Supplementary explanation for Report B06GE4866-FCC-EMC
EUT type: KG112
Report date: 2006-8-23
With respect to the FCC comment A:

The test systems and test methods comply with the relative requirements.

Test Setup:

The EUT was set in an anechoic chamber. In the corner of the chamber there is a communication antenna, which is connected to the CMU 200 located outside the chamber. The test was done using an automated test system, where all test equipments were controlled by a computer.

Handset configurations:

For GSM 850 MHz band, the ARFCN 128 (824.2 MHz), 190 (836.6 MHz) and 251 (848.8 MHz) are investigated, which are the lowest, middle and highest channel.
For PCS 1900 MHz band, the ARFCN 512 (1850.2 MHz), 661 (1880.0 MHz) and 810 (1909.8 MHz) are investigated, which are the lowest, middle and highest channel.
For GSM mode, the handset is keeping calling state with the CMU200 and its output power is set to maximum during the test (for GSM 850 PCL=5 and for PCS 1900 PCL=0, which the maximum powers are 33dBm and 30dBm respectively); for GPRS mode, considering it mode is class 10 with 5 active timeslots, 3 down timeslots and 2 up timeslots are set and the timeslots' powers are 33dBm and 30dBm for 850 and 1900 band respectively.
A fully charged battery was used during the test.

Test Procedure

1 The maximum power was searched by turning the azimuth of the turntable, shifting the polarization of the measuring antenna and changing the pose of the EUT.
2 The measured levels are EIRP values corrected in the automated test system with the correction factors given by a substitution calibration made before the measurement. The calibration is made separately for vertical and horizontal polarization and the system uses different correction factors depending on the measuring antenna polarization.
3 The corrected maximum levels were reported for EIRP values, and ERP values can be calculated from EIRP values. ERP dBm = EIRP dBm – 2.15dB.