

To: Allen Lindsay
E-Mail: allen.s.lindsay@boeing.com
From: Leann Nguyen
Date: March 10, 2021

Subject: Request for Info - File # 0327-EX-ST-2021

Message:

As IB requests, please provide the following information

- () Please provide the size (meter), antenna gain (dBi), and Maximum total input power at antenna flange (Watts) of the proposed GetSat, MicroSat antenna(s).
- () Please provide the antenna gain (dBi), and Maximum total input power at antenna flange (Watts) of the proposed AvL Technolgies 2.4m Ka antenna
- () Please provide the antenna's pattern performance for the proposed GetSat, MicroSat and AvL Technolgies 2.4m Ka antenna(s) or certify (A) the off-axis gain meets standards in §25.209 (a) and (b) and the power spectral density of any digitally modulated carrier into transmitting earth station antenna will not exceed 3.5 dBW/MHz and (B) the off-axis EIRP density from the proposed earth stations will meet the envelopes set forth in §25.218(i).
- () Please confirm that applicant will conduct on-the ground tests on GetSat, MicroSat and AvL Technolgies 2.4m Ka antenna(s) for Fixed and Motion operations. The GetSat, MicroSat and AvL Technolgies 2.4m Ka antenna(s) will be operated and directed towards the aircraft in flight (15000 ft AGL).
- () Please amend and reduce the power from 6.46MW (ERP)/100.3 dBm EIRP to 4,168694W (ERP) (6839116W/EIRP (dBm): 98.3552)

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of March 10, 2021 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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Responses to this correspondence must contain the Reference number : 60560