



beyond frontiers

March 22, 2018

By Electronic Filing

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

Re: SES Americom, Inc., Application for Special Temporary Authority to Operate MicroSat
Antenna, File No. SES-STA-20180316-00230

Dear Ms. Dortch,

SES Americom, Inc. ("SES"), pursuant to Section 1.65 of the Commission's rules, 47 C.F.R. § 1.65, hereby provides an updated Attachment to the narrative submitted with the above referenced application. SES also submits an antenna plot demonstrating compliance with Section 25.209 of the Commission's rules (Attachment 2).

Please address any questions regarding this matter to the undersigned.

Yours Sincerely,

/s/ Petra Vorwig

Petra A. Vorwig
Senior Legal & Regulatory Counsel
SES Americom, Inc.

Attachment

Attachment 1

Call Sign: New Antenna

Contact Information:

David Codacovi
(202) 478-7124

Address:

1129 20th Street, NW, Suite 1000
Washington, DC 20036

Site Details

Geographic Coordinates (WGS84):¹

Latitude: 35.2035584 N

Longitude: 79.4545196 W

Site Elevation:

171 meters

Antenna Details

Antenna ID: GetSat1
Manufacture/Model: GetSat/MicroSat LM
Antenna Size: 30 centimeters
Antenna Gain Transmit: 27.5 dBi at 14.25 GHz
Antenna Gain Receive: 25.65 dBi at 11.9 GHz
Height Above Ground Level: 0.3 meters
Height Above Sea Level: 171.3 meters
Total Input Power at the Flange: 1.59 watts
Total EIRP for all Carriers: 28.5 dBW

Operational Details²

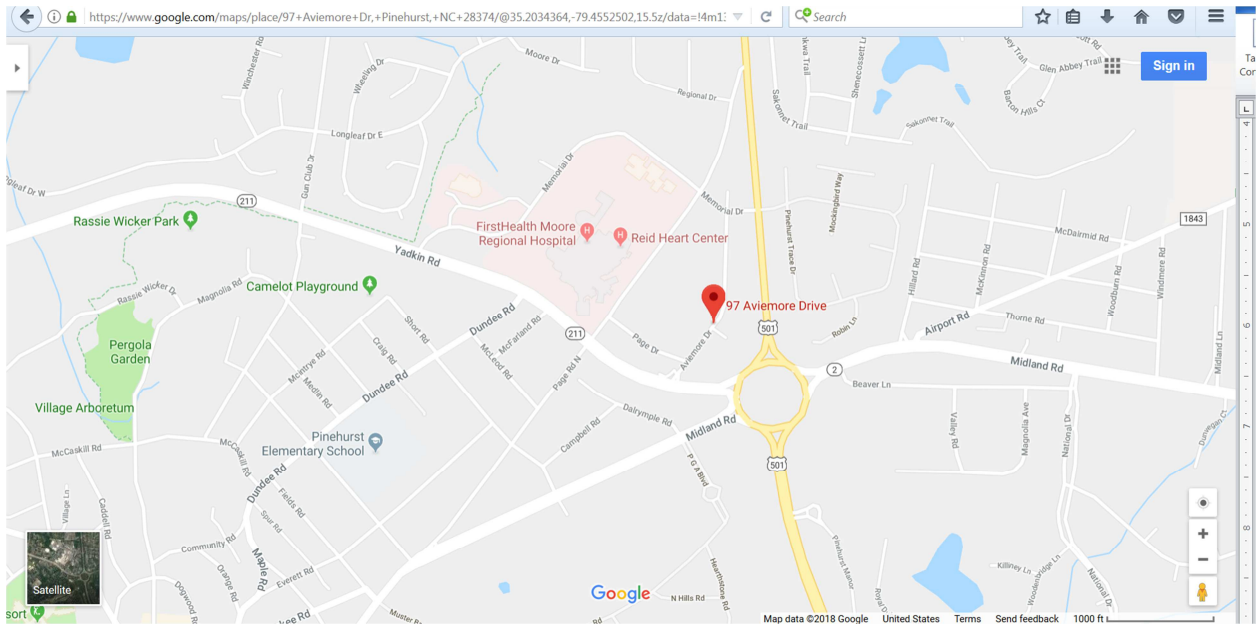
Frequency (MHz)	Transmit/Receive	Polarization	Emissions Designator	Max EIRP per Carrier (dBW)	Max EIRP Density per Carrier (dBW/4kHz)
14000-14500	T	Horizontal and Vertical	2M40G1D	28.5	1.5
11700-12200	R	Horizontal and Vertical	2M40G1D		

¹ See attached Google Map screenshot.

² SES confirms that the antenna will operate in compliance with Section 25.209 of the Commission's rules.

Frequency Coordination

Range of Satellite Arc	Azimuth	Elevation Angle	Maximum EIRP Density Toward the Horizon
129.15° W.L.	244.4°	23.6°	-62.0 dBW/Hz



ATTACHMENT 2
Antenna Gain Compliance with Section 25.209

