

From: John Capulli

To: John Kennedy

Date: September 23, 2003

Subject:

FCC File #: 0268-EX-PL-2002

Message:

Mr. John Kennedy,

This response is in regards to your request for a six-month progress report with respect to our experimental license, FCC File #: 0268-EX-PL-2002. Basically we have been conducting our testing without any external interference problems. Initially we had some issues but which appeared to be related to our own equipment rather than the UMTS frequency band being used.

Attachment 1 is a summary of the preliminary link measurements made at the Scottsdale, AZ facility. Attachment 2 is a summary of the system performance measurements that were taken between the facilities in Scottsdale, AZ and Charleston, SC. We have a complete report of this demonstration and other measurements but, unfortunately, it is marked as confidential proprietary. I can certainly forward this to you if you feel that it is appropriate as long as it can be kept confidential and if you instruct me on how to upload the document onto the system.

I didn't know how much detail you were looking for as part of this progress report. If you feel we need to provide more information please let me know what would be suitable.

Thank you very much.

Regards,
Gil Estrella
General Dynamics Decision Systems
EMC Group

Attachment 1

This is a summary of field notes from call testing and RF measurements of the Ericsson UMTS Trial System made between January 23 and February 7, 2003.

Unless otherwise specified, the signal strength measurements were taken with the HP 8592L spectrum analyzer s/n G66259 using the antenna supplied by Rich Rosenfeld.
January 23, 2003

Gil Estrella and Steve Gooding took measurements off the end of the feeder cable at the Sector 1 (NE facing) antenna. Total Radiated Power and CPICH were set at 35 dBm and 25 dBm respectively in the RBS. Using a 26 db attenuator the measured signal strength was approximately -1 dBm. This indicated that there were no significant losses through the cable and connectors. The measurements were taken at approximately 1:30 pm.

At 4:00 pm the spectrum analyzer was used to measure the signal from Sector 2 (SW facing antenna).

Total Radiated Power (TRP): 35 dBm