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CERTIFICATE OF COMPLIANCE (SAR EVALUATION)

SAMSUNG ELECTRONICS CO., LTD.
 416 Maetan-3 Dong, Paldal-Ku
 Suwon City Kyungki-Do 441-742, KOREA
 Attn: Wallace Oh, Engineering Manager
 Samsung Electronics America (QA Lab)

Dates of Tests: Feb. 28 & Mar. 1-2, 2001
 Test Report S/N: SAR.210228041.A3L
 Test Site: PCTEST Lab, Columbia, MD USA

FCC ID

A3LSTHN270

APPLICANT

SAMSUNG Electronics Co., Ltd.

EUT Type: Dual-Mode Cellular Phone (AMPS/TDMA)
 Tx Frequency: 824.04 – 848.97 MHz (AMPS) / 824.04 – 848.97 MHz (TDMA)
 Rx Frequency: 869.04 – 893.97 MHz (AMPS) / 869.04 – 893.97 MHz (TDMA)
 Max. RF Output Power: 0.406 W ERP AMPS (26.08 dBm) / 0.434 W ERP TDMA (26.37 dBm)
 Trade Name/Model(s): **SAMSUNG STH-N270, STH-N271, STH-N275**
 FCC Classification: Non-Broadcast Transmitter Held to Ear (TNE)
 Application Type: Certification
 FCC Rule Part(s): §2.1093; ET Docket 96.326
 Maximum SAR: 1.4842 W/kg AMPS Brain SAR; 1.2404 W/kg AMPS Body SAR
 0.5982 W/kg TDMA Brain SAR; 0.4866 W/kg TDMA Body SAR



This wireless portable device has been shown to be compliant for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE Std. C95.1-1992 and had been tested in accordance with the measurement procedures specified in ANSI/IEEE Std. C95.3-1992. (See Test Report)

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

NVLAP accreditation does not constitute any product endorsement by NVLAP or any agency of the United States Government. PCTEST certifies that no party to this application has been denied the FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862.


 Randy Ortanez
 President & Chief Engineer

210228041. A3L

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 LAB CODE 100431-0

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

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Attention:	Mr. Wallace Oh, Engineering Manager Samsung Electronics America (QA Lab)

- EUT Type: Dual-Mode Cellular Phone (AMPS/TDMA)
- Trade Name: **SAMSUNG**
- Model(s): **STH-N270, STH-N271, STH-N275**
- FCC IDENTIFIER: **A3LSTHN270**
- Tx Frequency: 824.04 – 848.97 MHz (AMPS)
824.04 – 848.97 MHz (TDMA)
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869.04 – 893.97 MHz (TDMA)
- Application Type: Certification
- FCC Classification: Non-broadcast Transmitter Held to Ear (TNE)
- FCC Rule Part(s): § 2.1093, Docket 96-326
- Modulation(s): AMPS/TDMA
- Max RF. Output Power: 0.406 W ERP AMPS (26.08 dBm)
0.434 W ERP TDMA (26.37 dBm)
- Date(s) of Tests: Feb. 28 & Mar. 1-2, 2001
- Place of Tests: PCTEST Engineering Lab.
Columbia, MD, U.S.A.
- Report Serial No.: SAR.210228041.A3L



Fig. 1 SAR Test Setup



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.