

September 26, 2001

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

SUBJECT: Samsung Electronics Co., Ltd.
FCC ID: A3LSPHN300
731 Confirmation No.: EA102065
Correspondence Reference No.: 20716
Request for Tech. Info.: 9/24/01

Dear Frank:

Transmitted herewith, on behalf of **Samsung Electronics Co., Ltd.** is an amendment provided in response to the request for technical information dated September 24, 2001.

1. Please find the attached ESN affidavit and Confidentiality Request letter that were not viewable on the initial upload.
2. The level readings in column two on pages 8-10 are the receive spectrum analyzer readings in dBm taken at a distance of 3 meters during the ERP test. The signal generator driving the substituted dipole was adjusted to produce this same receive analyzer reading. The level at the input terminals of the substituted dipole was then measured and the ERP value was recorded.
3. Please find the attached revised section 11.1 deleting the calculation of ERP from field strength.
4. As stated in item #2 the levels in column two of pages 11-19 are maximum receive spectrum analyzer readings in dBm taken at a distance of 3 meters. The signal generator driving the substituted antenna was adjusted to produce this receive analyzer reading.
5. Please find the attached frequency response data
6. Please find the attached modulation limiting data.
7. Please find the attached measurement data showing compliance with the SAT notch requirement.
8. Please find the attached plot of the voice modulation occupied bandwidth taken at 2500 Hz and the plot of SAT + voice.
9. The summary sheet for 800 MHz body SAR with the spacing between the body and the E-Field probe is attached.

10. The corrected page 15 of the SAR report is attached.
11. The corrected page 15 of the SAR report states the correct value for conductivity used during the test for PCS SAR. We used a value of 1.62 S/m which has a higher conductivity than the 1.40 value of the new standard. The value is on the side of caution, which produce an overestimation of SAR. We will use the new PCS recipe as soon as our new glycol proof SAM phantom is shipped to us.
12. The spacing of unit to body used during the PCS body SAR test was 1.5 cm.
13. We checked with the applicant and the extended battery is not currently available at this time. When the battery becomes available a class two change will be applied.
14. The channels with the highest SAR value for 800 MHz and PCS band for brain and body were re-plotted with the requested expanded zoom scans. Please find the attached data sheets .
15. Please find the attached area scan plot of the 800 MHz head SAR with the antenna extended, the 800 MHz area scan plot with the antenna retracted, the PCS area scan of the head with the antenna retracted, and the PCS body area scan with the antenna retracted.

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.