TCC
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T117 (EN ISO/IEC 17025)

SAR Compliance Test Report

Test report no.:	Salo_SAR_0626_01	**Date of report:**	2006-06-26
Template version:	5	**Number of pages:**	4
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Responsible test engineer:	Virpi Tuominen	**Product contact person:**	Robert Binder
Measurements made by:	Janne Hirsimäki, Virpi Tuominen		
Tested device:	RM-153		
FCC ID:	QVVRM-153	**IC:**	661AE-RM153
Supplement reports:	Salo_SAR_0605_03 for RM-55 / FCC ID: QVVRM-55 / IC ID: 661AE-RM55		

Testing has been carried out in accordance with:

47CFR §2.1093
Radiofrequency Radiation Exposure Evaluation: Portable Devices

FCC OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01)
Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields

RSS-102
Evaluation Procedure for Mobile and Portable Radio Transmitters with Respect to Health Canada's Safety Code 6 for Exposure of Humans to Radio Frequency Fields

IEEE 1528 - 2003
IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques

Documentation: The documentation of the testing performed on the tested devices is archived for 15 years at TCC Nokia.

Test results: **The tested device complies with the requirements in respect of all parameters subject to the test.** The test results and statements relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory.

Date and signatures:

For the contents:

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Virpi Tuominen
Test System Manager

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1. SUMMARY OF SAR TEST REPORT

1.1 Maximum Results

The maximum measured SAR values for Head configuration and Body Worn configuration are given in section 1.1.1 and 1.1.2 respectively. The device conforms to the requirements of the standard(s) when the maximum measured SAR value is less than or equal to the limit.

1.1.1 Head Configuration

Mode	Ch / *f* (MHz)	Radiated power	Position	Measured SAR value (1g avg)	Scaled* SAR value (1g avg)	SAR limit (1g avg)	Result
3-slot GPRS1900	810/1909.8	28.5dBm EIRP	Right, Cheek	0.61 W/kg	**0.68 W/kg**	1.6 W/kg	PASSED

1.1.2 Body Worn Configuration

Mode	Ch / *f* (MHz)	Radiated power	Separation distance	Measured SAR value (1g avg)	Scaled* SAR value (1g avg)	SAR limit (1g avg)	Result
3-slot GPRS1900	661 / 1880.0	28.7 dBm EIRP	1.5cm	1.02 W/kg	**1.14 W/kg**	1.6 W/kg	PASSED

*SAR values are scaled up by 12% to cover measurement drift.

Note: The SAR values given in the tables in 1.1.1 and 1.1.2 have been taken from SAR report number Salo_SAR_0605_03 for RM-55. RM-153 is identical to RM-55 in the modes and bands listed in the tables and differs from RM-55 only in that WCDMA2100 and WLAN2450 capabilities have been removed.

2. DESCRIPTION OF THE DEVICE UNDER TEST

Device category	Portable
Exposure environment	General population / uncontrolled

Modes and Bands of Operation	GSM 1900	GPRS 1900	EGPRS 1900	BT
Modulation Mode	GMSK	GMSK	GMSK / 8PSK	GFSK
Duty Cycle	1/8	1/8 to 3/8	1/8 to 3/8	
Transmitter Frequency Range (MHz)	1850 - 1910	1850 - 1910	1850 - 1910	2402-2480

Outside of USA and Canada, the transmitter of the device is capable of operating also in 900/1800 MHz bands, which are not part of this filing.