

January 8, 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: A3LSPHA400
731 Confirmation No.: EA102690
Correspondence Reference No.: 21432
Request for Tech. Info.: 1/8/02

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 08, 2002.

EMC

NOTE: We would like to confirm that all exhibits before 11/21/01 filing can be deleted. Furthermore, we would like to confirm that the test report that was submitted on 11/21/01 is the one to be used for evaluation.

1. EXAMPLE: Channel 0991 AMPS mode 2nd harmonic (1648.08MHz). The receive analyzer reading at 3 meters with the EUT on the turn table was – 85.8dBm. The gain of the substituted antenna is 6.1 dBd. The signal generator connected to the substituted antenna terminals is adjusted to produce a reading of 85.8 dBm on the receive analyzer. The cable loss of the cable between the signal generator and the terminals of the substituted antenna is 1.0dB at 1648.08MHz. So 5.1dB is added to the signal generator reading of –46.77 dBm yielding –41.67 dBm. The fundamental ERP was 25.273 dBm so this harmonic was 25.273 dBm so this harmonic was 25.273 dBm – (-44.17 dBm) = 66.9 dBc.
2. The SPHA400 has E911 Phase II GPS capability but has not yet enable this feature to the phone. Once this feature is incorporated into the phone, a Class I or Class II will be filed accordingly.
3. Please find the attached plot showing compliance with Section 22.917(f)

SAR

1. Please note that the liquid depth of the tissue simulating materials of 15cm is noted of the summary pages of the SAR report.

2. In the case of brain SAR in the PCS band we used a recipe with a conductivity of 1.6 S/m instead of 1.4 S/m as specified in supplement C. Please note that the dielectric constant is within the 5% specified. In this case the SAR value is directly proportional to the conductivity. The overestimation of SAR should be approximately 14%.
3. Note that the ambient and liquid temperatures are on the attached SAR summary sheets.
4. A slim battery is not available at this time. When the slim battery becomes available, a Class I or Class II change testing will be performed.
5. Please find the calculated SAR values using the measured conductivity and permittivity.
6. We confirm that the phantom thickness is 2.0mm
7. Please find the attached revised page 10 of the SAR test report showing diagrams of the SAR test configurations in the tilt and touch positions (Under Grid Overlay per CRN 21432 Jan 8).

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.