

Test Report

Conducted Output Power GSM 900, GSM 1800 and GSM 1900

SIEMENS M55

Report no: tbf
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Test Site

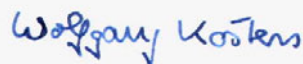
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1 Objective and Method

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 900 Band

Device	Average Power during burst at connector		
	ARFCN 975 880.2 MHz	ARFCN 38 897.6 MHz	ARFCN 124 914.8 MHz
Siemens M55, "FCC Sample 1" IMEI: 004999.51.206583.9	+32.0 dBm	+32.0 dBm	+31.8 dBm
Siemens M55, "FCC Sample 2" IMEI: 004999.51.206591.2	+32.0 dBm	+31.9 dBm	+31.9 dBm
Siemens M55, "SAR Sample 3" IMEI: 004999.51.206257.0	+31.8 dBm	+31.8 dBm	+31.8 dBm
Siemens M55, "SAR Sample 4" IMEI: 004999.51.206578.9	+32.0 dBm	+32.0 dBm	+31.8 dBm

Tab. 1: Results of power measurements at connector for Siemens M55.

2.2 GSM 1800 Band

Device	Average Power during burst at connector		
	ARFCN 512 1710.2 MHz	ARFCN 698 1747.4 MHz	ARFCN 885 1784.8 MHz
Siemens M55, "FCC Sample 1" IMEI: 004999.51. 206583.9	+29.8 dBm	+29.4 dBm	+29.2 dBm
Siemens M55, "FCC Sample 2" IMEI: 004999.51. 206591.2	+29.8 dBm	+29.4 dBm	+29.1 dBm
Siemens M55, "SAR Sample 3" IMEI: 004999.51. 206257.0	+30.0 dBm	+29.5 dBm	+29.3 dBm
Siemens M55, "SAR Sample 4" IMEI: 004999.51. 206578.9	+30.0 dBm	+29.3 dBm	+29.2 dBm

Tab. 2: Results of power measurements at connector for Siemens M55

2.3 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 M55, "FCC Sample 1" IMEI: 004999.51. 206583.9	+29.4 dBm	+29.2 dBm	+29.1 dBm
Siemens M55, "FCC Sample 2" IMEI: 004999.51. 206591.2	+29.3 dBm	+29.1 dBm	+29.0 dBm
Siemens M55, "SAR Sample 3" IMEI: 004999.51. 206257.0	+29.4 dBm	+29.2 dBm	+29.1 dBm
Siemens M55, "SAR Sample 4" IMEI: 004999.51. 206578.9	+29.4 dBm	+29.3 dBm	+29.2 dBm

Tab. 3: Results of power measurements at connector for Siemens M55

3 Minutes of Test

3.1 Description of Device under Test

Mobile Phone: Siemens M55
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-S6300-*
FCC ID: PWX-M55

3.2 Measurement Set Up

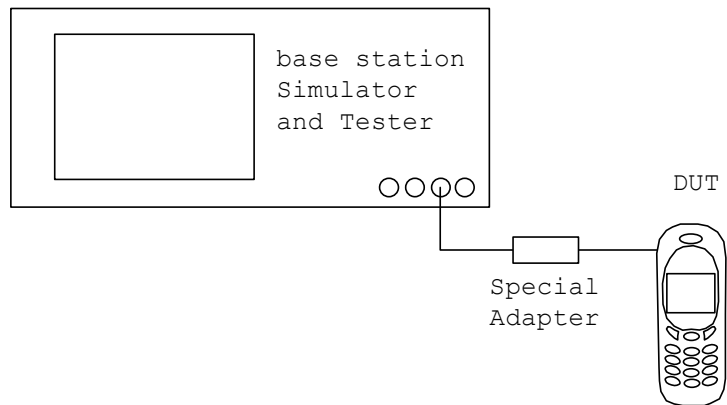
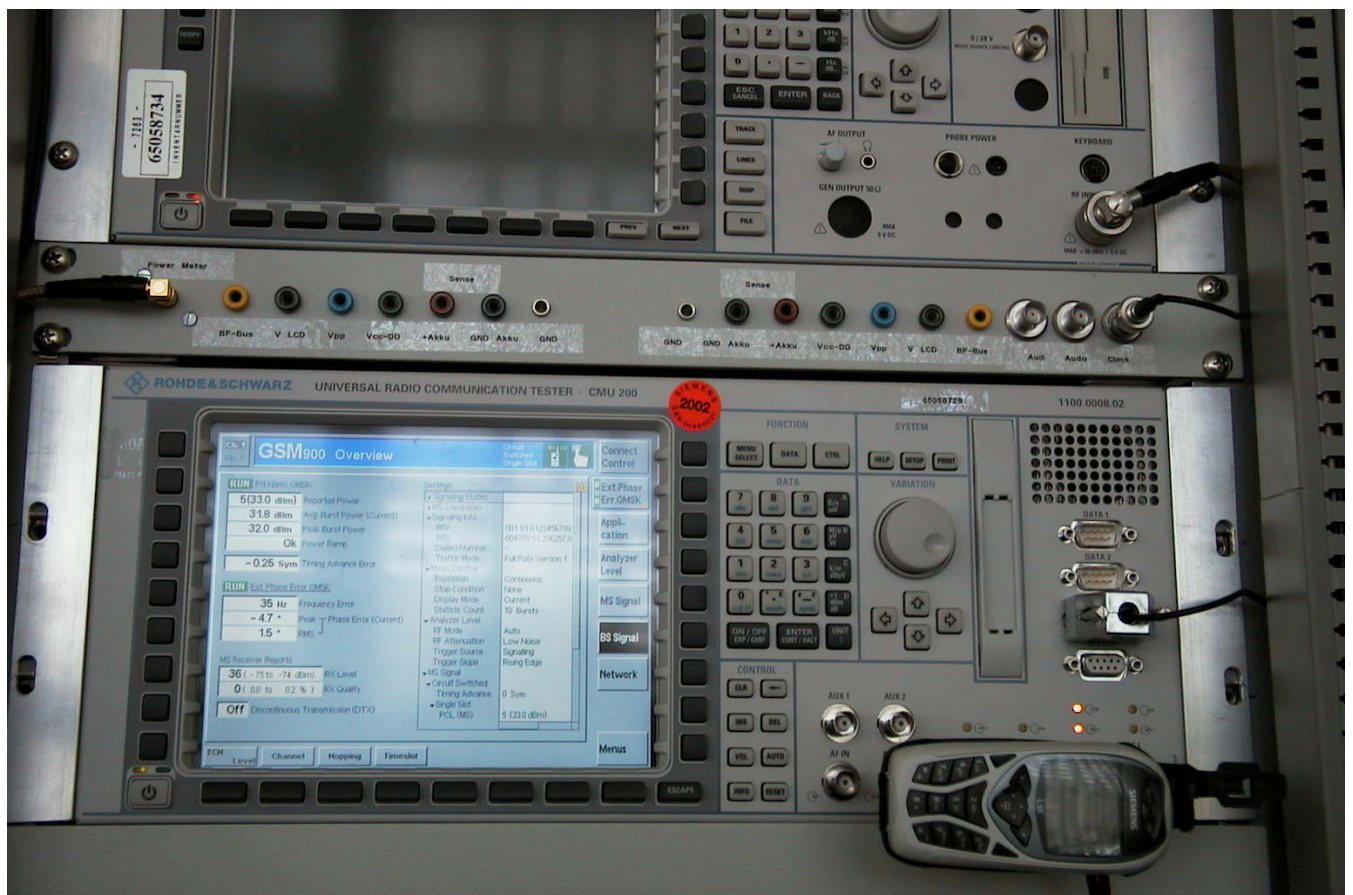


Fig. 1: Block diagram of set up for conducted power measurement.

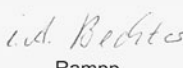
Fig. 2: Set up for conducted power measurement.



4 Calibration Certificate

 ROHDE & SCHWARZ Messgerätebau GmbH	
Kalibrierschein <i>Calibration Certificate</i>	65058729 Nummer <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


 RefNo. 20-95589
 Cal 2002-06-11 Customized Due Date

Ausstellungsdatum <i>Date of issue</i>	Laborleitung <i>Head of laboratory</i>	Bearbeiter <i>Person responsible</i>
2002-06-12	 Steigmüller	 Ramp

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 Sitz der Gesellschaft: München · Registergericht: Amtsgericht München HRB 1059

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