PCTEST®
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December 06, 1999

Federal Communications Commission
Equipment Approval Services
7435 Oakland Mills Road
Columbia, MD 21046
Attn: Frank Coperich / Kwok Chan

SUBJECT: Samsung Electronics Co., Ltd.
FCC ID: A3LSCH620
731 Confirmation Number: EA95008

Dear Frank / Kwok:

Submitted herewith, on behalf of Samsung Electronics Co., Ltd., is an amendment for verification of the Body-worn configuration of the Samsung Electronics Co., Ltd. Dual-Mode Cellular phone. The SAR tests were done with the IDX measurement system with a torso phantom. Please note the location of the hot-spot was identical in both systems.

Attached are the SAR Test Data Summary Pages, SAR data from the IDX measurement system, and SAR Test Setup Photos.

In addition, listed below is the information we received from SPEAG on 12/3/99 stating the conversion factor for the muscle material at 835 MHz, and the appropriate conductivity and permittivity parameters used during the body SAR measurement using the SPEAG probe S/N: 1368. Based on this information, the data derived from the SPEAG system is comparable to the data derived using the IDX system for Body SAR.

SN:1368 – brain 900MHz – eps=42.5, sig=0.85, ConvF=5.76
SN:1368 – muscle 900MHz – eps=55.96, sig=0.97, ConvF=5.59 (3% lower than 5.76)
SN:1368 – muscle 835MHz – eps=56.2, sig=0.95, ConvF=5.7 (1% lower than 5.76)

We trust this information is sufficient to issue the grant. Should you have any further questions, please do not hesitate to contact us. Thank you.

Sincerely,

Randy Ortanez
President & Chief Engineer

NVLAP®

cc: Ben Kim, Engineering Manager
Samsung American QA Lab