

Test Setup photos for RM-824 SAR Compliance Test Report

Test report no.:	SAR_Photo_RM-824_04	Date of report:	2012-09-04
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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 86 Joensuunkatu 7 FIN-24101 SALO, FINLAND Tel. +358 (0) 7180 08000 Fax. +358 (0) 7180 44277
Responsible test engineer:	Alina Tähkäpää	Product contact person:	Tia Melava
Measurements made by:	Nina Koskinen, Juha-Matti Varjonen, Jani Tuomela, Janne Hirsimäki, Virpi Tuominen, Olli Moisio		
Tested device:	RM-824		
FCC ID:	PYARM-824	IC:	661V-RM824
Supplement reports:	FCC_RM-824_03		
Testing has been carried out in accordance with:	<p>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</p> <p>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</p> <p>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</p>		
Documentation:	The documentation of the testing performed on the tested devices is archived for 15 years at TCC Nokia.		
Test results:	<p>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.</p>		

Date and signatures:

For the contents:

SAR Report
SAR_Photo_RM-824_04
Applicant: Nokia Corporation

Type: RM-824

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1. SUMMARY OF SAR TEST REPORT

1.1 Test Details

Period of test	2012-07-02 to 2012-08-27
SN, HW and SW numbers of tested device	SN: 004402/13/976059/3, HW: 2210, SW: 1225.0001.8422.9704.68, DUT: 16501 SN: 004402/13/976065/0, HW: 2210, SW: 1225.0001.8422.9704.68, DUT: 16500 SN: 004402/13/976081/7, HW: 2210, SW: 1225.0001.8422.9704.68, DUT: 16499 SN: 004402/13/976064/3, HW: 2210, SW: 1121.0002.8297.9657.110, DUT: 16502 SN: 004402/13/976060/1, HW: 2210, SW: 1121.0002.8297.9657.110, DUT: 16503 SN: 004402/13/976165/8, HW: 2210, SW: 1225.0001.8422.9704.68, DUT: 16521 SN: 004402/13/976171/6, HW: 2210, SW: 1230.0015.8441.9735.255, DUT: 16611 SN: 004402/13/976156/7, HW: 2210, SW: 1230.0015.8441.9735.255, DUT: 16612
Batteries used in testing	BP-5T, DUT: 16490, 16491, 16492, 16493, 16494, 16495, 16504, 16505, 16506, 16507, 16520
Headsets used in testing	WH-208, DUT: 16496, 16497, 16498
Other accessories used in testing	Cover CC-3058 Standard/default back cover Cover CC-3401 Optional Wireless Charging back cover
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" position



Photo of the Device in "tilt" position

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 both sides facing the phantom to find the highest results.

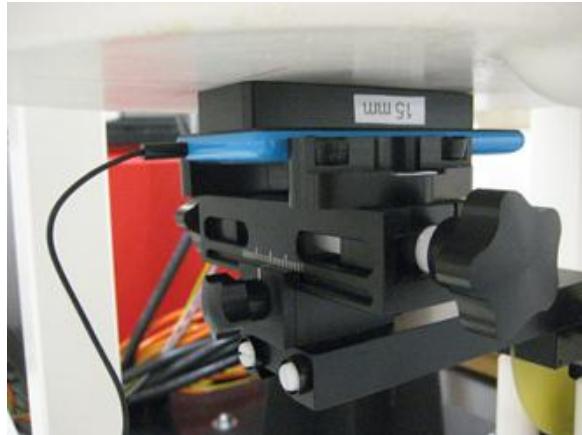


Photo of the device positioned for Body SAR measurement.
The spacer was removed for the tests.

Nokia body-worn accessories are commonly available for the separation distance used in this testing.

2.3 Wireless Router Configuration

The device was placed in the SPEAG holder using the Nokia spacer and, in sequence, the back, display and each of the 4 edges was positioned 10.0mm away from the flat phantom. The spacer was removed before the start of the measurements.

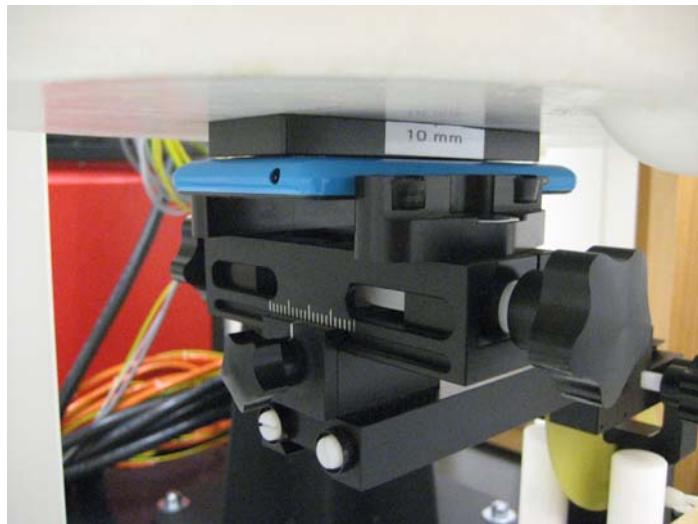


Photo of the device positioned for WR mode measurement – back facing phantom.
The spacer was removed before the start of the measurements.

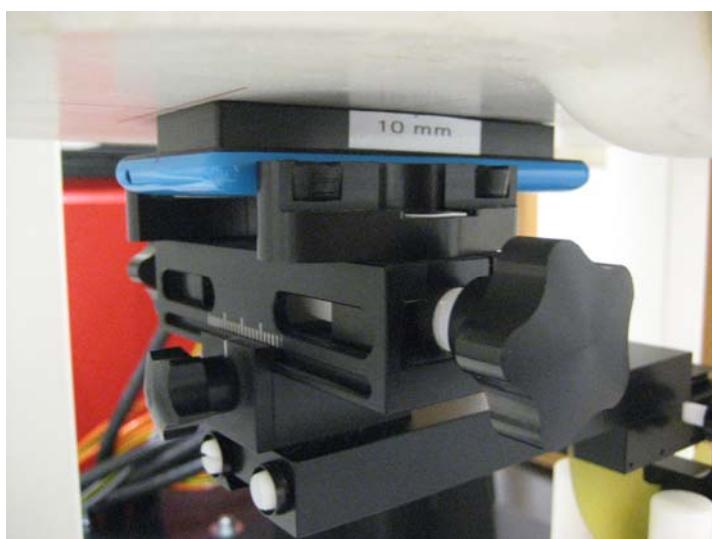


Photo of the device positioned for WR mode measurement – display facing phantom.
The spacer was removed before the start of the measurements.

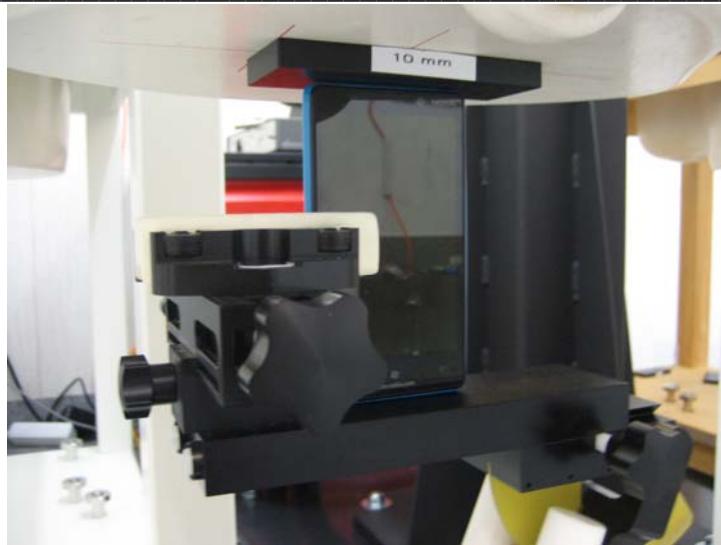


Photo of the device positioned for WR mode measurement – top edge facing phantom.
The spacer was removed before the start of the measurements.

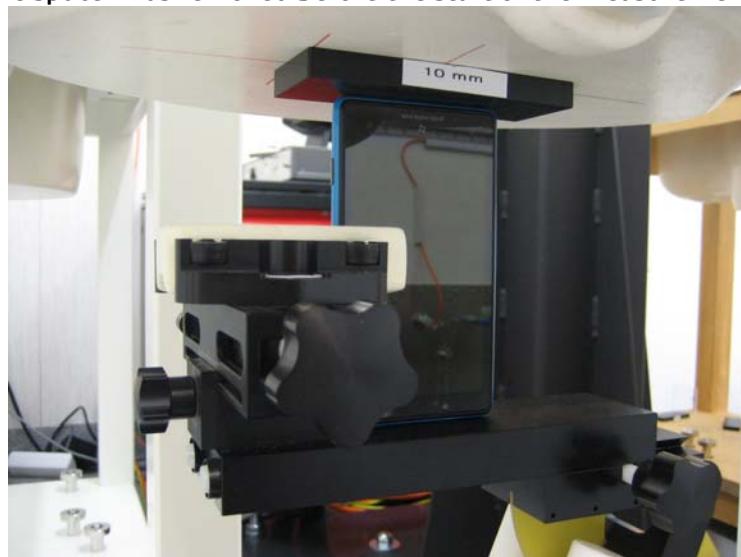


Photo of the device positioned for WR mode measurement – bottom edge facing phantom.
The spacer was removed before the start of the measurements.

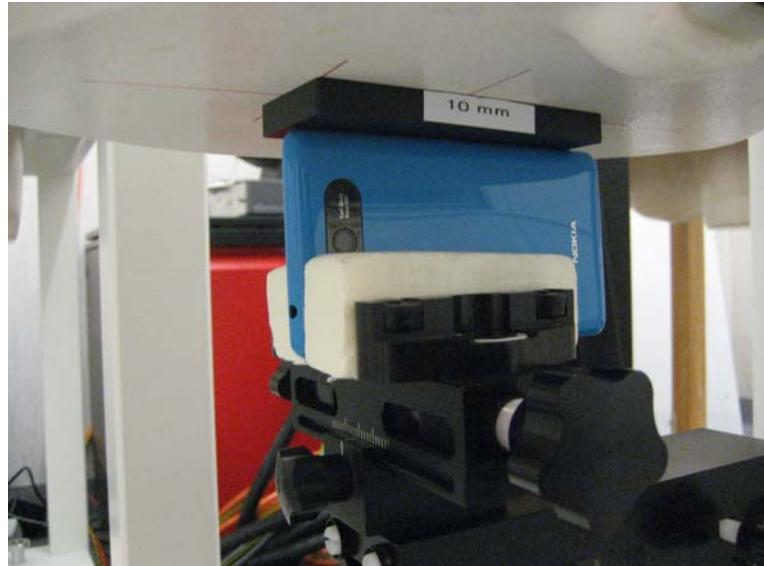


Photo of the device positioned for WR mode measurement – left edge facing phantom.
The spacer was removed before the start of the measurements.

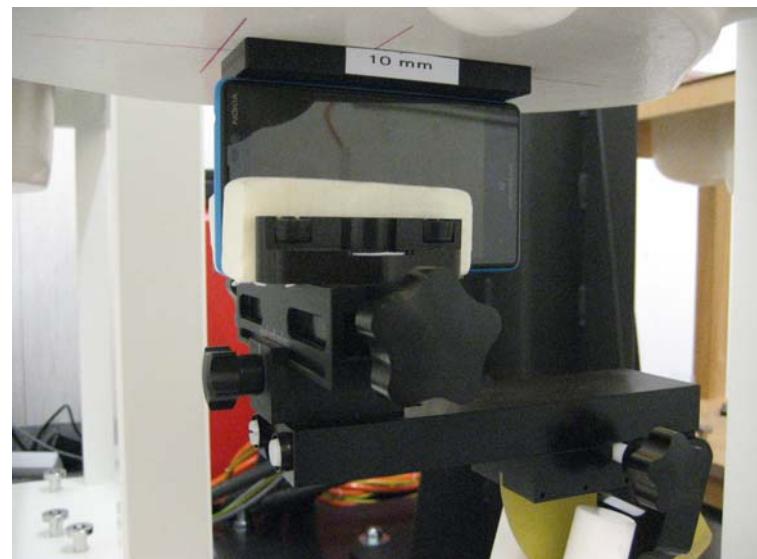


Photo of the device positioned for WR mode measurement – right edge facing phantom.
The spacer was removed before the start of the measurements.