

Test Setup photos for RM-845 SAR Compliance Test Report

Test report no.:	SAR_Photo_RM-845_04	Date of report:	2012-08-13
Template version:	18.0	Number of pages:	8
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 TCC Nokia San Diego Laboratory	Client:	Nokia Corporation 16620 West Bernardo Drive SAN DIEGO CA. 92127 USA Tel. +1 858 831 5000 Fax. +1 858 385 1598
Responsible test engineer:	Virpi Tuominen	Product contact person:	Victoria Abadilla
Measurements made by:	Angelina Belden, Jose Gomez, Ray Ventura, Janne Hirsimäki, Nina Koskinen, Teuvo Miettinen, Olli Moisio, Jani Tuomela, Juha-Matti Varjonen		
Tested device:	RM-845		
FCC ID:	QMNRM-845	IC:	661X-RM845
Supplement reports:	FCC_RM-845_05		
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:			

CONTENTS

1. SUMMARY OF SAR TEST REPORT	3
1.1 TEST DETAILS.....	3
1.2 PICTURE OF THE DEVICE.....	3
2. TEST POSITIONS	4
2.1 AGAINST PHANTOM HEAD	4
2.2 BODY WORN CONFIGURATION	5
2.3 WIRELESS ROUTER CONFIGURATION.....	6

1. SUMMARY OF SAR TEST REPORT

1.1 Test Details

Period of test	2012-07-18 to 2012-09-04
SN, HW and SW numbers of tested device	SN: C1A138246/E2, HW: 0209, SW: 1525.0003.8422.9710.12271, DUT: 16538 SN: C1A138254/F2, HW: 0209, SW: 1525.0003.8422.9710.12271, DUT: 16539 SN: C1A138405/FF2, HW: 0209, SW: 1525.0003.8422.9710.12271, DUT: 16540 SN: C1A138294/B1, HW: 0209, SW: 1525.0003.8422.9710.12271, DUT: 30598 SN: C1A138373/C1, HW: 0209, SW: 1525.0003.8422.9710.12271, DUT: 30608/16575 SN: C1A138226/D1, HW: 0209, SW: 1525.0003.8422.9710.12271, DUT: 30614 SN: C1A138211/A2, HW: 0209, SW: 1525.0003.8422.9710.12271, DUT: 30597 SN: C1A138245/D2, HW: 0209, SW: 1525.0003.8422.9710.12271, DUT: 30613 SN: C1A138223/G1, HW: 0209, SW: 1525.0003.8422.9710.12271, DUT: 16537 SN: C1A138344/G4, HW: 0209, SW: 1525.0003.8422.9710.12271, DUT: 16854 SN: C1A138332/BC1, HW: 0209, SW: 1525.0003.8422.9710.12271, DUT: 30667
Batteries used in testing	BP-4W, DUT: 16524, 16525, 16526, 16527, 16528, 16529, 16530, 16531, 16532, 16533, 30601, 30602, 30607, 30609, 30610
Headsets used in testing	WH-902, DUT: 16534, 16535, 30648
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".

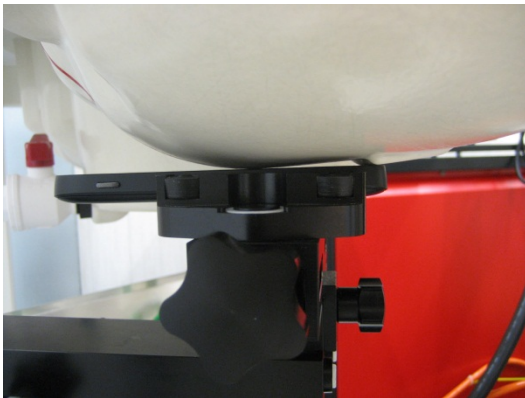


Photo of the Device in "cheek" position



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.

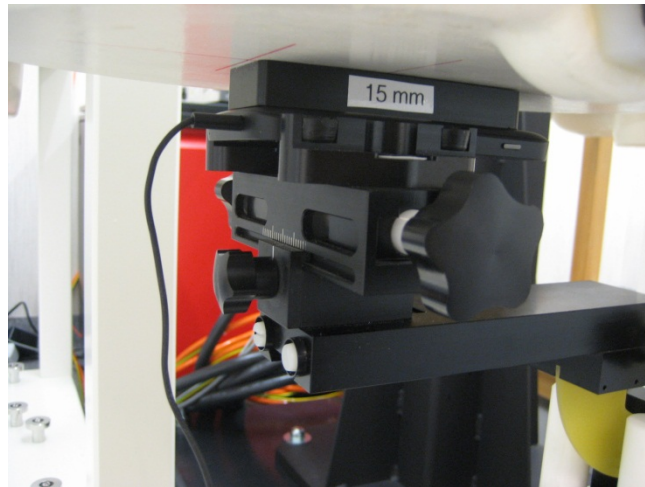


Photo of the device positioned for Body SAR measurement.
The spacer was removed for the tests.

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 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.

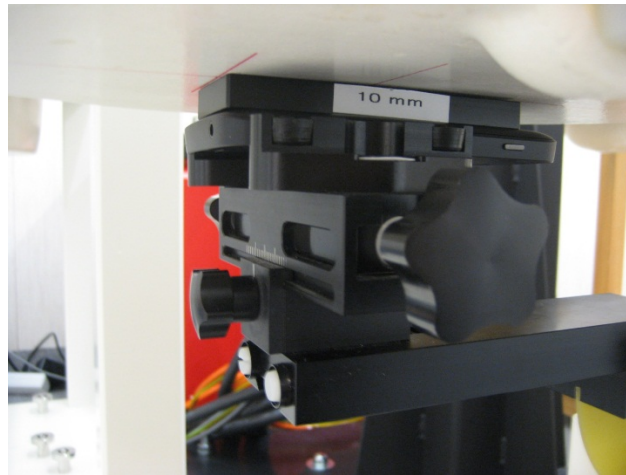


Photo of the device positioned for WR mode measurement –back facing phantom.
The spacer was removed before the start of the measurements.

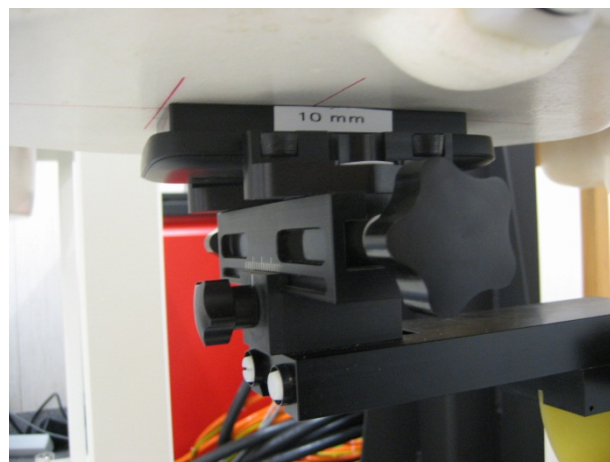


Photo of the device positioned for WR mode measurement – display facing phantom.
The spacer was removed before the start of the measurements.

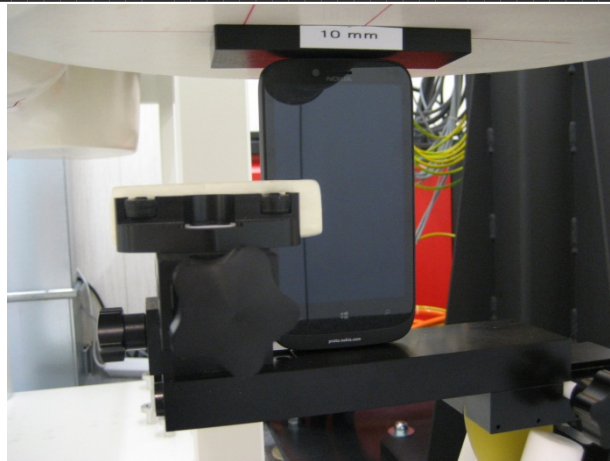


Photo of the device positioned for WR mode measurement – top edge facing phantom.
The spacer was removed before the start of the measurements.

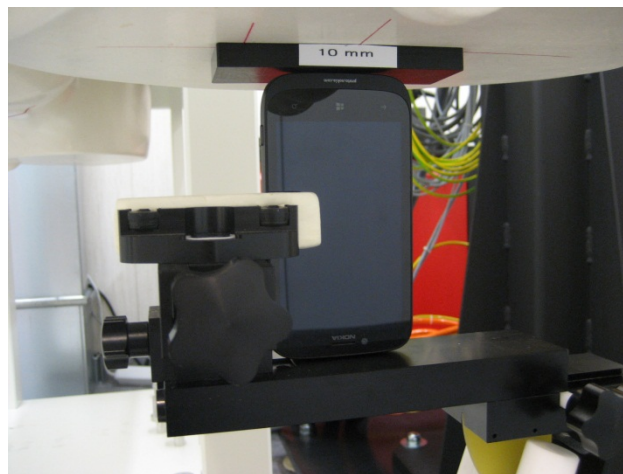


Photo of the device positioned for WR mode measurement – bottom edge facing phantom.
The spacer was removed before the start of the measurements.

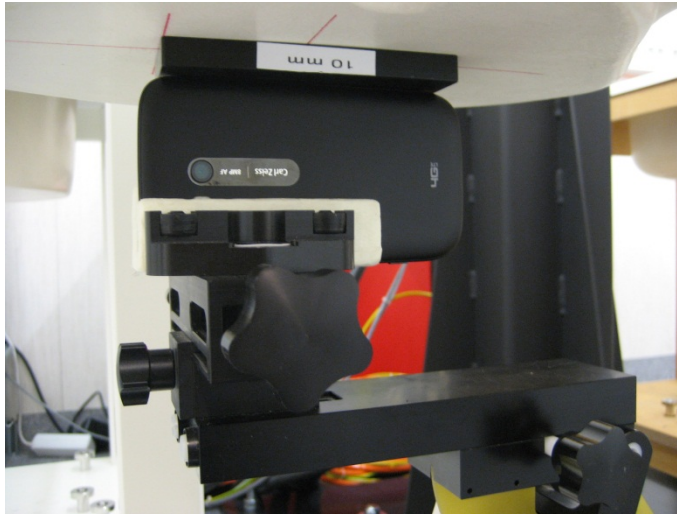


Photo of the device positioned for WR mode measurement – left edge facing phantom.
The spacer was removed before the start of the measurements.

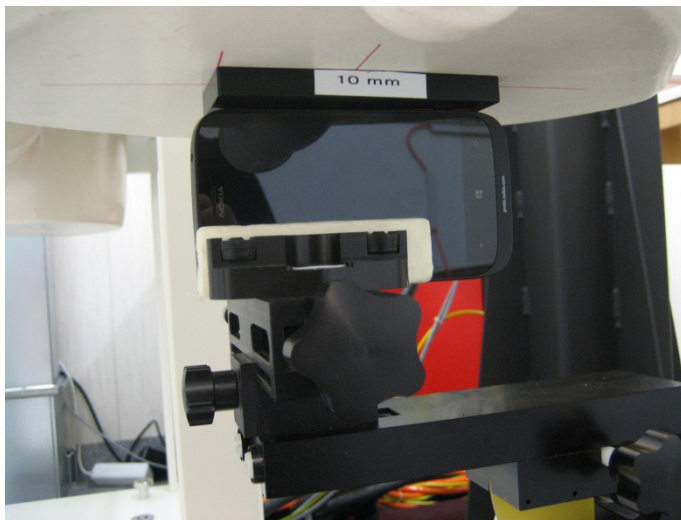


Photo of the device positioned for WR mode measurement – right edge facing phantom.
The spacer was removed before the start of the measurements.