



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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Report No. SES-02009

Wednesday November 15, 2017

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

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

**SES-LIC-20170928-01065** E E170175 Comprehensive Nuclear Test Ban Treaty Organisation (CTBTO)

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: c/o University of Hawaii at Manoa 73-4460 Queen Kaahumanu Hwy. #119, Hawaii, Kailua-Kona, HI  
19 ° 36 ' 0.00 " N LAT. 155 ° 54 ' 0.00 " W LONG.

ANTENNA ID:	1	2.4 meters	Skyware Global	Type 244
	3700.0000 - 4200.0000 MHz		1M20G7W 0.00 dBW	8PSK Digital Data
	5925.0000 - 6425.0000 MHz		360KG7D 49.19 dBW	OQPSK Digital Data
ANTENNA ID:	2	2.4 meters	Skyware Global	Type 244
	3700.0000 - 4200.0000 MHz		1M20G7W 0.00 dBW	8PSK Digital Data
	5925.0000 - 6425.0000 MHz		360KG7D 49.19 dBW	OQPSK Digital Data

**Points of Communication:**

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

1 - NSS 9 (S2756) - (177 W.L.)

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**SES-LIC-20170928-01066** E E170176 Comprehensive Nuclear Test Ban Treaty Organisation (CTBTO)

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: c/o USGS San Juan Observatory Bo Montellano Marginal St KM 0.9, Cayey, Cayey, PR  
18 ° 6 ' 37.00 " N LAT. 66 ° 9 ' 8.00 " W LONG.

ANTENNA ID:	1	2.4 meters	Skyware Global	Type 244	
3700.0000 - 4200.0000 MHz			1M20G7W	0.00 dBW	8PSK Digital Data
5925.0000 - 6047.0000 MHz			360KG7D	49.19 dBW	OQPSK Digital Data
6080.0000 - 6171.0000 MHz			360KG7D	49.19 dBW	OQPSK Digital Data
6243.0000 - 6270.0000 MHz			360KG7D	49.19 dBW	OQPSK Digital Data
6303.0000 - 6319.0000 MHz			360KG7D	49.19 dBW	OQPSK Digital Data
6372.0000 - 6425.0000 MHz			360KG7D	49.19 dBW	OQPSK Digital Data

**Points of Communication:**

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

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**SES-LIC-20170928-01068** E E170178 Comprehensive Nuclear Test Ban Treaty Organisation (CTBTO)

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: Honolulu, Wake Island, HI  
19 ° 16 ' 56.30 " N LAT. 166 ° 38 ' 49.30 " E LONG.

ANTENNA ID:	2	2.4 meters	Skyware Global	Type 244	
5925.0000 - 6425.0000 MHz			360KG7D	49.19 dBW	OQPSK Digital Data
3700.0000 - 4200.0000 MHz			1M20G7W	0.00 dBW	8PSK Digital Data
ANTENNA ID:	1	2.4 meters	Skyware Global	Type 244	
3700.0000 - 4200.0000 MHz			1M20G7W	0.00 dBW	8PSK Digital Data
5925.0000 - 6425.0000 MHz			360KG7D	49.19 dBW	OQPSK Digital Data

**Points of Communication:**

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

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1 - NSS 9 (S2756) - (177 W.L.)

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**SES-LIC-20171005-01108** E E170184 Optimera Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 154 Bering Way, Aleutians East Borough, Nelson Lagoon, AK  
55 ° 59 ' 14.90 " N LAT. 160 ° 34 ' 32.60 " W LONG.

ANTENNA ID:	3.8M.	3.8 meters	General Dynamics	1385	
	3700.0000 - 4200.0000 MHz		1M35G7W	Digital Data Carrier	
	3700.0000 - 4200.0000 MHz		5M00G7W	Digital Data Carrier	
	3700.0000 - 4200.0000 MHz		25M0G7W	Digital Data Carrier	
	5925.0000 - 6425.0000 MHz		1M35G7W	59.31 dBW	Digital Data Carrier
	5925.0000 - 6425.0000 MHz		5M00G7W	59.31 dBW	Digital Data Carrier
	5925.0000 - 6425.0000 MHz		25M0G7W	59.31 dBW	Digital Data Carrier

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-LIC-20171026-01218** E E170198 SES Americom, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 10161 Range Line Rd, St. Lucie, Port St Lucie, FL  
27 ° 16 ' 56.00 " N LAT. 80 ° 28 ' 58.00 " W LONG.

ANTENNA ID:	1	9 meters	GD Satcom	9mKXX	
	13750.0000 - 14000.0000 MHz		8M17G7W	68.00 dBW	Digital Data
	13780.0000 - 14000.0000 MHz		50M2G7W	75.90 dBW	Digital Data
	13750.0000 - 13770.0000 MHz		20M0G7W	71.90 dBW	Digital Data
	13780.0000 - 14000.0000 MHz		72M0G7W	77.50 dBW	Digital Data
	13750.0000 - 14000.0000 MHz		N0N	0.00 dBW	Digital Data
	12200.0000 - 12450.0000 MHz		N0N	0.00 dBW	CW Carrier

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11700.0000 - 11950.0000 MHz	N0N	0.00 dBW	CW Carrier
14000.0000 - 14500.0000 MHz	72M0G7W	87.10 dBW	Digital Data
14000.0000 - 14500.0000 MHz	54M0G7W	87.10 dBW	Digital Data
14000.0000 - 14500.0000 MHz	50M2G7W	87.10 dBW	Digital Data
14000.0000 - 14500.0000 MHz	100KG7W	60.10 dBW	Digital Data
14000.0000 - 14500.0000 MHz	N0N	52.10 dBW	CW carrier
10950.0000 - 11200.0000 MHz	118MG7W		Digital Data
10950.0000 - 11200.0000 MHz	N0N		CW Carrier
10950.0000 - 11200.0000 MHz	72M0G7W		Digital Data
10950.0000 - 11200.0000 MHz	54M0G7W		Digital Data
10950.0000 - 11200.0000 MHz	50M0G7W		Digital Data
10950.0000 - 11200.0000 MHz	100KG7W		Digital Data
12200.0000 - 12450.0000 MHz	118MG7W		Digital Data
12200.0000 - 12450.0000 MHz	72M0G7W		Digital Data
12200.0000 - 12450.0000 MHz	54M0G7W		Digital Data
12200.0000 - 12450.0000 MHz	50M0G7W		Digital Data
12200.0000 - 12450.0000 MHz	100KG7W		Digital Data
12200.0000 - 12450.0000 MHz	N0N		CW Carrier
11450.0000 - 11700.0000 MHz	118MG7W		Digital Data
11450.0000 - 11700.0000 MHz	72M0G7W		Digital Data
11450.0000 - 11700.0000 MHz	54M0G7W		Digital Data
11450.0000 - 11700.0000 MHz	50M2G7W		Digital Data
11450.0000 - 11700.0000 MHz	100KG7W		Digital Data
11450.0000 - 11700.0000 MHz	N0N		CW Carrier
11450.0000 - 11700.0000 MHz	N0N		CW Carrier
11700.0000 - 11950.0000 MHz	72M0G7W		Digital Carrier

11700.0000 - 11950.0000 MHz	54M0G7W		Digital Data
11700.0000 - 11950.0000 MHz	50M2G7W		Digital Data
11700.0000 - 11950.0000 MHz	36M0G7W		Digital Data
11700.0000 - 11950.0000 MHz	100KG7W		Digital data
11700.0000 - 11950.0000 MHz	N0N		CW Carrier
13770.0000 - 13780.0000 MHz	8M17G7W	68.00 dBW	Digital Data
13770.0000 - 13780.0000 MHz	10M0G7W	68.80 dBW	Digital Data
13778.0000 - 14000.0000 MHz	118MG7W	79.60 dBW	Digital Data

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-LIC-20171027-01217** E E170197 SES Americom, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 2323 Grimville Rd, Mt. Airy, MD  
39 ° 22 ' 36.52 " N LAT.

77 ° 4 ' 49.40 " W LONG.

ANTENNA ID: 1	9 meters	GD Satcom	9.0 M
13750.0000 - 14000.0000 MHz	648KG7W	68.00 dBW	Digital Data
13750.0000 - 14000.0000 MHz	225MG7W	85.00 dBW	Digital Data
13780.0000 - 14000.0000 MHz	50M2G7W	85.00 dBW	Digital Data
13750.0000 - 13770.0000 MHz	20M0G7W	82.90 dBW	Digital Data
13780.0000 - 14000.0000 MHz	72M0G7W	85.00 dBW	Digital Data
13750.0000 - 14000.0000 MHz	N0N	0.00 dBW	Digital Data
17300.0000 - 17800.0000 MHz	72M0G7W	88.90 dBW	Digital Data
17300.0000 - 17800.0000 MHz	54M0G7W	88.90 dBW	Digital Data
17300.0000 - 17800.0000 MHz	50M2G7W	88.90 dBW	Digital Data
17300.0000 - 17800.0000 MHz	100KG7W	62.00 dBW	Digital data

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17300.0000 - 17800.0000 MHz	N0N	54.00 dBW	CW Carrier
14000.0000 - 14500.0000 MHz	225MG7W	87.10 dBW	Digital Data
14000.0000 - 14500.0000 MHz	72M0G7W	87.10 dBW	Digital Data
14000.0000 - 14500.0000 MHz	54M0G7W	87.10 dBW	Digital Data
14000.0000 - 14500.0000 MHz	50M2G7W	87.10 dBW	Digital Data
14000.0000 - 14500.0000 MHz	100KG7W	60.10 dBW	Digital Data
14000.0000 - 14500.0000 MHz	N0N	52.10 dBW	CW carrier
10950.0000 - 11200.0000 MHz	225MG7W		Digital Data
10950.0000 - 11200.0000 MHz	N0N		CW Carrier
10950.0000 - 11200.0000 MHz	72M0G7W		Digital Data
10950.0000 - 11200.0000 MHz	54M0G7W		Digital Data
10950.0000 - 11200.0000 MHz	50M0G7W		Digital Data
10950.0000 - 11200.0000 MHz	100KG7W		Digital Data
12200.0000 - 12450.0000 MHz	225MG7W		Digital Data
12200.0000 - 12450.0000 MHz	72M0G7W		Digital Data
12200.0000 - 12450.0000 MHz	54M0G7W		Digital Data
12200.0000 - 12450.0000 MHz	50M0G7W		Digital Data
12200.0000 - 12450.0000 MHz	100KG7W		Digital Data
12200.0000 - 12450.0000 MHz	N0N		CW Carrier
11450.0000 - 11700.0000 MHz	225MG7W		Digital Data
11450.0000 - 11700.0000 MHz	72M0G7W		Digital Data
11450.0000 - 11700.0000 MHz	54M0G7W		Digital Data
11450.0000 - 11700.0000 MHz	50M2G7W		Digital Data
11450.0000 - 11700.0000 MHz	100KG7W		Digital Data
11450.0000 - 11700.0000 MHz	N0N		CW Carrier
11700.0000 - 11950.0000 MHz	225MG7W		Digital Carrier

11700.0000 - 11950.0000 MHz	72M0G7W		Digital Carrier
11700.0000 - 11950.0000 MHz	54M0G7W		Digital Data
11700.0000 - 11950.0000 MHz	50M2G7W		Digital Data
11700.0000 - 11950.0000 MHz	36M0G7W		Digital Data
11700.0000 - 11950.0000 MHz	100KG7W		Digital data
11700.0000 - 11950.0000 MHz	N0N		CW Carrier
17300.0000 - 18050.0000 MHz	225MG7W	88.90 dBW	Digital Data
13770.0000 - 13780.0000 MHz	6M00G7W	71.00 dBW	Digital Data
13770.0000 - 13780.0000 MHz	10M0G7W	73.20 dBW	Digital Data
13750.0000 - 14000.0000 MHz	152MG7W	85.00 dBW	Digital Data

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-LIC-20171031-01222** E E170201 SES Americom, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 5990 Solano Verde Dr, Ventura, Somis, CA

34 ° 19 ' 31.10 " N LAT.

118 ° 59 ' 46.20 " W LONG.

ANTENNA ID:	SM-C1	7.3 meters	Alpha Satcom	ASL 7.3 LMC
	5925.0000 - 6425.0000 MHz	N0N	52.30 dBW	Analog CW carrier
	5925.0000 - 6425.0000 MHz	100KG7D	63.10 dBW	Digital Data
	5925.0000 - 6425.0000 MHz	3M70G7W	78.78 dBW	Digital Data
	5925.0000 - 6425.0000 MHz	36M0G7W	78.78 dBW	Digital Data
	5925.0000 - 6425.0000 MHz	54M0G7W	78.78 dBW	Digital Data
	5925.0000 - 6425.0000 MHz	72M0G7W	78.78 dBW	Digital Data
	3700.0000 - 4200.0000 MHz	N0N		Analog CW carrier
	3700.0000 - 4200.0000 MHz	3M70G7W		Digital Data

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Data
3700.0000 - 4200.0000 MHz	54M0G7W	Digital Data
3700.0000 - 4200.0000 MHz	72M0G7W	Digital Data

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-MOD-20170906-00986** E E000127 Emerging Markets Communications, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Emerging Markets Communications, Inc. requests modification of its fixed earth station in Kapolei, HI, which operates with the JCSAT 3A satellite at 128 E.L. orbital location, Mabuhay Satellite at the 146 E.L. orbital location, and the Permitted List satellites in the 128 E.L. to 83 W.L. orbital locations to: (1) add C-band frequencies 5925-5978 MHz, 6031-6097 MHz, 6169-6171 MHz and 6225-6425 MHz (Earth-to-space); (2) change the station remote control point; and (3) update the corporate contact information for the licensee.

SITE ID: 1

LOCATION: 91-340 FARRINGTON HIGHWAY, KAPOLEI, KAPOLEI, HI

21 ° 20 ' 12.60 " N LAT.

158 ° 5 ' 22.10 " W LONG.

ANTENNA ID:	9.1M.	9.1 meters	ANDREW	ESA91-46
6689.0000 - 6699.0000 MHz	51K2G7D-	43.60 dBW	QPSK, Digital Multiplexed Carrier	
6689.0000 - 6699.0000 MHz	32M6G7W	69.10 dBW	QPSK, Digital Multiplexed Carrier	
6587.0000 - 6687.0000 MHz	51K2G7D-	43.60 dBW	QPSK, Digital Multiplexed Carrier	
6587.0000 - 6687.0000 MHz	36M0G7W	72.00 dBW	QPSK, Digital Multiplexed Carrier	
6225.0000 - 6425.0000 MHz	3M09G7W	59.00 dBW	QPSK, R=1/2 Encoded: Digital Multiplexed Carrier/ international voice, video, facsimile and data.	
6225.0000 - 6425.0000 MHz	1M54G7W	54.90 dBW	QPSK, R=1/2 Encoded: Digital Multiplexed Carrier/ international voice, video, facsimile and data.	
6225.0000 - 6425.0000 MHz	384KG7W	48.80 dBW	QPSK, R=1/2 Encoded: Digital Multiplexed Carrier/ international voice, video, facsimile and data.	
6225.0000 - 6425.0000 MHz	36M0G7W	84.00 dBW	Digital Multiplexed carrier QPSK data, voice and video (non DTH)	
3940.0000 - 4200.0000 MHz	3M09G7W	QPSK, R=1/2 Encoded: Digital Multiplexed Carrier/ international voice, video, facsimile and data.		



3940.0000 - 4200.0000 MHz	1M54G7W		QPSK, R=1/2 Encoded: Digital Multiplexed Carrier/ international voice, video, facsimile and data.
3940.0000 - 4200.0000 MHz	384KG7W		QPSK, R=1/2 Encoded: Digital Multiplexed Carrier/ international voice, video, facsimile and data.
3700.0000 - 4200.0000 MHz	51K2G7D-		QPSK, Digital Multiplexed Carrier
3700.0000 - 4200.0000 MHz	36M0G7W		QPSK, Digital Multiplexed Carrier
3700.0000 - 3940.0000 MHz	51K2G7D-		QPSK, Digital Multiplexed Carrier
3700.0000 - 3940.0000 MHz	36M0G7W		QPSK, Digital Multiplexed Carrier
6689.0000 - 6699.0000 MHz	51K2G7D	43.60 dBW	QPSK, Digital Multiplexed Carrier
6689.0000 - 6699.0000 MHz	32M6G7W	69.10 dBW	QPSK, Digital Multiplexed Carrier
6689.0000 - 6699.0000 MHz	51K2G7D	43.60 dBW	QPSK, Digital Multiplexed Carrier
6689.0000 - 6699.0000 MHz	32M6G7W	69.10 dBW	QPSK, Digital Multiplexed Carrier
6587.0000 - 6687.0000 MHz	51K2G7D	43.60 dBW	QPSK, Digital Multiplexed Carrier
6587.0000 - 6687.0000 MHz	36M0G7W	72.00 dBW	QPSK, Digital Multiplexed Carrier
6587.0000 - 6687.0000 MHz	51K2G7D	43.60 dBW	QPSK, Digital Multiplexed Carrier
6587.0000 - 6587.0000 MHz	36M0G7W	72.00 dBW	QPSK, Digital Multiplexed Carrier
6225.0000 - 6425.0000 MHz	51K2G7D	43.60 dBW	QPSK, Digital Multiplexed Carrier
6225.0000 - 6425.0000 MHz	36M0G7W	68.40 dBW	QPSK, Digital Multiplexed Carrier
6225.0000 - 6425.0000 MHz	51K2G7D	43.60 dBW	QPSK, Digital Multiplexed Carrier
6225.0000 - 6425.0000 MHz	36M0G7W	68.40 dBW	QPSK, Digital Multiplexed Carrier
6169.0000 - 6171.0000 MHz	51K2G7D	43.60 dBW	QPSK, Digital Multiplexed Carrier
6169.0000 - 6171.0000 MHz	36M0G7W	68.40 dBW	QPSK, Digital Multiplexed Carrier
6169.0000 - 6171.0000 MHz	51K2G7D	43.60 dBW	QPSK, Digital Multiplexed Carrier
6169.0000 - 6171.0000 MHz	36M0G7W	68.40 dBW	QPSK, Digital Multiplexed Carrier
6031.0000 - 6097.0000 MHz	51K2G7D	43.60 dBW	QPSK, Digital Multiplexed Carrier
6031.0000 - 6097.0000 MHz	36M0G7W	68.40 dBW	QPSK, Digital Multiplexed Carrier
6031.0000 - 6097.0000 MHz	51K2G7D	43.60 dBW	QPSK, Digital Multiplexed Carrier

6031.0000 - 6097.0000 MHz	36M0G7W	68.40 dBW	QPSK, Digital Multiplexed Carrier
5925.0000 - 5978.0000 MHz	51K2G7D	43.60 dBW	QPSK, Digital Multiplexed Carrier
5925.0000 - 5978.0000 MHz	36M0G7W	68.40 dBW	QPSK, Digital Multiplexed Carrier
5925.0000 - 5978.0000 MHz	51K2G7D	43.60 dBW	QPSK, Digital Multiplexed Carrier
5925.0000 - 5978.0000 MHz	36M0G7W	68.40 dBW	QPSK, Digital Multiplexed Carrier
3700.0000 - 4200.0000 MHz	51K2G7D		QPSK, Digital Multiplexed Carrier
3700.0000 - 4200.0000 MHz	36M0G7W		QPSK, Digital Multiplexed Carrier
3700.0000 - 4200.0000 MHz	51K2G7D		QPSK, Digital Multiplexed Carrier
3700.0000 - 4200.0000 MHz	36M0G7W		QPSK, Digital Multiplexed Carrier

**Points of Communication:**

1 - JCSAT-3A - (128 E.L.)

1 - Mabuhay (AGILA 2) - (146 E.L.)

1 - PERMITTED LIST - ()

**SES-MOD-20170925-01053** E E000296 Intelsat License LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Intelsat License LLC requests modification for its fixed earth station in Hagerstown, MD to add the Intelsat 903 (S2407) satellite at the 31.5° W.L. orbital location as a new point of communication and to provide Tracking, Telemetry and Command services to Intelsat 903 on the following center frequencies: 6173.70 MHz and 6176.30 MHz (Earth-to-space), and 3947.50 MHz, 3948.00 MHz, 3952.00 MHz and 3952.50 MHz (space-to-Earth).

SITE ID: 1

LOCATION: 17625 TECHNOLOGY BLVD (MTN-C92), WASHINGTON, HAGERSTOWN, MD  
39 ° 35 ' 54.00 " N LAT. 77 ° 45 ' 35.00 " W LONG.

ANTENNA ID:	MTN-C92	9 meters	VERTEX COMM.	9 KPC	
	6424.5000 - 6424.5000 MHz		850KF7D	84.70 dBW	TT&C
	6424.5000 - 6424.5000 MHz		1M20F7D	84.70 dBW	TT&C
	5925.0000 - 6425.0000 MHz		72M0G7W	86.50 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz		660KF2D	73.00 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES

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5925.0000 - 6425.0000 MHz	56K0G7W	62.30 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
5925.0000 - 6425.0000 MHz	1M08F2D	75.10 dBW	DIGITAL DATA, VOICE AND VIDEO SERVICES
5925.0000 - 6425.0000 MHz	900KF9D	74.30 dBW	TT&C
5925.0000 - 6425.0000 MHz	800KF9D	73.80 dBW	TT&C
5853.0000 - 5853.0000 MHz	850KF7D	84.70 dBW	TT&C
5853.0000 - 5853.0000 MHz	1M20F7D	84.70 dBW	TT&C
4199.2500 - 4199.2500 MHz	500KF7D		TT&C
4198.7500 - 4198.7500 MHz	500KF7D		TT&C
4198.2500 - 4198.2500 MHz	500KF7D		TT&C
4197.7500 - 4197.7500 MHz	500KF7D		TT&C
3700.0000 - 4200.0000 MHz	900KF9D		TT&C
3700.0000 - 4200.0000 MHz	660KF2D		TT&C
3700.0000 - 4200.0000 MHz	250KG9D		TT&C
3700.0000 - 4200.0000 MHz	1M08F2D		TT&C
3625.0000 - 4200.0000 MHz	72M0G7W		DIGITAL DATA, VOICE AND VIDEO SERVICES
3625.0000 - 4200.0000 MHz	56K0G7W		DIGITAL DATA, VOICE AND VIDEO SERVICES
3625.0000 - 4200.0000 MHz	800KF9D		TT&C
6176.3000 - 6176.3000 MHz	850KF7D	81.30 dBW	TT&C
6173.7000 - 6173.7000 MHz	850KF7D	81.30 dBW	TT&C
3952.5000 - 3952.5000 MHz	500KF7D		TT&C
3947.5000 - 3947.5000 MHz	500KF7D		TT&C
3952.0000 - 3952.0000 MHz	500KF7D		TT&C
3948.0000 - 3948.0000 MHz	500KF7D		TT&C

**Points of Communication:**

1 - INTELSAT 35e(S2959) - (34.5 W.L.)

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

1 - INTELSAT 903 (S2407) - (31.5 W.L.)

1 - INTELSAT 903 (S2407) - (31.5 W.L.)

1 - PERMITTED LIST - ()

1 - SIRIUS FM 5 - (96 W.L.)

**SES-MOD-20171009-01117** E E090024 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct to Home Fixed Satellite, Fixed Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Long Beach, CA to add emission designators to provided telemetry, tracking, and control to the SPACEWAY1 satellite operating at the 103° W.L orbital location and to the SPACEWAY 2 satellite at the 99° orbital location in the 29500-29515 MHz and 29525-29353 MHz (Earth-to-space) and 19700-19710 MHz (space-to-Earth) frequency bands.

**SITE ID:** CBC

**LOCATION:** 3800 Via Oro Ave., Los Angeles, Long Beach, CA

33 ° 49 ' 44.30 " N LAT.

118 ° 12 ' 42.90 " W LONG.

ANTENNA ID:	LBKA4	9.2 meters	Vertex RSI	9mKa-01-00
	29250.0000 - 30000.0000 MHz	36M0G7W	69.50 dBW	Modulation and Services PSK MOD Digital Video/Audio
	28350.0000 - 28600.0000 MHz	36M0G7W	69.50 dBW	Modulation and Services PSK MOD Digital Video/Audio
	19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	Modulation and Services PSK MOD Digital Video/Audio
	18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	Modulation and Services PSK MOD Digital Video/Audio
	29525.0000 - 29535.0000 MHz	25K0N0N	55.80 dBW	Beacon Transmission - Clear Sky
	29525.0000 - 29535.0000 MHz	25K0N0N	75.80 dBW	Beacon Transmission - Max Faded
	29500.0000 - 29515.0000 MHz	1M30F8D	89.50 dBW	Multi-tone Frequency Modulated Command Carrier - Max Faded
	29500.0000 - 29515.0000 MHz	1M30F9D	69.50 dBW	Multi-tone Frequency Modulated Command Carrier - Clear Sky
	19700.0000 - 19710.0000 MHz	106KG9D		Phase Modulated Satellite Telemetry

**Points of Communication:**

CBC - DIRECTV 10 - (102.8 W.L.)

CBC - DIRECTV 11 - (99 W.L.)

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CBC - DIRECTV 12 - (102.765 W)

CBC - DIRECTV 8 (K) - (101 W.L.)

CBC - DIRECTV 9S - (101 W.L.)

CBC - PERMITTED LIST - ()

CBC - SPACEWAY 1 - (103 W.L.)

CBC - SPACEWAY 2 - (99 W.L.)

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**SES-MOD-20171012-01144** E E160062 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct to Home Fixed Satellite, Fixed Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Los Angeles, CA to correct the site coordinates.

SITE ID: 1

LOCATION: 12800 Culver Boulevard, Los Angeles, Los Angeles, CA

33 ° 58 ' 58.00 " N LAT.

118 ° 25 ' 33.00 " W LONG.

ANTENNA ID:	1	13.2 meters	General Dynamics	GD-13.2m
	29250.0000 - 30000.0000 MHz	36M0G7W	80.00 dBW	PSK MOD Digital Video/Audio
	28350.0000 - 28600.0000 MHz	36M0G7W	80.00 dBW	PSK MOD Digital Video/Audio
	24750.0000 - 25150.0000 MHz	36M0G7W	80.00 dBW	PSK MOD Digital Video/Audio
	19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio
	18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio
	17300.0000 - 17700.0000 MHz	36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio

**Points of Communication:**

1 - DIRECTV RB-1 (S2711) - (99.235 W.L.)

1 - DIRECTV RB-2 (S2712) - (102.825)

1 - PERMITTED LIST - ()

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**SES-MOD-20171012-01145** E E990159 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Los Angeles, CA to correct the site coordinates.

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SITE ID: LABC  
 LOCATION: 12800 CULVER BLVD., LOS ANGELES, LOS ANGELES, CA  
 33 ° 58 ' 57.10 " N LAT. 118 ° 25 ' 31.80 " W LONG.

ANTENNA ID:	9M-DBS	9.3 meters	RSI	930 KS	
17300.0000 - 17800.0000 MHz			24M0G7W	89.20 dBW	DIGITAL TELEVISION
17300.0000 - 17800.0000 MHz			2M00F9D	87.40 dBW	TT&C
17300.0000 - 17800.0000 MHz			82K0F3N	87.40 dBW	FM SATELLITE TELEMETRY
17300.0000 - 17800.0000 MHz			1M00F2D	87.40 dBW	MULTI-TONE FEQUENCY MODULATED COMMAND CARRIER
12200.0000 - 12700.0000 MHz			24M0G7W		DIGITAL TELEVISION
12200.0000 - 12700.0000 MHz			2M00F9D		TT&C
12200.0000 - 12700.0000 MHz			82K0F3N		FM COMMAND CARRIER, NO DATA
12200.0000 - 12700.0000 MHz			1M00F2D		PHASE MODULATED SATELLITE TELEMETRY

**Points of Communication:**

LABC - DIRECTV - (Various)

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**SES-MOD-20171012-01146** E E930304 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Other

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Castle Rock, CO to correct the site coordinates.

SITE ID: CRBC  
 LOCATION: 5454 GARTON RD., DOUGLAS, CASTLE ROCK, CO  
 39 ° 16 ' 38.10 " N LAT. 104 ° 48 ' 29.50 " W LONG.

ANTENNA ID:	CDF09	13.1 meters	VERTEX RSI	13.1 KPKDBS	
17300.0000 - 17800.0000 MHz			82K0F3N	87.30 dBW	FM COMMAND CARRIER, NO DATA
17300.0000 - 17800.0000 MHz			750KF2D	87.40 dBW	FM COMMAND CARRIER, DIGITAL DATA
17300.0000 - 17800.0000 MHz			3M20F3X	87.40 dBW	FM DIGITAL DATA AND VIDEO
17300.0000 - 17800.0000 MHz			24M0G7W	87.40 dBW	QPSK DIGITAL AUDIO/VIDEO
17300.0000 - 17800.0000 MHz			24M0G7W	87.40 dBW	QPSK DIGITAL AUDIO/VIDEO

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17300.0000 - 17800.0000 MHz	3M20F3X	87.40 dBW	FM DIGITAL DATA AND VIDEO
17300.0000 - 17800.0000 MHz	82K0F3N	87.30 dBW	FM COMMAND CARRIER, NO DATA
17300.0000 - 17800.0000 MHz	1M00F2D	87.40 dBW	FM COMMAND CARRIER, DIGITAL DATA
17300.0000 - 17800.0000 MHz	750KF2D	87.40 dBW	FM COMMAND CARRIER, DIGITAL DATA
12200.0000 - 12700.0000 MHz	82K0F3N		FM COMMAND CARRIER, NO DATA
12200.0000 - 12700.0000 MHz	750KF2D		FM COMMAND CARRIER, DIGITAL DATA
12200.0000 - 12700.0000 MHz	3M20F3X		FM DIGITAL DATA AND VIDEO
12200.0000 - 12700.0000 MHz	24M0G7W		QPSK DIGITAL AUDIO/VIDEO
12200.0000 - 12700.0000 MHz	3M20F3X		FM DIGITAL DATA AND VIDEO
12200.0000 - 12700.0000 MHz	82K0F3N		FM COMMAND CARRIER, NO DATA
12200.0000 - 12700.0000 MHz	1M00F3D		FM COMMAND CARRIER, DIGITAL DATA
12200.0000 - 12700.0000 MHz	750KF2D		FM COMMAND CARRIER, DIGITAL DATA

**Points of Communication:**

CRBC - DIRECTV - (Various)

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**SES-MOD-20171012-01147** E E080026 DIRECTV Enterprises, LLC  
 Application for Modification  
**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct to Home Fixed Satellite, Fixed Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Englewood, CO to correct the site coordinates.

**SITE ID:** CRDUF  
**LOCATION:** 370 Inverness Drive South, Douglas, Englewood, CO  
 39 ° 33 ' 36.80 " N LAT. 104 ° 51 ' 47.70 " W LONG.

<b>ANTENNA ID:</b> CKA17	9.1 meters	VIASAT	LEOP-9
29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO

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**Points of Communication:**

CRDUF - DIRECTV 10 - (102.8 W.L.)

CRDUF - DIRECTV 11 - (99.2 W.L.)

CRDUF - DIRECTV 8 (K) - (101 W.L.)

CRDUF - DIRECTV 9S - (101 W.L.)

CRDUF - PERMITTED LIST - ()

CRDUF - SPACEWAY 1 - (103 W.L.)

CRDUF - SPACEWAY 2 - (99 W.L.)

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**SES-MOD-20171012-01148** E E070074 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct to Home Fixed Satellite, Fixed Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Big Lake, MN to correct the site coordinates.

SITE ID: MWDF

LOCATION: 16815 197th Ave. NW, Big Lake, MN

45 ° 19 ' 40.50 " N LAT.

93 ° 41 ' 49.40 " W LONG.

ANTENNA ID:	KA1	13.2 meters	Vertex RSI	8471-01-00
	29250.0000 - 30000.0000 MHz	36M0G7W	85.10 dBW	PSK MOD DIGITAL VIDEO / AUDIO
	28350.0000 - 28600.0000 MHz	36M0G7W	85.10 dBW	PSK MOD DIGITAL VIDEO / AUDIO
	19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
	18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO

ANTENNA ID:	KA2	13.2 meters	Vertex RSI	8471-01-00
	29250.0000 - 30000.0000 MHz	36M0G7W	85.10 dBW	PSK MOD DIGITAL VIDEO / AUDIO
	28350.0000 - 28600.0000 MHz	36M0G7W	85.10 dBW	PSK MOD DIGITAL VIDEO / AUDIO
	19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
	18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO

**Points of Communication:**

MWDF - DIRECTV 10 - (102.8 W.L.)

MWDF - DIRECTV 11 - (99.2 W.L.)



MWDF - DIRECTV 12 - (103 W.L.)

MWDF - DIRECTV 8 (K) - (101 W.L.)

MWDF - DIRECTV 9S - (101 W.L.)

MWDF - PERMITTED LIST - ()

MWDF - SPACEWAY 1 - (103 W.L.)

MWDF - SPACEWAY 2 - (99 W.L.)

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**SES-MOD-20171012-01149** E E070023 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Benson, AZ to correct the site coordinates.

SITE ID: 1

LOCATION: 401 W. DIRECWAY (SWDF KA4), COCHISE, BENSON, AZ

31 ° 58 ' 22.30 " N LAT.

110 ° 18 ' 17.75 " W LONG.

ANTENNA ID:	SWDF KA1	9.1 meters	VIASAT	LEOP-9
	29250.0000 - 30000.0000 MHz		36M0G7W 83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
	28350.0000 - 28600.0000 MHz		36M0G7W 83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
	19700.0000 - 20200.0000 MHz		36M0G7W	PSK MOD DIGITAL VIDEO / AUDIO
	18300.0000 - 18800.0000 MHz		36M0G7W	PSK MOD DIGITAL VIDEO / AUDIO

ANTENNA ID:	SWDF KA2	9.1 meters	VIASAT	LEOP-9
	29250.0000 - 30000.0000 MHz		36M0G7W 83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
	28350.0000 - 28600.0000 MHz		36M0G7W 83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
	19700.0000 - 20200.0000 MHz		36M0G7W	PSK MOD DIGITAL VIDEO / AUDIO
	18300.0000 - 18800.0000 MHz		36M0G7W	PSK MOD DIGITAL VIDEO / AUDIO

**Points of Communication:**

1 - DIRECTV 10 - (102.8 W.L.)

1 - DIRECTV 11 - (99.2 W.L.)

1 - DIRECTV 12 - (103 W.L.)

1 - DIRECTV 8 (K) - (101 W.L.)

1 - DIRECTV 9S - (101 W.L.)

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1 - PERMITTED LIST - ()

1 - SPACEWAY 1 - (103 W.L.)

1 - SPACEWAY 2 - (99 W.L.)

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**SES-MOD-20171012-01150** E E060299 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct to Home Fixed Satellite, Fixed Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Moxee, WA to correct the site coordinates.

SITE ID: 1

LOCATION: 106 GRANT WAY (NWUF), YAKIMA, MOXEE, WA

46 ° 33 ' 54.50 " N LAT.

120 ° 23 ' 57.10 " W LONG.

ANTENNA ID:	KA1	9.2 meters	Vertex RSI	9mKa-01-00
	29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
	28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
	19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
	18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
ANTENNA ID:	KA2	9.2 meters	Vertex RSI	9mKA-01-00
	29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
	28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
	19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
	18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO

**Points of Communication:**

1 - DIRECTV 12 - (103 W.L.)

1 - DIRECTV 8 (K) - (101 W.L.)

1 - DIRECTV 9S - (101 W.L.)

1 - PERMITTED LIST - ()

1 - SPACEWAY 1 - (103 W.L.)

1 - SPACEWAY 2 - (99 W.L.)

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**SES-MOD-20171012-01151** E E090076 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Direct-to-Home Fixed Satellite Service, Fixed Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in New Hampton, NH to correct the site coordinates.

SITE ID: NEUF  
LOCATION: 56 Packard Drive, New Hampton, NH  
43 ° 37 ' 26.60 " N LAT. 71 ° 38 ' 33.60 " W LONG.

ANTENNA ID:	KA9	9.2 meters	VertexRSI	9MKa-01-00
	29490.0000 - 29500.0000 MHz		1M30F9D 91.00 dBW	Multi-tone Frequency Modulated Command Carrier (Max Faded)
	29490.0000 - 29500.0000 MHz		1M30F9D 76.00 dBW	Multi-tone Frequency Modulated Command Carrier (Clear Sky)
	29250.0000 - 29260.0000 MHz		1M30F9D 76.00 dBW	Multi-tone Frequency Modulated Command Carrier (Clear Sky)
	29250.0000 - 29260.0000 MHz		1M30F9D 91.00 dBW	Multi-tone Frequency Modulated Command Carrier (Max Faded)
	29250.0000 - 29260.0000 MHz		160KF3N 91.00 dBW	Multi-tone Frequency Modulated Pointing Beacon (Max Faded)
	29250.0000 - 29260.0000 MHz		160KF3N 76.00 dBW	Multi-tone Frequency Modulated Pointing Beacon (Clear Sky)
	18300.0000 - 18305.0000 MHz		106KG9D 0.00 dBW	Phase Modulated Telemetry

**Points of Communication:**

NEUF - DIRECTV 10 - (102.8 W.L.)

NEUF - DIRECTV 11 - (99.2 W.L.)

NEUF - DIRECTV 12 - (103 W.L.)

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**SES-MOD-20171012-01152** E E060298 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct to Home Fixed Satellite, Fixed Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Ellensburg, WA to correct the site coordinates.

SITE ID: 1  
LOCATION: 1306 W. Dolarway Rd. (NWDF), Kittitas County, Ellensburg, WA  
46 ° 59 ' 55.60 " N LAT. 120 ° 33 ' 56.95 " W LONG.

ANTENNA ID:	KA1	9.2 meters	Vertex RSI	9mKa-01-00
	29250.0000 - 30000.0000 MHz		36M0G7W 83.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO

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28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
ANTENNA ID: KA2	9.2 meters	Vertex RSI	9mKA-01-00
29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO
18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO/AUDIO

**Points of Communication:**

- 1 - DIRECTV 12 - (103 W.L.)
- 1 - DIRECTV 8 (K) - (101 W.L.)
- 1 - DIRECTV 9S - (101 W.L.)
- 1 - PERMITTED LIST - ()
- 1 - SPACEWAY 1 - (103 W.L.)
- 1 - SPACEWAY 2 - (99 W.L.)

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~~SES-MOD-20171012-01153~~ E E010129 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

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

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Los Angeles, CA to correct the site coordinates.

SITE ID: LABC

LOCATION: 12800 Culver Blvd., Los Angeles, Los Angeles, CA

33 ° 58 ' 58.75 " N LAT.

118 ° 25 ' 31.50 " W LONG.

ANTENNA ID: A5/A6	11.3 meters	Vertex RSI	1100KS
17300.0000 - 17800.0000 MHz	24M0G7F	87.40 dBW	Feeder link / QPSK Digital Television
12200.0000 - 12700.0000 MHz	24M0G7F		QPSK Digital Television

**Points of Communication:**

- LABC - DIRECTV - (Various)
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Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Direct to Home Fixed Satellite, Fixed Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in New Hampton, NH to correct the site coordinates.

SITE ID: NEUF

LOCATION: 56 Packard Drive, New Hampton, NH

43 ° 37 ' 24.20 " N LAT.

71 ° 38 ' 32.40 " W LONG.

ANTENNA ID:	NEUF	3.5 meters	ANDREW	ES35-101-208
	29250.0000 - 30000.0000 MHz		8M50G7W 76.60 dBW	QPSK, MCPC/SCPC DATA/VIDEO
	29250.0000 - 30000.0000 MHz		14M1G7W 78.80 dBW	QPSK, MCPC/SCPC DATA/VIDEO
	29250.0000 - 30000.0000 MHz		5M70G1W 74.90 dBW	QPSK, SCPC DATA/VIDEO
	29250.0000 - 30000.0000 MHz		2M90G1W 71.90 dBW	QPSK, SCPC DATA/VIDEO
	29250.0000 - 30000.0000 MHz		2M20G1W 70.70 dBW	QPSK, SCPC DATA/VIDEO
	29250.0000 - 30000.0000 MHz		22M6G7W 80.80 dBW	QPSK, MCPC VIDEO/DATA
	29250.0000 - 30000.0000 MHz		54M0G7W 81.10 dBW	QPSK, MCPC VIDEO
	29250.0000 - 30000.0000 MHz		36M0G7W 81.10 dBW	QPSK, MCPC VIDEO
	29250.0000 - 30000.0000 MHz		24M0G7W 81.10 dBW	QPSK, MCPC VIDEO
	28350.0000 - 28600.0000 MHz		8M50G7W 76.60 dBW	QPSK, MCPC/SCPC DATA/VIDEO
	28350.0000 - 28600.0000 MHz		14M1G7W 78.80 dBW	QPSK, MCPC/SCPC DATA/VIDEO
	28350.0000 - 28600.0000 MHz		5M70G1W 74.90 dBW	QPSK, SCPC DATA/VIDEO
	28350.0000 - 28600.0000 MHz		2M90G1W 71.90 dBW	QPSK, SCPC DATA/VIDEO
	28350.0000 - 28600.0000 MHz		2M20G1W 70.70 dBW	QPSK, SCPC DATA/VIDEO
	28350.0000 - 28600.0000 MHz		22M6G7W 80.80 dBW	QPSK, MCPC VIDEO/DATA
	28350.0000 - 28600.0000 MHz		54M0G7W 81.10 dBW	QPSK, MCPC VIDEO
	28350.0000 - 28600.0000 MHz		36M0G7W 81.10 dBW	QPSK, MPC VIDEO
	28350.0000 - 28600.0000 MHz		24M0G7W 81.10 dBW	QPSK, MCPC VIDEO
	19700.0000 - 20200.0000 MHz		8M50G7W 0.00 dBW	QPSK, MCPC/SCPC DATA/VIDEO
	19700.0000 - 20200.0000 MHz		14M1G7W 0.00 dBW	QPSK, MCPC/SCPC DATA/VIDEO

19700.0000 - 20200.0000 MHz	5M70G1W	0.00 dBW	QPSK, SCPC DATA/VIDEO
19700.0000 - 20200.0000 MHz	2M90G1W	0.00 dBW	QPSK, SCPC DATA/VIDEO
19700.0000 - 20200.0000 MHz	2M20G1W	0.00 dBW	QPSK, SCPC DATA/VIDEO
19700.0000 - 20200.0000 MHz	22M6G7W	0.00 dBW	QPSK, MCPC VIDEO/DATA
19700.0000 - 20200.0000 MHz	54M0G7W	0.00 dBW	QPSK, MCPC VIDEO
19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	QPSK, MCPC VIDEO
19700.0000 - 20200.0000 MHz	24M0G7W	0.00 dBW	QPSK, MCPC VIDEO
18300.0000 - 18800.0000 MHz	8M50G7W	0.00 dBW	QPSK, MCPC/SCPC DATA/VIDEO
18300.0000 - 18800.0000 MHz	14M1G7W	0.00 dBW	QPSK, MCPC/SCPC DATA/VIDEO
18300.0000 - 18800.0000 MHz	5M70G1W	0.00 dBW	QPSK, SCPC DATA/VIDEO
18300.0000 - 18800.0000 MHz	2M90G1W	0.00 dBW	QPSK, SCPC DATA/VIDEO
18300.0000 - 18800.0000 MHz	2M20G1W	0.00 dBW	QPSK, SCPC DATA/VIDEO
18300.0000 - 18800.0000 MHz	22M6G7W	0.00 dBW	QPSK, MCPC VIDEO/DATA
18300.0000 - 18800.0000 MHz	54M0G7W	0.00 dBW	QPSK, MCPC VIDEO
18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	QPSK, MCPC VIDEO
18300.0000 - 18800.0000 MHz	24M0G7W	0.00 dBW	QPSK, MCPC VIDEO

**Points of Communication:**

NEUF - DIRECTV 8 - (101 W.L.)

NEUF - SPACEWAY 1 - (103 W.L.)

NEUF - SPACEWAY 2 - (99 W.L.)

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**SES-MOD-20171012-01155** E E090069 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Los Angeles, CA to correct the site coordinates.

**SITE ID:** LABC

**LOCATION:** 12800 Culver Boulevard, Los Angeles, Los Angeles, CA

33 ° 58 ' 59.45 " N LAT.

118 ° 25 ' 30.40 " W LONG.

**ANTENNA ID:** LD04

11.3 meters

COMSAT RSI

1100 KS

17300.0000 - 17800.0000 MHz	2M00F9D	87.40 dBW	Telemetry, Tracking and Command
17300.0000 - 17800.0000 MHz	82K0F3N	87.40 dBW	Telemetry, Tracking and Command
17300.0000 - 17800.0000 MHz	1M00F2D	87.40 dBW	Telemetry, Tracking and Command
17300.0000 - 17800.0000 MHz	24M0G7W	87.40 dBW	Feeder link for DBS
12200.0000 - 12700.0000 MHz	2M00F9D	0.00 dBW	Telemetry, Tracking and Command
12200.0000 - 12700.0000 MHz	1M00F2D	0.00 dBW	Telemetry, Tracking and Command
12200.0000 - 12700.0000 MHz	82K0F3N	0.00 dBW	Telemetry, Tracking and Command
12200.0000 - 12700.0000 MHz	24M0G7W	0.00 dBW	Feeder link for DBS
ANTENNA ID: LD03	11.3 meters	COMSAT RSI	1100 KS
17300.0000 - 17800.0000 MHz	2M00F9D	87.40 dBW	Telemetry, Tracking and Command
17300.0000 - 17800.0000 MHz	82K0F3N	87.40 dBW	Telemetry, Tracking and Command
17300.0000 - 17800.0000 MHz	1M00F2D	87.40 dBW	Telemetry, Tracking and Command
17300.0000 - 17800.0000 MHz	24M0G7W	87.40 dBW	Feeder link for DBS
12200.0000 - 12700.0000 MHz	2M00F9D	0.00 dBW	Telemetry, Tracking and Command
12200.0000 - 12700.0000 MHz	1M00F2D	0.00 dBW	Telemetry, Tracking and Command
12200.0000 - 12700.0000 MHz	82K0F3N	0.00 dBW	Telemetry, Tracking and Command
12200.0000 - 12700.0000 MHz	24M0G7W	0.00 dBW	Feeder link for DBS

**Points of Communication:**

LABC - DIRECTV - (Various)

**SES-MOD-20171012-01156** E E090025 DIRECTV Enterprises, LLC  
Application for Modification  
**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct to Home Fixed Satellite, Fixed Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Los Angeles, CA to correct the site coordinates.

SITE ID: LABC  
LOCATION: 12800 Culver Boulevard, Los Angeles, Los Angeles, CA  
33 ° 58 ' 57.60 " N LAT. 118 ° 25 ' 31.00 " W LONG.

ANTENNA ID: LKA16 9.2 meters Vertex RSI 9mKa-01-00

29250.0000 - 30000.0000 MHz	36M0G7W	69.50 dBW	Modulation and Services PSK MOD Digital Video/Audio
28350.0000 - 28600.0000 MHz	36M0G7W	69.50 dBW	Modulation and Services PSK MOD Digital Video/Audio
19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	Modulation and Services PSK MOD Digital Video/Audio
18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	Modulation and Services PSK MOD Digital Video/Audio

**Points of Communication:**

LABC - DIRECTV 10 - (102.8 W.L.)

LABC - DIRECTV 11 - (99 W.L.)

LABC - DIRECTV 12 - (102.765 W)

LABC - DIRECTV 8 (K) - (101 W.L.)

LABC - DIRECTV 9S - (101 W.L.)

LABC - PERMITTED LIST - ()

LABC - SPACEWAY 1 - (103 W.L.)

LABC - SPACEWAY 2 - (99 W.L.)

**SES-MOD-20171012-01157** E E070122 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct to Home Fixed Satellite, Fixed Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Los Angeles, CA to correct the site coordinates.

SITE ID: LABC

LOCATION: 12800 Culver Boulevard, Los Angeles, Los Angeles, CA

33 ° 58 ' 57.80 " N LAT.

118 ° 25 ' 30.70 " W LONG.

ANTENNA ID:	LKA15	9.2 meters	Vertex RSI	9mKa-01-00
29525.0000 - 29535.0000 MHz	25K0N0N	75.80 dBW	Beacon Transmission - Max Faded	
29500.0000 - 29515.0000 MHz	1M30F9D	89.50 dBW	Multi-tone Frequency Modulated Command Carrier - Max Faded	
29500.0000 - 29515.0000 MHz	1M30F9D	69.50 dBW	Multi-tone Frequency Modulated Command Carrier - Clear Sky	
29250.0000 - 30000.0000 MHz	36M0G7W	69.50 dBW	PSK MOD Digital Video/Audio	
29250.0000 - 29350.0000 MHz	25K0N0N	55.80 dBW	Beacon Transmission - Clear Sky	



28350.0000 - 28600.0000 MHz	36M0G7W	69.50 dBW	PSK MOD Digital Video/Audio
19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio
19700.0000 - 19710.0000 MHz	106KG9D	0.00 dBW	Phase Modulated Satellite Telemetry
18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD Digital Video/Audio

**Points of Communication:**

LABC - DIRECTV 10 - (102.8 W.L.)

LABC - DIRECTV 8 (K) - (101 W.L.)

LABC - PERMITTED LIST - ()

LABC - SPACEWAY 1 - (103 W.L.)

LABC - SPACEWAY 2 - (99 W.L.)

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**SES-MOD-20171012-01158** E E070111 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Tucson, AZ to correct the site coordinates.

**SITE ID:** SWUF

**LOCATION:** 9608 East Old Vail Rd., Pima County, Tucson, AZ

32 ° 5 ' 33.00 " N LAT.

110 ° 47 ' 14.90 " W LONG.

<b>ANTENNA ID:</b> KA1	9.1 meters	VIASAT	LEOP-9
29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO

<b>ANTENNA ID:</b> KA2	9.1 meters	VIASAT	LEOP-9
29250.0000 - 30000.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
28350.0000 - 28600.0000 MHz	36M0G7W	83.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO

**Points of Communication:**

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SWUF - DIRECTV 10 - (102.8 W.L.)

SWUF - DIRECTV 11 - (99.2 W.L.)

SWUF - DIRECTV 12 - (103 W.L.)

SWUF - DIRECTV 8 (K) - (101 W.L.)

SWUF - DIRECTV 9S - (101 W.L.)

SWUF - PERMITTED LIST - ()

SWUF - SPACEWAY 1 - (103 W.L.)

SWUF - SPACEWAY 2 - (99 W.L.)

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**SES-MOD-20171012-01159** E E010130 DIRECTV Enterprises, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

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

DIRECTV Enterprises, LLC requests modification of its fixed earth station in Castle Rock, CO to correct the site coordinates.

**SITE ID:** CRBC

**LOCATION:** 5454 Garton Rd., Douglas, Castle Rock, CO

39 ° 16 ' 38.60 " N LAT.

104 ° 48 ' 25.40 " W LONG.

**ANTENNA ID:** A35/A36 11.3 meters Vertex RSI 1100KS

17300.0000 - 17800.0000 MHz 24M0G7F 87.40 dBW Feeder Link / QPSK Digital Television

12200.0000 - 12700.0000 MHz 24M0G7F QPSK Digital Television

**Points of Communication:**

CRBC - DIRECTV - (Various)

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**SES-T/C-20171031-01229** E E5184 Learfield Communications, LLC

Application for Consent to Transfer of Control

**Current Licensee:** Learfield Communications, LLC

**FROM:** ATAIROS GROUP, INC.

**TO:** Atairos Group, Inc.

No. of Station(s) listed: 1

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