

Test Report

Conducted Output power GSM 850 / 1900



Report No: EMC_C61
Issue date: October 27th, 2003

Test Site:

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A handwritten signature in black ink, appearing to read "Alexander Friederich".

Alexander Friederich
EMC & Antenna

A handwritten signature in black ink, appearing to read "Morten Christensen".

Morten Christensen
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 use special test fixtures with 50 Ohm connection 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. 512 1850.2 MHz	Ch. 661 1880.0 MHz	Ch. 810 1909.8 MHz
Siemens C61, "FCC Sample 1" IMEI:00 1002 00 0 29573 8	+ 32.0 dBm	+ 32.0 dBm	+ 32.1 dBm
Siemens C61, "FCC Sample 2" IMEI: 00 1002 00 0 29460 8	+ 32.0 dBm	+ 32.0 dBm	+ 32.0 dBm
Siemens C61, "FCC Sample 3" IMEI: 00 1002 00 0 29509 2	+ 32.0 dBm	+ 32.1 dBm	+ 32.0 dBm
Siemens C61, "SAR Sample 1" IMEI: 00 1002 00 0 29507 6	+ 32.0 dBm	+ 32.0 dBm	+ 32.1 dBm
Siemens C61, "SAR Sample 2" IMEI: 00 1002 00 0 29499 6	+ 32.0 dBm	+ 32.0 dBm	+ 32.0 dBm

Table 2: 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 C61, "FCC Sample 1" IMEI: 00 1002 00 0 29573 8	+ 29.4 dBm	+ 29.4 dBm	+ 29.3 dBm
Siemens C61, "FCC Sample 2" IMEI: 00 1002 00 0 29460 8	+ 29.4 dBm	+ 29.4 dBm	+ 29.3 dBm
Siemens C61, "FCC Sample 3" IMEI: 00 1002 00 0 29509 2	+ 29.4 dBm	+ 29.5 dBm	+ 29.4 dBm
Siemens C61, "SAR Sample 1" IMEI: 00 1002 00 0 29507 6	+ 29.5 dBm	+ 29.5 dBm	+ 29.5 dBm
Siemens C61, "SAR Sample 2" IMEI: 00 1002 00 0 29499 6	+ 29.4 dBm	+ 29.4 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 C61
Frequency range GSM 850: 824 – 894 MHz
Frequency range GSM 1900: 1850 – 1990 MHz
Siemens Part number: S30880-S5880-A100-1
FCC ID: PWX-C61

3.2 Measurement Set-up

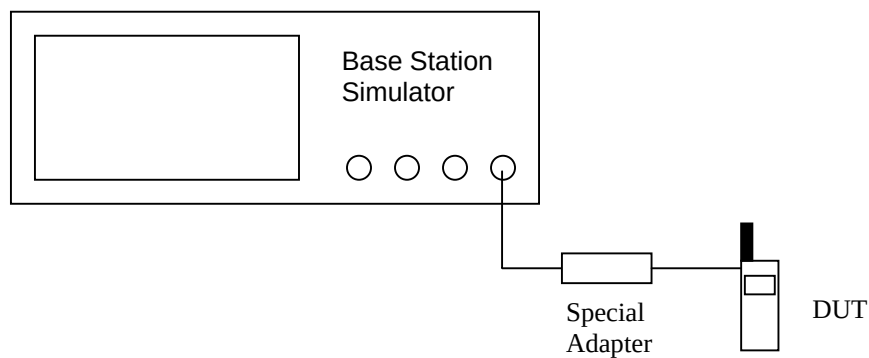


Figure 1: Block Diagram of set-up for conducted power measurement

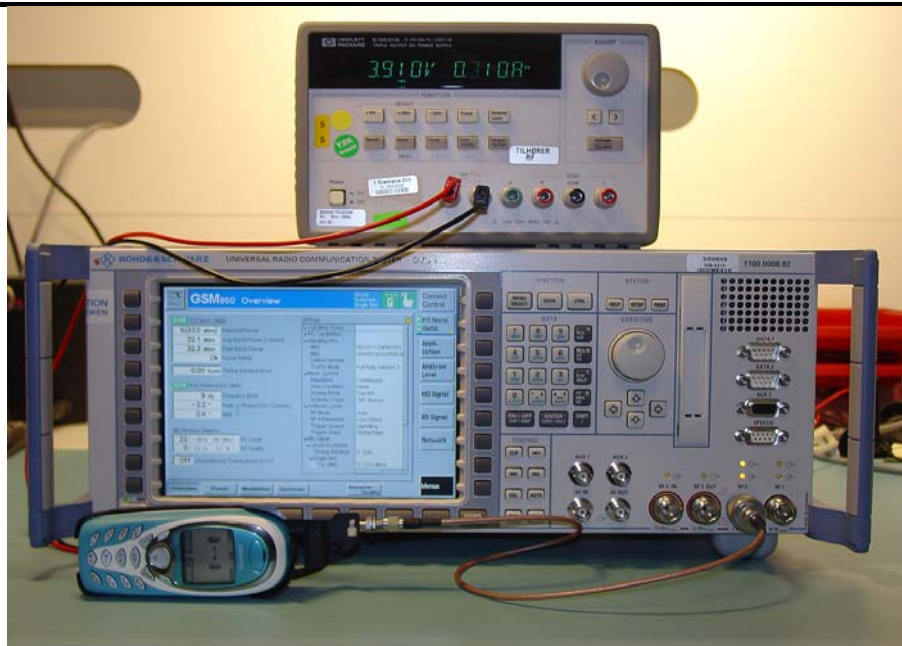


Figure 2: Set-up for conducted power measurement

4 Calibration Certificate



Kalibreringscertifikat Certificate of Calibration

Certifikat nr.: Certificate no.	2003-6957	Side: Page:	1 Af 26 of
Kunde: Client:	Siemens Mobile Phones A/S Siemens kaj 1 9400 Nørresundby	Udstyr: Equipment:	ROHDE & SCHWARZ UNIVERSAL RADIO COMM. TESTER CMU200
Kundes Inst.nr.: Equipment no.	508-0178	Serie nr.: Serial no.	837983/005
Modtaget: Received	13 mar 03	Kalibreret: Calibrated:	17 mar 03
Procedure: Procedure	A1020702-11429	Udført af: Performed by	Claus Stenberg Hansen

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

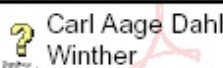
Instrumentet overholder anførte specifikationer med følgende bemærkninger:

- Målinger mærket med *) er ikke omfattet af akkreditering.
- Kalibrering er udført 'on site' hos kunde.

Måleresultater er gengivet i:

- Annex A - Test Report (Efter justering).
- Annex B - Incoming Test Report (Før justering).

Godkendt den: 10 apr 03
Approved

Af: 
By: Carl Aage Dahl Winther
Kalibreringschef

Digitally signed by
Carl Aage Dahl
Winther
DN: cn=Carl Aage
Dahl Winther, c=DK
Date: 2003.04.10
13:46:00 +02'00'

Prøvningsrapporten må kun gives 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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