



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-01967

Wednesday June 21, 2017

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-20170331-00350 E E6425 Louisiana Media Company, LLC
Application for Consent to Assignment
Grant of Authority Date Effective: 06/20/2017

Current Licensee: Louisiana Media Company, LLC
FROM: LOUISIANA MEDIA COMPANY, LLC
TO: WVUE License Subsidiary, LLC

No. of Station(s) listed: 1

SES-ASG-20170331-00353 E E160027 Louisiana Media Company, LLC
Application for Consent to Assignment
Grant of Authority Date Effective: 06/20/2017

Current Licensee: Louisiana Media Company, LLC
FROM: LOUISIANA MEDIA COMPANY, LLC
TO: Raycom EAT LLC

No. of Station(s) listed: 1

SES-LIC-20170427-00483 E E170102 North Slope Borough
Application for Authority 06/16/2017 - 06/16/2032
Grant of Authority Date Effective: 06/16/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1234 Drill Site 12 Dr, North Slope Borough, Prudhoe Bay, AK
70 ° 12 ' 46.10 " N LAT. 148 ° 24 ' 21.40 " W LONG.

ANTENNA ID: 2.4M. 2.4 meters General Dynamics 1244
3700.0000 - 4200.0000 MHz 240KG7W Digital Data Carrier
3700.0000 - 4200.0000 MHz 680KG7W Digital Data Carrier

5925.0000 - 6369.0000 MHz	240KG7W	39.48 dBW	Digital Data Carrier
6382.0000 - 6425.0000 MHz	240KG7W	39.48 dBW	Digital Data Carrier
5925.0000 - 6369.0000 MHz	680KG7W	44.00 dBW	Digital Data Carrier
6382.0000 - 6425.0000 MHz	680KG7W	44.00 dBW	Digital Data Carrier

Points of Communication:

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

1 - PERMITTED LIST 3 - ()

SES-LIC-20170501-00487 E E170104 North Slope Borough
 Application for Authority 06/16/2017 - 06/16/2032
 Grant of Authority Date Effective: 06/16/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 902 Tikigluk Street, North Slope Borough, Atqasuk, AK
 70 ° 28 ' 56.20 " N LAT. 157 ° 25 ' 12.90 " W LONG.

ANTENNA ID: 2.4M. 2.4 meters General Dynamics 1244

3700.0000 - 4200.0000 MHz	240KG7W		Digital Data Carrier
3700.0000 - 4200.0000 MHz	680KG7W		Digital Data Carrier
5925.0000 - 6425.0000 MHz	240KG7W	47.18 dBW	Digital Data Carrier
5925.0000 - 6425.0000 MHz	680KG7W	51.70 dBW	Digital Data Carrier

Points of Communication:

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

1 - PERMITTED LIST 3 - ()

SES-LIC-20170502-00488 E E170105 North Slope Borough
 Application for Authority 06/16/2017 - 06/16/2032
 Grant of Authority Date Effective: 06/16/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 302 Pausanna Street, North Slope Borough, Nuiqsut, AK
 70 ° 12 ' 51.50 " N LAT. 150 ° 59 ' 49.80 " W LONG.

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

1 - PERMITTED LIST 3 - ()

SES-LIC-20170504-00500 E E170107 PSSI Global Services LLC

Application for Authority

06/13/2017 - 06/13/2032

Grant of Authority

Date Effective: 06/13/2017

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4415 Wagon Trail Ave, Clark, Las Vegas, NV

ANTENNA ID:	1	2.4 meters	AVL Technologies	2400K
14000.0000 - 14500.0000 MHz		36M0G7F	75.09 dBW	Compressed Digital Video and Audio
14000.0000 - 14500.0000 MHz		4M00G7F	65.55 dBW	Compressed Digital Video and Audio
11700.0000 - 12200.0000 MHz		36M0G7F		Compressed Digital Video and Audio
11700.0000 - 12200.0000 MHz		4M00G7F		Compressed Digital Video and Audio

Points of Communication:

1 - PERMITTED LIST 3 - ()

SES-MFS-20170319-00302 E E140087 Astronics AeroSat Corporation

Modification

03/13/2015 - 03/13/2030

Grant of Authority

Date Effective: 06/19/2017

Class of Station: Other

Nature of Service: Fixed Satellite Service, Other

SITE ID: AES1

LOCATION: Operate up to 1000 ESAA terminals 0.24 m U.S. and International

ANTENNA ID:	AES1	0.24 meters	Astronics AeroSat	HR6400
14000.0000 - 14500.0000 MHz		4M89G7D	43.69 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz		929KG7D	42.65 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz		2M43G7D	43.42 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz		1M22G7D	43.71 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz		4M86G7D	43.87 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz		9M72G7D	43.87 dBW	Digital Data Services

14000.0000 - 14500.0000 MHz	4M94G7D	42.90 dBW	Digital Data Services
11700.0000 - 12200.0000 MHz	5M69G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	25M0G7D		Digital Data Services
11450.0000 - 11700.0000 MHz	25M0G7D		Digital Data Services
12250.0000 - 12750.0000 MHz	25M0G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	10M9G7D		Digital Data Services
12250.0000 - 12750.0000 MHz	3M90G7D		Digital Data Services
11700.0000 - 12200.0000 MHz	10M9G7D		Digital Data Services
11700.0000 - 12200.0000 MHz	25M0G7D		Digital Data Services
14000.0000 - 14500.0000 MHz	7M20G7D	44.88 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	7M92G7D	43.99 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	8M00G7D	45.17 dBW	Digital Data Services
10700.0000 - 12750.0000 MHz	27M6G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	54M0G7D		Digital Data Services
10950.0000 - 11700.0000 MHz	54M0G7D		Digital Data Services
10950.0000 - 12200.0000 MHz	46M5G7D		Digital Data Services
10950.0000 - 12500.0000 MHz	54M0G7D		Digital Data Services
11450.0000 - 11700.0000 MHz	36M0G7D		Digital Data Services
11450.0000 - 12200.0000 MHz	54M0G7D		Digital Data Services
11450.0000 - 12750.0000 MHz	8M00G7D		Digital Data Services
11700.0000 - 12200.0000 MHz	28M6G7D		Digital Data Services
11700.0000 - 12200.0000 MHz	36M0G7D		Digital Data Services
11700.0000 - 12200.0000 MHz	8M00G7D		Digital Data Services
12200.0000 - 12750.0000 MHz	27M0G7D		Digital Data Services
12250.0000 - 12750.0000 MHz	27M0G7D		Digital Data Services
12500.0000 - 12750.0000 MHz	2M00G7D		Digital Data Services

12500.0000 - 12750.0000 MHz	36M0G7D		Digital Data Services
12500.0000 - 12750.0000 MHz	54M0G7D		Digital Data Services
12500.0000 - 12750.0000 MHz	5M50G7D		Digital Data Services
14000.0000 - 14500.0000 MHz	5M40G7D	44.93 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	6M00G7D	45.18 dBW	Digital Data Services
12500.0000 - 12750.0000 MHz	8M10G7D		Digital Data Services
14000.0000 - 14500.0000 MHz	4M80G7D	45.00 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	9M00G7D	45.14 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	48M6G7D		Digital Data Services
11450.0000 - 11700.0000 MHz	17M5G7D		Digital Data Services
11450.0000 - 12200.0000 MHz	48M6G7D		Digital Data Services
11450.0000 - 12200.0000 MHz	54M0G7D		Digital Data Services
12250.0000 - 12750.0000 MHz	54M0G7D		Digital Data Services
12500.0000 - 12600.0000 MHz	48M6G7D		Digital Data Services
12500.0000 - 12600.0000 MHz	54M0G7D		Digital Data Services

SITE ID: AES2
LOCATION: Operate up to 1000 ESAA terminals 0.29m U.S. and International

ANTENNA ID: AES2	0.29 meters	ASTRONICS AEROSAT	HR129
10700.0000 - 12750.0000 MHz	36M0G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	16M5G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	23M8G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	24M0G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	36M0G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	5M25G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	9M28G7D		Digital Data Services
10950.0000 - 11700.0000 MHz	18M0G7D		Digital Data Services

10950.0000 - 11700.0000 MHz	31M2G7D	Digital Data Services
10950.0000 - 11700.0000 MHz	54M0G7D	Digital Data Services
10950.0000 - 12200.0000 MHz	54M0G7D	Digital Data Services
10950.0000 - 12500.0000 MHz	54M0G7D	Digital Data Services
11450.0000 - 11700.0000 MHz	18M0G7D	Digital Data Services
11450.0000 - 11700.0000 MHz	23M8G7D	Digital Data Services
11450.0000 - 11700.0000 MHz	24M0G7D	Digital Data Services
11450.0000 - 11700.0000 MHz	31M3G7D	Digital Data Services
11450.0000 - 11700.0000 MHz	36M0G7D	Digital Data Services
11450.0000 - 11700.0000 MHz	5M25G7D	Digital Data Services
11450.0000 - 11700.0000 MHz	9M28G7D	Digital Data Services
11450.0000 - 12200.0000 MHz	24M0G7D	Digital Data Services
11450.0000 - 12750.0000 MHz	24M0G7D	Digital Data Services
11700.0000 - 12200.0000 MHz	36M0G7D	Digital Data Services
12200.0000 - 12750.0000 MHz	18M0G7D	Digital Data Services
12200.0000 - 12750.0000 MHz	23M8G7D	Digital Data Services
12200.0000 - 12750.0000 MHz	27M0G7D	Digital Data Services
12200.0000 - 12750.0000 MHz	5M25G7D	Digital Data Services
12200.0000 - 12750.0000 MHz	9M28G7D	Digital Data Services
12250.0000 - 12750.0000 MHz	16M0G7D	Digital Data Services
12250.0000 - 12750.0000 MHz	16M5G7D	Digital Data Services
12250.0000 - 12750.0000 MHz	36M0G7D	Digital Data Services
12500.0000 - 12750.0000 MHz	20M0G7D	Digital Data Services
12500.0000 - 12750.0000 MHz	36M0G7D	Digital Data Services
12500.0000 - 12750.0000 MHz	36M0G7D	Digital Data Services
12500.0000 - 12750.0000 MHz	54M0G7D	Digital Data Services

14000.0000 - 14500.0000 MHz	4M92G7D	36.81 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	8M00G7D	41.49 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	9M00G7D	41.49 dBW	Digital Data Services
10950.0000 - 11200.0000 MHz	2M94G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	48M6G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	54M0G7D		Digital Data Services
11450.0000 - 11700.0000 MHz	17M5G7D		Digital Data Services
11450.0000 - 12200.0000 MHz	2M94G7D		Digital Data Services
11450.0000 - 12200.0000 MHz	48M6G7D		Digital Data Services
12250.0000 - 12750.0000 MHz	54M0G7D		Digital Data Services
12500.0000 - 12600.0000 MHz	48M6G7D		Digital Data Services
12500.0000 - 12600.0000 MHz	54M0G7D		Digital Data Services

Points of Communication:

- AES1 - ANIK G1 - (107.3 W.L.)
- AES1 - APSTAR 6 - (226 W.L.)
- AES1 - Apstar 7 - (76.5 E.L.)
- AES1 - AsiaSat 5 - (100.5E)
- AES1 - AsiaSat 7 - (105.5 E.L.)
- AES1 - E117 WA (S2873) - (116.8 W.L.)
- AES1 - ESTRELA DO SUL 2 - (63 W.L.)
- AES1 - Eutelsat 10A (W2A) - (10.0 E.L.)
- AES1 - EUTELSAT 172A(S2610) - (172 E. L.)
- AES1 - Eutelsat 70B - (70.5 E.L.)
- AES1 - EUTELSAT115WB(S2938) - (114.9 W.L.)
- AES1 - GALAXY 16 (S2687) - (99 W.L.)
- AES1 - GALAXY 3C (S2381) - (95.05 W.L.)
- AES1 - INTELSAT 14 (S2785) - (45.0 W.L.)

AES1 - INTELSAT 15 (S2789) - (85.15 E.L.)

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

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

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

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

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

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

AES1 - NSS-6 - (95 E.L.)

AES1 - PERMITTED LIST 3 - ()

AES1 - SUPERBIRD C2 (S2639) - (144 E.L.)

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

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

AES1 - Yamal 300K - (183 E.L.)

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

AES2 - ANIK G1 - (107.3 W.L.)

AES2 - APSTAR 6 - (226 W.L.)

AES2 - Apstar 7 - (76.5 E.L.)

AES2 - AsiaSat 5 - (100.5E)

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

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

AES2 - Eutelsat 10A (W2A) - (10.0 E.L.)

AES2 - EUTELSAT 172A(S2610) - (172 E. L.)

AES2 - Eutelsat 70B - (70.5 E.L.)

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

AES2 - GALAXY 16 (S2687) - (99 W.L.)

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

AES2 - INTELSAT 15 (S2789) - (85.15 E.L.)

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

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

AES2 - JCSAT 5A - (132 E.L.)

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

AES2 - NSS-6 - (95 E.L.)

AES2 - PERMITTED LIST 3 - ()

AES2 - SUPERBIRD C2 (S2639) - (144 E.L.)

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

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

AES2 - Yamal 300K - (183 E.L.)

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

SES-MOD-20170414-00524 E E010242 EchoStar Operating L.L.C.

Application for Modification

11/02/2011 - 11/02/2026

Grant of Authority

Date Effective: 06/20/2017

Class of Station: Fixed Earth Stations

Nature of Service: Other

SITE ID: 1

LOCATION: 801 NORTH AMERICAN SKY BLVD., MARICOPA, GILBERT, AZ

33 ° 21 ' 59.90 " N LAT.

111 ° 48 ' 51.00 " W LONG.

ANTENNA ID:	1	9 meters	VERTEX	9M
	17308.2500 - 17309.7500 MHz	1M50G2D	73.70 dBW	TELEMETRY BEACON (TT&C)
	17300.0000 - 17800.0000 MHz	24M0M1F	85.78 dBW	DIGITAL TV
	12698.3500 - 12698.6500 MHz	300KG2D	0.00 dBW	TELEMETRY BEACON (TT&C)
	12202.3500 - 12202.6500 MHz	300KG2D	0.00 dBW	TELEMETRY BEACON (TT&C)
	12200.3500 - 12200.6500 MHz	300KG2D	0.00 dBW	TELEMETRY BEACON (TT&C)
	12200.0000 - 12700.0000 MHz	24M0M1F	0.00 dBW	DIGITAL TV

Points of Communication:

1 - ECHOSTAR/DISH - ()

SES-MOD-20170414-00525 E E150080 HNS License Sub, LLC

Application for Modification

12/02/2015 - 12/02/2030

Grant of Authority

Date Effective: 06/20/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1003 East State Farm Road, Lincoln, North Platte, NE
41 ° 5 ' 26.85 " N LAT.

100 ° 45 ' 11.32 " W LONG.

ANTENNA ID:	1	8.1 meters	ASC Signal	Ka 8.1m	
29250.0000 - 30000.0000 MHz			250MG7D	88.30 dBW	M-ary PSK Outroute
29250.0000 - 30000.0000 MHz			89M8G7W	88.30 dBW	M-ary PSK Outroute
29250.0000 - 30000.0000 MHz			100KG7W	58.80 dBW	M-ary PSK Outroute
27850.0000 - 29100.0000 MHz			89M8G7W	88.30 dBW	M-ary PSK Outroute
27850.0000 - 29100.0000 MHz			250MG7D	88.30 dBW	M-ary PSK Outroute
27850.0000 - 29100.0000 MHz			100KG7W	58.80 dBW	M-ary PSK Outroute
19700.0000 - 20200.0000 MHz			250MG7W	0.00 dBW	M-ary PSK Inroute
19700.0000 - 20200.0000 MHz			100KG7W	0.00 dBW	M-ary PSK Inroute
18300.0000 - 19300.0000 MHz			250MG7W	0.00 dBW	M-ary PSK Inroute
18300.0000 - 19300.0000 MHz			100KG7W	0.00 dBW	M-ary PSK Inroute

Points of Communication:

1 - JUPITER 97 W(S2834) - (97.1 W. L.)

SES-MOD-20170414-00526 E E990170 HNS License Sub, LLC

Application for Modification

07/27/2009 - 07/27/2024

Grant of Authority

Date Effective: 06/20/2017

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

SITE ID: HUB-A

LOCATION: 24000 NORTHWESTERN HIGHWAY (5.6-METER), OAKLAND, SOUTHFIELD, MI
42 ° 28 ' 0.50 " N LAT.

83 ° 13 ' 53.00 " W LONG.

ANTENNA ID:	HUB-A	5.6 meters	ANDREW CORPORATION	ES56-1	
14000.0000 - 14500.0000 MHz			1M60G7D	59.20 dBW	BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER
14000.0000 - 14500.0000 MHz			400KG7D	53.20 dBW	BPSK, DATA, 256 KSPS, OUTROUTE CARRIER

14000.0000 - 14500.0000 MHz	6M00G7D	64.20 dBW	BPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	6M00G7D	67.20 dBW	QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	12M0G7D	67.20 dBW	BPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	12M0G7D	70.20 dBW	QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	24M0G7D	70.20 dBW	BPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	24M0G7D	73.20 dBW	QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	18M0F9W	70.10 dBW	ANALOG VIDEO WITH AUDIO IN HALF TRANSPONDER
14000.0000 - 14500.0000 MHz	36M0F9W	73.10 dBW	ANALOG VIDEO WITH AUDIO IN FULL TRANSPONDER
11700.0000 - 12200.0000 MHz	800KG7D		BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	200KG7D		BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER

SITE ID: HUB-B
LOCATION: 24000 NORTHWESTERN HIGHWAY (4.6-METER), OAKLAND, SOUTHFIELD, MI
42 ° 28 ' 0.60 " N LAT. 83 ° 13 ' 53.50 " W LONG.

ANTENNA ID: HUB-B 4.6 meters ANDREW CORPORATION ESA46MPJ-1

14000.0000 - 14500.0000 MHz	400KG7D	53.20 dBW	BPSK, DATA, 256 KSPS, OUTROUTE CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	59.20 dBW	BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER
14000.0000 - 14500.0000 MHz	6M00G7D	64.20 dBW	BPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	6M00G7D	67.20 dBW	QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER

14000.0000 - 14500.0000 MHz	12M0G7D	67.20 dBW	BPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	12M0G7D	70.20 dBW	QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	24M0G7D	70.20 dBW	BPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	24M0G7D	73.20 dBW	QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	36M0F9W	73.10 dBW	ANALOG VIDEO WITH AUDIO IN FULL TRANSPONDER
14000.0000 - 14500.0000 MHz	18M0F9W	70.10 dBW	ANALOG VIDEO WITH AUDIO IN HALF TRANSPONDER
11700.0000 - 12200.0000 MHz	800KG7D		BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	200KG7D		BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER

SITE ID: HUB-C
LOCATION: 24000 NORTHWESTERN HIGHWAY (7.6-METER), OAKLAND, SOUTHFIELD, MI
42 ° 28 ' 1.00 " N LAT. 83 ° 13 ' 53.20 " W LONG.

ANTENNA ID:	HUB-C	7.6 meters	ANDREW CORPORARION	ES76K-1
14000.0000 - 14500.0000 MHz	400KG7D	58.20 dBW	BPSK, DATA, 256 KSPS, OUTROUTE BROADCAST CARRIER	
14000.0000 - 14500.0000 MHz	1M60G7D	64.20 dBW	BPSK, DATA, 1024, KSPS, OUTROUTE BROADCAST CARRIER	
14000.0000 - 14500.0000 MHz	6M00G7D	69.20 dBW	BPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER	
14000.0000 - 14500.0000 MHz	6M00G7D	72.20 dBW	QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER	
14000.0000 - 14500.0000 MHz	12M0G7D	72.20 dBW	BPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER	
14000.0000 - 14500.0000 MHz	12M0G7D	75.20 dBW	QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER	

14000.0000 - 14500.0000 MHz	24M0G7D	75.20 dBW	BPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	24M0G7D	78.20 dBW	QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	36M0F9W	78.10 dBW	ANALOG VIDEO WITH AUDIO IN FULL TRANSPONDER
14000.0000 - 14500.0000 MHz	18M0F9W	75.10 dBW	ANALOG VIDEO WITH AUDIO IN HALF TRANSPONDER
11700.0000 - 12200.0000 MHz	800KG7D		BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	200KG7D		BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER

SITE ID: REMOTE 1
LOCATION: (1.8m. VSAT), 5,000 UNITS, CONUS, AK, HI,PR, VI

ANTENNA ID:	REMOTE 1A	1.8 meters	PRODELIN CORPORATION	1184
14000.0000 - 14500.0000 MHz	800KG7D	49.70 dBW	BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER	
14000.0000 - 14500.0000 MHz	200KG7D	49.70 dBW	BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER	
14000.0000 - 14500.0000 MHz	400KG7D	49.70 dBW	BPSK OR MSK, DATA, 256 KSPS INROUTE CARRIER	
11700.0000 - 12200.0000 MHz	400KG7D		BPSK, DATA, 256 KSPS, OUTROUTE CARRIER	
11700.0000 - 12200.0000 MHz	1M60G7D		BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER	
11700.0000 - 12200.0000 MHz	6M00G7D		BPSK, DATA, 5 MSPS MULTIMEDIA BROADCAST CARRIER	
11700.0000 - 12200.0000 MHz	6M00G7D		QPSK, DATA, 5 MSPS MULTIMEDIA BROADCAST CARRIER	
11700.0000 - 12200.0000 MHz	12M0G7D		BPSK, DATA, 10 MSPS MULTIMEDIA BROADCAST CARRIER	
11700.0000 - 12200.0000 MHz	12M0G7D		QPSK, DATA, 10 MSPS MULTIMEDIA BROADCAST CARRIER	
11700.0000 - 12200.0000 MHz	24M0G7D		BPSK, DATA, 20 MSPS MULTIMEDIA BROADCAST CARRIER	

11700.0000 - 12200.0000 MHz	24M0G7D	QPSK, DATA, 20 MSPS MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	18M0F9W	ANALOG VIDEO WITH AUDIO IN HALF TRANSPONDER
11700.0000 - 12200.0000 MHz	36M0F9W	ANALOG VIDEO WITH AUDIO IN FULL TRANSPONDER

SITE ID: REMOTE 2
LOCATION: (1.2m VSAT), 20,000 UNITS, CONUS, AK, HI,PR,VI

ANTENNA ID:	REMOTE 2A	1.2 meters	PRODELIN CORPORATION	1134
14000.0000 - 14500.0000 MHz	800KG7D	46.10 dBW	BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER	
14000.0000 - 14500.0000 MHz	200KG7D	46.10 dBW	BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER	
14000.0000 - 14500.0000 MHz	400KG7D	46.10 dBW	BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER	
11700.0000 - 12200.0000 MHz	400KG7D	BPSK, DATA, 256 KSPS, OUTROUTE CARRIER		
11700.0000 - 12200.0000 MHz	1M60G7D	BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER		
11700.0000 - 12200.0000 MHz	6M00G7D	BPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER		
11700.0000 - 12200.0000 MHz	6M00G7D	QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER		
11700.0000 - 12200.0000 MHz	12M0G7D	BPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER		
11700.0000 - 12200.0000 MHz	12M0G7D	QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER		
11700.0000 - 12200.0000 MHz	24M0G7D	BPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER		
11700.0000 - 12200.0000 MHz	24M0G7D	QPSK, DATA, 20 MSPS MULTIMEDIA BROADCAST CARRIER		
11700.0000 - 12200.0000 MHz	18M0F9W	ANALOG VIDEO WITH AUDIO IN HALF TRANSPONDER		
11700.0000 - 12200.0000 MHz	36M0F9W	ANALOG VIDEO WITH AUDIO IN FULL TRANSPONDER		

SITE ID: REMOTE 3
LOCATION: (2.4m VSAT), 5,000 UNITS, CONUS, AK, HI,PR,VI

ANTENNA ID:	REMOTE 3A	2.4 meters	PRODELIN CORPORATION	1244
14000.0000 - 14500.0000 MHz		200KG7D	52.20 dBW	BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
14000.0000 - 14500.0000 MHz		400KG7D	52.20 dBW	BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
14000.0000 - 14500.0000 MHz		800KG7D	52.20 dBW	BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz		400KG7D		BPSK, DATA, 256 KSPS, OUTROUTE CARRIER
11700.0000 - 12200.0000 MHz		1M60G7D		BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER
11700.0000 - 12200.0000 MHz		6M00G7D		BPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz		6M00G7D		QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz		12M0G7D		BPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz		12M0G7D		QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz		24M0G7D		BPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz		24M0G7D		QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz		18M0F9W		ANALOG VIDEO WITH AUDIO IN HALF TRANSPONDER
11700.0000 - 12200.0000 MHz		36M0F9W		ANALOG VIDEO WITH AUDIO IN FULL TRANSPONDER

SITE ID: REMOTE 4
LOCATION: (1.0m VSAT), 50,000 UNITS, CONUS, AK, HI,PR,VI

ANTENNA ID:	REMOTE 4A	1 meters	PRODELIN CORPORATION	1102
14000.0000 - 14500.0000 MHz		200KG7D	44.00 dBW	BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER

14000.0000 - 14500.0000 MHz	400KG7D	44.00 dBW	BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	44.00 dBW	BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		BPSK, DATA, 256 KSPS, OUTROUTE CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D		BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D		BPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D		QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D		BPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D		QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D		BPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	18M0F9W		ANALOG VIDEO WITH AUDIO IN HALF TRANSPONDER
11700.0000 - 12200.0000 MHz	36M0F9W		ANALOG VIDEO WITH AUDIO IN FULL TRANSPONDER

SITE ID: HUB-D
LOCATION: 2400 NORTHWESTERN HIGHWAY, OAKLAND, SOUTHFIELD, MI

ANTENNA ID:	HUB-D	2.4 meters	ANDREW CORPORATION	ESA2.4VSMKU
14000.0000 - 14500.0000 MHz	36M0G7D	73.97 dBW	OUTROUTE, PSK, 30 MSPS	
14000.0000 - 14500.0000 MHz	1M60G7D	61.22 dBW	OUTROUTE, PSK, 1024 KSPS	
11700.0000 - 12200.0000 MHz	200KG7D		INBOUND, PSK, 128, KSPS	
11700.0000 - 12200.0000 MHz	800KG7D		INBOUND, PSK, 512 KSPS	

Points of Communication:

HUB-A - PERMITTED LIST2 - ()

HUB-B - PERMITTED LIST2 - ()

HUB-C - PERMITTED LIST2 - ()

HUB-D - PERMITTED LIST2 - ()

REMOTE 1 - PERMITTED LIST2 - ()

REMOTE 2 - PERMITTED LIST2 - ()

REMOTE 3 - PERMITTED LIST2 - ()

REMOTE 4 - PERMITTED LIST2 - ()

SES-MOD-20170414-00529 E E8454 HNS License Sub, LLC

Application for Modification

03/20/2007 - 03/20/2022

Grant of Authority

Date Effective: 06/20/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: WRIGHT PATTERSON AFB, GREEN, DAYTON, OH

39 ° 47 ' 1.70 " N LAT.

84 ° 4 ' 51.20 " W LONG.

ANTENNA ID: 1 4.6 meters ANDREWS ES46P

14000.0000 - 14500.0000 MHz 4M00G2W 69.80 dBW QPSK, MCPC, COMPRESSED DIGITAL VIDEO

11700.0000 - 12200.0000 MHz 4M00G2W 0.00 dBW QPSK, MCPC, COMPRESSED DIGITAL VIDEO

Points of Communication:

1 - PERMITTED LIST2 - ()

SES-MOD-20170414-00530 E E060383 HNS License Sub, LLC

Application for Modification

03/06/2007 - 03/06/2022

Grant of Authority

Date Effective: 06/20/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: FILLMORE STATION 2

LOCATION: 33 EAST TELEGRAPH ROAD, VENTURA, FILLMORE, CA

34 ° 24 ' 16.70 " N LAT.

118 ° 53 ' 39.20 " W LONG.

ANTENNA ID: 2 9.2 meters GDSATCOM TECHNOLOGIES 9.2 METER KA-BAND

28351.0000 - 28353.0000 MHz 1M00F2D 69.70 dBW FM CMD & RANGING

20199.5000 - 20199.5000 MHz NON BEACON

19700.5000 - 19702.5000 MHz	200KG7W	TELEMETRY AND RANGING
19700.5000 - 19702.5000 MHz	300KG7W	TELEMETRY AND RANGING
19700.5000 - 19702.5000 MHz	70K0G7W	TELEMETRY AND RANGING

SITE ID: Fillmore Station
LOCATION: 33 East Telegraph Road, Ventura, Fillmore, CA
34 ° 24 ' 16.30 " N LAT. 118 ° 53 ' 38.30 " W LONG.

ANTENNA ID: 1	9 meters	Vertex/General Dynamics	9M THX/Ka
29500.0000 - 29535.0000 MHz	N0N	56.30 dBW	Beacon
29500.0000 - 29515.0000 MHz	600KF9D	56.30 dBW	Command and Ranging Carriers
29500.0000 - 29515.0000 MHz	944KF9D	56.30 dBW	Command and Ranging Carriers
29500.0000 - 29515.0000 MHz	1M30F9D	56.30 dBW	Command and Ranging Carriers
19700.0000 - 19706.0000 MHz	106KG7D	0.00 dBW	Telemetry and Ranging

Points of Communication:

- Fillmore Station - IA-8 - (89 W.L.)
- Fillmore Station - SPACEWAY 3 - (95 W.L.)
- FILLMORE STATION 2 - AMC-15 - (105 W.L.)
- FILLMORE STATION 2 - AMC-16 - (85 W.L.)
- FILLMORE STATION 2 - EchostarXVII(S2753) - (107.1 W.L.)
- FILLMORE STATION 2 - GALAXY 28 (S2160) - (89.0 W.L.)

SES-MOD-20170418-00413 E E150088 HNS License Sub, LLC
Application for Modification 12/02/2015 - 12/02/2030
Grant of Authority Date Effective: 06/14/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 12270 World Trade Drive #100, San Diego, San Diego, CA
32 ° 59 ' 21.80 " N LAT. 117 ° 4 ' 22.00 " W LONG.

ANTENNA ID: 1	5.6 meters	ASC Signal	Ka 5.6m
29250.0000 - 30000.0000 MHz	56M1G7W	83.00 dBW	M-ary PSK Outroute
29250.0000 - 30000.0000 MHz	100KG7W	55.50 dBW	M-ary PSK Outroute

29250.0000 - 30000.0000 MHz	250MG7W	83.00 dBW	M-ary PSK Outroute
27850.0000 - 29100.0000 MHz	56M1G7W	83.00 dBW	M-ary PSK Outroute
27850.0000 - 29100.0000 MHz	250MG7W	83.00 dBW	M-ary PSK Outroute
27850.0000 - 29100.0000 MHz	100KG7W	55.50 dBW	M-ary PSK Outroute
19700.0000 - 20200.0000 MHz	250MG7W	0.00 dBW	M-ary PSK Inroute
19700.0000 - 20200.0000 MHz	100KG7W	0.00 dBW	M-ary PSK Inroute
18300.0000 - 19300.0000 MHz	100KG7W	0.00 dBW	M-ary PSK Inroute
18300.0000 - 18800.0000 MHz	250MG7W	0.00 dBW	M-ary PSK Inroute

Points of Communication:

1 - JUPITER 97 W(S2834) - (97.1 W. L.)

SES-MOD-20170427-00473 E E050331 SpeedCast Communications Inc
Application for Modification 01/10/2006 - 01/10/2021
Grant of Authority Date Effective: 06/14/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Boomvang
LOCATION: East Breaks 643 (Boomvang) Oil Platform in Gulf of Mexico, Gulf of Mexico, Gulf of Mexico, TX
27 ° 21 ' 12.80 " N LAT. 94 ° 37 ' 31.10 " W LONG.

ANTENNA ID: A1	2.4 meters	Sea Tel	9797
5925.0000 - 6425.0000 MHz	4M47G7W	50.05 dBW	Digital
5925.0000 - 6425.0000 MHz	341KG7W	35.30 dBW	Digital Voice and Data
5925.0000 - 6425.0000 MHz	683KG7W	40.20 dBW	DIGITAL
3700.0000 - 4200.0000 MHz	4M47G7W		Digital
3700.0000 - 4200.0000 MHz	341KG7W		Digital Voice and Data
3700.0000 - 4200.0000 MHz	683KG7W		DIGITAL
5925.0000 - 6425.0000 MHz	9M38G7W	59.50 dBW	Digital video, audio and data.
3700.0000 - 4200.0000 MHz	9M38G7W		Digital Voice and Data

Points of Communication:

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

Boomvang - Eutelsat113WA(S2695) - (113 W.L.)

Boomvang - PERMITTED LIST 3 - ()

SES-MOD-20170427-00474 E E030159 SpeedCast Communications Inc

Application for Modification

01/13/2004 - 01/13/2019

Grant of Authority

Date Effective: 06/14/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Gunnison Spar

LOCATION: GULF OF MEXICO, GULF OF MEXICO, GULF OF MEXICO, TX

27 ° 18 ' 19.00 " N LAT.

93 ° 32 ' 20.00 " W LONG.

ANTENNA ID:	Seatel9797	2.4 meters	Seatel	9797
5925.0000 - 6425.0000 MHz		1M00G1W	48.97 dBW	Digital Data, QPSK
5925.0000 - 6425.0000 MHz		4M47G7W	50.05 dBW	DIGITAL
5925.0000 - 6425.0000 MHz		640KG7W	39.92 dBW	DIGITAL
3700.0000 - 4200.0000 MHz		1M00G1W		Digital Data, QPSK
3700.0000 - 4200.0000 MHz		4M47G7W		DIGITAL
3700.0000 - 4200.0000 MHz		640KG7W		DIGITAL
5925.0000 - 6425.0000 MHz		9M38G7W	59.50 dBW	Digital video, audio and data
3700.0000 - 4200.0000 MHz		9M38G7W		Digital video, audio and data

Points of Communication:

Gunnison Spar - AMC-9 - (85 W.L.)

Gunnison Spar - Eutelsat113WA(S2695) - (113 W.L.)

Gunnison Spar - PERMITTED LIST 3 - ()

SES-MOD-20170427-00475 E E050333 SpeedCast Communications Inc

Application for Modification

01/10/2006 - 01/10/2021

Grant of Authority

Date Effective: 06/14/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Nansen
 LOCATION: East Breaks 602 (Nansen) Oil Platform Gulf of Mexico, Gulf of Mexico, Gulf of Mexico, TX
 27 ° 22 ' 1.70 " N LAT. 94 ° 28 ' 3.60 " W LONG.

ANTENNA ID:	A1	2.4 meters	Sea Tel	9797	
5925.0000 - 6425.0000 MHz			450KG7W	35.30 dBW	Digital Voice and Data
5925.0000 - 6425.0000 MHz			341KG7W	35.30 dBW	Digital Voice and Data
5925.0000 - 6425.0000 MHz			1M80G7W	50.80 dBW	Digital
5925.0000 - 6425.0000 MHz			619KG7W	39.77 dBW	DIGITAL
3700.0000 - 4200.0000 MHz			450KG7W		Digital Voice and Data
3700.0000 - 4200.0000 MHz			341KG7W		Digital Voice and Data
3700.0000 - 4200.0000 MHz			1M80G7W		Digital
3700.0000 - 4200.0000 MHz			619KG7W		DIGITAL
5925.0000 - 6425.0000 MHz			9M38G7W	59.50 dBW	Digital video, audio and data
3700.0000 - 4200.0000 MHz			9M38G7W		Digital video, audio and data

Points of Communication:

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

Nansen - PERMITTED LIST 3 - ()

SES-MOD-20170427-00482 E E050206 SpeedCast Communications Inc
 Application for Modification 08/23/2005 - 08/23/2020
 Grant of Authority Date Effective: 06/14/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Constitution Hub
 LOCATION: Gulf Of Mexico, Gulf of Mexico, Gulf of Mexico, TX
 27 ° 17 ' 31.90 " N LAT. 90 ° 58 ' 4.80 " W LONG.

ANTENNA ID:	Seatel9797	2.4 meters	Seatel	9797	
5925.0000 - 6425.0000 MHz			2M05G7W	43.44 dBW	Digital Data Carrier
5925.0000 - 6425.0000 MHz			100KG7W	37.47 dBW	Digital Data Carrier
5925.0000 - 6425.0000 MHz			4M47G7W	50.05 dBW	Digital

5925.0000 - 6425.0000 MHz	571KG7W	39.13 dBW	DIGITAL
3700.0000 - 4200.0000 MHz	2M05G7W		Digital Data Carrier
3700.0000 - 4200.0000 MHz	100KG7W		Digital Data Carrier
3700.0000 - 4200.0000 MHz	4M47G7W		Digital
3700.0000 - 4200.0000 MHz	571KG7W		DIGITAL
5925.0000 - 6425.0000 MHz	9M38G7W	59.50 dBW	Digital video, audio and data
3700.0000 - 4200.0000 MHz	9M38G7W		Digital video, audio and data

Points of Communication:

Constitution Hub - E117 WA (S2873) - (116.8 W.L.)

Constitution Hub - Eutelsat113WA(S2695) - (113 W.L.)

Constitution Hub - PERMITTED LIST 3 - ()

SES-MOD-20170504-00498 E E140037 Production & Satellite Services, Inc.
 Application for Modification
 Grant of Authority

05/07/2014 - 05/07/2029
 Date Effective: 06/20/2017

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 4415 Wagon Trail Ave, Clark, Las Vegas, NV

ANTENNA ID: 1	2.4 meters	ANDREW CORPORATION	2400c
5925.0000 - 6425.0000 MHz	36M0G7F	66.94 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
5925.0000 - 6425.0000 MHz	4M00G7F	58.99 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL TV WITH ASSOCIATED AUDIO
3700.0000 - 4200.0000 MHz	4M00G7F		DIGITAL TV WITH ASSOCIATED AUDIO

Points of Communication:

1 - PERMITTED LIST2 - ()

SES-RWL-20170609-00637 E E4490 Alascom, Inc.

Renewal

07/30/2017 - 07/30/2032

Grant of Authority

Date Effective: 06/13/2017

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: KALSKAG, AK

61 ° 32 ' 20.00 " N LAT.

160 ° 19 ' 34.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	MODEL ESA5-46A
5925.0000 - 6425.0000 MHz			30K0F3W	47.30 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 3 - ()

SES-RWL-20170609-00638 E KR71 Alascom, Inc.

Renewal

07/09/2017 - 07/09/2032

Grant of Authority

Date Effective: 06/13/2017

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: POINT LAY, AK
69 ° 44 ' 30.00 " N LAT.

163 ° 0 ' 33.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORP.	ESA45-46
	5925.0000 - 6425.0000 MHz		39K0F3E	51.10 dBW
	5925.0000 - 6425.0000 MHz		1M77F1D	66.90 dBW
	5925.0000 - 6425.0000 MHz		500KG7W	67.70 dBW
	5925.0000 - 6425.0000 MHz		287KG7W	66.80 dBW
	5925.0000 - 6425.0000 MHz		24K0G1D	52.40 dBW
	5925.0000 - 6425.0000 MHz		86K4G1D	49.60 dBW
	5925.0000 - 6425.0000 MHz		75K6G1D	54.70 dBW
	5925.0000 - 6425.0000 MHz		53K3G1W	55.30 dBW
	5925.0000 - 6425.0000 MHz		26K7G1W	54.00 dBW
	5925.0000 - 6425.0000 MHz		13K3G1E	39.60 dBW
	3700.0000 - 4200.0000 MHz		39K0F3E	
	3700.0000 - 4200.0000 MHz		1M77F1D	
	3700.0000 - 4200.0000 MHz		25M0F3F	
	3700.0000 - 4200.0000 MHz		500KG7W	
	3700.0000 - 4200.0000 MHz		287KG7W	
	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 LIST2 - ()

SES-RWL-20170609-00639 E E4489 Alascom, Inc.
Renewal 07/30/2017 - 07/30/2032
Grant of Authority Date Effective: 06/13/2017

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: NSN SOUTHERN ST., STEBBINS, AK
63 ° 31 ' 2.60 " N LAT. 162 ° 17 ' 17.80 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA5-46
5925.0000 - 6425.0000 MHz		15M9G7W	57.16 dBW	VARIOUS PSK & QAM - VOICE AND DATA
5925.0000 - 6425.0000 MHz		29K0G7W	52.10 dBW	VARIOUS PSK & QAM - VOICE AND DATA
3700.0000 - 4200.0000 MHz		15M9G7W	0.00 dBW	VARIOUS PSK & QAM - VOICE AND DATA
3700.0000 - 4200.0000 MHz		29K0G7W		VARIOUS PSK & QAM - VOICE AND DATA

Points of Communication:

1 - PERMITTED LIST 3 - ()

SES-RWL-20170614-00649 E KR73 Alascom, Inc.
Renewal 07/16/2017 - 07/16/2032
Grant of Authority Date Effective: 06/15/2017

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: WAINWRIGHT, AK
70 ° 38 ' 14.00 " N LAT. 160 ° 1 ' 29.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	MODEL ESA5-46A
5925.0000 - 6425.0000 MHz		30F9	49.90 dBW	
5925.0000 - 6425.0000 MHz		445F9Y	49.60 dBW	
5925.0000 - 6425.0000 MHz		390KG7W	65.50 dBW	
5925.0000 - 6425.0000 MHz		24K0G1D	40.60 dBW	
5925.0000 - 6425.0000 MHz		86K4G1D	54.80 dBW	

SES-STA-20170515-00568 E E7541 Lockheed Martin Corporation
Special Temporary Authority
Grant of Authority

Date Effective: 06/13/2017

Class of Station:

On June 13, 2017, Lockheed Martin Corporation was granted special temporary authority for 30 days, beginning June 13, 2017, to operate its fixed earth station in Carpentersville, NJ to provide telemetry, tracking and command (TT&C) services during the launch and early orbit phases (LEOP) of the BulgariaSat 1 satellite which will operate at the 1.9° E.L. orbital location. TT&C services will be in the 17302.1-17303.1 MHz and 18096.9-18097.9 MHz (Earth-to-space), and 11705.5 MHz and 12496.5 MHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20170608-00635 E E010074 Orbital Media Networks, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 06/09/2017

Class of Station:

On June 16, 2017, Orbital Media Networks, Inc. was granted special temporary authority for 60 days, beginning June 7, 2017, to operate a Suman 3.7-meter fixed earth station antenna in Englewood, CO with the AMC-18 satellite at the 104.95° W.L. orbital location in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20170619-00660 E E120106 AC BidCo LLC
Special Temporary Authority
Grant of Authority

Date Effective: 06/20/2017

Class of Station:

On June 20, 2017, AC BidCo LLC was granted special temporary authority for 60 days, beginning June 20, 2017, to operate up to 100 AeroSat model HR6400 earth stations aboard aircraft (ESAAs) terminals and up to 100 ThinKom, model 2KuAntenna ESAAs terminals with the AMC-6 (S2347) satellite at the 85° W.L. orbital location in the 14-14.5 GHz (Earth-to-space) and 11.45-11.7 GHz and 11.7-12.2 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES-T/C-20170612-00641 E E100111 RadiOhio Incorporated
Application for Consent to Transfer of Control
Grant of Authority

Date Effective: 06/20/2017

Current Licensee: RadiOhio Incorporated

FROM: ROI HOLDINGS, LLC

TO: ROI Holdings, LLC

No. of Station(s) listed: 2

SURRENDER

SES-LIC-20090430-00537 E090081 CNN America, Inc.

License surrendered by letter filed on June 20, 2017.

SES-LIC-20110119-00039 E110004 DIRECTV Enterprises, LLC

License surrendered by letter filed on June 13, 2017.

SES-LIC-20130627-00545 E130084 CNN America, Inc.

License surrendered by letter filed on June 20, 2017.

SES-LIC-20130627-00546 E130019 CNN America, Inc.

SURRENDER

License surrendered by letter filed on June 20, 2017.

SES-LIC-20141217-00902 E140127 CNN America, Inc.

License surrendered by letter filed on June 20, 2017.

SES-MOD-20150116-00018 E080044 CNN America, Inc.

License surrendered by letter filed on June 20, 2017.

SES-MOD-20150303-00109 E130020 CNN America, Inc.

License surrendered by letter filed on June 20, 2017.

SES-RWL-20050203-00130 KA58 TURNER BROADCASTING SYSTEM INC

License surrendered by letter filed on June 20, 2017.

SES-RWL-20070914-01281 E970418 BFI Licenses, LLC

License surrendered by letter filed on June 19, 2017.

SES-RWL-20080319-00329 E980181 TURNER BROADCASTING SYSTEM INC

License surrendered by letter filed on June 20, 2017.

SES-RWL-20090211-00163 E881160 BFI Licenses, LLC

License surrendered by letter filed on June 19, 2017.

SES-RWL-20090723-00909 E990282 TURNER BROADCASTING SYSTEM INC

License surrendered by letter filed on June 20, 2017.

SES-RWL-20100910-01157 E000500 BFI Licenses, LLC

License surrendered by letter filed on June 19, 2017.

SES-RWL-20110303-00235 E010078 CNN America, Inc.

License surrendered by letter filed on June 20, 2017.

SES-RWL-20120322-00291 E020024 BFI Licenses, LLC

License surrendered by letter filed on June 19, 2017.

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