M46 Output Power 1/4

Test Report

Conducted Output Power GSM1900

SIEMENS M46

Report no: EMC_M46_12
Issue date: April 19, 2002

Test Site

SIEMENS ICM MP SAN
Information and Communication Mobile LLC
16745 West Bernardo Drive
Suite 400

San Diego, CA 92127-1903,

U.S.A.

Tel.: 858-521-3282 Fax.: 858-521-3106

Test Engineers

Ulrich Bettin Ricky L. Simpkins Sr.

Supervisor

Dr. Peter Nevermann RF Manager EMC+Antenna

M46 Output Power 2/4

Contents:

1	Objective and Method	2
2	Results	2
3	Minutes of Test	2
	3.1 Description of Device under Test	2
	3.2 Measurement Set Up	3
4	Calibration Certificate	4

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

	Average Power during burst at connector		
Device	ARFCN 512 1850.2 MHz	ARFCN 661 1880.0 MHz	ARFCN 810 1909.8 MHz
Siemens M46, "FCC1" IMEI: 00499951102994	29.8 dBm	29.9 dBm	29.9 dBm
Siemens M46, "FCC2" IMEI: 00499951102993	29.7 dBm	29.8 dBm	29.8 dBm

Tab. 1: Results of power measurements at connector for Siemens M46.

3 Minutes of Test

3.1 Description of Device under Test

Siemens Mobile Phone: M46

Frequency range: 1850-1990 MHz Monoband

Siemens part number: S30880-S7600-*

FCC ID: PWX-M46

M46 Output Power 3/4

3.2 Measurement Set Up

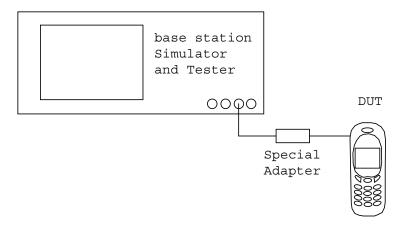


Fig. 1: Block diagram of set up for conducted power measurement.



Fig. 2: Set up for conducted power measurement.

Output Power 4/4

Calibration Certificate

Calibration Report

9235 Activity Road, Suite 107, San Diego, CA 92126 Ph. (858) 547-0217 Fax (858) 547-0241

Account:28651

Instrument: BB2015 RADIO COMMUNICATIONS TEST SET

Mfg:ROHDE & SCHWARZ	Model:CMU 200	Serial #:100529	
Size:	Resltn:NA	Report Date:11/07/01	

Job Number:D17466	P.O.:41S1301000	Report #: 85485	
Cust Ctrl:202219	Dept: HW	Location:NA	

Work Performed: Inspected and calibrated.

Customer: SIEMENS ICM SAN DIEGO, CA, 92127

page 1 of 1

Parts Replaced: None

Received Condition: In tolerance Returned Condition: In tolerance

Function Tested	Readings Before Readings After Tole	rance
	ALL PARAMETERS TESTED FOUND TO BE WITHIN	
	MANUFACTURER'S SPECIFICATIONS.	
30.		
The second secon		

Services provided conform to ANSI/NCSL Z540-1-1994 (Formerly Mil-Std 45662A). All work performed complies with MPC Quality System QM 540-94, Rev 1c.

Standards Used	Due Date	Traceability Ref	Model
ANALYZER, SPECTRU 8592L	062202	2453X189401	8592L
GENERATOR, SIGNAL 83640A	062202	2453W813201	83640A
RECEIVER, MEASURI 8902A	030502	2453T594801	8902A
MODULE, SENSOR 11722A	032702	2453X040101	11722A
	GENERATOR, SIGNAL 83640A RECEIVER, MEASURI 8902A	GENERATOR, SIGNAL 83640A 062202 RECEIVER, MEASURI 8902A 030502	GENERATOR, SIGNAL 83640A 062202 2453W813201 RECEIVER, MEASURI 8902A 030502 2453T594801

Environmental:72F 43% RH

Test Date:110601

Uncertainty of test:Accuracy Ratio > 4:1 Cycle:12

Cal Procedure: MANUFACTURER

Due Date: 110602

Technician: CHAD INNISS

Quality Approval:

Rev 3 03/00

All standards used are either traceable to the National Institute of Standards or have intrinsic accuracy. All services performed have used proper manufacturer and industrial service techniques and are warranted for no less than (30) days. This report may not be reproduced in part without written permission of Micro Precision's Quality Assurance Manager.