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June 4, 2002

Federal Communications Commission
Equipment Approval Services
7435 Oakland Mills Road
Columbia, MD 21046
Attn: Mr. Martin Perrine

SUBJECT: Samsung Electronics Co., Ltd.
FCC ID: A3LSCHA475
731 Confirmation No.: EA916222
Correspondence Reference No.: 21817
Request for Tech. Info.: 01/18/02

Dear Martin:

Transmitted herewith, on behalf of **Samsung Electronics Co., Ltd.** is an amendment provided in response to the request for technical information dated January 18, 2002.

EMC Questions:

1. Please find attached the sample calculation clarifying how the radiation spurious emissions data (section 6.0) was determined.
2. EXAMPLE: Channel 0383 AMPS mode 2nd harmonic (1672.98 MHz). The receive analyzer reading at 3 meters with the EUT on the turn table was –89.0 dBm. The gain of the substituted antenna is 6.1 dBm. The signal generator connected to the substituted antenna terminals is adjusted to produce a reading of –89.0m dBm on the receive analyzer. The cable loss of cable between the signal generator and the terminals of the substituted antenna is 1.0 at 1672.98 Hz. So 5.1 dB is added to the generator reading of –50.0dBm yielding –44.90 dBm. The fundamental ERP was 26.02 dBm so this harmonic was 26.02 dBm - (-44.90 dBm) = 70.9 dBc.
3. Please find attached the radiation test setup photographs showing the substitution antenna in place.

SAR Questions:

1. Please find attached the system verification.

We trust this information is sufficient for the immediate grant of this application. If you have any further questions, please do not hesitate to contact us.

Randy Ortanez
President

cc: Samsung Electronics Co., Ltd.