

1. AMPS(FM)

TEST ITEMS	PROCEDURE														
1. PREPARATION	Set test equipments up. [6 5 4 8 # 0 * 4 5 6 8 0] : Enter the Test Mode "0 0 1" : Suspend Confirm that the phone is in the "AMPS Mode". (If not AMPS Mode, Use Test Command "020", "10000" or "10001" and save it and Enter "0 0 2" to restart) If a wrong key would be selected, press "END", and then enter new command. To exit the Test Mode at any time, just press "0 0 2".														
2. RF POWER	"0 0 1" : Suspend. "0 0 2 0 3 8 3 'END' " : Set channel to 383. "0 0 7" : Carrier On. "0 1 0 2" : RF Power level selection, "2" means one of the power levels (0-7). Measurement of the Power Output Levels <table> <tr> <th>Level</th><th>RF Power</th></tr> <tr> <td>0 ~ 2</td><td>+ 26 dBm +0.5/-4 dB</td></tr> <tr> <td>3</td><td>+ 24 dBm +2/-4 dB</td></tr> <tr> <td>4</td><td>+ 20 dBm +2/-4 dB</td></tr> <tr> <td>5</td><td>+ 16 dBm +2/-4 dB</td></tr> <tr> <td>6</td><td>+ 12 dBm +2/-4 dB</td></tr> <tr> <td>7</td><td>+ 8 dBm +2/-4 dB</td></tr> </table> Note 1 : In case of using the antenna cable, compensation for the cable loss should be added (about 1.4dB). Note 2 : To prevent phones from being damaged, they must be measured only by calibrated test equipments. Warning ! Adjustments without calibrated equipments can cause phones to be heated excessively and would void the warranty.	Level	RF Power	0 ~ 2	+ 26 dBm +0.5/-4 dB	3	+ 24 dBm +2/-4 dB	4	+ 20 dBm +2/-4 dB	5	+ 16 dBm +2/-4 dB	6	+ 12 dBm +2/-4 dB	7	+ 8 dBm +2/-4 dB
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3. TX FREQUENCY	"0 0 1" : Suspend. "0 0 7" : Carrier On. "0 0 2 0 3 8 3 'END' " : Set channel to 383. Measure the TX frequency : 836.49 MHz $\pm$ 2.5ppm.														

SAR MEASUREMENT REPORT

1.1 SCOPE

Environmental evaluation measurements of specific absorption rate¹ (SAR) distributions in simulated human tissues exposed to radiofrequency (RF) radiation from wireless portable devices for compliance with the rules and regulations of the U.S. Federal Communications Commission (FCC).²

Applicant Name:	SAMSUNG ELECTRONICS CO., LTD.
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Attention:	Mr. Wallace Oh, Engineering Manager Samsung Electronics America (QA Lab)

- EUT Type: Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
- Trade Name: **SAMSUNG**
- Model(s): **SCH-I300**
- FCC IDENTIFIER: **A3LSCHI300**
- Tx Frequency: 824.04 – 848.97 MHz (AMPS)
824.70 – 848.32 MHz (CDMA)
1851.25 – 1908.75 MHz (PCS CDMA)
- Rx Frequency: 869.04 – 893.97 MHz (AMPS)
869.70 – 893.31 MHz (CDMA)
1931.25 – 1988.75 MHz (PCS CDMA)
- Application Type: Certification
- FCC Classification: Licensed Portable Transmitter
Held to Ear (PCE)
- FCC Rule Part(s): § 2.1093, Docket 96-326
- Modulation(s): AMPS/CDMA
- Max RF. Output Power: 0.424W ERP AMPS (26.27 dBm)
0.366W ERP CDMA (25.63 dBm)
0.261W EIRP PCS CDMA (24.17 dBm)
- Date(s) of Tests: Mar. 2 - 6, 2001
- Place of Tests: PCTEST Engineering Lab.
Columbia, MD, U.S.A.
- Report Serial No.: SAR.210121101.A3L



Fig. 1 SAR Test Setup

NVLAP
Lab Code 100431-0

¹ Specific Absorption Rate (SAR) is a measure of the rate of energy absorption due to exposure to an RF transmitting source (wireless portable device).

² IEEE/ANSI Std. C95.1-1992 limits are used to determine compliance with FCC ET-Docket 93-62.