

Test Report

Conducted Output Power GSM 1900

SIEMENS M65

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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 measurement. Using a special adapter and connecting to an appropriate load in terms of the input port of measurement equipment used, we report hereby the values for highest power setting.

2 Results

2.1 GSM 1900 Band

Device	Average Power during burst at connector		
	ARFCN 512 1850.2 MHz	ARFCN 661 1880.0 MHz	ARFCN 810 1909.8 MHz
Siemens M65, "Emission 1" IMEI: 004400.00.489123.7	+29.0 dBm	+29.2 dBm	+29.4 dBm
Siemens M65, "Emission 2" IMEI: 004400.00.480148.4	+29.0 dBm	+29.2 dBm	+29.4 dBm
Siemens M65, "SAR 1" IMEI: 004400.00.489662.7	+29.1 dBm	+29.3 dBm	+29.3 dBm
Siemens M65, "SAR 2" IMEI: 004400.00.480665.0	+29.0 dBm	+29.2 dBm	+29.2 dBm

Tab. 3: Results of power measurements at connector for Siemens M65

3 Minutes of Test

3.1 Description of Device under Test

Mobile Phone: Siemens M65
Frequency range GSM 900: 880 - 960 MHz
Frequency range GSM 1800: 1710 - 1880 MHz
Frequency range GSM 1900: 1850 - 1990 MHz
Siemens part number: S30880-S7150-*
FCC ID: PWX-M65
IC IC: 267E-M65

3.2 Measurement Set Up

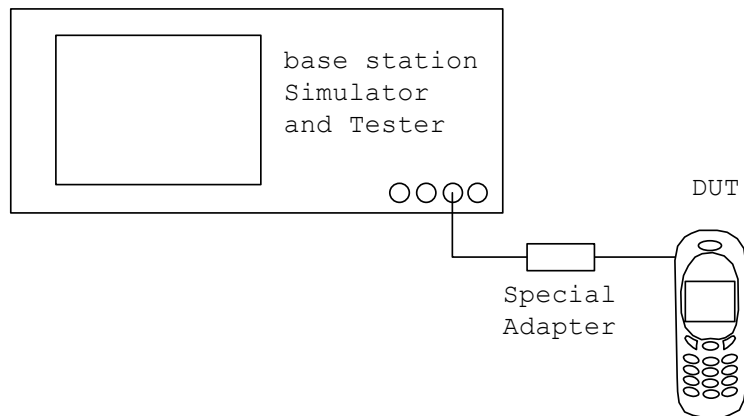


Fig. 1: Block diagram of set up for conducted power measurement.

Fig. 2: Set up for conducted power measurement.



4 Calibration Certificate

 ROHDE & SCHWARZ Messgerätebau GmbH	
Kalibrierschein <i>Calibration Certificate</i>	Nummer 20-95589 <i>Number</i>
Gegenstand <i>Item</i>	UNIVERSAL RADIO COMMUNICATION TESTER
Hersteller <i>Manufacturer</i>	ROHDE & SCHWARZ
Typ <i>Type</i>	CMU200
Material Nr. <i>Material No.</i>	1100.0008K02
Serial Nr. <i>Serial No.</i>	101484
Auftraggeber <i>Customer</i>	SIEMENS AG ICM AC SAS 3
Bestellung Nr. <i>Order No.</i>	0000031229
Ort u. Datum d. Kalibrierung <i>Place and date of calibration</i>	Memmingen, 2002-06-11
Umfang der Kalibrierung <i>Scope of calibration</i>	Standard Calibration
Eingangsprüfung <i>Performance on receipt</i>	
Kalibrierergebnis <i>Result of calibration</i>	Measurement results within specifications
Umfang des Kalibrierscheins <i>Extent of the certificate</i>	3 pages 79 pages test report
 ReNo. 20-95589 Cal 2002-06-11 Customized Due Date	
Ausstellungsdatum <i>Date of issue</i>	Laborleitung <i>Head of laboratory</i>
2002-06-12	 Steigmüller
	Bearbeiter <i>Person responsible</i>
	 Ramp
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