

To: Christopher Bjornson
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From: Leann Nguyen
Date: April 10, 2017

Subject: Request for Info - File # 0354-EX-ST-2017

Message:

IB has concerns of potential of harmful interference to FCC license satellite uplink and downlink from the experimental antennas transmitting in the 5250-5850 MHz, 18-20 GHz, 24.0-27.5 GHz, 27.5-29.7 GHz and 29.7-30 GHz band.

IB will need detail antenna information for these operations since we do not know the pointing direction. A presentative antenna pattern will be very useful to perform more detail analysis and the exact pointing direction of the transmit antenna in all the bands.

Also, IB notes that a Mobile station is being request to operate in the 24-27.5 GHz, 27.5-29.7 GHz and 29.7-30 GHz bands. Please explain the type of mobile vehicle being use for this operation. We will need a detail concept of operation for the mobile station to better understand the impact to the FCC license satellite operations in these frequency bands.

For operations in the 18-20 GHz band, we identify a number of receiving satellite earth stations that are in close proximity of the experimental station. We will need to know what direction these antennas will be pointing and what mitigation technique are being use to eliminate any potential interference to the receiving earth stations.

Please provide all the information request and perhaps IB can hold a phone call to discuss the details further.

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 April 10, 2017 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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