

From: Jim Petkovsek

To: John Kennedy

Date: June 19, 2007

Subject: FCC File # 0638-EX-PL-2006

Message:

Mr. Petkovsek is no longer with Overwatch Systems. I have taken over those responsibilities. Please let me know if the following provides the information you're requesting. If not, please let me know either by return email or via phone at the number listed at the end of this email.

Overwatch Systems designs and builds SATCOM antenna feed and reflector systems in the bands specified in the license request. In a typical test scenario, the antenna (feed/reflector) under test is mounted onto an antenna pedestal with Az/EI rotation capabilities. The source antenna is remotely located on a ~160' tower, ~1900' away from the unit under test. The source antenna is connected to a signal generator (tuned to the appropriate frequency band of test) at a typical power level of 3mW. With a CW signal aimed at the unit under test, Az/EI pattern data is collected at several points across the SATCOM band of interest. The resulting data file is plotted to determine antenna beamwidth, side-lobe patterns, gain, cross-polarization, etc. for that unit.

-Terry Benson, Overwatch Systems
972-235-3960
tbenson@overwatch.com