

From: Robbie Shanholtz

To: Behnam Ghaffari

Date: December 08, 2008

Subject: FCC File No. 0464-EX-PL-2008

Message:

Antenna Gain: 35.06 dBi

Beamwidth: 4 deg.

Of the 8 active transponders on the XTAR-LANT satellite, our ground terminals will use the fixed spot beam centered on the East Coast of the U.S. at 76.52° W, 36.15° N. The fixed spot beam focused on the east coast of the United States serves a coverage area defined at 4.0° in diameter also defined as approximately the -3 dB beamwidth. The EIRP varies by location indicated by the diagram below with a maximum at Boresight of 53.0 dBW.