

## Test Setup photos for RM-823 SAR Compliance Test Report

<b>Test report no.:</b>	SAR_Photo_RM-823_04	<b>Date of report:</b>	2012-02-14
<b>Template version:</b>	18.0	<b>Number of pages:</b>	7
<b>Testing laboratory:</b>	TCC Nokia Salo Laboratory P.O.Box 86 Joensuukatu 7H / Kiila 1B FIN-24101 SALO, FINLAND Tel. +358 (0) 7180 08000 Fax. +358 (0) 7180 45220	<b>Client:</b>	Nokia Corporation 12278 Scripps Summit Drive SAN DIEGO CA. 92131 USA Tel. +1 858 831 5000 Fax. +1 858 831 6500
<b>Responsible test engineer:</b>	Alina Tähkäpää	<b>Product contact person:</b>	Sonja Länkinen
<b>Measurements made by:</b>	Jani Tuomela, Teuvo Miettinen, Alina Tähkäpää, Juha-Matti Varjonen		
<b>Tested device:</b>	RM-823		
<b>FCC ID:</b>	QMNRM-823	<b>IC:</b>	-
<b>Supplement reports:</b>	FCC_RM-823_03		
<b>Testing has been carried out in accordance with:</b>	<b>47CFR §2.1093</b> Radiofrequency Radiation Exposure Evaluation: Portable Devices <b>FCC OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01)</b> Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields <b>RSS-102</b> 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 <b>IEEE 1528 - 2003</b> IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Technique		
<b>Documentation:</b>	The documentation of the testing performed on the tested devices is archived for 15 years at TCC Nokia.		
<b>Test results:</b>	<b>The tested device complies with the requirements in respect of all parameters subject to the test.</b> 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.		
<b>Date and signatures:</b>			
For the contents:			

---

**CONTENTS**

<b>1. SUMMARY OF SAR TEST REPORT .....</b>	<b>3</b>
1.1 TEST DETAILS.....	3
1.2 PICTURE OF THE DEVICE.....	3
<b>2. TEST POSITIONS .....</b>	<b>4</b>
2.1 AGAINST PHANTOM HEAD .....	4
2.2 BODY WORN CONFIGURATION .....	4
2.3 WIRELESS ROUTER CONFIGURATION.....	5

**1. SUMMARY OF SAR TEST REPORT**

**1.1 Test Details**

Period of test	2011-12-20 to 2012-01-04
SN, HW and SW numbers of tested device	SN: 004402/13/744052/9, HW: 0202, SW: WK49, DUT: 16109 SN: 004402/13/744061/0, HW: 0202, SW: WK49, DUT: 16105 SN: 004402/13/744074/3, HW: 0202, SW: WK49, DUT: 16106 SN: 004402/13/744037/0, HW: 0202, SW: WK49, DUT: 16110 SN: 004402/13/744029/7, HW: 0202, SW: WK49, DUT: 16111
Batteries used in testing	-
Headsets used in testing	WH-902, DUT: 16118, 16119
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" 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 display, back 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 – display facing 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 – 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.