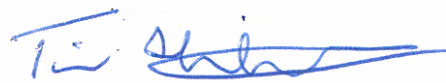


Date: ESPOO 11.11.2005Page: 1 (7)Appendices -Number:
No. 1 / 1**51750B**

Date of handing in: 11.11.2005

Tested by:



Timo Hietala, Test Engineer

Reviewed by:



Jyrki Leino, Market Access Manager

SORT OF EQUIPMENT:

Triple band (EGSM 900, GSM 1800/1900) mobile phone

MARKETING NAME:

Siemens CC75

TYPE:

Siemens CC75

MANUFACTURER:

Siemens

CLIENT:

Elcoteq Design Center Oy

ADDRESS:

Joensuunkatu 13, FI-24100 SALO

TELEPHONE:

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TEST LABORATORY:

Nemko Oy

FCC REG. NO.

91087 August 24, 2004

IC FILE NO.

IC 4627 July 2, 2003**SUMMARY:**

In regard to the performed tests the equipment under test fulfils the requirements defined in the test specifications, see page 2 for details

The test results are valid for the tested unit only. Without a written permission of Nemko Oy it is allowed to copy this report as a whole, but not partially.

Summary of performed tests and test results

<i>Section in CFR 47</i>		<i>Result</i>
2.1046, 24.232	Conducted RF output power	PASS

Explanations:

PASS The EUT passed that particular test.
FAIL The EUT failed that particular test.
X The measurement was done, but there is no applicable performance criteria.

Contents

Summary of performed tests and test results	2
1. EUT and Accessory Information	4
1.1 EUT description.....	4
1.2 EUT and accessories	4
2. Standards and measurement methods	5
3. Test results.....	5
3.1 Conducted RF output power.....	5
3.1.1 Test method and limit.....	5
3.1.2 Limit.....	5
3.1.3 EUT operation mode	5
3.1.4 Test results	5
4. List of test equipment	6
5. Photographs	7

1. EUT and Accessory Information

1.1 EUT description

The EUT is a triple band (EGSM-900, GSM-1800/1900) mobile phone, it is also a GPRS class 10 transceiver.

1.2 EUT and accessories

	<i>unit</i>	<i>type</i>	<i>S/N</i>
<i>EUT1</i>	Mobile phone	Siemens CC75	357182000001771 HW: PWB4 SW: 2.0
<i>Accessories</i>	Battery	V30145-K1310-X373	VAC5A050812

2. Standards and measurement methods

The tests were performed in guidance of the CFR 47 part 24, part 2, ANSI/TIA/EIA-603-A

3. Test results

3.1 Conducted RF output power

The test was performed as a compliance test. The test parameters concerned were as follows:

<i>EUT</i>	EUT1
<i>Site name</i>	Nemko Oy / Perkkaa
<i>Date of testing</i>	11.11.2005
<i>Test equipment</i>	545
<i>Test conditions</i>	22 °C, 30 % RH
<i>Test result</i>	PASS

3.1.1 Test method and limit

The test was performed inside a shielded room. Special adapter was used to connect the EUT to the BS simulator, which was used to set the TX channel and power level and modulate the TX signal with different bit patterns. The transmitter output power is the average value of the power delivered to an artificial antenna by the MS, over the time that the useful information bits of one burst are transmitted.

3.1.2 Limit

<i>Power level</i>	<i>Nominal power (dBm)</i>
0	30 ± 2 dB

3.1.3 EUT operation mode

<i>EUT operation mode</i>	GSM 1900, TX ON, 1 time slot transmission, audio PRBS 2E9-1 modulation, GMSK modulation
<i>EUT channel</i>	512, 661, 810
<i>EUT power level</i>	0 (+ 30 dBm)

3.1.4 Test results

<i>EUT, GSM1900</i>	<i>Channel 512 1850.2 MHz</i>	<i>Channel 661 1880.0 MHz</i>	<i>Channel 810 1909.8 MHz</i>	<i>Power</i>
EUT1	29.3	29.4	29.4	[dBm]

4. List of test equipment

Each active test equipment is calibrated once a year, antennas every 18 months and other passive equipment every 24 months.

Nr.	Equipment	Type	Manufacturer	Serial number
42	Spectrum analyzer	8566B	Hewlett Packard	2637A04102
76	Power supply	B32-30R	Oltronix	537
316	Power supply	HP 6032A	Hewlett Packard	2517A-00654
157	Temp. test chamber	VMT 04/240	Vötsch	31884
184	Temp. & humidity meter	H MI 32	Vaisala	63837
89	Antenna	3147	EMCO	9202-1078
319	Antenna	CBL6112	Chase	2018
348	Shielded room	RFSD-100	Euroshield Oy	1320
350	Semianechoic shielded room	RFD-F-100	Euroshield Oy	1327
351	RF generator	SMT 06	Rohde & Schwarz	845715/001
519	RF High-Power Attenuator	765-20	Narda	
525	Double-Ridged Horn	3115	Emco	6691
542	Double-Ridged Horn	3115	Emco	00023905
544	RF-amplifier	ZFL-2000VH2	Mini-Circuits	D01080
564	RF-amplifier	CA018-4010	CIAO Wireless	101
545	GSM MS Test System	CMU 200	Rohde & Schwarz	836536/049
552	Highpass Filter	WHK2.3/18G-10SS	Wainwright Instruments	1
550	Notch Filter	WRCD1800/2000-0.2/40-5SSSD	Wainwright Instruments	1
X1	RF-Generator	8341B	Hewlett Packard	2802A01090
X2	Power splitter	1870A	Weinschel	1798

5. Photographs

