

From: Brent Warner

To: Hung Le

Date: April 09, 2021

Subject: Request for Info - File # 0237-EX-CN-2021

Message:

Please see the responses below:

- 1) Please provide the size of the SATCOM ground terminal and air terminal.
 - a. The MB-SADT (Air Terminal) has a reflector diameter of 0.71 meters (28”)
 - b. The MB-SGDT (Ground Terminal) has a reflector diameter of 4 meters
- 2) Please provide the altitude of the air terminal above ground.
 - a. The air terminal will not be in flight during testing
 - b. The air terminal will be mounted to a cart and will be ~4 ft above ground during transmission
- 3) Please provide the Point of communication (satellite): name, call sign and/or file no. of GSO satellite operating in the 14203.40055-14217.95185 frequency band
 - a. Satellite SES-2 (37809)
- 4) Please describe the communication between the 3 units of SATCOM ground terminal and one unit of air terminal and provide a sketch of the transmission of SATCOM ground terminal and air terminal.
 - a. Over the air, testing is required to support the design, development, and integration of two new SATCOM terminals shown below. This includes transmitting and receiving Ku-Band RF signals to/from the SES-2 satellite. Testing will include transmitting carriers with different data rates and occupied bandwidths.
 - b. During testing, the MB-SADT and MB-SGDT will be located ~0.5 miles apart