONUS, PR, USVI

ANTENNA ID: Fixed 5	0.69 meters	Paradigm/SWT	Connect 70
29500.0000 - 30000.0000 MHz	460KG7W	43.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	51.80 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	3M24G7W	51.80 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link

SITE ID: 6
LOCATION: 4000 Blanket Terminals, CONUS, PR, USVI

ANTENNA ID: Fixed 6	0.65 meters	SWT	Atom 65GX/01
29500.0000 - 30000.0000 MHz	460KG7W	42.60 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	49.80 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	2M40G7W	49.80 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling

19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link
ANTENNA ID: TF 6	0.65 meters	SWT	Atom 65AAGX/01
29500.0000 - 30000.0000 MHz	460KG7W	42.60 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	49.80 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	2M40G7W	49.80 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link
SITE ID: 7	LOCATION: 4000 Blanket Terminals, CONUS, PR, USVI		
ANTENNA ID: Fixed 7A	0.934 meters	Paradigm/SWT	Connect 100
29500.0000 - 30000.0000 MHz	460KG7W	45.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	53.50 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	3M03G7W	53.50 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link
ANTENNA ID: TF 7	0.934 meters	Paradigm/SWT	Connect 100T
29500.0000 - 30000.0000 MHz	460KG7W	45.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	53.50 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	3M03G7W	53.50 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link
ANTENNA ID: Fixed 7B	0.934 meters	Paradigm/SWT	SKY98GX/01
29500.0000 - 30000.0000 MHz	460KG7W	45.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	53.50 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling

29500.0000 - 30000.0000 MHz	3M03G7W	53.50 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link

SITE ID: 8
LOCATION: 4000 Blanket Terminals, CONUS, PR, USVI

ANTENNA ID: Fixed 8A	1.8 meters	Paradigm/SWT	Connect 180
29500.0000 - 30000.0000 MHz	460KG7W	52.00 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	59.40 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	2M51G7W	59.40 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link

ANTENNA ID: Fixed 8B	1.8 meters	Paradigm/SWT	SKY180GX/01
29500.0000 - 30000.0000 MHz	460KG7W	52.00 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	59.40 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	2M51G7W	59.40 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link

SITE ID: 9
LOCATION: 4000 Blanket Terminals, CONUS, PR, USVI

ANTENNA ID: Fixed 9	0.89 meters	SKYWARE TECHNOLOGIES	ATOM 99
29500.0000 - 30000.0000 MHz	460KG7W	45.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	4M18G7W	54.50 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	54.50 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W		Various modulation up to 32 APSK Digital Data Link

ANTENNA ID: TF 9	0.89 meters	SYKYWARE TECHNOLOGIES	ATOM 99
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29500.0000 - 30000.0000 MHz	460KG7W	45.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	4M18G7W	54.50 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	54.50 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W		Various modulation up to 32 APSK Digital Data Link

SITE ID: 4
LOCATION: 4000 Blanket Terminals, CONUS, PR, USVI

ANTENNA ID: Fixed 4	1.2 meters	L3	Hawkeye III Lite
29500.0000 - 30000.0000 MHz	460KG7W	46.80 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	56.40 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	4M18G7W	56.40 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	0.00 dBW	Various modulation up to 32 APSK Digital Data Link

SITE ID: 10
LOCATION: 4000 Blanket Terminals, CONUS, PR, USVI

ANTENNA ID: Fixed 10	0.75 meters	DATA PATH	QCT90GX
29500.0000 - 30000.0000 MHz	1M54G7W	51.60 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	460KG7W	45.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	51.60 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W		Various modulation up to 32 APSK Digital Data Link

ANTENNA ID: TF10	0.75 meters	DATA PATH	QCT90GX
29500.0000 - 30000.0000 MHz	1M54G7W	51.60 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	460KG7W	45.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	51.60 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling

19700.0000 - 20200.0000 MHz	32M0G7W	Various modulation up to 32 APSK Digital Data Link
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SITE ID: 11
LOCATION: 4000 Blanket Terminals, CONUS, PR, USVI

ANTENNA ID: Fixed 11	1 meters	DATA PATH	CCT120GX
29500.0000 - 30000.0000 MHz	1M52G7W	54.60 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	460KG7W	45.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	54.60 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	Various modulation up to 32 APSK Digital Data Link	

ANTENNA ID: TF11	1 meters	DATA PATH	CCT120GX
29500.0000 - 30000.0000 MHz	1M52G7W	54.60 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	460KG7W	45.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	5M00G1W	54.60 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	Various modulation up to 32 APSK Digital Data Link	

SITE ID: 12
LOCATION: 4000 Blanket Terminals CONUS, PR, USVI, AK, HI, US TERRITORIES

ANTENNA ID: Fixed 12	0.45 meters	PARADIGM	SWARM45
29500.0000 - 30000.0000 MHz	1M21G7W	46.20 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	2M42G7W	46.20 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W	Various modulation up to 32 APSK Digital Data Link	

ANTENNA ID: TF12	0.45 meters	PARADIGN	SWARM-45
29500.0000 - 30000.0000 MHz	1M21G7W	46.20 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	2M42G7W	46.20 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling

19700.0000 - 20200.0000 MHz	32M0G7W		Various modulation up to 32 APSK Digital Data Link
SITE ID: 13			
LOCATION: 1000 Blanket Terminals CONUS, PR, USVI, AK, HI, US TERRITORIES			
ANTENNA ID: Fixed 13	1 meters	COBHAM	EXPLORER8100GX
29500.0000 - 30000.0000 MHz	1M87G7W	55.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
29500.0000 - 30000.0000 MHz	953KG7W	52.30 dBW	Various modulation up to 32 APSK Digital Data Link/Data Signalling
19700.0000 - 20200.0000 MHz	32M0G7W		Various modulation up to 32 APSK Digital Data Link

Points of Communication:

- 1 - INMARSAT 5F2 - (55.0 W.L.)
- 1 - INMARSAT 5F3 - (179.6 E.L.)
- 10 - INMARSAT 5F2 - (55.0 W.L.)
- 10 - INMARSAT 5F3 - (179.6 E.L.)
- 11 - INMARSAT 5F2 - (55.0 W.L.)
- 11 - INMARSAT 5F3 - (179.6 E.L.)
- 12 - INMARSAT 5F2 - (55.0 W.L.)
- 12 - INMARSAT 5F3 - (179.6 E.L.)
- 13 - INMARSAT 5F2 - (55.0 W.L.)
- 13 - INMARSAT 5F3 - (179.6 E.L.)
- 2 - INMARSAT 5F2 - (55.0 W.L.)
- 2 - INMARSAT 5F3 - (179.6 E.L.)
- 3 - INMARSAT 5F2 - (55.0 W.L.)
- 3 - INMARSAT 5F3 - (179.6 E.L.)
- 4 - INMARSAT 5F2 - (55.0 W.L.)
- 4 - INMARSAT 5F3 - (179.6 E.L.)
- 5 - INMARSAT 5F2 - (55.0 W.L.)
- 5 - INMARSAT 5F3 - (179.6 E.L.)
- 6 - INMARSAT 5F2 - (55.0 W.L.)
- 6 - INMARSAT 5F3 - (179.6 E.L.)

ANTENNA ID: 7M SA5 7 meters Scientific Atlanta 8010D
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: 6
 LOCATION: 26102 Bonita Grande Drive, Lee, Bonita Springs, FL
 26 ° 21 ' 27.50 " N LAT. 81 ° 44 ' 32.40 " W LONG.

ANTENNA ID: 7M SA6 7 meters Scientific Atlanta 8010D
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: 7
 LOCATION: 26102 Bonita Grande Drive, Lee, Bonita Springs, FL
 26 ° 21 ' 26.20 " N LAT. 81 ° 44 ' 32.60 " W LONG.

ANTENNA ID: 7M SA7 7 meters Scientific Atlanta 8010D
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: 8
 LOCATION: 26102 Bonita Grande Drive, Lee, Bonita Springs, FL
 26 ° 21 ' 27.90 " N LAT. 81 ° 44 ' 33.00 " W LONG.

ANTENNA ID: 7M SA8 7 meters Scientific Atlanta 8010D
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: 9
 LOCATION: 26102 Bonita Grande Drive, Lee, Bonita Springs, FL
 26 ° 21 ' 28.00 " N LAT. 81 ° 44 ' 31.40 " W LONG.

ANTENNA ID: 3M SA1 3 meters Scientific Atlanta 8335
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: 10
 LOCATION: 26102 Bonita Grande Drive, Lee, Bonita Springs, FL
 26 ° 21 ' 28.10 " N LAT. 81 ° 44 ' 33.30 " W LONG.

ANTENNA ID: 7M SA9 7 meters Scientific Atlanta 7 meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: 11
 LOCATION: 26102 Bonita Grande Drive, Lee, Bonita Springs, FL
 26 ° 21 ' 28.20 " N LAT. 81 ° 44 ' 31.60 " W LONG.

ANTENNA ID: 3M SA2 3 meters Scientific Atlanta 8335
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: 12
LOCATION: 26102 Bonita Grande Drive, Lee, Bonita Springs, FL
26 ° 21 ' 27.70 " N LAT. 81 ° 44 ' 32.70 " W LONG.

ANTENNA ID: 7M SA10 7 meters Scientific Atlanta 8010D

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: 13
LOCATION: 26102 Bonita Grande Drive, Lee, Bonita Springs, FL
26 ° 21 ' 28.90 " N LAT. 81 ° 44 ' 32.40 " W LONG.

ANTENNA ID: 4.5M SA1 4.5 meters Scientific Atlanta 8345

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: 14
LOCATION: 26102 Bonita Grande Drive, Lee, Bonita Springs, FL
26 ° 21 ' 28.90 " N LAT. 89 ° 50 ' 32.40 " W LONG.

ANTENNA ID: 4.5M SA2 4.5 meters Scientific Atlanta 8345

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: 15
LOCATION: 26102 Bonita Grande Drive, Lee, Bonita Springs, FL
26 ° 21 ' 28.50 " N LAT. 81 ° 44 ' 31.80 " W LONG.

ANTENNA ID: 3M SA3 3 meters Scientific Atlanta 8335

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

10 - PERMITTED LIST - ()

11 - PERMITTED LIST - ()

12 - PERMITTED LIST - ()

13 - PERMITTED LIST - ()

14 - PERMITTED LIST - ()

15 - 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-RWL-20190329-00403 E E040169 NEXTEL COMMUNICATIONS OF THE MID-ATLANTIC INC
Renewal 05/19/2019 - 05/19/2034
Grant of Authority Date Effective: 07/31/2019

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

SITE ID: MCLEANHUB1
LOCATION: 1768 OLD MEADOW ROAD,(2.4 M. HUB) American Samoa, Guam & Mariana Islands, FAIRFAX, CONUS, HI,PR,VI US, VA
38 ° 55 ' 7.00 " N LAT. 77 ° 12 ' 49.00 " W LONG.

ANTENNA ID: HUB1	2.4 meters	PRODELIN CORPORATION	1244
14000.0000 - 14500.0000 MHz	1M34G7W	60.40 dBW	DIGITAL VOICE, FAX, AND DATA
11700.0000 - 12200.0000 MHz	1M34G7W		DIGITAL VOICE, FAX, AND DATA

SITE ID: REMOTE1
LOCATION: (1.8M. VSAT), 5 UNITS American Samoa, Guam & Mariana Islands, CONUS US HI PR VI AK

ANTENNA ID: REMOTE1	1.8 meters	AVL TECHNOLOGIES	1.8M. SNG
14000.0000 - 14500.0000 MHz	1M34G7W	57.90 dBW	DIGITAL VOICE, FAX, AND DATA
11700.0000 - 12200.0000 MHz	1M34G7W		DIGITAL VOICE, FAX, AND DATA

SITE ID: FRANKLIHUB2
LOCATION: 254 S. HIGHWAY 23,(4.9 M. HUB) American Samoa, Guam & Mariana Islands, SUSSEX, CONUS, HI,PR,VI US, NJ
41 ° 7 ' 4.30 " N LAT. 74 ° 34 ' 31.60 " W LONG.

ANTENNA ID: HUB2	4.9 meters	ANDREW CORPORATION	ESA49
14000.0000 - 14500.0000 MHz	10K3G7W-	45.10 dBW	DIGITAL VOICE, FAX, AND DATA
14000.0000 - 14500.0000 MHz	54M0G7W	74.00 dBW	DIGITAL VOICE, FAX, AND DATA
11700.0000 - 12200.0000 MHz	10K3G7W-		DIGITAL VOICE, FAX, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL VOICE, FAX, AND DATA

SITE ID: LIVERMOREHUB3
LOCATION: 8851 MANNING ROAD,(4.9 M. HUB) American Samoa, Guam & Mariana Islands, CONTRA COSTA, CONUS, HI,PR,VI
US, CA
37 ° 45 ' 39.70 " N LAT. 121 ° 47 ' 56.80 " W LONG.

ANTENNA ID: HUB3 4.9 meters ANDREW CORPORATION ESA49
14000.0000 - 14500.0000 MHz 10K3G7W- 45.10 dBW DIGITAL VOICE, FAX, AND DATA
14000.0000 - 14500.0000 MHz 54M0G7W 74.00 dBW DIGITAL VOICE, FAX, AND DATA
11700.0000 - 12200.0000 MHz 10K3G7W- DIGITAL VOICE, FAX, AND DATA
11700.0000 - 12200.0000 MHz 54M0G7W DIGITAL VOICE, FAX, AND DATA

SITE ID: REMOTE2
LOCATION: (1.8M. VSAT), 25 UNITS American Samoa, Guam & Mariana Islands, CONUS US HI PR VI AK

ANTENNA ID: REMOTE2 1.8 meters VERTEX/RSI 1.8M SMK
14000.0000 - 14500.0000 MHz 1M34G7W 57.10 dBW DIGITAL VOICE, FAX, AND DATA
11700.0000 - 12200.0000 MHz 1M34G7W DIGITAL VOICE, FAX, AND DATA

Points of Communication:

FRANKLIHUB2 - PERMITTED LIST - ()
LIVERMOREHUB3 - PERMITTED LIST - ()
MCLEANHUB1 - PERMITTED LIST - ()
REMOTE1 - PERMITTED LIST - ()
REMOTE2 - PERMITTED LIST - ()

SES-RWL-20190510-00584 E E940333 Intelsat License LLC
Renewal 06/17/2019 - 06/17/2034
Grant of Authority Date Effective: 08/02/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2857 Fork Creek Church Road, DEKALB, ELLENWOOD, GA
33 ° 39 ' 49.00 " N LAT. 84 ° 16 ' 19.00 " W LONG.

ANTENNA ID: 1 13 meters VERTEX KPC
5925.0000 - 6425.0000 MHz 36M0F9W 87.00 dBW
3700.0000 - 4200.0000 MHz 36M0F9W

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190516-00587 E E040273 Fordham University
Renewal 06/18/2019 - 06/18/2034
Grant of Authority Date Effective: 08/06/2019

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 441 EAST FORDHAM RD (WFUV-FM) KEATING HALL, ROOM 303, BRONX, BRONX, NY
40 ° 51 ' 37.00 " N LAT. 73 ° 53 ' 1.50 " W LONG.

ANTENNA ID:	1	3.8 meters	Comtech Antenna Systems	3.8 METER PF
	3700.0000 - 4200.0000 MHz	10M3G7W	0.00 dBW	DIGITAL BROADCAST AUDIO CARRIER
	3700.0000 - 4200.0000 MHz	30K0F1D	0.00 dBW	DIGITAL BROADCAST AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190516-00619 E E7355 Hearst Stations Inc.
Renewal 07/13/2019 - 07/13/2034
Grant of Authority Date Effective: 08/06/2019

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: SACRAMENTO, SACRAMENTO, CA
38 ° 15 ' 52.00 " N LAT. 121 ° 29 ' 22.00 " W LONG.

ANTENNA ID:	1	10 meters	SCIENTIFIC ATLANTA	8002-SHORT MOUNT
	3700.0000 - 4200.0000 MHz	36000F9		

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190520-00611 E E940273 CBS Broadcasting Inc.
Renewal 06/24/2019 - 06/24/2034
Grant of Authority Date Effective: 08/06/2019

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 123 CBS LANE, LOS ANGELES, MOUNT WILSON, CA
34 ° 13 ' 57.00 " N LAT. 118 ° 4 ' 22.00 " W LONG.

ANTENNA ID: 1 4.6 meters ANDREW ESA46-124
14000.0000 - 14500.0000 MHz 36M0F3F 72.40 dBW
14000.0000 - 14500.0000 MHz 36K0F3E 51.40 dBW
11700.0000 - 12200.0000 MHz 36M0F3F

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190603-00694 E E040347 Board Of Regents, Univ. Of Wisconsin System
Renewal 08/27/2019 - 08/27/2034
Grant of Authority Date Effective: 08/06/2019

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 515 NORTH 15TH STREET (WLSU-FM), LA CROSSE, LA CROSSE, WI
43 ° 48 ' 58.00 " N LAT. 91 ° 14 ' 5.00 " W LONG.

ANTENNA ID: 1 3.7 meters PRODELIN CORPORATION 3.7 M. PF/ 136-750
3700.0000 - 4200.0000 MHz 10M3G7W 0.00 dBW DIGITAL AUDIO CARRIER
3700.0000 - 4200.0000 MHz 30K0F1D 0.00 dBW DIGITAL AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190708-00897 E KA446 AT&T Corp.
Renewal 10/06/2019 - 10/06/2034
Grant of Authority Date Effective: 08/06/2019

Class of Station: Fixed Earth Stations

Nature of Service: International Fixed Satellite Service

SITE ID: 1
LOCATION: RD #3 BOX 49, CATAWISSA, ROARING CREEK, PA
40 ° 53 ' 34.20 " N LAT. 76 ° 26 ' 23.40 " W LONG.

ANTENNA ID: 1 32 meters NIPPON ELECTRIC CASS
14000.0000 - 14500.0000 MHz 36M0F8W 87.90 dBW FDM/FM

SES-RWL-20190718-00932 E E040213 ViaSat, Inc.

Renewal

09/21/2019 - 09/21/2034

Grant of Authority

Date Effective: 08/06/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: GES-1

LOCATION: 22401 Juniper Flats Road, Riverside, Nuevo, CA

33 ° 47 ' 47.20 " N LAT.

117 ° 5 ' 20.40 " W LONG.

ANTENNA ID:	GES-1-A	8.1 meters	Andrew Corporation, Inc.	ES-81-KA-1
	29250.0000 - 29500.0000 MHz	22M5G7W	77.20 dBW	PSK, Data & Internet
	29250.0000 - 29500.0000 MHz	30M0G7W	78.45 dBW	PSK, DATA, INTERNET
	28350.0000 - 28600.0000 MHz	22M5G7W	77.20 dBW	PSK, Data & Internet
	28350.0000 - 28600.0000 MHz	30M0G7W	78.45 dBW	PSK, DATA, INTERNET
	18300.0000 - 18800.0000 MHz	1M60G7W	0.00 dBW	PSK, Data & Internet
	18300.0000 - 18800.0000 MHz	200KG7W	0.00 dBW	PSK, Data & Internet
	18300.0000 - 18800.0000 MHz	400KG7W	0.00 dBW	PSK, Data & Internet
	18300.0000 - 18800.0000 MHz	800KG7W	0.00 dBW	PSK, Data & Internet

ANTENNA ID:	GES-1-B	5.6 meters	Andrew Corporation, Inc.	ES-56-KA-1
	29500.0000 - 30000.0000 MHz	22M5G7W	74.20 dBW	PSK, Data & Internet
	29250.0000 - 29500.0000 MHz	22M5G7W	74.20 dBW	PSK, Data & Internet
	29250.0000 - 29500.0000 MHz	30M0G7W	75.45 dBW	PSK, DATA, INTERNET
	28350.0000 - 28600.0000 MHz	22M5G7W	74.20 dBW	PSK, Data & Internet
	28350.0000 - 28600.0000 MHz	30M0G7W	75.45 dBW	PSK, DATA, INTERNET
	19700.0000 - 20200.0000 MHz	1M60G7W	0.00 dBW	PSK, Data & Internet
	19700.0000 - 20200.0000 MHz	200KG7W	0.00 dBW	PSK, Data & Internet
	19700.0000 - 20200.0000 MHz	400KG7W	0.00 dBW	PSK, Data & Internet
	19700.0000 - 20200.0000 MHz	800KG7W	0.00 dBW	PSK, Data & Internet
	18300.0000 - 18800.0000 MHz	1M60G7W	0.00 dBW	PSK, Data & Internet
	18300.0000 - 18800.0000 MHz	200KG7W	0.00 dBW	PSK, Data & Internet

18300.0000 - 18800.0000 MHz	400KG7W	0.00 dBW	PSK, Data & Internet
18300.0000 - 18800.0000 MHz	800KG7W	0.00 dBW	PSK, Data & Internet
ANTENNA ID: GES-1-C	8.1 meters	Andrew Corporation, Inc.	ES-81-KA-1
29250.0000 - 29500.0000 MHz	22M5G7W	77.20 dBW	PSK, Data & Internet
29250.0000 - 29500.0000 MHz	30M0G7W	78.45 dBW	PSK, DATA, INTERNET
28350.0000 - 28600.0000 MHz	22M5G7W	77.20 dBW	PSK, Data & Internet
28350.0000 - 28600.0000 MHz	30M0G7W	78.45 dBW	PSK, DATA, INTERNET
18300.0000 - 18800.0000 MHz	1M60G7W		PSK, Data & Internet
18300.0000 - 18800.0000 MHz	200KG7W		PSK, Data & Internet
18300.0000 - 18800.0000 MHz	400KG7W		PSK, Data & Internet
18300.0000 - 18800.0000 MHz	800KG7W		PSK, Data & Internet

Points of Communication:

GES-1 - ANIK F2 - (111.1 W.L.)

GES-1 - WILDBLUE 1(S2355) - (111.1 W.L.)

SES-RWL-20190724-00957 E KN43 San Bernardino Community College District
Renewal 08/24/2019 - 08/24/2034
Grant of Authority Date Effective: 08/06/2019

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 701 S. MT. VERNON AVENUE (KVCR-FM), SAN BERNARDINO, SAN BERNARDINO, CA
34 ° 5 ' 6.12 " N LAT. 117 ° 18 ' 45.88 " W LONG.

ANTENNA ID: 1	4.5 meters	COMTECH ANTENNA SYSTEMS	4.5 METER PF
3700.0000 - 4200.0000 MHz	10M3G7W		DIGITAL AUDIO CARRIER; DIGITAL BROADCAST AUDIO CARRIE
3700.0000 - 4200.0000 MHz	30K0F1D		DIGITAL AUDIO CARRIER; DIGITAL BROADCAST AUDIO CARRIE

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190725-00955 E E040411 KCBX, Inc
Renewal 10/22/2019 - 10/22/2034
Grant of Authority Date Effective: 08/01/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4100 VACHELL LANE (KCBX-FM), SAN LUIS OBISPO, SAN LUIS OBISPO, CA
35 ° 14 ' 34.30 " N LAT. 120 ° 40 ' 31.90 " W LONG.

ANTENNA ID:	3.7M.	3.7 meters	PRODELIN CORPORATION	136-750
	3700.0000 - 4200.0000 MHz		10M3G7W	DIGITAL AUDIO CARRIER
	3700.0000 - 4200.0000 MHz		30K0F1D	DIGITAL AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20190726-01007 E E940284 Comcast Cable Communications Management, LLC
Renewal 07/29/2019 - 07/29/2034
Grant of Authority Date Effective: 07/30/2019

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 7235 W. Titan Road, DOUGLAS, TITAN #3, CO
39 ° 30 ' 52.00 " N LAT. 105 ° 1 ' 28.00 " W LONG.

ANTENNA ID:	1	9.2 meters	SCIENTIFIC ATLANTA	8009-1
	5925.0000 - 6425.0000 MHz		36M0F1W	86.30 dBW
	5925.0000 - 6425.0000 MHz		36M0F2W	86.30 dBW
	5925.0000 - 6425.0000 MHz		36M0F3W	86.30 dBW
	5925.0000 - 6425.0000 MHz		36M0F7W	86.30 dBW
	5925.0000 - 6425.0000 MHz		36M0F8W	86.30 dBW
	5925.0000 - 6425.0000 MHz		36M0F9W	86.30 dBW
	5925.0000 - 6425.0000 MHz		36M0FXW	86.30 dBW
	5925.0000 - 6425.0000 MHz		36M0G1W	86.30 dBW
	5925.0000 - 6425.0000 MHz		36M0G2W	86.30 dBW

5925.0000 - 6425.0000 MHz	36M0G3W	86.30 dBW
5925.0000 - 6425.0000 MHz	36M0G7W	86.30 dBW
5925.0000 - 6425.0000 MHz	36M0G8W	86.30 dBW
5925.0000 - 6425.0000 MHz	36M0G9W	86.30 dBW
5925.0000 - 6425.0000 MHz	36M0GXW	86.30 dBW

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20190521-00633 E KA258 Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 08/01/2019

Class of Station:

On August 1, 2019, Intelsat License LLC was granted a special temporary authority for 30 days, beginning August 3, 2019, to operate its fixed earth station in Hagerstown, MD to provide launch and early orbit phase (LEOP) services for the Turkmenistan-licensed AMOS-17 satellite's scheduled in-orbit testing at the 13.8° E.L orbital location and permanent orbital location 17° E.L. in the 14497.5 MHz and 14499.5 MHz (Earth-to-space), and 11449.0 MHz, 11699.5 MHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20190702-00882 E KA275 Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 08/02/2019

Class of Station:

On August 2, 2019, Intelsat License LLC was granted special temporary authority, for 30 days, beginning August 2, 2019, to operate its fixed earth station in Hagerstown, MD to provide launch and early orbit phase (LEOP) services for the Intelsat 39 (S3023) satellite at its permanent orbital location 62.0° E.L.in the 6174.7 MHz and 6177.3 MHz (Earth-to-space), and 3948.5 MHz, 3949.0 MHz, 3951.0 MHz, 3953.0 MHz and 3953.5 MHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20190711-00911 E Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 08/05/2019

Class of Station:

On August 5, 2019, Intelsat License LLC ("Intelsat") is granted a special temporary authority for 30 days, beginning November 16, 2019, to utilize a 7.3m S-band antenna located at its Paumalu, Hawaii teleport to provide telemetry, tracking, and command ("TT&C") for the STPSat-4 satellite during launch and early orbit phase ("LEOP"), in-orbit testing ("IOT"), drift, and in its final orbit using the following frequencies: 2109.75 MHz (RHCP)(Earth-to-space) and 2277.90 MHz (space-to-Earth).

Points of Communication:

SES–STA–20190712–00913 E E190031 Alascom, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 08/02/2019

Class of Station:

On August 2, 2019, Alascom, Inc. was granted special temporary authority for 30 days, beginning August 2, 2019, to operate its fixed earth station in Anchorage, AK to backup telecommunication services to communities with the Spaceway1(S2191) satellite in the 29500-30000 MHz (Earth-to-space), and 19700-20200 (space-to-Earth) frequency bands.

Points of Communication:

SES–STA–20190717–00972 E E090068 DIRECTV Enterprises, LLC
Special Temporary Authority
Grant of Authority

Date Effective: 08/06/2019

Class of Station:

On August 6, 2019, DIRECTV Enterprises, LLC was granted special temporary authority for 60 days, beginning August 6, 2019, to operate its fixed earth station in Los Angeles, CA to communicate with the DIRECTV 15 (S2930) satellite at the 100.85° W.L. orbital location and the DIRECTV 16 (S3039) satellite at the 100.85° W.L. orbital location in the 17.3-17.8 GHz (Earth-to-space), and 12.2-12.7 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES–STA–20190717–00988 E Intelsat License LLC
Special Temporary Authority
Grant of Authority

Date Effective: 08/05/2019

Class of Station:

On August 5, 2019, Intelsat License LLC was granted special temporary authority for 30 days, beginning August 5, 2019 to operate its 7.3-meter fixed earth station antenna in Paumalu, HI with the OTB non-geostationary orbit satellite in the 720 km×720 km, 24°inclined orbit on center frequencies: 2061.0 MHz, 2062.0 MHz, and 2063.0 MHz (Earth-to-space), and 2272.5 MHz (space-to-Earth) to provide telemetry, tracking, and command during its launch and early orbit phase (LEOP) and in-orbit testing (IOT) phases.

Points of Communication:

SES–STA–20190723–00974 E E120228 New Cingular Wireless PCS, LLC
Special Temporary Authority
Grant of Authority

Date Effective: 08/05/2019

Class of Station:

On August 5, 2019, New Cingular Wireless PCS, LLC was granted special temporary authority for 60 days to operate a 1.8m GD Satcom and a 1.2 m AVL antenna in the 14000-14500 MHz (Earth-to-space) and 11700-12200 MHz (space-to-Earth) frequency bands with the Permitted List satellites.

Points of Communication:

SES–STA–20190723–00976 E E980285 DIRECTV Enterprises, LLC
Special Temporary Authority
Grant of Authority

Date Effective: 08/06/2019

Class of Station:

On August 6, 2019, DIRECTV Enterprises, LLC was granted special temporary authority for 30 days, beginning August 6, 2019, to operate its fixed earth station in Los Angeles, CA to support in-orbit testing (IOT) of the T16 (S3039) satellite at the 134.75° W.L. orbital location and during T16's drift to 100.85° W.L. orbital location. Operations are limited to frequency bands 17.789 GHz & 17.791 GHz (Earth-to-space) and 12.697 GHz and 12.698 GHz (space-to-Earth) for telemetry, tracking and command (TT&C) operations.

Points of Communication:

SES-STA-20190725-00985 E KA275 Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 08/06/2019

Class of Station:

On August 6, 2019, Intelsat License LLC was granted special temporary authority for 30 days, beginning August 6, 2019, to operate its fixed earth station in Hagerstown, MD to provide telemetry, tracking and command (TT&C) services for the Intelsat 904 (S2408) satellite during its drift from the 45.1° E.L. orbital location to the 29.5° W.L. orbital location in the 6173.7 MHz and 6176.3 MHz (Earth-to-space), and 3947.5 MHz, 3948.0 MHz, 3952.0 MHz and 3952.5 MHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20190726-01009 E E000296 Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 08/01/2019

Class of Station:

On August 1, 2019, Intelsat License LLC was granted special temporary authority to operate its fixed earth station in Hagerstown, MD to provide telemetry, tracking, and command (TT&C) services for the Galaxy 25 (S2154) satellite as it drifts from the 93.10° W.L. orbital location to the 32.9° E.L. orbital location in the 5926.5 MHz and 6423.5 MHz (Earth-to-space), and 4195.5 MHz and 4199.5 (space-to-Earth) frequency bands.

Points of Communication:

SURRENDER

SES-RWL-20100506-00558 E000297 WUSA-TV, Inc

License surrendered by letter filed on July 30, 2019.

SES-RWL-20111018-01232 E910636 KHOU-TV, Inc.

License surrendered by letter filed on July 30, 2019.

SES-RWL-20111121-01382 E3956 WBIR-TV, LLC

License surrendered by letter filed on July 30, 2019.

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