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January 17, 2017

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

**Re: Astronics AeroSat Corporation – Section 1.65 Submission,
Updated Frequency Coordination Information
File No. SES-MFS-20161003-00823 (Call Sign E140087)**

Dear Ms. Dortch:

After consultation with the Commission staff, Astronics AeroSat Corporation (“Astronics AeroSat”), in connection with the above-referenced earth station aboard aircraft (“ESAA”) blanket license modification application and pursuant to Section 1.65 of the Commission’s Rules, 47 C.F.R. § 1.65, is writing to update certain frequency coordination information provided in the FCC Form 312, Schedule B submitted in connection with its pending application. Specifically, Astronics AeroSat seeks to update the Schedule B, Items 51-60 (“Frequency Coordination”) previously provided to the Commission, including: (i) the range of satellite arc; and (ii) terminal azimuth angle limits.

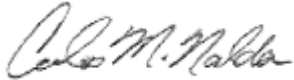
First, in the modification application, Astronics AeroSat provided ESAA terminal frequency limits over the entire satellite arc range of the proposed points of communication (i.e., 173°E to 177°W). Given the different operational characteristics associated with each satellite, however, Astronics AeroSat updates the frequency coordination information to show orbital location-specific frequency limits. The updated information will harmonize Astronics AeroSat’s modification application with its ESAA blanket license and is consistent with the approach taken in other ESAA authorizations. Astronics AeroSat provides Attachment 1 for the updated Schedule B information.

Second, Attachment 1 also includes revised ESAA terminal azimuth angle limit from 0°- 360° rather than 0°- 0°. Although intended to indicate the same operational characteristic (i.e., full range of motion), the 0°- 360° approach more appropriately indicates the full 360-degree azimuth range and avoids potential confusion associated with the use of a single azimuth value. The Commission staff may also wish to update the other azimuth angle limits in the underlying ESAA blanket license, which includes azimuth angles from 0°- 0°.

We appreciate the opportunity to correct the inadvertent administrative issues that have application delayed processing and resulted in erroneous entries in the subject license document, and apologize for any inconvenience this may have caused.

Please do not hesitate to contact me with any questions regarding this matter.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Carlos M. Nalda".

Carlos M. Nalda
Principal
LMI Advisors

Cc (w/ att.): Paul Blais
Trang Nguyen

Astronics AeroSat Corporation
Attachment 1 – Updated Frequency Coordination Information
File No. SES-MFS-20161003-00823 (Call Sign E140087)

Antenna	Satellite Orbit Type	Frequency Limits (GHz)	Range of Satellite Arc (Degrees)	Earth Station Azimuth Angle (East Limit)	Antenna Elevation Limit (East Limit)	Earth Station Azimuth Angle (West Limit)	Antenna Elevation Angle (West Limit)	Max. EIRP Towards the Horizon (dBW/4kHz)
<u>AES1</u>	GSO	11.7-12.2	107.3W-107.3W	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	107.3W-107.3W	0.0	5.0	360	5.0	2.73
	GSO	10.7-12.75	134E-134E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	134E-134E	0.0	5.0	360	5.0	6.34
	GSO	11.45-12.2	100.5E-100.5E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	100.5E-100.5E	0.0	5.0	360	5.0	4.70
	GSO	12.5-12.75	10E-10E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	10E-10E	0.0	5.0	360	5.0	4.67
	GSO	10.95-11.7	70.5E-70.5E	0.0	5.0	360	5.0	0.0
	GSO	12.5-12.75	70.5E-70.5E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	70.5E-70.5E	0.0	5.0	360	5.0	6.13
	GSO	11.7-12.2	114.9W-114.9W	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	114.9W-114.9W	0.0	5.0	360	5.0	4.81
	GSO	12.5-12.75	85E-85E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	85E-85E	0.0	5.0	360	5.0	5.93
	GSO	10.95-12.2	50W-50W	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	50W-50W	0.0	5.0	360	5.0	4.58
	GSO	12.25-12.75	132E-132E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	132E-132E	0.0	5.0	360	5.0	4.70
	GSO	11.45-11.7	95E-95E	0.0	5.0	360	5.0	0.0
	GSO	12.5-12.75	95E-95E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	95E-95E	0.0	5.0	360	5.0	4.87
	GSO	12.2-12.75	144E-144E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	144E-144E	0.0	5.0	360	5.0	3.73
	GSO	10.95-12.2	15W-15W	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	15W-15W	0.0	5.0	360	5.0	2.60
	GSO	10.95-11.2	183E-183E	0.0	5.0	360	5.0	0.0
	GSO	11.45-11.7	183E-	0.0	5.0	360	5.0	0.0

			183E					
	GSO	14.0-14.5	183E-183E	0.0	5.0	360	5.0	4.81
	GSO	10.95-11.2	90E-90E	0.0	5.0	360	5.0	0.0
	GSO	11.45-12.75	90E-90E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	90E-90E	0.0	5.0	360	5.0	4.69
<u>AES2</u>	GSO	11.7-12.2	107.3W-107.3W	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	107.3W-107.3W	0.0	5.0	360	5.0	-1.42
	GSO	10.7-12.75	134E-134E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	134E-134E	0.0	5.0	360	5.0	-1.52
	GSO	11.45-12.2	100.5E-100.5E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	100.5E-100.5E	0.0	5.0	360	5.0	-1.52
	GSO	12.5-12.75	10E-10E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	10E-10E	0.0	5.0	360	5.0	-1.22
	GSO	10.95-11.7	70.5E-70.5E	0.0	5.0	360	5.0	0.0
	GSO	12.5-12.75	70.5E-70.5E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	70.5E-70.5E	0.0	5.0	360	5.0	-1.72
	GSO	11.7-12.2	114.9W-114.9W	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	114.9W-114.9W	0.0	5.0	360	5.0	-2.32
	GSO	12.5-12.75	85E-85E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	85E-85E	0.0	5.0	360	5.0	-1.02
	GSO	10.95-12.2	50W-50W	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	50W-50W	0.0	5.0	360	5.0	-2.92
	GSO	12.25-12.75	132E-132E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	132E-132E	0.0	5.0	360	5.0	-1.92
	GSO	11.45-11.7	95E-95E	0.0	5.0	360	5.0	0.0
	GSO	12.5-12.75	95E-95E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	95E-95E	0.0	5.0	360	5.0	-1.72
	GSO	12.2-12.75	144E-144E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	144E-144E	0.0	5.0	360	5.0	-1.52
	GSO	10.95-12.2	15W-15W	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	15W-15W	0.0	5.0	360	5.0	-1.52
	GSO	10.95-11.2	183E-183E	0.0	5.0	360	5.0	0.0
	GSO	11.45-11.7	183E-183E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	183E-183E	0.0	5.0	360	5.0	-1.52
	GSO	10.95-11.2	90E-90E	0.0	5.0	360	5.0	0.0

	GSO	11.45-12.75	90E-90E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	90E-90E	0.0	5.0	360	5.0	-1.52
	GSO	10.95-11.2	37.5W-37.5W	0.0	5.0	360	5.0	0.0
	GSO	12.25-12.75	37.5W-37.5W	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	37.5W-37.5W	0.0	5.0	360	5.0	-1.02
	GSO	11.45-11.7	45W-45W	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	45W-45W	0.0	5.0	360	5.0	-1.92
	GSO	10.95-11.2	172E-172E	0.0	5.0	360	5.0	0.0
	GSO	11.45-11.7	172E-172E	0.0	5.0	360	5.0	0.0
	GSO	12.2-12.75	172E-172E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	172E-172E	0.0	5.0	360	5.0	-1.52
	GSO	11.7-12.2	116.8W-116.8W	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	116.8W-116.8W	0.0	5.0	360	5.0	-4.62
	GSO	11.45-11.7	76.5E-76.5E	0.0	5.0	360	5.0	0.0
	GSO	14.0-14.5	76.5E-76.5E	0.0	5.0	360	5.0	-1.42