Test Setup photos for RM-984
SAR Compliance Test Report

Test report no.:	FCC_RM-984_03	**Date of report:**	2014-07-17
Template version:	19.7	**Number of pages:**	8
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Responsible test engineer:	Janne Hirsimäki	**Product contact person:**	Victoria Abadilla
Measurements made by:	Marko Laaksonen, Nina Koskinen, Sami Savela, Jani Tuomela, Eva Lehtinen		
Tested device:	RM-984		
FCC ID:	QMNRM-984	**IC:**	-
Supplement reports:	FCC_RM-984_03		
Testing has been carried out in accordance with:	**47CFR §2.1093** Radiofrequency Radiation Exposure Evaluation: Portable Devices **FCC published RF exposure KDB procedures** **RSS-102, Issue 4** 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 - 2013** 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 Microsoft.		
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:

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1. SUMMARY OF SAR TEST REPORT

1.1 Test Details

Period of test	2014-06-16 to 2014-07-03
SN, HW and SW numbers of tested device	SN: 004402/47/822229/6, HW: 0200, SW: 02028.00000.14224.06001, DUT: 18408 SN: 004402/47/822206/4, HW: 0200, SW: 02028.00000.14224.06001, DUT: 18406 SN: 004402/47/822208/0, HW: 0200, SW: 02028.00000.14224.06001, DUT: 18405 SN: 004402/47/822204/9, HW: 0200, SW: 02028.00000.14224.06001, DUT: 18404 SN: 004402/47/822255/1, HW: 0200, SW: 02028.00000.14224.06001, DUT: 18377 SN: 004402/47/822207/2, HW: 0200, SW: 02028.00000.14224.06001, DUT: 18376
Batteries used in testing	BV-L4A, DUT: 18409, 18410, 18411, 18412, 18413, 18417, 18418, 18419, 18420, 18421
Headsets used in testing	WH-208, DUT:18392, 18395, 18393, 18394,18391
Other accessories used in testing	Cover CP-627 Optional Wireless Charging back cover, DUT: 18396, 18397, 18398, 18402, 18403
State of sample	Prototype unit
Notes	-

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1.2 Picture of the Device

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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 "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 Microsoft spacer and placed below the flat 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.

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Microsoft 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 Microsoft 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.

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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.

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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

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