
SITE ID: 1
LOCATION: 2278 WORTHAM LANE, COLUMBIA, APPLING, GA
33 ° 32 ' 13.00 " N LAT. 82 ° 16 ' 16.00 " W LONG.

ANTENNA ID: One 3.8 meters PRODELIN 1385
5925.0000 - 6425.0000 MHz 500KG7W 51.92 dBW Digital modulation of media content at varying data rates and FEC
3700.0000 - 4200.0000 MHz 500KG7W Digital modulation of media content at varying data rates and FEC

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20150410-00210 E E040368 Denali 20020, LLC
Application for Modification 11/15/2004 - 11/15/2019
Grant of Authority Date Effective: 07/08/2015

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 11 EDSALL DRIVE, Sussex, VERNON VALLEY, NJ
41 ° 12 ' 10.00 " N LAT. 74 ° 31 ' 39.00 " W LONG.

ANTENNA ID: 1 11.3 meters Viasat 8016A
14000.0000 - 14500.0000 MHz 8M00G7W 81.30 dBW phase modulated digital carriers
10950.0000 - 11200.0000 MHz 8M00G7W Digital Data Carrier
14000.0000 - 14500.0000 MHz 8M00G7W 81.30 dBW Digital Data Carrier
14000.0000 - 14500.0000 MHz 36M0G7W 87.80 dBW Video Carrier
11700.0000 - 12200.0000 MHz 8M00G7W phase modulated digital carriers
11450.0000 - 12200.0000 MHz 8M00G7W Digital Data Carrier
11450.0000 - 12200.0000 MHz 36M0G7W Video Carrier
10950.0000 - 11200.0000 MHz 36M0G7W Video Carrier

Points of Communication:

1 - INTEL 907 (S2411) - (27.5 W.L.)
1 - INTELSAT 14 (S2785) - (45.0 W.L.)
1 - PERMITTED LIST - ()

SES-MOD-20150410-00211 E KA367 Denali 20020, LLC
Application for Modification 03/31/2003 - 03/31/2018
Grant of Authority Date Effective: 07/09/2015

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, International Fixed Satellite Service

SITE ID: 1
LOCATION: 100 EDSALL DRIVE, SUSSEX, VERNON VALLEY, NJ
41 ° 12 ' 7.30 " N LAT. 74 ° 31 ' 33.60 " W LONG.

ANTENNA ID:	1	3.7 meters	ANTENNA FOR COMMUNICATION	PR-12
	11450.0000 - 11950.0000 MHz		36M0F8W	ANALOG VIDEO
	11450.0000 - 11700.0000 MHz		36M0F8W	MODULATION AND SERVICES VIDEO CARRIER
	10950.0000 - 11200.0000 MHz		36M0F8W	MODULATION AND SERVICES VIDEO CARRIER

Points of Communication:

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

1 - INTELSAT 605 - (332.5 E.L.)

SES-MOD-20150410-00213 E E080162 Denali 20020, LLC
Application for Modification 09/23/2008 - 09/23/2023
Grant of Authority Date Effective: 07/08/2015

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: VVES Ciel-2
LOCATION: 11 EDSAKK DRUVE, SUSSEX, VERNON, NJ
41 ° 12 ' 10.00 " N LAT. 74 ° 31 ' 39.00 " W LONG.

ANTENNA ID:	VVCiel-2	11 meters	Vertex/RSI	11.0KPK
	17300.0000 - 17800.0000 MHz		1M00G7W 87.40 dBW	DIGITAL DATA
	12200.0000 - 12700.0000 MHz		1M00G7W	DIGITAL DATA
	17300.0000 - 17800.0000 MHz		36M0G7W 87.40 dBW	DIGITAL DATA
	12200.0000 - 12700.0000 MHz		36M0G7W	DIGITAL DATA

Points of Communication:

VVES Ciel-2 - CIEL 2 - (128.85 W.L.)

VVES Ciel-2 - DIRECTV - (Various)

SES-MOD-20150410-00214 E E9494 Denali 20020, LLC
 Application for Modification 08/30/2005 - 08/30/2020
 Grant of Authority Date Effective: 07/07/2015

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 11 EDSALL DRIVE, SUSSEX, VERNON VALLEY, NJ
 41 ° 12 ' 10.30 " N LAT. 74 ° 31 ' 37.60 " W LONG.

ANTENNA ID:	1	9 meters	TIW	9.0METER
	14000.0000 - 14500.0000 MHz	54M0G7W	73.40 dBW	DIGITAL DATA CARRIER
	14000.0000 - 14500.0000 MHz	54M0F9W	73.40 dBW	DIGITAL DATA CARRIER
	14000.0000 - 14500.0000 MHz	50M0F3F	77.90 dBW	VIDEO CARRIER
	11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL DATA CARRIER
	11700.0000 - 12200.0000 MHz	54M0F9W		DIGITAL DATA CARRIER
	11700.0000 - 12200.0000 MHz	50M0F3F		VIDEO CARRIER
	14000.0000 - 14500.0000 MHz	50M0F3F	73.40 dBW	VIDEO CARRIER
	14000.0000 - 14500.0000 MHz	54M0F9W	87.70 dBW	DIGITAL DATA CARRIER
	14000.0000 - 14500.0000 MHz	54M0G7W	87.70 dBW	DIGITAL DATA CARRIER
	11450.0000 - 12200.0000 MHz	36M0G7W		VIDEO CARRIER
	11450.0000 - 12200.0000 MHz	50M0F3F		VIDEO CARRIER
	10950.0000 - 11200.0000 MHz	54M0F9W		DIGITAL DATA CARRIER
	10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL DATA CARRIER
	11450.0000 - 12200.0000 MHz	54M0F9W		DIGITAL DATA CARRIER
	11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL DATA CARRIER
	10950.0000 - 11200.0000 MHz	36M0G7W		VIDEO CARRIER
	10950.0000 - 11200.0000 MHz	50M0F3F		VIDEO CARRIER

Points of Communication:

1 - INTEL 907 (S2411) - (27.5 W.L.)

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

1 - PERMITTED LIST - ()

SES-MOD-20150424-00272 E E140117 DIRECTV Enterprises, LLC

Application for Modification

01/15/2015 - 01/15/2030

Grant of Authority

Date Effective: 07/10/2015

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 56 Packard Drive, New Hampton, NH

43 ° 37 ' 25.20 " N LAT.

71 ° 38 ' 33.50 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	GD-9M
	28350.0000 - 28360.0000 MHz	800KF2D	91.00 dBW	Telecommand carrier (max faded)
	28350.0000 - 28360.0000 MHz	800KF2D	76.00 dBW	Telecommand carrier (clear sky)
	18790.0000 - 18800.0000 MHz	800KF2D	0.00 dBW	Telemetry
	29500.0000 - 29510.0000 MHz	800KF2D	74.00 dBW	TELECOMMAND CARRIER
	29500.0000 - 29510.0000 MHz	800KF2D	91.00 dBW	TELECOMMAND CARRIER (MAX FADED)
	20190.0000 - 20200.0000 MHz	800KF2D		TELEMETRY

Points of Communication:

1 - DIRECTV 14 (S2869) - (99.235 WL)

1 - DIRECTV 15 (S2930) - (102.75 W.L.)

SES-MOD-20150424-00273 E E930304 DIRECTV Enterprises, LLC

Application for Modification

11/19/2003 - 11/19/2018

Grant of Authority

Date Effective: 07/14/2015

Class of Station: Other

Nature of Service: Other

SITE ID: CRBC

LOCATION: 5454 GARTON RD., DOUGLAS, CASTLE ROCK, CO

39 ° 16 ' 37.00 " N LAT.

104 ° 48 ' 29.00 " 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
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)
- CRBC - DIRECTV- 2 - (101 W.L.)
- CRBC - DIRECTV- 3 - (101 W.L.)
- CRBC - DIRECTV 3 - (82 W.L.)
- CRBC - DIRECTV 8 - (101 W.L.)
- CRBC - DIRECTV 9S - (101 W.L.)
- CRBC - DIRECTV-1 - (101.0 W.L.)
- CRBC - DIRECTV-1 - (72.5 W.L.)

CRBC - DIRECTV-1R - (101 W.L.)

CRBC - DIRECTV-2 - (91 W.L.)

CRBC - DIRECTV-4S - (101.0 W.L.)

CRBC - DIRECTV-5 - (110.0 W.L.)

CRBC - DIRECTV-5 - (119 W.L.)

CRBC - DIRECTV-5 - (72.5 WL)

CRBC - DIRECTV-6 - (110.0 W.L.)

CRBC - DIRECTV-7S - (119 W.L.)

SES-MOD-20150424-00274 E E070027 DIRECTV Enterprises, LLC

Application for Modification

03/13/2007 - 03/13/2022

Grant of Authority

Date Effective: 07/14/2015

Class of Station: Fixed Earth Stations

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

SITE ID: CRBC

LOCATION: 5454 Garton Road, Douglas, Castle Rock, CO

39 ° 16 ' 38.00 " N LAT.

104 ° 48 ' 31.70 " W LONG.

ANTENNA ID:	CKA15	9.2 meters	Vertex-RSI	9MKa-01-00
29490.0000 - 29500.0000 MHz	1M30F9D	69.50 dBW		MULTI-TONE FREQUENCY MODULATED COMMAND CARRIER (CLEAR SKY)
29490.0000 - 29500.0000 MHz	1M30F9D	89.50 dBW		MULTI-TONE FREQUENCY MODULATED COMMAND CARRIER (MAX FADED)
29250.0000 - 30000.0000 MHz	36M0G7W	85.00 dBW		PSK MODULATED DIGITAL VIDEO/AUDIO
29250.0000 - 29260.0000 MHz	1M30F9D	69.50 dBW		MULTI-TONE FREQUENCY MODULATED COMMAND CARRIER (CLEAR SKY)
29250.0000 - 29260.0000 MHz	1M30F9D	89.50 dBW		MULTI-TONE FREQUENCY MODULATED COMMAND CARRIER (MAX FADED)
28350.0000 - 28600.0000 MHz	36M0G7W	85.00 dBW		PSK MODULATED DIGITAL VIDEO/AUDIO
24750.0000 - 25050.0000 MHz	36M0G7W	83.00 dBW		PSK MODULATED DIGITAL VIDEO/AUDIO
19700.0000 - 20200.0000 MHz	36M0G7W			PSK MODULATED DIGITAL VIDEO/AUDIO

18300.0000 - 18800.0000 MHz	36M0G7W		PSK MODULATED DIGITAL VIDEO/AUDIO
18300.0000 - 18305.0000 MHz	106KG9D	0.00 dBW	PHASE MODULATED SATELLITE TELEMETRY
17300.0000 - 17700.0000 MHz	36M0G7W		PSK MODULATED DIGITAL VIDEO/AUDIO

Points of Communication:

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

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

CRBC - PERMITTED LIST - ()

SES-REG-20150421-00235 E E150044 Educational Media Foundation
 Registration 04/21/2015 - 04/21/2030
 Grant of Authority Date Effective: 07/08/2015

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KWAO
 LOCATION: 277 Joppish Road, Lewis, Centralia, WA
 46 ° 43 ' 50.90 " N LAT. 123 ° 1 ' 33.50 " W LONG.

ANTENNA ID: 3.7M	3.7 meters	Prodelin	1374
3700.0000 - 4200.0000 MHz	30K0G7W		Narrowband digital traffic various data
3700.0000 - 4200.0000 MHz	36M0G7W		Digital traffic, various FEC, data rates, modulation and information
3700.0000 - 4200.0000 MHz	30K0F3W		Narrowband analog carrier,
3700.0000 - 4200.0000 MHz	36M0F3W		Wideband analog carrier

Points of Communication:

KWAO - PERMITTED LIST - ()

SES-STA-20150701-00435 E E010011 Deere & Company
 Special Temporary Authority
 Grant of Authority Date Effective: 07/10/2015

Class of Station:

On July 10, 2015, Deere & Company was granted special temporary authority, for a period of 60 days beginning July 10, 2015, to continue to operate earth stations currently authorized under this call sign with INMARSAT 3F2 at the 15.5 W.L. orbital location and INMARSAT 3F3 at the 178 E.L orbital location on the center frequency 1545.9875 MHz (space-to-Earth) and INMARSAT 3F4 at the 54 W.L. orbital location on the center frequency 1545.9775 MHz (space-to-Earth).

Points of Communication:

SES-STA-20150703-00446 E E140114 ISAT US Inc.

Special Temporary Authority
Grant of Authority

Date Effective: 07/07/2015

Class of Station:

On July 7, 2015, ISAT US, Inc. was granted special temporary authority, for a period of 30 days beginning July 25, 2015, to operate one aircraft earth station (Honeywell MCS-8200 fuselage-mount user terminal) for testing, and to communicate with the Inmarsat-5F1 satellite at the 62.6° E.L. orbital location in the 29.5-30.0 GHz (Earth-to-space) and 19.7-20.2 GHz (space-to-Earth) frequency bands.

Points of Communication:

Dismissal

SES-STA-20150604-00321 E000329 iHeartMedia + Entertainment, Inc.

Application for special temporary authority dismissed as Moot. See IBFS File No. SES-MOD-20150311-00140 granted on June 15, 2015.

SURRENDER

SES-RWL-20040525-00722 E940282 AT&T Corp.

License surrendered by letter filed September 16, 2010.

SES-RWL-20040525-00723 E940281 AT&T Corp.

License surrendered by letter filed September 16, 2010.

SES-RWL-20080211-00144 E900093 AT&T Corp.

License surrendered by letter filed September 16, 2010.

SES-RWL-20080211-00145 E900096 AT&T Corp.

License surrendered by letter September 16, 2010.

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