

Test Report

Conducted Output Power GSM 850 and GSM 1900

SIEMENS CT56

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Test Site

Siemens ICM MP UC RD EA AAL

Siemens Mobile Phones A/S

Siemens Kaj 1

DK-9400 Nørresundby

Denmark

Tel.: +45 72 19 56 30

Fax: +45 72 19 50 02

Test Engineer:

Alexander Friederich



Supervisor:

Georg Fässler

Global Line Manager EMC & Antenna



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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. 189 836.6 MHz	Ch. 251 848.8 MHz
Siemens, "FCC Sample 1" IMEI: 001002000031497	+ 32.2 dBm	+ 31.9 dBm	+ 31.6 dBm
Siemens, "FCC Sample 2" IMEI: 001002000031406	+ 32.2 dBm	+ 31.9 dBm	+ 31.7 dBm
Siemens, "FCC Sample 3" IMEI: 001002000031513	+ 32.1 dBm	+ 31.9 dBm	+ 31.7 dBm
Siemens, "FCC Sample 4" IMEI: 001002000031265	+ 32.1 dBm	+ 31.9 dBm	+ 31.7 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, "FCC Sample 1" IMEI: 001002000031497	+ 29.4 dBm	+ 29.3 dBm	+ 29.4 dBm
Siemens, "FCC Sample 2" IMEI: 001002000031406	+ 29.4 dBm	+ 29.4 dBm	+ 29.4 dBm
Siemens, "FCC Sample 3" IMEI: 001002000031513	+ 29.4 dBm	+ 29.4 dBm	+ 29.4 dBm
Siemens, "FCC Sample 4" IMEI: 001002000031265	+ 29.3 dBm	+ 29.3 dBm	+ 29.3 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 CT56
Frequency range GSM 850:	824 – 894 MHz
Frequency range GSM 1900:	1850 – 1990 MHz
Siemens Part number:	L36880-N5300-*
FCC ID:	PWX-CT56

3.2 Measurement Set-up

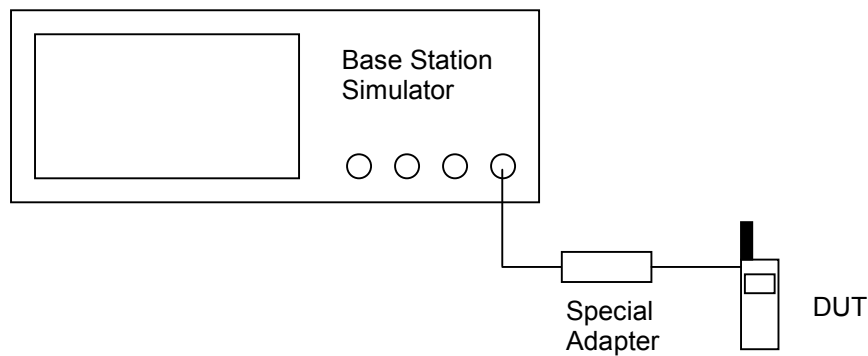


Figure 1: Block Diagram of set-up for conducted power measurement



Figure 2: Set-up for conducted power measurement

Siemens Mobile Phones A/S

Siemens Kaj 1
DK-9400 Nørresundby
Denmark

Switchboard
+45 72 19 50 00

4 Calibration Certificate



Kalibreringscertifikat

Certificate of Calibration

Certifikat nr.: Certificate no.	2002-5568	Side Page:	1 of	Af of	26
Kunde: Client	Siemens Mobile Phones A/S Siemens Kaj 1 9400 Nørresundby	Udstyr: Equipment	ROHDE & SCHWARZ UNIVERSAL RADIO COMM. TESTER CMU200		
Kundes Inst.nr.: Client Equip. no.	508-0173	Serie nr.: Serial no.	832221/061		
Modtaget: Received	22 maj 02	Kalibreret: Date of calibration	23 maj 02		
Procedure: Procedure	A1020701-9505	Udført af: Performed by	Christian Krantz		

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

Instrumentet overholder anførte specifikationer med følgende bemærkninger:

- Målinger mærket med *) er ikke omfattet af akkreditering.
- Instrument er repareret.

Måleresultater er gengivet i:

- Annex A - Test Report (Efter reparation).
- Annex B - Incomming Test Report (Før reparation).

Godkendt den: 25 jun 02
Approved

Af:  **Carl Aage Dahl Winther**
By **Carl Aage Dahl Winther**
Kalibreringschef

Digitally signed by
Carl Aage Dahl
Winther
DN: cn=Carl Aage
Dahl Winther, c=DK
Date: 2002.06.25
15:00:07 +0100

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.
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Laboratorie: Rohde & Schwarz Danmark A/S, Ejby Industrivej 40, 2600 Glostrup, A/S reg.: 185 377

Siemens Mobile Phones A/S

Siemens Kaj 1
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Denmark

Switchboard
+45 72 19 50 00