

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WL2XAI

(Call Sign)

0266-EX-CN-2020

(File Number)

NAME EMS Technologies Canada, LTD.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

(1)

Frequency Information

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	MO	7M34G7W 0M46G7W 5M00G1W	39811 W (ERP)	0.06 %

Special Conditions:

- (1) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Stop buzzer: Niklaus Wendzich
Phone Number: (613) 595-7770
E-Mail Address: niklaus.wendzich@honeywell.com

This authorization effective June 09, 2020 and
will expire 3:00 A.M. EST December 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) Point of Communication: Inmarsat-5 (I-5 F2) satellite at 55 degrees West
- (5) Area of operation is only authorized within 2100.00 km, centered around NL 39-00-44; WL 98-29-03.

Special Conditions:

- (6) For transmission from ground stations to Inmarsat-5 (I-5 F2) satellite in the 29-31 GHz band (Earth-to-Space), prior to commencing any operations in the 29-30 GHz frequency band, the applicant must notify the earth station licensees listed below of its test dates and provide a stop buzzer in case of interference:

Parameters: Latitude=39° 00' 44", Longitude=98° 29' 03":

Call Sign: E050122 File Number: SES-LIC-20050427-00503

Licensee: DIRECTV Enterprises, LLC

ATTN: Ms Jacquelyne Flemming

Phone: 2024573032 x Fax: E-Mail: jackie.flemming@att.com

Counsel: Wiley Rein LLP

ATTN:

Phone: (202) 719-4975 Fax: E-Mail:

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

339.64 39° 16' 38.5" N NAD83
104° 48' 26.0" W
5454 GARTON ROAD
CASTLE ROCK, CO
DON JONES 303-660-7001 2096.0 00029500.00000000 T
00030000.00000000

Call Sign: E140057 File Number: SES-LIC-20140617-00524

Licensee: DIRECTV Enterprises, LLC

ATTN: Ms Jacquelyne Flemming

Phone: 2024573032 x Fax: E-Mail: jackie.flemming@att.com

Counsel: Wiley Rein LLP

ATTN:

Phone: (202) 719-4975 Fax: E-Mail:

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

Spec: 339.71 39° 16' 39.6" N NAD83

104° 48' 31.0" W

5454 Garton Road

Castle Rock, CO

Don Jones 303-660-7001 2100.0 00029250.00000000 T

00029260.00000000

00029250.00000000 T

00030000.00000000

00029490.00000000 T

00029500.00000000

00029500.00000000 T

00029515.00000000

00029525.00000000 T

00029535.00000000

Call Sign: E020242 File Number: SES-RWL-20171024-01197

Licensee: DIRECTV Enterprises, LLC

ATTN: Ms Jacquelyne Flemming

Phone: 2024573032 x Fax: E-Mail: jackie.flemming@att.com

Counsel: Wiley Rein LLP

ATTN:

Phone: 2027194975 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Specific
Contact Information
Elevation
AMSL
Frequency Lo/
Frequency Hi

351.89 39° 30' 48.5" N NAD83
105° 1' 26.9" W
7235 W. TITAN ROAD
LITTLETON, CO
DAVE SULLIVAN (303) 486-3902 1688.42 00029500.00000000 T
00030000.00000000

Call Sign: E170140 File Number: SES-LIC-20170726-00807

Licensee: SES Americom, Inc.
ATTN: Ms Petra A Vorwig
Phone: 202-478-7143 Fax: 202-478-7111 E-Mail: petra.vorwig@ses.com

Counsel: SES AMERICOM, INC.
ATTN:
Phone: 609 987 4327 Fax: E-Mail:

Distance
Latitude
Longitude
Site Address/
Contact Information
Elevation
AMSL
Frequency Lo/
Frequency Hi

452.94 32° 34' 41.75" N NAD83
96° 58' 57.2" W
777 Westar Lane
Cedar Hill, TX
Clark McFadden 19722939500 201.32 00029500.00000000 T
00030000.00000000

Phone: 301-428-5893 Fax: E-Mail:

Distance
Latitude
Longitude
Site Address/
Contact Information
Elevation
AMSL
Frequency Lo/
Frequency Hi

339.83 39° 16' 34.34" N NAD83
104° 40' 30.0" W

Spec 104 40 39.0 vv
5281 EAST GARTON ROAD
CASTLE ROCK, CO
NETWORK MANAGEMENT CENTER 3014287205 2096.2
00029500.00000000 T
00029515.00000000

00029500.00000000 T
00029535.00000000

Call Sign: E050286 File Number: SES-MFS-20140924-00755

Licensee: DIRECTV Enterprises, LLC
ATTN: Ms Jacquelyne Flemming
Phone: 2024573032 x Fax: E-Mail: jackie.flemming@att.com

Counsel: Wiley Rein LLP
ATTN:
Phone: (202) 719-4975 Fax: E-Mail:

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

343.55 39° 33' 36.9" N NAD83
104° 51' 47.6" W
370 Inverness Drive South
Englewood, CO
Adam Seskin 303-660-7118 1770.9 00029250.00000000 T
00030000.00000000

Call Sign: E080026 File Number: SES-MOD-20171012-01147

Licensee: DIRECTV Enterprises, LLC
ATTN: Ms Jacquelyne Flemming
Phone: 2024573032 x Fax: E-Mail: jackie.flemming@att.com

Counsel: Wiley Rein LLP
ATTN:
Phone: 202-719-4975 Fax: E-Mail:

Speci

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

343.55 39° 33' 36.8" N NAD83
104° 51' 47.7" W
370 Inverness Drive South
Englewood, CO
Bob Levin 303-660-7118 1773.9 00029250.00000000 T
00030000.00000000

Call Sign: E120110File Number: SES-LIC-20120621-00605

Licensee: DIRECTV Enterprises, LLC
ATTN: Ms Jacquelyne Flemming
Phone: 2024573032 x Fax: E-Mail: jackie.flemming@att.com

Counsel: Wiley Rein LLP
ATTN:
Phone: (202) 719-4975 Fax: E-Mail:

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

343.55 39° 33' 38.3" N NAD83
104° 51' 47.6" W
370 INVERNESS DRIVE SOUTH
ENGLEWOOD, CO
BOB LEVIN 303-660-7018 1772.7 00029250.00000000 T
00030000.00000000

Call Sign: E110048File Number: SES-LIC-20110328-00379

Licensee: ViaSat, Inc.
ATTN: Mr Daryl T Hunter
Phone: 760-476-2583 Fax: 760-929-3941 E-Mail: daryl.hunter@viasat.com

Counsel: VIASAT, INC.
ATTN:
Phone: 760-476-2583 Fax: E-Mail:

Speci

DistanceLatitude
 LongitudeSite Address/
 Contact InformationElevation
 AMSLFrequency Lo/
 Frequency Hi

343.56 39° 32' 57.78" N NAD83
 104° 51' 52.08" W
 9471 S. Jamaica St.
 Englewood, CO
 Daryl T. Hunter 1-888-272-7232 1787.95 00028100.00000000 T
 00029100.00000000

00029500.00000000 T
 00030000.00000000

Call Sign: E160093File Number: SES-LIC-20160610-00523

Licensee: ViaSat, Inc.
 ATTN: Mr Daryl T Hunter
 Phone: 760-476-2583 Fax: 760-929-3941 E-Mail: daryl.hunter@viasat.com

Counsel: SAME AS APPLICANT
 ATTN:
 Phone: 760-476-2583 Fax: E-Mail:

DistanceLatitude
 LongitudeSite Address/
 Contact InformationElevation
 AMSLFrequency Lo/
 Frequency Hi

343.57 39° 32' 57.3" N NAD83
 104° 51' 52.4" W
 9174 South Jamaica St.
 Englewood, CO
 Daryl T Hunter 760-476-2583 1789.0 00027600.00000000 T
 00029100.00000000

Speci 00029500.00000000 T
00030000.00000000

Call Sign: E020242File Number: SES-RWL-20171024-01197

Licensee: DIRECTV Enterprises, LLC
ATTN: Ms Jacquelyne Flemming
Phone: 2024573032 x Fax: E-Mail: jackie.flemming@att.com

Counsel: Wiley Rein LLP
ATTN:
Phone: 2027194975 Fax: E-Mail:

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

351.89 39° 30' 48.5" N NAD83
105° 1' 26.9" W
7235 W. TITAN ROAD
LITTLETON, CO
DAVE SULLIVAN (303) 486-3902 1688.42 00029500.00000000 T
00030000.00000000

Call Sign: E150077File Number: SES-MOD-20170418-00414

Licensee: HNS License Sub, LLC
ATTN: Jennifer Manner
Phone: 301-428-5893 Fax: 301-428-2818 E-Mail: jennifer.manner@echostar.com

Counsel: HNS LICENSE SUB, LLC
ATTN:
Phone: 301-428-5893 Fax: E-Mail:

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

361.89 41° 7' 54.4" N NAD83
104° 44' 13.9" W
530 Echostar Drive
Cheyenne, WY

Cheyenne, WY
Spec:

Network Management Ctr 301-428-7205 1811.9 00027850.00000000 T
00029100.00000000

00029250.00000000 T
00030000.00000000

Call Sign: E170164 File Number: SES-LIC-20170807-00889

Licensee: HNS License Sub, LLC

ATTN: Jennifer A. Manner

Phone: 301-428-5893 Fax: 301-428-2818 E-Mail: jennifer.manner@echostar.com

Counsel: Hughes Network Systems, LLC

ATTN:

Phone: 301-428-5893 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

361.91 41° 7' 54.5" N NAD83

104° 44' 15.2" W

530 EchoStar Drive

Cheyenne, WY

Hughes Network Management Center 301-428-7205 1812.49

00028100.00000000 T

00029100.00000000

Call Sign: E010151 File Number: SES-RWL-20120130-00105

Licensee: ViaSat, Inc.

ATTN: Daryl T. Hunter

Phone: 760-476-2583 Fax: 760-929-3941 E-Mail: daryl.hunter@viasat.com

Counsel: VIASAT, INC.

ATTN:

Phone: 760-476-2583 Fax: E-Mail:

DistanceLatitude

Special
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

361.93 41° 7' 51.6" N NAD83
104° 44' 17.9" W
460 PROGRESS CIRCLE
CHEYENNE, WY
DARYL T. HUNTER 760-476-2583 1812.0 00029250.00000000 T
00029500.00000000

00029500.00000000 T
00030000.00000000

Call Sign: E030038File Number: SES-RWL-20180515-00628

Licensee: DISH Broadcasting Corporation
ATTN: Ms Alison Minea
Phone: 202-463-3709 Fax: E-Mail: Alison.Minea@dish.com

Counsel: SAME AS APPLICANT
ATTN:
Phone: 202-463-3709 Fax: E-Mail:

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

361.94 41° 7' 56.8" N NAD83
104° 44' 16.2" W
530 EHOSTAR DRIVE
CHEYENNE, WY
SCOTT THUMS 3076335750 1810.51 00029500.00000000 T
00030000.00000000

Call Sign: E160111File Number: SES-LIC-20160610-00541

Licensee: ViaSat, Inc.
ATTN: Mr Daryl T Hunter
Phone: 760-476-2583 Fax: 760-929-3941 E-Mail: daryl.hunter@viasat.com

Speci

Counsel: SAME AS APPLICANT

ATTN:

Phone: 760-476-2583 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

425.44 44° 4' 20.7" N NAD83

103° 9' 38.2" W

1401 Concourse Drive

Rapid City, SD

Daryl T Hunter 760-476-2583 976.0 00027600.00000000 T

00029100.00000000

00029500.00000000 T

00030000.00000000

Call Sign: E170159File Number: SES-LIC-20170807-00884

Licensee: HNS License Sub, LLC

ATTN: Jennifer A. Manner

Phone: 301-428-5893 Fax: 301-428-2818 E-Mail: jennifer.manner@echostar.com

Counsel: Hughes Network Systems, LLC

ATTN:

Phone: 301-428-5893 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

428.92 36° 23' 16.0" N NAD83

105° 35' 16.5" W

201 Camino de la Merced

Taos, NM

Hughes Network Management Center 301-428-7205 2111.62

00028100.00000000 T

Spec: 00029100.00000000

Call Sign: E110015 File Number: SES-LIC-20110211-00150

Licensee: ViaSat, Inc.

ATTN: Mr Daryl T Hunter, P.E.

Phone: 760-476-2583 Fax: 760-929-3941 E-Mail: daryl.hunter@viasat.com

Counsel: VIASAT, INC.

ATTN:

Phone: 760-476-2583 Fax: E-Mail:

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

437.06 44° 11' 17.11" N NAD83

103° 20' 11.7" W

Liberty

Summerset, SD

Daryl T. Hunter 1-888-272-7232 1108.862 00028100.00000000 T

00029100.00000000

00029500.00000000 T

00029504.00000000

00029500.00000000 T

00030000.00000000

00029999.00000000 T

00030000.00000000

Call Sign: E160102 File Number: SES-MOD-20180720-02560

Speci

Licensee: ViaSat, Inc.

ATTN: Mr Daryl T Hunter

Phone: 760-476-2583 Fax: 760-929-3941 E-Mail: daryl.hunter@viasat.com

Counsel: LATHAM & WATKINS LLP

ATTN:

Phone: 202-637-1056 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

441.01 38° 11' 45.4" N NAD83

90° 23' 24.7" W

1015 Airport Rd.

Festus, MO

Daryl T Hunter 760-476-2583 134.9 00027600.00000000 T

00029100.00000000

00029500.00000000 T

00030000.00000000

Call Sign: E160101File Number: SES-MOD-20171221-01368

Licensee: ViaSat, Inc.

ATTN: Christopher J. Murphy

Phone: 760-893-3269 Fax: E-Mail: Christopher.murphy@viasat.com

Counsel: LATHAM & WATKINS LLP

ATTN:

Phone: 202-637-1056 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

452.56 34° 45' 44.56" N NAD83

92° 15' 36.14" W

912 North Pine St

Special North Little Rock, AR

Daryl T Hunter 760-476-2583 76.0 00027600.00000000 T
00029100.00000000

00029500.00000000 T
00030000.00000000

Call Sign: E170140 File Number: SES-LIC-20170726-00807

Licensee: SES Americom, Inc.

ATTN: Ms Petra A Vorwig

Phone: 202-478-7143 Fax: 202-478-7111 E-Mail: petra.vorwig@ses.com

Counsel: SES AMERICOM, INC.

ATTN:

Phone: 609 987 4327 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

452.94 32° 34' 41.75" N NAD83

96° 58' 57.2" W

777 Westar Lane

Cedar Hill, TX

Clark McFadden 19722939500 201.32 00029500.00000000 T
00030000.00000000

Call Sign: E160090 File Number: SES-LIC-20160610-00519

Licensee: ViaSat, Inc.

ATTN: Mr Daryl T Hunter

Phone: 760-476-2583 Fax: 760-929-3941 E-Mail: daryl.hunter@viasat.com

Counsel: SAME AS APPLICANT

ATTN:

Phone: 760-476-2583 Fax: E-Mail:

DistanceLatitude

Special
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

471.19 32° 22' 1.36" N NAD83
96° 38' 15.28" W
3910 W Interstate 45 Service Road
Ennis, TX
Daryl T Hunter 760-476-2583 155.0 00027600.00000000 T
00029100.00000000

00029500.00000000 T
00030000.00000000

Call Sign: E160107File Number: SES-MOD-20180720-01989

Licensee: ViaSat, Inc.
ATTN: Mr Daryl T Hunter
Phone: 760-476-2583 Fax: 760-929-3941 E-Mail: daryl.hunter@viasat.com

Counsel: LATHAM & WATKINS LLP
ATTN:
Phone: 202-637-1056 Fax: E-Mail:

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

475.54 44° 51' 7.5" N NAD83
93° 36' 1.2" W
3500 Lyman Blvd
Chaska, MN
Daryl T Hunter 760-476-2583 308.8 00027600.00000000 T
00029100.00000000

00029500.00000000 T
00030000.00000000

Speci

Call Sign: E070074 File Number: SES-MOD-20171012-01148

Licensee: DIRECTV Enterprises, LLC

ATTN: Ms Jacquelyne Flemming

Phone: 2024573032 x Fax: E-Mail: jackie.flemming@att.com

Counsel: Wiley Rein LLP

ATTN:

Phone: 202-719-4975 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

500.86 45° 19' 40.5" N NAD83

93° 41' 49.4" W

16815 197th Ave. NW

Big Lake, MN

Don Jones 303-660-7001 283.2 00029250.00000000 T

00030000.00000000

Call Sign: E070073 File Number: SES-MFS-20140924-00763

Licensee: DIRECTV Enterprises, LLC

ATTN: Ms Jacquelyne Flemming

Phone: 2024573032 x Fax: E-Mail: jackie.flemming@att.com

Counsel: Wiley Rein LLP

ATTN:

Phone: (202) 719-4975 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

500.97 44° 59' 35.2" N NAD83

92° 58' 43.5" W

6287 32nd St. North

Oakdale, MN

Don Jones 303-660-7001 304.6 00029250.00000000 T

00030000.00000000

Speci

Call Sign: E120072File Number: SES-LIC-20120426-00397

Licensee: Inmarsat Inc.

ATTN: Diane J Cornell

Phone: 202.248.5155 Fax: 202.248.5186 E-Mail: diane.cornell@inmarsat.com

Counsel: INMARSAT

ATTN:

Phone: 202.248.5158 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

505.46 45° 7' 56.0" N NAD83

93° 5' 44.0" W

6221 Holly Drive

Lino Lakes, MN

Jay LaPrise 203-9656309/6672571 273.47 00028000.00000000 T

00029500.00000000

00029100.00000000 T

00030000.00000000

00029250.00000000 T

00029500.00000000

00029467.00000000 T

00029469.00000000

00029493.00000000 T

00029495.00000000
Speci

00029504.50000000 T
00029509.50000000

T

Call Sign: E170142 File Number: SES-LIC-20170726-00809

Licensee: SES Americom, Inc.
ATTN: Ms Petra A Vorwig
Phone: 202-478-7143 Fax: 202-478-7111 E-Mail: petra.vorwig@ses.com

Counsel: SES AMERICOM, INC.
ATTN:
Phone: 1 609 987 4327 Fax: E-Mail:

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

628.64 46° 49' 37.64" N NAD83
92° 7' 48.47" W
3401 Technology Dr
Duluth, MN
Beth Jeanetta 12187333401 416.28 00029500.00000000 T

Call Sign: E170143 File Number: SES-LIC-20170726-00810

Licensee: SES Americom, Inc.
ATTN: Ms Petra A Vorwig
Phone: 202-478-7143 Fax: 202-478-7111 E-Mail: petra.vorwig@ses.com

Special Counsel: SES AMERICOM, INC.

ATTN:

Phone: 609 987 4327 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

785.12 27° 41' 25.7" N NAD83

99° 26' 59.02" W

13619 Cabezut

Laredo, TX

Antonio Ramos 956 898 2185 198.0 00029500.00000000 T

00030000.00000000

Call Sign: E960244File Number: SES-MOD-20170208-00138

Licensee: Iridium Constellation LLC

ATTN: Ms Maureen C McLaughlin

Phone: 703-287-7518 Fax: E-Mail: maureen.mclaughlin@iridium.com

Counsel: GOLDBERG GODLES WIENER & WRIGHT LLP

ATTN:

Phone: 202-429-4900 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

846.16 33° 15' 59.2" N NAD27

111° 52' 53.9" W

2501 S. PRICE ROAD

CHANDLER, AZ

ON DUTY OPERATOR 602-732-3130 366.0 00029100.00000000 T

00029250.00000000

00029227.00000000 T

00029233.00000000

Speci Call Sign: E060320 File Number: SES-LIC-20061020-01966

Licensee: DataPath, Inc.

ATTN: Ms Holly J Riesz

Phone: 703-516-8210 Fax: 703-516-8293 E-Mail: hjriesz@rockwellcollins.com

Counsel: DATAPATH, INC.

ATTN:

Phone: 866-855-3800 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

871.65 33° 58' 22.6" N NAD83

84° 5' 31.6" W

2450 Satellite Blvd

Duluth, GA

Michael Beattie 678-597-0611 281.5 00029500.00000000 T

00030000.00000000

Call Sign: E070290 File Number: SES-MOD-20080804-01025

Licensee: DBSD Services Limited

ATTN: DENNIS SCHMITT

Phone: 425 626 4242 Fax: 425 626 4201 E-Mail: dennis.schmitt@ico.com

Counsel: ICO GLOBAL COMMUNICATIONS

ATTN:

Phone: 202-330-4005 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

929.89 36° 14' 9.7" N NAD83

115° 7' 3.4" W

ONE AEROJET WAY

NORTH LAS VEGAS, NV

DUTY TECHNICIAN 702-721-6048 585.2 00029250.00000000 T

00030000.00000000

Speci

00029618.75000000 T
00029618.75000000

00029631.25000000 T
00029631.25000000

00029995.00000000 T
00029996.00000000

00029999.00000000 T
00030000.00000000

00029490.00000000 T
00029500.00000000

00029500.00000000 T
00029515.00000000

00029525.00000000 T
00029535.00000000

Call Sign: E170039 File Number: SES-LIC-20170131-00107

Licensee: Intelsat License LLC

ATTN: Susan H. Crandall

Phone: 703-559-7848 Fax: 703-559-8539 E-Mail: susan.crandall@intelsat.com

Speci

Counsel: INTELSAT CORPORATION
ATTN:
Phone: 703-559-6949 Fax: E-Mail:

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

1094.48 33° 47' 42.7" N NAD83
117° 5' 22.5" W
22401 Juniper Flats Road
Nuevo, CA
Vance Allen 951-928-3446
561.75 00029500.00000000 T
00030000.00000000

Call Sign: E130107File Number: SES-MOD-20160712-00641

Licensee: O3b Limited
ATTN: Ms Suzanne Malloy
Phone: 202-813-4026 Fax: E-Mail: suzanne.malloy@o3bnetworks.com

Counsel: GOLDBERG, GODLES, WIENER & WRIGHT LLP
ATTN:
Phone: 202-429-4900 Fax: E-Mail:

DistanceLatitude
LongitudeSite Address/
Contact InformationElevation
AMSLFrequency Lo/
Frequency Hi

1123.04 38° 47' 46.6" N NAD83
77° 34' 37.4" W
12811 RANDOLPH RIDGE LANE
MANASSAS, VA
NETWORK OPERATIONS CENTER 703-366-1500 103.5 00028600.00000000
T
00029100.00000000

Call Sign: E160137File Number: SES-LIC-20160714-00662

Licensee: SES Government Solutions, Inc.

Special Agent: Mr Joseph A O'Loughlin

Phone: 703-610-0906 Fax: 703-610-1030 E-Mail: joe.oloughlin@ses-gs.com

Counsel: SATCOM LAW LLC

ATTN:

Phone: 202-599-0975 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

1123.35 38° 47' 0.25" N NAD83

77° 34' 24.5" W

8000 Gainsford Ct

Bristow, VA

Tim Kavanaugh 703-350-8665 86.56 00028855.00000000 T

00029071.00000000

Call Sign: E050372File Number: SES-MOD-20080930-01267

Licensee: DISH Broadcasting Corporation

ATTN: Ms Alison Minea

Phone: 202-463-3709 Fax: E-Mail: Alison.Minea@dish.com

Counsel: STEPTOE & JOHNSON LLP

ATTN:

Phone: 202-429-6494 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

1123.94 47° 35' 33.7" N NAD83

117° 33' 4.8" W

9815 West Hallet Road

Spokane, WA

Paul James 509-455-5081 741.58 00029500.00000000 T

Call Sign: E170141File Number: SES-LIC-20170726-00808

Speci Licensee: SES Americom, Inc.

ATTN: Ms Petra A Vorwig

Phone: 202-478-7143 Fax: 202-478-7111 E-Mail: petra.vorwig@ses.com

Counsel: SES AMERICOM, INC.

ATTN:

Phone: 1 609 987 4327 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

1144.97 39° 22' 40.03" N NAD83

77° 4' 52.43" W

2323 Grimville Rd.

Mt.Airy, MD

Mark Rathert 1 410 870 7501 203.0 00029500.00000000 T

00030000.00000000

Call Sign: E160021File Number: SES-MOD-20170920-01040

Licensee: SES Americom, Inc.

ATTN: Ms Petra A Vorwig

Phone: 202-478-7143 Fax: 202-478-7111 E-Mail: petra.vorwig@ses.com

Counsel: SatCom Law LLC

ATTN:

Phone: 202-599-0975 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

1145.02 39° 22' 38.7" N NAD83

77° 4' 49.1" W

2323 Grimville Rd

Mount Airy, MD

Mark Rathert 410-970-7501 195.78 00029250.00000000 T

00030000.00000000

Call Sign: E050121File Number: SES-LIC-20050427-00502

Speci

Licensee: DIRECTV Enterprises, LLC

ATTN: Ms Jacquelyne Flemming

Phone: 2024573032 x Fax: E-Mail: jackie.flemming@att.com

Counsel: Wiley Rein LLP

ATTN:

Phone: (202) 719-4975 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

1159.36 33° 58' 57.0" N NAD83

118° 25' 31.2" W

1200 Culver Boulevard

Los Angeles, CA

Frank Hironaka 310-964-8000 4.6 00029500.00000000 T

00030000.00000000

Call Sign: E020241File Number: SES-RWL-20171024-01196

Licensee: DIRECTV Enterprises, LLC

ATTN: Ms Jacquelyne Flemming

Phone: 2024573032 x Fax: E-Mail: jackie.flemming@att.com

Counsel: Wiley Rein LLP

ATTN:

Phone: 2027194975 Fax: E-Mail:

DistanceLatitude

LongitudeSite Address/

Contact InformationElevation

AMSLFrequency Lo/

Frequency Hi

1161.15 34° 13' 52.8" N NAD83

118° 35' 8.2" W

8900 DESOTO AVENUE

CANOGA PARK, CA

BOB JOHNSON (818) 586-0734 291.0 00029500.00000000 T

00030000.00000000

Speci

Speci

- (7) EMS Technologies Canada, LTD. must coordinate with the Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 29-31 GHz band.
- (8) DURING TRANSMISSION, AIRCRAFT SHALL NOT EXCEED THE ALTITUDE 35,000 FEET AGL.
- (9) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USAF Airborne Mission Network Contract Number FA850917C0002. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.