TCC
Nokia

FINAS
Finnish Accreditation Service
T117 (EN ISO/IEC 17025)

Test setup photos for RM-160
SAR Compliance Test Report

Test report no.:	Salo_SAR_0725_04	**Date of report:**	2007-07-05
Template version:	5.0	**Number of pages:**	5
Testing laboratory:	TCC Nokia Salo Laboratory P.O.Box 86 Joensuunkatu 7H / Kiila 1B FIN-24101 SALO, FINLAND Tel. +358 (0) 7180 08000 Fax. +358 (0) 7180 45220	**Client:**	Nokia Corporation P.O. Box 68 Sinitaival 5 FIN-33721 TAMPERE, FINLAND Tel. +358 (0) 7180 08000 Fax. +358 (0) 7180 46880
Responsible test engineer:	Janne Hirsimäki	**Product contact person:**	Tuomo Pursiheimo
Measurements made by:	Janne Hirsimäki, Virpi Tuominen		
Tested device:	RM-160		
FCC ID:	PDNRM-160	**IC:**	661R-RM160
Supplement reports:	Salo_SAR_0725_03		

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 Technique

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:

Digitally signed by Janne Hirsimaki
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1. SUMMARY OF SAR TEST REPORT

1.1 Test Details

Period of test	2007-06-18 to 2007-07-02
SN, HW and SW numbers of tested device	SN: 004400/82/172025/5, HW: 4000, SW: V 10.2.001, DUT: 12017 SN: 004400/82/172024/8, HW: 4000, SW: V 10.2.001, DUT: 12016
Batteries used in testing	BL-6F, DUT: 11937, 11938, 11981, 11982
Headsets used in testing	HS-45 + AD-43, DUT: 12015, 12014
Other accessories used in testing	-
State of sample	Prototype unit
Notes	-

1.2 Picture of the Device

2. TEST POSITIONS

2.1 Against Phantom Head

Measurements were made in “cheek” and “tilt” positions on both the left hand and right hand sides of the phantom.

The positions used in the measurements were according to 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".

Photo of the device in “cheek” slide closed position

Photo of the device in “tilt” slide closed position

Photo of the device in “cheek” slide open position

Photo of the device in “tilt” slide open position

Photo of the device in “cheek” slide in MPS position

Photo of the device in “tilt” slide in MPS position

“Slide” means the keypad slide
“MPS” means the Multimedia Player slide

2.2 Body Worn Configuration

The device was placed in the SPEAG holder using the Nokia spacer and placed below the flat section of the phantom. The distance between the device and the phantom was kept at the separation distance indicated in the photo below using a separate flat spacer that was removed before the start of the measurements. The device was oriented with its antenna facing the phantom since this orientation gives higher results.

Photo of the device positioned for Body SAR measurement.
The spacer was removed for the tests.