

KA275 SES-STA-20160325-00285
Intelsat License LLC

IB2016000758


Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for 180-Day STA Using Hagerstown, MD Earth Station KA275 for Eutelsat-117WB LEOP

1. Applicant

Name:	Intelsat License LLC	Phone Number:	703-559-7848
DBA Name:		Fax Number:	703-559-8539
Street:	c/o Intelsat Corporation 7900 Tysons One Place	E-Mail:	susan.crandall@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -5972
Attention:	Susan H. Crandall		

	File # <u>SES-STA20160325-00285</u>
	Call Sign <u>KA275</u> Grant Date <u>5-24-16</u>
	Term Dates From: <u>5-30-16</u> To: <u>11-26-16</u>
	Approved: <u>[Signature]</u>

GRANTED
International Bureau

Application: Intelsat License LLC
File No.: SES-STA-20160325-00285
Call Sign: KA275
Special Temporary Authority

Intelsat License LLC is granted a special temporary authority ("STA"), for 180 days, beginning May 30, 2016, to operate its C-band earth station, call sign KA275, in Hagerstown, Maryland, to provide launch and early orbit phase ("LEOP") services for the Eutelsat-117WB (a.k.a. Satmex-9) satellite at permanent orbital location 117° W.L., licensed by Mexico, under the following conditions:

1. Uplink (Earth-to-space) frequencies will be on 6421.30 MHz, and 6423.30 MHz (LHCP) within the coordinated emission and power limits.
2. Downlink (space-to-Earth) frequencies will be on 4198.20 MHz, and 4199.80 MHz (LHCP).
3. All operators of satellites will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs, Currently the 24x7 contact information for the Eutelsat-117WB satellite mission is as follows: Ph.: (703) 559-7701 - East Coast Operations Center (primary); (310) 525-5591 - West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell.
4. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Intelsat's KA275 shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
5. In the event of any harmful interference under this grant of STA, Intelsat License, LLC KA275 must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License, LLC applications.
7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely 'at Intelsat License, LLC's risk.
8. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.



File # SES-STA-20160325-00285
Call Sign KA275 Grant Date 5-24-16
(or other identifier)
Term Dates
From: 5-30-16 To: 11-26-16
Approved: [Signature]

2. Contact			
Name:	Cynthia J. Grady	Phone Number:	703-559-6949
Company:	Intelsat Corporation	Fax Number:	703-559-8539
Street:	7900 Tysons One Place	E-Mail:	cynthia.grady@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -5972
Attention:		Relationship:	Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)			
3. Reference File Number or Submission ID			
4a. Is a fee submitted with this application?			
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).			
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee			
<input type="radio"/> Other (please explain):			
4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station			
5. Type Request			
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other			
6. Requested Use Prior Date			
7. City/Hagerstown			
8. Latitude (dd mm ss.s h) 39 35 55.0 N			

9. State	MD
10. Longitude (dd mm ss.s h)	77 45 35.0 W
11. Please supply any need attachments. Attachment 1: STA Request	Attachment 2: Exhibits A – C Attachment 3:
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)	<div style="border: 1px solid black; padding: 5px;"> <p>Intelsat License LLC herein requests a grant of Special Temporary Authority for 180 days, commencing May 2, 2016, to use its Hagerstown, Maryland C-band earth station, call sign KA275, to provide launch and early orbit phase services for the Eutelsat-117WB (a.k.a. Satmex-9) satellite. Eutelsat-117WB is expected to be launched no earlier than May 2,</p> </div>
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes.	<p style="text-align: center;">Yes No</p> <p style="text-align: center;"><input checked="" type="radio"/> <input type="radio"/></p>
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Regulatory Counsel, Intelsat Corporation
<p style="text-align: center;">WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).</p>	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

12. Description

Intelsat License LLC herein requests a grant of Special Temporary Authority for 180 days, commencing May 2, 2016, to use its Hagerstown, Maryland C-band earth station, call sign KA275, to provide launch and early orbit phase services for the Eutelsat-117WB (a.k.a. Satmex-9) satellite. Eutelsat-117WB is expected to be launched no earlier than May 2, 2016. The LEOP period is expected to last approximately 205 days.

March 22, 2016

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Special Temporary Authority
Hagerstown, Maryland Earth Station KA275

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 180 days, commencing May 2, 2016, to use its Hagerstown, Maryland C-band earth station—call sign KA275—to provide launch and early orbit phase (“LEOP”) services for the Eutelsat-117WB (a.k.a. Satmex-9) satellite. Eutelsat-117WB is expected to be launched no earlier than May 2, 2016.² The LEOP period is expected to last approximately 205 days.³

The Eutelsat-117WB LEOP operations will be performed in the following frequency bands: 6421.30 MHz and 6423.30 MHz in the uplink (LHCP), and 4198.2 MHz and 4199.8 MHz in the downlink (LHCP). The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

The 24x7 contact information for the Eutelsat-117WB LEOP mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

¹ Intelsat has filed its STA request, an FCC Form 159, a \$195.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² The permanent orbital location and the in-orbit testing location for Eutelsat-117WB will be 117° W.L. Intelsat has included as Exhibit C a letter from Eutelsat, provided by the manufacturer, regarding the satellite’s registration under the Convention on Registration of Objects Launched in Outer Space.

³ Intelsat is seeking authority for 180 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite.

⁴ Intelsat will handle the coordination.

Ms. Marlene H. Dortch
March 22, 2015
Page 2

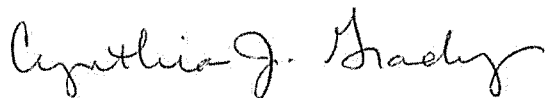
In further support of this request, Intelsat hereby attaches Exhibits A and B, which contain technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver request. Intelsat also notes that for purposes of the Eutelsat-117WB LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 26 dBW, except in case of emergency. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Finally, Intelsat clarifies that during the Eutelsat-117WB LEOP mission, Boeing will serve as the mission manager. Boeing will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to Boeing. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the Eutelsat-117WB satellite. This, in turn, will result in the provision of video and data applications in Mexico, Latin America and the Caribbean from the 117° W.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,



Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

EXHIBIT A

INTELSAT LICENSE LLC

**EUTELSAT-117WB 180-DAY LEOP
STA REQUEST**

**EARTH STATION KA275
HAGERSTOWN, MARYLAND**

MARCH 22, 2016

Exhibit A

SECTIONS 25.137 AND 25.114

The legal and technical qualifications of the Eutelsat-117WB (a.k.a. Satmex-9) satellite have been approved by the Commission and are included herein by reference. Specifically, the legal information requested in Section 25.137 and the technical information requested in Section 25.114, including the Schedule S information, for the Eutelsat 117W satellite can be found in Satelites Mexicanos, S.A. de C.V.'s granted request to add the satellite to the Permitted Space Station List. *See Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-01103, File No. SAT-AMD-20141119-00123 (Aug 21, 2015) (Public Notice).

To the extent necessary, however, Intelsat respectfully requests a waiver of the need to provide additional technical information under Section 25.114 of the Commission's rules for its proposed LEOP service.¹ The Commission may grant a waiver for good cause shown.² The Commission typically grants a waiver where the particular facts make strict compliance inconsistent with the public interest.³ In granting a waiver, the Commission may take into account considerations of hardship, equity, or more effective implementation of overall policy on an individual basis.⁴ Waiver is therefore appropriate if special circumstances warrant a deviation from the general rule, and such a deviation will serve the public interest.

In this case, good cause exists for a waiver of Section 25.114. Intelsat has provided in this STA request the technical information that is relevant to the LEOP services for which Intelsat seeks authorization. The remainder of the information sought by Section 25.114 is not required to determine potential harmful interference because Intelsat will perform the LEOP services on a non-interference basis. Nor is it required to protect adjacent satellites because LEOP service involves communications *prior* to the satellite attaining its final location in the geostationary orbit. In other words, during the LEOP mission, the earth station will not be communicating with a satellite permanently located in the geostationary orbit. Rather, it will be transmitting to a satellite traveling on its "transfer orbit" or "LEOP path", which starts immediately following its separation from a launch vehicle, and ends when the satellite reaches its geostationary orbital location. In the special circumstance of LEOP services, waiver of the need to provide additional technical information under Section 25.114 serves the public interest.

¹ 47 C.F.R. § 25.114.

² 47 C.F.R. §1.3.

³ *N.E. Cellular Tel. Co. v. FCC*, 897 F.2d 1164, 1166 (D.C. Cir. 1990) ("*Northeast Cellular*").

⁴ *WAIT Radio v. FCC*, 418 F.2d 1153, 1159 (D.C. Cir. 1969); *Northeast Cellular*, 897 F.2d at 1166.

EXHIBIT B

INTELSAT LICENSE LLC

**EUTELSAT-117WB 180-DAY LEOP
STA REQUEST**

**EARTH STATION KA275
HAGERSTOWN, MARYLAND**

MARCH 22, 2016

Prepared By

COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Prepared For

**Intelsat License LLC
Hagerstown, Maryland**

Temporary Transmit-Only Earth Station
Operation Dates: 04/01/2016 - 04/15/2016

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations. Verbal and written coordination was conducted with the below listed carriers on February 14, 2016.

Company

256Q Networks
AB Services LLC
AT&T Communications of Virginia, LLC
AT&T Communication of Maryland Inc.
AT&T Corp.
AT&T Wireless Services 3 LLC (PA)
AWC Networks
Access MLP Operating LLC
Adams County Department of Emergency Svc
Affiniti PA, LLC
Allentown SMSA Limited Partnership
Alltel Communications LLC - Western PA
Alltel Communications LLC-E OH WV
Alltel Communications LLC-Southern VA
American Electric Power Service Co
Appalachia Engineering Services
Argos Engineering, LLC
Atlantic Broadband (Penn), LLC
Atlantic City Electric Company
Atlantic, County of
Auburn Data Systems, LLC
Augusta, County of
BAY BROADBAND COMMUNICATIONS LLC
BLAIR COUNTY 911
Baltimore County of Maryland
Baltimore Gas and Electric Company
Beaver Springs Faith Baptist Church, Inc
Bedford, County of
Believe Wireless, LLC
Berks County Department of Emergency Ser
Blue Ridge Carriers
Blueline Communications
CLEARFIELD, COUNTY OF
CNG Transmission Corporation
CROWN COMMUNICATION, INC.
Cambria, County of

Capital Communications of America
Caroline County, VA
Carroll, County of
Cellco Partnership - Bridgeville, PA/WV
Cellco Partnership - Southern Virginia
Cellco Partnership- PA Region
Cellco Partnership-WDC/Baltimore
Cellco Prtnrshp - Phil. Tri-State Rgn
Centre, County of
Charles, County of
Chester, County of
China Cat Productions LLC
Citynet
Clinton, County of
Columbia Gas Transmission Corporation
Commonwealth of Pennsylvania
Commonwealth of Pennsylvania-Radio Proj.
Comprehensive Wireless LLC
Conterra Ultra Broadband, LLC
Coral Reef Technologies Ltd
Coralinks
County of Burlington, Public Safety Cntr
County of Camden
County of Fayette
County of Frederick
County of Lycoming
County of York
DAUPHIN COUNTY EMERGENCY MANAGEMENT
Delaware County (PA) Emergency Services
Delaware Division of Communications
Delmarva Broadcasting Company
Delmarva Power and Light Company
ECW Wireless, LLC
EG Broadcast Newco Corp
Eastern MLG LLC
Electric Railroad, LLC
Enoch Pratt Free Library
Exelon Generation Company, LLC
FELHC, INC
Federal Communication Commission
Frederick County
Fundamental Broadcasting LLC
GETWIRELESS.NET
GREAT SCOTT BROADCASTING
GW Networks
Garden State Transmissions
Geodesic Networks LLC
Gloucester, County of
Greene, County of (PA)
Hanover, County of
Hardy Cellular Telephone Company
Harrisonburg-Rockingham ECC
Henrico County
High Voltage Communications LLC (CFN)
Huntingdon, County of
Indiana, County of

JEFFERSON COUNTY OF PENNSYLVANIA
Jefferson Microwave, LLC
Juniata County Emergency Services
King and Queen County
Kryptick Technologies
Lancaster County-Wide Communications
Limitless Mobile, LLC
Live Mobile Group
Loudoun, County of
MGW Networks, LLC
MVC Research. LLC
Maryland Public Broadcasting Commission
Maryland State Highway Administration
Maryland, State of - Dept.of Info & Tech
Montgomery County Of
National Tower Company LLC
New Cingular Wireless PCS LLC -NJ
New Cingular Wireless PCS - Maryland
New Cingular Wireless PCS LLC - DC
New Cingular Wireless PCS LLC - VA
New Cingular Wireless PCS LLC- WV/NC/SC
New Cingular Wireless PCS LLC-DE/NH/RI
New Cingular Wireless PCS, LLC - PA
New Jersey Turnpike Authority-Pkwy Div
New Jersey, State of -NJ Transit
New Line Networks, LLC
Norfolk Southern Railway
Northumberland, County of
OHIO POWER COMPANY
Old Dominion LLC
PA Communications
PEG Bandwidth, LLC
PRESTON COUNTY OFFICE OF EMERGENCY MANAG
PSEG Services Corporation
Peco Energy Company
Penn Service Microwave Co., Inc.
Pennsylvania Turnpike Commission
Peoples Natural Gas Company LLC
Perseus Technology Holdings USA Inc.
Pitt Power
Pittsburgh SMSA Limited Partnership
Prince George's County
Prince William, County of
RAPPAHANNOCK ELECTRIC COOPERATIVE
Radio One Inc
Rendezvous Communications LLC
Rockbridge Reg. Pub Safety Comm Ctr
Rural Broadband Network Services LLC
SCS Networks
SHENANDOAH VALLEY ELECTRIC COOPERATIVE
SW Networks
Somerset, County of
South Central Task Force (SCTFNET)
Southern Maryland Electric Cooperative I
Spotsylvania, County of
Sprint Spectrum L.P.

Sprintcom, Inc
St. Mary's County of (MD)
Stafford, County of
Standard Backhaul Communications LLC
State of Maryland, MIEMSS
Texas Eastern Communications, LLC
Thought Transmissions, LLC
Torelco LLC
Transcontinental Gas Pipeline Corp.
Turtle Networks 6562
US Cellular Operating Company, LLC (WI)
USCOC of Cumberland, Inc.
USCOC of Virginia RSA #3, Inc.
USOC of Pennsylvania RSA No 10 B2 Inc.
Verizon Maryland, Inc.
Verizon Wireless (VAW) LLC - Delaware/NJ
Verizon Wireless (VAW) LLC - Maryland
Verizon Wireless (VAW) LLC - W/B/V Mkts
Verizon Wireless (VAW) LLC-Pennsylvania
Verizon Wireless VAW LLC - West Virginia
Verizon Wireless VAW LLC-Southern VA
Virginia RSA 5 Limited Partnership
Virginia Broadband, LLC
Virginia Cellular LLC
Virginia Department of State Police
Virginia Electric & Power Company
Virginia PCS Alliance, L.C.
WHEELING POWER COMPANY
WITF Inc.
WV DHHR BPH, Office of EMS, Com. Div.
Washington D.C. SMSA L.P.
Washington Gas Light Company
Washington Suburban Sanitary Commission
Washington, County of
Weblin Holdings LLC
Wireless Internetwork LLC
World Class Wireless, LLC
YAB Mobile
iSignal
xWave Engineering LLC

There are no unresolved interference objections with the station contained in these applications.

The following section presents the data pertinent to frequency coordination of the earth station that was circulated to all carriers within its coordination contours.

COMSEARCH
Earth Station Data Sheet
 19700 Janelia Farm Boulevard, Ashburn, VA 20147
 (703)726-5500 <http://www.comsearch.com>

Date: 02/14/2016
 Job Number: 160214COMSGE05

Administrative Information
 Status: TEMPORARY (Operation from 04/01/2016 to 04/15/2016)
 Call Sign: TEMP04
 Licensee Code: INTELS
 Licensee Name: Intelsat License LLC

Site Information HAGERSTOWN, MD
 Venue Name
 Latitude (NAD 83): 39° 35' 54.7" N
 Longitude (NAD 83): 77° 45' 35.3" W
 Climate Zone: A
 Rain Zone: 2
 Ground Elevation (AMSL): 171.3 m / 562.0 ft

Link Information
 Satellite Type: Geostationary
 Mode: TO - Transmit-Only
 Modulation: Analog and Digital
 Satellite Arc: 6° W to 149° West Longitude
 Azimuth Range: 101.9° to 257.8°
 Corresponding Elevation Angles: 5.3° / 5.7°
 Antenna Centerline (AGL): 12.5 m / 41.0 ft

Antenna Information Transmit - FCC32
 Manufacturer: GD Satcom
 Model: 19M CFPA
 Gain / Diameter: 59.1 dBi / 19.0 m
 3-dB / 15-dB Beamwidth: 0.20° / 0.40°

Max Available RF Power (dBW/4 kHz): -2.7
 (dBW/MHz): 21.3

Maximum EIRP (dBW/4 kHz): 56.4
 (dBW/MHz): 80.4

Interference Objectives: Long Term: -154.0 dBW/4 kHz 20%
 Short Term: -131.0 dBW/4 kHz 0.0025%

Frequency Information Transmit 6.1 GHz
 Emission / Frequency Range (MHz): 850KG7W / 6421.3 - 6423.3

Max Great Circle Coordination Distance: 453.8 km / 281.9 mi
 Precipitation Scatter Contour Radius: 101.4 km / 63.0 mi

Coordination Values		HAGERSTOWN, MD	
Licensee Name		Intelsat License LLC	
Latitude (NAD 83)		39° 35' 54.7" N	
Longitude (NAD 83)		77° 45' 35.3" W	
Ground Elevation (AMSL)		171.3 m / 562.0 ft	
Antenna Centerline (AGL)		12.5 m / 41.0 ft	
Antenna Model		GD Satcom 19 Meter	
Antenna Mode		Transmit 6.1 GHz	
Interference Objectives: Long Term		-154.0 dBW/4 kHz	20%
	Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power		-2.7 (dBW/4 kHz)	

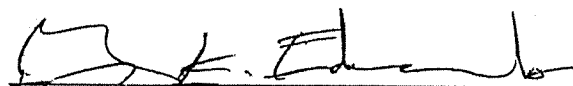
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	101.81	-10.00	170.66
5	0.00	96.84	-10.00	170.66
10	0.00	91.86	-10.00	170.66
15	0.00	86.88	-10.00	170.66
20	0.00	81.90	-10.00	170.66
25	0.00	76.92	-10.00	170.66
30	0.00	71.95	-10.00	170.66
35	0.00	66.97	-10.00	170.66
40	0.00	62.00	-10.00	170.66
45	0.00	57.03	-10.00	170.66
50	0.00	52.06	-10.00	170.66
55	0.00	47.09	-9.82	171.34
60	0.00	42.14	-8.62	176.03
65	0.00	37.19	-7.26	181.28
70	0.00	32.26	-5.72	187.24
75	0.00	27.34	-3.92	194.13
80	0.00	22.47	-1.79	202.28
85	0.00	17.65	0.83	210.76
90	0.00	12.98	4.17	224.77
95	0.00	8.66	8.56	245.21
100	0.00	5.61	13.27	453.75
105	0.00	6.15	12.28	314.02
110	0.00	9.60	7.45	239.82
115	0.00	13.27	3.93	223.71
120	0.00	16.89	1.31	212.69
125	0.00	20.41	-0.75	204.62
130	0.00	23.83	-2.43	199.84
135	0.00	27.11	-3.83	194.49
140	0.00	30.23	-5.01	189.96
145	0.00	33.14	-6.01	186.11
150	0.00	35.82	-6.85	182.86
155	0.00	38.20	-7.55	180.15
160	0.00	40.26	-8.12	177.95
165	0.00	41.93	-8.56	176.24
170	0.00	43.16	-8.88	175.02
175	0.00	43.92	-9.07	174.29
180	0.00	44.18	-9.13	174.04
185	0.00	43.92	-9.07	174.28

Coordination Values		HAGERSTOWN, MD	
Licensee Name		Intelsat License LLC	
Latitude (NAD 83)		39° 35' 54.7" N	
Longitude (NAD 83)		77° 45' 35.3" W	
Ground Elevation (AMSL)		171.3 m / 562.0 ft	
Antenna Centerline (AGL)		12.5 m / 41.0 ft	
Antenna Model		GD Satcom 19 Meter	
Antenna Mode		Transmit 6.1 GHz	
Interference Objectives: Long Term		-154.0 dBW/4 kHz	20%
Short Term		-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	-2.7 (dBW/4 kHz)		

Transmit 6.1 GHz				
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	43.16	-8.88	175.02
195	0.00	41.93	-8.56	176.24
200	0.00	40.26	-8.12	177.95
205	0.00	38.20	-7.55	180.15
210	0.00	35.81	-6.85	182.86
215	0.00	33.14	-6.01	186.11
220	0.00	30.22	-5.01	189.96
225	0.00	27.11	-3.83	194.49
230	0.00	23.83	-2.43	199.84
235	0.00	20.42	-0.75	204.61
240	0.00	16.89	1.31	212.70
245	0.00	13.28	3.92	223.69
250	0.00	9.59	7.46	239.87
255	0.00	6.33	11.96	322.36
260	0.00	6.11	12.35	435.28
265	0.00	9.18	7.93	242.12
270	0.00	13.46	3.77	223.04
275	0.00	18.11	0.55	209.67
280	0.00	22.90	-2.00	201.49
285	0.00	27.76	-4.09	193.50
290	0.00	32.66	-5.85	186.72
295	0.00	37.59	-7.38	180.83
300	0.00	42.53	-8.72	175.64
305	0.00	47.48	-9.91	171.00
310	0.00	52.44	-10.00	170.66
315	0.00	57.40	-10.00	170.66
320	0.00	62.37	-10.00	170.66
325	0.00	67.34	-10.00	170.66
330	0.00	72.31	-10.00	170.66
335	0.00	77.28	-10.00	170.66
340	0.00	82.26	-10.00	170.66
345	0.00	87.23	-10.00	170.66
350	0.00	92.21	-10.00	170.66
355	0.00	97.18	-10.00	170.66

Certification

I hereby certify that I am the technically qualified person responsible for the preparation of the frequency coordination data contained in this report. I am familiar with Parts 101 and 25 of the FCC Rules and Regulations and I have either prepared or reviewed the frequency coordination data submitted with this report, and that it is complete and correct to the best of my knowledge and belief.

BY: 

Gary K. Edwards
Senior Manager
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147

DATED: March 16, 2016

March 16, 2016.

Boeing Satellite Systems International, Inc.
Attn: Juliet Speir
Contracts Manager

Dear Ms. Speir,

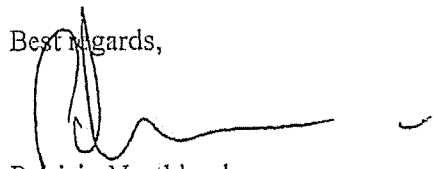
Reference is made to the Commercial Satellite Delivery Contract No. Contract No. BSS-SATMEX-12-001B by and between Boeing Satellite Systems International, Inc. (Boeing) and Eutelsat Latin America, S.A. (as successor of Satélites Mexicanos, S.A. de C.V.) ("Eutelsat") as amended.

By this mean, Eutelsat confirms that has already completed the FCC market access application process for E117WB and the Market Access has been granted. As a next step of the registration process for E117WB, Eutelsat is doing what is needed to register the E117WB satellite (F-4) before the United Nations Office for Outer Space Affairs, in conformity with the Registration Convention or General Assembly resolution 1721 B (XVI) and as recommended in General Assembly resolution 62/101.

Additionally, please rest assured that upon election and agreement with the corresponding Administration for the registry of the abovementioned satellite before the United Nations, we will properly make of knowledge of Boeing.

Should you require further information, please do not hesitate to contact us at your earliest convenience.

Best regards,



Patricio Northland
Legal Representative

C.C.P. Michael Neuman. Program Manager. Boeing.
James J. Peterka. ABS/Satmex Program Manager. 702SP Product Line Directorate. Boeing.
Franz Kerekes. 702SP Product Line Mission and Ground IPT Lead. Boeing.
Yohann Leroy. Chief Technical Officer. Eutelsat.
Arlen Kassighian. U.S. Satellites Programs Director. Department of Engineering. Eutelsat.
Mario García. CEO. Eutelsat Latin America.
Mariana Páez Robles Martínez. General Counsel. Satmex.
Jesús Gutiérrez Albores. Designated Joint Representative / Program Manager. Satmex.