SIEMENS

Test Report

Conducted Output power GSM 850 and GSM 1900

Report No: FCC_AX76
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Test Site:

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1 Objective and Method

FCC approval for mobile phones requires reporting output power at RF output terminal pursuant to title 47 CFR part 2.1046. SIEMENS devices feature a special 50 Ohm RF connector suitable for such measurements. Using a special adapter and connecting the phone to an appropriate load in terms of the input port of the measurement equipment used, we hereby report the values for highest power setting.

2 Results

2.1 GSM 850

Device	Average Power during burst at connector		
	Ch. 128 824.2 MHz	Ch. 190 836.6 MHz	Ch. 251 848.8 MHz
Siemens AX76, #9 SAR IMEI: 004400012073803	+ 31.65 dBm	+ 31.84 dBm	+ 31.94 dBm
Siemens AX76, #6 SAR IMEI: 004400012074538	+ 31.68 dBm	+ 31.83 dBm	+ 31.95 dBm
Siemens AX76, #4 Cetecom IMEI: 004400012074512	+ 31.76 dBm	+ 31.82 dBm	+ 31.96 dBm
Siemens AX76, #5 Cetecom IMEI: 004400012074048	+ 31.62 dBm	+ 31.79 dBm	+ 31.90 dBm

Table 1: Results of power measurements at connector in the GSM 850 Band

2.2 GSM 1900

Device	Average Power during burst at connector		
	Ch. 512 1850.2 MHz	Ch. 661 1880.0 MHz	Ch. 810 1909.8 MHz
Siemens AX76, #9 SAR IMEI: 004400012073803	+ 29.19 dBm	+ 29.12 dBm	+ 28.98 dBm
Siemens AX76, #6 SAR IMEI: 004400012074538	+ 29.27 dBm	+ 29.18 dBm	+ 29.05 dBm
Siemens AX76, #4 Cetecom IMEI: 004400012074512	+ 29.27 dBm	+ 29.15 dBm	+ 28.99 dBm
Siemens AX76, #5 Cetecom IMEI: 004400012074048	+ 29.33 dBm	+ 29.2 dBm	+ 28.95 dBm

Table 2: Results of power measurements at connector in the GSM 1900 Band

3 Minutes of Test

3.1 Description of device under test

Mobile phone: Siemens AX76
Frequency range GSM 850: 824 – 894 MHz

Frequency range GSM 1900: 1850 – 1990 MHz
Siemens Part number: L36880-N2870-xxxx
FCC ID: PWX-AX76
IC ID: 267E-AX76

3.2 Measurement Set-up

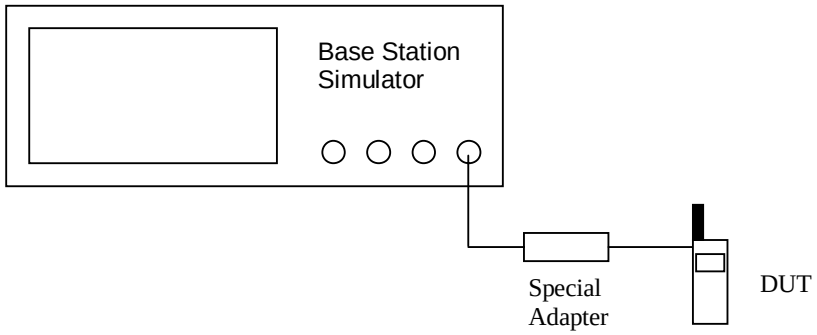

Figure 1: Block Diagram of set-up for conducted power measurement

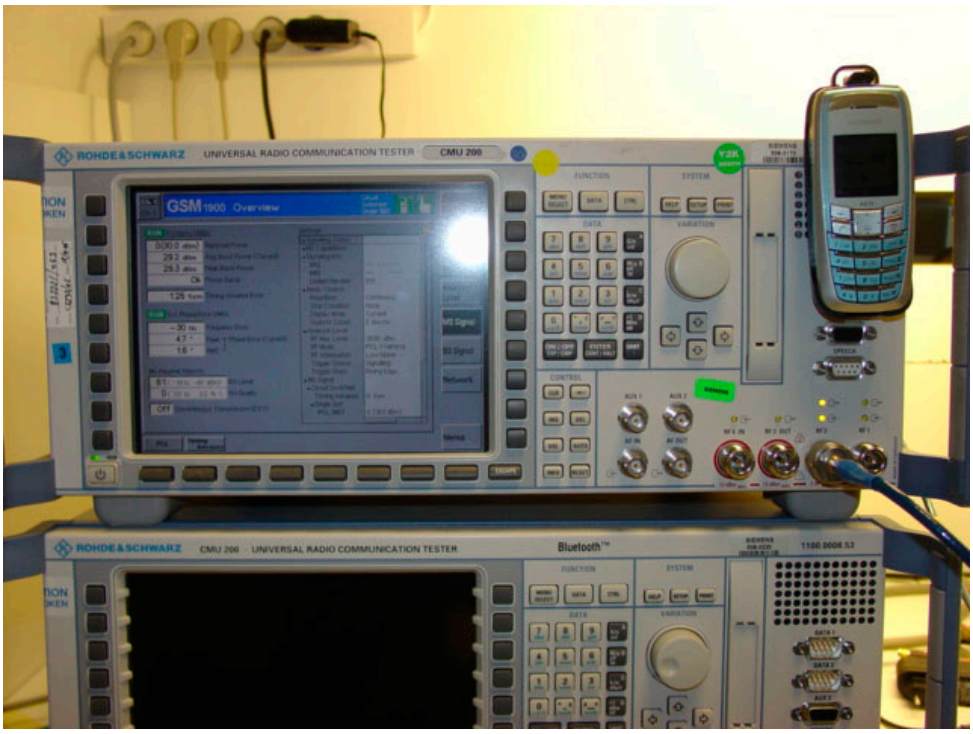

Figure 2: Set-up for conducted power measurement

4 Calibration Certificate

DANAK
Reg. nr. 291

ROHDE&SCHWARZ
DANMARK A/S

Kalibreringscertifikat
Certificate of Calibration

Certifikat nr.: Certificate no.	C0049/04	**Side:** Page:	1 Af 15 of
Kunde: Client:	Siemens Mobile Phones A/S Siemens kaj 1 9400 Nørresundby	**Udstyr:** Equipment:	Rohde & Schwarz Universial radio comm. tester CMU200
Kundes Inst.nr.: Equipment no.	508-0170	**Serie nr.:** Serial no.	832221/063
Modtaget: Received	23 mar 04	**Kalibreret:** Calibrated:	23 mar 04
Procedure: Procedure	CMU200/01-0481/2004	**Udført af:** Performed by	Claus Stenberg Hansen

Bemærkninger: Remarks:

Kalibreringen er udført i henhold til DANAK akkreditering nr 291 som beskrevet i den anførte kalibreringsprocedure.

Instrumentet overholder anførte specifikationer med følgende bemærkninger:
- Kalibrering er udført 'on site' hos kunden.
- Målinger mærket med ?) kan på grund af måleusikkerheden ikke konstateres at være inden for specifikation med et konfidensniveau på 95 %.
- Målinger mærket med *) er ikke omfattet af akkreditering.

Måleresultater er gengivet i:
- Annex A - Test Report.

Godkendt den: Approved 21 apr 04

Af: By Carl Aage Dahl Winther

Carl Aage Dahl Winther
Kalibreringschef

Prøvningsrapporten må kun gengives i uddrag, hvis rapporten er offentlig tilgængelig, eller Rohde & Schwarz Danmark A/S har godkendt uddraget. Kalibreringsresultaterne gælder alene for de kalibrerede emner.
The Test Report may only be issued in parts if the complete Report is accessible to the public, or if Rohde & Schwarz Danmark A/S has approved the issued part. The Calibration Results are only valid for the calibrated items.

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