



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
445 12th STREET S.W.
WASHINGTON D.C. 20554

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Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)
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Report No. SES-01684

Wednesday September 24, 2014

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-20140617-00524 E E140057 DIRECTV Enterprises, LLC

Application for Authority

Class of Station: Fixed Earth Stations

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

SITE ID: 1

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

39 ° 16 ' 39.60 " N LAT.

104 ° 48 ' 31.00 " W LONG.

ANTENNA ID:	1	9.2 meters	Vertex-RSI	9MKa-01-00
	18300.0000 - 18800.0000 MHz	36M0G7W	0.00 dBW	PSK Modulated Digital Video/Audio
	19700.0000 - 20200.0000 MHz	36M0G7W	0.00 dBW	PSK Modulated Digital Video/Audio
	28350.0000 - 28600.0000 MHz	36M0G7W	85.00 dBW	PSK Modulated Digital Video/Audio
	29250.0000 - 30000.0000 MHz	36M0G7W	85.00 dBW	PSK Modulated Digital Video/Audio
	18300.0000 - 18305.0000 MHz	106KG9D	0.00 dBW	Phase Modulated Satellite Telemetry
	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)
29490.0000 - 29500.0000 MHz	1M30F9D	76.00 dBW	Multi-tone Frequency Modulated Command Carrier (Clear Sky)
29490.0000 - 29500.0000 MHz	1M30F9D	91.00 dBW	Multi-tone Frequency Modulated Command Carrier (Max Faded)
29250.0000 - 29260.0000 MHz	160KF3N	76.00 dBW	Multi-tone frequency modulated pointing beacon (clear sky)
29250.0000 - 29260.0000 MHz	160KF3N	91.00 dBW	Multi-tone frequency modulated pointing beacon (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	50.00 dBW	Multi-tone Frequency Modulated Command Carrier (Clear Sky)
29525.0000 - 29535.0000 MHz	25K0N0N	75.80 dBW	Pointing beacon (max faded)
29525.0000 - 29535.0000 MHz	25K0N0N	50.00 dBW	Pointing beacon (clear sky)
28350.0000 - 28360.0000 MHz	800KF2D	91.00 dBW	Multi-tone Frequency Modulated Command Carrier (Max Faded)
28350.0000 - 28360.0000 MHz	800KF2D	76.00 dBW	Multi-tone Frequency Modulated Command Carrier (clear sky)
19700.0000 - 19710.0000 MHz	106KG9D	0.00 dBW	Phase Modulated Satellite Telemetry
18790.0000 - 18800.0000 MHz	800KF2D	0.00 dBW	Frequency Modulated Satellite Telemetry

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 14 (2869) - (99.235 WL)
 - 1 - DIRECTV 8 (K) - (101 W.L.)
 - 1 - DIRECTV 9S - (101 W.L.)
 - 1 - SPACEWAY 1 - (103 W.L.)
 - 1 - SPACEWAY 2 - (99 W.L.)
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Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Earth Exploration Satellite Service

Denali 20020 LLC requests modification of its fixed earth station in Brewster, WA to add the Planet Labs (S2912) NGSO satellites as points of communication. AntennaID BREW-5 will be used to communicate with the satellites in the frequency bands 2055.345- 2056.655 MHz (Earth-to-space) and 8099.585- 8166.415 MHz (space-to-Earth). AntennaID UHF-Yagi will be used to communicate with the satellites in the 401.27- 401.33 MHz (space-to-Earth), and 449.97- 450.03 MHz (Earth-to-space) frequency ranges.

SITE ID: 1

LOCATION: P.O. BOX 430, 66C USEI DRIVE, OKANOGAN, BREWSTER, WA

48 ° 8 ' 48.80 " N LAT.

119 ° 42 ' 4.20 " W LONG.

ANTENNA ID:	BREW-5	7.6 meters	NEC		G2573C
	7071.9000 - 7073.9000 MHz		250KG2D		TT&C
	7071.9000 - 7073.9000 MHz		250KG9D		TT&C
	7071.2000 - 7071.2000 MHz		NON		AFC
	7068.3000 - 7068.5000 MHz		75K0G1W		SRMS TELEMETRY
	7068.3000 - 7068.5000 MHz		75K0G1D		SRMS TELEMETRY
	7068.3000 - 7068.5000 MHz		75K0G7W		SRMS TELEMETRY
	7068.3000 - 7068.5000 MHz		75K0G7D		SRMS TELEMETRY
	7017.3000 - 7017.5000 MHz		75K0G1W		SRMS TELEMETRY
	7017.3000 - 7017.5000 MHz		75K0G1D		SRMS TELEMETRY
	7017.3000 - 7017.5000 MHz		75K0G7W		SRMS TELEMETRY
	7017.3000 - 7017.5000 MHz		75K0G7D		SRMS TELEMETRY
	7015.1000 - 7015.1000 MHz		NON		AFC
	7011.0000 - 7013.0000 MHz		250KG2D		TT&C
	7011.0000 - 7013.0000 MHz		250KG9D		TT&C
	5242.5000 - 5244.5000 MHz		1M00F9D	66.00 dBW	TT&C-NORMAL OPERATION
	5242.5000 - 5244.5000 MHz		1M00F2D	66.00 dBW	TT&C-NORMAL OPERATION
	5242.5000 - 5244.5000 MHz		1M00F9D	81.00 dBW	TT&C-EMERGENCY ONLY
	5242.5000 - 5244.5000 MHz		1M00F2D	81.00 dBW	TT&C-EMERGENCY ONLY

5241.2000 - 5241.2000 MHz	NON	42.00 dBW	AFC
5237.3000 - 5238.2000 MHz	100KG1W	58.30 dBW	HPN COMMAND-DIGITAL
5237.3000 - 5238.2000 MHz	100KG1D	58.30 dBW	HPN COMMAND-DIGITAL
5237.3000 - 5238.2000 MHz	100KG7W	58.30 dBW	HPN COMMAND-DIGITAL
5237.3000 - 5238.2000 MHz	100KG7D	58.30 dBW	HPN COMMAND-DIGITAL
5236.9000 - 5237.3000 MHz	100KG1W	58.30 dBW	SRMS COMMAND-DIGITAL
5236.9000 - 5237.3000 MHz	100KG1D	58.30 dBW	SRMS COMMAND-DIGITAL
5236.9000 - 5237.3000 MHz	100KG7W	58.30 dBW	SRMS COMMAND-DIGITAL
5236.9000 - 5237.3000 MHz	100KG7D	58.30 dBW	SRMS COMMAND-DIGITAL
5186.7000 - 5187.1000 MHz	100KG1W	58.30 dBW	SRMS COMMAND-DIGITAL
5186.7000 - 5187.1000 MHz	100KG1D	58.30 dBW	SRMS COMMAND-DIGITAL
5186.7000 - 5187.1000 MHz	100KG7W	58.30 dBW	SRMS COMMAND-DIGITAL
5186.7000 - 5187.1000 MHz	100KG7D	58.30 dBW	SRMS COMMAND-DIGITAL
5185.8000 - 5186.7000 MHz	100KG1W	58.30 dBW	HPN COMMAND-DIGITAL
5185.8000 - 5186.7000 MHz	100KG1D	58.30 dBW	HPN COMMAND-DIGITAL
5185.8000 - 5186.7000 MHz	100KG7W	58.30 dBW	HPN COMMAND-DIGITAL
5185.8000 - 5186.7000 MHz	100KG7D	58.30 dBW	HPN COMMAND-DIGITAL
5185.1000 - 5185.1000 MHz	NON	42.00 dBW	AFC
5179.5000 - 5181.5000 MHz	1M00F9D	66.00 dBW	TT&C-NORMAL OPERATION
5179.5000 - 5181.5000 MHz	1M00F2D	66.00 dBW	TT&C-NORMAL OPERATION
5179.5000 - 5181.5000 MHz	1M00F9D	81.00 dBW	TT&C-EMERGENCY ONLY
5179.5000 - 5181.5000 MHz	1M00F2D	81.00 dBW	TT&C-EMERGENCY ONLY
8099.5850 - 8166.4150 MHz	66M8G1D	0.00 dBW	DIGITAL
8166.5850 - 8233.4150 MHz	66M8G1D		DIGITAL
2055.3450 - 2056.6550 MHz	1M31F1D	49.01 dBW	DIGITAL DATA CARRIER

ANTENNA ID: UHF_YAGI 2.7 meters M2 INC. 450CP34/400CP30

401.2700 - 401.3300 MHz	60K0F1D		DIGITAL
449.9700 - 450.0300 MHz	60K0F1D	25.48 dBW	DIGITAL

Points of Communication:

1 - FLOCK 1 (S2912) - (NGSO)

1 - ICO - (NGSO)

SES-MOD-20140630-00552 E E990065 Denali 20020, LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Earth Exploration Satellite Service

Denali 20020 LLC requests modification of its fixed earth station in Brewster, WA to add the Planet Labs (S2912) NGSO satellites as points of communication. AntennaID BREW-1 will be used to communicate with the satellites in the frequency bands 2055.345- 2056.655 MHz (Earth-to-space) and 8099.585- 8166.415 MHz (space-to-Earth). AntennaID UHF-Yagi will be used to communicate with the satellites in the 401.27- 401.33 MHz (space-to-Earth), and 449.97- 450.03 MHz (Earth-to-space) frequency ranges.

SITE ID: 1

LOCATION: P.O. BOX 430, 66C USEI DRIVE (BREW-1), OKANOGAN, BREWSTER, WA
 48 ° 8 ' 45.60 " N LAT. 119 ° 42 ' 0.40 " W LONG.

ANTENNA ID:	BREW-1	7.6 meters	NEC	G2573C
	7071.9000 - 7073.9000 MHz		250KG2D	TT&C
	7071.9000 - 7073.9000 MHz		250KG9D	TT&C
	7071.2000 - 7071.2000 MHz		NON	AFC
	7068.3000 - 7068.5000 MHz		75K0G1W	SRMS TELEMETRY
	7068.3000 - 7068.5000 MHz		75K0G1D	SRMS TELEMETRY
	7068.3000 - 7068.5000 MHz		75K0G7W	SRMS TELEMETRY
	7068.3000 - 7068.5000 MHz		75K0G7D	SRMS TELEMETRY
	7017.3000 - 7017.5000 MHz		75K0G1W	SRMS TELEMETRY
	7017.3000 - 7017.5000 MHz		75K0G1D	SRMS TELEMETRY
	7017.3000 - 7017.5000 MHz		75K0G7W	SRMS TELEMETRY
	7017.3000 - 7017.5000 MHz		75K0G7D	SRMS TELEMETRY
	7015.1000 - 7015.1000 MHz		NON	AFC
	7011.0000 - 7013.0000 MHz		250KG2D	TT&C

7011.0000 - 7013.0000 MHz	250KG9D		TT&C
5242.5000 - 5244.5000 MHz	1M00F9D	66.00 dBW	TT&C-NORMAL OPERATION
5242.5000 - 5244.5000 MHz	1M00F2D	66.00 dBW	TT&C-NORMAL OPERATION
5242.5000 - 5244.5000 MHz	1M00F9D	81.00 dBW	TT&C-EMERGENCY ONLY
5242.5000 - 5244.5000 MHz	1M00F2D	81.00 dBW	TT&C-EMERGENCY ONLY
5241.2000 - 5241.2000 MHz	NON	42.00 dBW	AFC
5237.3000 - 5238.2000 MHz	100KG1W	58.30 dBW	HPN COMMAND-DIGITAL
5237.3000 - 5238.2000 MHz	100KG1D	58.30 dBW	HPN COMMAND-DIGITAL
5237.3000 - 5238.2000 MHz	100KG7W	58.30 dBW	HPN COMMAND-DIGITAL
5237.3000 - 5238.2000 MHz	100KG7D	58.30 dBW	HPN COMMAND-DIGITAL
5236.9000 - 5237.3000 MHz	100KG1W	58.30 dBW	SRMS COMMAND-DIGITAL
5236.9000 - 5237.3000 MHz	100KG1D	58.30 dBW	SRMS COMMAND-DIGITAL
5236.9000 - 5237.3000 MHz	100KG7W	58.30 dBW	SRMS COMMAND-DIGITAL
5236.9000 - 5237.3000 MHz	100KG7D	58.30 dBW	SRMS COMMAND-DIGITAL
5186.7000 - 5187.1000 MHz	100KG1W	58.30 dBW	SRMS COMMAND-DIGITAL
5186.7000 - 5187.1000 MHz	100KG1D	58.30 dBW	SRMS COMMAND-DIGITAL
5186.7000 - 5187.1000 MHz	100KG7W	58.30 dBW	SRMS COMMAND-DIGITAL
5186.7000 - 5187.1000 MHz	100KG7D	58.30 dBW	SRMS COMMAND-DIGITAL
5185.8000 - 5186.7000 MHz	100KG1W	58.30 dBW	HPN COMMAND-DIGITAL
5185.8000 - 5186.7000 MHz	100KG1D	58.30 dBW	HPN COMMAND-DIGITAL
5185.8000 - 5186.7000 MHz	100KG7W	58.30 dBW	HPN COMMAND-DIGITAL
5185.8000 - 5186.7000 MHz	100KG7D	58.30 dBW	HPN COMMAND-DIGITAL
5185.1000 - 5185.1000 MHz	NON	42.00 dBW	AFC
5179.5000 - 5181.5000 MHz	1M00F2D	66.00 dBW	TT&C-NORMAL OPERATION
5179.5000 - 5181.5000 MHz	1M00F9D	81.00 dBW	TT&C-EMERGENCY ONLY
5179.5000 - 5181.5000 MHz	1M00F2D	81.00 dBW	TT&C-EMERGENCY ONLY

5179.5000 - 5181.5000 MHz	1M00F9D	66.00 dBW	TT&C-NORMAL OPERATION
2055.3450 - 2056.6550 MHz	1M31F1D	49.01 dBW	DIGITAL DATA CARRIER: TT&C. MSK
8166.5850 - 8233.4150 MHz	66M8G1D		DIGITAL: PAYLOAD (DATA), TT&C. QPSK AND 8-PSK
8099.5850 - 8166.4150 MHz	66M8G1D		DIGITAL: PAYLOAD (DATA), TT&C. QPSK AND 8-PSK

SITE ID: Antenna 2 (UHF)
LOCATION: P.O. BOX 430, 66C USEI DRIVE (UHF-YAGI), OKANOGAN, BREWSTER, WA
48 ° 8 ' 45.10 " N LAT. 119 ° 42 ' 4.60 " W LONG.

ANTENNA ID: UHF-YAGI 2.7 meters M2 INC 450CP34/400CP30

449.9700 - 450.0300 MHz	60K0F1D	25.48 dBW	DIGITAL: TT&C. GFSK
401.2700 - 401.3300 MHz	60K0F1D		DIGITAL: TT&C. GFSK

SITE ID: Antenna 1 (S/X-BAND)
LOCATION: P.O. BOX 430, 66C USEI DRIVE (BREW-1), OKANOGAN, BREWSTER, WA
48 ° 8 ' 45.10 " N LAT. 119 ° 42 ' 4.60 " W LONG.

ANTENNA ID: BREW-1 7.6 meters NEC G2573C

Points of Communication:

- 1 - ICO - (NGSO)
- Antenna 1 (S/X-BAND) - FLOCK 1 (S2912) - (NGSO)
- Antenna 2 (UHF) - FLOCK 1 (S2912) - (NGSO)

SES-MOD-20140630-00553 E E990066 Denali 20020, LLC
Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Earth Exploration Satellite Service

Denali 20020 LLC requests modification of its fixed earth station in Brewster, WA to add the Planet Labs (S2912) NGSO satellites as points of communication. AntennaID BREW-2 will be used to communicate with the satellites in the frequency bands 2055.345-2056.655 MHz (Earth-to-space) and 8099.585-8166.415 MHz (space-to-Earth). AntennaID UHF-Yagi will be used to communicate with the satellites in the 401.27-401.33 MHz (space-to-Earth), and 449.97-450.03 MHz (Earth-to-space) frequency ranges.

SITE ID: 1
LOCATION: P.O. BOX 430, 66C USEI DRIVE, OKANOGAN, BREWSTER, WA
48 ° 8 ' 44.00 " N LAT. 119 ° 42 ' 9.20 " W LONG.

ANTENNA ID: BREW-2 7.6 meters NEC G2573C
7071.9000 - 7073.9000 MHz 250KG2D TT&C

7071.9000 - 7073.9000 MHz	250KG9D		TT&C
7071.2000 - 7071.2000 MHz	NON		AFC
7068.3000 - 7068.5000 MHz	75K0G1W		SRMS TELEMETRY
7068.3000 - 7068.5000 MHz	75K0G1D		SRMS TELEMETRY
7068.3000 - 7068.5000 MHz	75K0G7W		SRMS TELEMETRY
7068.3000 - 7068.5000 MHz	75K0G7D		SRMS TELEMETRY
7017.3000 - 7017.5000 MHz	75K0G1W		SRMS TELEMETRY
7017.3000 - 7017.5000 MHz	75K0G1D		SRMS TELEMETRY
7017.3000 - 7017.5000 MHz	75K0G7W		SRMS TELEMETRY
7017.3000 - 7017.5000 MHz	75K0G7D		SRMS TELEMETRY
7015.1000 - 7015.1000 MHz	NON		AFC
7011.0000 - 7013.0000 MHz	250KG2D		TT&C
7011.0000 - 7013.0000 MHz	250KG9D		TT&C
5242.5000 - 5244.5000 MHz	1M00F2D	81.00 dBW	TT&C-EMERGENCY ONLY
5242.5000 - 5244.5000 MHz	1M00F9D	81.00 dBW	TT&C-EMERGENCY ONLY
5242.5000 - 5244.5000 MHz	1M00F2D	66.00 dBW	TT&C-NORMAL OPERATION
5242.5000 - 5244.5000 MHz	1M00F9D	66.00 dBW	TT&C-NORMAL OPERATION
5241.2000 - 5241.2000 MHz	NON	42.00 dBW	AFC
5237.3000 - 5238.2000 MHz	100KG1W	58.30 dBW	HPN COMMAND-DIGITAL
5237.3000 - 5238.2000 MHz	100KG1D	58.30 dBW	HPN COMMAND-DIGITAL
5237.3000 - 5238.2000 MHz	100KG7W	58.30 dBW	HPN COMMAND-DIGITAL
5237.3000 - 5238.2000 MHz	100KG7D	58.30 dBW	HPN COMMAND-DIGITAL
5236.9000 - 5237.3000 MHz	100KG1W	58.30 dBW	SRMS COMMAND-DIGITAL
5236.9000 - 5237.3000 MHz	100KG1D	58.30 dBW	SRMS COMMAND-DIGITAL
5236.9000 - 5237.3000 MHz	100KG7W	58.30 dBW	SRMS COMMAND-DIGITAL
5236.9000 - 5237.3000 MHz	100KG7D	58.30 dBW	SRMS COMMAND-DIGITAL

5186.7000 - 5187.1000 MHz	100KG1W	58.30 dBW	SRMS COMMAND-DIGITAL
5186.7000 - 5187.1000 MHz	100KG1D	58.30 dBW	SRMS COMMAND-DIGITAL
5186.7000 - 5187.1000 MHz	100KG7W	58.30 dBW	SRMS COMMAND-DIGITAL
5186.7000 - 5187.1000 MHz	100KG7D	58.30 dBW	SRMS COMMAND-DIGITAL
5185.8000 - 5186.7000 MHz	100KG1W	58.30 dBW	HPN COMMAND-DIGITAL
5185.8000 - 5186.7000 MHz	100KG1D	58.30 dBW	HPN COMMAND-DIGITAL
5185.8000 - 5186.7000 MHz	100KG7W	58.30 dBW	HPN COMMAND-DIGITAL
5185.8000 - 5186.7000 MHz	100KG7D	58.30 dBW	HPN COMMAND-DIGITAL
5185.1000 - 5185.1000 MHz	NON	42.00 dBW	AFC
5179.5000 - 5181.5000 MHz	1M00F2D	81.00 dBW	TT&C-EMERGENCY ONLY
5179.5000 - 5181.5000 MHz	1M00F2D	66.00 dBW	TT&C-NORMAL OPERATION
5179.5000 - 5181.5000 MHz	1M00F9D	66.00 dBW	TT&C-NORMAL OPERATION
5179.5000 - 5181.5000 MHz	1M00F9D	81.00 dBW	TT&C-EMERGENCY ONLY
2055.3450 - 2056.5500 MHz	1M31F1D	49.01 dBW	DIGITAL DATA CARRIER
8099.5850 - 8166.4150 MHz	66M8G1D		DIGITAL
8166.5850 - 8233.4150 MHz	66M8G1D		DIGITAL
ANTENNA ID: UHF-YAGI			
449.9700 - 450.0300 MHz	60K0F1D	25.48 dBW	DIGITAL
401.2700 - 401.3300 MHz	60K0F1D		DIGITAL

Points of Communication:

1 - FLOCK 1 (S2912) - (NGSO)

1 - ICO - (NGSO)

SES-MOD-20140902-00689 E E050112 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, Inc. requests modification of its fixed earth station in Castle Rock, CO to add the DIRECTV 9S satellite at the 101° W.L. orbital location and DIRECTV 14 satellite at the 99.235° W.L. orbital location as points of communication in the 29.25-30.0 GHz (Earth-to-space), 28.35-28.60 GHz (Earth-to-space) and 19.7-20.2 GHz and 18.3-18.8 GHz (space-to-Earth) frequency bands. DIRECTV Enterprises, Inc. also proposes to add a pointing beacon for the DIRECTV 14 satellite in the 29.665-30.0 GHz (Earth-to-space) frequency band.

SITE ID: 1
 LOCATION: 5454 GARTON ROAD (CRBC), DOUGLAS, CASTLE ROCK, CO
 39 ° 16 ' 39.00 " N LAT. 104 ° 48 ' 27.50 " W LONG.

ANTENNA ID:	CKA-8	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	22M6G7W	80.80 dBW	QPSK, MCPC VIDEO / DATA
	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	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	22M6G7W	80.80 dBW	QPSK, MCPC VIDEO / DATA
	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	54M0G7W	81.10 dBW	QPSK, MCPC VIDEO
	28350.0000 - 28600.0000 MHz	36M0G7W	81.10 dBW	QPSK, MCPC VIDEO
	28350.0000 - 28600.0000 MHz	24M0G7W	81.10 dBW	QPSK, MCPC VIDEO
	19700.0000 - 20200.0000 MHz	8M50G7W		QPSK, MCPC / SCPC DATA / VIDEO
	19700.0000 - 20200.0000 MHz	14M1G7W		QPSK, MCPC / SCPC DATA / VIDEO
	19700.0000 - 20200.0000 MHz	22M6G7W		QPSK, MCPC VIDEO / DATA

19700.0000 - 20200.0000 MHz	5M70G1W		QPSK, SCPC DATA / VIDEO
19700.0000 - 20200.0000 MHz	2M90G1W		QPSK, SCPC DATA / VIDEO
19700.0000 - 20200.0000 MHz	2M20G1W		QPSK, SCPC DATA / VIDEO
19700.0000 - 20200.0000 MHz	54M0G7W		QPSK, MCPC VIDEO
19700.0000 - 20200.0000 MHz	36M0G7W		QPSK, MCPC VIDEO
19700.0000 - 20200.0000 MHz	24M0G7W		QPSK, MCPC VIDEO
18300.0000 - 18800.0000 MHz	8M50G7W		QPSK, MCPC / SCPC DATA / VIDEO
18300.0000 - 18800.0000 MHz	14M1G7W		QPSK, MCPC / SCPC DATA / VIDEO
18300.0000 - 18800.0000 MHz	5M70G1W		QPSK, SCPC DATA / VIDEO
18300.0000 - 18800.0000 MHz	2M90G1W		QPSK, SCPC DATA / VIDEO
18300.0000 - 18800.0000 MHz	2M20G1W		QPSK, SCPC DATA / VIDEO
18300.0000 - 18800.0000 MHz	22M6G7W		QPSK, MCPC VIDEO / DATA
18300.0000 - 18800.0000 MHz	54M0G7W		QPSK, MCPC VIDEO
18300.0000 - 18800.0000 MHz	36M0G7W		QPSK, MCPC VIDEO
18300.0000 - 18800.0000 MHz	24M0G7W		QPSK, MCPC VIDEO
29995.0000 - 30000.0000 MHz	NON	73.00 dBW	UNMODULATED POINTING BEACON

Points of Communication:

1 - DIRECTV 14 (2869) - (99.235 WL)

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

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

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

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

SES-MOD-20140911-00709 E E060244 L3 Communications IEC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

L3 Communications IEC requests modification of its fixed earth station in Point Mugu, CA to add two 2.4-meter antennas that will communicate with ALSAT-designated satellites in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.

SITE ID: 1
 LOCATION: 531 I Avenue Building 531, Ventura, Point Mugu, CA
 34 ° 6 ' 43.00 " N LAT. 119 ° 7 ' 21.40 " W LONG.

ANTENNA ID:	2	2.4 meters	Patriot	TX-FCC240KUS
14000.0000 - 14500.0000 MHz	65K1G7D	42.29 dBW	QPSK - Digital Data; E48 data obtained using SATMASTER PRO; See attachment for E49 calculation	
14000.0000 - 14500.0000 MHz	195KG7D	47.06 dBW	QPSK - Digital Data; E48 data obtained using SATMASTER PRO; See attachment for E49 calculation	
14000.0000 - 14500.0000 MHz	521KG7D	51.32 dBW	QPSK - Digital Data; E48 data obtained using SATMASTER PRO; See attachment for E49 calculation	
14000.0000 - 14500.0000 MHz	781KG1F	53.08 dBW	QPSK - Composite Video feed; E48 data obtained using SATMASTER PRO; See attachment for E49 calculation	
11700.0000 - 12200.0000 MHz	65K1G7D	0.00 dBW	QPSK - Digital Data	
11700.0000 - 12200.0000 MHz	195KG7D	0.00 dBW	QPSK - Digital Data	
11700.0000 - 12200.0000 MHz	521KG7D	0.00 dBW	QPSK - Digital Data	
11700.0000 - 12200.0000 MHz	781KG1F	0.00 dBW	QPSK - Composite Video feed	

ANTENNA ID:	1	2.4 meters	Patriot	TX-FCC240KUS
14000.0000 - 14500.0000 MHz	781KG1F	53.08 dBW	QPSK - Composite Video feed; E48 data obtained using SATMASTER PRO; See attachment for E49 calculation	
14000.0000 - 14500.0000 MHz	521KG7D	51.32 dBW	QPSK - Digital Data; E48 data obtained using SATMASTER PRO; See attachment for E49 calculation.	
14000.0000 - 14500.0000 MHz	65K1G7D	42.29 dBW	QPSK - Digital Data; E48 data obtained using SATMASTER PRO; See attachment for E49 calculation.	
14000.0000 - 14500.0000 MHz	195KG7D	47.06 dBW	QPSK - Digital Data; E48 data obtained using SATMASTER PRO; See attachment for E49 calculation.	
11700.0000 - 12200.0000 MHz	65K1G7D	0.00 dBW	QPSK - Digital Data	
11700.0000 - 12200.0000 MHz	195KG7D	0.00 dBW	QPSK - Digital Data	
11700.0000 - 12200.0000 MHz	521KG7D	0.00 dBW	QPSK - Digital Data	
11700.0000 - 12200.0000 MHz	781KG1F	0.00 dBW	QPSK - Composite Video feed	

ANTENNA ID:	3	2.4 meters	NORSAT INT'L	SIGMALINK
14000.0000 - 14500.0000 MHz		2M08G7W	61.20 dBW	DIGITAL TRAFFIC WITH VARIOUS DATA RATES, FEC, AND INFORMATON TYPES
14000.0000 - 14500.0000 MHz		2M43G1W	61.20 dBW	DIGITAL TRAFFIC WITH VARIOUS DATA RATES, FEC, AND INFORMATON TYPES
14000.0000 - 14500.0000 MHz		76K0G7W	48.00 dBW	DIGITAL TRAFFIC WITH VARIOUS DATA RATES, FEC, AND INFORMATON TYPES
14000.0000 - 14500.0000 MHz		97K0G7W	49.00 dBW	DIGITAL TRAFFIC WITH VARIOUS DATA RATES, FEC, AND INFORMATON TYPES
11700.0000 - 12200.0000 MHz		2M08G7W		DIGITAL TRAFFIC WITH VARIOUS DATA RATES, FEC, AND INFORMATON TYPES
11700.0000 - 12200.0000 MHz		2M43G1W		DIGITAL TRAFFIC WITH VARIOUS DATA RATES, FEC, AND INFORMATON TYPES
11700.0000 - 12200.0000 MHz		76K0G7W		DIGITAL TRAFFIC WITH VARIOUS DATA RATES, FEC, AND INFORMATON TYPES
11700.0000 - 12200.0000 MHz		97K0G7W		DIGITAL TRAFFIC WITH VARIOUS DATA RATES, FEC, AND INFORMATON TYPES

Points of Communication:

1 - ALSAT - (ALSAT)

For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 202-418-2555.