

June 14, 2017

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

Re: Request for Experimental Radio Station License  
File No. 0423-EX-CN-2017

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein supplements its above referenced Request for Experimental Radio Station License. Specifically, Intelsat is updating the record to include the following information requested by Federal Communications Commission (“FCC”) staff.

With respect to the satellites:

- Longitude of satellite
  - Intelsat 29e: 50.0° W.L.
  - SKY-B1: 43.15° W.L.
  - Galaxy 19: 97.0° W.L.
- Satellite coverage (Narrow Beam(NB) or Earth Coverage(EC))
  - Intelsat 29e: NB
  - SKY-B1: NB
  - Galaxy 19: CONUS Beam
- Receive antenna gain
  - Intelsat 29e: 42.3 dBi
  - SKY-B1: Two beams with gains of 37.3 dBi and 43.74 dBi
  - Galaxy 19: 33 dBi
- Beamwidth of the receive antenna at the half power points
  - Intelsat 29e: 1.5°
  - SKY-B1: Two beams with beamwidths of 2.5° and 1.25°, respectively
  - Galaxy 19: 3.75°

With respect the transceiver fixed ground-station antenna(s):

- Transmit antenna gain (dBi): 27.3 dBi
- Beamwidth of transmit antenna at the half-power points: -2.0° / + 2.2° from boresight
- Transmit antenna azimuth:
  - IS-29e: 140.4°
  - SKY-B1: 132.6°
  - Galaxy 19: 208.7°
- Elevation of transmit antenna MSL (in meters): 170 m
- Elevation of transmit antenna AGL (in meters): 1.2 m

The requested antenna patterns are as follows:

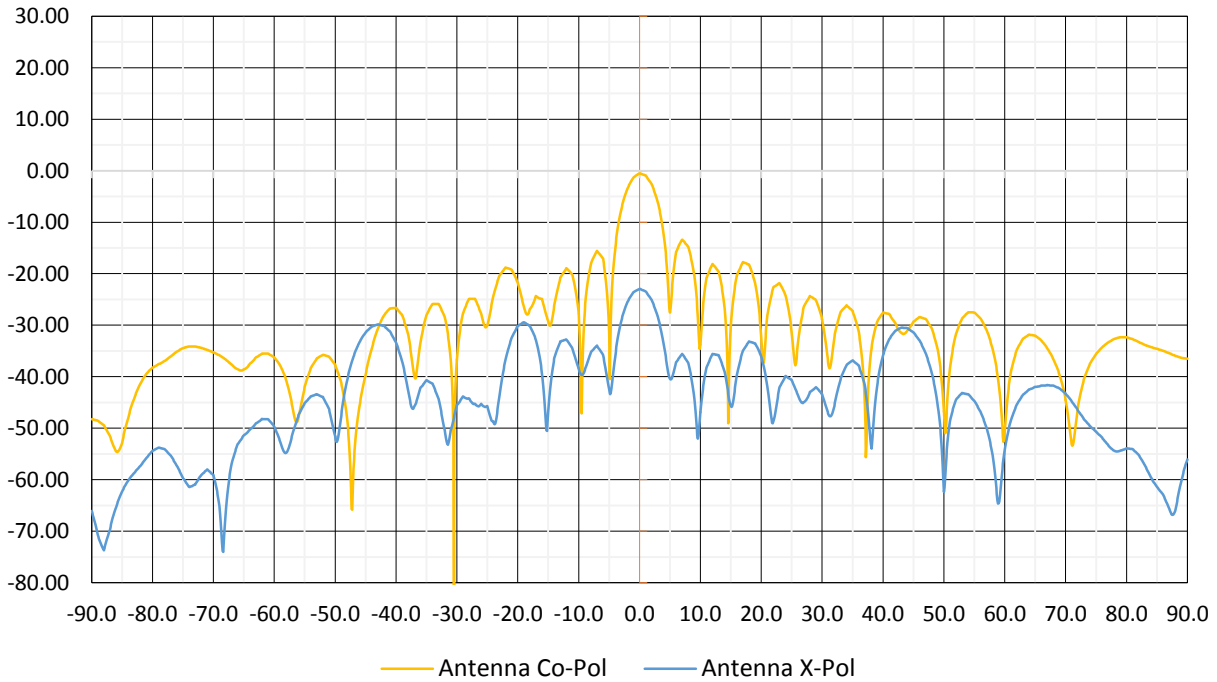


Figure 1: MicroSAT Ku 14.25 GHz Antenna Azimuth Gain Pattern

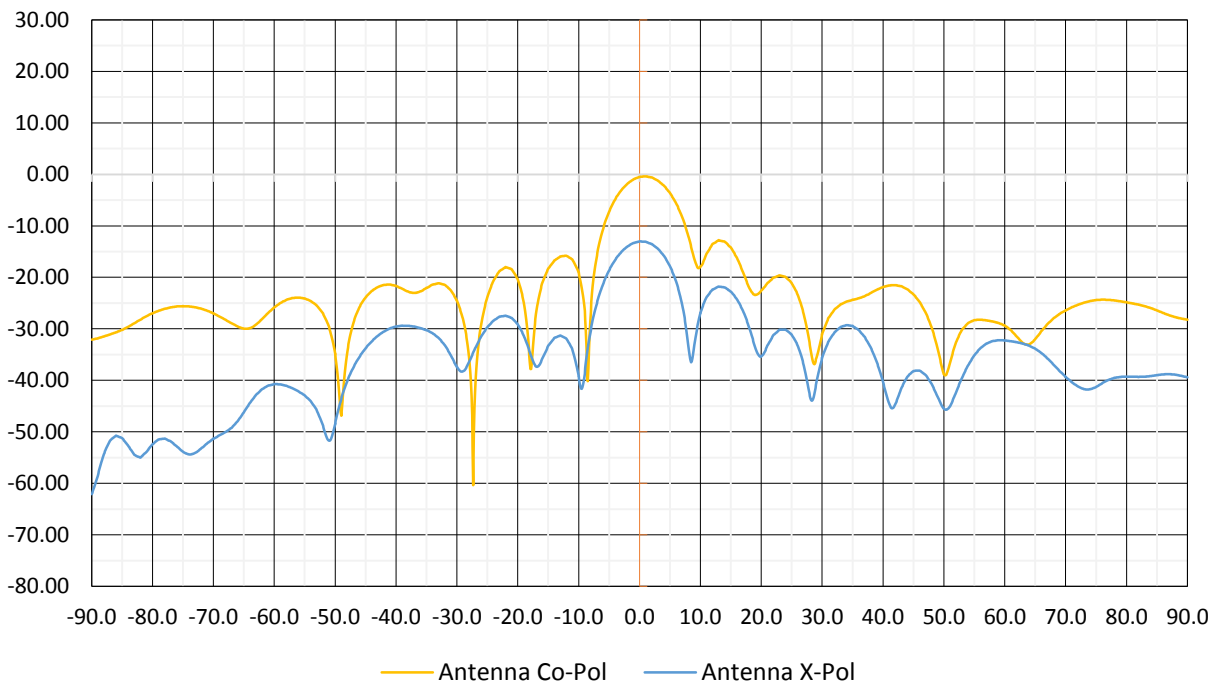


Figure 2: MicroSAT Ku 14.25 GHz Antenna Elevation Gain Pattern

Ms. Marlene H. Dortch  
June 14, 2017  
Page 3

Additionally, Intelsat confirms that that all operations under the requested experimental license will be in conformance with FCC Part 25 Vehicle-Mounted Earth Stations (“VMES”) rules.

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

Sincerely,

/s/ Cynthia J. Grady

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Behnam Ghaffari