

From: Mark Settle

To: Behnam Ghaffari

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Subject: Request for Info - File # 0770-EX-CN-2019

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Message:

MITRE's response to the FCC questions is as follows:

With respect to the satellite(s):

1. Satellite coverage (Narrow Beam(NB) or Earth Coverage(EC))

NB

2. Receive antenna gain

16.8 dBi at 5.295GHz; 7.2 dBi at 5.515GHz

3. Beamwidth of the receive antenna at the half power points

19.9 deg at 5.295GHz; 13.3 deg at 5.515GHz

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

1. Transmit antenna gain (dbi)

34 dBi

2. Beamwidth of transmit antenna at the half-power points

3.3 degrees

3. Transmit antenna azimuth

The ASI satellite is in low earth orbit, thus azimuth will vary as the satellite is in view.

4. Elevation of transmit antenna MSL (in meters)

64

5. Elevation of transmit antenna AGL (in meters)

21