

Test Report

Conducted Output Power GSM850 and PCS1900 Siemens A21a

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Signed

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1 Objective and Method

FCC approval for mobile phone requires reporting output power at RF output terminal pursuant to title 47 CFR part 2.1046. BenQ 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 Device under test

Mobile Phone: Siemens AL21a (GSM850/GSM1800/PCS1900)

Frequency Range GSM 850: 824 – 895 MHz Frequency Range PCS 1900: 1850 – 1990 MHz

There are 6 devices has been tested listed in "Chapter 4 Test Result".

3 Measurement Set-up

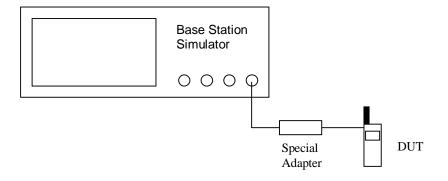


Figure 1: Block Diagram of set-up for conducted power measurement

Base Station Simulator	CMU 200
Serial Number	106672
Software Version	Base 3.81 / GSM 3.80
Calibration Certification	Annex 1

Test Voltage: 4.0 V

Temperature: Room Temperature





Figure 2: Set-up for conducted power measurement



4 Test Result

Conducted Output Power (GSM 850 Band)

E	EUTs		Average Power during burst at phone connector (dBm)		
AL21a	IMEI	Ch. 128 824.2 MHz	Ch. 190 836.6 MHz	Ch. 251 848.8 MHz	
SAR approval Sample #1	004401430049276	31.7	31.8	31.9	
SAR approval Sample #2	004401430049268	31.7	31.8	31.9	
FCC Emission Sample #3	004401430045134	31.7	31.7	31.8	
FCC Emission Sample #4	004401430048526	31.7	31.8	31.9	
FCC Emission Sample #5	004401430049474	31.7	31.8	32.0	
FCC Emission Sample #6	004401430048807	31.7	31.8	31.9	

Conducted Output Power (GSM 1900 Band)

EUTs		Average Power during burst at phone connector (dBm)		
AL21a	IMEI	Ch. 512 1850.2 MHz	Ch. 661 1880.0 MHz	Ch. 810 1909.8 MHz
SAR approval Sample #1	004401430049276	29.2	29.2	29.0
SAR approval Sample #2	004401430049268	29.2	29.2	29.0
FCC Emission Sample #3	004401430045134	29.2	29.2	29.1
FCC Emission Sample #4	004401430048526	29.1	29,2	29,0
FCC Emission Sample #5	004401430049474	29.1	29.2	29.0
FCC Emission Sample #6	004401430048807	29.2	29.2	29.0



		ROHDE & SCHWAR Messcerätebau GmbH		
Kalibrierschein		Nummer 20-144921		
Calibration Certificate		Number		
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E ROPERSONNEZ 1000 70. 56.4321 2004-12-15 Terrelation 2004-12-15		other than in ful. Calibration contilicates we aspectures are not valid. The user is obliged to have the item recalib- at appropriate intervals.		
Ausstellungsdatum Date of Jasus	Laboristung Plead of laboratory	Bearbeiler Person responsible		
2004-12-15	Melle	Alexancer Bons Progr		