

From: Christopher Wilkins

To: Doug Young
Date: April 26, 2017

Subject: Request for Info - STA File #0448-EX-ST-2017

Message:

For the two fixed station operating with 402.7kW (ERP) in the 17.303 GHz and 18.0974 GHz,
1) Provide the exact direction antenna is pointing towards in (AZ and EL).

The antenna azimuth is 270 deg, and elevation is 32 deg.

2) Why do they need to transmit 402.7 kW of power for this test?

The 402.7 kW ERP is due to the gain of the dish antenna (approximately 45.1dB, with a 3dB beamwidth of 0.62 deg). Transmitter power is just 20W, and when multiplied by gain of dish antenna, results in said ERP.

3) Confirm that the power levels for the other transmission are uW = micro Watts.

Confirmed: micro Watts

4) For operations in 12.4965 GHz, prior to the Grant being issue, please obtain a written consent from the following Direct Broadcast Satellite (DBS) Service operators [...]

We have reached out to said parties and will relay consent as soon as it is received.