

From: Tracy Johnson

To: Leann Nguyen
Date: June 02, 2011

Subject: FCC file# 0334-EX-ST-2011

Message:

File No. 0334-EX-ST-2011
Ref. 14102

Ms. Nguyen:

In reply to your e-mail dated 5/31/2011, this is to reply to the questions posed:

1. Is this a test of system operations or characterization of the antennas to be used with the system?

The purpose of this request is to support of a system level inter-operability test. The goal of this test is to ensure that the waveform works properly, to characterize network performance parameters and to test the system in an over-the-air environment subject to manmade/natural noise, multipath and weather related issues. The antennas (the phase array subassembly) prior to this event, are characterized (at full power) in an anechoic chamber not requiring any special licensing.

2. If it is a system operations test is the full 1000 watts listed in the license required for the test or can the test be used with a reduced power configuration, using minimum power to establish and maintain system operations during the test?

Yes, due to our outdoor range limitations, this interoperability test can be run at reduced power, however, based on the waveform implementation, the antenna goes into a high power mode during nodes discovery where the radio does not have any control over it. It is necessary to request a full power STA.

Please let me know if you require any additional information.

Best regards,

Jeff Rummel
Attorney for BAE Systems