SAR Compliance Test Report

Test report no.:	FCC_SAR_RM-1104_05	**Date of report:**	2015-10-14
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Testing laboratory:	TCC Microsoft Salo Laboratory P.O.Box 303 Joensuunkatu 7E FIN-24101 SALO, FINLAND Tel. +358 71 800 8000 Fax. +358 71 80 44122	**Client:**	Microsoft P.O.Box 303 Joensuunkatu 7 FIN-24101 SALO, FINLAND Tel. +358 71 800 8000 Fax. +358 71 80 44122
Responsible test engineer:	Juha-Matti Varjonen	**Product contact person:**	Jari Rontu
Measurements made by:	J-P Karppanen, Marko Laaksonen, Eva Lehtinen, Jesse Louhola, Teuvo Miettinen, Sami Savela, Jani Tuomela, J-M Varjonen		
Tested device:	RM-1104, HW: 2012. RM-1118, HW: 2060		
FCC ID:	PYASTT	**IC:**	661X-STT
Supplement reports:	SAR_Photo_RM-1104_06		
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 5** 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:

For the contents:

Digitally signed by Juha-Matti Varjonen
DN: cn=Juha-Matti Varjonen, o, ou, email=juha-matti.varjonen@microsoft.com, c=FI
Date: 2015.10.14 14:02:55 +03'00'

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1. SUMMARY OF SAR TEST REPORT

1.1 Test Details

Period of test	2015-06-30 to 2015-09-03
HW and SW numbers of tested device	RM-1104, HW: 2012, SW: 01066.00001.15267.14000 RM-1118, HW: 2060, SW: 01070.00000.15311.4400
Batteries used in testing	BV-T5E
Headsets used in testing	WH-308
Other accessories used in testing	-
State of sample	Prototype unit
Notes	-

1.2 Maximum Results

The maximum reported SAR values for Head, Body-worn 15 mm and Wireless Router 10 mm configurations are given in section 1.2.1, 1.2.2 and 1.2.3 respectively. The device conforms to the requirements of the standards when the maximum measured SAR value is less than or equal to the limit.

1.2.1 Head Configuration

Mode	Reported* SAR value (1g avg)	SAR limit (1g avg)	Result	Plot #
LTE700 (Band 12)	**0.29 W/kg**	1.6 W/kg	**PASSED**	**H2**
LTE700 (Band 17)	**0.29 W/kg**	1.6 W/kg	**PASSED**	**H4**
4-slot GPRS850	**0.42 W/kg**	1.6 W/kg	**PASSED**	**H6**
WCDMA850 (Band 5)	**0.45 W/kg**	1.6 W/kg	**PASSED**	**H7**
LTE850 (Band 5)	**0.35 W/kg**	1.6 W/kg	**PASSED**	**H9**
WCDMA1700/2100 (Band 4)	**0.66 W/kg**	1.6 W/kg	**PASSED**	**H11**
LTE1700/2100 (Band 4)	**0.46 W/kg**	1.6 W/kg	**PASSED**	**H14**
GSM1900	**0.32 W/kg**	1.6 W/kg	**PASSED**	**H15**
WCDMA1900 (Band 2)	**0.76 W/kg**	1.6 W/kg	**PASSED**	**H17**
LTE1900 (Band 2)	**0.54 W/kg**	1.6 W/kg	**PASSED**	**H20**
LTE2500 (Band 7)	**0.87 W/kg**	1.6 W/kg	**PASSED**	**H22**
WLAN2450	**0.92 W/kg**	1.6 W/kg	**PASSED**	**H23**
WLAN5000	**1.14 W/kg**	1.6 W/kg	**PASSED**	**H25**
Maximum of SPEAG combined multiband algorithm results				
WCDMA850 (Band 5) + WLAN2450	**1.03 W/kg**	1.6 W/kg	**PASSED**	**H29**
WCDMA850 (Band 5) + WLAN5000	**1.14 W/kg**	1.6 W/kg	**PASSED**	**H25**

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1.2.2 Body-worn 15 mm Configuration

Mode	Reported* SAR value (1g avg)	SAR limit (1g avg)	Result	Plot #
LTE700 (Band 12)	**0.34 W/kg**	1.6 W/kg	**PASSED**	**B2**
LTE700 (Band 17)	**0.32 W/kg**	1.6 W/kg	**PASSED**	**B4**
4-slot GPRS850	**0.38 W/kg**	1.6 W/kg	**PASSED**	**B6**
WCDMA850 (Band 5)	**0.43 W/kg**	1.6 W/kg	**PASSED**	**B7**
LTE850 (Band 5)	**0.36 W/kg**	1.6 W/kg	**PASSED**	**B9**
WCDMA1700/2100 (Band 4)	**0.78 W/kg**	1.6 W/kg	**PASSED**	**B11**
LTE1700/2100 (Band 4)	**0.60 W/kg**	1.6 W/kg	**PASSED**	**B13**
1-slot GPRS1900	**0.27 W/kg**	1.6 W/kg	**PASSED**	**B16**
WCDMA1900 (Band 2)	**0.67 W/kg**	1.6 W/kg	**PASSED**	**B17**
LTE1900 (Band 2)	**0.58 W/kg**	1.6 W/kg	**PASSED**	**B20**
LTE2500 (Band 7)	**0.93 W/kg**	1.6 W/kg	**PASSED**	**B21**
WLAN2450	**0.18 W/kg**	1.6 W/kg	**PASSED**	**B23**
WLAN5000	**0.57 W/kg**	1.6 W/kg	**PASSED**	**B25**
Maximum of SPEAG combined multiband algorithm results				
LTE2500 (Band 7)+ WLAN2450	**0.98 W/kg**	1.6 W/kg	**PASSED**	**B27**
LTE2500 (Band 7)+ WLAN5000	**0.93 W/kg**	1.6 W/kg	**PASSED**	**B21**

1.2.3 Wireless Router 10 mm Configuration

Mode	Reported* SAR value (1g avg)	SAR limit (1g avg)	Result	Plot #
LTE700 (Band 12)	**0.44 W/kg**	1.6 W/kg	**PASSED**	**W2**
LTE700 (Band 17)	**0.39 W/kg**	1.6 W/kg	**PASSED**	**W4**
4-slot GPRS850	**0.61 W/kg**	1.6 W/kg	**PASSED**	**W6**
WCDMA850 (Band 5)	**0.69 W/kg**	1.6 W/kg	**PASSED**	**W7**
LTE850 (Band 5)	**0.54 W/kg**	1.6 W/kg	**PASSED**	**W9**
WCDMA1700/2100 (Band 4)	**1.24 W/kg**	1.6 W/kg	**PASSED**	**W11**
LTE1700/2100 (Band 4)	**0.96 W/kg**	1.6 W/kg	**PASSED**	**W13**
1-slot GPRS1900	**0.49 W/kg**	1.6 W/kg	**PASSED**	**W15**
WCDMA1900 (Band 2)	**1.13 W/kg**	1.6 W/kg	**PASSED**	**W17**
LTE1900 (Band 2)	**0.99 W/kg**	1.6 W/kg	**PASSED**	**W19**
LTE2500 (Band 7)	**1.09 W/kg**	1.6 W/kg	**PASSED**	**W22**
WLAN2450	**0.37 W/kg**	1.6 W/kg	**PASSED**	**W23**
WLAN5000	**0.86 W/kg**	1.6 W/kg	**PASSED**	**W25**
Maximum of SPEAG combined multiband algorithm results				
WCDMA1700/2100 (Band 4) + WLAN2450	**1.35 W/kg**	1.6 W/kg	**PASSED**	**W27**
WCDMA1700/2100 (Band 4) + WLAN5000	**1.24 W/kg**	1.6 W/kg	**PASSED**	**W11**

* Reported SAR values are scaled to, or measured at, upper limit of power tuning tolerance.

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1.2.4 Summary SAR data

Description	FCC-defined SAR values for the Grants of Equipment Authorization		
	PCE	DTS	NII
Maximum Head SAR values	0.87	0.92	1.14
{Max + Max} Simultaneous Head SAR value	1.60		
Maximum Body-worn 15 mm SAR values	0.93	0.18	0.57
{Max + Max} Simultaneous Body-worn 15 mm SAR value	1.44		
Maximum Product Specific (Wireless Router 10 mm) SAR values	1.24	0.37	0.86
{Max + Max} Simultaneous Product Specific (Wireless Router 10 mm) SAR value	1.57		
Maximum Simultaneous SAR value **Head SAR: LTE1700/2100 (Band 4) + WLAN5000**	1.60		

Note:

PCE contains the highest results between all cellular modes (cellular, AWS and PCS bands)
DTS contains the highest results between WLAN 2.4 GHz
NII contains the highest results between RLAN 5150-5250, 5250-5350, 5470-5725 MHz and 5725-5850 MHz

1.2.5 Maximum Drift

Maximum drift during measurements	≤ 0.2 dB

1.2.6 Measurement Uncertainty

Expanded Uncertainty (k=2) 95 %	± 29.8 %

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2. DESCRIPTION OF THE DEVICE UNDER TEST

Device category	Portable
Exposure environment	General population / uncontrolled

2.1 Bands and Modes of the DUT

Bands	Modes of Operation	Modulation Mode	Duty Cycle	Channel Bandwidth (MHz)	Transmitter Frequency Range (MHz)	Power Reduction in Wireless Router (Hotspot) Mode (dB)			
700 (Band 12)	LTE	QPSK / 16QAM	1	1.4, 3, 5, 10	699 – 716	-			
700 (Band 17)	LTE	QPSK / 16QAM	1	5, 10	704 – 716	-			
850	GSM/GPRS	GMSK	1/8 to 4/8		824 – 849	1-slot	2-slot	3-slot	4-slot
						-	-	-	-
850	EGPRS	GMSK / 8PSK	1/8 to 4/8		824 – 849	-	-	-	-
850 (Band 5)	WCDMA	QPSK	1		826 – 847	-			
850 (Band 5)	HSUPA	QPSK	1		826 – 847	-			
850 (Band 5)	DC-HSDPA	QPSK	1		826 – 847	-			
850 (Band 5)	LTE	QPSK / 16QAM	1	1.4, 3, 5, 10	824 – 849	-			
1700/2100 (Band 4)	WCDMA	QPSK	1		1712 - 1753	-			
1700/2100 (Band 4)	HSUPA	QPSK	1		1712 - 1753	-			
1700/2100 (Band 4)	DC-HSDPA	QPSK	1		1712 - 1753	-			
1700/2100 (Band 4)	LTE	QPSK / 16QAM	1	1.4, 3, 5, 10, 15, 20	1710 – 1755	-			
1900	GSM/GPRS	GMSK	1/8 to 4/8		1850 – 1910	1-slot	2-slot	3-slot	4-slot
						-	-	-	-
1900	EGPRS	GMSK / 8PSK	1/8 to 4/8		1850 – 1910	-	-	-	-
1900 (Band 2)	WCDMA	QPSK	1		1852 – 1908	-			
1900 (Band 2)	HSUPA	QPSK	1		1852 – 1908	-			
1900 (Band 2)	DC-HSDPA	QPSK	1		1852 – 1908	-			
1900 (Band 2)	LTE	QPSK / 16QAM	1	1.4, 3, 5, 10, 15, 20	1850 – 1910	-			
2500 (Band 7)	LTE	QPSK / 16QAM	1	5, 10, 15, 20	2500 - 2570	1.9			
2450	BT	GFSK	1		2402 – 2480	-			
2450	WLAN b-mode	DSSS	1	20	2412 – 2462	-			
2450	WLAN g-mode	OFDM	1	20	2412 – 2462	-			
2450	WLAN n-mode	OFDM	1	20	2412 – 2462	-			
2450	WLAN ac-mode	OFDM	1	20	2412 – 2462	-			

(Table continues)

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(Table continues)

Bands	Modes of Operation	Modulation Mode	Duty Cycle	Channel Bandwidth (MHz)	Transmitter Frequency Range (MHz)	Power Reduction in Wireless Router (Hotspot) Mode (dB)
2450	WLAN n-mode	OFDM	1	40	2412 – 2462	-
2450	WLAN ac-mode	OFDM	1	40	2412 – 2462	-
5000	WLAN a-mode	OFDM	1	20	5180 - 5825	-
5000	WLAN n-mode	OFDM	1	20	5180 - 5825	-
5000	WLAN ac-mode	OFDM	1	20	5180 - 5805	-
5000	WLAN n-mode	OFDM	1	40	5180 - 5825	-
5000	WLAN ac-mode	OFDM	1	40	5180 - 5825	-
5000	WLAN ac-mode	OFDM	1	80	5180 - 5825	-

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2.2 DUT Features and Test Requirements

Common features	Testing / Specification / KDB
Bands operating outside USA and Canada	These bands are not part of this filing: GSM/GPRS/EGPRS900 GSM/GPRS/EGPRS1800 WCDMA/HSUPA/DC-HSDPA900 (Band 8) WCDMA/HSUPA/DC-HSDPA2100 (Band 1) LTE700 (Band28) LTE850 (Band 20) LTE900 (Band 8) LTE1800 (Band 3) LTE2100 (Band 1) LTE2300 (Band 40) LTE2600 (Band 38)
Number of SIM cards:	RM-1104: **1** RM-1118: **2** The only difference between RM-1104 and RM-1118 is in the number of SIM cards the devices have. The associated mechanical differences between the products have no impact on the radiated performance and, as a result, it is valid to use test results of RM-1104 as a true representation of the SAR performance of RM-1118.
Ambient temperature:	20.5 – 22.5 °C / Controlled
Ambient humidity (RH %):	35 – 55 % RH / Controlled
Output power and batteries	The device output power was set to maximum power level for all tests. A fully charged battery was used for every test sequence.
Test channels	In all operating bands the measurements were performed on lowest, middle and highest channels, and/or on all required test channels as defined in Published FCC KDB Procedures.
VOIP	This device has Voice-over-IP capability for use at the ear. Therefore SAR for data modes was evaluated against the head profile of the phantom for all communication systems.

(Table continues)

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(Table continues)

<table>
<tr><th>Common features</th><th>Testing / Specification / KDB</th></tr>
<tr><td>Antennas</td><td>
Two antennas are used for transmission of the all other cellular bands in diversity-Tx mode except LTE2500 (Band 7) which uses only Antenna 1. In diversity-TX mode the antennas cannot transmit at the same time. All cellular antennas are fully and separately SAR tested for individual transmission. See table below for applicable antennas in each transmission band and mode.

Also the both WLAN bands have two separate antennas. See SAR_Photo_RM-1104_06, Section 3.

All WLAN antennas are tested simultaneously for Delay Diversity/MIMO WLAN transmissions.

Simultaneous transmissions with WLAN2450/WLAN5000 are assessed separately for both cellular antennas.

Same RF PA circuitry is used for both cellular antennas and therefore same output power targets and conducted power results apply to both cellular antennas. Control software was used to route the TX power to the chosen cellular antenna during the SAR test sequence.

Own RF PA circuitry is used for WLAN antennas and therefore own conducted power results are measured for both antennas. For WLAN5000, average power of the two WLAN antennas have been used for selection of the transmit mode/data rate, as well as the selection of the tested WLAN channels. For WLAN2450, average of the power relative to tuning windows of the two WLAN antennas have been used for selection of the transmit mode/data rate, as well as the selection of the tested WLAN channels. This was agreed beforehand via FCC KDB Inquiry.

<table>
<tr><th rowspan="2">Band</th><th colspan="2">Tx Antennas</th></tr>
<tr><th>Antenna 1</th><th>Antenna 2</th></tr>
<tr><td>LTE700 (Band 12)</td><td>✓</td><td>✓</td></tr>
<tr><td>LTE700 (Band 17)</td><td>✓</td><td>✓</td></tr>
<tr><td>GSM/GPRS/EGPRS850</td><td>✓</td><td>✓</td></tr>
<tr><td>WCDMA850 (Band 5)</td><td>✓</td><td>✓</td></tr>
<tr><td>LTE850 (Band 5)</td><td>✓</td><td>✓</td></tr>
<tr><td>WCDMA1700/2100 (Band 4)</td><td>✓</td><td>✓</td></tr>
<tr><td>LTE1700/2100 (Band 4)</td><td>✓</td><td>✓</td></tr>
<tr><td>GSM/GPRS/EGPRS1900</td><td>✓</td><td>✓</td></tr>
<tr><td>WCDMA1900 (Band 2)</td><td>✓</td><td>✓</td></tr>
<tr><td>LTE1900 (Band 2)</td><td>✓</td><td>✓</td></tr>
<tr><td>LTE2500 (Band 7)</td><td>✓</td><td>-</td></tr>
<tr><td>WLAN2450</td><td>✓</td><td>✓</td></tr>
<tr><td>WLAN5000</td><td>✓</td><td>✓</td></tr>
</table>
</td></tr>
</table>

(Table continues)

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(Table continues)

Common features	Testing / Specification / KDB
Carrier Aggregation	The device has downlink carrier aggregation supported with bands given in table below. The measured RF output power with CA active is not more than 0.25 dB higher than the maximum power value for LTE7 without CA, see conducted power tables 3.3.6 and 3.3.7. **Tx Band** | **Tx + CA** 7 | 7+7
GSM/GPRS/EGPRS	**KDB 941225 D03 SAR Test Reduction Procedures for GSM/GPRS/EDGE**
Device Class	B
GPRS multi slot class	33
DTM class	DTM GPRS multi slot class 3. Dual Transfer Mode was not specifically tested as the average power in multi-slot GMSK GPRS mode is always greater than, or equal to, the average power in Dual Transfer Mode in Microsoft devices.
EGPRS	8PSK EGPRS mode was not measured, because maximum averaged output power is lower in 8PSK EGPRS mode than in GPRS mode.
Call tester settings	CMU200 / Anritsu: MS signal was always set to maximum power: Pmax 5 for GSM850 and 0 for GSM1900.
Number of slots used in testing	The number of Tx slots in all GSM/GPRS mode tests was based on tuning target/conducted power data, see Section 3. The number of slots with highest or equal highest time-average power was tested.
WCDMA	**KDB 941225 D01 SAR Measurement Procedures for 3G Devices**
WCDMA	Rel 9. Conducted power measurements for WCDMA modes have been carried out in accordance with 3GPP TS34.1083 and GPP TS 34.121-1. See conducted power results in section 3
Call test settings for WCDMA	CMU200 / Anritsu: UE uplink signal was configured to 12.2kbps RMC with all TPC bit set to 1.
HSUPA	SAR tests for HSUPA mode have not been performed as no HSUPA Sub-test mode has an average power > 0.25 dB above the basic WCDMA 12.2 kbps RMC mode.
DC-HSDPA	SAR tests for DC-HSDPA mode have not been performed as no DC-HSDPA Sub-test mode has an average power > 0.25 dB above the basic WCDMA 12.2 kbps RMC mode.

(Table continues)

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(Table continues)

<table>
<tr><th>LTE</th><th>KDB 941225 D05 SAR for LTE Devices v02r02 DR07-41372</th></tr>
<tr><td>LTE Category</td><td>4</td></tr>
<tr><td>Call tester settings</td><td>CMW500:
Uplink Power Control was set to ‘Max Power’.
Additional Spectrum Emission was set to ‘NS_01’ to disable A-MPR.</td></tr>
<tr><td>LTE MPR</td><td>MPR values as stipulated in Table 6.2.3_1 of 3GPP TS 36.101 (presented below) have been incorporated into the device; these MPR values are dependent on the modulation, Channel Bandwidth and Resource Block allocations as shown:

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3
<table>
<tr><th rowspan="2">Modulation</th><th colspan="6">Channel bandwidth / Transmission bandwidth (RB)</th><th rowspan="2">MPR (dB)</th></tr>
<tr><th>1.4 MHz</th><th>3.0 MHz</th><th>5 MHz</th><th>10 MHz</th><th>15 MHz</th><th>20 MHz</th></tr>
<tr><td>QPSK</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 1</td></tr>
<tr><td>16 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 1</td></tr>
<tr><td>16 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 2</td></tr>
</table>
No additional MPR settings have been incorporated into the design of the device and therefore no A-MPR settings have been active during its testing.

Conducted Power Tables in Section 3: “Nominal” column lists measured powers with MPR active. The “A-MPR active” column lists measured powers with MPR and A-MPR active (as defined by 3GPP TS 36.101).</td></tr>
<tr><th>WLAN</th><th>KDB 248227 D01 SAR Measurement Procedures for 802.11 a/b/g Transmitters</th></tr>
<tr><td>WLAN modes tested</td><td>For WLAN2450 DSSS and OFDM modulation modes are tested separately.
DSSS modulation modes for WLAN2450 are tested by using Initial Test Position or Fixed Test Position Procedure.
OFDM modulation modes for WLAN2450 and WLAN5000 are tested by using Initial Test Position or Fixed Test Position Procedure together with Initial/Subsequent Test Configuration Procedure according to KDB instructions.
2G: Test configurations tested base on the averaged tuning targets of Antenna 1 and Antenna 2, meanwhile all the scaling for WLAN2450 measurements are done according to the individual tuning targets and measured conducted powers separately for the both antennas. The both antennas are radiating simultaneously. SAR value for a device position/channel is recorded for the Antenna which radiation is dominant.

5G: The same results are valid for the both antennas 1 and 2. Tuning target, upper limit and conducted power values used for test decisions and scaling are averaged values for Antenna 1 and Antenna 2.</td></tr>
<tr><td>WLAN power reduction ‘held to ear’</td><td>This device applies ‘held to ear’ power reduction for SAR compliance for WLAN2450 and WLAN5000 modes. It always applies power reduction in voice or VOIP ‘held to ear’ scenarios on the WLAN transmitter, and does not impact any other transmitter in the device. Head SAR is evaluated at reduced power according to the head SAR test positions. Power reduction is 2 dB in all held-to-ear scenarios and modes for WLAN2450, and at 5 dB for WLAN5000. All other positions are evaluated at full power.</td></tr>
<tr><td>WLAN test settings</td><td>The device was put into operation by using control software.</td></tr>
</table>

(Table continues)

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(Table continues)

BT	**KDB 447498 D01 General RF Exposure Guidance v05**
BT Class	I
BT testing	BT power tuning target upper limit is 10 dBm. WLAN2450 power tuning target upper limit is 11.5 dBm. Since WLAN2450 and BT use same frequency and antenna, WLAN2450 power is 3.5 dB higher, and they cannot transmit simultaneously, the WLAN2450 standalone SAR is conservative estimation of BT SAR. As WLAN2450 SAR result is below limit, also BT SAR can be deemed to comply without further analysis or standalone measurements. Also WLAN2450+cellular bands combined SAR results can be regarded as conservative estimation of BT+cellular combined SAR. As WLAN2450+cellular combined SAR result are below limit, also BT+cellular combined SAR can be deemed to comply without further analysis.
Simultaneous transmission	**KDB 447498 D01 General RF Exposure Guidance v05**
In Head and Body-worn use	Simultaneous transmission of any singular cellular, PCS or AWS with WLAN2450 / WLAN5000 is possible.
Wireless Router "Hotspot" mode	Yes
In Wireless Router use	Simultaneous transmission of any singular cellular, AWS or PCS band with WLAN2450 is possible. Simultaneous transmission of any singular cellular, AWS or PCS band with WLAN5000 is possible only for sub-bands U-NII-1 and U-NII-3. The hotspot mode (Wireless Router mode) may operate concurrently in DTM mode with voice calls. The reported SAR test results are conservative regarding that use case, since output power in hotspot mode is equal to or lower than in normal voice and data modes. See Section 2.1 for hotspot mode power reductions. Also simultaneous transmissions with WLANs are already conservatively assessed for head and body-worn exposure conditions due to VoIP capability.
Power reduction for Wireless Router mode	See the table in Section 2.1.
KDBs used in testing	**KDB 248227 D01 SAR Measurement Procedures for 802.11 a/b/g Transmitters** **KDB 447498 D01 General RF Exposure Guidance v05** **KDB 648474 D04 Handset SAR v01r01** **KDB 690783 D01 SAR Listings on Grants** **KDB 865664 D01 SAR Measurements 100 MHz to 6 GHz v01** **KDB 865664 D02 SAR Reporting v01** **KDB 941225 D01 SAR Measurement Procedures for 3G Devices** **KDB 941225 D03 SAR Test Reduction Procedures for GSM/GPRS/EDGE** **KDB 941225 D05 SAR for LTE Devices v02r02 DR07-41372**

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3. CONDUCTED POWERS

The conducted output power of the device was measured by a separate test laboratory on the same units as used for SAR testing.

3.1 GSM/GPRS/EGPRS

Shaded lines in the tables below show which mode/configuration is used in testing.

3.1.1 GSM850 Head, Body-worn 15 mm and Wireless Router 10 mm

Antenna 1 & 2 / RM-1104

GSM 850								
SN: 004402742178209			Conducted power (dBm)			Time-averaged power (dBm)		
Slot configuration	Tuning target (dBm)	Upper limit (dBm)	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz
GSM 1-slot	**32.8**	**33.2**	32.6	32.7	32.8	23.6	23.7	23.8
GPRS 2-slot	**29.9**	**30.3**	29.9	29.8	30.0	23.9	23.8	24.0
GPRS 3-slot	**28.1**	**28.5**	28.0	28.5	28.1	23.7	24.2	23.8
GPRS 4-slot	**27.0**	**27.4**	27.2	27.3	27.4	24.2	24.3	**24.4**
EGRPS 1-slot	**27.0**	**27.4**	27.2	27.0	27.0	18.2	18.0	18.0
EGPRS 2-slot	**26.5**	**26.9**	26.6	26.4	26.4	20.6	20.4	20.4
EGPRS 3-slot	**25.6**	**26.0**	25.8	25.6	25.6	21.5	21.3	21.3
EGPRS 4-slot	**24.8**	**25.2**	25.1	24.7	24.8	22.1	21.7	21.8

Antenna 1 & 2 / RM-1118

GSM 850								
SN: 004402740912567			Conducted power (dBm)			Time-averaged power (dBm)		
Slot configuration	Tuning target (dBm)	Upper limit (dBm)	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz
GSM 1-slot	**32.8**	**33.2**	32.5	32.6	32.8	23.5	23.6	23.8
GPRS 2-slot	**29.9**	**30.3**	29.9	30.0	30.2	23.9	24.0	24.2
GPRS 3-slot	**28.1**	**28.5**	28.1	28.2	28.4	23.8	23.9	24.1
GPRS 4-slot	**27.0**	**27.4**	26.9	27.0	27.2	23.9	24.0	**24.2**
EGRPS 1-slot	**27.0**	**27.4**	26.6	26.7	26.8	17.6	17.7	17.8
EGPRS 2-slot	**26.5**	**26.9**	26.3	26.4	26.4	20.3	20.4	20.4
EGPRS 3-slot	**25.6**	**26.0**	25.5	25.5	25.6	21.2	21.2	21.3
EGPRS 4-slot	**24.8**	**25.2**	24.6	24.6	24.7	21.6	21.6	21.7

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3.1.2 GSM1900 Head, Body-worn 15 mm and Wireless Router 10 mm

Antenna 1 & 2 / RM-1104

GSM 1900								
SN: 004402742178308			**Conducted power (dBm)**			**Time-averaged power (dBm)**		
Slot configuration	Tuning target (dBm)	Upper limit (dBm)	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz
GSM 1-slot	**30.2**	**30.6**	30.2	30.1	30.4	21.2	21.1	**21.4**
GPRS 2-slot	**27.0**	**27.4**	27.0	27.1	26.8	21.0	21.1	20.8
GPRS 3-slot	**25.4**	**25.8**	25.3	25.3	25.5	21.0	21.0	21.2
GPRS 4-slot	**24.1**	**24.5**	23.9	23.7	24.3	20.9	20.7	21.3
EGRPS 1-slot	**25.3**	**25.7**	25.4	25.5	25.5	16.4	16.5	16.5
EGPRS 2-slot	**24.8**	**25.2**	24.8	24.9	24.9	18.8	18.9	18.9
EGPRS 3-slot	**24.2**	**24.6**	24.2	24.3	24.2	19.9	20.0	19.9
EGPRS 4-slot	**22.6**	**23.0**	22.6	22.6	22.7	19.6	19.6	19.7

Antenna 1 & 2 / RM-1118

GSM 1900								
SN: 004402740913003			**Conducted power (dBm)**			**Time-averaged power (dBm)**		
Slot configuration	Tuning target (dBm)	Upper limit (dBm)	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz
GSM 1-slot	**30.2**	**30.6**	30.1	30.0	29.9	21.1	21.0	20.9
GPRS 2-slot	**27.0**	**27.4**	26.6	26.9	27.0	20.6	20.9	21.0
GPRS 3-slot	**25.4**	**25.8**	24.9	25.2	25.2	20.6	20.9	20.9
GPRS 4-slot	**24.1**	**24.5**	23.9	24.1	24.0	20.9	**21.1**	21.0
EGRPS 1-slot	**25.3**	**25.7**	25.2	25.2	25.3	16.2	16.2	16.3
EGPRS 2-slot	**24.8**	**25.2**	24.7	24.6	24.7	18.7	18.6	18.7
EGPRS 3-slot	**24.2**	**24.6**	24.0	24.0	24.1	19.7	19.7	19.8
EGPRS 4-slot	**22.6**	**23.0**	22.5	22.5	22.6	19.5	19.5	19.6

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3.2 WCDMA

3.2.1 WCDMA850 (Band 5) Head, Body-worn 15 mm and Wireless Router 10 mm

Antenna 1 & 2 / RM-1104

SN: 004402742178209	WCDMA 5				
Mode	Tuning target (dBm)	Upper limit (dBm)	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz
WCDMA	**24.5**	**24.9**	24.8	24.7	24.7
HSUPA Sub-mode 1	**23.5**	**23.9**	23.8	23.2	23.2
HSUPA Sub-mode 2	**22.5**	**22.9**	22.4	22.6	22.5
HSUPA Sub-mode 3	**22.5**	**22.9**	22.6	22.5	22.3
HSUPA Sub-mode 4	**22.5**	**22.9**	23.3	23.1	23.1
HSUPA Sub-mode 5	**23.5**	**23.9**	23.8	23.6	23.6
DC-HSDPA Sub-mode 1	**24**	**24.4**	23.7	23.6	23.6
DC-HSDPA Sub-mode 2	**24**	**24.4**	23.8	23.6	23.5
DC-HSDPA Sub-mode 3	**23.5**	**23.9**	23.2	23.1	23.1
DC-HSDPA Sub-mode 4	**23.5**	**23.9**	23.2	23.1	23.1

Antenna 1 & 2 / RM-1118

SN: 004402740912567	WCDMA 5				
Mode	Tuning target (dBm)	Upper limit (dBm)	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz
WCDMA	**24.5**	**24.9**	24.7	24.8	24.8
HSUPA Sub-mode 1	**23.5**	**23.9**	23.7	23.4	23.4
HSUPA Sub-mode 2	**22.5**	**22.9**	22.3	22.8	22.8
HSUPA Sub-mode 3	**22.5**	**22.9**	22.5	22.6	22.6
HSUPA Sub-mode 4	**22.5**	**22.9**	23.2	22.6	23.3
HSUPA Sub-mode 5	**23.5**	**23.9**	23.7	23.8	23.9
DC-HSDPA Sub-mode 1	**24**	**24.4**	23.7	23.8	23.8
DC-HSDPA Sub-mode 2	**24**	**24.4**	23.7	23.8	23.9
DC-HSDPA Sub-mode 3	**23.5**	**23.9**	23.2	23.3	23.3
DC-HSDPA Sub-mode 4	**23.5**	**23.9**	23.2	23.1	23.3

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3.2.2 WCMA1700/2100 (Band 4) Head, Body-worn 15 mm and Wireless Router 10 mm

Antenna 1 & 2 / RM-1104

SN: 004402742178217	WCDMA 4				
Mode	Tuning target (dBm)	Upper limit (dBm)	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz
WCDMA	24	24.4	24.0	24.0	24.1
HSUPA Sub-mode 1	23	23.4	23.1	22.7	22.7
HSUPA Sub-mode 2	22	22.4	21.7	22.0	22.1
HSUPA Sub-mode 3	22	22.4	21.4	21.9	21.9
HSUPA Sub-mode 4	22	22.4	22.6	22.5	22.6
HSUPA Sub-mode 5	23	23.4	23.0	23.1	23.1
DC-HSDPA Sub-mode 1	23.5	23.9	23.1	23.1	23.1
DC-HSDPA Sub-mode 2	23.5	23.9	23.1	23.1	23.1
DC-HSDPA Sub-mode 3	23	23.4	22.5	22.6	22.5
DC-HSDPA Sub-mode 4	23	23.4	22.6	22.5	22.4

Antenna 1 & 2 / RM-1118

SN: 004402740912641	WCDMA 4				
Mode	Tuning target (dBm)	Upper limit (dBm)	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz
WCDMA	24	24.4	24.0	23.8	23.9
HSUPA Sub-mode 1	23	23.4	23.0	22.1	22.2
HSUPA Sub-mode 2	22	22.4	21.4	21.6	21.6
HSUPA Sub-mode 3	22	22.4	21.5	21.8	21.8
HSUPA Sub-mode 4	22	22.4	22.5	22.3	22.4
HSUPA Sub-mode 5	23	23.4	23.0	22.9	23.0
DC-HSDPA Sub-mode 1	23.5	23.9	23.0	22.9	22.9
DC-HSDPA Sub-mode 2	23.5	23.9	23.0	22.9	22.9
DC-HSDPA Sub-mode 3	23	23.4	22.5	22.4	22.4
DC-HSDPA Sub-mode 4	23	23.4	22.4	22.3	22.4

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3.2.3 WCDMA1900 (Band 2) Head, Body-worn 15 mm and Wireless Router 10 mm

Antenna 1 & 2 / RM-1104

SN: 004402742178308	WCDMA 2				
Mode	Tuning target (dBm)	Upper limit (dBm)	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz
WCDMA	**23.9**	**24.3**	23.7	24.0	24.1
HSUPA Sub-mode 1	**22.9**	**23.3**	22.8	22.6	22.6
HSUPA Sub-mode 2	**21.9**	**22.3**	21.3	22.0	22.0
HSUPA Sub-mode 3	**21.9**	**22.3**	21.0	21.7	21.8
HSUPA Sub-mode 4	**21.9**	**22.3**	22.2	22.5	22.5
HSUPA Sub-mode 5	**22.9**	**23.3**	22.8	23.0	23.0
DC-HSDPA Sub-mode 1	**23.4**	**23.8**	22.7	23.0	23.1
DC-HSDPA Sub-mode 2	**23.4**	**23.8**	22.8	22.9	23.1
DC-HSDPA Sub-mode 3	**22.9**	**23.3**	22.2	22.4	22.5
DC-HSDPA Sub-mode 4	**22.9**	**23.3**	22.2	22.4	22.5

Antenna 1 & 2 / RM-1118

SN: 004402740913003	WCDMA 2				
Mode	Tuning target (dBm)	Upper limit (dBm)	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz
WCDMA	**23.9**	**24.3**	24.2	24.1	24.0
HSUPA Sub-mode 1	**22.9**	**23.3**	23.2	22.8	22.7
HSUPA Sub-mode 2	**21.9**	**22.3**	21.8	22.2	22.1
HSUPA Sub-mode 3	**21.9**	**22.3**	21.5	21.9	21.9
HSUPA Sub-mode 4	**21.9**	**22.3**	22.7	22.7	22.6
HSUPA Sub-mode 5	**22.9**	**23.3**	23.2	23.2	23.1
DC-HSDPA Sub-mode 1	**23.4**	**23.8**	23.1	23.0	23.0
DC-HSDPA Sub-mode 2	**23.4**	**23.8**	23.2	23.1	23.0
DC-HSDPA Sub-mode 3	**22.9**	**23.3**	22.6	22.6	22.5
DC-HSDPA Sub-mode 4	**22.9**	**23.3**	22.7	22.6	22.5

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3.3 LTE

3.3.1 LTE700 (Band 12) Head, Body-worn 15 mm and Wireless Router 10 mm

Antenna 1 & 2 / RM-1104

SN: 004402742178258						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch23017 / 699.7 MHz	Ch23095 / 707.5 MHz	Ch23173 / 715.3 MHz	Ch23017 / 699.7 MHz	Ch23095 / 707.5 MHz	Ch23173 / 715.3 MHz
LTE12 1.4 MHz	QPSK	1	0	23.2	23.6	23.6	23.5	23.5			
		1	2	23.2	23.6	23.5	23.5	23.5			
		1	5	23.2	23.6	23.5	23.5	23.1			
		3	0	23.2	23.6	23.3	23.4	23.3			
		3	2	23.2	23.6	23.4	23.5	23.4			
		3	3	23.2	23.6	23.3	23.3	23.2			
		6	0	22.2	22.6	22.3	22.3	22.3			
	16QAM	1	0	22.6	23.0	22.8	22.9	22.8			
		1	2	22.6	23.0	22.8	22.7	22.9			
		1	5	22.6	23.0	22.8	22.9	22.6			
		3	0	22.6	23.0	22.4	22.5	22.4			
		3	2	22.6	23.0	22.4	22.6	22.5			
		3	3	22.6	23.0	22.4	22.4	22.3			
		6	0	21.6	22.0	21.4	21.5	21.5			

SN: 004402742178258						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch23025 / 700.5 MHz	Ch23095 / 707.5 MHz	Ch23165 / 714.5 MHz	Ch23025 / 700.5 MHz	Ch23095 / 707.5 MHz	Ch23165 / 714.5 MHz
LTE12 3 MHz	QPSK	1	0	23.2	23.6	23.3	23.4	23.2			
		1	7	23.2	23.6	23.6	23.5	23.5			
		1	14	23.2	23.6	23.4	23.3	23.1			
		8	0	22.2	22.6	22.3	22.4	22.3			
		8	3	22.2	22.6	22.4	22.4	22.4			
		8	7	22.2	22.6	22.3	22.4	22.4			
		15	0	22.2	22.6	22.3	22.4	22.4			
	16QAM	1	0	22.6	23.0	22.8	22.5	22.3			
		1	7	22.6	23.0	22.9	22.6	22.5			
		1	14	22.6	23.0	22.6	22.5	22.2			
		8	0	21.6	22.0	21.4	21.5	21.4			
		8	3	21.6	22.0	21.5	21.6	21.5			
		8	7	21.6	22.0	21.4	21.5	21.5			
		15	0	21.6	22.0	21.4	21.5	21.4			

SN: 004402742178258						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch23035 / 701.5 MHz	Ch23095 / 707.5 MHz	Ch23155 / 713.5 MHz	Ch23035 / 701.5 MHz	Ch23095 / 707.5 MHz	Ch23155 / 713.5 MHz
LTE12 5 MHz	QPSK	1	0	23.2	23.6	23.3	23.3	23.3			
		1	12	23.2	23.6	23.2	23.3	23.3			
		1	24	23.2	23.6	23.4	23.4	23.2			
		12	0	22.2	22.6	22.3	22.3	22.2			
		12	6	22.2	22.6	22.3	22.4	22.3			
		12	13	22.2	22.6	22.3	22.3	22.3			
		25	0	22.2	22.6	22.3	22.3	22.4			
	16QAM	1	0	22.6	23.0	22.4	22.6	22.8			
		1	12	22.6	23.0	22.4	22.5	23.1			
		1	24	22.6	23.0	22.4	22.6	22.8			
		12	0	21.6	22.0	21.3	21.4	21.3			
		12	6	21.6	22.0	21.3	21.4	21.3			
		12	13	21.6	22.0	21.3	21.3	21.4			
		25	0	21.6	22.0	21.3	21.3	21.4			

(LTE12 table continues)

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(LTE12 table continues)

SN: 004402742178258						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch23060 / 704 MHz	Ch23095 / 707.5 MHz	Ch23130 / 711 MHz	Ch23060 / 704 MHz	Ch23095 / 707.5 MHz	Ch23130 / 711 MHz
LTE12 10 MHz	QPSK	1	0	23.2	23.6	23.4	23.5	23.4			
		1	24	23.2	23.6	23.4	23.5	23.5			
		1	49	23.2	23.6	23.3	23.4	23.3			
		25	0	22.2	22.6	22.3	22.4	22.3			
		25	12	22.2	22.6	22.4	22.4	22.4			
		25	25	22.2	22.6	22.3	22.3	22.3			
		50	0	22.2	22.6	22.4	22.4	22.4			
	16QAM	1	0	22.6	23.0	22.9	22.7	22.7			
		1	24	22.6	23.0	23.1	22.7	22.7			
		1	49	22.6	23.0	22.9	22.6	22.7			
		25	0	21.6	22.0	21.4	21.4	21.3			
		25	12	21.6	22.0	21.4	21.4	21.3			
		25	25	21.6	22.0	21.3	21.4	21.3			
		50	0	21.6	22.0	21.4	21.4	21.4			

Antenna 1 & 2 / RM-1118

SN: 004402740912765						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch23017 / 699.7 MHz	Ch23095 / 707.5 MHz	Ch23173 / 715.3 MHz	Ch23017 / 699.7 MHz	Ch23095 / 707.5 MHz	Ch23173 / 715.3 MHz
LTE12 1.4 MHz	QPSK	1	0	23.2	23.6	23.3	23.3	23.4			
		1	2	23.2	23.6	23.3	23.3	23.3			
		1	5	23.2	23.6	23.2	23.2	23.2			
		3	0	23.2	23.6	23.1	23.2	23.3			
		3	2	23.2	23.6	23.1	23.2	23.4			
		3	3	23.2	23.6	23.1	23.2	23.3			
		6	0	22.2	22.6	22.1	22.1	22.3			
	16QAM	1	0	22.6	23.0	22.2	22.4	22.5			
		1	2	22.6	23.0	22.2	22.3	22.5			
		1	5	22.6	23.0	22.2	22.3	22.5			
		3	0	22.6	23.0	22.3	22.1	22.5			
		3	2	22.6	23.0	22.3	22.2	22.5			
		3	3	22.6	23.0	22.2	22.1	22.4			
		6	0	21.6	22.0	21.1	21.2	21.4			
SN: 004402740912765						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch23025 / 700.5 MHz	Ch23095 / 707.5 MHz	Ch23165 / 714.5 MHz	Ch23025 / 700.5 MHz	Ch23095 / 707.5 MHz	Ch23165 / 714.5 MHz
LTE12 3 MHz	QPSK	1	0	23.2	23.6	23.2	23.3	23.2			
		1	7	23.2	23.6	23.2	23.3	23.4			
		1	14	23.2	23.6	23.2	23.3	23.3			
		8	0	22.2	22.6	22.1	22.2	22.3			
		8	3	22.2	22.6	22.2	22.2	22.4			
		8	7	22.2	22.6	22.1	22.2	22.3			
		15	0	22.2	22.6	22.2	22.1	22.3			
	16QAM	1	0	22.6	23.0	22.6	22.8	22.4			
		1	7	22.6	23.0	22.7	22.8	22.5			
		1	14	22.6	23.0	22.6	22.8	22.5			
		8	0	21.6	22.0	21.3	21.2	21.4			
		8	3	21.6	22.0	21.3	21.2	21.4			
		8	7	21.6	22.0	21.2	21.2	21.3			
		15	0	21.6	22.0	21.2	21.2	21.3			

(LTE12 table continues)

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(LTE12 table continues)

SN: 004402740912765						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch23035 / 701.5 MHz	Ch23095 / 707.5 MHz	Ch23155 / 713.5 MHz	Ch23035 / 701.5 MHz	Ch23095 / 707.5 MHz	Ch23155 / 713.5 MHz
LTE12 5 MHz	QPSK	1	0	23.2	23.6	23.2	23.2	23.3			
		1	12	23.2	23.6	23.3	23.4	23.4			
		1	24	23.2	23.6	23.3	23.3	23.3			
		12	0	22.2	22.6	22.1	22.1	22.3			
		12	6	22.2	22.6	22.2	22.2	22.3			
		12	13	22.2	22.6	22.2	22.2	22.2			
		25	0	22.2	22.6	22.2	22.2	22.4			
	16QAM	1	0	22.6	23.0	22.5	22.6	22.9			
		1	12	22.6	23.0	22.5	22.7	22.9			
		1	24	22.6	23.0	22.5	22.6	22.9			
		12	0	21.6	22.0	21.1	21.0	21.3			
		12	6	21.6	22.0	21.1	21.2	21.4			
		12	13	21.6	22.0	21.1	21.1	21.3			
		25	0	21.6	22.0	21.2	21.1	21.3			
SN: 004402740912765						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch23060 / 704 MHz	Ch23095 / 707.5 MHz	Ch23130 / 711 MHz	Ch23060 / 704 MHz	Ch23095 / 707.5 MHz	Ch23130 / 711 MHz
LTE12 10 MHz	QPSK	1	0	23.2	23.6	23.3	23.2	23.2			
		1	24	23.2	23.6	23.4	23.3	23.3			
		1	49	23.2	23.6	23.3	23.2	23.2			
		25	0	22.2	22.6	22.2	22.3	22.1			
		25	12	22.2	22.6	22.3	22.2	22.2			
		25	25	22.2	22.6	22.1	22.1	22.2			
		50	0	22.2	22.6	22.3	22.2	22.2			
	16QAM	1	0	22.6	23.0	22.4	22.2	22.3			
		1	24	22.6	23.0	22.4	22.1	22.4			
		1	49	22.6	23.0	22.4	22.1	22.3			
		25	0	21.6	22.0	21.3	21.2	21.1			
		25	12	21.6	22.0	21.4	21.2	21.2			
		25	25	21.6	22.0	21.2	21.1	21.2			
		50	0	21.6	22.0	21.3	21.2	21.1			

3.3.2 LTE700 (Band 17) Head, Body-worn 15 mm and Wireless Router 10 mm

Antenna 1 & 2 / RM-1104

SN: 004402742178258						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch23755 / 706.5 MHz	Ch23790 / 710 MHz	Ch23825 / 713.5 MHz	Ch23755 / 706.5 MHz	Ch23790 / 710 MHz	Ch23825 / 713.5 MHz
LTE17 5 MHz	QPSK	1	0	23.1	23.5	23.3	23.3	23.2			
		1	12	23.1	23.5	23.3	23.2	23.1			
		1	24	23.1	23.5	23.3	23.3	23.2			
		12	0	22.1	22.5	22.2	22.2	22.1			
		12	6	22.1	22.5	22.3	22.2	22.2			
		12	13	22.1	22.5	22.3	22.1	22.1			
		25	0	22.1	22.5	22.3	22.2	22.2			
	16QAM	1	0	22.5	22.9	22.7	22.9	22.5			
		1	12	22.5	22.9	22.8	22.9	22.4			
		1	24	22.5	22.9	22.7	22.8	22.4			
		12	0	21.5	21.9	21.3	21.3	21.3			
		12	6	21.5	21.9	21.3	21.2	21.2			
		12	13	21.5	21.9	21.3	21.1	21.3			
		25	0	21.5	21.9	21.2	21.2	21.2			

(LTE17 table continues)

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(LTE17 table continues)

SN: 004402742178258						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch23780 / 709 MHz	Ch23790 / 710 MHz	Ch23800 / 711 MHz	Ch23780 / 709 MHz	Ch23790 / 710 MHz	Ch23800 / 711 MHz
LTE17 10 MHz	QPSK	1	0	23.1	23.5	23.3	23.2	23.2			
		1	24	23.1	23.5	23.4	23.3	23.2			
		1	49	23.1	23.5	23.3	23.2	23.2			
		25	0	22.1	22.5	22.3	22.3	22.1			
		25	12	22.1	22.5	22.4	22.2	22.1			
		25	25	22.1	22.5	22.3	22.3	22.1			
		50	0	22.1	22.5	22.3	22.3	22.2			
	16QAM	1	0	22.5	22.9	22.2	22.5	22.5			
		1	24	22.5	22.9	22.3	22.4	22.5			
		1	49	22.5	22.9	22.2	22.4	22.4			
		25	0	21.5	21.9	21.3	21.3	21.1			
		25	12	21.5	21.9	21.3	21.2	21.1			
		25	25	21.5	21.9	21.3	21.2	21.0			
		50	0	21.5	21.9	21.3	21.3	21.2			

Antenna 1 & 2 / RM-1118

SN: 004402740912765						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch23755 / 706.5 MHz	Ch23790 / 710 MHz	Ch23825 / 713.5 MHz	Ch23755 / 706.5 MHz	Ch23790 / 710 MHz	Ch23825 / 713.5 MHz
LTE17 5 MHz	QPSK	1	0	23.1	23.5	23.2	23.3	23.1			
		1	12	23.1	23.5	23.3	23.3	23.3			
		1	24	23.1	23.5	23.2	23.4	23.3			
		12	0	22.1	22.5	22.1	22.2	22.1			
		12	6	22.1	22.5	22.1	22.3	22.2			
		12	13	22.1	22.5	22.1	22.2	22.1			
		25	0	22.1	22.5	22.1	22.2	22.2			
	16QAM	1	0	22.5	22.9	22.5	22.8	22.6			
		1	12	22.5	22.9	22.5	22.9	22.8			
		1	24	22.5	22.9	22.7	22.8	22.7			
		12	0	21.5	21.9	21.2	21.2	21.0			
		12	6	21.5	21.9	21.1	21.3	21.2			
		12	13	21.5	21.9	21.2	21.2	21.1			
		25	0	21.5	21.9	21.1	21.2	21.2			

SN: 004402740912765						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch23780 / 709 MHz	Ch23790 / 710 MHz	Ch23800 / 711 MHz	Ch23780 / 709 MHz	Ch23790 / 710 MHz	Ch23800 / 711 MHz
LTE17 10 MHz	QPSK	1	0	23.1	23.5	23.2	23.4	23.3			
		1	24	23.1	23.5	23.2	23.4	23.3			
		1	49	23.1	23.5	23.2	23.3	23.2			
		25	0	22.1	22.5	22.2	22.3	22.0			
		25	12	22.1	22.5	22.2	22.3	22.1			
		25	25	22.1	22.5	22.1	22.2	22.1			
		50	0	22.1	22.5	22.2	22.2	22.1			
	16QAM	1	0	22.5	22.9	22.6	22.6	22.6			
		1	24	22.5	22.9	22.4	22.5	22.5			
		1	49	22.5	22.9	22.6	22.6	22.5			
		25	0	21.5	21.9	21.2	21.2	20.9			
		25	12	21.5	21.9	21.2	21.2	21.0			
		25	25	21.5	21.9	21.1	21.1	20.9			
		50	0	21.5	21.9	21.2	21.3	21.0			

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3.3.3 LTE850 (Band 5) Head, Body-worn 15 mm and Wireless Router 10 mm

Antenna 1 & 2 / RM-1104

SN: 004402742178209						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20407 / 824.7 MHz	Ch20525 / 836.5 MHz	Ch20643 / 848.3 MHz	Ch20407 / 824.7 MHz	Ch20525 / 836.5 MHz	Ch20643 / 848.3 MHz
LTE5 1.4 MHz	QPSK	1	0	23.4	23.8	23.5	23.4	23.8			
		1	2	23.4	23.8	23.5	23.3	23.7			
		1	5	23.4	23.8	23.5	23.3	23.6			
		3	0	23.4	23.8	23.3	23.3	23.5			
		3	2	23.4	23.8	23.3	23.3	23.7			
		3	3	23.4	23.8	23.2	23.3	23.5			
		6	0	22.4	22.8	22.2	22.2	22.4			
	16QAM	1	0	22.8	23.2	22.6	22.6	23.0			
		1	2	22.8	23.2	22.6	22.5	23.0			
		1	5	22.8	23.2	22.5	22.6	22.9			
		3	0	22.8	23.2	22.4	22.3	22.6			
		3	2	22.8	23.2	22.4	22.4	22.6			
		3	3	22.8	23.2	22.3	22.4	22.5			
		6	0	21.8	22.2	21.3	21.3	21.6			

SN: 004402742178209						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20415 / 825.5 MHz	Ch20525 / 836.5 MHz	Ch20635 / 847.5 MHz	Ch20415 / 825.5 MHz	Ch20525 / 836.5 MHz	Ch20635 / 847.5 MHz
LTE5 3 MHz	QPSK	1	0	23.4	23.8	23.3	23.2	23.5			
		1	7	23.4	23.8	23.5	23.4	23.7			
		1	14	23.4	23.8	23.2	23.2	23.5			
		8	0	22.4	22.8	22.3	22.2	22.5			
		8	3	22.4	22.8	22.3	22.3	22.5			
		8	7	22.4	22.8	22.3	22.3	22.5			
		15	0	22.4	22.8	22.2	22.2	22.5			
	16QAM	1	0	22.8	23.2	22.8	22.3	22.4			
		1	7	22.8	23.2	22.9	22.5	22.7			
		1	14	22.8	23.2	22.6	22.4	22.4			
		8	0	21.8	22.2	21.3	21.3	21.6			
		8	3	21.8	22.2	21.3	21.3	21.5			
		8	7	21.8	22.2	21.3	21.3	21.5			
		15	0	21.8	22.2	21.2	21.3	21.5			

SN: 004402742178209						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20425 / 826.5 MHz	Ch20525 / 836.5 MHz	Ch20625 / 846.5 MHz	Ch20425 / 826.5 MHz	Ch20525 / 836.5 MHz	Ch20625 / 846.5 MHz
LTE5 5 MHz	QPSK	1	0	23.4	23.8	23.3	23.3	23.5			
		1	12	23.4	23.8	23.1	23.1	23.3			
		1	24	23.4	23.8	23.3	23.3	23.5			
		12	0	22.4	22.8	22.2	22.1	22.5			
		12	6	22.4	22.8	22.2	22.2	22.5			
		12	13	22.4	22.8	22.1	22.1	22.4			
		25	0	22.4	22.8	22.1	22.2	22.5			
	16QAM	1	0	22.8	23.2	22.4	22.4	22.9			
		1	12	22.8	23.2	22.5	22.5	23.3			
		1	24	22.8	23.2	22.3	22.5	22.9			
		12	0	21.8	22.2	21.1	21.1	21.5			
		12	6	21.8	22.2	21.1	21.2	21.5			
		12	13	21.8	22.2	21.1	21.1	21.5			
		25	0	21.8	22.2	21.1	21.1	21.4			

(LTE5 table continues)

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(LTE5 table continues)

SN: 004402742178209						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20450 / 829 MHz	Ch20525 / 836.5 MHz	Ch20600 / 844 MHz	Ch20450 / 829 MHz	Ch20525 / 836.5 MHz	Ch20600 / 844 MHz
LTE5 10 MHz	QPSK	1	0	23.4	23.8	23.3	23.1	23.4			
		1	24	23.4	23.8	23.3	23.3	23.4			
		1	49	23.4	23.8	23.1	23.2	23.3			
		25	0	22.4	22.8	22.2	22.2	22.4			
		25	12	22.4	22.8	22.3	22.2	22.4			
		25	25	22.4	22.8	22.2	22.2	22.4			
		50	0	22.4	22.8	22.2	22.1	22.3			
	16QAM	1	0	22.8	23.2	23.0	22.5	22.7			
		1	24	22.8	23.2	23.0	22.6	22.7			
		1	49	22.8	23.2	22.7	22.5	22.6			
		25	0	21.8	22.2	21.2	21.2	21.3			
		25	12	21.8	22.2	21.3	21.2	21.4			
		25	25	21.8	22.2	21.2	21.2	21.4			
		50	0	21.8	22.2	21.3	21.1	21.4			

Antenna 1 & 2 / RM-1118

SN: 004402740912567						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20407 / 824.7 MHz	Ch20525 / 836.5 MHz	Ch20643 / 848.3 MHz	Ch20407 / 824.7 MHz	Ch20525 / 836.5 MHz	Ch20643 / 848.3 MHz
LTE5 1.4 MHz	QPSK	1	0	23.4	23.8	23.7	23.5	23.7			
		1	2	23.4	23.8	23.7	23.6	23.7			
		1	5	23.4	23.8	23.5	23.5	23.6			
		3	0	23.4	23.8	23.5	23.5	23.6			
		3	2	23.4	23.8	23.5	23.6	23.6			
		3	3	23.4	23.8	23.6	23.5	23.5			
		6	0	22.4	22.8	22.4	22.4	22.5			
	16QAM	1	0	22.8	23.2	22.7	22.6	22.6			
		1	2	22.8	23.2	23.0	22.7	22.6			
		1	5	22.8	23.2	22.7	22.5	22.7			
		3	0	22.8	23.2	22.5	22.5	22.7			
		3	2	22.8	23.2	22.6	22.6	22.7			
		3	3	22.8	23.2	22.5	22.5	22.6			
		6	0	21.8	22.2	21.5	21.5	21.4			
SN: 004402740912567						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20415 / 825.5 MHz	Ch20525 / 836.5 MHz	Ch20635 / 847.5 MHz	Ch20415 / 825.5 MHz	Ch20525 / 836.5 MHz	Ch20635 / 847.5 MHz
LTE5 3 MHz	QPSK	1	0	23.4	23.8	23.5	23.5	23.5			
		1	7	23.4	23.8	23.6	23.5	23.6			
		1	14	23.4	23.8	23.5	23.6	23.6			
		8	0	22.4	22.8	22.5	22.4	22.5			
		8	3	22.4	22.8	22.5	22.5	22.6			
		8	7	22.4	22.8	22.4	22.5	22.5			
		15	0	22.4	22.8	22.4	22.4	22.5			
	16QAM	1	0	22.8	23.2	22.5	22.6	22.9			
		1	7	22.8	23.2	22.6	22.8	23.1			
		1	14	22.8	23.2	22.6	22.8	22.9			
		8	0	21.8	22.2	21.5	21.5	21.6			
		8	3	21.8	22.2	21.4	21.5	21.6			
		8	7	21.8	22.2	21.4	21.5	21.6			
		15	0	21.8	22.2	21.4	21.5	21.6			

(LTE5 table continues)

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(LTE5 table continues)

SN: 004402740912567						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20425 / 826.5 MHz	Ch20525 / 836.5 MHz	Ch20625 / 846.5 MHz	Ch20425 / 826.5 MHz	Ch20525 / 836.5 MHz	Ch20625 / 846.5 MHz
LTE5 5 MHz	QPSK	1	0	23.4	23.8	23.5	23.5	23.6			
		1	12	23.4	23.8	23.5	23.6	23.7			
		1	24	23.4	23.8	23.5	23.6	23.6			
		12	0	22.4	22.8	22.4	22.4	22.5			
		12	6	22.4	22.8	22.4	22.5	22.5			
		12	13	22.4	22.8	22.4	22.4	22.5			
		25	0	22.4	22.8	22.4	22.5	22.6			
	16QAM	1	0	22.8	23.2	22.8	22.7	22.9			
		1	12	22.8	23.2	22.9	22.8	22.8			
		1	24	22.8	23.2	22.9	22.8	22.8			
		12	0	21.8	22.2	21.4	21.5	21.4			
		12	6	21.8	22.2	21.4	21.5	21.4			
		12	13	21.8	22.2	21.4	21.5	21.4			
		25	0	21.8	22.2	21.4	21.5	21.5			
SN: 004402740912567						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20450 / 829 MHz	Ch20525 / 836.5 MHz	Ch20600 / 844 MHz	Ch20450 / 829 MHz	Ch20525 / 836.5 MHz	Ch20600 / 844 MHz
LTE5 10 MHz	QPSK	1	0	23.4	23.8	23.6	23.5	23.6			
		1	24	23.4	23.8	23.6	23.6	23.6			
		1	49	23.4	23.8	23.5	23.6	23.5			
		25	0	22.4	22.8	22.4	22.4	22.5			
		25	12	22.4	22.8	22.4	22.5	22.5			
		25	25	22.4	22.8	22.4	22.5	22.5			
		50	0	22.4	22.8	22.4	22.5	22.5			
	16QAM	1	0	22.8	23.2	22.9	23.1	22.7			
		1	24	22.8	23.2	22.8	23.0	22.7			
		1	49	22.8	23.2	22.8	23.0	22.7			
		25	0	21.8	22.2	21.3	21.4	21.5			
		25	12	21.8	22.2	21.4	21.5	21.6			
		25	25	21.8	22.2	21.3	21.4	21.5			
		50	0	21.8	22.2	21.4	21.5	21.5			

3.3.4 LTE1700/2100 (Band 4) Head, Body-worn 15 mm and Wireless Router 10 mm

Antenna 1 & 2 / RM-1104

SN: 004402742178217						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch19957 / 1710.7 MHz	Ch20175 / 1732.5 MHz	Ch20393 / 1754.3 MHz	Ch19957 / 1710.7 MHz	Ch20175 / 1732.5 MHz	Ch20393 / 1754.3 MHz
LTE4 1.4 MHz	QPSK	1	0	22.9	23.3	23.1	23.2	23.1			
		1	2	22.9	23.3	23.1	23.2	23.1			
		1	5	22.9	23.3	23.0	23.1	23.0			
		3	0	22.9	23.3	22.9	22.9	22.7			
		3	2	22.9	23.3	23.0	23.0	22.8			
		3	3	22.9	23.3	22.9	23.0	22.8			
		6	0	21.9	22.3	21.8	21.9	21.8			
	16QAM	1	0	22.2	22.6	22.4	22.6	22.2			
		1	2	22.2	22.6	22.3	22.6	22.4			
		1	5	22.2	22.6	22.4	22.7	22.2			
		3	0	22.2	22.6	21.8	22.0	21.9			
		3	2	22.2	22.6	21.9	22.0	21.8			
		3	3	22.2	22.6	21.9	22.0	21.8			
		6	0	21.2	21.6	21.0	21.1	20.8			

(LTE4 table continues)

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(LTE4 table continues)

SN: 004402742178217						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch19965 / 1711.5 MHz	Ch20175 / 1732.5 MHz	Ch20385 / 1753.5 MHz	Ch19965 / 1711.5 MHz	Ch20175 / 1732.5 MHz	Ch20385 / 1753.5 MHz
LTE4 3 MHz	QPSK	1	0	22.9	23.3	22.9	22.9	22.9	22.8	23.0	22.8
		1	7	22.9	23.3	23.1	23.2	23.2	23.1	23.2	23.2
		1	14	22.9	23.3	22.9	22.9	23.0	22.9	23.0	22.9
		8	0	21.9	22.3	21.9	21.9	21.9	20.8	20.9	20.9
		8	3	21.9	22.3	21.9	22.0	21.9	20.9	21.0	20.9
		8	7	21.9	22.3	21.9	22.0	21.9	20.9	20.9	20.8
		15	0	21.9	22.3	21.9	22.0	21.9	20.9	21.0	20.8
	16QAM	1	0	22.2	22.6	21.8	22.0	21.9	22.3	22.4	22.3
		1	7	22.2	22.6	22.0	22.0	22.1	22.4	22.6	22.5
		1	14	22.2	22.6	21.9	22.0	22.0	22.3	22.4	22.3
		8	0	21.2	21.6	21.0	21.1	20.9	19.9	20.0	19.9
		8	3	21.2	21.6	21.1	21.1	20.9	20.0	20.1	19.9
		8	7	21.2	21.6	21.0	21.0	20.9	20.0	20.0	19.9
		15	0	21.2	21.6	21.0	21.1	20.8	19.9	20.0	19.9

SN: 004402742178217						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch19975 / 1712.5 MHz	Ch20175 / 1732.5 MHz	Ch20375 / 1752.5 MHz	Ch19975 / 1712.5 MHz	Ch20175 / 1732.5 MHz	Ch20375 / 1752.5 MHz
LTE4 5 MHz	QPSK	1	0	22.9	23.3	22.9	23.0	23.0	23.0	23.0	23.0
		1	12	22.9	23.3	22.9	22.9	22.9	23.0	23.0	23.0
		1	24	22.9	23.3	23.0	23.0	23.0	23.0	23.1	22.9
		12	0	21.9	22.3	21.9	21.9	21.9	20.8	20.9	20.8
		12	6	21.9	22.3	22.0	22.0	22.0	20.9	21.0	20.9
		12	13	21.9	22.3	21.9	21.9	21.8	20.8	20.9	20.8
		25	0	21.9	22.3	21.9	22.0	21.9	20.9	20.9	20.9
	16QAM	1	0	22.2	22.6	22.4	22.4	22.4	22.1	22.2	22.4
		1	12	22.2	22.6	22.5	22.7	22.7	22.2	22.3	22.6
		1	24	22.2	22.6	22.5	22.6	22.4	22.1	22.3	22.3
		12	0	21.2	21.6	20.9	21.0	20.8	19.9	19.9	19.8
		12	6	21.2	21.6	21.0	21.0	20.9	20.0	19.9	19.9
		12	13	21.2	21.6	20.9	20.9	20.8	19.9	19.9	19.8
		25	0	21.2	21.6	20.8	21.0	21.0	19.9	20.0	19.8

SN: 004402742178217						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20000 / 1715 MHz	Ch20175 / 1732.5 MHz	Ch20350 / 1750 MHz	Ch20000 / 1715 MHz	Ch20175 / 1732.5 MHz	Ch20350 / 1750 MHz
LTE4 10 MHz	QPSK	1	0	22.9	23.3	23.1	23.1	23.1	23.1	23.1	22.9
		1	24	22.9	23.3	23.1	23.1	23.1	23.1	23.2	23.0
		1	49	22.9	23.3	22.9	23.0	22.9	22.9	22.9	22.8
		25	0	21.9	22.3	21.9	21.9	21.9	20.9	20.9	20.9
		25	12	21.9	22.3	22.0	22.0	21.9	21.0	21.0	20.8
		25	25	21.9	22.3	21.8	21.9	21.8	20.8	20.9	20.8
		50	0	21.9	22.3	21.8	21.9	21.8	20.8	20.9	20.8
	16QAM	1	0	22.2	22.6	22.3	22.4	22.3	22.5	22.3	21.8
		1	24	22.2	22.6	22.3	22.3	22.3	22.6	22.3	22.0
		1	49	22.2	22.6	22.1	22.3	22.2	22.3	22.1	21.8
		25	0	21.2	21.6	21.0	21.0	20.9	19.9	20.0	19.9
		25	12	21.2	21.6	21.0	21.0	20.8	19.9	20.1	19.8
		25	25	21.2	21.6	20.9	20.9	20.7	19.8	20.0	19.8
		50	0	21.2	21.6	20.8	21.0	20.8	19.8	19.9	19.8

(LTE4 table continues)

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(LTE4 table continues)

SN: 004402742178217						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20025 / 1717.5 MHz	Ch20175 / 1732.5 MHz	Ch20325 / 1747.5 MHz	Ch20025 / 1717.5 MHz	Ch20175 / 1732.5 MHz	Ch20325 / 1747.5 MHz
LTE4 15 MHz	QPSK	1	0	22.9	23.3	22.8	22.7	23.0	22.8	22.8	23.0
		1	36	22.9	23.3	22.9	22.7	22.8	22.9	23.0	22.6
		1	74	22.9	23.3	22.6	22.7	22.7	22.6	22.8	22.7
		36	0	21.9	22.3	21.7	21.8	21.8	20.7	20.7	20.8
		36	18	21.9	22.3	21.7	21.8	21.9	20.8	20.8	20.8
		36	38	21.9	22.3	21.6	21.8	21.8	20.6	20.8	20.8
		75	0	21.9	22.3	21.6	21.7	21.8	20.6	20.7	20.8
	16QAM	1	0	22.2	22.6	22.2	21.8	21.9	21.8	21.9	22.5
		1	36	22.2	22.6	22.1	21.9	21.7	21.7	21.9	22.3
		1	74	22.2	22.6	22.1	21.9	21.6	21.6	21.9	22.2
		36	0	21.2	21.6	20.8	20.8	20.8	19.8	19.7	19.8
		36	18	21.2	21.6	20.7	20.8	20.8	19.8	19.8	19.8
		36	38	21.2	21.6	20.6	20.8	20.7	19.6	19.7	19.8
		75	0	21.2	21.6	20.6	20.7	20.8	19.6	19.7	19.8

SN: 004402742178217						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20050 / 1720 MHz	Ch20175 / 1732.5 MHz	Ch20300 / 1745 MHz	Ch20050 / 1720 MHz	Ch20175 / 1732.5 MHz	Ch20300 / 1745 MHz
LTE4 20 MHz	QPSK	1	0	22.9	23.3	22.8	22.8	23.0	22.8	22.8	23.0
		1	49	22.9	23.3	22.6	22.8	22.9	22.7	22.8	22.9
		1	99	22.9	23.3	22.6	22.7	22.7	22.6	22.7	22.7
		50	0	21.9	22.3	21.7	21.8	22.0	20.7	20.8	21.0
		50	24	21.9	22.3	21.7	21.8	21.9	20.7	20.8	20.9
		50	50	21.9	22.3	21.7	21.8	21.8	20.7	20.8	20.8
		100	0	21.9	22.3	21.7	21.8	21.9	20.7	20.8	20.9
	16QAM	1	0	22.2	22.6	21.9	21.9	22.5	22.3	22.0	22.2
		1	49	22.2	22.6	21.7	21.9	22.3	22.2	22.0	22.1
		1	99	22.2	22.6	21.6	21.9	22.2	22.1	21.9	21.9
		50	0	21.2	21.6	20.7	20.7	20.9	19.7	19.8	20.0
		50	24	21.2	21.6	20.7	20.8	20.9	19.8	19.9	19.9
		50	50	21.2	21.6	20.6	20.7	20.8	19.7	19.8	19.8
		100	0	21.2	21.6	20.7	20.8	20.8	19.8	19.9	19.9

Antenna 1 & 2 / RM-1118

SN: 004402740912641						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch19957 / 1710.7 MHz	Ch20175 / 1732.5 MHz	Ch20393 / 1754.3 MHz	Ch19957 / 1710.7 MHz	Ch20175 / 1732.5 MHz	Ch20393 / 1754.3 MHz
LTE4 1.4 MHz	QPSK	1	0	22.9	23.3	22.7	22.7	22.7			
		1	2	22.9	23.3	22.7	22.8	22.7			
		1	5	22.9	23.3	22.6	22.6	22.6			
		3	0	22.9	23.3	22.5	22.6	22.6			
		3	2	22.9	23.3	22.6	22.6	22.7			
		3	3	22.9	23.3	22.5	22.6	22.6			
		6	0	21.9	22.3	21.5	21.6	21.6			
	16QAM	1	0	22.2	22.6	21.6	21.8	21.8			
		1	2	22.2	22.6	21.5	21.7	21.8			
		1	5	22.2	22.6	21.6	21.8	21.8			
		3	0	22.2	22.6	21.7	21.5	21.7			
		3	2	22.2	22.6	21.7	21.5	21.8			
		3	3	22.2	22.6	21.6	21.5	21.7			
		6	0	21.2	21.6	20.5	20.6	20.7			

(LTE4 table continues)

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(LTE4 table continues)

SN: 004402740912641						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch19965 / 1711.5 MHz	Ch20175 / 1732.5 MHz	Ch20385 / 1753.5 MHz	Ch19965 / 1711.5 MHz	Ch20175 / 1732.5 MHz	Ch20385 / 1753.5 MHz
LTE4 3 MHz	QPSK	1	0	22.9	23.3	22.6	22.6	22.5	22.6	22.7	22.5
		1	7	22.9	23.3	22.6	22.6	22.6	22.6	22.6	22.6
		1	14	22.9	23.3	22.6	22.6	22.5	22.6	22.6	22.6
		8	0	21.9	22.3	21.5	21.6	21.6	20.5	20.6	20.6
		8	3	21.9	22.3	21.6	21.7	21.6	20.6	20.6	20.6
		8	7	21.9	22.3	21.6	21.6	21.6	20.6	20.6	20.6
		15	0	21.9	22.3	21.5	21.6	21.6	20.6	20.6	20.6
	16QAM	1	0	22.2	22.6	22.0	22.1	21.7	22.0	22.0	21.7
		1	7	22.2	22.6	22.1	22.2	21.8	22.1	22.1	21.8
		1	14	22.2	22.6	22.0	22.1	21.7	22.1	21.7	21.7
		8	0	21.2	21.6	20.6	20.6	20.7	19.6	19.7	19.7
		8	3	21.2	21.6	20.6	20.6	20.7	19.7	19.7	19.7
		8	7	21.2	21.6	20.6	20.6	20.6	19.7	19.6	19.6
		15	0	21.2	21.6	20.6	20.6	20.6	19.6	19.7	19.6

SN: 004402740912641						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch19975 / 1712.5 MHz	Ch20175 / 1732.5 MHz	Ch20375 / 1752.5 MHz	Ch19975 / 1712.5 MHz	Ch20175 / 1732.5 MHz	Ch20375 / 1752.5 MHz
LTE4 5 MHz	QPSK	1	0	22.9	23.3	22.6	22.6	22.6	22.6	22.6	22.6
		1	12	22.9	23.3	22.7	22.8	22.7	22.7	22.8	22.7
		1	24	22.9	23.3	22.7	22.5	22.5	22.7	22.6	22.5
		12	0	21.9	22.3	21.5	21.6	21.5	20.5	20.6	20.5
		12	6	21.9	22.3	21.6	21.6	21.6	20.6	20.6	20.6
		12	13	21.9	22.3	21.5	21.5	21.5	20.6	20.5	20.5
		25	0	21.9	22.3	21.6	21.6	21.6	20.6	20.7	20.6
	16QAM	1	0	22.2	22.6	21.8	22.0	22.2	22.0	22.1	22.1
		1	12	22.2	22.6	22.0	22.1	22.2	22.0	22.1	22.2
		1	24	22.2	22.6	21.8	21.9	22.1	22.0	22.0	22.0
		12	0	21.2	21.6	20.5	20.6	20.6	19.6	19.6	19.6
		12	6	21.2	21.6	20.6	20.6	20.7	19.6	19.6	19.7
		12	13	21.2	21.6	20.5	20.5	20.5	19.6	19.5	19.6
		25	0	21.2	21.6	20.6	20.5	20.6	19.6	19.6	19.6

SN: 004402740912641						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20000 / 1715 MHz	Ch20175 / 1732.5 MHz	Ch20350 / 1750 MHz	Ch20000 / 1715 MHz	Ch20175 / 1732.5 MHz	Ch20350 / 1750 MHz
LTE4 10 MHz	QPSK	1	0	22.9	23.3	22.6	22.6	22.7	22.7	22.6	22.7
		1	24	22.9	23.3	22.7	22.7	22.8	22.7	22.7	22.8
		1	49	22.9	23.3	22.5	22.6	22.5	22.5	22.6	22.6
		25	0	21.9	22.3	21.6	21.6	21.6	20.6	20.6	20.7
		25	12	21.9	22.3	21.6	21.6	21.6	20.5	20.6	20.6
		25	25	21.9	22.3	21.5	21.5	21.5	20.5	20.5	20.5
		50	0	21.9	22.3	21.5	21.6	21.5	20.5	20.6	20.5
	16QAM	1	0	22.2	22.6	21.8	21.5	21.8	21.7	21.6	21.8
		1	24	22.2	22.6	21.7	21.5	21.7	21.7	21.6	21.7
		1	49	22.2	22.6	21.7	21.5	21.6	21.5	21.6	21.7
		25	0	21.2	21.6	20.7	20.6	20.6	19.7	19.7	19.6
		25	12	21.2	21.6	20.6	20.6	20.7	19.7	19.7	19.7
		25	25	21.2	21.6	20.6	20.5	20.5	19.6	19.5	19.5
		50	0	21.2	21.6	20.5	20.6	20.5	19.6	19.7	19.5

(LTE4 table continues)

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(LTE4 table continues)

SN: 004402740912641						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20025 / 1717.5 MHz	Ch20175 / 1732.5 MHz	Ch20325 / 1747.5 MHz	Ch20025 / 1717.5 MHz	Ch20175 / 1732.5 MHz	Ch20325 / 1747.5 MHz
LTE4 15 MHz	QPSK	1	0	22.9	23.3	22.7	22.8	22.9	22.8	22.8	22.9
		1	36	22.9	23.3	22.5	22.6	22.7	22.6	22.6	22.7
		1	74	22.9	23.3	22.4	22.5	22.6	22.5	22.5	22.7
		36	0	21.9	22.3	21.7	21.7	21.7	20.8	20.7	20.8
		36	18	21.9	22.3	21.6	21.6	21.7	20.6	20.7	20.7
		36	38	21.9	22.3	21.6	21.5	21.7	20.6	20.5	20.7
		75	0	21.9	22.3	21.6	21.6	21.6	20.6	20.6	20.7
	16QAM	1	0	22.2	22.6	22.0	22.3	22.3	22.2	22.3	22.4
		1	36	22.2	22.6	21.8	22.1	22.2	21.8	22.1	22.2
		1	74	22.2	22.6	21.7	22.0	22.1	22.0	22.0	22.1
		36	0	21.2	21.6	20.7	20.7	20.8	19.8	19.7	19.8
		36	18	21.2	21.6	20.6	20.6	20.7	19.6	19.7	19.7
		36	38	21.2	21.6	20.6	20.5	20.7	19.6	19.5	19.7
		75	0	21.2	21.6	20.6	20.6	20.7	19.7	19.6	19.7
SN: 004402740912641						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20050 / 1720 MHz	Ch20175 / 1732.5 MHz	Ch20300 / 1745 MHz	Ch20050 / 1720 MHz	Ch20175 / 1732.5 MHz	Ch20300 / 1745 MHz
LTE4 20 MHz	QPSK	1	0	22.9	23.3	22.9	22.9	23.0	22.9	22.9	23.0
		1	49	22.9	23.3	22.6	22.6	22.7	22.6	22.6	22.7
		1	99	22.9	23.3	22.5	22.5	22.7	22.5	22.4	22.6
		50	0	21.9	22.3	21.7	21.7	21.7	20.8	20.7	20.7
		50	24	21.9	22.3	21.7	21.7	21.6	20.6	20.7	20.7
		50	50	21.9	22.3	21.6	21.6	21.6	20.6	20.5	20.6
		100	0	21.9	22.3	21.7	21.6	21.7	20.7	20.6	20.7
	16QAM	1	0	22.2	22.6	22.1	22.1	22.4	22.1	22.1	22.4
		1	49	22.2	22.6	21.8	21.9	22.0	21.8	21.9	22.1
		1	99	22.2	22.6	21.7	21.7	22.0	21.8	21.7	22.0
		50	0	21.2	21.6	20.8	20.7	20.6	19.8	19.7	19.7
		50	24	21.2	21.6	20.7	20.7	20.6	19.7	19.7	19.6
		50	50	21.2	21.6	20.6	20.6	20.6	19.6	19.6	19.6
		100	0	21.2	21.6	20.7	20.6	20.7	19.7	19.7	19.7

3.3.5 LTE1900 (Band 2) Head, Body-worn 15 mm and Wireless Router 10 mm

Antenna 1 & 2 / RM-1104

SN: 004402742178308						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch18607 / 1850.7 MHz	Ch18900 / 1880 MHz	Ch19193 / 1909.3 MHz	Ch18607 / 1850.7 MHz	Ch18900 / 1880 MHz	Ch19193 / 1909.3 MHz
LTE2 1.4 MHz	QPSK	1	0	23.0	23.4	23.1	23.0	22.9			
		1	2	23.0	23.4	23.1	23.0	22.9			
		1	5	23.0	23.4	23.0	23.0	22.9			
		3	0	23.0	23.4	23.1	23.0	22.8			
		3	2	23.0	23.4	23.1	23.1	22.9			
		3	3	23.0	23.4	23.0	23.0	22.8			
		6	0	22.0	22.4	21.9	21.9	21.8			
	16QAM	1	0	22.3	22.7	22.6	22.6	22.2			
		1	2	22.3	22.7	22.6	22.5	22.3			
		1	5	22.3	22.7	22.5	22.6	22.3			
		3	0	22.3	22.7	22.0	21.9	21.8			
		3	2	22.3	22.7	22.1	21.9	21.8			
		3	3	22.3	22.7	22.0	21.8	21.9			
		6	0	21.3	21.7	21.1	21.0	20.8			

(LTE2 table continues)

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(LTE2 table continues)

SN: 004402742178308						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch18615 / 1851.5 MHz	Ch18900 / 1880 MHz	Ch19185 / 1908.5 MHz	Ch18615 / 1851.5 MHz	Ch18900 / 1880 MHz	Ch19185 / 1908.5 MHz
LTE2 3 MHz	QPSK	1	0	23.0	23.4	22.9	23.0	22.7	23.0	22.9	22.7
		1	7	23.0	23.4	23.3	23.2	23.3	23.3	23.2	23.1
		1	14	23.0	23.4	23.0	22.9	22.9	23.0	22.9	22.8
		8	0	22.0	22.4	22.0	21.9	21.9	20.9	20.9	20.8
		8	3	22.0	22.4	22.0	22.0	21.9	21.0	20.9	20.8
		8	7	22.0	22.4	22.0	21.9	21.9	21.0	20.9	20.8
		15	0	22.0	22.4	22.0	21.9	21.8	21.0	20.9	20.8
	16QAM	1	0	22.3	22.7	22.2	22.3	22.3	22.1	21.9	21.9
		1	7	22.3	22.7	22.4	22.5	22.4	22.2	21.9	22.0
		1	14	22.3	22.7	22.4	22.3	22.3	22.2	21.9	21.9
		8	0	21.3	21.7	21.0	20.9	20.9	20.1	20.0	19.8
		8	3	21.3	21.7	21.0	20.9	20.9	20.2	20.0	19.8
		8	7	21.3	21.7	21.0	21.0	20.9	20.1	20.0	19.8
		15	0	21.3	21.7	21.0	21.0	20.7	20.1	20.0	19.7

SN: 004402742178308						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch18625 / 1852.5 MHz	Ch18900 / 1880 MHz	Ch19175 / 1907.5 MHz	Ch18625 / 1852.5 MHz	Ch18900 / 1880 MHz	Ch19175 / 1907.5 MHz
LTE2 5 MHz	QPSK	1	0	23.0	23.4	23.0	23.0	22.9	23.1	23.0	22.9
		1	12	23.0	23.4	23.0	22.8	22.6	23.1	22.8	22.7
		1	24	23.0	23.4	23.0	22.9	22.7	23.0	22.9	22.8
		12	0	22.0	22.4	22.0	21.9	21.7	21.0	20.9	20.7
		12	6	22.0	22.4	22.0	22.0	21.9	21.0	21.0	20.7
		12	13	22.0	22.4	22.0	21.9	21.8	20.9	20.8	20.7
		25	0	22.0	22.4	22.0	21.9	21.8	21.0	20.9	20.7
	16QAM	1	0	22.3	22.7	22.4	22.2	22.0	22.3	22.4	22.4
		1	12	22.3	22.7	22.4	22.2	21.9	22.2	22.5	22.5
		1	24	22.3	22.7	22.2	22.0	21.9	22.1	22.4	22.4
		12	0	21.3	21.7	21.0	21.0	20.8	20.0	19.9	19.7
		12	6	21.3	21.7	21.0	21.0	20.9	20.0	20.0	19.8
		12	13	21.3	21.7	21.0	21.0	20.8	20.0	19.9	19.7
		25	0	21.3	21.7	21.0	21.0	20.8	19.9	19.8	19.7

SN: 004402742178308						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch18650 / 1855 MHz	Ch18900 / 1880 MHz	Ch19150 / 1905 MHz	Ch18650 / 1855 MHz	Ch18900 / 1880 MHz	Ch19150 / 1905 MHz
LTE2 10 MHz	QPSK	1	0	23.0	23.4	23.1	23.0	22.9	23.1	23.0	22.9
		1	24	23.0	23.4	23.1	23.0	23.0	23.0	23.0	22.9
		1	49	23.0	23.4	23.0	22.9	22.8	23.0	22.9	22.8
		25	0	22.0	22.4	22.0	21.9	21.8	21.0	20.9	20.8
		25	12	22.0	22.4	22.0	21.9	21.9	21.0	20.9	20.8
		25	25	22.0	22.4	22.0	21.9	21.8	20.9	20.8	20.7
		50	0	22.0	22.4	22.0	21.9	21.8	21.0	20.9	20.8
	16QAM	1	0	22.3	22.7	22.1	22.3	22.5	22.4	22.3	22.2
		1	24	22.3	22.7	22.1	22.3	22.5	22.3	22.3	22.1
		1	49	22.3	22.7	22.1	22.1	22.4	22.2	22.1	22.2
		25	0	21.3	21.7	21.0	20.9	20.8	20.1	19.9	19.7
		25	12	21.3	21.7	21.0	20.9	20.9	20.0	19.9	19.8
		25	25	21.3	21.7	21.0	20.8	20.8	20.0	19.8	19.7
		50	0	21.3	21.7	21.0	20.9	20.8	20.1	19.9	19.8

(LTE2 table continues)

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(LTE2 table continues)

SN: 004402742178308						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch18675 / 1857.5 MHz	Ch18900 / 1880 MHz	Ch19125 / 1902.5 MHz	Ch18675 / 1857.5 MHz	Ch18900 / 1880 MHz	Ch19125 / 1902.5 MHz
LTE2 15 MHz	QPSK	1	0	23.0	23.4	23.3	23.1	23.0	23.2	23.1	22.9
		1	36	23.0	23.4	23.3	23.1	22.9	23.3	23.1	22.9
		1	74	23.0	23.4	23.0	23.1	23.0	23.0	23.0	22.9
		36	0	22.0	22.4	22.2	22.1	21.9	21.1	21.0	20.9
		36	18	22.0	22.4	22.1	22.1	22.0	21.1	21.1	21.0
		36	38	22.0	22.4	22.0	22.0	22.0	21.0	20.9	21.0
		75	0	22.0	22.4	22.0	22.0	22.0	21.0	21.0	20.9
	16QAM	1	0	22.3	22.7	22.7	22.2	22.2	22.6	22.4	22.1
		1	36	22.3	22.7	22.6	22.1	22.2	22.5	22.5	22.0
		1	74	22.3	22.7	22.5	22.2	22.1	22.4	22.4	22.0
		36	0	21.3	21.7	21.2	21.0	20.9	20.1	20.0	19.9
		36	18	21.3	21.7	21.2	21.1	20.9	20.1	20.0	20.0
		36	38	21.3	21.7	21.1	20.9	21.0	20.1	19.9	20.0
		75	0	21.3	21.7	21.1	21.0	21.0	20.1	20.0	19.9

SN: 004402742178308						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch18700 / 1860 MHz	Ch18900 / 1880 MHz	Ch19100 / 1900 MHz	Ch18700 / 1860 MHz	Ch18900 / 1880 MHz	Ch19100 / 1900 MHz
LTE2 20 MHz	QPSK	1	0	23.0	23.4	23.2	23.1	23.0	23.2	23.1	23.0
		1	49	23.0	23.4	23.1	23.1	22.9	23.0	23.1	23.0
		1	99	23.0	23.4	23.0	22.9	22.8	22.9	22.9	22.8
		50	0	22.0	22.4	22.2	22.0	21.9	21.2	21.1	20.9
		50	24	22.0	22.4	22.0	22.1	21.8	21.0	21.0	20.8
		50	50	22.0	22.4	22.0	21.9	21.9	21.0	20.9	20.9
		100	0	22.0	22.4	22.1	22.0	21.9	21.1	21.0	20.9
	16QAM	1	0	22.3	22.7	22.6	22.5	22.1	22.1	22.1	22.2
		1	49	22.3	22.7	22.4	22.6	22.0	21.9	22.0	22.0
		1	99	22.3	22.7	22.3	22.4	22.0	21.9	22.0	22.0
		50	0	21.3	21.7	21.1	21.0	20.9	20.2	20.0	19.8
		50	24	21.3	21.7	21.0	21.1	20.8	20.1	20.1	19.8
		50	50	21.3	21.7	20.9	20.9	20.9	20.0	19.9	19.9
		100	0	21.3	21.7	21.1	21.0	20.9	20.1	20.0	19.9

Antenna 1 & 2 / RM-1118

SN: 004402740913003						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch18607 / 1850.7 MHz	Ch18900 / 1880 MHz	Ch19193 / 1909.3 MHz	Ch18607 / 1850.7 MHz	Ch18900 / 1880 MHz	Ch19193 / 1909.3 MHz
LTE2 1.4 MHz	QPSK	1	0	23.0	23.4	23.1	23.0	23.0			
		1	2	23.0	23.4	23.2	23.0	23.0			
		1	5	23.0	23.4	23.0	22.9	22.9			
		3	0	23.0	23.4	23.1	22.9	22.9			
		3	2	23.0	23.4	23.1	23.0	22.9			
		3	3	23.0	23.4	23.1	22.9	22.8			
		6	0	22.0	22.4	22.0	21.8	21.8			
	16QAM	1	0	22.3	22.7	22.1	22.1	22.5			
		1	2	22.3	22.7	22.1	22.1	22.5			
		1	5	22.3	22.7	22.1	22.1	22.6			
		3	0	22.3	22.7	21.9	21.9	22.0			
		3	2	22.3	22.7	22.0	21.9	22.0			
		3	3	22.3	22.7	21.9	22.0	21.9			
		6	0	21.3	21.7	20.9	20.9	20.9			

(LTE2 table continues)

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(LTE2 table continues)

SN: 004402740913003						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch18615 / 1851.5 MHz	Ch18900 / 1880 MHz	Ch19185 / 1908.5 MHz	Ch18615 / 1851.5 MHz	Ch18900 / 1880 MHz	Ch19185 / 1908.5 MHz
LTE2 3 MHz	QPSK	1	0	23.0	23.4	23.0	23.0	22.8	23.0	22.9	23.0
		1	7	23.0	23.4	23.1	23.0	22.9	23.1	23.0	23.0
		1	14	23.0	23.4	23.0	22.9	22.9	23.1	22.9	23.0
		8	0	22.0	22.4	21.9	21.9	21.8	21.0	20.9	20.8
		8	3	22.0	22.4	22.0	21.9	22.0	21.0	20.9	20.9
		8	7	22.0	22.4	21.9	21.9	21.9	21.0	20.9	20.9
		15	0	22.0	22.4	22.0	21.9	21.8	21.0	20.9	20.9
	16QAM	1	0	22.3	22.7	22.5	22.0	22.1	22.1	21.8	22.0
		1	7	22.3	22.7	22.5	22.1	22.1	22.2	21.9	22.1
		1	14	22.3	22.7	22.5	22.0	22.1	22.2	21.8	22.0
		8	0	21.3	21.7	21.0	20.9	20.7	20.1	20.0	19.8
		8	3	21.3	21.7	21.0	21.0	20.9	20.2	20.0	19.9
		8	7	21.3	21.7	21.0	20.9	20.8	20.1	20.0	19.9
		15	0	21.3	21.7	21.0	20.9	20.9	20.1	19.9	19.8

SN: 004402740913003						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch18625 / 1852.5 MHz	Ch18900 / 1880 MHz	Ch19175 / 1907.5 MHz	Ch18625 / 1852.5 MHz	Ch18900 / 1880 MHz	Ch19175 / 1907.5 MHz
LTE2 5 MHz	QPSK	1	0	23.0	23.4	23.1	23.0	22.9	23.1	23.0	22.9
		1	12	23.0	23.4	23.2	23.1	22.9	23.2	23.0	23.0
		1	24	23.0	23.4	23.1	22.9	22.9	23.1	23.0	23.0
		12	0	22.0	22.4	21.9	21.9	21.8	21.0	20.9	20.8
		12	6	22.0	22.4	22.0	21.9	21.9	21.1	20.9	20.9
		12	13	22.0	22.4	21.9	21.8	21.8	20.9	20.9	20.8
		25	0	22.0	22.4	22.0	21.9	21.9	21.0	20.9	20.8
	16QAM	1	0	22.3	22.7	22.5	22.5	22.1	22.3	22.4	22.4
		1	12	22.3	22.7	22.5	22.5	22.1	22.2	22.5	22.5
		1	24	22.3	22.7	22.4	22.4	22.1	22.1	22.4	22.5
		12	0	21.3	21.7	20.9	20.9	20.9	20.0	20.0	19.8
		12	6	21.3	21.7	21.0	20.9	20.9	20.1	20.0	19.8
		12	13	21.3	21.7	20.8	20.9	20.9	19.9	19.9	19.8
		25	0	21.3	21.7	21.0	20.9	20.8	19.9	19.9	19.9

SN: 004402740913003						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch18650 / 1855 MHz	Ch18900 / 1880 MHz	Ch19150 / 1905 MHz	Ch18650 / 1855 MHz	Ch18900 / 1880 MHz	Ch19150 / 1905 MHz
LTE2 10 MHz	QPSK	1	0	23.0	23.4	23.2	23.0	23.0	23.2	23.1	23.1
		1	24	23.0	23.4	23.2	23.1	23.2	23.2	23.1	23.2
		1	49	23.0	23.4	23.0	22.9	23.0	23.0	22.9	23.1
		25	0	22.0	22.4	22.0	21.9	22.0	21.0	20.9	21.0
		25	12	22.0	22.4	22.0	21.9	22.0	21.0	20.9	21.0
		25	25	22.0	22.4	21.9	21.8	21.9	20.9	20.9	20.9
		50	0	22.0	22.4	21.9	21.9	21.8	21.0	20.9	20.8
	16QAM	1	0	22.3	22.7	22.0	22.0	22.1	22.5	22.3	22.4
		1	24	22.3	22.7	21.9	22.0	22.2	22.3	22.3	22.4
		1	49	22.3	22.7	21.9	22.0	22.2	22.3	22.2	22.3
		25	0	21.3	21.7	21.0	21.0	20.9	20.1	19.9	19.9
		25	12	21.3	21.7	21.0	20.9	20.9	20.1	19.9	20.0
		25	25	21.3	21.7	20.9	20.9	20.8	19.9	19.9	19.8
		50	0	21.3	21.7	21.0	20.8	20.8	20.0	19.9	19.9

(LTE2 table continues)

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(LTE2 table continues)

SN: 004402740913003						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch18675 / 1857.5 MHz	Ch18900 / 1880 MHz	Ch19125 / 1902.5 MHz	Ch18675 / 1857.5 MHz	Ch18900 / 1880 MHz	Ch19125 / 1902.5 MHz
LTE2 15 MHz	QPSK	1	0	23.0	23.4	23.1	23.1	23.1	23.1	23.1	23.1
		1	36	23.0	23.4	22.9	23.0	22.9	23.0	23.0	22.9
		1	74	23.0	23.4	23.0	23.0	23.1	23.0	23.0	23.0
		36	0	22.0	22.4	22.0	22.0	21.9	21.0	21.0	20.9
		36	18	22.0	22.4	22.0	22.0	22.0	21.0	21.0	21.0
		36	38	22.0	22.4	21.9	21.9	22.0	20.9	21.0	21.0
		75	0	22.0	22.4	21.9	22.0	22.0	20.9	21.0	20.9
	16QAM	1	0	22.3	22.7	22.5	22.6	22.2	22.5	22.2	22.0
		1	36	22.3	22.7	22.4	22.5	22.2	22.5	22.2	21.9
		1	74	22.3	22.7	22.4	22.5	22.3	22.4	22.1	22.0
		36	0	21.3	21.7	20.9	21.0	20.9	20.0	20.0	19.9
		36	18	21.3	21.7	21.0	21.1	20.9	20.0	20.0	20.0
		36	38	21.3	21.7	20.9	21.0	20.9	20.0	20.0	20.0
		75	0	21.3	21.7	20.9	21.0	21.0	20.0	20.0	20.0

SN: 004402740913003						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch18700 / 1860 MHz	Ch18900 / 1880 MHz	Ch19100 / 1900 MHz	Ch18700 / 1860 MHz	Ch18900 / 1880 MHz	Ch19100 / 1900 MHz
LTE2 20 MHz	QPSK	1	0	23.0	23.4	23.1	23.1	23.2	23.2	23.1	23.2
		1	49	23.0	23.4	23.0	23.0	23.0	23.0	23.0	23.0
		1	99	23.0	23.4	22.9	23.0	23.0	22.9	22.9	23.0
		50	0	22.0	22.4	22.1	22.0	21.9	21.1	21.0	20.9
		50	24	22.0	22.4	22.0	22.0	22.0	21.0	21.0	21.0
		50	50	22.0	22.4	21.9	22.0	22.0	21.0	21.0	20.9
		100	0	22.0	22.4	22.0	22.0	22.0	21.0	21.0	21.0
	16QAM	1	0	22.3	22.7	22.3	22.5	22.7	22.2	22.3	22.6
		1	49	22.3	22.7	22.2	22.4	22.4	22.0	22.2	22.5
		1	99	22.3	22.7	22.1	22.3	22.5	21.9	22.1	22.5
		50	0	21.3	21.7	21.1	20.9	20.9	20.0	20.0	19.9
		50	24	21.3	21.7	21.0	21.0	20.9	19.9	20.0	20.0
		50	50	21.3	21.7	20.9	20.9	20.9	19.9	19.9	19.9
		100	0	21.3	21.7	21.1	21.0	21.0	20.1	20.0	19.9

3.3.6 LTE2500 (Band 7) Head and Body-worn 15 mm

Antenna 1 / RM-1104

SN: 004402742178274						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20775 / 2502.5 MHz	Ch21100 / 2535 MHz	Ch21425 / 2567.5 MHz	Ch20775 / 2502.5 MHz	Ch21100 / 2535 MHz	Ch21425 / 2567.5 MHz
LTE7 5 MHz	QPSK	1	0	24.0	24.4	23.9	23.9	24.0			
		1	12	24.0	24.4	23.7	23.9	23.9			
		1	24	24.0	24.4	23.9	23.9	24.0			
		12	0	23.0	23.4	22.8	22.8	22.9			
		12	6	23.0	23.4	22.8	22.9	23.0			
		12	13	23.0	23.4	22.8	22.8	23.0			
		25	0	23.0	23.4	22.8	22.9	23.0			
	16QAM	1	0	23.5	23.9	23.4	23.1	23.3			
		1	12	23.5	23.9	23.7	23.2	23.5			
		1	24	23.5	23.9	23.4	23.0	23.3			
		12	0	22.5	22.9	21.8	21.8	21.9			
		12	6	22.5	22.9	21.9	21.9	22.0			
		12	13	22.5	22.9	21.8	21.8	21.9			
		25	0	22.5	22.9	21.9	21.9	22.0			

(LTE7 Head and Body-worn table continues)

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(LTE7 Head and Body-worn table continues)

SN: 004402742178274						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20800 / 2505 MHz	Ch21100 / 2535 MHz	Ch21400 / 2565 MHz	Ch20800 / 2505 MHz	Ch21100 / 2535 MHz	Ch21400 / 2565 MHz
LTE7 10 MHz	QPSK	1	0	24.0	24.4	24.0	23.9	24.0			
		1	24	24.0	24.4	23.9	24.1	24.1			
		1	49	24.0	24.4	23.9	23.9	24.0			
		25	0	23.0	23.4	22.7	22.9	22.9			
		25	12	23.0	23.4	22.8	22.9	23.0			
		25	25	23.0	23.4	22.8	22.8	23.0			
		50	0	23.0	23.4	22.9	22.8	23.0			
	16QAM	1	0	23.5	23.9	23.3	23.4	23.2			
		1	24	23.5	23.9	23.2	23.4	23.3			
		1	49	23.5	23.9	23.1	23.4	23.1			
		25	0	22.5	22.9	21.7	21.8	21.9			
		25	12	22.5	22.9	21.7	21.8	22.0			
		25	25	22.5	22.9	21.7	21.7	22.0			
		50	0	22.5	22.9	21.8	21.8	22.0			

SN: 004402742178274						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20825 / 2507.5 MHz	Ch21100 / 2535 MHz	Ch21375 / 2562.5 MHz	Ch20825 / 2507.5 MHz	Ch21100 / 2535 MHz	Ch21375 / 2562.5 MHz
LTE7 15 MHz	QPSK	1	0	24.0	24.4	23.8	23.9	24.1			
		1	36	24.0	24.4	23.8	23.9	24.1			
		1	74	24.0	24.4	23.8	23.8	24.0			
		36	0	23.0	23.4	22.9	22.8	23.0			
		36	18	23.0	23.4	22.9	22.9	23.0			
		36	38	23.0	23.4	22.9	22.9	23.0			
		75	0	23.0	23.4	22.8	22.8	23.0			
	16QAM	1	0	23.5	23.9	22.8	23.0	23.3			
		1	36	23.5	23.9	23.0	22.9	23.3			
		1	74	23.5	23.9	22.8	22.9	23.2			
		36	0	22.5	22.9	21.9	21.8	22.0			
		36	18	22.5	22.9	21.9	21.9	22.0			
		36	38	22.5	22.9	21.8	21.9	22.0			
		75	0	22.5	22.9	21.9	21.8	21.9			

SN: 004402742178274						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20850 / 2510 MHz	Ch21100 / 2535 MHz	Ch21350 / 2560 MHz	Ch20850 / 2510 MHz	Ch21100 / 2535 MHz	Ch21350 / 2560 MHz
LTE7 20 MHz	QPSK	1	0	24.0	24.4	23.7	23.9	23.9			
		1	49	24.0	24.4	23.7	23.9	23.9			
		1	99	24.0	24.4	23.6	23.8	23.9			
		50	0	23.0	23.4	22.8	22.9	23.0			
		50	24	23.0	23.4	22.8	23.0	23.0			
		50	50	23.0	23.4	22.8	22.9	23.0			
		100	0	23.0	23.4	22.8	22.9	23.0			
	16QAM	1	0	23.5	23.9	23.2	23.5	23.2			
		1	49	23.5	23.9	23.1	23.5	23.3			
		1	99	23.5	23.9	23.1	23.5	23.1			
		50	0	22.5	22.9	21.6	21.9	22.0			
		50	24	22.5	22.9	21.6	21.9	21.9			
		50	50	22.5	22.9	21.7	21.8	21.9			
		100	0	22.5	22.9	21.7	21.9	21.9			

Maximum power value in columns E-G was found in the cell indicated with this color:	
The RF output power value measured in that confuguration, with downlink CA active, was [dBm]:	24.1

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Antenna 1 / RM-1118

SN: 004402740913169						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20775 / 2502.5 MHz	Ch21100 / 2535 MHz	Ch21425 / 2567.5 MHz	Ch20775 / 2502.5 MHz	Ch21100 / 2535 MHz	Ch21425 / 2567.5 MHz
LTE7 5 MHz	QPSK	1	0	24.0	24.4	24.0	23.8	23.8			
		1	12	24.0	24.4	24.1	23.9	24.0			
		1	24	24.0	24.4	24.0	23.8	23.9			
		12	0	23.0	23.4	23.1	22.8	22.9			
		12	6	23.0	23.4	23.1	22.8	22.9			
		12	13	23.0	23.4	23.0	22.7	22.9			
		25	0	23.0	23.4	23.1	22.8	22.9			
	16QAM	1	0	23.5	23.9	23.6	23.2	23.1			
		1	12	23.5	23.9	23.7	23.4	23.2			
		1	24	23.5	23.9	23.5	23.3	23.1			
		12	0	22.5	22.9	22.1	21.8	22.0			
		12	6	22.5	22.9	22.1	21.7	22.0			
		12	13	22.5	22.9	22.1	21.7	21.9			
		25	0	22.5	22.9	22.1	21.8	22.0			

SN: 004402740913169						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20800 / 2505 MHz	Ch21100 / 2535 MHz	Ch21400 / 2565 MHz	Ch20800 / 2505 MHz	Ch21100 / 2535 MHz	Ch21400 / 2565 MHz
LTE7 10 MHz	QPSK	1	0	24.0	24.4	24.2	24.0	24.0			
		1	24	24.0	24.4	24.1	24.0	24.0			
		1	49	24.0	24.4	23.9	24.0	24.0			
		25	0	23.0	23.4	23.0	22.8	23.0			
		25	12	23.0	23.4	23.0	22.8	23.0			
		25	25	23.0	23.4	23.0	22.7	22.9			
		50	0	23.0	23.4	23.0	22.8	22.9			
	16QAM	1	0	23.5	23.9	23.5	23.3	23.5			
		1	24	23.5	23.9	23.2	23.2	23.6			
		1	49	23.5	23.9	23.3	23.3	23.5			
		25	0	22.5	22.9	22.1	21.7	21.9			
		25	12	22.5	22.9	22.0	21.8	21.9			
		25	25	22.5	22.9	22.0	21.7	21.9			
		50	0	22.5	22.9	22.0	21.7	21.9			

SN: 004402740913169						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20825 / 2507.5 MHz	Ch21100 / 2535 MHz	Ch21375 / 2562.5 MHz	Ch20825 / 2507.5 MHz	Ch21100 / 2535 MHz	Ch21375 / 2562.5 MHz
LTE7 15 MHz	QPSK	1	0	24.0	24.4	24.0	23.9	24.0			
		1	36	24.0	24.4	23.9	23.8	24.0			
		1	74	24.0	24.4	23.8	23.8	24.1			
		36	0	23.0	23.4	23.0	22.8	22.9			
		36	18	23.0	23.4	23.0	22.9	22.9			
		36	38	23.0	23.4	22.9	22.8	23.1			
		75	0	23.0	23.4	22.9	22.8	23.0			
	16QAM	1	0	23.5	23.9	23.2	22.9	23.1			
		1	36	23.5	23.9	23.1	22.8	23.1			
		1	74	23.5	23.9	22.9	22.8	23.1			
		36	0	22.5	22.9	22.0	21.8	22.0			
		36	18	22.5	22.9	22.0	21.9	21.9			
		36	38	22.5	22.9	21.9	21.8	22.1			
		75	0	22.5	22.9	22.0	21.8	22.0			

(LTE7 Head and Body-worn table continues)

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(LTE7 Head and Body-worn table continues)

SN: 004402740913169						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20850 / 2510 MHz	Ch21100 / 2535 MHz	Ch21350 / 2560 MHz	Ch20850 / 2510 MHz	Ch21100 / 2535 MHz	Ch21350 / 2560 MHz
LTE7 20 MHz	QPSK	1	0	24.0	24.4	24.1	24.0	24.0			
		1	49	24.0	24.4	23.7	23.8	23.9			
		1	99	24.0	24.4	23.9	23.8	24.0			
		50	0	23.0	23.4	23.1	22.9	22.9			
		50	24	23.0	23.4	23.0	22.9	22.9			
		50	50	23.0	23.4	22.8	22.8	23.0			
		100	0	23.0	23.4	22.9	22.9	22.9			
	16QAM	1	0	23.5	23.9	23.5	23.5	23.5			
		1	49	23.5	23.9	22.9	23.3	23.3			
		1	99	23.5	23.9	23.3	23.3	23.4			
		50	0	22.5	22.9	22.0	21.9	21.9			
		50	24	22.5	22.9	22.0	21.9	21.9			
		50	50	22.5	22.9	21.8	21.8	22.0			
		100	0	22.5	22.9	21.8	21.9	21.9			

Maximum power value in columns E-G was found in the cell indicated with this color:	
The RF output power value measured in that confuguration, with downlink CA active, was [dBm]:	24.2

3.3.7 LTE2500 (Band 7) Wireless Router 10 mm

Antenna 1 / RM-1104

SN: 004402742178357						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20775 / 2502.5 MHz	Ch21100 / 2535 MHz	Ch21425 / 2567.5 MHz	Ch20775 / 2502.5 MHz	Ch21100 / 2535 MHz	Ch21425 / 2567.5 MHz
LTE7 5 MHz	QPSK	1	0	22.1	22.5	22.1	22.1	22.2			
		1	12	22.1	22.5	21.9	22.1	22.3			
		1	24	22.1	22.5	22.0	22.1	22.1			
		12	0	21.1	21.5	21.1	21.0	21.2			
		12	6	21.1	21.5	21.2	21.2	21.3			
		12	13	21.1	21.5	21.1	21.1	21.2			
		25	0	21.1	21.5	21.1	21.2	21.3			
	16QAM	1	0	21.5	21.9	21.3	21.2	21.4			
		1	12	21.5	21.9	21.5	21.3	21.4			
		1	24	21.5	21.9	21.2	21.2	21.3			
		12	0	20.5	20.9	20.1	20.2	20.4			
		12	6	20.5	20.9	20.2	20.2	20.3			
		12	13	20.5	20.9	20.1	20.1	20.2			
		25	0	20.5	20.9	20.2	20.2	20.3			

(LTE7 Wireless router table continues)

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(LTE7 Wireless router table continues)

SN: 004402742178357						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20800 / 2505 MHz	Ch21100 / 2535 MHz	Ch21400 / 2565 MHz	Ch20800 / 2505 MHz	Ch21100 / 2535 MHz	Ch21400 / 2565 MHz
LTE7 10 MHz	QPSK	1	0	22.1	22.5	22.1	22.2	22.3			
		1	24	22.1	22.5	22.2	22.3	22.3			
		1	49	22.1	22.5	22.0	22.1	22.2			
		25	0	21.1	21.5	21.0	21.2	21.2			
		25	12	21.1	21.5	21.0	21.2	21.3			
		25	25	21.1	21.5	21.1	21.1	21.2			
		50	0	21.1	21.5	21.1	21.1	21.2			
	16QAM	1	0	21.5	21.9	21.3	21.7	21.9			
		1	24	21.5	21.9	21.3	21.6	21.9			
		1	49	21.5	21.9	21.2	21.6	21.8			
		25	0	20.5	20.9	20.0	20.1	20.3			
		25	12	20.5	20.9	20.0	20.1	20.3			
		25	25	20.5	20.9	20.0	20.1	20.3			
		50	0	20.5	20.9	20.0	20.1	20.2			

SN: 004402742178357						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20825 / 2507.5 MHz	Ch21100 / 2535 MHz	Ch21375 / 2562.5 MHz	Ch20825 / 2507.5 MHz	Ch21100 / 2535 MHz	Ch21375 / 2562.5 MHz
LTE7 15 MHz	QPSK	1	0	22.1	22.5	22.1	22.1	22.3			
		1	36	22.1	22.5	22.0	22.1	22.5			
		1	74	22.1	22.5	22.3	22.2	22.4			
		36	0	21.1	21.5	21.1	21.1	21.4			
		36	18	21.1	21.5	21.1	21.2	21.3			
		36	38	21.1	21.5	21.1	21.1	21.4			
		75	0	21.1	21.5	21.1	21.1	21.3			
	16QAM	1	0	21.5	21.9	21.5	21.4	21.7			
		1	36	21.5	21.9	21.5	21.4	21.5			
		1	74	21.5	21.9	21.5	21.3	21.6			
		36	0	20.5	20.9	20.1	20.1	20.3			
		36	18	20.5	20.9	20.2	20.2	20.3			
		36	38	20.5	20.9	20.1	20.1	20.4			
		75	0	20.5	20.9	20.1	20.1	20.3			

SN: 004402742178357						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20850 / 2510 MHz	Ch21100 / 2535 MHz	Ch21350 / 2560 MHz	Ch20850 / 2510 MHz	Ch21100 / 2535 MHz	Ch21350 / 2560 MHz
LTE7 20 MHz	QPSK	1	0	22.1	22.5	22.2	22.2	22.2			
		1	49	22.1	22.5	22.3	22.2	22.2			
		1	99	22.1	22.5	22.2	22.1	22.2			
		50	0	21.1	21.5	21.2	21.2	21.2			
		50	24	21.1	21.5	21.1	21.2	21.2			
		50	50	21.1	21.5	21.2	21.1	21.2			
		100	0	21.1	21.5	21.2	21.2	21.2			
	16QAM	1	0	21.5	21.9	21.5	21.7	21.4			
		1	49	21.5	21.9	21.6	21.8	21.5			
		1	99	21.5	21.9	21.6	21.6	21.4			
		50	0	20.5	20.9	20.1	20.2	20.2			
		50	24	20.5	20.9	20.0	20.2	20.2			
		50	50	20.5	20.9	20.2	20.1	20.2			
		100	0	20.5	20.9	20.2	20.2	20.2			

Maximum power value in columns E-G was found in the cell indicated with this color:	
The RF output power value measured in that confuguration, with downlink CA active, was [dBm]:	22.5

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Antenna 1 / RM-1118

SN: 004402740913029						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20775 / 2502.5 MHz	Ch21100 / 2535 MHz	Ch21425 / 2567.5 MHz	Ch20775 / 2502.5 MHz	Ch21100 / 2535 MHz	Ch21425 / 2567.5 MHz
LTE7 5 MHz	QPSK	1	0	22.1	22.5	22.2	22.0	22.0			
		1	12	22.1	22.5	22.4	22.0	22.1			
		1	24	22.1	22.5	22.2	22.0	22.1			
		12	0	21.1	21.5	21.2	21.0	21.0			
		12	6	21.1	21.5	21.2	20.9	21.0			
		12	13	21.1	21.5	21.2	20.9	20.9			
		25	0	21.1	21.5	21.2	20.9	21.0			
	16QAM	1	0	21.5	21.9	21.4	21.2	21.5			
		1	12	21.5	21.9	21.4	21.2	21.6			
		1	24	21.5	21.9	21.3	21.4	21.5			
		12	0	20.5	20.9	20.2	20.0	20.1			
		12	6	20.5	20.9	20.2	20.0	20.1			
		12	13	20.5	20.9	20.2	19.9	20.1			
		25	0	20.5	20.9	20.2	19.9	20.0			

SN: 004402740913029						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20800 / 2505 MHz	Ch21100 / 2535 MHz	Ch21400 / 2565 MHz	Ch20800 / 2505 MHz	Ch21100 / 2535 MHz	Ch21400 / 2565 MHz
LTE7 10 MHz	QPSK	1	0	22.1	22.5	22.2	22.0	22.1			
		1	24	22.1	22.5	22.3	22.1	22.2			
		1	49	22.1	22.5	22.0	22.0	22.1			
		25	0	21.1	21.5	21.2	20.9	21.0			
		25	12	21.1	21.5	21.2	20.9	21.0			
		25	25	21.1	21.5	21.2	20.8	21.0			
		50	0	21.1	21.5	21.2	20.9	21.0			
	16QAM	1	0	21.5	21.9	21.6	21.3	21.5			
		1	24	21.5	21.9	21.6	21.3	21.4			
		1	49	21.5	21.9	21.3	21.2	21.3			
		25	0	20.5	20.9	20.3	20.0	20.0			
		25	12	20.5	20.9	20.3	20.0	20.0			
		25	25	20.5	20.9	20.3	19.9	20.0			
		50	0	20.5	20.9	20.2	19.9	20.0			

SN: 004402740913029						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20825 / 2507.5 MHz	Ch21100 / 2535 MHz	Ch21375 / 2562.5 MHz	Ch20825 / 2507.5 MHz	Ch21100 / 2535 MHz	Ch21375 / 2562.5 MHz
LTE7 15 MHz	QPSK	1	0	22.1	22.5	22.3	22.1	22.1			
		1	36	22.1	22.5	22.3	21.8	22.0			
		1	74	22.1	22.5	22.0	21.9	22.0			
		36	0	21.1	21.5	21.2	21.0	21.1			
		36	18	21.1	21.5	21.2	20.9	21.1			
		36	38	21.1	21.5	21.1	20.9	21.1			
		75	0	21.1	21.5	21.1	20.8	21.0			
	16QAM	1	0	21.5	21.9	21.8	21.3	21.2			
		1	36	21.5	21.9	21.7	21.4	21.2			
		1	74	21.5	21.9	21.5	21.0	21.0			
		36	0	20.5	20.9	20.2	19.9	20.0			
		36	18	20.5	20.9	20.2	19.9	20.0			
		36	38	20.5	20.9	20.1	19.9	20.1			
		75	0	20.5	20.9	20.2	19.9	20.0			

(LTE7 Wireless router table continues)

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(LTE7 Wireless router table continues)

SN: 004402740913029						Nominal			A-MPR active		
Band / BW	Modulation	RB Allocation	RB Offset	Tuning target (dBm)	Upper limit (dBm)	Ch20850 / 2510 MHz	Ch21100 / 2535 MHz	Ch21350 / 2560 MHz	Ch20850 / 2510 MHz	Ch21100 / 2535 MHz	Ch21350 / 2560 MHz
LTE7 20 MHz	QPSK	1	0	22.1	22.5	22.3	22.2	22.1			
		1	49	22.1	22.5	21.9	22.0	21.9			
		1	99	22.1	22.5	21.9	22.0	21.9			
		50	0	21.1	21.5	21.3	20.9	21.0			
		50	24	21.1	21.5	21.2	20.9	20.9			
		50	50	21.1	21.5	21.1	20.9	20.9			
		100	0	21.1	21.5	21.1	20.9	20.9			
	16QAM	1	0	21.5	21.9	21.5	21.2	21.4			
		1	49	21.5	21.9	21.1	21.1	21.1			
		1	99	21.5	21.9	21.1	21.2	21.4			
		50	0	20.5	20.9	20.3	20.0	20.0			
		50	24	20.5	20.9	20.2	19.9	19.9			
		50	50	20.5	20.9	20.0	19.8	19.9			
		100	0	20.5	20.9	20.1	20.0	19.8			

3.4 BT

BT	Tuning target (dBm)	Upper limit (dBm)
	10.0	11.5

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3.5 WLAN2450

Note: Channels 12 and 13 are not operational in US and Canada, those results should be omitted for this filing.

3.5.1 WLAN2450 Head

Averaged tuning targets for Head / Antenna 1 & 2 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11b			DSSS	QPSK	2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11b			DSSS	QPSK	5.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11b			DSSS	QPSK	11	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11g			OFDM	BPSK	6	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	BPSK	9	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	QPSK	12	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	QPSK	18	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	16QAM	24	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	16QAM	36	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	64QAM	48	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	64QAM	54	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	12.5	12.5	12.5	12.5	12.5	11.5	12.5	12.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	12.5	12.5	12.5	12.5	12.5	11.5	12.5	12.5

(WLAN2450 Head averaged tuning target table continues)

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(WLAN2450 Head averaged tuning target table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5

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Averaged tuning targets for Head / Antenna 1 & 2 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
802.11b			DSSS	QPSK	2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
802.11b			DSSS	QPSK	5.5	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
802.11b			DSSS	QPSK	11	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
802.11g			OFDM	BPSK	6	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11g			OFDM	BPSK	9	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11g			OFDM	QPSK	12	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11g			OFDM	QPSK	18	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11g			OFDM	16QAM	24	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11g			OFDM	16QAM	36	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11g			OFDM	64QAM	48	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11g			OFDM	64QAM	54	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	12.1	12.1	12.1	12.1	12.1	11.1	12.1	12.1
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	12.1	12.1	12.1	12.1	12.1	11.1	12.1	12.1

(WLAN2450 Head averaged tuning target table continues)

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(WLAN2450 Head averaged tuning target table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1

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Averaged upper limits for Head / Antenna 1 & 2 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Upper limit of tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11b			DSSS	QPSK	2	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11b			DSSS	QPSK	5.5	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11b			DSSS	QPSK	11	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11g			OFDM	BPSK	6	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11g			OFDM	BPSK	9	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11g			OFDM	QPSK	12	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11g			OFDM	QPSK	18	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11g			OFDM	16QAM	24	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11g			OFDM	16QAM	36	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11g			OFDM	64QAM	48	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11g			OFDM	64QAM	54	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	14.0	14.0	14.0	14.0	14.0	13.0	14.0	14.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	15.0	15.0	15.0	15.0	15.0	13.0	15.0	15.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	14.0	14.0	14.0	14.0	14.0	13.0	14.0	14.0

(WLAN2450 Head averaged upper limit table continues)

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(WLAN2450 Head averaged upper limit table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Upper limit of tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

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Averaged upper limits for Head / Antenna 1 & 2 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Upper limit of tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
802.11b			DSSS	QPSK	2	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
802.11b			DSSS	QPSK	5.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
802.11b			DSSS	QPSK	11	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
802.11g			OFDM	BPSK	6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11g			OFDM	BPSK	9	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11g			OFDM	QPSK	12	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11g			OFDM	QPSK	18	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11g			OFDM	16QAM	24	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11g			OFDM	16QAM	36	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11g			OFDM	64QAM	48	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11g			OFDM	64QAM	54	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.6	13.6	13.6	13.6	13.6	12.6	13.6	13.6
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.6	13.6	13.6	13.6	13.6	12.6	13.6	13.6

(WLAN2450 Head averaged upper limit table continues)

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(WLAN2450 Head averaged upper limit table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Upper limit of tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6

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Averaged measured conducted output powers for Head / Antenna 1 & 2 / RM-1104

SN: 004402742179033						Measured value (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	13.9	14.0	13.9	13.9	14.0	13.9	14.1	14.0
802.11b			DSSS	QPSK	2	14.0	14.0	13.9	14.0	14.0	14.0	14.1	14.1
802.11b			DSSS	QPSK	5.5	14.0	14.0	13.9	14.0	14.0	14.0	14.1	14.1
802.11b			DSSS	QPSK	11	14.0	14.0	13.9	13.9	14.0	14.0	14.1	14.1
802.11g			OFDM	BPSK	6	13.8	13.8	13.6	13.7	13.8	11.8	13.9	13.9
802.11g			OFDM	BPSK	9	13.8	13.8	13.5	13.6	13.8	11.8	13.8	13.8
802.11g			OFDM	QPSK	12	13.7	13.7	13.6	13.6	13.8	11.8	13.8	13.8
802.11g			OFDM	QPSK	18	13.9	13.9	13.7	13.7	13.9	11.9	14.0	14.0
802.11g			OFDM	16QAM	24	14.1	14.2	14.0	14.0	14.2	12.2	14.2	14.2
802.11g			OFDM	16QAM	36	14.1	14.2	13.9	14.0	14.2	12.1	14.1	14.2
802.11g			OFDM	64QAM	48	14.1	14.2	14.0	14.0	14.2	12.2	14.2	14.2
802.11g			OFDM	64QAM	54	14.1	14.2	13.9	14.0	14.2	12.1	14.1	14.2
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.7	13.7	13.5	13.6	13.7	11.7	13.8	13.8
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.6	13.6	13.4	13.5	13.6	11.6	13.7	13.7
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.7	13.7	13.6	13.6	13.7	11.7	13.8	13.8
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.2	14.2	14.0	14.1	14.2	12.2	14.2	14.2
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.2	14.2	14.0	14.0	14.2	12.2	14.2	14.2
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.2	14.2	14.0	14.1	14.2	12.2	14.2	14.2
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.2	14.2	14.0	14.0	14.1	12.2	14.2	14.2
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.2	14.2	14.0	14.0	14.2	12.2	14.2	14.2
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.7	13.7	13.5	13.6	13.7	11.7	13.8	13.8
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.6	13.6	13.4	13.5	13.6	11.6	13.7	13.7
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.7	13.7	13.6	13.6	13.7	11.7	13.8	13.8
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.2	14.2	14.0	14.1	14.2	12.2	14.2	14.2
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.2	14.2	14.0	14.0	14.2	12.2	14.2	14.2
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.2	14.2	14.0	14.1	14.2	12.2	14.2	14.2
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.2	14.2	14.0	14.0	14.1	12.2	14.2	14.2
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.2	14.2	14.0	14.0	14.2	12.2	14.2	14.2
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.7	13.7	13.6	13.6	13.7	11.7	13.8	13.8
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.7	13.6	13.5	13.5	13.7	11.7	13.7	13.7
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.7	13.7	13.5	13.6	13.7	11.7	13.8	13.8
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.2	14.2	14.0	14.0	14.2	12.2	14.2	14.2
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.2	14.2	14.0	14.1	14.2	12.2	14.2	14.3
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.2	14.2	14.0	14.0	14.2	12.2	14.2	14.2
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.2	14.2	14.0	14.0	14.2	12.2	14.2	14.2
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.2	14.1	13.9	14.0	14.1	12.1	14.2	14.2
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.1	13.2	13.0	13.1	13.2	12.1	13.2	13.3
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.7	13.7	13.6	13.6	13.7	11.7	13.8	13.8
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.7	13.6	13.5	13.5	13.7	11.7	13.7	13.7
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.7	13.7	13.5	13.6	13.7	11.7	13.8	13.8
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.2	14.2	14.0	14.0	14.2	12.2	14.2	14.2
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.2	14.2	14.0	14.1	14.2	12.2	14.2	14.3
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.2	14.2	14.0	14.0	14.2	12.2	14.2	14.2
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.2	14.2	14.0	14.0	14.2	12.2	14.2	14.2
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.2	14.1	13.9	14.0	14.1	12.1	14.2	14.2
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.1	13.2	13.0	13.1	13.2	12.1	13.2	13.3

(WLAN2450 Head averaged measured values table continues)

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(WLAN2450 Head averaged measured values table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
SN: 004402742179033						Measured value (dBm)								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.4	13.5	13.3	13.2	13.2	13.2	13.5	13.6	11.8
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.5	13.6	13.4	13.2	13.2	13.3	13.5	13.6	11.9
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.5	13.5	13.3	13.2	13.2	13.2	13.5	13.6	11.9
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.7	13.7	13.5	13.4	13.4	13.4	13.6	13.8	12.1
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.7	13.7	13.5	13.4	13.4	13.4	13.7	13.9	12.1
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.7	13.7	13.5	13.4	13.4	13.4	13.7	13.8	12.1
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.7	13.7	13.5	13.4	13.4	13.4	13.7	13.9	12.1
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.7	13.7	13.5	13.4	13.4	13.4	13.7	13.8	12.1
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.4	13.5	13.3	13.2	13.2	13.2	13.5	13.6	11.8
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.5	13.6	13.4	13.2	13.2	13.3	13.5	13.6	11.9
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.5	13.5	13.3	13.2	13.2	13.2	13.5	13.6	11.9
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.7	13.7	13.5	13.4	13.4	13.4	13.6	13.8	12.1
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.7	13.7	13.5	13.4	13.4	13.4	13.7	13.9	12.1
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.7	13.7	13.5	13.4	13.4	13.4	13.7	13.8	12.1
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.7	13.7	13.5	13.4	13.4	13.4	13.7	13.9	12.1
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.7	13.7	13.5	13.4	13.4	13.4	13.7	13.8	12.1
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.4	13.5	13.3	13.1	13.1	13.1	13.4	13.6	11.8
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	13.4	13.4	13.2	13.1	13.1	13.1	13.3	13.5	11.7
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	13.4	13.4	13.4	13.1	13.1	13.1	13.4	13.5	11.8
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.6	13.7	13.5	13.5	13.4	13.4	13.7	13.9	12.1
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.7	13.8	13.5	13.4	13.4	13.4	13.7	13.9	12.1
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.7	13.7	13.5	13.4	13.4	13.4	13.6	13.8	12.1
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.7	13.7	13.5	13.4	13.4	13.4	13.6	13.8	12.1
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.7	13.7	13.5	13.4	13.3	13.3	13.6	13.8	12.1
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.7	11.8	11.5	11.4	11.5	11.5	11.7	11.9	12.1
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.7	10.8	10.4	10.4	10.4	10.4	10.7	10.9	11.1
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.4	13.5	13.3	13.1	13.1	13.1	13.4	13.6	11.8
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	13.4	13.4	13.2	13.1	13.1	13.1	13.3	13.5	11.7
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	13.4	13.4	13.4	13.1	13.1	13.1	13.4	13.5	11.8
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.6	13.7	13.5	13.5	13.4	13.4	13.7	13.9	12.1
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.7	13.8	13.5	13.4	13.4	13.4	13.7	13.9	12.1
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.7	13.7	13.5	13.4	13.4	13.4	13.6	13.8	12.1
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.7	13.7	13.5	13.4	13.4	13.4	13.6	13.8	12.1
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.7	13.7	13.5	13.4	13.3	13.3	13.6	13.8	12.1
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.7	11.8	11.5	11.4	11.5	11.5	11.7	11.9	12.1
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.7	10.8	10.4	10.4	10.4	10.4	10.7	10.9	11.1

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Averaged measured conducted output powers for Head / Antenna 1 & 2 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
SN: 004402740913300						Measured value (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	13.4	13.4	13.3	13.3	13.3	13.3	13.4	13.5
802.11b			DSSS	QPSK	2	13.4	13.4	13.4	13.3	13.3	13.4	13.4	13.5
802.11b			DSSS	QPSK	5.5	13.4	13.4	13.3	13.3	13.3	13.4	13.5	13.5
802.11b			DSSS	QPSK	11	13.4	13.4	13.3	13.2	13.3	13.4	13.5	13.5
802.11g			OFDM	BPSK	6	13.1	13.2	13.0	12.9	13.1	11.3	13.2	13.3
802.11g			OFDM	BPSK	9	13.1	13.1	13.0	12.9	13.0	11.2	13.2	13.3
802.11g			OFDM	QPSK	12	13.1	13.1	13.0	12.9	13.0	11.2	13.2	13.3
802.11g			OFDM	QPSK	18	13.2	13.3	13.1	13.0	13.1	11.3	13.4	13.4
802.11g			OFDM	16QAM	24	13.5	13.6	13.3	13.3	13.5	11.6	13.6	13.6
802.11g			OFDM	16QAM	36	13.5	13.5	13.3	13.2	13.5	11.6	13.6	13.7
802.11g			OFDM	64QAM	48	13.5	13.5	13.3	13.3	13.4	11.6	13.6	13.7
802.11g			OFDM	64QAM	54	13.4	13.5	13.3	13.3	13.5	11.6	13.6	13.6
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.0	13.1	12.9	12.8	12.9	11.1	13.1	13.2
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.0	13.0	12.8	12.8	12.9	11.1	13.1	13.1
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.1	13.1	13.0	13.0	13.0	11.2	13.2	13.2
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	13.6	13.6	13.4	13.3	13.4	11.6	13.6	13.7
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	13.5	13.6	13.3	13.3	13.5	11.6	13.6	13.7
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.6	13.6	13.4	13.3	13.5	11.6	13.6	13.7
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.6	13.6	13.4	13.3	13.5	11.6	13.6	13.7
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.6	13.6	13.3	13.3	13.5	11.6	13.6	13.6
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.0	13.1	12.9	12.8	12.9	11.1	13.1	13.2
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.0	13.0	12.8	12.8	12.9	11.1	13.1	13.1
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.1	13.1	13.0	13.0	13.0	11.2	13.2	13.2
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	13.6	13.6	13.4	13.3	13.4	11.6	13.6	13.7
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	13.5	13.6	13.3	13.3	13.5	11.6	13.6	13.7
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.6	13.6	13.4	13.3	13.5	11.6	13.6	13.7
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.6	13.6	13.4	13.3	13.5	11.6	13.6	13.7
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.6	13.6	13.3	13.3	13.5	11.6	13.6	13.6
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.1	13.1	12.9	12.8	13.0	11.2	13.1	13.2
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.0	13.0	12.9	12.8	12.9	11.1	13.1	13.2
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.1	13.1	12.9	12.9	13.0	11.2	13.2	13.3
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	13.6	13.6	13.4	13.3	13.5	11.6	13.6	13.7
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	13.6	13.6	13.4	13.3	13.4	11.6	13.6	13.7
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.6	13.5	13.3	13.3	13.4	11.6	13.6	13.7
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.6	13.6	13.3	13.3	13.4	11.6	13.6	13.7
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.5	13.5	13.3	13.2	13.4	11.6	13.6	13.7
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	12.5	12.6	12.4	12.4	12.5	11.7	12.6	12.8
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.1	13.1	12.9	12.8	13.0	11.2	13.1	13.2
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.0	13.0	12.9	12.8	12.9	11.1	13.1	13.2
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.1	13.1	12.9	12.9	13.0	11.2	13.2	13.3
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	13.6	13.6	13.4	13.3	13.5	11.6	13.6	13.7
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	13.6	13.6	13.4	13.3	13.4	11.6	13.6	13.7
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.6	13.5	13.3	13.3	13.4	11.6	13.6	13.7
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.6	13.6	13.3	13.3	13.4	11.6	13.6	13.7
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.5	13.5	13.3	13.2	13.4	11.6	13.6	13.7
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	12.5	12.6	12.4	12.4	12.5	11.7	12.6	12.8

(WLAN2450 Head averaged measured values table continues)

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(WLAN2450 Head averaged measured values table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
SN: 004402740913300						Measured value (dBm)								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	12.9	12.9	12.7	12.7	12.7	12.7	11.2	13.0	13.2
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	12.9	13.0	12.8	12.8	12.7	12.7	11.3	13.0	13.2
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	12.8	12.9	12.7	12.7	12.7	12.7	11.2	13.0	13.2
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.1	13.1	12.8	12.8	12.8	12.7	11.5	13.2	13.4
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.1	13.1	12.8	12.8	12.8	12.8	11.5	13.2	13.4
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.1	13.1	12.8	12.8	12.7	12.8	11.5	13.2	13.4
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.1	13.1	12.8	12.8	12.8	12.7	11.5	13.3	13.4
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.0	13.1	12.8	12.8	12.7	12.8	11.5	13.2	13.4
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	12.9	12.9	12.7	12.7	12.7	12.7	11.2	13.0	13.2
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	12.9	13.0	12.8	12.8	12.7	12.7	11.3	13.0	13.2
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	12.8	12.9	12.7	12.7	12.7	12.7	11.2	13.0	13.2
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.1	13.1	12.8	12.8	12.8	12.7	11.5	13.2	13.4
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.1	13.1	12.8	12.8	12.8	12.8	11.5	13.2	13.4
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.1	13.1	12.8	12.8	12.7	12.8	11.5	13.2	13.4
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.1	13.1	12.8	12.8	12.8	12.7	11.5	13.3	13.4
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.0	13.1	12.8	12.8	12.7	12.8	11.5	13.2	13.4
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	12.8	12.9	12.7	12.7	12.7	12.7	11.2	12.9	13.2
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	12.7	12.8	12.7	12.7	12.7	12.7	11.1	12.9	13.1
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	12.8	12.8	12.8	12.7	12.7	12.7	11.1	12.9	13.1
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.0	13.0	12.8	12.8	12.8	12.8	11.5	13.2	13.4
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.1	13.1	12.8	12.8	12.8	12.8	11.5	13.2	13.4
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.0	13.0	12.8	12.8	12.7	12.7	11.5	13.2	13.4
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.1	13.1	12.8	12.8	12.7	12.8	11.5	13.2	13.4
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.0	13.1	12.8	12.8	12.8	12.7	11.5	13.2	13.4
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.1	11.1	11.0	10.9	10.9	10.8	11.5	11.3	11.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.0	10.1	9.9	9.6	9.8	9.8	10.5	10.3	10.6
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	12.8	12.9	12.7	12.7	12.7	12.7	11.2	12.9	13.2
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	12.7	12.8	12.7	12.7	12.7	12.7	11.1	12.9	13.1
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	12.8	12.8	12.8	12.7	12.7	12.7	11.1	12.9	13.1
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.0	13.0	12.8	12.8	12.8	12.8	11.5	13.2	13.4
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.1	13.1	12.8	12.8	12.8	12.8	11.5	13.2	13.4
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.0	13.0	12.8	12.8	12.7	12.7	11.5	13.2	13.4
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.1	13.1	12.8	12.8	12.7	12.8	11.5	13.2	13.4
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.0	13.1	12.8	12.8	12.8	12.7	11.5	13.2	13.4
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.1	11.1	11.0	10.9	10.9	10.8	11.5	11.3	11.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.0	10.1	9.9	9.6	9.8	9.8	10.5	10.3	10.6

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Tuning targets for Head / Antenna 1 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11b			DSSS	QPSK	2	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11b			DSSS	QPSK	5.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11b			DSSS	QPSK	11	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11g			OFDM	BPSK	6	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	BPSK	9	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	QPSK	12	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	QPSK	18	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	16QAM	24	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	16QAM	36	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	64QAM	48	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	64QAM	54	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.0	13.0	13.0	13.0	13.0	12.0	13.0	13.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.0	13.0	13.0	13.0	13.0	12.0	13.0	13.0

(WLAN2450 Head tuning targets/Ant 1 table continues)

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(WLAN2450 Head tuning targets/Ant 1 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0

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Tuning targets for Head / Antenna 1 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11b			DSSS	QPSK	2	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11b			DSSS	QPSK	5.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11b			DSSS	QPSK	11	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11g			OFDM	BPSK	6	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	BPSK	9	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	QPSK	12	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	QPSK	18	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	16QAM	24	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	16QAM	36	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	64QAM	48	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11g			OFDM	64QAM	54	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.0	13.0	13.0	13.0	13.0	12.0	13.0	13.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.0	13.0	13.0	13.0	13.0	12.0	13.0	13.0

(WLAN2450 Head tuning targets/Ant 1 table continues)

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(WLAN2450 Head tuning targets/Ant 1 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0

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Upper limits for Head / Antenna 1 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Upper limit of tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11b			DSSS	QPSK	2	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11b			DSSS	QPSK	5.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11b			DSSS	QPSK	11	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11g			OFDM	BPSK	6	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	BPSK	9	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	QPSK	12	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	QPSK	18	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	16QAM	24	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	16QAM	36	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	64QAM	48	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	64QAM	54	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	14.5	14.5	14.5	14.5	14.5	13.5	14.5	14.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	14.5	14.5	14.5	14.5	14.5	13.5	14.5	14.5

(WLAN2450 Head upper limits/Ant 1 table continues)

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(WLAN2450 Head upper limits/Ant 1 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Upper limit of tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5

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Upper limits for Head / Antenna 1 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Upper limit of tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11b			DSSS	QPSK	2	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11b			DSSS	QPSK	5.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11b			DSSS	QPSK	11	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11g			OFDM	BPSK	6	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	BPSK	9	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	QPSK	12	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	QPSK	18	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	16QAM	24	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	16QAM	36	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	64QAM	48	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11g			OFDM	64QAM	54	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	14.5	14.5	14.5	14.5	14.5	13.5	14.5	14.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	14.5	14.5	14.5	14.5	14.5	13.5	14.5	14.5

(WLAN2450 Head upper limits/Ant 1 table continues)

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(WLAN2450 Head upper limits/Ant 1 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Upper limit of tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5

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Measured conducted output powers for Head / Antenna 1 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
004402742179033						Measured value (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	14.7	14.6	14.6	14.7	14.8	14.7	14.8	14.6
802.11b			DSSS	QPSK	2	14.7	14.7	14.6	14.7	14.8	14.7	14.8	14.6
802.11b			DSSS	QPSK	5.5	14.7	14.7	14.6	14.7	14.8	14.7	14.8	14.7
802.11b			DSSS	QPSK	11	14.7	14.7	14.6	14.7	14.8	14.7	14.8	14.7
802.11g			OFDM	BPSK	6	14.5	14.5	14.3	14.4	14.6	12.5	14.7	14.5
802.11g			OFDM	BPSK	9	14.5	14.4	14.2	14.4	14.6	12.5	14.6	14.5
802.11g			OFDM	QPSK	12	14.4	14.4	14.2	14.3	14.5	12.5	14.6	14.5
802.11g			OFDM	QPSK	18	14.6	14.5	14.4	14.4	14.7	12.6	14.7	14.6
802.11g			OFDM	16QAM	24	14.9	14.9	14.7	14.7	15.0	12.9	14.9	14.9
802.11g			OFDM	16QAM	36	14.9	14.8	14.7	14.7	14.9	12.8	14.9	14.9
802.11g			OFDM	64QAM	48	14.9	14.9	14.7	14.7	14.9	12.9	14.9	14.9
802.11g			OFDM	64QAM	54	14.9	14.9	14.6	14.7	14.9	12.8	14.9	14.9
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	14.4	14.3	14.2	14.3	14.5	12.4	14.5	14.4
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.3	14.3	14.1	14.2	14.4	12.3	14.4	14.3
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	14.5	14.4	14.2	14.3	14.5	12.4	14.6	14.4
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.9	14.8	14.7	14.8	14.9	12.9	15.0	14.9
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	15.0	14.9	14.7	14.8	14.9	12.9	15.0	14.9
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	15.0	14.9	14.7	14.8	14.9	12.9	15.0	14.9
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.9	14.9	14.7	14.8	14.9	12.9	15.0	14.9
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.9	14.8	14.7	14.7	14.9	12.9	15.0	14.9
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	14.4	14.3	14.2	14.3	14.5	12.4	14.5	14.4
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.3	14.3	14.1	14.2	14.4	12.3	14.4	14.3
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	14.5	14.4	14.2	14.3	14.5	12.4	14.6	14.4
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.9	14.8	14.7	14.8	14.9	12.9	15.0	14.9
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	15.0	14.9	14.7	14.8	14.9	12.9	15.0	14.9
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	15.0	14.9	14.7	14.8	14.9	12.9	15.0	14.9
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.9	14.9	14.7	14.8	14.9	12.9	15.0	14.9
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.9	14.8	14.7	14.7	14.9	12.9	15.0	14.9
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	14.4	14.4	14.2	14.3	14.5	12.4	14.5	14.4
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.4	14.3	14.1	14.3	14.4	12.4	14.5	14.4
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	14.5	14.3	14.2	14.3	14.5	12.4	14.6	14.4
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.9	14.8	14.7	14.7	14.9	12.9	15.0	14.8
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.9	14.9	14.7	14.8	14.9	12.9	15.0	14.9
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.9	14.8	14.7	14.8	14.9	12.9	15.0	14.9
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.9	14.8	14.7	14.8	14.9	12.9	15.0	14.9
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.9	14.8	14.6	14.7	14.9	12.8	15.0	14.8
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.9	13.8	13.7	13.8	14.0	12.9	13.9	14.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	14.4	14.4	14.2	14.3	14.5	12.4	14.5	14.4
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.4	14.3	14.1	14.3	14.4	12.4	14.5	14.4
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	14.5	14.3	14.2	14.3	14.5	12.4	14.6	14.4
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.9	14.8	14.7	14.7	14.9	12.9	15.0	14.8
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.9	14.9	14.7	14.8	14.9	12.9	15.0	14.9
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.9	14.8	14.7	14.8	14.9	12.9	15.0	14.9
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.9	14.8	14.7	14.8	14.9	12.9	15.0	14.9
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.9	14.8	14.6	14.7	14.9	12.8	15.0	14.8
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.9	13.8	13.7	13.8	14.0	12.9	13.9	14.0

(WLAN2450 Head measured values/Ant 1 table continues)

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(WLAN2450 Head measured values/Ant 1 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
004402742179033				Measured value (dBm)										
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	14.1	14.2	13.9	13.8	13.8	13.8	14.2	14.3	12.6
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	14.2	14.3	13.9	13.8	13.9	13.9	14.2	14.4	12.7
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	14.1	14.2	13.9	13.8	13.8	13.8	14.2	14.4	12.6
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.4	14.5	14.0	13.9	14.0	14.1	14.4	14.6	12.9
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.4	14.5	14.1	14.0	14.0	14.1	14.4	14.7	12.8
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	14.4	14.4	14.1	13.9	14.0	14.1	14.4	14.6	12.8
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	14.4	14.5	14.0	14.0	14.0	14.1	14.4	14.6	12.9
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	14.4	14.4	14.0	14.0	14.0	14.0	14.4	14.6	12.9
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	14.1	14.2	13.9	13.8	13.8	13.8	14.2	14.3	12.6
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	14.2	14.3	13.9	13.8	13.9	13.9	14.2	14.4	12.7
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	14.1	14.2	13.9	13.8	13.8	13.8	14.2	14.4	12.6
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.4	14.5	14.0	13.9	14.0	14.1	14.4	14.6	12.9
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.4	14.5	14.1	14.0	14.0	14.1	14.4	14.7	12.8
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	14.4	14.4	14.1	13.9	14.0	14.1	14.4	14.6	12.8
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	14.4	14.5	14.0	14.0	14.0	14.1	14.4	14.6	12.9
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	14.4	14.4	14.0	14.0	14.0	14.0	14.4	14.6	12.9
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	14.1	14.2	13.8	13.7	13.7	13.8	14.2	14.3	12.6
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	14.0	14.1	13.7	13.7	13.7	13.7	14.0	14.3	12.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	14.0	14.1	14.1	13.7	13.7	13.8	14.1	14.3	12.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.4	14.4	14.0	13.9	14.0	14.0	14.4	14.7	12.8
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.4	14.5	14.1	13.9	14.0	14.1	14.4	14.7	12.9
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.4	14.5	14.0	13.9	14.1	14.1	14.3	14.6	12.8
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	14.4	14.4	14.0	14.0	14.0	14.1	14.4	14.6	12.8
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	14.4	14.4	14.0	14.0	14.0	14.0	14.3	14.6	12.8
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	12.3	12.5	12.1	12.0	12.1	12.2	12.5	12.7	12.8
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	11.3	11.4	11.0	11.0	11.0	11.1	11.4	11.7	11.8
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	14.1	14.2	13.8	13.7	13.7	13.8	14.2	14.3	12.6
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	14.0	14.1	13.7	13.7	13.7	13.7	14.0	14.3	12.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	14.0	14.1	14.1	13.7	13.7	13.8	14.1	14.3	12.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.4	14.4	14.0	13.9	14.0	14.0	14.4	14.7	12.8
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.4	14.5	14.1	13.9	14.0	14.1	14.4	14.7	12.9
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.4	14.5	14.0	13.9	14.1	14.1	14.3	14.6	12.8
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	14.4	14.4	14.0	14.0	14.0	14.1	14.4	14.6	12.8
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	14.4	14.4	14.0	14.0	14.0	14.0	14.3	14.6	12.8
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	12.3	12.5	12.1	12.0	12.1	12.2	12.5	12.7	12.8
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	11.3	11.4	11.0	11.0	11.0	11.1	11.4	11.7	11.8

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Measured conducted output powers for Head / Antenna 1 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
SN: 004402740913300						Measured value (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	14.2	14.1	14.2	14.1	14.1	14.1	14.3	14.2
802.11b			DSSS	QPSK	2	14.2	14.2	14.2	14.1	14.2	14.2	14.3	14.2
802.11b			DSSS	QPSK	5.5	14.2	14.2	14.2	14.1	14.2	14.2	14.3	14.2
802.11b			DSSS	QPSK	11	14.2	14.1	14.2	14.1	14.1	14.2	14.3	14.3
802.11g			OFDM	BPSK	6	13.9	14.0	13.8	13.8	13.9	12.0	14.1	14.1
802.11g			OFDM	BPSK	9	13.9	13.9	13.8	13.7	13.9	12.0	14.1	14.1
802.11g			OFDM	QPSK	12	13.9	13.9	13.8	13.7	13.9	12.0	14.0	14.1
802.11g			OFDM	QPSK	18	14.1	14.1	13.9	13.9	14.0	12.1	14.2	14.2
802.11g			OFDM	16QAM	24	14.4	14.4	14.1	14.2	14.3	12.4	14.4	14.5
802.11g			OFDM	16QAM	36	14.3	14.4	14.2	14.1	14.3	12.4	14.4	14.5
802.11g			OFDM	64QAM	48	14.4	14.4	14.1	14.2	14.2	12.5	14.5	14.6
802.11g			OFDM	64QAM	54	14.3	14.4	14.1	14.1	14.4	12.4	14.4	14.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.9	13.9	13.7	13.7	13.8	11.9	14.0	14.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.8	13.8	13.7	13.7	13.8	11.9	13.9	14.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.9	13.9	13.8	13.8	13.9	12.0	14.0	14.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.5	14.4	14.2	14.2	14.3	12.5	14.5	14.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.4	14.4	14.2	14.2	14.4	12.5	14.5	14.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.4	14.4	14.2	14.2	14.3	12.4	14.5	14.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.4	14.3	14.2	14.4	12.4	14.5	14.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.4	14.3	14.2	14.2	14.3	12.4	14.5	14.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.9	13.9	13.7	13.7	13.8	11.9	14.0	14.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.8	13.8	13.7	13.7	13.8	11.9	13.9	14.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.9	13.9	13.8	13.8	13.9	12.0	14.0	14.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.5	14.4	14.2	14.2	14.3	12.5	14.5	14.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.4	14.4	14.2	14.2	14.4	12.5	14.5	14.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.4	14.4	14.2	14.2	14.3	12.4	14.5	14.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.5	14.4	14.3	14.2	14.4	12.4	14.5	14.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.4	14.3	14.2	14.2	14.3	12.4	14.5	14.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.9	13.9	13.8	13.7	13.9	12.0	14.0	14.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.8	13.8	13.7	13.6	13.8	11.8	14.0	13.9
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.9	13.9	13.7	13.7	13.9	12.0	14.0	14.1
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.4	14.4	14.2	14.2	14.3	12.4	14.5	14.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.5	14.3	14.2	14.1	14.3	12.4	14.5	14.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.4	14.3	14.2	14.2	14.3	12.4	14.5	14.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.4	14.2	14.2	14.3	12.4	14.5	14.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.3	14.4	14.1	14.1	14.3	12.4	14.5	14.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.4	13.4	13.2	13.3	13.4	12.6	13.5	13.6
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.9	13.9	13.8	13.7	13.9	12.0	14.0	14.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.8	13.8	13.7	13.6	13.8	11.8	14.0	13.9
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.9	13.9	13.7	13.7	13.9	12.0	14.0	14.1
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.4	14.4	14.2	14.2	14.3	12.4	14.5	14.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.5	14.3	14.2	14.1	14.3	12.4	14.5	14.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.4	14.3	14.2	14.2	14.3	12.4	14.5	14.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.5	14.4	14.2	14.2	14.3	12.4	14.5	14.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.3	14.4	14.1	14.1	14.3	12.4	14.5	14.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.4	13.4	13.2	13.3	13.4	12.6	13.5	13.6

(WLAN2450 Head measured values/Ant 1 table continues)

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(WLAN2450 Head measured values/Ant 1 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
SN: 004402740913300						Measured value (dBm)								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.7	13.7	13.6	13.5	13.5	13.6	12.0	13.8	14.3
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.7	13.8	13.6	13.6	13.6	13.5	12.1	13.8	14.3
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.7	13.7	13.6	13.6	13.5	13.5	12.0	13.8	14.3
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.9	13.9	13.6	13.5	13.5	13.5	12.4	14.0	14.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.9	13.9	13.6	13.5	13.5	13.5	12.4	14.1	14.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.9	13.9	13.6	13.5	13.5	13.6	12.4	14.1	14.5
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.9	14.0	13.6	13.5	13.6	13.5	12.4	14.1	14.5
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.9	13.9	13.6	13.5	13.5	13.6	12.4	14.1	14.5
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.7	13.7	13.6	13.5	13.5	13.6	12.0	13.8	14.3
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.7	13.8	13.6	13.6	13.6	13.5	12.1	13.8	14.3
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.7	13.7	13.6	13.6	13.5	13.5	12.0	13.8	14.3
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.9	13.9	13.6	13.5	13.5	13.5	12.4	14.0	14.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.9	13.9	13.6	13.5	13.5	13.5	12.4	14.1	14.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.9	13.9	13.6	13.5	13.5	13.6	12.4	14.1	14.5
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.9	14.0	13.6	13.5	13.6	13.5	12.4	14.1	14.5
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.9	13.9	13.6	13.5	13.5	13.6	12.4	14.1	14.5
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.6	13.7	13.6	13.6	13.6	13.5	12.1	13.8	14.3
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	13.5	13.6	13.5	13.5	13.5	13.6	12.0	13.7	14.1
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	13.6	13.6	13.6	13.6	13.5	13.6	12.0	13.7	14.2
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.9	13.9	13.5	13.5	13.6	13.5	12.4	14.1	14.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.9	13.9	13.6	13.5	13.5	13.5	12.4	14.0	14.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.9	13.9	13.6	13.5	13.5	13.5	12.4	14.0	14.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.9	13.9	13.5	13.5	13.5	13.5	12.4	14.0	14.4
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.9	13.9	13.5	13.5	13.6	13.5	12.4	14.0	14.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.8	11.9	11.7	11.6	11.6	11.6	12.4	12.2	12.6
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.8	10.9	10.7	10.5	10.5	10.6	11.4	11.2	11.7
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.6	13.7	13.6	13.6	13.6	13.5	12.1	13.8	14.3
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	13.5	13.6	13.5	13.5	13.5	13.6	12.0	13.7	14.1
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	13.6	13.6	13.6	13.6	13.5	13.6	12.0	13.7	14.2
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.9	13.9	13.5	13.5	13.6	13.5	12.4	14.1	14.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.9	13.9	13.6	13.5	13.5	13.5	12.4	14.0	14.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.9	13.9	13.6	13.5	13.5	13.5	12.4	14.0	14.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.9	13.9	13.5	13.5	13.5	13.5	12.4	14.0	14.4
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.9	13.9	13.5	13.5	13.6	13.5	12.4	14.0	14.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.8	11.9	11.7	11.6	11.6	11.6	12.4	12.2	12.6
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.8	10.9	10.7	10.5	10.5	10.6	11.4	11.2	11.7

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Tuning targets for Head / Antenna 2 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11b			DSSS	QPSK	2	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11b			DSSS	QPSK	5.5	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11b			DSSS	QPSK	11	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11g			OFDM	BPSK	6	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11g			OFDM	BPSK	9	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11g			OFDM	QPSK	12	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11g			OFDM	QPSK	18	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11g			OFDM	16QAM	24	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11g			OFDM	16QAM	36	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11g			OFDM	64QAM	48	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11g			OFDM	64QAM	54	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	12.0	12.0	12.0	12.0	12.0	11.0	12.0	12.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.0	13.0	13.0	13.0	13.0	11.0	13.0	13.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	12.0	12.0	12.0	12.0	12.0	11.0	12.0	12.0

(WLAN2450 Head tuning targets/Ant 2 table continues)

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(WLAN2450 Head tuning targets/Ant 2 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

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Tuning targets for Head / Antenna 2 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11b			DSSS	QPSK	2	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11b			DSSS	QPSK	5.5	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11b			DSSS	QPSK	11	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11g			OFDM	BPSK	6	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11g			OFDM	BPSK	9	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11g			OFDM	QPSK	12	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11g			OFDM	QPSK	18	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11g			OFDM	16QAM	24	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11g			OFDM	16QAM	36	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11g			OFDM	64QAM	48	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11g			OFDM	64QAM	54	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.0	11.0	11.0	11.0	11.0	10.0	11.0	11.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.0	11.0	11.0	11.0	11.0	10.0	11.0	11.0

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WLAN 2.4 GHz: 40 MHz channel bandwidth														
Tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0

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Upper limits for Head / Antenna 2 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Upper limit of tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
802.11b			DSSS	QPSK	2	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
802.11b			DSSS	QPSK	5.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
802.11b			DSSS	QPSK	11	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
802.11g			OFDM	BPSK	6	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11g			OFDM	BPSK	9	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11g			OFDM	QPSK	12	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11g			OFDM	QPSK	18	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11g			OFDM	16QAM	24	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11g			OFDM	16QAM	36	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11g			OFDM	64QAM	48	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11g			OFDM	64QAM	54	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.5	13.5	13.5	13.5	13.5	12.5	13.5	13.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.5	14.5	14.5	14.5	14.5	12.5	14.5	14.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.5	13.5	13.5	13.5	13.5	12.5	13.5	13.5

(WLAN2450 Head upper limits/Ant 2 table continues)

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(WLAN2450 Head upper limits/Ant 2 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Upper limit of tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5

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Upper limits for Head / Antenna 2 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Upper limit of tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11b			DSSS	QPSK	2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11b			DSSS	QPSK	5.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11b			DSSS	QPSK	11	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11g			OFDM	BPSK	6	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	BPSK	9	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	QPSK	12	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	QPSK	18	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	16QAM	24	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	16QAM	36	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	64QAM	48	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11g			OFDM	64QAM	54	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	12.5	12.5	12.5	12.5	12.5	11.5	12.5	12.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	12.5	12.5	12.5	12.5	12.5	11.5	12.5	12.5

(WLAN2450 Head upper limits/Ant 2 table continues)

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(WLAN2450 Head upper limits/Ant 2 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Upper limit of tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5

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Measured conducted output powers for Head / Antenna 2 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
004402742179033						Measured value (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	13.0	13.3	13.1	13.0	13.1	13.0	13.1	13.3
802.11b			DSSS	QPSK	2	13.2	13.3	13.1	13.1	13.1	13.1	13.2	13.4
802.11b			DSSS	QPSK	5.5	13.1	13.3	13.1	13.1	13.1	13.1	13.2	13.4
802.11b			DSSS	QPSK	11	13.1	13.3	13.1	13.1	13.1	13.1	13.2	13.4
802.11g			OFDM	BPSK	6	12.9	13.0	12.8	12.8	12.9	11.0	12.9	13.1
802.11g			OFDM	BPSK	9	12.8	13.0	12.7	12.8	12.8	11.0	12.9	13.0
802.11g			OFDM	QPSK	12	12.8	12.9	12.8	12.7	12.8	10.9	12.9	13.0
802.11g			OFDM	QPSK	18	13.0	13.1	12.9	12.9	12.9	11.1	13.1	13.2
802.11g			OFDM	16QAM	24	13.2	13.4	13.1	13.1	13.3	11.3	13.2	13.4
802.11g			OFDM	16QAM	36	13.2	13.4	13.1	13.1	13.2	11.3	13.2	13.4
802.11g			OFDM	64QAM	48	13.2	13.4	13.1	13.1	13.2	11.3	13.2	13.4
802.11g			OFDM	64QAM	54	13.2	13.4	13.1	13.1	13.2	11.3	13.2	13.4
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	12.8	13.0	12.7	12.7	12.7	10.9	12.8	13.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	12.7	12.9	12.6	12.6	12.7	10.8	12.7	12.9
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	12.8	13.0	12.7	12.7	12.8	10.9	12.8	13.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	13.3	13.4	13.1	13.2	13.2	11.3	13.3	13.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	13.3	13.4	13.1	13.1	13.2	11.3	13.2	13.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.3	13.4	13.1	13.2	13.2	11.3	13.3	13.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.3	13.4	13.2	13.1	13.2	11.3	13.2	13.4
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.3	13.4	13.1	13.2	13.2	11.3	13.2	13.4
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	12.8	13.0	12.7	12.7	12.7	10.9	12.8	13.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	12.7	12.9	12.6	12.6	12.7	10.8	12.7	12.9
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	12.8	13.0	12.7	12.7	12.8	10.9	12.8	13.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	13.3	13.4	13.1	13.2	13.2	11.3	13.3	13.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	13.3	13.4	13.1	13.1	13.2	11.3	13.2	13.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.3	13.4	13.1	13.2	13.2	11.3	13.3	13.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.3	13.4	13.2	13.1	13.2	11.3	13.2	13.4
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.3	13.4	13.1	13.2	13.2	11.3	13.2	13.4
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	12.9	13.0	12.8	12.7	12.8	10.9	12.8	13.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	12.8	12.8	12.7	12.7	12.7	10.8	12.8	13.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	12.8	12.9	12.7	12.7	12.8	10.8	12.9	13.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	13.4	13.4	13.2	13.2	13.3	11.3	13.3	13.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	13.3	13.4	13.2	13.2	13.3	11.3	13.3	13.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.3	13.4	13.1	13.1	13.2	11.3	13.2	13.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.3	13.4	13.2	13.1	13.3	11.3	13.2	13.4
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.2	13.4	13.1	13.0	13.2	11.3	13.1	13.4
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	12.3	12.5	12.2	12.2	12.2	11.3	12.2	12.4
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	12.9	13.0	12.8	12.7	12.8	10.9	12.8	13.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	12.8	12.8	12.7	12.7	12.7	10.8	12.8	13.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	12.8	12.9	12.7	12.7	12.8	10.8	12.9	13.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	13.4	13.4	13.2	13.2	13.3	11.3	13.3	13.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	13.3	13.4	13.2	13.2	13.3	11.3	13.3	13.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.3	13.4	13.1	13.1	13.2	11.3	13.2	13.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.3	13.4	13.2	13.1	13.3	11.3	13.2	13.4
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.2	13.4	13.1	13.0	13.2	11.3	13.1	13.4
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	12.3	12.5	12.2	12.2	12.2	11.3	12.2	12.4

(WLAN2450 Head measured values/Ant 2 table continues)

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(WLAN2450 Head measured values/Ant 2 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
004402742179033						Measured value (dBm)								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	12.6	12.6	12.6	12.5	12.4	12.5	12.6	12.7	10.9
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	12.7	12.7	12.7	12.6	12.4	12.5	12.7	12.7	11.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	12.6	12.7	12.6	12.5	12.4	12.4	12.6	12.6	11.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	12.8	12.8	12.8	12.7	12.6	12.6	12.8	12.9	11.2
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	12.8	12.9	12.9	12.8	12.6	12.6	12.8	12.9	11.2
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	12.8	12.9	12.8	12.7	12.6	12.6	12.8	12.8	11.2
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	12.8	12.9	12.8	12.8	12.6	12.6	12.9	12.9	11.2
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	12.8	12.9	12.8	12.7	12.6	12.6	12.8	12.9	11.2
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	12.6	12.6	12.6	12.5	12.4	12.5	12.6	12.7	10.9
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	12.7	12.7	12.7	12.6	12.4	12.5	12.7	12.7	11.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	12.6	12.7	12.6	12.5	12.4	12.4	12.6	12.6	11.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	12.8	12.8	12.8	12.7	12.6	12.6	12.8	12.9	11.2
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	12.8	12.9	12.9	12.8	12.6	12.6	12.8	12.9	11.2
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	12.8	12.9	12.8	12.7	12.6	12.6	12.8	12.8	11.2
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	12.8	12.9	12.8	12.8	12.6	12.6	12.9	12.9	11.2
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	12.8	12.9	12.8	12.7	12.6	12.6	12.8	12.9	11.2
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	12.6	12.6	12.6	12.5	12.4	12.4	12.6	12.6	10.9
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	12.6	12.6	12.5	12.4	12.3	12.3	12.5	12.6	10.8
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	12.6	12.6	12.6	12.5	12.3	12.4	12.6	12.6	10.9
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	12.8	12.8	12.9	12.9	12.6	12.6	12.8	12.8	11.1
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	12.9	12.9	12.9	12.8	12.6	12.6	12.8	12.9	11.1
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	12.8	12.8	12.8	12.7	12.6	12.5	12.7	12.8	11.2
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	12.8	12.9	12.8	12.7	12.6	12.6	12.8	12.9	11.2
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	12.8	12.9	12.8	12.7	12.6	12.5	12.8	12.9	11.2
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.9	10.9	10.8	10.8	10.7	10.7	10.8	11.0	11.2
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	9.9	10.0	9.8	9.7	9.7	9.6	9.8	9.9	10.2
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	12.6	12.6	12.6	12.5	12.4	12.4	12.6	12.6	10.9
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	12.6	12.6	12.5	12.4	12.3	12.3	12.5	12.6	10.8
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	12.6	12.6	12.6	12.5	12.3	12.4	12.6	12.6	10.9
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	12.8	12.8	12.9	12.9	12.6	12.6	12.8	12.8	11.1
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	12.9	12.9	12.9	12.8	12.6	12.6	12.8	12.9	11.1
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	12.8	12.8	12.8	12.7	12.6	12.5	12.7	12.8	11.2
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	12.8	12.9	12.8	12.7	12.6	12.6	12.8	12.9	11.2
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	12.8	12.9	12.8	12.7	12.6	12.5	12.8	12.9	11.2
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.9	10.9	10.8	10.8	10.7	10.7	10.8	11.0	11.2
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	9.9	10.0	9.8	9.7	9.7	9.6	9.8	9.9	10.2

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Measured conducted output powers for Head / Antenna 2 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
SN: 004402740913300						Measured value (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	12.3	12.4	12.2	12.2	12.2	12.4	12.4	12.7
802.11b			DSSS	QPSK	2	12.4	12.5	12.3	12.2	12.3	12.4	12.4	12.7
802.11b			DSSS	QPSK	5.5	12.4	12.5	12.3	12.2	12.2	12.4	12.4	12.7
802.11b			DSSS	QPSK	11	12.4	12.4	12.3	12.2	12.2	12.4	12.4	12.7
802.11g			OFDM	BPSK	6	12.1	12.2	12.0	11.9	12.0	10.3	12.1	12.3
802.11g			OFDM	BPSK	9	12.1	12.1	11.9	11.9	12.0	10.3	12.1	12.3
802.11g			OFDM	QPSK	12	12.0	12.1	12.0	11.8	11.9	10.3	12.2	12.3
802.11g			OFDM	QPSK	18	12.1	12.3	12.0	12.0	12.1	10.4	12.3	12.4
802.11g			OFDM	16QAM	24	12.4	12.5	12.3	12.2	12.4	10.6	12.5	12.7
802.11g			OFDM	16QAM	36	12.4	12.5	12.3	12.2	12.4	10.6	12.5	12.7
802.11g			OFDM	64QAM	48	12.4	12.5	12.3	12.2	12.4	10.6	12.5	12.6
802.11g			OFDM	64QAM	54	12.3	12.5	12.3	12.2	12.3	10.6	12.5	12.6
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	12.0	12.1	11.9	11.8	11.9	10.2	12.0	12.3
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	11.9	12.0	11.8	11.7	11.8	10.1	11.9	12.2
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	12.0	12.2	12.0	12.0	11.9	10.3	12.1	12.3
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	12.5	12.6	12.4	12.2	12.4	10.6	12.5	12.7
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	12.5	12.6	12.3	12.3	12.4	10.6	12.5	12.7
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	12.5	12.6	12.3	12.3	12.4	10.7	12.5	12.7
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	12.5	12.6	12.3	12.2	12.4	10.6	12.5	12.7
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	12.5	12.6	12.3	12.2	12.4	10.6	12.5	12.7
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	12.0	12.1	11.9	11.8	11.9	10.2	12.0	12.3
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	11.9	12.0	11.8	11.7	11.8	10.1	11.9	12.2
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	12.0	12.2	12.0	12.0	11.9	10.3	12.1	12.3
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	12.5	12.6	12.4	12.2	12.4	10.6	12.5	12.7
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	12.5	12.6	12.3	12.3	12.4	10.6	12.5	12.7
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	12.5	12.6	12.3	12.3	12.4	10.7	12.5	12.7
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	12.5	12.6	12.3	12.2	12.4	10.6	12.5	12.7
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	12.5	12.6	12.3	12.2	12.4	10.6	12.5	12.7
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	12.0	12.1	11.9	11.8	11.9	10.2	12.1	12.3
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	12.0	12.0	11.9	11.7	11.9	10.2	12.0	12.2
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	12.0	12.1	11.9	11.8	11.9	10.2	12.1	12.3
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	12.5	12.6	12.3	12.3	12.4	10.6	12.5	12.7
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	12.5	12.6	12.3	12.3	12.3	10.6	12.5	12.7
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	12.5	12.6	12.3	12.2	12.3	10.6	12.5	12.7
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	12.4	12.6	12.3	12.2	12.3	10.6	12.5	12.7
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	12.4	12.5	12.3	12.2	12.3	10.6	12.5	12.7
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.5	11.6	11.4	11.4	11.4	10.6	11.5	11.8
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	12.0	12.1	11.9	11.8	11.9	10.2	12.1	12.3
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	12.0	12.0	11.9	11.7	11.9	10.2	12.0	12.2
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	12.0	12.1	11.9	11.8	11.9	10.2	12.1	12.3
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	12.5	12.6	12.3	12.3	12.4	10.6	12.5	12.7
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	12.5	12.6	12.3	12.3	12.3	10.6	12.5	12.7
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	12.5	12.6	12.3	12.2	12.3	10.6	12.5	12.7
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	12.4	12.6	12.3	12.2	12.3	10.6	12.5	12.7
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	12.4	12.5	12.3	12.2	12.3	10.6	12.5	12.7
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.5	11.6	11.4	11.4	11.4	10.6	11.5	11.8

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(WLAN2450 Head measured values/Ant 2 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
SN: 004402740913300						Measured value (dBm)								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	11.9	11.9	11.7	11.7	11.6	11.6	10.2	12.0	11.8
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	11.9	12.0	11.8	11.7	11.7	11.6	10.3	12.0	11.8
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	11.9	11.9	11.7	11.7	11.6	11.6	10.2	12.0	11.7
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	12.1	12.0	11.9	11.9	11.8	11.8	10.4	12.1	11.9
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	12.1	12.1	11.9	11.9	11.8	11.9	10.5	12.2	12.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	12.0	12.0	12.0	11.9	11.8	11.8	10.4	12.2	12.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	12.0	12.1	12.0	11.9	11.8	11.8	10.4	12.2	12.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	12.0	12.0	11.9	11.9	11.8	11.8	10.4	12.1	11.9
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	11.9	11.9	11.7	11.7	11.6	11.6	10.2	12.0	11.8
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	11.9	12.0	11.8	11.7	11.7	11.6	10.3	12.0	11.8
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	11.9	11.9	11.7	11.7	11.6	11.6	10.2	12.0	11.7
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	12.1	12.0	11.9	11.9	11.8	11.8	10.4	12.1	11.9
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	12.1	12.1	11.9	11.9	11.8	11.9	10.5	12.2	12.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	12.0	12.0	12.0	11.9	11.8	11.8	10.4	12.2	12.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	12.0	12.1	12.0	11.9	11.8	11.8	10.4	12.2	12.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	12.0	12.0	11.9	11.9	11.8	11.8	10.4	12.1	11.9
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	11.8	11.8	11.7	11.6	11.5	11.6	10.1	11.9	11.7
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	11.7	11.8	11.8	11.6	11.6	11.5	10.1	11.9	11.7
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	11.8	11.8	11.6	11.6	11.6	11.6	10.1	11.9	11.7
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	12.0	12.0	11.9	11.8	11.8	11.8	10.4	12.1	11.9
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	12.1	12.1	11.9	11.9	11.8	11.8	10.4	12.1	11.9
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	12.0	12.0	11.9	11.8	11.7	11.8	10.4	12.1	11.9
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	12.0	12.1	11.9	11.9	11.8	11.8	10.4	12.2	12.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	12.0	12.0	11.9	11.9	11.8	11.8	10.4	12.1	11.9
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.1	10.2	10.1	10.1	10.0	9.9	10.4	10.2	10.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	9.0	9.1	9.0	8.5	8.9	8.8	9.4	9.2	9.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	11.8	11.8	11.7	11.6	11.5	11.6	10.1	11.9	11.7
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	11.7	11.8	11.8	11.6	11.6	11.5	10.1	11.9	11.7
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	11.8	11.8	11.6	11.6	11.6	11.6	10.1	11.9	11.7
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	12.0	12.0	11.9	11.8	11.8	11.8	10.4	12.1	11.9
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	12.1	12.1	11.9	11.9	11.8	11.8	10.4	12.1	11.9
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	12.0	12.0	11.9	11.8	11.7	11.8	10.4	12.1	11.9
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	12.0	12.1	11.9	11.9	11.8	11.8	10.4	12.2	12.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	12.0	12.0	11.9	11.9	11.8	11.8	10.4	12.1	11.9
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.1	10.2	10.1	10.1	10.0	9.9	10.4	10.2	10.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	9.0	9.1	9.0	8.5	8.9	8.8	9.4	9.2	9.0

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3.5.2 WLAN2450 Body-worn 15 mm and Wireless Router 10 mm

Test configurations tested base on the averaged tuning targets of Antenna 1 and Antenna 2, meanwhile all the scaling for WLAN2450 measurements are done according to the individual tuning targets and measured conducted powers separately for the both antennas. The both averaged and individual tables are presented below.

Averaged tuning targets for Body-worn 15 mm and Wireless Router 10 mm / Antenna 1 & 2 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
802.11b			DSSS	QPSK	2	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
802.11b			DSSS	QPSK	5.5	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
802.11b			DSSS	QPSK	11	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
802.11g			OFDM	BPSK	6	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11g			OFDM	BPSK	9	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11g			OFDM	QPSK	12	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11g			OFDM	QPSK	18	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11g			OFDM	16QAM	24	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11g			OFDM	16QAM	36	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11g			OFDM	64QAM	48	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11g			OFDM	64QAM	54	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	12.1	12.1	12.1	12.1	12.1	11.1	12.1	12.1
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	12.1	12.1	12.1	12.1	12.1	11.1	12.1	12.1

(WLAN2450 Body and WR averaged tuning targets table continues)

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(WLAN2450 Body and WR averaged tuning targets table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.1
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.1
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.1
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.1
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.1
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.1
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.1
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.1
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.1
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.1
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.1
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	11.1
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.1
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1

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Averaged tuning targets for Body-worn 15 mm and Wireless Router 10 mm / Antenna 1 & 2 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
802.11b			DSSS	QPSK	2	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
802.11b			DSSS	QPSK	5.5	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
802.11b			DSSS	QPSK	11	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
802.11g			OFDM	BPSK	6	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11g			OFDM	BPSK	9	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11g			OFDM	QPSK	12	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11g			OFDM	QPSK	18	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11g			OFDM	16QAM	24	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11g			OFDM	16QAM	36	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11g			OFDM	64QAM	48	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11g			OFDM	64QAM	54	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	12.1	12.1	12.1	12.1	12.1	11.1	12.1	12.1
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.1	15.1	15.1	15.1	15.1	11.1	15.1	15.1
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	12.1	12.1	12.1	12.1	12.1	11.1	12.1	12.1

(WLAN2450 Body and WR averaged tuning targets table continues)

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(WLAN2450 Body and WR averaged tuning targets table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.1	14.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.1	14.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.1	14.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.1	14.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.1	14.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.1	14.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.1	14.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	13.1	14.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	13.1	14.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.1	14.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	13.1	14.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	13.1	14.1	14.1	14.1	14.1	14.1	11.1	14.1	14.1
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.1	13.1	13.1	13.1	13.1	13.1	11.1	13.1	13.1
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1

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Averaged upper limits for Body-worn 15 mm and Wireless Router 10 mm / Antenna 1 & 2 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Upper limit of tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
802.11b			DSSS	QPSK	2	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
802.11b			DSSS	QPSK	5.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
802.11b			DSSS	QPSK	11	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
802.11g			OFDM	BPSK	6	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11g			OFDM	BPSK	9	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11g			OFDM	QPSK	12	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11g			OFDM	QPSK	18	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11g			OFDM	16QAM	24	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11g			OFDM	16QAM	36	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11g			OFDM	64QAM	48	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11g			OFDM	64QAM	54	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.6	13.6	13.6	13.6	13.6	12.6	13.6	13.6
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.6	13.6	13.6	13.6	13.6	12.6	13.6	13.6

(WLAN2450 Body and WR averaged upper limits table continues)

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(WLAN2450 Body and WR averaged upper limits table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Upper limit of tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	14.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	12.6
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	14.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	12.6
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	14.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	12.6
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	14.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	12.6
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	14.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	12.6
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	14.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	12.6
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	14.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	12.6
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	14.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	12.6
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	14.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	12.6
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	14.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	12.6
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	14.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	12.6
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	14.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	12.6
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.6
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6

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Averaged upper limits for Body-worn 15 mm and Wireless Router 10 mm / Antenna 1 & 2 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Upper limit of tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
802.11b			DSSS	QPSK	2	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
802.11b			DSSS	QPSK	5.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
802.11b			DSSS	QPSK	11	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
802.11g			OFDM	BPSK	6	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11g			OFDM	BPSK	9	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11g			OFDM	QPSK	12	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11g			OFDM	QPSK	18	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11g			OFDM	16QAM	24	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11g			OFDM	16QAM	36	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11g			OFDM	64QAM	48	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11g			OFDM	64QAM	54	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.6	13.6	13.6	13.6	13.6	12.6	13.6	13.6
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	14.6	16.6	16.6	16.6	16.6	12.6	16.6	16.6
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.6	13.6	13.6	13.6	13.6	12.6	13.6	13.6

(WLAN2450 Body and WR averaged upper limits table continues)

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(WLAN2450 Body and WR averaged upper limits table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Upper limit of tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	14.6	15.6	15.6	15.6	15.6	15.6	12.6	15.6	15.1
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	14.6	15.6	15.6	15.6	15.6	15.6	12.6	15.6	15.1
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	14.6	15.6	15.6	15.6	15.6	15.6	12.6	15.6	15.1
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.1
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.1
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.1
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.1
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.1
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	14.6	15.6	15.6	15.6	15.6	15.6	12.6	15.6	15.1
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	14.6	15.6	15.6	15.6	15.6	15.6	12.6	15.6	15.1
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	14.6	15.6	15.6	15.6	15.6	15.6	12.6	15.6	15.1
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.1
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.1
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.1
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.1
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.1
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	14.6	15.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	14.6	15.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	14.6	15.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	14.6	15.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	14.6	15.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	14.6	15.6	15.6	15.6	15.6	15.6	12.6	15.6	15.6
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	14.6	14.6	14.6	14.6	14.6	14.6	12.6	14.6	14.6
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6

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Averaged measured conducted output powers
for Body-worn 15 mm and Wireless Router 10 mm / Antenna 1 & 2 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
SN: 004402742179033						Measured value (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	15.5	15.5	15.5	15.4	15.4	15.4	15.5	15.6
802.11b			DSSS	QPSK	2	15.5	15.5	15.4	15.4	15.4	15.4	15.5	15.6
802.11b			DSSS	QPSK	5.5	15.5	15.5	15.4	15.4	15.4	15.4	15.5	15.6
802.11b			DSSS	QPSK	11	15.5	15.5	15.4	15.4	15.4	15.4	15.5	15.6
802.11g			OFDM	BPSK	6	13.3	15.3	15.1	15.1	15.1	11.4	15.3	15.3
802.11g			OFDM	BPSK	9	13.3	15.3	15.0	15.0	15.1	11.4	15.2	15.3
802.11g			OFDM	QPSK	12	13.3	15.2	15.0	15.0	15.1	11.3	15.2	15.3
802.11g			OFDM	QPSK	18	13.4	15.4	15.2	15.2	15.3	11.5	15.4	15.5
802.11g			OFDM	16QAM	24	13.7	15.7	15.4	15.4	15.5	11.8	15.6	15.7
802.11g			OFDM	16QAM	36	13.7	15.6	15.4	15.4	15.5	11.7	15.6	15.7
802.11g			OFDM	64QAM	48	13.7	14.7	14.4	14.4	14.6	11.7	14.7	14.7
802.11g			OFDM	64QAM	54	13.6	14.6	14.4	14.4	14.6	11.7	14.6	14.7
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.2	15.2	15.0	15.0	15.0	11.3	15.1	15.2
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.1	15.1	14.9	14.9	14.9	11.2	15.1	15.2
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.3	15.2	15.0	15.0	15.1	11.3	15.2	15.3
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	13.8	14.7	14.5	14.5	14.6	11.8	14.7	14.8
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	13.7	14.7	14.5	14.5	14.6	11.8	14.7	14.8
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.8	14.7	14.5	14.5	14.6	11.7	14.7	14.8
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.8	14.7	14.5	14.5	14.6	11.7	14.7	14.8
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.7	14.7	14.5	14.5	14.6	11.7	14.7	14.8
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.2	15.2	15.0	15.0	15.0	11.3	15.1	15.2
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.1	15.1	14.9	14.9	14.9	11.2	15.1	15.2
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.3	15.2	15.0	15.0	15.1	11.3	15.2	15.3
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	13.8	14.7	14.5	14.5	14.6	11.8	14.7	14.8
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	13.7	14.7	14.5	14.5	14.6	11.8	14.7	14.8
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.8	14.7	14.5	14.5	14.6	11.7	14.7	14.8
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.8	14.7	14.5	14.5	14.6	11.7	14.7	14.8
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.7	14.7	14.5	14.5	14.6	11.7	14.7	14.8
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.2	15.2	15.0	15.0	15.1	11.3	15.2	15.3
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.8	15.1	15.0	15.0	15.0	11.3	15.1	15.2
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.2	15.1	15.0	15.0	15.1	11.3	15.2	15.3
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	13.7	14.7	14.5	14.5	14.6	11.8	14.7	14.8
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	13.7	14.7	14.5	14.5	14.6	11.7	14.7	14.8
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.7	14.7	14.5	14.5	14.6	11.8	14.7	14.8
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.7	14.7	14.5	14.5	14.6	11.7	14.7	14.8
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.7	14.7	14.4	14.5	14.5	11.7	14.7	14.7
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	12.7	12.7	12.5	12.6	12.6	11.7	12.7	12.9
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.2	15.2	15.0	15.0	15.1	11.3	15.2	15.3
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.8	15.1	15.0	15.0	15.0	11.3	15.1	15.2
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.2	15.1	15.0	15.0	15.1	11.3	15.2	15.3
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	13.7	14.7	14.5	14.5	14.6	11.8	14.7	14.8
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	13.7	14.7	14.5	14.5	14.6	11.7	14.7	14.8
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.7	14.7	14.5	14.5	14.6	11.8	14.7	14.8
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.7	14.7	14.5	14.5	14.6	11.7	14.7	14.8
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.7	14.7	14.4	14.5	14.5	11.7	14.7	14.7
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	12.7	12.7	12.5	12.6	12.6	11.7	12.7	12.9

(WLAN2450 Body and WR averaged measured values table continues)

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(WLAN2450 Body and WR averaged measured values table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
SN: 004402742179033						Measured value (dBm)								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.0	14.0	13.8	13.8	13.9	13.8	13.9	14.2	11.4
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.0	14.1	13.8	13.8	13.8	13.8	13.9	14.2	11.4
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.0	14.1	13.8	13.8	13.8	13.8	13.9	14.2	11.4
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.2	13.3	13.0	12.9	12.9	12.9	13.2	13.4	11.6
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.3	13.3	13.0	12.9	12.9	12.9	13.2	13.4	11.7
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.2	13.3	13.0	12.9	12.9	12.9	13.2	13.4	11.6
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.2	13.3	13.0	12.9	13.0	12.9	13.2	13.4	11.7
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.2	13.3	13.0	12.9	12.9	12.9	13.1	13.4	11.6
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.0	14.0	13.8	13.8	13.9	13.8	13.9	14.2	11.4
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.0	14.1	13.8	13.8	13.8	13.8	13.9	14.2	11.4
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.0	14.1	13.8	13.8	13.8	13.8	13.9	14.2	11.4
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.2	13.3	13.0	12.9	12.9	12.9	13.2	13.4	11.6
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.3	13.3	13.0	12.9	12.9	12.9	13.2	13.4	11.7
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.2	13.3	13.0	12.9	12.9	12.9	13.2	13.4	11.6
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.2	13.3	13.0	12.9	13.0	12.9	13.2	13.4	11.7
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.2	13.3	13.0	12.9	12.9	12.9	13.1	13.4	11.6
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.0	14.0	13.8	13.9	13.8	13.8	13.9	14.1	11.3
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	12.9	13.9	13.9	13.8	13.8	13.8	13.8	14.0	11.3
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	12.9	14.0	13.8	13.8	13.8	13.8	13.8	14.1	11.3
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.2	13.2	13.0	12.9	12.9	12.8	13.2	13.3	11.6
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.2	13.3	13.0	12.9	12.9	12.9	13.2	13.4	11.7
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.3	13.2	13.0	12.9	12.9	12.9	13.1	13.3	11.7
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.2	13.2	13.0	12.9	12.9	12.9	13.1	13.4	11.6
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.2	13.2	13.0	12.9	12.9	12.9	13.1	13.4	11.6
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.2	11.3	11.0	11.0	11.0	11.0	11.2	11.4	11.7
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.1	10.2	10.0	10.0	9.9	9.9	10.2	10.4	10.6
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.0	14.0	13.8	13.9	13.8	13.8	13.9	14.1	11.3
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	12.9	13.9	13.9	13.8	13.8	13.8	13.8	14.0	11.3
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	12.9	14.0	13.8	13.8	13.8	13.8	13.8	14.1	11.3
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.2	13.2	13.0	12.9	12.9	12.8	13.2	13.3	11.6
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.2	13.3	13.0	12.9	12.9	12.9	13.2	13.4	11.7
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.3	13.2	13.0	12.9	12.9	12.9	13.1	13.3	11.7
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.2	13.2	13.0	12.9	12.9	12.9	13.1	13.4	11.6
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.2	13.2	13.0	12.9	12.9	12.9	13.1	13.4	11.6
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.2	11.3	11.0	11.0	11.0	11.0	11.2	11.4	11.7
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.1	10.2	10.0	10.0	9.9	9.9	10.2	10.4	10.6

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Averaged measured conducted output powers
for Body-worn 15 mm and Wireless Router 10 mm / Antenna 1 & 2 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
SN: 004402740913300						Measured value (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	15.3	15.3	15.2	15.2	15.1	15.2	15.3	15.5
802.11b			DSSS	QPSK	2	15.4	15.4	15.3	15.2	15.2	15.2	15.3	15.5
802.11b			DSSS	QPSK	5.5	15.4	15.4	15.3	15.2	15.2	15.2	15.3	15.5
802.11b			DSSS	QPSK	11	15.4	15.4	15.2	15.2	15.2	15.2	15.3	15.5
802.11g			OFDM	BPSK	6	13.2	15.1	14.9	14.8	14.9	11.3	15.1	15.2
802.11g			OFDM	BPSK	9	13.1	15.1	14.8	14.8	14.9	11.2	15.0	15.2
802.11g			OFDM	QPSK	12	13.1	15.1	14.8	14.8	14.9	11.2	15.0	15.1
802.11g			OFDM	QPSK	18	13.3	15.3	15.0	15.0	15.0	11.3	15.2	15.3
802.11g			OFDM	16QAM	24	13.6	15.5	15.2	15.2	15.4	11.6	15.4	15.5
802.11g			OFDM	16QAM	36	13.5	15.5	15.2	15.2	15.3	11.6	15.4	15.5
802.11g			OFDM	64QAM	48	13.5	14.6	14.3	14.2	14.4	11.6	14.6	14.6
802.11g			OFDM	64QAM	54	13.5	14.5	14.2	14.2	14.4	11.6	14.5	14.7
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.1	15.0	14.8	14.7	14.8	11.1	14.9	15.1
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.0	14.9	14.7	14.7	14.7	11.0	14.9	15.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.1	15.0	14.8	14.8	14.8	11.2	15.0	15.2
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	13.6	14.6	14.4	14.3	14.4	11.6	14.5	14.7
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	13.6	14.6	14.3	14.3	14.4	11.6	14.6	14.7
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.6	14.6	14.3	14.3	14.4	11.6	14.6	14.7
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.6	14.6	14.3	14.3	14.4	11.6	14.6	14.7
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.6	14.5	14.3	14.3	14.4	11.6	14.5	14.7
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.1	15.0	14.8	14.7	14.8	11.1	14.9	15.1
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.0	14.9	14.7	14.7	14.7	11.0	14.9	15.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.1	15.0	14.8	14.8	14.8	11.2	15.0	15.2
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	13.6	14.6	14.4	14.3	14.4	11.6	14.5	14.7
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	13.6	14.6	14.3	14.3	14.4	11.6	14.6	14.7
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.6	14.6	14.3	14.3	14.4	11.6	14.6	14.7
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.6	14.6	14.3	14.3	14.4	11.6	14.6	14.7
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.6	14.5	14.3	14.3	14.4	11.6	14.5	14.7
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.1	15.0	14.8	14.8	14.8	11.2	15.0	15.1
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.0	15.0	14.8	14.7	14.8	11.1	14.9	15.1
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.1	15.0	14.8	14.7	14.8	11.2	15.0	15.1
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	13.6	14.6	14.3	14.4	14.4	11.6	14.5	14.7
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	13.5	14.6	14.3	14.3	14.4	11.6	14.5	14.7
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.6	14.6	14.3	14.3	14.4	11.7	14.5	14.7
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.6	14.6	14.3	14.3	14.4	11.6	14.6	14.7
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.5	14.5	14.2	14.2	14.4	11.6	14.5	14.6
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	12.5	12.6	12.4	12.4	12.5	11.6	12.6	12.8
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.1	15.0	14.8	14.8	14.8	11.2	15.0	15.1
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.0	15.0	14.8	14.7	14.8	11.1	14.9	15.1
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.1	15.0	14.8	14.7	14.8	11.2	15.0	15.1
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	13.6	14.6	14.3	14.4	14.4	11.6	14.5	14.7
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	13.5	14.6	14.3	14.3	14.4	11.6	14.5	14.7
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.6	14.6	14.3	14.3	14.4	11.7	14.5	14.7
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.6	14.6	14.3	14.3	14.4	11.6	14.6	14.7
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.5	14.5	14.2	14.2	14.4	11.6	14.5	14.6
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	12.5	12.6	12.4	12.4	12.5	11.6	12.6	12.8

(WLAN2450 Body and WR averaged measured values table continues)

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(WLAN2450 Body and WR averaged measured values table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
SN: 004402740913300						Measured value (dBm)								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	12.8	13.9	13.7	13.7	13.7	13.6	11.3	14.0	14.1
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	12.9	13.9	13.7	13.7	13.7	13.7	11.3	14.0	14.2
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	12.8	13.9	13.7	13.7	13.7	13.7	11.3	13.9	14.1
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.1	13.1	12.8	12.8	12.8	12.8	11.5	13.2	13.4
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.1	13.1	12.8	12.8	12.8	12.8	11.6	13.2	13.4
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.1	13.1	12.8	12.8	12.7	12.8	11.5	13.2	13.4
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.1	13.1	12.9	12.8	12.8	12.8	11.5	13.2	13.4
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.1	13.1	12.8	12.8	12.8	12.8	11.5	13.2	13.4
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	12.8	13.9	13.7	13.7	13.7	13.6	11.3	14.0	14.1
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	12.9	13.9	13.7	13.7	13.7	13.7	11.3	14.0	14.2
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	12.8	13.9	13.7	13.7	13.7	13.7	11.3	13.9	14.1
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.1	13.1	12.8	12.8	12.8	12.8	11.5	13.2	13.4
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.1	13.1	12.8	12.8	12.8	12.8	11.6	13.2	13.4
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.1	13.1	12.8	12.8	12.7	12.8	11.5	13.2	13.4
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.1	13.1	12.9	12.8	12.8	12.8	11.5	13.2	13.4
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.1	13.1	12.8	12.8	12.8	12.8	11.5	13.2	13.4
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	12.7	13.7	13.7	13.7	13.7	13.7	11.4	13.8	13.9
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	12.6	13.7	13.7	13.7	13.7	13.6	11.3	13.8	13.9
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	12.7	13.7	13.7	13.7	13.7	13.7	11.3	13.8	13.9
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	12.9	13.0	12.8	12.8	12.7	12.7	11.6	13.1	13.2
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.0	13.0	12.8	12.8	12.7	12.7	11.7	13.1	13.2
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.0	13.0	12.8	12.8	12.7	12.7	11.6	13.1	13.2
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	12.9	13.0	12.8	12.7	12.7	12.7	11.6	13.1	13.2
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	12.9	13.0	12.8	12.7	12.7	12.7	11.6	13.1	13.2
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.0	11.1	10.9	10.8	10.8	10.7	11.6	11.3	11.3
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.0	10.1	9.9	9.7	9.8	9.7	10.7	10.2	10.3
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	12.7	13.7	13.7	13.7	13.7	13.7	11.4	13.8	13.9
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	12.6	13.7	13.7	13.7	13.7	13.6	11.3	13.8	13.9
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	12.7	13.7	13.7	13.7	13.7	13.7	11.3	13.8	13.9
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	12.9	13.0	12.8	12.8	12.7	12.7	11.6	13.1	13.2
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.0	13.0	12.8	12.8	12.7	12.7	11.7	13.1	13.2
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.0	13.0	12.8	12.8	12.7	12.7	11.6	13.1	13.2
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	12.9	13.0	12.8	12.7	12.7	12.7	11.6	13.1	13.2
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	12.9	13.0	12.8	12.7	12.7	12.7	11.6	13.1	13.2
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.0	11.1	10.9	10.8	10.8	10.7	11.6	11.3	11.3
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.0	10.1	9.9	9.7	9.8	9.7	10.7	10.2	10.3

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Tuning targets for Body-worn 15 mm and Wireless Router 10 mm / Antenna 1 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
802.11b			DSSS	QPSK	2	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
802.11b			DSSS	QPSK	5.5	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
802.11b			DSSS	QPSK	11	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
802.11g			OFDM	BPSK	6	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11g			OFDM	BPSK	9	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11g			OFDM	QPSK	12	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11g			OFDM	QPSK	18	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11g			OFDM	16QAM	24	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11g			OFDM	16QAM	36	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11g			OFDM	64QAM	48	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11g			OFDM	64QAM	54	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.0	13.0	13.0	13.0	13.0	12.0	13.0	13.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.0	13.0	13.0	13.0	13.0	12.0	13.0	13.0

(WLAN2450 Body and WR tuning targets/Ant1 table continues)

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(WLAN2450 Body and WR tuning targets/Ant1 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0

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Tuning targets for Body-worn 15 mm and Wireless Router 10 mm / Antenna 1 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
802.11b			DSSS	QPSK	2	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
802.11b			DSSS	QPSK	5.5	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
802.11b			DSSS	QPSK	11	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
802.11g			OFDM	BPSK	6	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11g			OFDM	BPSK	9	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11g			OFDM	QPSK	12	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11g			OFDM	QPSK	18	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11g			OFDM	16QAM	24	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11g			OFDM	16QAM	36	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11g			OFDM	64QAM	48	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11g			OFDM	64QAM	54	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.0	13.0	13.0	13.0	13.0	12.0	13.0	13.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	14.0	16.0	16.0	16.0	16.0	12.0	16.0	16.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.0	13.0	13.0	13.0	13.0	12.0	13.0	13.0

(WLAN2450 Body and WR tuning targets/Ant1 table continues)

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(WLAN2450 Body and WR tuning targets/Ant1 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	14.0	15.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	14.0	15.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	14.0	15.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	14.0	15.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	14.0	15.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	14.0	15.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	14.0	15.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	14.0	15.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	14.0	15.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	14.0	15.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	14.0	15.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	14.0	15.0	15.0	15.0	15.0	15.0	12.0	15.0	15.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0	14.0	14.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0

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Upper limits for Body-worn 15 mm and Wireless Router 10 mm / Antenna 1 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Upper limit of tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
802.11b			DSSS	QPSK	2	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
802.11b			DSSS	QPSK	5.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
802.11b			DSSS	QPSK	11	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
802.11g			OFDM	BPSK	6	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11g			OFDM	BPSK	9	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11g			OFDM	QPSK	12	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11g			OFDM	QPSK	18	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11g			OFDM	16QAM	24	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11g			OFDM	16QAM	36	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11g			OFDM	64QAM	48	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11g			OFDM	64QAM	54	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	14.5	14.5	14.5	14.5	14.5	13.5	14.5	14.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	14.5	14.5	14.5	14.5	14.5	13.5	14.5	14.5

(WLAN2450 Body and WR upper limits/Ant1 table continues)

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(WLAN2450 Body and WR upper limits/Ant1 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Upper limit of tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	15.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	13.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	15.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	13.5
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	15.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	13.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	15.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	13.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	15.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	13.5
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	15.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	13.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	15.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	13.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	13.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	15.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	13.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	15.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	13.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	13.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	15.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	13.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5

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Upper limits for Body-worn 15 mm and Wireless Router 10 mm / Antenna 1 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Upper limit of tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
802.11b			DSSS	QPSK	2	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
802.11b			DSSS	QPSK	5.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
802.11b			DSSS	QPSK	11	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
802.11g			OFDM	BPSK	6	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11g			OFDM	BPSK	9	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11g			OFDM	QPSK	12	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11g			OFDM	QPSK	18	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11g			OFDM	16QAM	24	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11g			OFDM	16QAM	36	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11g			OFDM	64QAM	48	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11g			OFDM	64QAM	54	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	14.5	14.5	14.5	14.5	14.5	13.5	14.5	14.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.5	17.5	17.5	17.5	17.5	13.5	17.5	17.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	15.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	14.5	14.5	14.5	14.5	14.5	13.5	14.5	14.5

(WLAN2450 Body and WR upper limits/Ant1 table continues)

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(WLAN2450 Body and WR upper limits/Ant1 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Upper limit of tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	15.5	16.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	15.5	16.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	15.5	16.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	15.5	16.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	15.5	16.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	15.5	16.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	15.5	16.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.5	16.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	15.5	16.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	15.5	16.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.5	16.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	15.5	16.5	16.5	16.5	16.5	16.5	13.5	16.5	16.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	15.5	15.5	15.5	15.5	15.5	15.5	13.5	15.5	15.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5

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Measured conducted output powers
for Body-worn 15 mm and Wireless Router 10 mm / Antenna 1 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
SN: 004402742179033						Measured value (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	16.2	16.2	16.2	16.2	16.1	16.1	16.2	16.2
802.11b			DSSS	QPSK	2	16.2	16.2	16.2	16.1	16.1	16.1	16.2	16.3
802.11b			DSSS	QPSK	5.5	16.2	16.2	16.2	16.2	16.1	16.1	16.2	16.2
802.11b			DSSS	QPSK	11	16.2	16.2	16.2	16.1	16.1	16.1	16.2	16.2
802.11g			OFDM	BPSK	6	14.1	16.0	15.8	15.8	15.9	12.1	16.0	16.0
802.11g			OFDM	BPSK	9	14.0	16.0	15.8	15.8	15.9	12.1	16.0	16.1
802.11g			OFDM	QPSK	12	14.0	16.0	15.8	15.8	15.9	12.0	16.0	16.0
802.11g			OFDM	QPSK	18	14.2	16.1	16.0	15.9	16.1	12.2	16.2	16.2
802.11g			OFDM	16QAM	24	14.5	16.4	16.2	16.2	16.3	12.5	16.4	16.5
802.11g			OFDM	16QAM	36	14.4	16.4	16.2	16.2	16.3	12.4	16.4	16.4
802.11g			OFDM	64QAM	48	14.4	15.4	15.2	15.2	15.3	12.4	15.5	15.5
802.11g			OFDM	64QAM	54	14.4	15.4	15.2	15.2	15.3	12.4	15.5	15.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	14.0	15.9	15.8	15.7	15.8	12.0	15.9	16.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.9	15.8	15.7	15.7	15.7	11.9	15.8	15.9
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	14.0	15.9	15.8	15.8	15.8	12.0	16.0	16.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.5	15.4	15.3	15.3	15.4	12.5	15.5	15.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.5	15.4	15.3	15.3	15.4	12.5	15.5	15.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.5	15.4	15.3	15.3	15.4	12.5	15.5	15.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.5	15.4	15.3	15.3	15.4	12.5	15.5	15.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.5	15.3	15.2	15.2	15.4	12.5	15.5	15.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	14.0	15.9	15.8	15.7	15.8	12.0	15.9	16.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.9	15.8	15.7	15.7	15.7	11.9	15.8	15.9
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	14.0	15.9	15.8	15.8	15.8	12.0	16.0	16.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.5	15.4	15.3	15.3	15.4	12.5	15.5	15.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.5	15.4	15.3	15.3	15.4	12.5	15.5	15.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.5	15.4	15.3	15.3	15.4	12.5	15.5	15.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.5	15.4	15.3	15.3	15.4	12.5	15.5	15.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.5	15.3	15.2	15.2	15.4	12.5	15.5	15.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	14.0	15.9	15.8	15.8	15.8	12.1	16.0	16.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.9	15.8	15.7	15.7	15.8	12.0	15.9	15.9
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	14.0	15.9	15.8	15.8	15.8	12.0	16.0	16.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.5	15.4	15.2	15.3	15.4	12.5	15.5	15.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.4	15.4	15.3	15.3	15.4	12.5	15.5	15.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.5	15.3	15.3	15.2	15.3	12.5	15.5	15.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.5	15.4	15.3	15.3	15.4	12.5	15.5	15.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.4	15.3	15.2	15.2	15.3	12.5	15.5	15.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.4	13.4	13.2	13.3	13.4	12.5	13.5	13.6
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	14.0	15.9	15.8	15.8	15.8	12.1	16.0	16.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.9	15.8	15.7	15.7	15.8	12.0	15.9	15.9
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	14.0	15.9	15.8	15.8	15.8	12.0	16.0	16.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.5	15.4	15.2	15.3	15.4	12.5	15.5	15.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.4	15.4	15.3	15.3	15.4	12.5	15.5	15.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.5	15.3	15.3	15.2	15.3	12.5	15.5	15.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.5	15.4	15.3	15.3	15.4	12.5	15.5	15.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.4	15.3	15.2	15.2	15.3	12.5	15.5	15.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.4	13.4	13.2	13.3	13.4	12.5	13.5	13.6

(WLAN2450 Body and WR upper limits/Ant1 table continues)

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(WLAN2450 Body and WR upper limits/Ant1 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
SN: 004402742179033						Measured value (dBm)								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.7	14.7	14.5	14.5	14.6	14.5	14.6	14.9	12.1
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.7	14.8	14.5	14.6	14.6	14.5	14.7	14.9	12.1
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.7	14.7	14.5	14.5	14.5	14.6	14.7	14.9	12.1
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.0	14.0	13.6	13.5	13.6	13.6	13.9	14.2	12.4
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.0	14.0	13.6	13.6	13.6	13.6	13.9	14.2	12.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	14.0	14.0	13.6	13.5	13.6	13.6	13.9	14.2	12.4
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.9	14.0	13.6	13.5	13.6	13.6	13.9	14.2	12.4
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.9	14.0	13.6	13.5	13.6	13.6	13.9	14.2	12.4
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.7	14.7	14.5	14.5	14.6	14.5	14.6	14.9	12.1
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.7	14.8	14.5	14.6	14.6	14.5	14.7	14.9	12.1
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.7	14.7	14.5	14.5	14.5	14.6	14.7	14.9	12.1
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.0	14.0	13.6	13.5	13.6	13.6	13.9	14.2	12.4
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.0	14.0	13.6	13.6	13.6	13.6	13.9	14.2	12.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	14.0	14.0	13.6	13.5	13.6	13.6	13.9	14.2	12.4
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.9	14.0	13.6	13.5	13.6	13.6	13.9	14.2	12.4
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.9	14.0	13.6	13.5	13.6	13.6	13.9	14.2	12.4
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.6	14.7	14.5	14.6	14.5	14.5	14.6	14.8	12.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	13.6	14.6	14.6	14.5	14.6	14.6	14.6	14.8	12.1
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	13.6	14.7	14.6	14.5	14.6	14.6	14.6	14.9	12.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.9	13.9	13.6	13.5	13.6	13.5	13.9	14.1	12.4
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.0	14.0	13.7	13.5	13.6	13.6	13.9	14.1	12.4
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.0	13.9	13.7	13.5	13.6	13.6	13.9	14.1	12.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.9	13.9	13.6	13.5	13.5	13.6	13.9	14.1	12.4
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.9	13.9	13.6	13.5	13.5	13.6	13.9	14.1	12.4
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.8	11.9	11.6	11.5	11.7	11.7	12.0	12.2	12.4
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.8	10.8	10.6	10.5	10.6	10.6	10.9	11.1	11.4
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.6	14.7	14.5	14.6	14.5	14.5	14.6	14.8	12.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	13.6	14.6	14.6	14.5	14.6	14.6	14.6	14.8	12.1
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	13.6	14.7	14.6	14.5	14.6	14.6	14.6	14.9	12.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.9	13.9	13.6	13.5	13.6	13.5	13.9	14.1	12.4
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.0	14.0	13.7	13.5	13.6	13.6	13.9	14.1	12.4
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.0	13.9	13.7	13.5	13.6	13.6	13.9	14.1	12.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.9	13.9	13.6	13.5	13.5	13.6	13.9	14.1	12.4
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.9	13.9	13.6	13.5	13.5	13.6	13.9	14.1	12.4
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.8	11.9	11.6	11.5	11.7	11.7	12.0	12.2	12.4
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.8	10.8	10.6	10.5	10.6	10.6	10.9	11.1	11.4

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Measured conducted output powers
for Body-worn 15 mm and Wireless Router 10 mm / Antenna 1 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
SN: 004402740913300						Measured value (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	16.1	16.1	16.1	16.0	15.9	15.9	16.1	16.2
802.11b			DSSS	QPSK	2	16.2	16.2	16.1	16.0	16.0	16.0	16.1	16.2
802.11b			DSSS	QPSK	5.5	16.2	16.1	16.1	16.0	16.0	16.0	16.1	16.2
802.11b			DSSS	QPSK	11	16.1	16.2	16.1	16.0	16.0	16.0	16.1	16.2
802.11g			OFDM	BPSK	6	14.0	15.9	15.7	15.7	15.8	12.0	15.9	16.0
802.11g			OFDM	BPSK	9	14.0	15.9	15.7	15.7	15.7	12.0	15.8	16.0
802.11g			OFDM	QPSK	12	13.9	15.9	15.7	15.6	15.7	12.0	15.9	16.0
802.11g			OFDM	QPSK	18	14.1	16.1	15.9	15.9	15.9	12.1	16.1	16.2
802.11g			OFDM	16QAM	24	14.5	16.4	16.2	16.1	16.3	12.4	16.3	16.4
802.11g			OFDM	16QAM	36	14.3	16.3	16.1	16.1	16.2	12.4	16.3	16.4
802.11g			OFDM	64QAM	48	14.4	15.4	15.2	15.1	15.3	12.4	15.4	15.4
802.11g			OFDM	64QAM	54	14.3	15.4	15.1	15.1	15.3	12.4	15.4	15.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.9	15.8	15.7	15.6	15.6	11.9	15.8	15.9
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.8	15.7	15.6	15.5	15.6	11.8	15.7	15.8
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	14.0	15.8	15.7	15.7	15.7	11.9	15.8	16.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.5	15.4	15.3	15.2	15.3	12.4	15.4	15.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.5	15.5	15.2	15.2	15.3	12.4	15.5	15.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.4	15.4	15.2	15.2	15.3	12.4	15.4	15.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.4	15.4	15.2	15.2	15.3	12.5	15.5	15.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.5	15.3	15.2	15.1	15.3	12.4	15.4	15.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.9	15.8	15.7	15.6	15.6	11.9	15.8	15.9
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.8	15.7	15.6	15.5	15.6	11.8	15.7	15.8
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	14.0	15.8	15.7	15.7	15.7	11.9	15.8	16.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.5	15.4	15.3	15.2	15.3	12.4	15.4	15.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.5	15.5	15.2	15.2	15.3	12.4	15.5	15.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.4	15.4	15.2	15.2	15.3	12.4	15.4	15.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.4	15.4	15.2	15.2	15.3	12.5	15.5	15.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.5	15.3	15.2	15.1	15.3	12.4	15.4	15.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.9	15.8	15.7	15.6	15.7	11.9	15.8	16.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.8	15.8	15.6	15.6	15.6	11.9	15.8	15.9
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.9	15.8	15.7	15.6	15.7	11.9	15.9	16.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.4	15.4	15.2	15.3	15.3	12.5	15.4	15.6
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.4	15.4	15.2	15.1	15.3	12.4	15.4	15.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.5	15.4	15.2	15.2	15.3	12.5	15.4	15.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.4	15.4	15.2	15.2	15.3	12.5	15.5	15.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.4	15.4	15.1	15.2	15.3	12.4	15.4	15.4
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	13.4	13.4	13.3	13.3	13.4	12.4	13.5	13.6
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.9	15.8	15.7	15.6	15.7	11.9	15.8	16.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.8	15.8	15.6	15.6	15.6	11.9	15.8	15.9
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.9	15.8	15.7	15.6	15.7	11.9	15.9	16.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.4	15.4	15.2	15.3	15.3	12.5	15.4	15.6
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.4	15.4	15.2	15.1	15.3	12.4	15.4	15.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.5	15.4	15.2	15.2	15.3	12.5	15.4	15.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.4	15.4	15.2	15.2	15.3	12.5	15.5	15.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.4	15.4	15.1	15.2	15.3	12.4	15.4	15.4
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	13.4	13.4	13.3	13.3	13.4	12.4	13.5	13.6

(WLAN2450 Body and WR upper limits/Ant1 table continues)

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(WLAN2450 Body and WR upper limits/Ant1 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
SN: 004402740913300						Measured value (dBm)								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.6	14.7	14.5	14.6	14.6	14.5	12.4	14.8	15.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.7	14.8	14.6	14.6	14.5	14.6	12.4	14.8	15.1
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.6	14.7	14.6	14.5	14.6	14.5	12.3	14.7	15.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.9	13.9	13.5	13.5	13.6	13.6	12.6	14.0	14.2
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.9	13.9	13.5	13.6	13.6	13.6	12.7	14.1	14.3
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.9	13.9	13.6	13.5	13.5	13.6	12.6	14.1	14.3
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.9	14.0	13.6	13.6	13.6	13.6	12.6	14.1	14.3
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.9	13.9	13.5	13.5	13.6	13.6	12.6	14.1	14.2
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.6	14.7	14.5	14.6	14.6	14.5	12.4	14.8	15.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.7	14.8	14.6	14.6	14.5	14.6	12.4	14.8	15.1
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.6	14.7	14.6	14.5	14.6	14.5	12.3	14.7	15.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.9	13.9	13.5	13.5	13.6	13.6	12.6	14.0	14.2
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.9	13.9	13.5	13.6	13.6	13.6	12.7	14.1	14.3
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.9	13.9	13.6	13.5	13.5	13.6	12.6	14.1	14.3
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.9	14.0	13.6	13.6	13.6	13.6	12.6	14.1	14.3
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.9	13.9	13.5	13.5	13.6	13.6	12.6	14.1	14.2
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.6	14.6	14.6	14.6	14.6	14.6	12.4	14.7	14.9
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	13.6	14.6	14.5	14.6	14.6	14.5	12.3	14.6	14.9
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	13.6	14.6	14.6	14.5	14.5	14.6	12.2	14.6	14.9
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.9	13.9	13.5	13.6	13.5	13.6	12.6	14.0	14.2
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.9	13.9	13.6	13.6	13.6	13.6	12.7	14.1	14.3
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.0	13.9	13.6	13.6	13.6	13.5	12.6	14.0	14.3
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.9	13.9	13.5	13.5	13.5	13.6	12.6	14.0	14.2
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.9	13.9	13.5	13.5	13.6	13.6	12.6	14.1	14.2
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.9	12.0	11.7	11.6	11.6	11.6	12.6	12.2	12.4
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.8	10.9	10.7	10.6	10.6	10.6	11.7	11.1	11.4
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.6	14.6	14.6	14.6	14.6	14.6	12.4	14.7	14.9
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	13.6	14.6	14.5	14.6	14.6	14.5	12.3	14.6	14.9
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	13.6	14.6	14.6	14.5	14.5	14.6	12.2	14.6	14.9
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.9	13.9	13.5	13.6	13.5	13.6	12.6	14.0	14.2
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.9	13.9	13.6	13.6	13.6	13.6	12.7	14.1	14.3
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.0	13.9	13.6	13.6	13.6	13.5	12.6	14.0	14.3
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.9	13.9	13.5	13.5	13.5	13.6	12.6	14.0	14.2
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.9	13.9	13.5	13.5	13.6	13.6	12.6	14.1	14.2
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.9	12.0	11.7	11.6	11.6	11.6	12.6	12.2	12.4
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.8	10.9	10.7	10.6	10.6	10.6	11.7	11.1	11.4

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Tuning targets for Body-worn 15 mm and Wireless Router 10 mm / Antenna 2 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11b			DSSS	QPSK	2	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11b			DSSS	QPSK	5.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11b			DSSS	QPSK	11	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11g			OFDM	BPSK	6	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11g			OFDM	BPSK	9	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11g			OFDM	QPSK	12	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11g			OFDM	QPSK	18	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11g			OFDM	16QAM	24	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11g			OFDM	16QAM	36	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11g			OFDM	64QAM	48	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11g			OFDM	64QAM	54	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.0	11.0	11.0	11.0	11.0	10.0	11.0	11.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.0	11.0	11.0	11.0	11.0	10.0	11.0	11.0

(WLAN2450 Body and WR tuning targets/Ant2 table continues)

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(WLAN2450 Body and WR tuning targets/Ant2 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0

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Tuning targets for Body-worn 15 mm and Wireless Router 10 mm / Antenna 2 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11b			DSSS	QPSK	2	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11b			DSSS	QPSK	5.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11b			DSSS	QPSK	11	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11g			OFDM	BPSK	6	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11g			OFDM	BPSK	9	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11g			OFDM	QPSK	12	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11g			OFDM	QPSK	18	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11g			OFDM	16QAM	24	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11g			OFDM	16QAM	36	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11g			OFDM	64QAM	48	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11g			OFDM	64QAM	54	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.0	11.0	11.0	11.0	11.0	10.0	11.0	11.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	12.0	14.0	14.0	14.0	14.0	10.0	14.0	14.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	12.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.0	11.0	11.0	11.0	11.0	10.0	11.0	11.0

(WLAN2450 Body and WR tuning targets/Ant2 table continues)

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(WLAN2450 Body and WR tuning targets/Ant2 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1…5)	CH 4 (2…6)	CH 5 (3…7)	CH 6 (4…8)	CH 7 (5…9)	CH 8 (6…10)	CH 9 (7…11)	CH 10 (8…12)	CH 11 (9…13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	12.0	13.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	12.0	13.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	12.0	13.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	12.0	13.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	12.0	13.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	12.0	13.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	12.0	13.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	12.0	13.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	12.0	13.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	12.0	13.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	12.0	13.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	12.0	13.0	13.0	13.0	13.0	13.0	10.0	13.0	13.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	12.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0

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Upper limits for Body-worn 15 mm and Wireless Router 10 mm / Antenna 2 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Upper limit of tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11b			DSSS	QPSK	2	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11b			DSSS	QPSK	5.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11b			DSSS	QPSK	11	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11g			OFDM	BPSK	6	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11g			OFDM	BPSK	9	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11g			OFDM	QPSK	12	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11g			OFDM	QPSK	18	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11g			OFDM	16QAM	24	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11g			OFDM	16QAM	36	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11g			OFDM	64QAM	48	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11g			OFDM	64QAM	54	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	12.5	12.5	12.5	12.5	12.5	11.5	12.5	12.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	12.5	12.5	12.5	12.5	12.5	11.5	12.5	12.5

(WLAN2450 Body and WR upper limits/Ant2 table continues)

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(WLAN2450 Body and WR upper limits/Ant2 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Upper limit of tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	11.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	11.5
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	11.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	11.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	11.5
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	11.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	11.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	13.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	11.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	13.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	11.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	11.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	13.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	11.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	13.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	11.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5

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Upper limits for Body-worn 15 mm and Wireless Router 10 mm / Antenna 2 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
						Upper limit of tuning target (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11b			DSSS	QPSK	2	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11b			DSSS	QPSK	5.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11b			DSSS	QPSK	11	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11g			OFDM	BPSK	6	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11g			OFDM	BPSK	9	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11g			OFDM	QPSK	12	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11g			OFDM	QPSK	18	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11g			OFDM	16QAM	24	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11g			OFDM	16QAM	36	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11g			OFDM	64QAM	48	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11g			OFDM	64QAM	54	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	12.5	12.5	12.5	12.5	12.5	11.5	12.5	12.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	13.5	15.5	15.5	15.5	15.5	11.5	15.5	15.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	12.5	12.5	12.5	12.5	12.5	11.5	12.5	12.5

(WLAN2450 Body and WR upper limits/Ant2 table continues)

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(WLAN2450 Body and WR upper limits/Ant2 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
Upper limit of tuning target (dBm)														
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	13.5	14.5	14.5	14.5	14.5	14.5	11.5	14.5	13.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	13.5	14.5	14.5	14.5	14.5	14.5	11.5	14.5	13.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	13.5	14.5	14.5	14.5	14.5	14.5	11.5	14.5	13.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	12.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	12.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	12.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	12.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	12.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	13.5	14.5	14.5	14.5	14.5	14.5	11.5	14.5	13.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	13.5	14.5	14.5	14.5	14.5	14.5	11.5	14.5	13.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	13.5	14.5	14.5	14.5	14.5	14.5	11.5	14.5	13.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	12.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	12.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	12.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	12.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	12.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	13.5	14.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	13.5	14.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	13.5	14.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	13.5	14.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	13.5	14.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	13.5	14.5	14.5	14.5	14.5	14.5	11.5	14.5	14.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.5	13.5	13.5	13.5	13.5	13.5	11.5	13.5	13.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5

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Measured conducted output powers
for Body-worn 15 mm and Wireless Router 10 mm / Antenna 2 / RM-1104

WLAN 2.4 GHz: 20 MHz channel bandwidth													
SN: 004402742179033						Measured value (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	14.7	14.7	14.7	14.5	14.5	14.6	14.7	14.8
802.11b			DSSS	QPSK	2	14.7	14.7	14.5	14.5	14.5	14.6	14.6	14.9
802.11b			DSSS	QPSK	5.5	14.7	14.7	14.6	14.5	14.5	14.6	14.6	14.9
802.11b			DSSS	QPSK	11	14.7	14.7	14.5	14.5	14.5	14.6	14.6	14.9
802.11g			OFDM	BPSK	6	12.4	14.4	14.2	14.2	14.2	10.5	14.3	14.5
802.11g			OFDM	BPSK	9	12.4	14.4	14.1	14.1	14.2	10.5	14.3	14.4
802.11g			OFDM	QPSK	12	12.4	14.3	14.1	14.1	14.2	10.5	14.3	14.4
802.11g			OFDM	QPSK	18	12.6	14.6	14.3	14.3	14.4	10.6	14.5	14.6
802.11g			OFDM	16QAM	24	12.8	14.8	14.5	14.4	14.6	10.9	14.6	14.7
802.11g			OFDM	16QAM	36	12.8	14.8	14.4	14.4	14.6	10.8	14.6	14.8
802.11g			OFDM	64QAM	48	12.8	13.9	13.5	13.5	13.6	10.9	13.7	13.9
802.11g			OFDM	64QAM	54	12.7	13.8	13.5	13.5	13.7	10.9	13.6	13.8
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	12.3	14.3	14.1	14.1	14.1	10.4	14.2	14.4
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	12.2	14.2	14.0	14.0	14.0	10.3	14.1	14.3
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	12.4	14.3	14.1	14.1	14.1	10.4	14.2	14.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	12.9	13.8	13.6	13.6	13.7	10.9	13.7	14.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	12.9	13.9	13.5	13.6	13.7	10.9	13.7	13.9
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	12.9	13.9	13.6	13.6	13.7	10.9	13.7	13.9
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	12.9	13.9	13.5	13.6	13.7	10.8	13.7	13.9
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	12.8	13.9	13.5	13.6	13.6	10.8	13.7	13.9
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	12.3	14.3	14.1	14.1	14.1	10.4	14.2	14.4
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	12.2	14.2	14.0	14.0	14.0	10.3	14.1	14.3
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	12.4	14.3	14.1	14.1	14.1	10.4	14.2	14.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	12.9	13.8	13.6	13.6	13.7	10.9	13.7	14.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	12.9	13.9	13.5	13.6	13.7	10.9	13.7	13.9
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	12.9	13.9	13.6	13.6	13.7	10.9	13.7	13.9
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	12.9	13.9	13.5	13.6	13.7	10.8	13.7	13.9
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	12.8	13.9	13.5	13.6	13.6	10.8	13.7	13.9
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	12.4	14.3	14.1	14.1	14.2	10.4	14.2	14.4
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	12.3	14.3	14.1	14.0	14.1	10.4	14.2	14.4
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	12.4	14.3	14.1	14.1	14.1	10.4	14.3	14.4
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	12.8	13.8	13.5	13.6	13.7	10.9	13.7	13.9
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	12.8	13.9	13.6	13.6	13.7	10.8	13.7	14.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	12.8	13.9	13.6	13.6	13.7	10.8	13.7	13.9
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	12.8	13.8	13.6	13.6	13.7	10.8	13.7	14.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	12.8	13.8	13.5	13.6	13.6	10.8	13.6	13.9
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.8	11.9	11.6	11.7	11.7	10.8	11.8	12.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	12.4	14.3	14.1	14.1	14.2	10.4	14.2	14.4
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	12.3	14.3	14.1	14.0	14.1	10.4	14.2	14.4
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	12.4	14.3	14.1	14.1	14.1	10.4	14.3	14.4
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	12.8	13.8	13.5	13.6	13.7	10.9	13.7	13.9
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	12.8	13.9	13.6	13.6	13.7	10.8	13.7	14.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	12.8	13.9	13.6	13.6	13.7	10.8	13.7	13.9
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	12.8	13.8	13.6	13.6	13.7	10.8	13.7	14.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	12.8	13.8	13.5	13.6	13.6	10.8	13.6	13.9
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.8	11.9	11.6	11.7	11.7	10.8	11.8	12.0

(WLAN2450 Body and WR measured values/Ant2 table continues)

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(WLAN2450 Body and WR measured values/Ant2 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
SN: 004402742179033						Measured value (dBm)								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	12.2	13.2	13.0	12.9	12.9	12.9	13.0	13.3	10.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	12.2	13.2	13.1	13.0	12.9	12.9	13.1	13.3	10.5
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	12.2	13.2	13.0	12.9	13.0	12.9	13.0	13.3	10.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	12.4	12.4	12.2	12.1	12.1	12.1	12.3	12.4	10.6
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	12.4	12.5	12.3	12.2	12.1	12.1	12.2	12.5	10.7
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	12.3	12.4	12.3	12.2	12.1	12.1	12.3	12.4	10.7
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	12.4	12.4	12.3	12.2	12.2	12.1	12.3	12.5	10.7
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	12.4	12.4	12.2	12.2	12.1	12.1	12.3	12.4	10.7
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	12.2	13.2	13.0	12.9	12.9	12.9	13.0	13.3	10.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	12.2	13.2	13.1	13.0	12.9	12.9	13.1	13.3	10.5
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	12.2	13.2	13.0	12.9	13.0	12.9	13.0	13.3	10.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	12.4	12.4	12.2	12.1	12.1	12.1	12.3	12.4	10.6
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	12.4	12.5	12.3	12.2	12.1	12.1	12.2	12.5	10.7
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	12.3	12.4	12.3	12.2	12.1	12.1	12.3	12.4	10.7
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	12.4	12.4	12.3	12.2	12.2	12.1	12.3	12.5	10.7
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	12.4	12.4	12.2	12.2	12.1	12.1	12.3	12.4	10.7
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	12.2	13.2	13.0	13.0	12.9	12.8	13.0	13.2	10.4
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	12.1	13.1	13.1	12.8	12.8	12.8	12.9	13.2	10.4
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	12.1	13.1	12.9	12.9	12.9	12.8	13.0	13.2	10.4
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	12.4	12.4	12.2	12.2	12.0	12.0	12.2	12.4	10.7
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	12.4	12.4	12.3	12.2	12.1	12.1	12.3	12.5	10.7
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	12.4	12.4	12.3	12.1	12.1	12.0	12.2	12.4	10.7
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	12.4	12.4	12.3	12.2	12.1	12.1	12.3	12.5	10.7
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	12.3	12.4	12.2	12.2	12.1	12.1	12.3	12.4	10.7
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.4	10.5	10.4	10.3	10.2	10.1	10.3	10.5	10.7
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	9.3	9.4	9.3	9.5	9.2	9.1	9.2	9.4	9.6
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	12.2	13.2	13.0	13.0	12.9	12.8	13.0	13.2	10.4
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	12.1	13.1	13.1	12.8	12.8	12.8	12.9	13.2	10.4
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	12.1	13.1	12.9	12.9	12.9	12.8	13.0	13.2	10.4
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	12.4	12.4	12.2	12.2	12.0	12.0	12.2	12.4	10.7
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	12.4	12.4	12.3	12.2	12.1	12.1	12.3	12.5	10.7
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	12.4	12.4	12.3	12.1	12.1	12.0	12.2	12.4	10.7
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	12.4	12.4	12.3	12.2	12.1	12.1	12.3	12.5	10.7
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	12.3	12.4	12.2	12.2	12.1	12.1	12.3	12.4	10.7
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.4	10.5	10.4	10.3	10.2	10.1	10.3	10.5	10.7
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	9.3	9.4	9.3	9.5	9.2	9.1	9.2	9.4	9.6

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Measured conducted output powers
for Body-worn 15 mm and Wireless Router 10 mm / Antenna 2 / RM-1118

WLAN 2.4 GHz: 20 MHz channel bandwidth													
SN: 004402740913300						Measured value (dBm)							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11	CH 12	CH 13
802.11b			DSSS	BPSK	1	14.4	14.4	14.2	14.1	14.2	14.3	14.3	14.6
802.11b			DSSS	QPSK	2	14.5	14.4	14.2	14.1	14.2	14.3	14.3	14.7
802.11b			DSSS	QPSK	5.5	14.5	14.4	14.2	14.1	14.2	14.3	14.3	14.6
802.11b			DSSS	QPSK	11	14.5	14.4	14.2	14.1	14.2	14.3	14.4	14.7
802.11g			OFDM	BPSK	6	12.1	14.1	13.8	13.8	13.9	10.3	14.0	14.2
802.11g			OFDM	BPSK	9	12.0	14.0	13.8	13.7	13.9	10.3	14.0	14.1
802.11g			OFDM	QPSK	12	12.1	14.1	13.7	13.7	13.8	10.2	14.0	14.1
802.11g			OFDM	QPSK	18	12.2	14.2	13.9	13.9	14.0	10.4	14.1	14.3
802.11g			OFDM	16QAM	24	12.5	14.5	14.1	14.1	14.2	10.7	14.3	14.5
802.11g			OFDM	16QAM	36	12.4	14.5	14.1	14.1	14.2	10.6	14.3	14.4
802.11g			OFDM	64QAM	48	12.4	13.5	13.2	13.1	13.3	10.7	13.5	13.7
802.11g			OFDM	64QAM	54	12.4	13.5	13.1	13.1	13.3	10.6	13.4	13.6
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	12.0	14.0	13.7	13.7	13.7	10.2	13.9	14.1
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	11.9	14.0	13.6	13.6	13.7	10.1	13.8	14.1
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	12.0	14.0	13.8	13.7	13.8	10.2	14.0	14.2
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	12.5	13.5	13.2	13.2	13.4	10.6	13.4	13.6
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	12.5	13.6	13.2	13.2	13.3	10.6	13.5	13.7
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	12.5	13.6	13.2	13.2	13.4	10.6	13.5	13.7
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	12.5	13.6	13.2	13.2	13.3	10.6	13.4	13.7
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	12.4	13.6	13.2	13.2	13.3	10.6	13.4	13.6
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	12.0	14.0	13.7	13.7	13.7	10.2	13.9	14.1
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	11.9	14.0	13.6	13.6	13.7	10.1	13.8	14.1
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	12.0	14.0	13.8	13.7	13.8	10.2	14.0	14.2
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	12.5	13.5	13.2	13.2	13.4	10.6	13.4	13.6
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	12.5	13.6	13.2	13.2	13.3	10.6	13.5	13.7
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	12.5	13.6	13.2	13.2	13.4	10.6	13.5	13.7
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	12.5	13.6	13.2	13.2	13.3	10.6	13.4	13.7
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	12.4	13.6	13.2	13.2	13.3	10.6	13.4	13.6
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	12.0	14.0	13.7	13.7	13.8	10.2	14.0	14.1
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	12.0	14.0	13.7	13.7	13.8	10.2	13.9	14.1
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	12.0	14.0	13.8	13.7	13.8	10.2	14.0	14.1
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	12.5	13.6	13.2	13.2	13.3	10.6	13.4	13.7
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	12.5	13.5	13.2	13.2	13.3	10.6	13.4	13.7
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	12.5	13.5	13.2	13.2	13.3	10.7	13.4	13.7
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	12.5	13.5	13.2	13.2	13.3	10.6	13.4	13.7
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	12.4	13.5	13.2	13.1	13.3	10.6	13.4	13.6
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.5	11.7	11.4	11.3	11.3	10.6	11.5	11.7
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	12.0	14.0	13.7	13.7	13.8	10.2	14.0	14.1
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	12.0	14.0	13.7	13.7	13.8	10.2	13.9	14.1
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	12.0	14.0	13.8	13.7	13.8	10.2	14.0	14.1
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	12.5	13.6	13.2	13.2	13.3	10.6	13.4	13.7
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	12.5	13.5	13.2	13.2	13.3	10.6	13.4	13.7
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	12.5	13.5	13.2	13.2	13.3	10.7	13.4	13.7
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	12.5	13.5	13.2	13.2	13.3	10.6	13.4	13.7
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	12.4	13.5	13.2	13.1	13.3	10.6	13.4	13.6
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.5	11.7	11.4	11.3	11.3	10.6	11.5	11.7

(WLAN2450 Body and WR measured values/Ant2 table continues)

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(WLAN2450 Body and WR measured values/Ant2 table continues)

WLAN 2.4 GHz: 40 MHz channel bandwidth														
SN: 004402740913300						Measured value (dBm)								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data rate [MBPS]	CH 3 (1...5)	CH 4 (2...6)	CH 5 (3...7)	CH 6 (4...8)	CH 7 (5...9)	CH 8 (6...10)	CH 9 (7...11)	CH 10 (8...12)	CH 11 (9...13)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	11.8	12.9	12.7	12.6	12.6	12.5	9.8	12.9	13.1
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	11.9	12.9	12.7	12.6	12.6	12.6	9.9	13.0	13.1
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	11.9	12.9	12.6	12.6	12.6	12.6	9.8	12.9	13.1
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	12.1	12.1	11.9	11.9	11.8	11.8	10.0	12.2	12.3
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	12.1	12.1	11.9	11.9	11.8	11.9	10.1	12.2	12.3
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	12.0	12.1	11.9	11.9	11.8	11.8	10.1	12.2	12.2
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	12.1	12.1	12.0	11.9	11.9	11.8	10.1	12.2	12.3
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	12.1	12.1	11.9	11.9	11.8	11.8	10.0	12.2	12.3
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	11.8	12.9	12.7	12.6	12.6	12.5	9.8	12.9	13.1
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	11.9	12.9	12.7	12.6	12.6	12.6	9.9	13.0	13.1
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	11.9	12.9	12.6	12.6	12.6	12.6	9.8	12.9	13.1
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	12.1	12.1	11.9	11.9	11.8	11.8	10.0	12.2	12.3
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	12.1	12.1	11.9	11.9	11.8	11.9	10.1	12.2	12.3
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	12.0	12.1	11.9	11.9	11.8	11.8	10.1	12.2	12.2
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	12.1	12.1	12.0	11.9	11.9	11.8	10.1	12.2	12.3
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	12.1	12.1	11.9	11.9	11.8	11.8	10.0	12.2	12.3
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	11.6	12.6	12.6	12.6	12.5	12.5	10.1	12.7	12.6
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	11.5	12.6	12.6	12.6	12.6	12.6	10.0	12.7	12.6
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	11.6	12.5	12.6	12.6	12.6	12.6	10.0	12.7	12.6
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	11.8	11.8	11.8	11.8	11.6	11.6	10.4	11.9	11.9
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	11.7	11.9	11.9	11.8	11.6	11.7	10.4	12.0	11.9
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	11.7	11.8	11.8	11.7	11.6	11.6	10.3	11.9	11.8
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	11.7	11.8	11.9	11.7	11.6	11.6	10.4	12.0	11.9
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	11.7	11.8	11.8	11.7	11.6	11.6	10.3	11.8	11.9
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	9.8	9.9	9.8	9.8	9.7	9.7	10.3	10.1	9.9
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	8.9	9.0	8.8	8.5	8.8	8.7	9.3	9.1	8.9
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	11.6	12.6	12.6	12.6	12.5	12.5	10.1	12.7	12.6
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	11.5	12.6	12.6	12.6	12.6	12.6	10.0	12.7	12.6
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	11.6	12.5	12.6	12.6	12.6	12.6	10.0	12.7	12.6
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	11.8	11.8	11.8	11.8	11.6	11.6	10.4	11.9	11.9
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	11.7	11.9	11.9	11.8	11.6	11.7	10.4	12.0	11.9
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	11.7	11.8	11.8	11.7	11.6	11.6	10.3	11.9	11.8
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	11.7	11.8	11.9	11.7	11.6	11.6	10.4	12.0	11.9
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	11.7	11.8	11.8	11.7	11.6	11.6	10.3	11.8	11.9
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	9.8	9.9	9.8	9.8	9.7	9.7	10.3	10.1	9.9
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	8.9	9.0	8.8	8.5	8.8	8.7	9.3	9.1	8.9

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3.6 WLAN5000

Note: Channels 122, 118, 126, 120, 124, 128, 138, 142 and 144 are not operational in US and Canada, those results should be omitted for this filing.

3.6.1 WLAN5000 Head

Averaged tuning targets Head / Antenna 1 & 2 / RM-1104 & RM-1118

RLAN 5 GHz Sub-1 (U-NII-1) / 20 MHz channel bandwidth: TUNING TARGETS									
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						36	40	44	48
802.11a			OFDM	BPSK	6	9.0	9.0	9.0	9.0
802.11a			OFDM	BPSK	9	9.0	9.0	9.0	9.0
802.11a			OFDM	QPSK	12	9.0	9.0	9.0	9.0
802.11a			OFDM	QPSK	18	9.0	9.0	9.0	9.0
802.11a			OFDM	16QAM	24	9.0	9.0	9.0	9.0
802.11a			OFDM	16QAM	36	9.0	9.0	9.0	9.0
802.11a			OFDM	64QAM	48	9.0	9.0	9.0	9.0
802.11a			OFDM	64QAM	54	9.0	9.0	9.0	9.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.0	9.0	9.0	9.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.0	9.0	9.0	9.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.0	9.0	9.0	9.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	9.0	9.0	9.0	9.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	9.0	9.0	9.0	9.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	9.0	9.0	9.0	9.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	9.0	9.0	9.0	9.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	9.0	9.0	9.0	9.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.0	9.0	9.0	9.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.0	9.0	9.0	9.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.0	9.0	9.0	9.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	9.0	9.0	9.0	9.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	9.0	9.0	9.0	9.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	9.0	9.0	9.0	9.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	9.0	9.0	9.0	9.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	9.0	9.0	9.0	9.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.0	9.0	9.0	9.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.0	9.0	9.0	9.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.0	9.0	9.0	9.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	9.0	9.0	9.0	9.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	9.0	9.0	9.0	9.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	9.0	9.0	9.0	9.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	9.0	9.0	9.0	9.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	9.0	9.0	9.0	9.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	9.0	9.0	9.0	9.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.0	9.0	9.0	9.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.0	9.0	9.0	9.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.0	9.0	9.0	9.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	9.0	9.0	9.0	9.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	9.0	9.0	9.0	9.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	9.0	9.0	9.0	9.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	9.0	9.0	9.0	9.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	9.0	9.0	9.0	9.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	9.0	9.0	9.0	9.0

(WLAN5000 Head averaged tuning targets table continues)

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(WLAN5000 Head averaged tuning targets table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 20 MHz channel bandwidth: TUNING TARGETS									
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						52	56	60	64
802.11a			OFDM	BPSK	6	9.0	9.0	9.0	9.0
802.11a			OFDM	BPSK	9	9.0	9.0	9.0	9.0
802.11a			OFDM	QPSK	12	9.0	9.0	9.0	9.0
802.11a			OFDM	QPSK	18	9.0	9.0	9.0	9.0
802.11a			OFDM	16QAM	24	9.0	9.0	9.0	9.0
802.11a			OFDM	16QAM	36	9.0	9.0	9.0	9.0
802.11a			OFDM	64QAM	48	9.0	9.0	9.0	9.0
802.11a			OFDM	64QAM	54	9.0	9.0	9.0	9.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.0	9.0	9.0	9.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.0	9.0	9.0	9.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.0	9.0	9.0	9.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	9.0	9.0	9.0	9.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	9.0	9.0	9.0	9.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	9.0	9.0	9.0	9.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	9.0	9.0	9.0	9.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	9.0	9.0	9.0	9.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.0	9.0	9.0	9.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.0	9.0	9.0	9.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.0	9.0	9.0	9.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	9.0	9.0	9.0	9.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	9.0	9.0	9.0	9.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	9.0	9.0	9.0	9.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	9.0	9.0	9.0	9.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	9.0	9.0	9.0	9.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.0	9.0	9.0	9.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.0	9.0	9.0	9.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.0	9.0	9.0	9.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	9.0	9.0	9.0	9.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	9.0	9.0	9.0	9.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	9.0	9.0	9.0	9.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	9.0	9.0	9.0	9.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	9.0	9.0	9.0	9.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	9.0	9.0	9.0	9.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.0	9.0	9.0	9.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.0	9.0	9.0	9.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.0	9.0	9.0	9.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	9.0	9.0	9.0	9.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	9.0	9.0	9.0	9.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	9.0	9.0	9.0	9.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	9.0	9.0	9.0	9.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	9.0	9.0	9.0	9.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	9.0	9.0	9.0	9.0

(WLAN5000 Head averaged tuning targets table continues)

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(WLAN5000 Head averaged tuning targets table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth: TUNING TARGETS											
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel					
						100	104	108	112	116	120
802.11a			OFDM	BPSK	6	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	BPSK	9	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	QPSK	12	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	QPSK	18	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	16QAM	24	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	16QAM	36	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	64QAM	48	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	64QAM	54	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	9.0	9.0	9.0	9.0	9.0	9.0

(WLAN5000 Head averaged tuning targets table continues)

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(WLAN5000 Head averaged tuning targets table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth: TUNING TARGETS											
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel					
						124	128	132	136	140	144
802.11a			OFDM	BPSK	6	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	BPSK	9	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	QPSK	12	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	QPSK	18	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	16QAM	24	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	16QAM	36	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	64QAM	48	9.0	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	64QAM	54	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	9.0	9.0	9.0	9.0	9.0	9.0

(WLAN5000 Head averaged tuning targets table continues)

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(WLAN5000 Head averaged tuning targets table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 20 MHz channel bandwidth: TUNING TARGETS										
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel				
						149	153	157	161	165
802.11a			OFDM	BPSK	6	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	BPSK	9	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	QPSK	12	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	QPSK	18	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	16QAM	24	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	16QAM	36	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	64QAM	48	9.0	9.0	9.0	9.0	9.0
802.11a			OFDM	64QAM	54	9.0	9.0	9.0	9.0	9.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.0	9.0	9.0	9.0	9.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.0	9.0	9.0	9.0	9.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.0	9.0	9.0	9.0	9.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	9.0	9.0	9.0	9.0	9.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	9.0	9.0	9.0	9.0	9.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	9.0	9.0	9.0	9.0	9.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	9.0	9.0	9.0	9.0	9.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	9.0	9.0	9.0	9.0	9.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.0	9.0	9.0	9.0	9.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.0	9.0	9.0	9.0	9.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.0	9.0	9.0	9.0	9.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	9.0	9.0	9.0	9.0	9.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	9.0	9.0	9.0	9.0	9.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	9.0	9.0	9.0	9.0	9.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	9.0	9.0	9.0	9.0	9.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	9.0	9.0	9.0	9.0	9.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.0	9.0	9.0	9.0	9.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.0	9.0	9.0	9.0	9.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.0	9.0	9.0	9.0	9.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	9.0	9.0	9.0	9.0	9.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	9.0	9.0	9.0	9.0	9.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	9.0	9.0	9.0	9.0	9.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	9.0	9.0	9.0	9.0	9.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	9.0	9.0	9.0	9.0	9.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	9.0	9.0	9.0	9.0	9.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.0	9.0	9.0	9.0	9.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.0	9.0	9.0	9.0	9.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.0	9.0	9.0	9.0	9.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	9.0	9.0	9.0	9.0	9.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	9.0	9.0	9.0	9.0	9.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	9.0	9.0	9.0	9.0	9.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	9.0	9.0	9.0	9.0	9.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	9.0	9.0	9.0	9.0	9.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	9.0	9.0	9.0	9.0	9.0

(WLAN5000 Head averaged tuning targets table continues)

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(WLAN5000 Head averaged tuning targets table continues)

RLAN 5 GHz Sub-1 (U-NII-1) / 40 MHz channel bandwidth: TUNING TARGETS							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	38 (36+40)	46 (44+48)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	**9.0**	**9.0**
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	**9.0**	**9.0**
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	**9.0**	**9.0**
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	**9.0**	**9.0**
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	**9.0**	**9.0**
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	**9.0**	**9.0**
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	**9.0**	**9.0**
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	**9.0**	**9.0**
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	**9.0**	**9.0**
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	**9.0**	**9.0**
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	**9.0**	**9.0**
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	**9.0**	**9.0**
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	**9.0**	**9.0**
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	**9.0**	**9.0**
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	**9.0**	**9.0**
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	**9.0**	**9.0**
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	**9.0**	**9.0**
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	**9.0**	**9.0**
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	**9.0**	**9.0**
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	**9.0**	**9.0**
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	**9.0**	**9.0**
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	**9.0**	**9.0**
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	**9.0**	**9.0**
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	**9.0**	**9.0**
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	**9.0**	**9.0**
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	**9.0**	**9.0**
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	**9.0**	**9.0**
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	**9.0**	**9.0**
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	**9.0**	**9.0**
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	**9.0**	**9.0**
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	**9.0**	**9.0**
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	**9.0**	**9.0**
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	**9.0**	**9.0**
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	**9.0**	**9.0**
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	**9.0**	**9.0**
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	**9.0**	**9.0**

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(WLAN5000 Head averaged tuning targets table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 40 MHz channel bandwidth: TUNING TARGETS							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	54 (52+56)	62 (60+64)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	**9.0**	**9.0**
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	**9.0**	**9.0**
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	**9.0**	**9.0**
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	**9.0**	**9.0**
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	**9.0**	**9.0**
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	**9.0**	**9.0**
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	**9.0**	**9.0**
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	**9.0**	**9.0**
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	**9.0**	**9.0**
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	**9.0**	**9.0**
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	**9.0**	**9.0**
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	**9.0**	**9.0**
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	**9.0**	**9.0**
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	**9.0**	**9.0**
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	**9.0**	**9.0**
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	**9.0**	**9.0**
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	**9.0**	**9.0**
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	**9.0**	**9.0**
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	**9.0**	**9.0**
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	**9.0**	**9.0**
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	**9.0**	**9.0**
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	**9.0**	**9.0**
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	**9.0**	**9.0**
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	**9.0**	**9.0**
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	**9.0**	**9.0**
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	**9.0**	**9.0**
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	**9.0**	**9.0**
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	**9.0**	**9.0**
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	**9.0**	**9.0**
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	**9.0**	**9.0**
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	**9.0**	**9.0**
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	**9.0**	**9.0**
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	**9.0**	**9.0**
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	**9.0**	**9.0**
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	**9.0**	**9.0**
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	**9.0**	**9.0**

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(WLAN5000 Head averaged tuning targets table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 40 MHz channel bandwidth: TUNING TARGETS											
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	102 (100+104)	110 (108+112)	118 (116+120)	126 (124+128)	134 (132+136)	142 (140+144)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	9.0	9.0	9.0	9.0	9.0	9.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	9.0	9.0	9.0	9.0	9.0	9.0

(WLAN5000 Head averaged tuning targets table continues)

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(WLAN5000 Head averaged tuning targets table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 40 MHz channel bandwidth: TUNING TARGETS							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	151 (149+153)	159 (157+161)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	**9.0**	**9.0**
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	**9.0**	**9.0**
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	**9.0**	**9.0**
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	**9.0**	**9.0**
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	**9.0**	**9.0**
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	**9.0**	**9.0**
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	**9.0**	**9.0**
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	**9.0**	**9.0**
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	**9.0**	**9.0**
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	**9.0**	**9.0**
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	**9.0**	**9.0**
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	**9.0**	**9.0**
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	**9.0**	**9.0**
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	**9.0**	**9.0**
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	**9.0**	**9.0**
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	**9.0**	**9.0**
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	**9.0**	**9.0**
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	**9.0**	**9.0**
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	**9.0**	**9.0**
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	**9.0**	**9.0**
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	**9.0**	**9.0**
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	**9.0**	**9.0**
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	**9.0**	**9.0**
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	**9.0**	**9.0**
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	**9.0**	**9.0**
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	**9.0**	**9.0**
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	**9.0**	**9.0**
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	**9.0**	**9.0**
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	**9.0**	**9.0**
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	**9.0**	**9.0**
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	**9.0**	**9.0**
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	**9.0**	**9.0**
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	**9.0**	**9.0**
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	**9.0**	**9.0**
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	**9.0**	**9.0**
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	**9.0**	**9.0**

(WLAN5000 Head averaged tuning targets table continues)

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(WLAN5000 Head averaged tuning targets table continues)

RLAN 5 GHz Sub-1 (U-NII-1) / 80 MHz channel bandwidth: TUNING TARGETS						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	42 (36-48)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**9.0**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**9.0**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**9.0**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**9.0**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**9.0**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**9.0**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**9.0**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**9.0**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**9.0**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**9.0**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**9.0**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**9.0**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**9.0**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**9.0**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**9.0**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**9.0**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**9.0**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**9.0**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**9.0**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**9.0**

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(WLAN5000 Head averaged tuning targets table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 80 MHz channel bandwidth: TUNING TARGETS						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	58 (52-64)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**9.0**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**9.0**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**9.0**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**9.0**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**9.0**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**9.0**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**9.0**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**9.0**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**9.0**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**9.0**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**9.0**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**9.0**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**9.0**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**9.0**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**9.0**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**9.0**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**9.0**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**9.0**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**9.0**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**9.0**

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(WLAN5000 Head averaged tuning targets table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 80 MHz channel bandwidth: TUNING TARGETS								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	106 (100-112)	122 (116-128)	138 (132-144)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**9.0**	**9.0**	**9.0**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**9.0**	**9.0**	**9.0**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**9.0**	**9.0**	**9.0**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**9.0**	**9.0**	**9.0**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**9.0**	**9.0**	**9.0**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**9.0**	**9.0**	**9.0**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**9.0**	**9.0**	**9.0**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**9.0**	**9.0**	**9.0**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**9.0**	**9.0**	**9.0**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**9.0**	**9.0**	**9.0**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**9.0**	**9.0**	**9.0**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**9.0**	**9.0**	**9.0**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**9.0**	**9.0**	**9.0**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**9.0**	**9.0**	**9.0**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**9.0**	**9.0**	**9.0**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**9.0**	**9.0**	**9.0**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**9.0**	**9.0**	**9.0**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**9.0**	**9.0**	**9.0**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**9.0**	**9.0**	**9.0**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**9.0**	**9.0**	**9.0**

(WLAN5000 Head averaged tuning targets table continues)

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(WLAN5000 Head averaged tuning targets table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 80 MHz channel bandwidth: TUNING TARGETS						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	155 (149-161)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**9.0**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**9.0**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**9.0**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**9.0**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**9.0**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**9.0**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**9.0**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**9.0**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**9.0**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**9.0**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**9.0**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**9.0**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**9.0**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**9.0**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**9.0**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**9.0**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**9.0**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**9.0**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**9.0**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**9.0**

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Averaged upper limits for Head / Antenna 1 & 2 / RM-1104 & RM-1118

RLAN 5 GHz Sub-1 (U-NII-1) / 20 MHz channel bandwidth: UPPER LIMITS									
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						36	40	44	48
802.11a			OFDM	BPSK	6	10.5	10.5	10.5	10.5
802.11a			OFDM	BPSK	9	10.5	10.5	10.5	10.5
802.11a			OFDM	QPSK	12	10.5	10.5	10.5	10.5
802.11a			OFDM	QPSK	18	10.5	10.5	10.5	10.5
802.11a			OFDM	16QAM	24	10.5	10.5	10.5	10.5
802.11a			OFDM	16QAM	36	10.5	10.5	10.5	10.5
802.11a			OFDM	64QAM	48	10.5	10.5	10.5	10.5
802.11a			OFDM	64QAM	54	10.5	10.5	10.5	10.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	10.5	10.5	10.5	10.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	10.5	10.5	10.5	10.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	10.5	10.5	10.5	10.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	10.5	10.5	10.5	10.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	10.5	10.5	10.5	10.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	10.5	10.5	10.5	10.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	10.5	10.5	10.5	10.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	10.5	10.5	10.5	10.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	10.5	10.5	10.5	10.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	10.5	10.5	10.5	10.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	10.5	10.5	10.5	10.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	10.5	10.5	10.5	10.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	10.5	10.5	10.5	10.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	10.5	10.5	10.5	10.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	10.5	10.5	10.5	10.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	10.5	10.5	10.5	10.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	10.5	10.5	10.5	10.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	10.5	10.5	10.5	10.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	10.5	10.5	10.5	10.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	10.5	10.5	10.5	10.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	10.5	10.5	10.5	10.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	10.5	10.5	10.5	10.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	10.5	10.5	10.5	10.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	10.5	10.5	10.5	10.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.5	10.5	10.5	10.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	10.5	10.5	10.5	10.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	10.5	10.5	10.5	10.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	10.5	10.5	10.5	10.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	10.5	10.5	10.5	10.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	10.5	10.5	10.5	10.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	10.5	10.5	10.5	10.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	10.5	10.5	10.5	10.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	10.5	10.5	10.5	10.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.5	10.5	10.5	10.5

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(WLAN5000 Head averaged upper limits table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 20 MHz channel bandwidth: UPPER LIMITS									
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						52	56	60	64
802.11a			OFDM	BPSK	6	10.5	10.5	10.5	10.5
802.11a			OFDM	BPSK	9	10.5	10.5	10.5	10.5
802.11a			OFDM	QPSK	12	10.5	10.5	10.5	10.5
802.11a			OFDM	QPSK	18	10.5	10.5	10.5	10.5
802.11a			OFDM	16QAM	24	10.5	10.5	10.5	10.5
802.11a			OFDM	16QAM	36	10.5	10.5	10.5	10.5
802.11a			OFDM	64QAM	48	10.5	10.5	10.5	10.5
802.11a			OFDM	64QAM	54	10.5	10.5	10.5	10.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	10.5	10.5	10.5	10.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	10.5	10.5	10.5	10.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	10.5	10.5	10.5	10.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	10.5	10.5	10.5	10.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	10.5	10.5	10.5	10.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	10.5	10.5	10.5	10.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	10.5	10.5	10.5	10.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	10.5	10.5	10.5	10.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	10.5	10.5	10.5	10.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	10.5	10.5	10.5	10.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	10.5	10.5	10.5	10.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	10.5	10.5	10.5	10.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	10.5	10.5	10.5	10.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	10.5	10.5	10.5	10.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	10.5	10.5	10.5	10.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	10.5	10.5	10.5	10.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	10.5	10.5	10.5	10.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	10.5	10.5	10.5	10.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	10.5	10.5	10.5	10.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	10.5	10.5	10.5	10.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	10.5	10.5	10.5	10.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	10.5	10.5	10.5	10.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	10.5	10.5	10.5	10.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	10.5	10.5	10.5	10.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.5	10.5	10.5	10.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	10.5	10.5	10.5	10.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	10.5	10.5	10.5	10.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	10.5	10.5	10.5	10.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	10.5	10.5	10.5	10.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	10.5	10.5	10.5	10.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	10.5	10.5	10.5	10.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	10.5	10.5	10.5	10.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	10.5	10.5	10.5	10.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.5	10.5	10.5	10.5

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RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth: UPPER LIMITS												
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel						
						100	104	108	112	116	120	
802.11a			OFDM	BPSK	6	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	BPSK	9	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	QPSK	12	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	QPSK	18	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	16QAM	24	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	16QAM	36	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	64QAM	48	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	64QAM	54	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.5	10.5	10.5	10.5	10.5	10.5	

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(WLAN5000 Head averaged upper limits table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth: UPPER LIMITS												
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel						
						124	128	132	136	140	144	
802.11a			OFDM	BPSK	6	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	BPSK	9	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	QPSK	12	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	QPSK	18	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	16QAM	24	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	16QAM	36	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	64QAM	48	10.5	10.5	10.5	10.5	10.5	10.5	
802.11a			OFDM	64QAM	54	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	10.5	10.5	10.5	10.5	10.5	10.5	
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	10.5	10.5	10.5	10.5	10.5	10.5	
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.5	10.5	10.5	10.5	10.5	10.5	

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RLAN 5 GHz Sub-4 (U-NII-3) / 20 MHz channel bandwidth: UPPER LIMITS										
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel				
						149	153	157	161	165
802.11a			OFDM	BPSK	6	10.5	10.5	10.5	10.5	10.5
802.11a			OFDM	BPSK	9	10.5	10.5	10.5	10.5	10.5
802.11a			OFDM	QPSK	12	10.5	10.5	10.5	10.5	10.5
802.11a			OFDM	QPSK	18	10.5	10.5	10.5	10.5	10.5
802.11a			OFDM	16QAM	24	10.5	10.5	10.5	10.5	10.5
802.11a			OFDM	16QAM	36	10.5	10.5	10.5	10.5	10.5
802.11a			OFDM	64QAM	48	10.5	10.5	10.5	10.5	10.5
802.11a			OFDM	64QAM	54	10.5	10.5	10.5	10.5	10.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	10.5	10.5	10.5	10.5	10.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	10.5	10.5	10.5	10.5	10.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	10.5	10.5	10.5	10.5	10.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	10.5	10.5	10.5	10.5	10.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	10.5	10.5	10.5	10.5	10.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	10.5	10.5	10.5	10.5	10.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	10.5	10.5	10.5	10.5	10.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	10.5	10.5	10.5	10.5	10.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	10.5	10.5	10.5	10.5	10.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	10.5	10.5	10.5	10.5	10.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	10.5	10.5	10.5	10.5	10.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	10.5	10.5	10.5	10.5	10.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	10.5	10.5	10.5	10.5	10.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	10.5	10.5	10.5	10.5	10.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	10.5	10.5	10.5	10.5	10.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	10.5	10.5	10.5	10.5	10.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	10.5	10.5	10.5	10.5	10.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	10.5	10.5	10.5	10.5	10.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	10.5	10.5	10.5	10.5	10.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	10.5	10.5	10.5	10.5	10.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	10.5	10.5	10.5	10.5	10.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	10.5	10.5	10.5	10.5	10.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	10.5	10.5	10.5	10.5	10.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	10.5	10.5	10.5	10.5	10.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.5	10.5	10.5	10.5	10.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	10.5	10.5	10.5	10.5	10.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	10.5	10.5	10.5	10.5	10.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	10.5	10.5	10.5	10.5	10.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	10.5	10.5	10.5	10.5	10.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	10.5	10.5	10.5	10.5	10.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	10.5	10.5	10.5	10.5	10.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	10.5	10.5	10.5	10.5	10.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	10.5	10.5	10.5	10.5	10.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.5	10.5	10.5	10.5	10.5

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RLAN 5 GHz Sub-1 (U-NII-1) / 40 MHz channel bandwidth: UPPER LIMITS							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	38 (36+40)	46 (44+48)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	10.5	10.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	10.5	10.5
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	10.5	10.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	10.5	10.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	10.5	10.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	10.5	10.5
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	10.5	10.5
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	10.5	10.5
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	10.5	10.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	10.5	10.5
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	10.5	10.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	10.5	10.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	10.5	10.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	10.5	10.5
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	10.5	10.5
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	10.5	10.5
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	10.5	10.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	10.5	10.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	10.5	10.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	10.5	10.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	10.5	10.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	10.5	10.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	10.5	10.5
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	10.5	10.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.5	10.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.5	10.5
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	10.5	10.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	10.5	10.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	10.5	10.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	10.5	10.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	10.5	10.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	10.5	10.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	10.5	10.5
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	10.5	10.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.5	10.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.5	10.5

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RLAN 5 GHz Sub-2 (U-NII-2A) / 40 MHz channel bandwidth: UPPER LIMITS							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	54 (52+56)	62 (60+64)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	**10.5**	**10.5**
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	**10.5**	**10.5**
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	**10.5**	**10.5**
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	**10.5**	**10.5**
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	**10.5**	**10.5**
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	**10.5**	**10.5**
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	**10.5**	**10.5**
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	**10.5**	**10.5**
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	**10.5**	**10.5**
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	**10.5**	**10.5**
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	**10.5**	**10.5**
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	**10.5**	**10.5**
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	**10.5**	**10.5**
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	**10.5**	**10.5**
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	**10.5**	**10.5**
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	**10.5**	**10.5**
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	**10.5**	**10.5**
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	**10.5**	**10.5**
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	**10.5**	**10.5**
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	**10.5**	**10.5**
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	**10.5**	**10.5**
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	**10.5**	**10.5**
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	**10.5**	**10.5**
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	**10.5**	**10.5**
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	**10.5**	**10.5**
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	**10.5**	**10.5**
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	**10.5**	**10.5**
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	**10.5**	**10.5**
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	**10.5**	**10.5**
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	**10.5**	**10.5**
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	**10.5**	**10.5**
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	**10.5**	**10.5**
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	**10.5**	**10.5**
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	**10.5**	**10.5**
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	**10.5**	**10.5**
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	**10.5**	**10.5**

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RLAN 5 GHz Sub-3 (U-NII-2C) / 40 MHz channel bandwidth: UPPER LIMITS											
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	102 (100+104)	110 (108+112)	118 (116+120)	126 (124+128)	134 (132+136)	142 (140+144)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.5	10.5	10.5	10.5	10.5	10.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.5	10.5	10.5	10.5	10.5	10.5

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RLAN 5 GHz Sub-4 (U-NII-3) / 40 MHz channel bandwidth: UPPER LIMITS							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	151 (149+153)	159 (157+161)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	**10.5**	**10.5**
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	**10.5**	**10.5**
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	**10.5**	**10.5**
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	**10.5**	**10.5**
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	**10.5**	**10.5**
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	**10.5**	**10.5**
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	**10.5**	**10.5**
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	**10.5**	**10.5**
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	**10.5**	**10.5**
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	**10.5**	**10.5**
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	**10.5**	**10.5**
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	**10.5**	**10.5**
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	**10.5**	**10.5**
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	**10.5**	**10.5**
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	**10.5**	**10.5**
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	**10.5**	**10.5**
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	**10.5**	**10.5**
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	**10.5**	**10.5**
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	**10.5**	**10.5**
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	**10.5**	**10.5**
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	**10.5**	**10.5**
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	**10.5**	**10.5**
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	**10.5**	**10.5**
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	**10.5**	**10.5**
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	**10.5**	**10.5**
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	**10.5**	**10.5**
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	**10.5**	**10.5**
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	**10.5**	**10.5**
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	**10.5**	**10.5**
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	**10.5**	**10.5**
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	**10.5**	**10.5**
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	**10.5**	**10.5**
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	**10.5**	**10.5**
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	**10.5**	**10.5**
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	**10.5**	**10.5**
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	**10.5**	**10.5**

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RLAN 5 GHz Sub-1 (U-NII-1) / 80 MHz channel bandwidth: UPPER LIMITS						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	42 (36-48)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**10.5**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**10.5**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**10.5**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**10.5**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**10.5**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**10.5**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**10.5**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**10.5**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**10.5**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**10.5**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**10.5**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**10.5**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**10.5**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**10.5**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**10.5**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**10.5**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**10.5**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**10.5**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**10.5**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**10.5**

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RLAN 5 GHz Sub-2 (U-NII-2A) / 80 MHz channel bandwidth: UPPER LIMITS						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	58 (52-64)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**10.5**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**10.5**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**10.5**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**10.5**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**10.5**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**10.5**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**10.5**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**10.5**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**10.5**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**10.5**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**10.5**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**10.5**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**10.5**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**10.5**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**10.5**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**10.5**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**10.5**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**10.5**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**10.5**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**10.5**

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RLAN 5 GHz Sub-3 (U-NII-2C) / 80 MHz channel bandwidth: UPPER LIMITS								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	106 (100-112)	122 (116-128)	138 (132-144)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**10.5**	**10.5**	**10.5**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**10.5**	**10.5**	**10.5**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**10.5**	**10.5**	**10.5**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**10.5**	**10.5**	**10.5**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**10.5**	**10.5**	**10.5**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**10.5**	**10.5**	**10.5**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**10.5**	**10.5**	**10.5**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**10.5**	**10.5**	**10.5**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**10.5**	**10.5**	**10.5**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**10.5**	**10.5**	**10.5**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**10.5**	**10.5**	**10.5**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**10.5**	**10.5**	**10.5**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**10.5**	**10.5**	**10.5**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**10.5**	**10.5**	**10.5**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**10.5**	**10.5**	**10.5**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**10.5**	**10.5**	**10.5**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**10.5**	**10.5**	**10.5**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**10.5**	**10.5**	**10.5**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**10.5**	**10.5**	**10.5**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**10.5**	**10.5**	**10.5**

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(WLAN5000 Head averaged upper limits table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 80 MHz channel bandwidth: UPPER LIMITS						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	155 (149-161)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**10.5**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**10.5**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**10.5**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**10.5**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**10.5**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**10.5**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**10.5**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**10.5**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**10.5**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**10.5**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**10.5**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**10.5**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**10.5**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**10.5**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**10.5**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**10.5**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**10.5**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**10.5**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**10.5**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**10.5**

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Averaged measured conducted output powers for Head / Antenna 1 & 2 / RM-1104

RLAN 5 GHz Sub-1 (U-NII-1) / 20 MHz channel bandwidth									
SN: 004402742179033				MEASURED VALUES					
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						36	40	44	48
802.11a			OFDM	BPSK	6	9.9	9.9	9.9	9.9
802.11a			OFDM	BPSK	9	9.8	9.9	9.8	9.8
802.11a			OFDM	QPSK	12	9.8	9.8	9.8	9.8
802.11a			OFDM	QPSK	18	9.9	9.9	9.9	9.9
802.11a			OFDM	16QAM	24	10.2	10.2	10.2	10.2
802.11a			OFDM	16QAM	36	10.1	10.1	10.1	10.1
802.11a			OFDM	64QAM	48	10.2	10.2	10.2	10.2
802.11a			OFDM	64QAM	54	10.1	10.1	10.1	10.1
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.7	9.7	9.7	9.7
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.6	9.6	9.6	9.6
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.7	9.8	9.7	9.7
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	10.2	10.2	10.2	10.2
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	10.2	10.2	10.2	10.2
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	10.1	10.2	10.2	10.1
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	10.2	10.2	10.2	10.2
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	10.2	10.2	10.2	10.2
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.7	9.7	9.7	9.7
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.6	9.6	9.6	9.6
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.7	9.8	9.7	9.7
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	10.2	10.2	10.2	10.2
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	10.2	10.2	10.2	10.2
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	10.1	10.2	10.2	10.1
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	10.2	10.2	10.2	10.2
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	10.2	10.2	10.2	10.2
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.7	9.7	9.7	9.7
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.7	9.7	9.6	9.7
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.7	9.7	9.7	9.7
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	10.2	10.2	10.1	10.1
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	10.1	10.1	10.1	10.1
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	10.1	10.2	10.2	10.2
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	10.2	10.2	10.2	10.2
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	10.1	10.1	10.1	10.1
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.2	10.1	10.2	10.1
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.7	9.7	9.7	9.7
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.7	9.7	9.6	9.7
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.7	9.7	9.7	9.7
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	10.2	10.2	10.1	10.1
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	10.1	10.1	10.1	10.1
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	10.1	10.2	10.2	10.2
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	10.2	10.2	10.2	10.2
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	10.1	10.1	10.1	10.1
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.2	10.1	10.2	10.1

(WLAN5000 Head averaged measured values table continues)

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(WLAN5000 Head averaged measured values table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 20 MHz channel bandwidth									
SN: 004402742179033				MEASURED VALUES					
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						52	56	60	64
802.11a			OFDM	BPSK	6	9.7	9.7	9.9	9.9
802.11a			OFDM	BPSK	9	9.7	9.7	9.8	9.8
802.11a			OFDM	QPSK	12	9.7	9.7	9.8	9.8
802.11a			OFDM	QPSK	18	9.8	9.8	9.9	9.9
802.11a			OFDM	16QAM	24	10.0	10.0	10.2	10.2
802.11a			OFDM	16QAM	36	10.0	10.0	10.1	10.1
802.11a			OFDM	64QAM	48	10.0	10.0	10.1	10.1
802.11a			OFDM	64QAM	54	10.0	10.0	10.1	10.1
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.5	9.6	9.7	9.7
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.5	9.5	9.6	9.4
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.6	9.6	9.7	9.7
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	10.0	10.0	10.2	10.2
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	10.0	10.0	10.1	10.1
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	10.1	10.1	10.2	10.2
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	10.1	10.0	10.2	10.2
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	10.0	10.0	10.1	10.1
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.5	9.6	9.7	9.7
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.5	9.5	9.6	9.4
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.6	9.6	9.7	9.7
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	10.0	10.0	10.2	10.2
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	10.0	10.0	10.1	10.1
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	10.1	10.1	10.2	10.2
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	10.1	10.0	10.2	10.2
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	10.0	10.0	10.1	10.1
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.6	9.6	9.7	9.7
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.5	9.5	9.7	9.6
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.6	9.6	9.7	9.7
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	10.0	10.0	10.1	10.1
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	10.0	10.0	10.1	10.1
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	10.0	10.0	10.2	10.2
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	10.0	10.0	10.1	10.1
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	10.0	10.0	10.1	10.1
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.0	10.0	10.1	10.1
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.6	9.6	9.7	9.7
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.5	9.5	9.7	9.6
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.6	9.6	9.7	9.7
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	10.0	10.0	10.1	10.1
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	10.0	10.0	10.1	10.1
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	10.0	10.0	10.2	10.2
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	10.0	10.0	10.1	10.1
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	10.0	10.0	10.1	10.1
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.0	10.0	10.1	10.1

(WLAN5000 Head averaged measured values table continues)

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(WLAN5000 Head averaged measured values table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth											
SN: 004402742179033				MEASURED VALUES							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel					
						100	104	108	112	116	120
802.11a			OFDM	BPSK	6	9.9	9.8	9.8	9.8	9.7	9.8
802.11a			OFDM	BPSK	9	9.8	9.8	9.7	9.7	9.7	9.7
802.11a			OFDM	QPSK	12	9.8	9.7	9.7	9.7	9.7	9.7
802.11a			OFDM	QPSK	18	9.9	9.9	9.8	9.8	9.8	9.8
802.11a			OFDM	16QAM	24	10.1	10.1	10.0	10.0	10.0	10.1
802.11a			OFDM	16QAM	36	10.1	10.1	10.0	10.0	10.0	10.0
802.11a			OFDM	64QAM	48	10.1	10.1	10.0	10.0	10.0	10.0
802.11a			OFDM	64QAM	54	10.1	10.1	10.0	10.0	10.0	10.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.6	9.6	9.6	9.6	9.5	9.6
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.6	9.5	9.5	9.5	9.5	9.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.7	9.7	9.6	9.6	9.6	9.6
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	10.1	10.1	10.0	10.0	10.0	10.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	10.1	10.1	10.1	10.0	10.0	10.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	10.1	10.1	10.1	10.0	10.0	10.1
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	10.1	10.1	10.1	10.0	10.0	10.1
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	10.1	10.1	10.0	10.0	10.0	10.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.6	9.6	9.6	9.6	9.5	9.6
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.6	9.5	9.5	9.5	9.5	9.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.7	9.7	9.6	9.6	9.6	9.6
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	10.1	10.1	10.0	10.0	10.0	10.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	10.1	10.1	10.1	10.0	10.0	10.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	10.1	10.1	10.1	10.0	10.0	10.1
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	10.1	10.1	10.1	10.0	10.0	10.1
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	10.1	10.1	10.0	10.0	10.0	10.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.7	9.6	9.6	9.6	9.6	9.6
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.6	9.6	9.6	9.5	9.5	9.6
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.7	9.6	9.6	9.6	9.6	9.6
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	10.1	10.1	10.0	10.0	10.0	10.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	10.1	10.1	10.1	10.0	10.0	10.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	10.1	10.1	10.0	10.0	10.0	10.1
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	10.1	10.1	10.1	10.0	10.0	10.1
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	10.1	10.1	10.0	10.0	10.0	10.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.1	10.1	10.0	10.0	10.0	10.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.7	9.6	9.6	9.6	9.6	9.6
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.6	9.6	9.6	9.5	9.5	9.6
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.7	9.6	9.6	9.6	9.6	9.6
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	10.1	10.1	10.0	10.0	10.0	10.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	10.1	10.1	10.1	10.0	10.0	10.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	10.1	10.1	10.0	10.0	10.0	10.1
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	10.1	10.1	10.1	10.0	10.0	10.1
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	10.1	10.1	10.0	10.0	10.0	10.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.1	10.1	10.0	10.0	10.0	10.0

(WLAN5000 Head averaged measured values table continues)

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(WLAN5000 Head averaged measured values table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth											
SN: 004402742179033				MEASURED VALUES							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel					
						124	128	132	136	140	144
802.11a			OFDM	BPSK	6	9.7	9.7	9.7	9.6	9.6	9.6
802.11a			OFDM	BPSK	9	9.7	9.6	9.6	9.6	9.6	9.5
802.11a			OFDM	QPSK	12	9.7	9.6	9.6	9.6	9.6	9.5
802.11a			OFDM	QPSK	18	9.8	9.7	9.7	9.7	9.7	9.6
802.11a			OFDM	16QAM	24	10.0	10.0	10.0	9.9	9.9	9.9
802.11a			OFDM	16QAM	36	10.0	9.9	9.9	9.8	9.8	9.8
802.11a			OFDM	64QAM	48	10.1	10.0	9.9	9.9	9.9	9.8
802.11a			OFDM	64QAM	54	10.0	9.9	9.9	9.9	9.9	9.8
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.6	9.5	9.5	9.4	9.4	9.4
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.5	9.4	9.4	9.3	9.4	9.3
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.6	9.5	9.5	9.4	9.4	9.4
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	10.0	10.0	9.9	9.9	9.9	9.9
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	10.0	10.0	9.9	9.9	9.9	9.9
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	10.0	10.0	10.0	9.9	9.9	9.9
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	10.1	10.0	10.0	9.9	9.9	9.8
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	10.0	9.9	9.9	9.9	9.9	9.8
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.6	9.5	9.5	9.4	9.4	9.4
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.5	9.4	9.4	9.3	9.4	9.3
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.6	9.5	9.5	9.4	9.4	9.4
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	10.0	10.0	9.9	9.9	9.9	9.9
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	10.0	10.0	9.9	9.9	9.9	9.9
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	10.0	10.0	10.0	9.9	9.9	9.9
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	10.1	10.0	10.0	9.9	9.9	9.8
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	10.0	9.9	9.9	9.9	9.9	9.8
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.5	9.5	9.5	9.4	9.4	9.4
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.6	9.5	9.4	9.4	9.4	9.4
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.6	9.5	9.5	9.4	9.4	9.4
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	10.0	10.0	9.9	9.9	9.9	9.8
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	10.0	10.0	9.9	9.9	9.9	9.8
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	10.0	10.0	9.9	9.9	9.9	9.8
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	10.0	9.9	9.9	9.9	9.9	9.9
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	10.0	9.9	9.9	9.8	9.9	9.8
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.0	10.0	9.9	9.8	9.9	9.8
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.5	9.5	9.5	9.4	9.4	9.4
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.6	9.5	9.4	9.4	9.4	9.4
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.6	9.5	9.5	9.4	9.4	9.4
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	10.0	10.0	9.9	9.9	9.9	9.8
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	10.0	10.0	9.9	9.9	9.9	9.8
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	10.0	10.0	9.9	9.9	9.9	9.8
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	10.0	9.9	9.9	9.9	9.9	9.9
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	10.0	9.9	9.9	9.8	9.9	9.8
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.0	10.0	9.9	9.8	9.9	9.8

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RLAN 5 GHz Sub-4 (U-NII-3) / 20 MHz channel bandwidth										
SN: 004402742179033				MEASURED VALUES						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel				
						149	153	157	161	165
802.11a			OFDM	BPSK	6	9.7	9.8	9.7	9.7	9.7
802.11a			OFDM	BPSK	9	9.6	9.7	9.6	9.7	9.7
802.11a			OFDM	QPSK	12	9.6	9.7	9.6	9.7	9.6
802.11a			OFDM	QPSK	18	9.7	9.8	9.8	9.8	9.8
802.11a			OFDM	16QAM	24	9.9	10.0	10.0	10.0	10.0
802.11a			OFDM	16QAM	36	9.9	10.0	9.9	10.0	9.9
802.11a			OFDM	64QAM	48	9.9	10.0	10.0	10.0	10.0
802.11a			OFDM	64QAM	54	9.9	10.0	9.9	10.0	9.9
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.5	9.5	9.5	9.6	9.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.4	9.5	9.4	9.5	9.4
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.5	9.6	9.5	9.6	9.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	10.0	10.0	10.0	10.0	10.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	10.0	10.0	10.0	10.0	10.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	10.0	10.0	10.0	10.0	10.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	10.0	10.0	10.0	10.0	10.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	10.0	10.0	10.0	10.0	10.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.5	9.5	9.5	9.6	9.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.4	9.5	9.4	9.5	9.4
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.5	9.6	9.5	9.6	9.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	10.0	10.0	10.0	10.0	10.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	10.0	10.0	10.0	10.0	10.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	10.0	10.0	10.0	10.0	10.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	10.0	10.0	10.0	10.0	10.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	10.0	10.0	10.0	10.0	10.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.5	9.6	9.6	9.6	9.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.5	9.5	9.5	9.5	9.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.5	9.6	9.5	9.6	9.6
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	9.9	10.0	9.9	10.0	10.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	9.9	10.0	10.0	10.0	10.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	10.0	10.0	9.9	10.0	10.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	10.0	10.0	10.0	10.0	10.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	9.9	9.9	9.9	10.0	9.9
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	9.9	10.0	10.0	10.0	10.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.5	9.6	9.6	9.6	9.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.5	9.5	9.5	9.5	9.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.5	9.6	9.5	9.6	9.6
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	9.9	10.0	9.9	10.0	10.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	9.9	10.0	10.0	10.0	10.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	10.0	10.0	9.9	10.0	10.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	10.0	10.0	10.0	10.0	10.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	9.9	9.9	9.9	10.0	9.9
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	9.9	10.0	10.0	10.0	10.0

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RLAN 5 GHz Sub-1 (U-NII-1) / 40 MHz channel bandwidth							
SN: 004402742179033				MEASURED VALUES			
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	38 (36+40)	46 (44+48)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	10.0	10.1
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	10.1	10.1
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	10.1	10.1
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	10.2	10.2
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	10.2	10.3
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	10.2	10.2
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	10.2	10.3
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	10.2	10.2
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	10.0	10.1
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	10.1	10.1
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	10.1	10.1
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	10.2	10.2
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	10.2	10.3
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	10.2	10.2
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	10.2	10.3
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	10.2	10.2
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	10.0	10.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	10.0	10.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	10.0	10.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	10.2	10.2
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	10.2	10.2
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	10.2	10.2
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	10.2	10.2
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	10.2	10.2
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.2	10.3
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.2	10.2
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	10.0	10.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	10.0	10.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	10.0	10.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	10.2	10.2
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	10.2	10.2
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	10.2	10.2
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	10.2	10.2
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	10.2	10.2
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.2	10.3
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.2	10.2

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RLAN 5 GHz Sub-2 (U-NII-2A) / 40 MHz channel bandwidth							
SN: 004402742179033				MEASURED VALUES			
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	54 (52+56)	62 (60+64)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	9.9	10.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	10.0	10.1
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	9.9	10.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	10.1	10.2
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	10.1	10.2
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	10.1	10.2
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	10.1	10.2
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	10.0	10.2
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	9.9	10.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	10.0	10.1
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	9.9	10.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	10.1	10.2
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	10.1	10.2
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	10.1	10.2
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	10.1	10.2
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	10.0	10.2
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	9.9	10.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	9.8	9.9
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	9.9	10.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	10.0	10.2
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	10.1	10.2
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	10.0	10.2
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	10.0	10.2
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	10.0	10.2
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.1	10.2
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.0	10.1
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	9.9	10.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	9.8	9.9
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	9.9	10.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	10.0	10.2
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	10.1	10.2
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	10.0	10.2
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	10.0	10.2
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	10.0	10.2
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.1	10.2
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.0	10.1

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RLAN 5 GHz Sub-3 (U-NII-2C) / 40 MHz channel bandwidth											
SN: 004402742179033				MEASURED VALUES							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	102 (100+104)	110 (108+112)	118 (116+120)	126 (124+128)	134 (132+136)	142 (140+144)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	10.0	9.9	9.9	9.9	9.8	9.9
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	10.0	10.0	9.9	10.0	9.8	9.9
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	10.0	9.9	9.9	9.9	9.8	9.9
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	10.1	10.1	10.0	10.0	10.0	10.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	10.2	10.1	10.1	10.1	10.0	10.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	10.2	10.1	10.1	10.1	10.0	10.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	10.2	10.1	10.1	10.0	10.0	10.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	10.2	10.1	10.0	10.0	9.9	10.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	10.0	9.9	9.9	9.9	9.8	9.9
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	10.0	10.0	9.9	10.0	9.8	9.9
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	10.0	9.9	9.9	9.9	9.8	9.9
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	10.1	10.1	10.0	10.0	10.0	10.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	10.2	10.1	10.1	10.1	10.0	10.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	10.2	10.1	10.1	10.1	10.0	10.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	10.2	10.1	10.1	10.0	10.0	10.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	10.2	10.1	10.0	10.0	9.9	10.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	9.9	9.9	9.9	9.8	9.8	9.8
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	9.9	9.8	9.8	9.8	9.7	9.8
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	9.9	9.9	9.8	9.8	9.8	9.8
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	10.1	10.1	10.0	10.0	9.9	10.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	10.2	10.1	10.1	10.1	10.0	10.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	10.2	10.1	10.1	10.1	10.0	10.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	10.1	10.0	10.0	10.0	10.0	10.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	10.2	10.1	10.1	10.0	9.9	10.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.1	10.1	10.1	10.1	10.0	10.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.1	10.0	10.0	10.0	9.9	10.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	9.9	9.9	9.9	9.8	9.8	9.8
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	9.9	9.8	9.8	9.8	9.7	9.8
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	9.9	9.9	9.8	9.8	9.8	9.8
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	10.1	10.1	10.0	10.0	9.9	10.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	10.2	10.1	10.1	10.1	10.0	10.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	10.2	10.1	10.1	10.1	10.0	10.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	10.1	10.0	10.0	10.0	10.0	10.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	10.2	10.1	10.1	10.0	9.9	10.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.1	10.1	10.1	10.1	10.0	10.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.1	10.0	10.0	10.0	9.9	10.0

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RLAN 5 GHz Sub-4 (U-NII-3) / 40 MHz channel bandwidth							
SN: 004402742179033				MEASURED VALUES			
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	151 (149+153)	159 (157+161)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	9.8	9.9
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	9.9	10.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	9.8	10.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	10.0	10.1
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	10.0	10.1
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	10.0	10.1
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	10.0	10.1
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	10.0	10.1
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	9.8	9.9
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	9.9	10.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	9.8	10.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	10.0	10.1
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	10.0	10.1
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	10.0	10.1
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	10.0	10.1
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	10.0	10.1
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	9.8	9.9
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	9.7	9.7
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	9.8	9.8
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	10.0	10.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	10.0	10.1
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	10.0	10.1
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	10.0	10.1
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	10.0	10.1
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.0	10.1
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.0	10.1
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	9.8	9.9
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	9.7	9.7
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	9.8	9.8
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	10.0	10.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	10.0	10.1
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	10.0	10.1
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	10.0	10.1
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	10.0	10.1
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.0	10.1
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.0	10.1

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RLAN 5 GHz Sub-1 (U-NII-1) / 80 MHz channel bandwidth						
SN: 004402742179033				**MEASURED VALUES**		
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	42 (36-48)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	9.9
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	9.9
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	9.9
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	10.2
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	10.2
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	10.2
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	10.2
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	10.2
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	10.2
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	10.2
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	9.9
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	9.9
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	9.9
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	10.2
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	10.2
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	10.2
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	10.2
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	10.2
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	10.2
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	10.2

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(WLAN5000 Head averaged measured values table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 80 MHz channel bandwidth						
SN: 004402742179033				**MEASURED VALUES**		
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	58 (52-64)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	9.8
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	9.8
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	9.7
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	10.0
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	10.0
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	10.1
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	10.1
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	10.1
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	10.1
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	10.2
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	9.8
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	9.8
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	9.7
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	10.0
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	10.0
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	10.1
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	10.1
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	10.1
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	10.1
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	10.2

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RLAN 5 GHz Sub-3 (U-NII-2C) / 80 MHz channel bandwidth								
SN: 004402742179033				MEASURED VALUES				
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	106 (100-112)	122 (116-128)	138 (132-144)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	9.8	9.8	9.6
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	9.8	9.8	9.6
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	9.8	9.7	9.6
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	10.1	10.1	9.9
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	10.1	10.0	9.9
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	10.1	10.1	9.9
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	10.2	10.1	9.9
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	10.1	10.1	10.0
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	10.1	10.1	10.0
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	10.1	10.1	10.0
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	9.8	9.8	9.6
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	9.8	9.8	9.6
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	9.8	9.7	9.6
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	10.1	10.1	9.9
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	10.1	10.0	9.9
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	10.1	10.1	9.9
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	10.2	10.1	9.9
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	10.1	10.1	10.0
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	10.1	10.1	10.0
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	10.1	10.1	10.0

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RLAN 5 GHz Sub-4 (U-NII-3) / 80 MHz channel bandwidth						
SN: 004402742179033				MEASURED VALUES		
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	155 (149-161)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	9.8
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	9.8
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	9.8
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	10.1
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	10.0
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	10.0
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	10.0
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	10.0
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	10.1
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	10.1
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	9.8
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	9.8
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	9.8
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	10.1
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	10.0
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	10.0
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	10.0
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	10.0
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	10.1
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	10.1

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Averaged measured conducted output powers for Head / Antenna 1 & 2 / RM-1118

RLAN 5 GHz Sub-1 (U-NII-1) / 20 MHz channel bandwidth									
SN: 004402740913300				MEASURED VALUES					
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						36	40	44	48
802.11a			OFDM	BPSK	6	9.5	9.5	9.5	9.5
802.11a			OFDM	BPSK	9	9.4	9.5	9.5	9.5
802.11a			OFDM	QPSK	12	9.4	9.5	9.5	9.5
802.11a			OFDM	QPSK	18	9.6	9.6	9.6	9.6
802.11a			OFDM	16QAM	24	9.8	9.8	9.8	9.8
802.11a			OFDM	16QAM	36	9.8	9.8	9.8	9.8
802.11a			OFDM	64QAM	48	9.8	9.8	9.8	9.8
802.11a			OFDM	64QAM	54	9.8	9.8	9.8	9.8
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.3	9.4	9.3	9.4
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.3	9.3	9.3	9.3
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.4	9.4	9.4	9.4
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	9.8	9.8	9.8	9.8
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	9.8	9.8	9.8	9.8
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	9.8	9.8	9.8	9.8
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	9.8	9.8	9.8	9.8
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	9.8	9.8	9.8	9.8
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.3	9.4	9.3	9.4
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.3	9.3	9.3	9.3
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.4	9.4	9.4	9.4
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	9.8	9.8	9.8	9.8
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	9.8	9.8	9.8	9.8
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	9.8	9.8	9.8	9.8
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	9.8	9.8	9.8	9.8
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	9.8	9.8	9.8	9.8
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.3	9.4	9.4	9.4
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.3	9.3	9.3	9.3
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.4	9.4	9.4	9.4
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	9.8	9.8	9.8	9.8
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	9.8	9.8	9.8	9.8
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	9.8	9.8	9.8	9.8
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	9.8	9.8	9.8	9.8
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	9.8	9.8	9.8	9.8
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	9.8	9.8	9.8	9.8
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.3	9.4	9.4	9.4
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.3	9.3	9.3	9.3
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.4	9.4	9.4	9.4
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	9.8	9.8	9.8	9.8
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	9.8	9.8	9.8	9.8
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	9.8	9.8	9.8	9.8
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	9.8	9.8	9.8	9.8
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	9.8	9.8	9.8	9.8
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	9.8	9.8	9.8	9.8

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(WLAN5000 Head averaged measured values table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 20 MHz channel bandwidth									
SN: 004402740913300				MEASURED VALUES					
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						52	56	60	64
802.11a			OFDM	BPSK	6	9.4	9.4	9.5	9.5
802.11a			OFDM	BPSK	9	9.3	9.3	9.5	9.5
802.11a			OFDM	QPSK	12	9.3	9.3	9.5	9.5
802.11a			OFDM	QPSK	18	9.4	9.5	9.6	9.6
802.11a			OFDM	16QAM	24	9.7	9.7	9.8	9.8
802.11a			OFDM	16QAM	36	9.6	9.6	9.8	9.8
802.11a			OFDM	64QAM	48	9.7	9.7	9.8	9.8
802.11a			OFDM	64QAM	54	9.6	9.6	9.8	9.8
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.2	9.2	9.3	9.3
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.1	9.1	9.3	9.3
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.2	9.2	9.4	9.4
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	9.7	9.7	9.9	9.8
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	9.7	9.7	9.8	9.8
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	9.7	9.7	9.8	9.8
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	9.7	9.7	9.8	9.8
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	9.7	9.7	9.8	9.8
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.2	9.2	9.3	9.3
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.1	9.1	9.3	9.3
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.2	9.2	9.4	9.4
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	9.7	9.7	9.9	9.8
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	9.7	9.7	9.8	9.8
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	9.7	9.7	9.8	9.8
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	9.7	9.7	9.8	9.8
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	9.7	9.7	9.8	9.8
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.2	9.2	9.4	9.4
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.2	9.2	9.3	9.3
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.3	9.2	9.4	9.4
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	9.7	9.7	9.8	9.8
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	9.7	9.6	9.8	9.8
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	9.7	9.7	9.8	9.8
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	9.7	9.7	9.8	9.8
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	9.7	9.7	9.8	9.8
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	9.7	9.7	9.8	9.8
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.2	9.2	9.4	9.4
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.2	9.2	9.3	9.3
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.3	9.2	9.4	9.4
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	9.7	9.7	9.8	9.8
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	9.7	9.6	9.8	9.8
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	9.7	9.7	9.8	9.8
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	9.7	9.7	9.8	9.8
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	9.7	9.7	9.8	9.8
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	9.7	9.7	9.8	9.8

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RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth											
SN: 004402740913300				MEASURED VALUES							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel					
						100	104	108	112	116	120
802.11a			OFDM	BPSK	6	9.4	9.4	9.3	9.3	9.3	9.3
802.11a			OFDM	BPSK	9	9.4	9.4	9.3	9.3	9.3	9.3
802.11a			OFDM	QPSK	12	9.4	9.3	9.3	9.3	9.2	9.2
802.11a			OFDM	QPSK	18	9.5	9.5	9.4	9.4	9.3	9.4
802.11a			OFDM	16QAM	24	9.8	9.7	9.6	9.6	9.6	9.6
802.11a			OFDM	16QAM	36	9.7	9.7	9.6	9.6	9.6	9.6
802.11a			OFDM	64QAM	48	9.7	9.7	9.6	9.6	9.6	9.6
802.11a			OFDM	64QAM	54	9.7	9.6	9.6	9.6	9.6	9.6
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.3	9.2	9.2	9.1	9.1	9.1
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.2	9.1	9.1	9.1	9.0	9.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.3	9.3	9.2	9.1	9.2	9.2
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	9.7	9.7	9.6	9.6	9.6	9.6
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	9.7	9.7	9.6	9.6	9.6	9.6
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	9.8	9.7	9.6	9.6	9.6	9.6
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	9.7	9.7	9.7	9.6	9.6	9.7
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	9.7	9.7	9.6	9.6	9.6	9.6
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.3	9.2	9.2	9.1	9.1	9.1
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.2	9.1	9.1	9.1	9.0	9.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.3	9.3	9.2	9.1	9.2	9.2
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	9.7	9.7	9.6	9.6	9.6	9.6
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	9.7	9.7	9.6	9.6	9.6	9.6
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	9.8	9.7	9.6	9.6	9.6	9.6
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	9.7	9.7	9.7	9.6	9.6	9.7
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	9.7	9.7	9.6	9.6	9.6	9.6
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.2	9.3	9.2	9.2	9.1	9.2
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.2	9.2	9.1	9.1	9.1	9.1
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.3	9.2	9.2	9.2	9.1	9.1
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	9.7	9.7	9.6	9.6	9.6	9.6
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	9.7	9.7	9.7	9.6	9.6	9.6
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	9.7	9.7	9.7	9.6	9.6	9.6
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	9.7	9.7	9.6	9.6	9.6	9.6
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	9.6	9.6	9.6	9.6	9.5	9.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	9.7	9.7	9.6	9.6	9.6	9.6
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.2	9.3	9.2	9.2	9.1	9.2
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.2	9.2	9.1	9.1	9.1	9.1
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.3	9.2	9.2	9.2	9.1	9.1
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	9.7	9.7	9.6	9.6	9.6	9.6
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	9.7	9.7	9.7	9.6	9.6	9.6
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	9.7	9.7	9.7	9.6	9.6	9.6
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	9.7	9.7	9.6	9.6	9.6	9.6
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	9.6	9.6	9.6	9.6	9.5	9.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	9.7	9.7	9.6	9.6	9.6	9.6

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RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth											
SN: 004402740913300				MEASURED VALUES							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel					
						124	128	132	136	140	144
802.11a			OFDM	BPSK	6	9.7	9.3	9.2	9.2	9.2	9.2
802.11a			OFDM	BPSK	9	9.7	9.3	9.2	9.1	9.1	9.1
802.11a			OFDM	QPSK	12	9.7	9.2	9.2	9.1	9.1	9.1
802.11a			OFDM	QPSK	18	9.8	9.4	9.3	9.2	9.2	9.2
802.11a			OFDM	16QAM	24	10.0	9.6	9.6	9.5	9.5	9.5
802.11a			OFDM	16QAM	36	10.0	9.5	9.5	9.5	9.5	9.4
802.11a			OFDM	64QAM	48	10.0	9.6	9.5	9.5	9.5	9.4
802.11a			OFDM	64QAM	54	10.0	9.6	9.5	9.4	9.4	9.4
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.6	9.1	9.1	9.0	9.0	9.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.5	9.0	9.0	8.9	9.0	8.9
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.6	9.2	9.1	9.0	9.1	9.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	10.1	9.6	9.5	9.5	9.5	9.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	10.0	9.6	9.5	9.5	9.5	9.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	10.0	9.6	9.6	9.5	9.5	9.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	10.0	9.6	9.6	9.5	9.5	9.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	10.0	9.6	9.5	9.5	9.5	9.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.6	9.1	9.1	9.0	9.0	9.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.5	9.0	9.0	8.9	9.0	8.9
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.6	9.2	9.1	9.0	9.1	9.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	10.1	9.6	9.5	9.5	9.5	9.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	10.0	9.6	9.5	9.5	9.5	9.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	10.0	9.6	9.6	9.5	9.5	9.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	10.0	9.6	9.6	9.5	9.5	9.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	10.0	9.6	9.5	9.5	9.5	9.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.6	9.1	9.1	9.0	9.1	9.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.5	9.1	9.0	9.0	9.0	9.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.6	9.1	9.1	9.1	9.1	9.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	10.0	9.6	9.5	9.5	9.5	9.4
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	10.0	9.6	9.5	9.5	9.5	9.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	10.0	9.6	9.5	9.5	9.5	9.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	10.0	9.6	9.6	9.5	9.5	9.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	10.0	9.6	9.5	9.4	9.4	9.4
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.0	9.5	9.5	9.5	9.5	9.4
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.6	9.1	9.1	9.0	9.1	9.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.5	9.1	9.0	9.0	9.0	9.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.6	9.1	9.1	9.1	9.1	9.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	10.0	9.6	9.5	9.5	9.5	9.4
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	10.0	9.6	9.5	9.5	9.5	9.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	10.0	9.6	9.5	9.5	9.5	9.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	10.0	9.6	9.6	9.5	9.5	9.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	10.0	9.6	9.5	9.4	9.4	9.4
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.0	9.5	9.5	9.5	9.5	9.4

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RLAN 5 GHz Sub-4 (U-NII-3) / 20 MHz channel bandwidth										
SN: 004402740913300				MEASURED VALUES						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel				
						149	153	157	161	165
802.11a			OFDM	BPSK	6	9.3	9.3	9.3	9.4	9.3
802.11a			OFDM	BPSK	9	9.2	9.3	9.2	9.3	9.3
802.11a			OFDM	QPSK	12	9.2	9.3	9.2	9.3	9.3
802.11a			OFDM	QPSK	18	9.3	9.4	9.4	9.4	9.4
802.11a			OFDM	16QAM	24	9.6	9.6	9.6	9.7	9.6
802.11a			OFDM	16QAM	36	9.5	9.6	9.6	9.6	9.6
802.11a			OFDM	64QAM	48	9.6	9.6	9.6	9.6	9.6
802.11a			OFDM	64QAM	54	9.6	9.6	9.6	9.6	9.6
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	9.1	9.1	9.1	9.2	9.1
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	9.0	9.1	9.0	9.1	9.1
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	9.1	9.2	9.2	9.2	9.2
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	9.6	9.6	9.6	9.6	9.6
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	9.6	9.6	9.6	9.6	9.6
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	9.6	9.6	9.6	9.7	9.6
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	9.6	9.7	9.6	9.7	9.6
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	9.6	9.6	9.6	9.7	9.6
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	9.1	9.1	9.1	9.2	9.1
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	9.0	9.1	9.0	9.1	9.1
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	9.1	9.2	9.2	9.2	9.2
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	9.6	9.6	9.6	9.6	9.6
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	9.6	9.6	9.6	9.6	9.6
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	9.6	9.6	9.6	9.7	9.6
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	9.6	9.7	9.6	9.7	9.6
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	9.6	9.6	9.6	9.7	9.6
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	9.1	9.1	9.2	9.2	9.2
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	9.1	9.2	9.1	9.2	9.1
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	9.1	9.2	9.1	9.2	9.2
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	9.6	9.6	9.6	9.6	9.6
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	9.5	9.6	9.6	9.6	9.6
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	9.6	9.6	9.6	9.6	9.6
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	9.6	9.6	9.6	9.7	9.6
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	9.5	9.6	9.6	9.6	9.6
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	9.5	9.6	9.6	9.6	9.6
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	9.1	9.1	9.2	9.2	9.2
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	9.1	9.2	9.1	9.2	9.1
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	9.1	9.2	9.1	9.2	9.2
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	9.6	9.6	9.6	9.6	9.6
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	9.5	9.6	9.6	9.6	9.6
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	9.6	9.6	9.6	9.6	9.6
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	9.6	9.6	9.6	9.7	9.6
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	9.5	9.6	9.6	9.6	9.6
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	9.5	9.6	9.6	9.6	9.6

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RLAN 5 GHz Sub-1 (U-NII-1) / 40 MHz channel bandwidth							
SN: 004402740913300				MEASURED VALUES			
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	38 (36+40)	46 (44+48)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	9.7	10.1
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	9.7	10.1
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	9.7	10.1
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	9.8	10.2
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	9.9	10.2
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	9.8	10.2
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	9.9	10.2
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	9.8	10.2
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	9.7	10.1
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	9.7	10.1
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	9.7	10.1
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	9.8	10.2
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	9.9	10.2
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	9.8	10.2
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	9.9	10.2
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	9.8	10.2
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	9.7	10.1
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	9.6	10.1
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	9.6	10.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	9.8	10.2
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	9.8	10.2
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	9.9	10.2
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	9.9	10.2
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	9.8	10.2
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	9.9	10.2
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	9.8	10.2
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	9.7	10.1
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	9.6	10.1
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	9.6	10.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	9.8	10.2
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	9.8	10.2
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	9.9	10.2
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	9.9	10.2
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	9.8	10.2
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	9.9	10.2
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	9.8	10.2

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RLAN 5 GHz Sub-2 (U-NII-2A) / 40 MHz channel bandwidth							
SN: 004402740913300				MEASURED VALUES			
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	54 (52+56)	62 (60+64)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	9.6	9.8
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	9.7	9.9
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	9.7	9.8
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	9.8	9.9
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	9.8	10.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	9.8	9.9
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	9.8	10.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	9.8	9.9
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	9.6	9.8
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	9.7	9.9
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	9.7	9.8
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	9.8	9.9
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	9.8	10.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	9.8	9.9
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	9.8	10.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	9.8	9.9
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	9.6	9.8
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	9.5	9.7
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	9.6	9.8
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	9.8	10.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	9.8	10.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	9.8	10.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	9.8	10.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	9.9	10.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	9.8	10.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	9.8	9.9
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	9.6	9.8
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	9.5	9.7
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	9.6	9.8
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	9.8	10.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	9.8	10.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	9.8	10.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	9.8	10.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	9.9	10.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	9.8	10.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	9.8	9.9

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RLAN 5 GHz Sub-3 (U-NII-2C) / 40 MHz channel bandwidth											
SN: 004402740913300				MEASURED VALUES							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	102 (100+104)	110 (108+112)	118 (116+120)	126 (124+128)	134 (132+136)	142 (140+144)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	9.7	9.6	9.6	9.6	9.5	9.6
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	9.8	9.7	9.6	9.6	9.5	9.6
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	9.7	9.6	9.6	9.6	9.5	9.6
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	9.9	9.8	9.8	9.7	9.6	9.7
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	9.9	9.8	9.8	9.8	9.7	9.7
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	9.9	9.8	9.8	9.7	9.7	9.7
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	9.9	9.9	9.8	9.8	9.7	9.7
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	9.8	9.8	9.8	9.7	9.6	9.7
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	9.7	9.6	9.6	9.6	9.5	9.6
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	9.8	9.7	9.6	9.6	9.5	9.6
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	9.7	9.6	9.6	9.6	9.5	9.6
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	9.9	9.8	9.8	9.7	9.6	9.7
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	9.9	9.8	9.8	9.8	9.7	9.7
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	9.9	9.8	9.8	9.7	9.7	9.7
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	9.9	9.9	9.8	9.8	9.7	9.7
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	9.8	9.8	9.8	9.7	9.6	9.7
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	9.7	9.6	9.6	9.6	9.5	9.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	9.6	9.5	9.5	9.5	9.4	9.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	9.7	9.6	9.5	9.5	9.5	9.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	9.9	9.8	9.8	9.7	9.6	9.7
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	9.9	9.8	9.8	9.8	9.7	9.8
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	9.9	9.8	9.8	9.7	9.7	9.7
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	9.9	9.8	9.7	9.7	9.6	9.7
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	9.9	9.8	9.8	9.7	9.7	9.7
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.0	9.8	9.8	9.7	9.7	9.7
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	9.9	9.8	9.8	9.7	9.7	9.7
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	9.7	9.6	9.6	9.6	9.5	9.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	9.6	9.5	9.5	9.5	9.4	9.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	9.7	9.6	9.5	9.5	9.5	9.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	9.9	9.8	9.8	9.7	9.6	9.7
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	9.9	9.8	9.8	9.8	9.7	9.8
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	9.9	9.8	9.8	9.7	9.7	9.7
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	9.9	9.8	9.7	9.7	9.6	9.7
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	9.9	9.8	9.8	9.7	9.7	9.7
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.0	9.8	9.8	9.7	9.7	9.7
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	9.9	9.8	9.8	9.7	9.7	9.7

(WLAN5000 Head averaged measured values table continues)

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(WLAN5000 Head averaged measured values table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 40 MHz channel bandwidth							
SN: 004402740913300				MEASURED VALUES			
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	151 (149+153)	159 (157+161)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	9.5	9.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	9.6	9.7
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	9.5	9.7
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	9.7	9.8
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	9.7	9.8
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	9.7	9.8
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	9.7	9.8
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	9.7	9.8
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	9.5	9.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	9.6	9.7
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	9.5	9.7
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	9.7	9.8
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	9.7	9.8
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	9.7	9.8
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	9.7	9.8
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	9.7	9.8
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	9.5	9.6
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	9.4	9.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	9.5	9.6
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	9.6	9.8
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	9.7	9.8
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	9.7	9.9
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	9.7	9.8
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	9.7	9.8
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	9.7	9.8
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	9.7	9.8
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	9.5	9.6
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	9.4	9.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	9.5	9.6
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	9.6	9.8
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	9.7	9.8
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	9.7	9.9
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	9.7	9.8
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	9.7	9.8
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	9.7	9.8
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	9.7	9.8

(WLAN5000 Head averaged measured values table continues)

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(WLAN5000 Head averaged measured values table continues)

RLAN 5 GHz Sub-1 (U-NII-1) / 80 MHz channel bandwidth						
SN: 004402740913300				MEASURED VALUES		
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	42 (36-48)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	9.7
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	9.6
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	9.6
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	9.9
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	9.9
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	9.9
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	9.9
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	9.9
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	9.9
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	9.9
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	9.7
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	9.6
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	9.6
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	9.9
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	9.9
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	9.9
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	9.9
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	9.9
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	9.9
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	9.9

(WLAN5000 Head averaged measured values table continues)

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(WLAN5000 Head averaged measured values table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 80 MHz channel bandwidth						
SN: 004402740913300				MEASURED VALUES		
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	58 (52-64)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	9.5
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	9.5
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	9.5
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	9.8
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	9.8
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	9.8
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	9.8
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	9.8
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	9.8
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	9.9
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	9.5
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	9.5
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	9.5
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	9.8
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	9.8
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	9.8
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	9.8
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	9.8
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	9.8
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	9.9

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(WLAN5000 Head averaged measured values table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 80 MHz channel bandwidth								
SN: 004402740913300				MEASURED VALUES				
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	106 (100-112)	122 (116-128)	138 (132-144)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	9.6	9.5	9.3
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	9.6	9.5	9.3
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	9.5	9.4	9.2
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	9.9	9.7	9.6
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	9.8	9.7	9.6
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	9.8	9.8	9.6
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	9.8	9.8	9.6
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	9.9	9.8	9.6
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	9.9	9.8	9.6
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	9.9	9.8	9.6
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	9.6	9.5	9.3
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	9.6	9.5	9.3
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	9.5	9.4	9.2
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	9.9	9.7	9.6
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	9.8	9.7	9.6
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	9.8	9.8	9.6
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	9.8	9.8	9.6
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	9.9	9.8	9.6
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	9.9	9.8	9.6
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	9.9	9.8	9.6

(WLAN5000 Head averaged measured values table continues)

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(WLAN5000 Head averaged measured values table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 80 MHz channel bandwidth						
SN: 004402740913300				MEASURED VALUES		
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	155 (149-161)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	9.5
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	9.5
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	9.4
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	9.8
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	9.7
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	9.7
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	9.7
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	9.7
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	9.8
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	9.8
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	9.5
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	9.5
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	9.4
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	9.8
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	9.7
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	9.7
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	9.7
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	9.7
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	9.8
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	9.8

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3.6.2 WLAN5000 Body-worn 15 mm and Wireless Router 10 mm

Averaged tuning targets for Body-worn 15mm and Wireless router 10 mm / Antenna 1 & 2 / RM-1104 & RM-1118

RLAN 5 GHz Sub-1 (U-NII-1) / 20 MHz channel bandwidth: TUNING TARGETS									
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						36	40	44	48
802.11a			OFDM	BPSK	6	15.0	15.0	15.0	15.0
802.11a			OFDM	BPSK	9	15.0	15.0	15.0	15.0
802.11a			OFDM	QPSK	12	15.0	15.0	15.0	15.0
802.11a			OFDM	QPSK	18	15.0	15.0	15.0	15.0
802.11a			OFDM	16QAM	24	15.0	15.0	15.0	15.0
802.11a			OFDM	16QAM	36	14.0	14.0	14.0	14.0
802.11a			OFDM	64QAM	48	14.0	14.0	14.0	14.0
802.11a			OFDM	64QAM	54	13.0	13.0	13.0	13.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.0	13.0	13.0	13.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.0	15.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.0	13.0	13.0	13.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.0	13.0	13.0	13.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.0	13.0	13.0	13.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.0	13.0	13.0	13.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.0	10.0	10.0	10.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.0	15.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.0	13.0	13.0	13.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.0	13.0	13.0	13.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.0	13.0	13.0	13.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.0	10.0	10.0	10.0

(WLAN5000 Body-worn and WR averaged tuning targets table continues)

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(WLAN5000 Body-worn and WR averaged tuning targets table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 20 MHz channel bandwidth: TUNING TARGETS									
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						52	56	60	64
802.11a			OFDM	BPSK	6	15.0	15.0	15.0	15.0
802.11a			OFDM	BPSK	9	15.0	15.0	15.0	15.0
802.11a			OFDM	QPSK	12	15.0	15.0	15.0	15.0
802.11a			OFDM	QPSK	18	15.0	15.0	15.0	15.0
802.11a			OFDM	16QAM	24	15.0	15.0	15.0	15.0
802.11a			OFDM	16QAM	36	14.0	14.0	14.0	14.0
802.11a			OFDM	64QAM	48	14.0	14.0	14.0	14.0
802.11a			OFDM	64QAM	54	13.0	13.0	13.0	13.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.0	13.0	13.0	13.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.0	15.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.0	13.0	13.0	13.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.0	13.0	13.0	13.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.0	13.0	13.0	13.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.0	13.0	13.0	13.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.0	10.0	10.0	10.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.0	15.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.0	13.0	13.0	13.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.0	13.0	13.0	13.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.0	13.0	13.0	13.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.0	10.0	10.0	10.0

(WLAN5000 Body-worn and WR averaged tuning targets table continues)

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(WLAN5000 Body-worn and WR averaged tuning targets table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth: TUNING TARGETS											
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel					
						100	104	108	112	116	120
802.11a			OFDM	BPSK	6	15.0	15.0	15.0	15.0	15.0	15.0
802.11a			OFDM	BPSK	9	15.0	15.0	15.0	15.0	15.0	15.0
802.11a			OFDM	QPSK	12	15.0	15.0	15.0	15.0	15.0	15.0
802.11a			OFDM	QPSK	18	15.0	15.0	15.0	15.0	15.0	15.0
802.11a			OFDM	16QAM	24	15.0	15.0	15.0	15.0	15.0	15.0
802.11a			OFDM	16QAM	36	14.0	14.0	14.0	14.0	14.0	14.0
802.11a			OFDM	64QAM	48	14.0	14.0	14.0	14.0	14.0	14.0
802.11a			OFDM	64QAM	54	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0	15.0	15.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	15.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0	15.0	15.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	14.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	14.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.0	10.0	10.0	10.0	10.0	10.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	15.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0	15.0	15.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.0	15.0	15.0	15.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0	14.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0	14.0	14.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.0	10.0	10.0	10.0	10.0	10.0

(WLAN5000 Body-worn and WR averaged tuning targets table continues)

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(WLAN5000 Body-worn and WR averaged tuning targets table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth: TUNING TARGETS												
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel						
						124	128	132	136	140	144	
802.11a			OFDM	BPSK	6	15.0	15.0	15.0	15.0	15.0	15.0	
802.11a			OFDM	BPSK	9	15.0	15.0	15.0	15.0	15.0	15.0	
802.11a			OFDM	QPSK	12	15.0	15.0	15.0	15.0	15.0	15.0	
802.11a			OFDM	QPSK	18	15.0	15.0	15.0	15.0	15.0	15.0	
802.11a			OFDM	16QAM	24	15.0	15.0	15.0	15.0	15.0	15.0	
802.11a			OFDM	16QAM	36	14.0	14.0	14.0	14.0	14.0	14.0	
802.11a			OFDM	64QAM	48	14.0	14.0	14.0	14.0	14.0	14.0	
802.11a			OFDM	64QAM	54	13.0	13.0	13.0	13.0	13.0	13.0	
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0	15.0	15.0	
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	15.0	
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0	15.0	15.0	
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	14.0	
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	14.0	
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0	13.0	
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0	13.0	13.0	
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.0	13.0	13.0	13.0	13.0	13.0	
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	15.0	
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0	15.0	15.0	
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.0	15.0	15.0	15.0	
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0	14.0	
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0	14.0	14.0	
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.0	13.0	13.0	13.0	13.0	13.0	
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.0	13.0	13.0	13.0	13.0	13.0	
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.0	13.0	13.0	13.0	13.0	13.0	
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0	15.0	15.0	
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	15.0	
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0	15.0	15.0	
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	14.0	
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	14.0	
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0	13.0	
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0	13.0	13.0	
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.0	13.0	13.0	13.0	13.0	13.0	
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.0	10.0	10.0	10.0	10.0	10.0	
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	15.0	
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0	15.0	15.0	
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.0	15.0	15.0	15.0	
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0	14.0	
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0	14.0	14.0	
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.0	13.0	13.0	13.0	13.0	13.0	
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.0	13.0	13.0	13.0	13.0	13.0	
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.0	13.0	13.0	13.0	13.0	13.0	
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.0	10.0	10.0	10.0	10.0	10.0	

(WLAN5000 Body-worn and WR averaged tuning targets table continues)

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(WLAN5000 Body-worn and WR averaged tuning targets table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 20 MHz channel bandwidth: TUNING TARGETS										
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel				
						149	153	157	161	165
802.11a			OFDM	BPSK	6	15.0	15.0	15.0	15.0	15.0
802.11a			OFDM	BPSK	9	15.0	15.0	15.0	15.0	15.0
802.11a			OFDM	QPSK	12	15.0	15.0	15.0	15.0	15.0
802.11a			OFDM	QPSK	18	15.0	15.0	15.0	15.0	15.0
802.11a			OFDM	16QAM	24	15.0	15.0	15.0	15.0	15.0
802.11a			OFDM	16QAM	36	14.0	14.0	14.0	14.0	14.0
802.11a			OFDM	64QAM	48	14.0	14.0	14.0	14.0	14.0
802.11a			OFDM	64QAM	54	13.0	13.0	13.0	13.0	13.0
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0	15.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0	15.0
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0	13.0
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.0	13.0	13.0	13.0	13.0
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0	15.0
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.0	15.0	15.0
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0	14.0
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.0	13.0	13.0	13.0	13.0
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.0	13.0	13.0	13.0	13.0
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.0	13.0	13.0	13.0	13.0
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0	15.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0	15.0
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0	13.0
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.0	13.0	13.0	13.0	13.0
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.0	10.0	10.0	10.0	10.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0	15.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.0	15.0	15.0
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.0	14.0	14.0	14.0	14.0
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.0	14.0	14.0	14.0	14.0
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.0	13.0	13.0	13.0	13.0
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.0	13.0	13.0	13.0	13.0
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.0	13.0	13.0	13.0	13.0
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.0	10.0	10.0	10.0	10.0

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(WLAN5000 Body-worn and WR averaged tuning targets table continues)

RLAN 5 GHz Sub-1 (U-NII-1) / 40 MHz channel bandwidth: TUNING TARGETS							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	38 (36+40)	46 (44+48)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	**15.0**	**15.0**
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	**15.0**	**15.0**
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	**15.0**	**15.0**
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	**14.0**	**14.0**
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	**14.0**	**14.0**
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	**13.0**	**13.0**
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	**13.0**	**13.0**
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	**13.0**	**13.0**
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	**15.0**	**15.0**
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	**15.0**	**15.0**
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	**15.0**	**15.0**
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	**14.0**	**14.0**
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	**14.0**	**14.0**
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	**13.0**	**13.0**
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	**13.0**	**13.0**
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	**13.0**	**13.0**
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	**15.0**	**15.0**
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	**15.0**	**15.0**
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	**15.0**	**15.0**
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	**14.0**	**14.0**
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	**14.0**	**14.0**
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	**13.0**	**13.0**
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	**13.0**	**13.0**
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	**13.0**	**13.0**
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	**10.0**	**10.0**
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	**10.0**	**10.0**
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	**15.0**	**15.0**
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	**15.0**	**15.0**
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	**15.0**	**15.0**
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	**14.0**	**14.0**
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	**14.0**	**14.0**
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	**13.0**	**13.0**
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	**13.0**	**13.0**
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	**13.0**	**13.0**
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	**10.0**	**10.0**
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	**10.0**	**10.0**

(WLAN5000 Body-worn and WR averaged tuning targets table continues)

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(WLAN5000 Body-worn and WR averaged tuning targets table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 40 MHz channel bandwidth: TUNING TARGETS							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	54 (52+56)	62 (60+64)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	**15.0**	**15.0**
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	**15.0**	**15.0**
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	**15.0**	**15.0**
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	**14.0**	**14.0**
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	**14.0**	**14.0**
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	**13.0**	**13.0**
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	**13.0**	**13.0**
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	**13.0**	**13.0**
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	**15.0**	**15.0**
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	**15.0**	**15.0**
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	**15.0**	**15.0**
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	**14.0**	**14.0**
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	**14.0**	**14.0**
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	**13.0**	**13.0**
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	**13.0**	**13.0**
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	**13.0**	**13.0**
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	**15.0**	**15.0**
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	**15.0**	**15.0**
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	**15.0**	**15.0**
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	**14.0**	**14.0**
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	**14.0**	**14.0**
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	**13.0**	**13.0**
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	**13.0**	**13.0**
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	**13.0**	**13.0**
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	**10.0**	**10.0**
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	**10.0**	**10.0**
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	**15.0**	**15.0**
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	**15.0**	**15.0**
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	**15.0**	**15.0**
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	**14.0**	**14.0**
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	**14.0**	**14.0**
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	**13.0**	**13.0**
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	**13.0**	**13.0**
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	**13.0**	**13.0**
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	**10.0**	**10.0**
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	**10.0**	**10.0**

(WLAN5000 Body-worn and WR averaged tuning targets table continues)

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(WLAN5000 Body-worn and WR averaged tuning targets table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 40 MHz channel bandwidth: TUNING TARGETS											
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	102 (100+104)	110 (108+112)	118 (116+120)	126 (124+128)	134 (132+136)	142 (140+144)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.0	10.0	10.0	10.0	10.0	10.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.0	10.0	10.0	10.0	10.0	10.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.0	10.0	10.0	10.0	10.0	10.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.0	10.0	10.0	10.0	10.0	10.0

(WLAN5000 Body-worn and WR averaged tuning targets table continues)

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(WLAN5000 Body-worn and WR averaged tuning targets table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 40 MHz channel bandwidth: TUNING TARGETS							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	151 (149+153)	159 (157+161)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	**15.0**	**15.0**
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	**15.0**	**15.0**
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	**15.0**	**15.0**
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	**14.0**	**14.0**
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	**14.0**	**14.0**
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	**13.0**	**13.0**
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	**13.0**	**13.0**
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	**13.0**	**13.0**
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	**15.0**	**15.0**
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	**15.0**	**15.0**
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	**15.0**	**15.0**
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	**14.0**	**14.0**
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	**14.0**	**14.0**
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	**13.0**	**13.0**
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	**13.0**	**13.0**
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	**13.0**	**13.0**
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	**15.0**	**15.0**
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	**15.0**	**15.0**
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	**15.0**	**15.0**
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	**14.0**	**14.0**
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	**14.0**	**14.0**
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	**13.0**	**13.0**
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	**13.0**	**13.0**
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	**13.0**	**13.0**
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	**10.0**	**10.0**
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	**10.0**	**10.0**
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	**15.0**	**15.0**
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	**15.0**	**15.0**
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	**15.0**	**15.0**
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	**14.0**	**14.0**
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	**14.0**	**14.0**
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	**13.0**	**13.0**
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	**13.0**	**13.0**
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	**13.0**	**13.0**
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	**10.0**	**10.0**
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	**10.0**	**10.0**

(WLAN5000 Body-worn and WR averaged tuning targets table continues)

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(WLAN5000 Body-worn and WR averaged tuning targets table continues)

RLAN 5 GHz Sub-1 (U-NII-1) / 80 MHz channel bandwidth: TUNING TARGETS						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	42 (36-48)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**14.0**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**14.0**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**14.0**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**14.0**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**14.0**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**13.0**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**13.0**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**13.0**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**10.0**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**10.0**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**14.0**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**14.0**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**14.0**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**14.0**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**14.0**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**13.0**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**13.0**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**13.0**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**10.0**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**10.0**

(WLAN5000 Body-worn and WR averaged tuning targets table continues)

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(WLAN5000 Body-worn and WR averaged tuning targets table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 80 MHz channel bandwidth: TUNING TARGETS						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	58 (52-64)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**14.0**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**14.0**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**14.0**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**14.0**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**14.0**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**13.0**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**13.0**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**13.0**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**10.0**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**10.0**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**14.0**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**14.0**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**14.0**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**14.0**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**14.0**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**13.0**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**13.0**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**13.0**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**10.0**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**10.0**

(WLAN5000 Body-worn and WR averaged tuning targets table continues)

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(WLAN5000 Body-worn and WR averaged tuning targets table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 80 MHz channel bandwidth: TUNING TARGETS								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	106 (100-112)	122 (116-128)	138 (132-144)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**14.0**	**14.0**	**14.0**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**14.0**	**14.0**	**14.0**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**14.0**	**14.0**	**14.0**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**14.0**	**14.0**	**14.0**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**14.0**	**14.0**	**14.0**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**13.0**	**13.0**	**13.0**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**13.0**	**13.0**	**13.0**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**13.0**	**13.0**	**13.0**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**10.0**	**10.0**	**10.0**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**10.0**	**10.0**	**10.0**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**14.0**	**14.0**	**14.0**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**14.0**	**14.0**	**14.0**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**14.0**	**14.0**	**14.0**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**14.0**	**14.0**	**14.0**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**14.0**	**14.0**	**14.0**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**13.0**	**13.0**	**13.0**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**13.0**	**13.0**	**13.0**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**13.0**	**13.0**	**13.0**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**10.0**	**10.0**	**10.0**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**10.0**	**10.0**	**10.0**

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Averaged upper limits for Body-worn 15mm and Wireless router 10 mm / Antenna 1 & 2 / RM-1104 & RM-1118

RLAN 5 GHz Sub-1 (U-NII-1) / 20 MHz channel bandwidth: UPPER LIMITS									
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						36	40	44	48
802.11a			OFDM	BPSK	6	16.5	16.5	16.5	16.5
802.11a			OFDM	BPSK	9	16.5	16.5	16.5	16.5
802.11a			OFDM	QPSK	12	16.5	16.5	16.5	16.5
802.11a			OFDM	QPSK	18	16.5	16.5	16.5	16.5
802.11a			OFDM	16QAM	24	16.5	16.5	16.5	16.5
802.11a			OFDM	16QAM	36	15.5	15.5	15.5	15.5
802.11a			OFDM	64QAM	48	15.5	15.5	15.5	15.5
802.11a			OFDM	64QAM	54	14.5	14.5	14.5	14.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	16.5	16.5	16.5	16.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	16.5	16.5	16.5	16.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	16.5	16.5	16.5	16.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.5	14.5	14.5	14.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.5	14.5	14.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.5	14.5	14.5	14.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	16.5	16.5	16.5	16.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	16.5	16.5	16.5	16.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	16.5	16.5	16.5	16.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.5	14.5	14.5	14.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.5	14.5	14.5	14.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.5	14.5	14.5	14.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	16.5	16.5	16.5	16.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	16.5	16.5	16.5	16.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	16.5	16.5	16.5	16.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.5	14.5	14.5	14.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.5	14.5	14.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.5	14.5	14.5	14.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.5	11.5	11.5	11.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	16.5	16.5	16.5	16.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	16.5	16.5	16.5	16.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	16.5	16.5	16.5	16.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.5	14.5	14.5	14.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.5	14.5	14.5	14.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.5	14.5	14.5	14.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.5	11.5	11.5	11.5

(WLAN5000 Body-worn and WR averaged upper limits table continues)

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(WLAN5000 Body-worn and WR averaged upper limits table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 20 MHz channel bandwidth: UPPER LIMITS									
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						52	56	60	64
802.11a			OFDM	BPSK	6	16.5	16.5	16.5	16.5
802.11a			OFDM	BPSK	9	16.5	16.5	16.5	16.5
802.11a			OFDM	QPSK	12	16.5	16.5	16.5	16.5
802.11a			OFDM	QPSK	18	16.5	16.5	16.5	16.5
802.11a			OFDM	16QAM	24	16.5	16.5	16.5	16.5
802.11a			OFDM	16QAM	36	15.5	15.5	15.5	15.5
802.11a			OFDM	64QAM	48	15.5	15.5	15.5	15.5
802.11a			OFDM	64QAM	54	14.5	14.5	14.5	14.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	16.5	16.5	16.5	16.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	16.5	16.5	16.5	16.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	16.5	16.5	16.5	16.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.5	14.5	14.5	14.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.5	14.5	14.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.5	14.5	14.5	14.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	16.5	16.5	16.5	16.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	16.5	16.5	16.5	16.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	16.5	16.5	16.5	16.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.5	14.5	14.5	14.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.5	14.5	14.5	14.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.5	14.5	14.5	14.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	16.5	16.5	16.5	16.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	16.5	16.5	16.5	16.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	16.5	16.5	16.5	16.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.5	14.5	14.5	14.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.5	14.5	14.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.5	14.5	14.5	14.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.5	11.5	11.5	11.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	16.5	16.5	16.5	16.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	16.5	16.5	16.5	16.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	16.5	16.5	16.5	16.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.5	14.5	14.5	14.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.5	14.5	14.5	14.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.5	14.5	14.5	14.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.5	11.5	11.5	11.5

(WLAN5000 Body-worn and WR averaged upper limits table continues)

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(WLAN5000 Body-worn and WR averaged upper limits table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth: UPPER LIMITS												
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel						
						100	104	108	112	116	120	
802.11a			OFDM	BPSK	6	16.5	16.5	16.5	16.5	16.5	16.5	
802.11a			OFDM	BPSK	9	16.5	16.5	16.5	16.5	16.5	16.5	
802.11a			OFDM	QPSK	12	16.5	16.5	16.5	16.5	16.5	16.5	
802.11a			OFDM	QPSK	18	16.5	16.5	16.5	16.5	16.5	16.5	
802.11a			OFDM	16QAM	24	16.5	16.5	16.5	16.5	16.5	16.5	
802.11a			OFDM	16QAM	36	15.5	15.5	15.5	15.5	15.5	15.5	
802.11a			OFDM	64QAM	48	15.5	15.5	15.5	15.5	15.5	15.5	
802.11a			OFDM	64QAM	54	14.5	14.5	14.5	14.5	14.5	14.5	
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	16.5	16.5	16.5	16.5	16.5	16.5	
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	16.5	16.5	16.5	16.5	16.5	16.5	
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	16.5	16.5	16.5	16.5	16.5	16.5	
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5	15.5	
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5	15.5	
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.5	14.5	14.5	14.5	14.5	14.5	
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.5	14.5	14.5	14.5	14.5	
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.5	14.5	14.5	14.5	14.5	14.5	
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	16.5	16.5	16.5	16.5	16.5	16.5	
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	16.5	16.5	16.5	16.5	16.5	16.5	
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	16.5	16.5	16.5	16.5	16.5	16.5	
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5	15.5	
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5	15.5	15.5	
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.5	14.5	14.5	14.5	14.5	14.5	
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.5	14.5	14.5	14.5	14.5	14.5	
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.5	14.5	14.5	14.5	14.5	14.5	
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	16.5	16.5	16.5	16.5	16.5	16.5	
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	16.5	16.5	16.5	16.5	16.5	16.5	
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	16.5	16.5	16.5	16.5	16.5	16.5	
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5	15.5	
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5	15.5	
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.5	14.5	14.5	14.5	14.5	14.5	
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.5	14.5	14.5	14.5	14.5	
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.5	14.5	14.5	14.5	14.5	14.5	
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.5	11.5	11.5	11.5	11.5	11.5	
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	16.5	16.5	16.5	16.5	16.5	16.5	
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	16.5	16.5	16.5	16.5	16.5	16.5	
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	16.5	16.5	16.5	16.5	16.5	16.5	
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5	15.5	
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5	15.5	15.5	
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.5	14.5	14.5	14.5	14.5	14.5	
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.5	14.5	14.5	14.5	14.5	14.5	
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.5	14.5	14.5	14.5	14.5	14.5	
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.5	11.5	11.5	11.5	11.5	11.5	

(WLAN5000 Body-worn and WR averaged upper limits table continues)

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(WLAN5000 Body-worn and WR averaged upper limits table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth: UPPER LIMITS											
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel					
						124	128	132	136	140	144
802.11a			OFDM	BPSK	6	16.5	16.5	16.5	16.5	16.5	16.5
802.11a			OFDM	BPSK	9	16.5	16.5	16.5	16.5	16.5	16.5
802.11a			OFDM	QPSK	12	16.5	16.5	16.5	16.5	16.5	16.5
802.11a			OFDM	QPSK	18	16.5	16.5	16.5	16.5	16.5	16.5
802.11a			OFDM	16QAM	24	16.5	16.5	16.5	16.5	16.5	16.5
802.11a			OFDM	16QAM	36	15.5	15.5	15.5	15.5	15.5	15.5
802.11a			OFDM	64QAM	48	15.5	15.5	15.5	15.5	15.5	15.5
802.11a			OFDM	64QAM	54	14.5	14.5	14.5	14.5	14.5	14.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	16.5	16.5	16.5	16.5	16.5	16.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	16.5	16.5	16.5	16.5	16.5	16.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	16.5	16.5	16.5	16.5	16.5	16.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5	15.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5	15.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.5	14.5	14.5	14.5	14.5	14.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.5	14.5	14.5	14.5	14.5	14.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	16.5	16.5	16.5	16.5	16.5	16.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	16.5	16.5	16.5	16.5	16.5	16.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	16.5	16.5	16.5	16.5	16.5	16.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5	15.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5	15.5	15.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.5	14.5	14.5	14.5	14.5	14.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	16.5	16.5	16.5	16.5	16.5	16.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	16.5	16.5	16.5	16.5	16.5	16.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	16.5	16.5	16.5	16.5	16.5	16.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5	15.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5	15.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	16.5	16.5	16.5	16.5	16.5	16.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	16.5	16.5	16.5	16.5	16.5	16.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	16.5	16.5	16.5	16.5	16.5	16.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5	15.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5	15.5	15.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.5	11.5	11.5	11.5	11.5	11.5

(WLAN5000 Body-worn and WR averaged upper limits table continues)

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(WLAN5000 Body-worn and WR averaged upper limits table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 20 MHz channel bandwidth: UPPER LIMITS										
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel				
						149	153	157	161	165
802.11a			OFDM	BPSK	6	16.5	16.5	16.5	16.5	16.5
802.11a			OFDM	BPSK	9	16.5	16.5	16.5	16.5	16.5
802.11a			OFDM	QPSK	12	16.5	16.5	16.5	16.5	16.5
802.11a			OFDM	QPSK	18	16.5	16.5	16.5	16.5	16.5
802.11a			OFDM	16QAM	24	16.5	16.5	16.5	16.5	16.5
802.11a			OFDM	16QAM	36	15.5	15.5	15.5	15.5	15.5
802.11a			OFDM	64QAM	48	15.5	15.5	15.5	15.5	15.5
802.11a			OFDM	64QAM	54	14.5	14.5	14.5	14.5	14.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	16.5	16.5	16.5	16.5	16.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	16.5	16.5	16.5	16.5	16.5
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	16.5	16.5	16.5	16.5	16.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	14.5	14.5	14.5	14.5	14.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.5	14.5	14.5	14.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	14.5	14.5	14.5	14.5	14.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	16.5	16.5	16.5	16.5	16.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	16.5	16.5	16.5	16.5	16.5
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	16.5	16.5	16.5	16.5	16.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5	15.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	14.5	14.5	14.5	14.5	14.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	14.5	14.5	14.5	14.5	14.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	14.5	14.5	14.5	14.5	14.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	16.5	16.5	16.5	16.5	16.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	16.5	16.5	16.5	16.5	16.5
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	16.5	16.5	16.5	16.5	16.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	15.5	15.5	15.5	15.5	15.5
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	15.5	15.5	15.5	15.5	15.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	14.5	14.5	14.5	14.5	14.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	14.5	14.5	14.5	14.5	14.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	14.5	14.5	14.5	14.5	14.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.5	11.5	11.5	11.5	11.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	16.5	16.5	16.5	16.5	16.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	16.5	16.5	16.5	16.5	16.5
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	16.5	16.5	16.5	16.5	16.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	15.5	15.5	15.5	15.5	15.5
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	15.5	15.5	15.5	15.5	15.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	14.5	14.5	14.5	14.5	14.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	14.5	14.5	14.5	14.5	14.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	14.5	14.5	14.5	14.5	14.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.5	11.5	11.5	11.5	11.5

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(WLAN5000 Body-worn and WR averaged upper limits table continues)

RLAN 5 GHz Sub-1 (U-NII-1) / 40 MHz channel bandwidth: UPPER LIMITS							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	38 (36+40)	46 (44+48)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	**16.5**	**16.5**
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	**16.5**	**16.5**
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	**16.5**	**16.5**
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	**15.5**	**15.5**
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	**15.5**	**15.5**
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	**14.5**	**14.5**
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	**14.5**	**14.5**
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	**14.5**	**14.5**
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	**16.5**	**16.5**
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	**16.5**	**16.5**
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	**16.5**	**16.5**
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	**15.5**	**15.5**
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	**15.5**	**15.5**
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	**14.5**	**14.5**
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	**14.5**	**14.5**
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	**14.5**	**14.5**
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	**16.5**	**16.5**
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	**16.5**	**16.5**
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	**16.5**	**16.5**
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	**15.5**	**15.5**
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	**15.5**	**15.5**
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	**14.5**	**14.5**
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	**14.5**	**14.5**
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	**14.5**	**14.5**
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	**11.5**	**11.5**
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	**11.5**	**11.5**
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	**16.5**	**16.5**
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	**16.5**	**16.5**
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	**16.5**	**16.5**
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	**15.5**	**15.5**
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	**15.5**	**15.5**
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	**14.5**	**14.5**
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	**14.5**	**14.5**
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	**14.5**	**14.5**
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	**11.5**	**11.5**
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	**11.5**	**11.5**

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RLAN 5 GHz Sub-2 (U-NII-2A) / 40 MHz channel bandwidth: UPPER LIMITS							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	54 (52+56)	62 (60+64)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	**16.5**	**16.5**
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	**16.5**	**16.5**
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	**16.5**	**16.5**
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	**15.5**	**15.5**
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	**15.5**	**15.5**
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	**14.5**	**14.5**
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	**14.5**	**14.5**
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	**14.5**	**14.5**
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	**16.5**	**16.5**
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	**16.5**	**16.5**
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	**16.5**	**16.5**
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	**15.5**	**15.5**
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	**15.5**	**15.5**
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	**14.5**	**14.5**
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	**14.5**	**14.5**
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	**14.5**	**14.5**
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	**16.5**	**16.5**
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	**16.5**	**16.5**
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	**16.5**	**16.5**
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	**15.5**	**15.5**
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	**15.5**	**15.5**
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	**14.5**	**14.5**
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	**14.5**	**14.5**
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	**14.5**	**14.5**
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	**11.5**	**11.5**
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	**11.5**	**11.5**
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	**16.5**	**16.5**
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	**16.5**	**16.5**
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	**16.5**	**16.5**
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	**15.5**	**15.5**
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	**15.5**	**15.5**
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	**14.5**	**14.5**
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	**14.5**	**14.5**
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	**14.5**	**14.5**
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	**11.5**	**11.5**
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	**11.5**	**11.5**

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RLAN 5 GHz Sub-3 (U-NII-2C) / 40 MHz channel bandwidth: UPPER LIMITS											
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	102 (100+104)	110 (108+112)	118 (116+120)	126 (124+128)	134 (132+136)	142 (140+144)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	16.5	16.5	16.5	16.5	16.5	16.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	16.5	16.5	16.5	16.5	16.5	16.5
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	16.5	16.5	16.5	16.5	16.5	16.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	16.5	16.5	16.5	16.5	16.5	16.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	16.5	16.5	16.5	16.5	16.5	16.5
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	16.5	16.5	16.5	16.5	16.5	16.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	15.5	15.5	15.5	15.5	15.5	15.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	16.5	16.5	16.5	16.5	16.5	16.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	16.5	16.5	16.5	16.5	16.5	16.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	16.5	16.5	16.5	16.5	16.5	16.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	15.5	15.5	15.5	15.5	15.5	15.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	15.5	15.5	15.5	15.5	15.5	15.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	16.5	16.5	16.5	16.5	16.5	16.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	16.5	16.5	16.5	16.5	16.5	16.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	16.5	16.5	16.5	16.5	16.5	16.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	15.5	15.5	15.5	15.5	15.5	15.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	15.5	15.5	15.5	15.5	15.5	15.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	14.5	14.5	14.5	14.5	14.5	14.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.5	11.5	11.5	11.5	11.5	11.5
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	11.5	11.5	11.5	11.5	11.5	11.5

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RLAN 5 GHz Sub-4 (U-NII-3) / 40 MHz channel bandwidth: UPPER LIMITS							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	151 (149+153)	159 (157+161)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	**16.5**	**16.5**
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	**16.5**	**16.5**
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	**16.5**	**16.5**
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	**15.5**	**15.5**
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	**15.5**	**15.5**
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	**14.5**	**14.5**
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	**14.5**	**14.5**
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	**14.5**	**14.5**
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	**16.5**	**16.5**
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	**16.5**	**16.5**
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	**16.5**	**16.5**
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	**15.5**	**15.5**
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	**15.5**	**15.5**
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	**14.5**	**14.5**
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	**14.5**	**14.5**
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	**14.5**	**14.5**
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	**16.5**	**16.5**
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	**16.5**	**16.5**
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	**16.5**	**16.5**
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	**15.5**	**15.5**
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	**15.5**	**15.5**
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	**14.5**	**14.5**
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	**14.5**	**14.5**
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	**14.5**	**14.5**
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	**11.5**	**11.5**
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	**11.5**	**11.5**
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	**16.5**	**16.5**
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	**16.5**	**16.5**
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	**16.5**	**16.5**
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	**15.5**	**15.5**
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	**15.5**	**15.5**
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	**14.5**	**14.5**
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	**14.5**	**14.5**
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	**14.5**	**14.5**
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	**11.5**	**11.5**
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	**11.5**	**11.5**

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RLAN 5 GHz Sub-1 (U-NII-1) / 80 MHz channel bandwidth: UPPER LIMITS						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	42 (36-48)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**15.5**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**15.5**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**15.5**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**15.5**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**15.5**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**14.5**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**14.5**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**14.5**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**11.5**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**11.5**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**15.5**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**15.5**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**15.5**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**15.5**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**15.5**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**14.5**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**14.5**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**14.5**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**11.5**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**11.5**

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RLAN 5 GHz Sub-2 (U-NII-2A) / 80 MHz channel bandwidth: UPPER LIMITS						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	58 (52-64)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**15.5**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**15.5**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**15.5**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**15.5**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**15.5**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**14.5**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**14.5**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**14.5**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**11.5**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**11.5**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**15.5**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**15.5**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**15.5**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**15.5**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**15.5**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**14.5**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**14.5**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**14.5**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**11.5**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**11.5**

(WLAN5000 Body-worn and WR averaged upper limits table continues)

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(WLAN5000 Body-worn and WR averaged upper limits table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 80 MHz channel bandwidth: UPPER LIMITS								
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	106 (100-112)	122 (116-128)	138 (132-144)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**15.5**	**15.5**	**15.5**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**15.5**	**15.5**	**15.5**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**15.5**	**15.5**	**15.5**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**15.5**	**15.5**	**15.5**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**15.5**	**15.5**	**15.5**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**14.5**	**14.5**	**14.5**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**14.5**	**14.5**	**14.5**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**14.5**	**14.5**	**14.5**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**11.5**	**11.5**	**11.5**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**11.5**	**11.5**	**11.5**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**15.5**	**15.5**	**15.5**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**15.5**	**15.5**	**15.5**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**15.5**	**15.5**	**15.5**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**15.5**	**15.5**	**15.5**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**15.5**	**15.5**	**15.5**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**14.5**	**14.5**	**14.5**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**14.5**	**14.5**	**14.5**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**14.5**	**14.5**	**14.5**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**11.5**	**11.5**	**11.5**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**11.5**	**11.5**	**11.5**

(WLAN5000 Body-worn and WR averaged upper limits table continues)

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(WLAN5000 Body-worn and WR averaged upper limits table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 80 MHz channel bandwidth: UPPER LIMITS						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	155 (149-161)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	**15.5**
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	**15.5**
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	**15.5**
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	**15.5**
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	**15.5**
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	**14.5**
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	**14.5**
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	**14.5**
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	**11.5**
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	**11.5**
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	**15.5**
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	**15.5**
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	**15.5**
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	**15.5**
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	**15.5**
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	**14.5**
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	**14.5**
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	**14.5**
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	**11.5**
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	**11.5**

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Averaged measured conducted output powers
for Body-worn 15mm and Wireless router 10 mm / Antenna 1 & 2 / RM-1104

RLAN 5 GHz Sub-1 (U-NII-1) / 20 MHz channel bandwidth									
SN: 004402742179033				MEASURED VALUES					
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						36	40	44	48
802.11a			OFDM	BPSK	6	15.6	15.6	15.6	15.6
802.11a			OFDM	BPSK	9	15.6	15.6	15.5	15.5
802.11a			OFDM	QPSK	12	15.5	15.5	15.5	15.5
802.11a			OFDM	QPSK	18	15.6	15.7	15.6	15.6
802.11a			OFDM	16QAM	24	15.6	15.6	15.6	15.6
802.11a			OFDM	16QAM	36	14.8	14.8	14.7	14.7
802.11a			OFDM	64QAM	48	14.8	14.8	14.7	14.8
802.11a			OFDM	64QAM	54	13.8	13.8	13.8	13.8
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.5	15.5	15.4	15.5
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.4	15.4	15.4	15.4
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.5	15.5	15.5	15.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.8	14.8	14.8	14.8
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.9	14.8	14.8	14.8
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.9	13.9	13.9	13.9
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.9	13.9	13.9	13.9
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.9	13.9	13.9	13.8
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.5	15.5	15.4	15.5
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.4	15.4	15.4	15.4
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.5	15.5	15.5	15.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.8	14.8	14.8	14.8
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.9	14.8	14.8	14.8
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.9	13.9	13.9	13.9
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.9	13.9	13.9	13.9
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.9	13.9	13.9	13.8
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.5	15.5	15.5	15.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.4	15.4	15.4	15.4
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.5	15.5	15.5	15.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.8	14.8	14.8	14.8
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.8	14.9	14.8	14.8
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.9	13.9	13.9	13.9
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.9	13.9	13.9	13.9
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.9	13.9	13.9	13.9
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.0	11.0	11.0	11.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.5	15.5	15.5	15.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.4	15.4	15.4	15.4
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.5	15.5	15.5	15.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.8	14.8	14.8	14.8
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.8	14.9	14.8	14.8
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.9	13.9	13.9	13.9
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.9	13.9	13.9	13.9
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.9	13.9	13.9	13.9
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.0	11.0	11.0	11.0

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 20 MHz channel bandwidth									
SN: 004402742179033				MEASURED VALUES					
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						52	56	60	64
802.11a			OFDM	BPSK	6	15.5	15.5	15.6	15.6
802.11a			OFDM	BPSK	9	15.5	15.5	15.5	15.5
802.11a			OFDM	QPSK	12	15.4	15.5	15.5	15.5
802.11a			OFDM	QPSK	18	15.5	15.5	15.6	15.6
802.11a			OFDM	16QAM	24	15.5	15.5	15.6	15.6
802.11a			OFDM	16QAM	36	14.6	14.7	14.8	14.8
802.11a			OFDM	64QAM	48	14.7	14.7	14.8	14.8
802.11a			OFDM	64QAM	54	13.8	13.8	13.9	13.8
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.4	15.4	15.4	15.4
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.3	15.3	15.4	15.4
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.4	15.4	15.5	15.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.7	14.7	14.9	14.8
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.7	14.7	14.8	14.8
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.8	13.8	13.9	13.9
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.8	13.8	13.9	13.7
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.8	13.8	13.9	13.9
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.4	15.4	15.4	15.4
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.3	15.3	15.4	15.4
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.4	15.4	15.5	15.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.7	14.7	14.9	14.8
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.7	14.7	14.8	14.8
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.8	13.8	13.9	13.9
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.8	13.8	13.9	13.7
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.8	13.8	13.9	13.9
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.4	15.4	15.5	15.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.3	15.3	15.4	15.4
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.4	15.4	15.5	15.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.7	14.7	14.8	14.8
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.7	14.7	14.8	14.8
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.8	13.8	13.9	13.9
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.8	13.8	13.9	13.9
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.8	13.8	13.9	13.9
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.0	11.0	11.0	11.0
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.4	15.4	15.5	15.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.3	15.3	15.4	15.4
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.4	15.4	15.5	15.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.7	14.7	14.8	14.8
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.7	14.7	14.8	14.8
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.8	13.8	13.9	13.9
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.8	13.8	13.9	13.9
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.8	13.8	13.9	13.9
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.0	11.0	11.0	11.0

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth											
SN: 004402742179033				MEASURED VALUES							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel					
						100	104	108	112	116	120
802.11a			OFDM	BPSK	6	15.6	15.6	15.6	15.6	15.6	15.6
802.11a			OFDM	BPSK	9	15.5	15.5	15.5	15.5	15.5	15.5
802.11a			OFDM	QPSK	12	15.5	15.5	15.5	15.5	15.5	15.5
802.11a			OFDM	QPSK	18	15.7	15.6	15.6	15.6	15.6	15.6
802.11a			OFDM	16QAM	24	15.6	15.6	15.6	15.6	15.6	15.7
802.11a			OFDM	16QAM	36	14.8	14.7	14.7	14.7	14.7	14.7
802.11a			OFDM	64QAM	48	14.8	14.8	14.8	14.8	14.7	14.7
802.11a			OFDM	64QAM	54	13.8	13.8	13.8	13.8	13.8	13.8
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.5	15.4	15.4	15.4	15.4	15.4
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.3	15.4	15.3	15.3	15.3	15.3
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.5	15.5	15.4	15.4	15.5	15.5
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.8	14.8	14.8	14.8	14.8	14.8
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.8	14.8	14.8	14.8	14.8	14.8
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.9	13.9	13.8	13.8	13.9	13.8
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.9	13.9	13.9	13.8	13.9	13.9
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.9	13.9	13.8	13.8	13.8	13.8
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.5	15.4	15.4	15.4	15.4	15.4
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.3	15.4	15.3	15.3	15.3	15.3
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.5	15.5	15.4	15.4	15.5	15.5
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.8	14.8	14.8	14.8	14.8	14.8
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.8	14.8	14.8	14.8	14.8	14.8
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.9	13.9	13.8	13.8	13.9	13.8
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.9	13.9	13.9	13.8	13.9	13.9
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.9	13.9	13.8	13.8	13.8	13.8
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.5	15.5	15.4	15.4	15.4	15.5
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.4	15.4	15.4	15.4	15.4	15.4
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.5	15.5	15.5	15.4	15.4	15.5
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.8	14.8	14.8	14.7	14.7	14.8
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.8	14.8	14.8	14.8	14.8	14.8
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.9	13.9	13.8	13.9	13.8	13.8
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.9	13.9	13.8	13.8	13.8	13.8
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.8	13.8	13.8	13.8	13.8	13.8
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.1	11.0	10.9	11.0	11.0	10.9
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.5	15.5	15.4	15.4	15.4	15.5
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.4	15.4	15.4	15.4	15.4	15.4
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.5	15.5	15.5	15.4	15.4	15.5
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.8	14.8	14.8	14.7	14.7	14.8
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.8	14.8	14.8	14.8	14.8	14.8
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.9	13.9	13.8	13.9	13.8	13.8
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.9	13.9	13.8	13.8	13.8	13.8
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.8	13.8	13.8	13.8	13.8	13.8
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.1	11.0	10.9	11.0	11.0	10.9

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth											
SN: 004402742179033				MEASURED VALUES							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel					
						124	128	132	136	140	144
802.11a			OFDM	BPSK	6	15.6	15.5	15.5	15.4	15.4	15.4
802.11a			OFDM	BPSK	9	15.5	15.4	15.4	15.4	15.4	15.3
802.11a			OFDM	QPSK	12	15.5	15.4	15.4	15.3	15.4	15.3
802.11a			OFDM	QPSK	18	15.6	15.5	15.5	15.4	15.5	15.4
802.11a			OFDM	16QAM	24	15.7	15.6	15.5	15.5	15.5	15.5
802.11a			OFDM	16QAM	36	14.7	14.6	14.6	14.6	14.6	14.5
802.11a			OFDM	64QAM	48	14.7	14.6	14.6	14.6	14.6	14.6
802.11a			OFDM	64QAM	54	13.8	13.7	13.7	13.6	13.6	13.6
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.4	15.3	15.3	15.2	15.3	15.2
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.3	15.2	15.2	15.1	15.2	15.1
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.4	15.4	15.3	15.3	15.3	15.3
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.7	14.7	14.6	14.6	14.6	14.6
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.8	14.7	14.7	14.6	14.7	14.6
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.8	13.8	13.7	13.7	13.7	13.7
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.8	13.8	13.7	13.7	13.7	13.7
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.8	13.7	13.7	13.7	13.7	13.7
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.4	15.3	15.3	15.2	15.3	15.2
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.3	15.2	15.2	15.1	15.2	15.1
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.4	15.4	15.3	15.3	15.3	15.3
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.7	14.7	14.6	14.6	14.6	14.6
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.8	14.7	14.7	14.6	14.7	14.6
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.8	13.8	13.7	13.7	13.7	13.7
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.8	13.8	13.7	13.7	13.7	13.7
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.8	13.7	13.7	13.7	13.7	13.7
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.4	15.4	15.3	15.3	15.3	15.3
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.4	15.3	15.3	15.2	15.2	15.2
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.4	15.3	15.3	15.2	15.3	15.3
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.7	14.7	14.6	14.6	14.6	14.6
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.7	14.7	14.7	14.6	14.7	14.6
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.8	13.8	13.7	13.7	13.7	13.7
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.8	13.8	13.7	13.7	13.7	13.7
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.8	13.7	13.7	13.6	13.7	13.6
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.9	10.9	10.9	10.8	10.8	10.7
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.4	15.4	15.3	15.3	15.3	15.3
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.4	15.3	15.3	15.2	15.2	15.2
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.4	15.3	15.3	15.2	15.3	15.3
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.7	14.7	14.6	14.6	14.6	14.6
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.7	14.7	14.7	14.6	14.7	14.6
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.8	13.8	13.7	13.7	13.7	13.7
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.8	13.8	13.7	13.7	13.7	13.7
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.8	13.7	13.7	13.6	13.7	13.6
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.9	10.9	10.9	10.8	10.8	10.7

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 20 MHz channel bandwidth										
SN: 004402742179033				MEASURED VALUES						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel				
						149	153	157	161	165
802.11a			OFDM	BPSK	6	15.4	15.5	15.5	15.6	15.5
802.11a			OFDM	BPSK	9	15.3	15.5	15.4	15.5	15.4
802.11a			OFDM	QPSK	12	15.3	15.4	15.4	15.5	15.4
802.11a			OFDM	QPSK	18	15.5	15.6	15.5	15.6	15.6
802.11a			OFDM	16QAM	24	15.5	15.6	15.5	15.6	15.5
802.11a			OFDM	16QAM	36	14.6	14.7	14.7	14.7	14.6
802.11a			OFDM	64QAM	48	14.6	14.7	14.7	14.7	14.7
802.11a			OFDM	64QAM	54	13.7	13.8	13.7	13.8	13.8
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.3	15.4	15.3	15.4	15.3
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.2	15.3	15.2	15.3	15.3
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.3	15.4	15.4	15.5	15.4
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.7	14.8	14.7	14.7	14.7
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.7	14.8	14.7	14.8	14.7
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.7	13.9	13.8	13.8	13.8
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.7	13.9	13.8	13.8	13.8
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.7	13.8	13.8	13.8	13.8
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.3	15.4	15.3	15.4	15.3
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.2	15.3	15.2	15.3	15.3
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.3	15.4	15.4	15.5	15.4
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.7	14.8	14.7	14.7	14.7
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.7	14.8	14.7	14.8	14.7
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.7	13.9	13.8	13.8	13.8
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.7	13.9	13.8	13.8	13.8
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.7	13.8	13.8	13.8	13.8
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.3	15.4	15.4	15.4	15.4
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.3	15.3	15.3	15.4	15.3
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.3	15.4	15.3	15.5	15.4
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.7	14.8	14.7	14.8	14.7
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.7	14.7	14.7	14.7	14.7
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.8	13.8	13.8	13.8	13.8
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.8	13.9	13.8	13.8	13.8
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.7	13.8	13.7	13.8	13.8
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.8	10.9	10.9	11.0	10.9
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.3	15.4	15.4	15.4	15.4
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.3	15.3	15.3	15.4	15.3
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.3	15.4	15.3	15.5	15.4
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.7	14.8	14.7	14.8	14.7
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.7	14.7	14.7	14.7	14.7
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.8	13.8	13.8	13.8	13.8
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.8	13.9	13.8	13.8	13.8
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.7	13.8	13.7	13.8	13.8
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.8	10.9	10.9	11.0	10.9

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-1 (U-NII-1) / 40 MHz channel bandwidth							
SN: 004402742179033				MEASURED VALUES			
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	38 (36+40)	46 (44+48)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	16.0	16.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	16.1	16.1
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	16.0	16.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	15.0	15.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	15.0	15.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	14.0	14.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	14.0	14.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	14.0	14.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	16.0	16.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	16.1	16.1
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	16.0	16.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	15.0	15.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	15.0	15.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	14.0	14.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	14.0	14.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	14.0	14.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	16.0	16.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.9	15.9
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	16.0	16.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.9	14.9
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	15.0	15.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	14.0	13.9
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	14.0	14.0
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	14.0	14.0
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.1	11.1
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	11.0	11.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	16.0	16.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.9	15.9
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	16.0	16.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.9	14.9
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	15.0	15.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	14.0	13.9
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	14.0	14.0
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	14.0	14.0
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.1	11.1
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	11.0	11.0

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 40 MHz channel bandwidth							
SN: 004402742179033				MEASURED VALUES			
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	54 (52+56)	62 (60+64)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	15.9	16.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	15.9	16.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	15.9	16.0
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.8	15.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.9	15.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.9	14.0
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.9	14.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.9	14.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	15.9	16.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	15.9	16.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	15.9	16.0
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.8	15.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.9	15.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.9	14.0
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.9	14.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.9	14.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	15.9	15.9
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.8	15.9
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	15.8	15.9
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.8	14.9
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.8	15.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.8	13.9
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.9	13.9
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.9	13.9
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.0	11.1
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.9	11.1
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	15.9	15.9
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.8	15.9
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	15.8	15.9
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.8	14.9
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.8	15.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.8	13.9
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.9	13.9
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.9	13.9
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.0	11.1
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.9	11.1

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 40 MHz channel bandwidth											
SN: 004402742179033				MEASURED VALUES							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	102 (100+104)	110 (108+112)	118 (116+120)	126 (124+128)	134 (132+136)	142 (140+144)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	15.9	15.9	15.9	15.9	15.7	15.7
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	15.9	15.9	15.9	15.9	15.8	15.8
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	15.9	15.9	15.9	15.9	15.7	15.8
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.9	14.8	14.8	14.8	14.7	14.7
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.9	14.9	14.8	14.8	14.7	14.7
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.9	13.9	13.9	13.9	13.7	13.8
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	14.0	13.9	13.9	13.9	13.8	13.8
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	14.0	13.9	13.9	13.8	13.8	13.8
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	15.9	15.9	15.9	15.9	15.7	15.7
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	15.9	15.9	15.9	15.9	15.8	15.8
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	15.9	15.9	15.9	15.9	15.7	15.8
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.9	14.8	14.8	14.8	14.7	14.7
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.9	14.9	14.8	14.8	14.7	14.7
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.9	13.9	13.9	13.9	13.7	13.8
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	14.0	13.9	13.9	13.9	13.8	13.8
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	14.0	13.9	13.9	13.8	13.8	13.8
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	15.9	15.8	15.8	15.8	15.7	15.7
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.8	15.8	15.8	15.7	15.6	15.7
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	15.8	15.8	15.8	15.8	15.7	15.7
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.9	14.8	14.8	14.8	14.7	14.7
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.9	14.8	14.9	14.8	14.8	14.7
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.9	13.8	13.9	13.8	13.7	13.7
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.9	13.9	13.9	13.8	13.7	13.8
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.9	13.9	13.9	13.8	13.7	13.7
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	11.1	11.0	11.0	11.0	10.9	10.9
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	11.0	10.9	10.9	10.9	10.8	10.8
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	15.9	15.8	15.8	15.8	15.7	15.7
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.8	15.8	15.8	15.7	15.6	15.7
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	15.8	15.8	15.8	15.8	15.7	15.7
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.9	14.8	14.8	14.8	14.7	14.7
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.9	14.8	14.9	14.8	14.8	14.7
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.9	13.8	13.9	13.8	13.7	13.7
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.9	13.9	13.9	13.8	13.7	13.8
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.9	13.9	13.9	13.8	13.7	13.7
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	11.1	11.0	11.0	11.0	10.9	10.9
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	11.0	10.9	10.9	10.9	10.8	10.8

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 40 MHz channel bandwidth							
SN: 004402742179033				MEASURED VALUES			
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	151 (149+153)	159 (157+161)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	15.7	15.9
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	15.8	16.0
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	15.7	15.9
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.7	14.9
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.8	14.9
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.8	13.9
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.8	14.0
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.8	14.0
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	15.7	15.9
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	15.8	16.0
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	15.7	15.9
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.7	14.9
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.8	14.9
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.8	13.9
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.8	14.0
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.8	14.0
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	15.7	15.9
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.6	15.7
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	15.7	15.8
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.7	14.9
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.8	14.9
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.7	13.8
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.8	13.9
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.7	13.9
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.9	11.0
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.9	11.0
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	15.7	15.9
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.6	15.7
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	15.7	15.8
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.7	14.9
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.8	14.9
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.7	13.8
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.8	13.9
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.7	13.9
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.9	11.0
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.9	11.0

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-1 (U-NII-1) / 80 MHz channel bandwidth						
SN: 004402742179033				MEASURED VALUES		
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	42 (36-48)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	14.8
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	14.8
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	14.8
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	14.9
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	14.8
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	13.9
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	13.9
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	14.0
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	11.1
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	11.1
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	14.8
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	14.8
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	14.8
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	14.9
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	14.8
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	13.9
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	13.9
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	14.0
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	11.1
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	11.1

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 80 MHz channel bandwidth						
SN: 004402742179033				MEASURED VALUES		
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	58 (52-64)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	14.7
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	14.7
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	14.6
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	14.8
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	14.8
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	13.8
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	13.9
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	13.8
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	11.0
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	11.0
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	14.7
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	14.7
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	14.6
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	14.8
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	14.8
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	13.8
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	13.9
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	13.8
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	11.0
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	11.0

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 80 MHz channel bandwidth								
SN: 004402742179033				MEASURED VALUES				
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	106 (100-112)	122 (116-128)	138 (132-144)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	14.7	14.7	14.5
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	14.7	14.7	14.5
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	14.7	14.6	14.4
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	14.9	14.8	14.7
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	14.8	14.8	14.6
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	13.9	13.9	13.7
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	13.9	13.8	13.7
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	13.9	13.9	13.7
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	11.0	11.0	10.8
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	11.0	11.0	10.8
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	14.7	14.7	14.5
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	14.7	14.7	14.5
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	14.7	14.6	14.4
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	14.9	14.8	14.7
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	14.8	14.8	14.6
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	13.9	13.9	13.7
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	13.9	13.8	13.7
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	13.9	13.9	13.7
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	11.0	11.0	10.8
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	11.0	11.0	10.8

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 80 MHz channel bandwidth						
SN: 004402742179033				MEASURED VALUES		
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	155 (149-161)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	14.7
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	14.7
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	14.7
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	14.9
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	14.8
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	13.9
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	13.9
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	13.9
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	11.0
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	11.0
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	14.7
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	14.7
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	14.7
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	14.9
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	14.8
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	13.9
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	13.9
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	13.9
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	11.0
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	11.0

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Averaged measured conducted output powers
for Body-worn 15mm and Wireless router 10 mm / Antenna 1 & 2 / RM-1118

RLAN 5 GHz Sub-1 (U-NII-1) / 20 MHz channel bandwidth									
SN: 004402740913300				MEASURED VALUES					
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						36	40	44	48
802.11a			OFDM	BPSK	6	15.1	15.2	15.2	15.2
802.11a			OFDM	BPSK	9	15.1	15.1	15.1	15.1
802.11a			OFDM	QPSK	12	15.1	15.1	15.1	15.2
802.11a			OFDM	QPSK	18	15.2	15.2	15.2	15.3
802.11a			OFDM	16QAM	24	15.2	15.2	15.2	15.2
802.11a			OFDM	16QAM	36	14.3	14.4	14.3	14.3
802.11a			OFDM	64QAM	48	14.4	14.4	14.4	14.4
802.11a			OFDM	64QAM	54	13.4	13.5	13.5	13.4
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.9	14.9	14.9	14.9
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.1	15.1	15.1
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.4	14.4	14.4	14.4
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.4	14.4	14.4	14.4
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.5	13.5	13.5	13.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.5	13.5	13.5	13.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.5	13.5	13.5	13.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.9	14.9	14.9	14.9
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.0	15.1	15.1	15.1
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.4	14.4	14.4	14.4
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.4	14.4	14.4	14.4
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.5	13.5	13.5	13.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.5	13.5	13.5	13.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.5	13.5	13.5	13.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.1	15.1	15.1
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.1	15.1	15.1
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.4	14.4	14.4	14.4
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.4	14.4	14.4	14.4
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.5	13.5	13.5	13.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.5	13.5	13.5	13.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.4	13.5	13.4	13.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.7	10.7	10.7	10.8
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.0	15.1	15.1	15.1
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.0	15.0	15.0	15.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.0	15.1	15.1	15.1
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.4	14.4	14.4	14.4
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.4	14.4	14.4	14.4
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.5	13.5	13.5	13.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.5	13.5	13.5	13.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.4	13.5	13.4	13.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.7	10.7	10.7	10.8

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 20 MHz channel bandwidth									
SN: 004402740913300				MEASURED VALUES					
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel			
						52	56	60	64
802.11a			OFDM	BPSK	6	15.1	15.1	15.2	15.2
802.11a			OFDM	BPSK	9	15.0	15.1	15.1	15.1
802.11a			OFDM	QPSK	12	15.0	15.1	15.1	15.1
802.11a			OFDM	QPSK	18	15.1	15.2	15.2	15.2
802.11a			OFDM	16QAM	24	15.2	15.2	15.2	15.2
802.11a			OFDM	16QAM	36	14.3	14.3	14.4	14.4
802.11a			OFDM	64QAM	48	14.3	14.3	14.4	14.4
802.11a			OFDM	64QAM	54	13.4	13.4	13.5	13.5
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	14.9	15.0	15.0	15.0
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.9	14.9	14.9	14.9
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.1	15.1
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.3	14.3	14.5	14.5
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.4	14.4	14.5	14.5
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.4	13.5	13.5	13.5
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.4	13.5	13.5	13.5
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.4	13.4	13.5	13.5
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	14.9	15.0	15.0	15.0
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.9	14.9	14.9	14.9
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.1	15.1
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.3	14.3	14.5	14.5
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.4	14.4	14.5	14.5
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.4	13.5	13.5	13.5
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.4	13.5	13.5	13.5
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.4	13.4	13.5	13.5
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	15.0	15.0
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.9	15.0	15.0	15.0
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	15.1	15.1
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.4	14.3	14.5	14.4
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.3	14.4	14.5	14.5
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.4	13.5	13.5	13.5
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.5	13.4	13.5	13.5
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.4	13.4	13.5	13.5
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.6	10.6	10.7	10.7
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	15.0	15.0
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.9	15.0	15.0	15.0
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	15.1	15.1
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.4	14.3	14.5	14.4
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.3	14.4	14.5	14.5
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.4	13.5	13.5	13.5
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.5	13.4	13.5	13.5
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.4	13.4	13.5	13.5
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.6	10.6	10.7	10.7

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth											
SN: 004402740913300				MEASURED VALUES							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel					
						100	104	108	112	116	120
802.11a			OFDM	BPSK	6	15.1	15.1	15.1	15.0	15.0	15.0
802.11a			OFDM	BPSK	9	15.1	15.1	15.0	15.0	15.0	15.0
802.11a			OFDM	QPSK	12	15.1	15.0	15.0	15.0	15.0	14.9
802.11a			OFDM	QPSK	18	15.2	15.2	15.1	15.1	15.1	15.1
802.11a			OFDM	16QAM	24	15.2	15.2	15.1	15.1	15.1	15.2
802.11a			OFDM	16QAM	36	14.3	14.3	14.2	14.2	14.2	14.2
802.11a			OFDM	64QAM	48	14.3	14.3	14.3	14.2	14.3	14.3
802.11a			OFDM	64QAM	54	13.4	13.4	13.4	13.3	13.3	13.3
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	14.9	14.9	14.9	14.9
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.9	14.9	14.8	14.8	14.8	14.8
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	14.9	14.9	14.9	14.9
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.3	14.3	14.3	14.3	14.3	14.3
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.4	14.3	14.3	14.3	14.3	14.3
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.5	13.5	13.4	13.4	13.4	13.4
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.5	13.4	13.4	13.4	13.4	13.3
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.4	13.4	13.4	13.3	13.4	13.3
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	14.9	14.9	14.9	14.9
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.9	14.9	14.8	14.8	14.8	14.8
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	14.9	14.9	14.9	14.9
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.3	14.3	14.3	14.3	14.3	14.3
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.4	14.3	14.3	14.3	14.3	14.3
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.5	13.5	13.4	13.4	13.4	13.4
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.5	13.4	13.4	13.4	13.4	13.3
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.4	13.4	13.4	13.3	13.4	13.3
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.0	15.0	14.9	14.8	14.9	14.9
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.9	14.9	14.9	14.8	14.8	14.8
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.0	15.0	14.9	14.9	14.9	14.9
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.4	14.4	14.3	14.2	14.3	14.3
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.4	14.4	14.3	14.3	14.2	14.3
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.5	13.4	13.4	13.4	13.4	13.3
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.5	13.4	13.4	13.3	13.4	13.4
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.4	13.4	13.4	13.3	13.3	13.3
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.6	10.6	10.6	10.5	10.5	10.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.0	15.0	14.9	14.8	14.9	14.9
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.9	14.9	14.9	14.8	14.8	14.8
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.0	15.0	14.9	14.9	14.9	14.9
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.4	14.4	14.3	14.2	14.3	14.3
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.4	14.4	14.3	14.3	14.2	14.3
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.5	13.4	13.4	13.4	13.4	13.3
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.5	13.4	13.4	13.3	13.4	13.4
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.4	13.4	13.4	13.3	13.3	13.3
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.6	10.6	10.6	10.5	10.5	10.5

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 20 MHz channel bandwidth											
SN: 004402740913300				MEASURED VALUES							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel					
						124	128	132	136	140	144
802.11a			OFDM	BPSK	6	15.5	15.0	15.0	14.9	14.9	14.9
802.11a			OFDM	BPSK	9	15.4	14.9	14.9	14.9	14.9	14.8
802.11a			OFDM	QPSK	12	15.4	14.9	14.9	14.8	14.8	14.8
802.11a			OFDM	QPSK	18	15.5	15.0	15.0	14.9	15.0	14.9
802.11a			OFDM	16QAM	24	15.6	15.1	15.1	15.0	15.0	15.0
802.11a			OFDM	16QAM	36	14.6	14.1	14.1	14.1	14.1	14.1
802.11a			OFDM	64QAM	48	14.7	14.2	14.2	14.1	14.2	14.1
802.11a			OFDM	64QAM	54	13.7	13.2	13.2	13.2	13.2	13.1
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	15.3	14.8	14.8	14.8	14.8	14.7
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	15.2	14.8	14.7	14.7	14.7	14.6
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	15.4	14.9	14.8	14.8	14.8	14.8
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.7	14.2	14.2	14.1	14.2	14.1
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.7	14.2	14.2	14.2	14.2	14.2
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.8	13.3	13.3	13.3	13.3	13.2
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.8	13.3	13.3	13.3	13.3	13.2
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.8	13.3	13.3	13.2	13.3	13.2
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	15.3	14.8	14.8	14.8	14.8	14.7
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	15.2	14.8	14.7	14.7	14.7	14.6
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	15.4	14.9	14.8	14.8	14.8	14.8
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.7	14.2	14.2	14.1	14.2	14.1
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.7	14.2	14.2	14.2	14.2	14.2
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.8	13.3	13.3	13.3	13.3	13.2
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.8	13.3	13.3	13.3	13.3	13.2
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.8	13.3	13.3	13.2	13.3	13.2
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	15.4	14.8	14.8	14.8	14.8	14.8
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	15.3	14.8	14.8	14.7	14.8	14.7
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	15.3	14.9	14.8	14.8	14.8	14.8
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.7	14.2	14.2	14.1	14.1	14.1
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.7	14.2	14.2	14.1	14.2	14.2
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.8	13.3	13.3	13.2	13.2	13.2
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.8	13.3	13.3	13.2	13.2	13.2
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.7	13.3	13.2	13.2	13.2	13.1
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	11.0	10.5	10.4	10.4	10.4	10.4
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	15.4	14.8	14.8	14.8	14.8	14.8
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	15.3	14.8	14.8	14.7	14.8	14.7
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	15.3	14.9	14.8	14.8	14.8	14.8
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.7	14.2	14.2	14.1	14.1	14.1
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.7	14.2	14.2	14.1	14.2	14.2
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.8	13.3	13.3	13.2	13.2	13.2
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.8	13.3	13.3	13.2	13.2	13.2
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.7	13.3	13.2	13.2	13.2	13.1
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	11.0	10.5	10.4	10.4	10.4	10.4

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 20 MHz channel bandwidth										
SN: 004402740913300				MEASURED VALUES						
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	Channel				
						149	153	157	161	165
802.11a			OFDM	BPSK	6	14.9	15.1	15.0	15.1	15.0
802.11a			OFDM	BPSK	9	14.9	15.0	14.9	15.0	15.0
802.11a			OFDM	QPSK	12	14.8	15.0	14.9	15.0	15.0
802.11a			OFDM	QPSK	18	14.9	15.1	15.1	15.1	15.1
802.11a			OFDM	16QAM	24	15.0	15.1	15.0	15.1	15.1
802.11a			OFDM	16QAM	36	14.2	14.3	14.2	14.2	14.2
802.11a			OFDM	64QAM	48	14.2	14.3	14.3	14.3	14.3
802.11a			OFDM	64QAM	54	13.2	13.3	13.3	13.4	13.3
802.11n	0	1	OFDM	BPSK	6.5 / 7.2	14.8	14.9	14.8	14.9	14.9
802.11n	1	1	OFDM	QPSK	13.0 / 14.4	14.7	14.8	14.8	14.8	14.8
802.11n	2	1	OFDM	QPSK	19.5 / 21.7	14.8	14.9	14.9	15.0	14.9
802.11n	3	1	OFDM	16QAM	26.0 / 28.9	14.2	14.3	14.3	14.3	14.2
802.11n	4	1	OFDM	16QAM	39.0 / 43.3	14.2	14.3	14.3	14.3	14.3
802.11n	5	1	OFDM	64QAM	52.0 / 57.8	13.3	13.4	13.4	13.4	13.4
802.11n	6	1	OFDM	64QAM	58.5 / 65.0	13.3	13.4	13.4	13.4	13.4
802.11n	7	1	OFDM	64QAM	65.0 / 72.2	13.3	13.4	13.4	13.4	13.3
802.11n	8	2	OFDM	BPSK	13.0 / 14.4	14.8	14.9	14.8	14.9	14.9
802.11n	9	2	OFDM	QPSK	26.0 / 28.9	14.7	14.8	14.8	14.8	14.8
802.11n	10	2	OFDM	QPSK	39.0 / 43.3	14.8	14.9	14.9	15.0	14.9
802.11n	11	2	OFDM	16QAM	52.0 / 57.8	14.2	14.3	14.3	14.3	14.2
802.11n	12	2	OFDM	16QAM	78.0 / 86.7	14.2	14.3	14.3	14.3	14.3
802.11n	13	2	OFDM	64QAM	104.0 / 115.6	13.3	13.4	13.4	13.4	13.4
802.11n	14	2	OFDM	64QAM	117.0 / 130.0	13.3	13.4	13.4	13.4	13.4
802.11n	15	2	OFDM	64QAM	130.0 / 144.4	13.3	13.4	13.4	13.4	13.3
802.11ac	0	1	OFDM	BPSK	6.5 / 7.2	14.8	14.9	14.9	15.0	14.9
802.11ac	1	1	OFDM	QPSK	13.0 / 14.4	14.7	14.8	14.8	14.9	14.9
802.11ac	2	1	OFDM	QPSK	19.5 / 21.7	14.8	14.9	14.9	15.0	14.9
802.11ac	3	1	OFDM	16QAM	26.0 / 28.9	14.2	14.3	14.3	14.3	14.2
802.11ac	4	1	OFDM	16QAM	39.0 / 43.3	14.2	14.2	14.1	14.3	14.3
802.11ac	5	1	OFDM	64QAM	52.0 / 57.8	13.3	13.4	13.4	13.4	13.4
802.11ac	6	1	OFDM	64QAM	58.5 / 65.0	13.3	13.4	13.4	13.4	13.3
802.11ac	7	1	OFDM	64QAM	65.0 / 72.2	13.3	13.3	13.3	13.4	13.3
802.11ac	8	1	OFDM	256QAM	78.0 / 86.7	10.5	10.6	10.5	10.6	10.5
802.11ac	0	2	OFDM	BPSK	13.0 / 14.4	14.8	14.9	14.9	15.0	14.9
802.11ac	1	2	OFDM	QPSK	26.0 / 28.9	14.7	14.8	14.8	14.9	14.9
802.11ac	2	2	OFDM	QPSK	39.0 / 43.3	14.8	14.9	14.9	15.0	14.9
802.11ac	3	2	OFDM	16QAM	52.0 / 57.8	14.2	14.3	14.3	14.3	14.2
802.11ac	4	2	OFDM	16QAM	78.0 / 86.7	14.2	14.2	14.1	14.3	14.3
802.11ac	5	2	OFDM	64QAM	104.0 / 115.6	13.3	13.4	13.4	13.4	13.4
802.11ac	6	2	OFDM	64QAM	117.0 / 130.0	13.3	13.4	13.4	13.4	13.3
802.11ac	7	2	OFDM	64QAM	130.0 / 144.4	13.3	13.3	13.3	13.4	13.3
802.11ac	8	2	OFDM	256QAM	156.0 / 173.3	10.5	10.6	10.5	10.6	10.5

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-1 (U-NII-1) / 40 MHz channel bandwidth							
SN: 004402740913300				MEASURED VALUES			
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	38 (36+40)	46 (44+48)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	15.6	16.0
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	15.6	16.1
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	15.5	16.1
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.5	15.0
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.5	15.0
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.5	14.1
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.6	14.1
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.5	14.1
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	15.6	16.0
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	15.6	16.1
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	15.5	16.1
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.5	15.0
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.5	15.0
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.5	14.1
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.6	14.1
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.5	14.1
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	15.5	16.0
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.4	16.0
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	15.5	16.0
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.8	15.0
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.5	15.0
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.5	14.0
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.5	14.1
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.5	14.1
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.7	11.2
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.6	11.2
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	15.5	16.0
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.4	16.0
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	15.5	16.0
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.8	15.0
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.5	15.0
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.5	14.0
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.5	14.1
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.5	14.1
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.7	11.2
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.6	11.2

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 40 MHz channel bandwidth							
SN: 004402740913300				MEASURED VALUES			
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	54 (52+56)	62 (60+64)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	15.5	15.6
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	15.6	15.6
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	15.6	15.6
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.5	14.6
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.5	14.6
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.6	13.7
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.6	13.7
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.6	13.7
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	15.5	15.6
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	15.6	15.6
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	15.6	15.6
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.5	14.6
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.5	14.6
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.6	13.7
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.6	13.7
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.6	13.7
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	15.5	15.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.4	15.5
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	15.5	15.5
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.5	14.6
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.5	14.7
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.5	13.6
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.6	13.7
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.5	13.7
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.7	10.9
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.7	10.8
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	15.5	15.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.4	15.5
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	15.5	15.5
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.5	14.6
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.5	14.7
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.5	13.6
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.6	13.7
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.5	13.7
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.7	10.9
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.7	10.8

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 40 MHz channel bandwidth											
SN: 004402740913300				MEASURED VALUES							
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	102 (100+104)	110 (108+112)	118 (116+120)	126 (124+128)	134 (132+136)	142 (140+144)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	15.5	15.5	15.4	15.4	15.3	15.3
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	15.6	15.5	15.5	15.5	15.3	15.3
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	15.6	15.5	15.5	15.4	15.3	15.3
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.5	14.5	14.4	14.4	14.3	14.3
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.6	14.5	14.4	14.4	14.3	14.3
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.6	13.5	13.5	13.4	13.3	13.3
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.6	13.6	13.5	13.5	13.4	13.4
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.6	13.5	13.5	13.4	13.4	13.3
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	15.5	15.5	15.4	15.4	15.3	15.3
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	15.6	15.5	15.5	15.5	15.3	15.3
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	15.6	15.5	15.5	15.4	15.3	15.3
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.5	14.5	14.4	14.4	14.3	14.3
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.6	14.5	14.4	14.4	14.3	14.3
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.6	13.5	13.5	13.4	13.3	13.3
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.6	13.6	13.5	13.5	13.4	13.4
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.6	13.5	13.5	13.4	13.4	13.3
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	15.4	15.4	15.4	15.4	15.3	15.2
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.4	15.4	15.3	15.3	15.2	15.1
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	15.5	15.4	15.4	15.4	15.2	15.2
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.5	14.4	14.4	14.3	14.2	14.3
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.5	14.4	14.4	14.4	14.3	14.3
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.5	13.5	13.4	13.4	13.3	13.3
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.6	13.5	13.5	13.4	13.4	13.3
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.6	13.5	13.5	13.4	13.3	13.3
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.8	10.8	10.7	10.6	10.6	10.6
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.8	10.7	10.6	10.6	10.6	10.6
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	15.4	15.4	15.4	15.4	15.3	15.2
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.4	15.4	15.3	15.3	15.2	15.1
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	15.5	15.4	15.4	15.4	15.2	15.2
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.5	14.4	14.4	14.3	14.2	14.3
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.5	14.4	14.4	14.4	14.3	14.3
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.5	13.5	13.4	13.4	13.3	13.3
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.6	13.5	13.5	13.4	13.4	13.3
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.6	13.5	13.5	13.4	13.3	13.3
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.8	10.8	10.7	10.6	10.6	10.6
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.8	10.7	10.6	10.6	10.6	10.6

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 40 MHz channel bandwidth							
SN: 004402740913300				MEASURED VALUES			
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	151 (149+153)	159 (157+161)
802.11n	0	1	OFDM	BPSK	13.5 / 15.0	15.3	15.5
802.11n	1	1	OFDM	QPSK	27.0 / 30.0	15.3	15.6
802.11n	2	1	OFDM	QPSK	40.5 / 45.0	15.3	15.5
802.11n	3	1	OFDM	16QAM	54.0 / 60.0	14.3	14.5
802.11n	4	1	OFDM	16QAM	81.0 / 90.0	14.3	14.5
802.11n	5	1	OFDM	64QAM	108.0 / 120.0	13.4	13.6
802.11n	6	1	OFDM	64QAM	121.5 / 135.0	13.4	13.6
802.11n	7	1	OFDM	64QAM	135.0 / 150.0	13.4	13.6
802.11n	8	2	OFDM	BPSK	27.0 / 30.0	15.3	15.5
802.11n	9	2	OFDM	QPSK	54.0 / 60.0	15.3	15.6
802.11n	10	2	OFDM	QPSK	81.0 / 90.0	15.3	15.5
802.11n	11	2	OFDM	16QAM	108.0 / 120.0	14.3	14.5
802.11n	12	2	OFDM	16QAM	162.0 / 180.0	14.3	14.5
802.11n	13	2	OFDM	64QAM	216.0 / 240.0	13.4	13.6
802.11n	14	2	OFDM	64QAM	243.0 / 270.0	13.4	13.6
802.11n	15	2	OFDM	64QAM	270.0 / 300.0	13.4	13.6
802.11ac	0	1	OFDM	BPSK	13.5 / 15.0	15.2	15.5
802.11ac	1	1	OFDM	QPSK	27.0 / 30.0	15.2	15.3
802.11ac	2	1	OFDM	QPSK	40.5 / 45.0	15.2	15.3
802.11ac	3	1	OFDM	16QAM	54.0 / 60.0	14.3	14.5
802.11ac	4	1	OFDM	16QAM	81.0 / 90.0	14.4	14.5
802.11ac	5	1	OFDM	64QAM	108.0 / 120.0	13.3	13.5
802.11ac	6	1	OFDM	64QAM	121.5 / 135.0	13.4	13.6
802.11ac	7	1	OFDM	64QAM	135.0 / 150.0	13.4	13.5
802.11ac	8	1	OFDM	256QAM	162.0 / 180.0	10.6	10.8
802.11ac	9	1	OFDM	256QAM	180.0 / 200.0	10.6	10.7
802.11ac	0	2	OFDM	BPSK	27.0 / 30.0	15.2	15.5
802.11ac	1	2	OFDM	QPSK	54.0 / 60.0	15.2	15.3
802.11ac	2	2	OFDM	QPSK	81.0 / 90.0	15.2	15.3
802.11ac	3	2	OFDM	16QAM	108.0 / 120.0	14.3	14.5
802.11ac	4	2	OFDM	16QAM	162.0 / 180.0	14.4	14.5
802.11ac	5	2	OFDM	64QAM	216.0 / 240.0	13.3	13.5
802.11ac	6	2	OFDM	64QAM	243.0 / 270.0	13.4	13.6
802.11ac	7	2	OFDM	64QAM	270.0 / 300.0	13.4	13.5
802.11ac	8	2	OFDM	256QAM	324.0 / 360.0	10.6	10.8
802.11ac	9	2	OFDM	256QAM	360.0 / 400.0	10.6	10.7

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-1 (U-NII-1) / 80 MHz channel bandwidth						
SN: 004402740913300				MEASURED VALUES		
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	42 (36-48)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	14.4
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	14.4
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	14.3
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	14.5
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	14.5
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	13.5
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	13.6
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	13.6
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	10.8
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	10.8
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	14.4
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	14.4
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	14.3
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	14.5
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	14.5
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	13.5
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	13.6
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	13.6
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	10.8
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	10.8

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-2 (U-NII-2A) / 80 MHz channel bandwidth						
SN: 004402740913300				MEASURED VALUES		
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	58 (52-64)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	14.3
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	14.3
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	14.3
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	14.4
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	14.4
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	13.5
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	13.5
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	13.5
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	10.7
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	10.7
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	14.3
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	14.3
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	14.3
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	14.4
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	14.4
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	13.5
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	13.5
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	13.5
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	10.7
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	10.7

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-3 (U-NII-2C) / 80 MHz channel bandwidth								
SN: 004402740913300				MEASURED VALUES				
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	106 (100-112)	122 (116-128)	138 (132-144)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	14.3	14.2	14.1
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	14.3	14.2	14.0
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	14.3	14.2	14.0
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	14.4	14.3	14.2
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	14.4	14.3	14.2
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	13.5	13.4	13.3
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	13.5	13.4	13.3
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	13.5	13.4	13.3
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	10.8	10.6	10.5
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	10.7	10.7	10.5
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	14.3	14.2	14.1
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	14.3	14.2	14.0
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	14.3	14.2	14.0
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	14.4	14.3	14.2
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	14.4	14.3	14.2
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	13.5	13.4	13.3
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	13.5	13.4	13.3
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	13.5	13.4	13.3
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	10.8	10.6	10.5
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	10.7	10.7	10.5

(WLAN5000 Body-worn and WR averaged measured values table continues)

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(WLAN5000 Body-worn and WR averaged measured values table continues)

RLAN 5 GHz Sub-4 (U-NII-3) / 80 MHz channel bandwidth						
SN: 004402740913300				MEASURED VALUES		
Standard	MCS index	Spatial streams	Transmission mode	Modulation	Data speed [MBPS]	155 (149-161)
802.11ac	0	1	OFDM	BPSK	29.3 / 32.5	14.3
802.11ac	1	1	OFDM	QPSK	58.5 / 65.0	14.3
802.11ac	2	1	OFDM	QPSK	87.8 / 97.5	14.2
802.11ac	3	1	OFDM	16QAM	117.0 / 130 .0	14.4
802.11ac	4	1	OFDM	16QAM	175.5 / 195.0	14.3
802.11ac	5	1	OFDM	64QAM	234.0 / 260.0	13.4
802.11ac	6	1	OFDM	64QAM	263.3 / 292.5	13.5
802.11ac	7	1	OFDM	64QAM	292.5 / 325.0	13.4
802.11ac	8	1	OFDM	256QAM	351.0 / 390.0	10.6
802.11ac	9	1	OFDM	256QAM	390.0 / 433.3	10.7
802.11ac	0	2	OFDM	BPSK	58.5 / 65.0	14.3
802.11ac	1	2	OFDM	QPSK	117.0 / 130.0	14.3
802.11ac	2	2	OFDM	QPSK	175.5 / 195.0	14.2
802.11ac	3	2	OFDM	16QAM	234.0 / 260.0	14.4
802.11ac	4	2	OFDM	16QAM	351.0 / 390.0	14.3
802.11ac	5	2	OFDM	64QAM	468.0 / 520.0	13.4
802.11ac	6	2	OFDM	64QAM	526.5 / 585.0	13.5
802.11ac	7	2	OFDM	64QAM	585.0 / 650.0	13.4
802.11ac	8	2	OFDM	256QAM	702.0 / 780.0	10.6
802.11ac	9	2	OFDM	256QAM	780.0 / 866.7	10.7

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4. DESCRIPTION OF THE TEST EQUIPMENT

4.1 Measurement System and Components

The measurements were performed using an automated DASY near-field scanning system manufactured by Schmid & Partner Engineering AG (SPEAG) in Switzerland. The SAR extrapolation algorithm used in all measurements was the 'advanced extrapolation' algorithm.

The following table lists calibration dates of SPEAG components:

Test Equipment	Serial Number	Calibration date	Calibration expiry
DAE4	728	2015-01	2016-01
DAE4	793	2014-10	2015-10
DAE4	538	2015-04	2016-04
DAE4	1213	2014-10	2015-10
DAE4	555	2014-11	2015-11
DAE4	1302	2015-04	2016-04
DAE4	756	2015-04	2016-04
E-field Probe ES3DV3	3276	2015-04	2016-04
E-field Probe ES3DV3	3131	2014-10	2015-10
E-field Probe EX3DV4	3892	2015-04	2016-04
E-field Probe EX3DV4	3835	2014-10	2015-10
E-field Probe ES3DV3	3194	2015-01	2016-01
E-field Probe ES3DV3	3275	2015-04	2016-04
E-field Probe EX3DV4	3852	2015-04	2016-04
Dipole Validation Kit, D750V3	1075	2015-01	2017-01
Dipole Validation Kit, D835V2	480	2015-01	2017-01
Dipole Validation Kit, D1750V2	1082	2015-01	2017-01
Dipole Validation Kit, D1900V2	5d013	2015-01	2017-01
Dipole Validation Kit, D2450V2	749	2015-01	2017-01
Dipole Validation Kit, D2600V2	1056	2015-01	2017-01
Dipole Validation Kit, D5GHzV2	1048	2015-01	2017-01
DASY5 software	Version 52.8	-	-

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Additional test equipment used in testing:

Test Equipment	Model	Serial Number	Calibration date	Calibration expiry
Signal Generator	E4438C	MY42080610	2015-04	2016-04
Signal Generator	SML03	101264	2015-04	2016-04
Signal Generator	SMB100A	105735	2015-04	2016-04
Signal Generator	E4436B	US39260114	2015-04	2016-04
Signal Generator	SME06	836407/007	2015-04	2016-04
Signal Generator	N5181B	MY51350034	2015-04	2016-04
Signal Generator	E8247C	MY43321016	2015-04	2016-04
Amplifier	5S1G4	25583	-	-
Amplifier	ZHL-42-SMA	NO72095-5	-	-
Amplifier	5S4G11	312661	-	-
Amplifier	ZVE-3W-83+	373701337 / 1005	-	-
Amplifier	5S1G4	330638	-	-
Amplifier	ZHL-42	854105	-	-
Amplifier	10S1G4A	322327	-	-
Amplifier	ZVE-8G+	811401219	-	-
Amplifier	ZHL-1000-3W	277201310	-	-
Power Meter	NRVS	838623/006	2015-07	2016-06
Power Meter	NRVD	840023/028	2015-04	2016-04
Power Meter	NRP	101465	2015-04	2016-04
Power Meter	NRVZ	849305/029	2015-04	2016-04
Power Meter	NRVD	840297/032	2015-04	2016-04
Power Meter	NRP	101466	2015-04	2016-04
Power Meter	NRP	100714	2015-04	2016-04
Power Sensor	NRV-Z32	100067	2015-04	2016-04
Power Sensor	NRV-Z32	849745/018	2015-04	2016-04
Power Sensor	NRP-Z92	100088	2015-04	2016-04
Power Sensor	NRV-Z32	825600/002	2015-04	2016-04
Power Sensor	NRV-Z53	848532/001	2015-04	2016-04
Power Sensor	NRP-Z92	100087	2015-04	2016-04
Power Sensor	NRP-Z92	100085	2015-04	2016-04

(Table continues)

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(Table continues)

Test Equipment	Model	Serial Number	Calibration date	Calibration expiry
Call Tester	CMU 200	103293	-	-
Call Tester	CMU 200	104983	-	-
Call Tester	CMU 200	103294	-	-
Call Tester	CMU 200	101111	-	-
Call Tester	CMW 500	145474	-	-
Call Tester	CMW 500	108406	-	-
Call Tester	CMW 500	110565	-	-
Call Tester	CMW 500	136294	-	-
Call Tester	MT8820C	6200883095		
Call Tester	MT8820C	6201060952	-	-
Network Analyzer	ENA E5071C	MY46213166	2015-04	2016-04
Network Analyzer	ENA E5071C	MY46315958	2015-04	2016-04
Dielectric Probe Kit	DAK-3.5	1042	-	-
Dielectric Probe Kit	DAK-3.5	2088	-	-

4.1.1 Isotropic E-field Probe Type ES3DV3

Construction
Symmetrical design with triangular core
Interleaved sensors
Built-in shielding against static charges
PEEK enclosure material (resistant to organic solvents, e.g., butyl diglycol)

Calibration
Calibration certificate in Appendix D

Frequency
10 MHz to 4 GHz (dosimetry); Linearity: ± 0.2 dB (30 MHz to 4 GHz)

Directivity
± 0.2 dB in HSL (rotation around probe axis)
± 0.3 dB in HSL (rotation normal to probe axis)

Dynamic Range
5 µW/g to > 100 mW/g; Linearity: ± 0.2 dB

Dimensions
Overall length: 330 mm
Tip length: 20 mm
Body diameter: 12 mm
Tip diameter: 3.9 mm
Distance from probe tip to dipole centers: 2.0 mm

Application
General dosimetry up to 4 GHz
Compliance tests of mobile phones
Fast automatic scanning in arbitrary phantoms

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4.1.2 Isotropic E-field Probe Type EX3DV4

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	Calibration certificate in Appendix D
Frequency	10 MHz to >6 GHz (dosimetry); Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic Range	10 µW/g to > 100 mW/g, Linearity: ± 0.2 dB
Dimensions	Overall length: 330 mm Tip length: 10 mm Body diameter: 12 mm Tip diameter: 2.5 mm Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 6 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms

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4.2 Phantoms

The phantom used for all Head SAR tests i.e. for both system checks and device testing, was the twin-headed "SAM Phantom", manufactured by SPEAG; the SAM phantom conforms to the requirements of IEEE 1528.

The phantom used for all Body SAR tests i.e. for both system checks and device testing, was a flat phantom also manufactured by SPEAG this phantom conform to the requirements of FCC published RF Exposure KDB Procedures.

The SPEAG device holder (see Section 5.1) was used to position the device in all tests whilst a tripod was used to position the validation dipoles against the flat section of phantom.

4.3 Tissue Simulants

Recommended values for the dielectric parameters of the tissue simulants are given in IEEE 1528 and FCC published RF Exposure KDB Procedures. All tests were carried out using simulants whose dielectric parameters were within ± 5% of the recommended values. All tests were carried out within 24 hours of measuring the dielectric parameters.

The depth of the tissue simulant was at least 15.0 cm for all system check and device tests, measured from the ear reference point in the case of the SAM phantom and from the inner surface of the flat phantom.

4.3.1 Tissue Simulant Recipes

The following recipe(s) were used for Head and Body tissue simulant(s):

700 MHz band

Ingredient	Head (% by weight)	Body (% by weight)
Deionised Water	52.13	69.23
Tween 20	46.59	29.56
Salt	1.28	1.21

800 MHz band

Ingredient	Head (% by weight)	Body (% by weight)
Deionised Water	51.50	69.25
Tween 20	47.35	30.00
Salt	1.15	0.75

1750 MHz band

Ingredient	Head (% by weight)	Body (% by weight)
Deionised Water	54.0	70.20
Tween 20	45.6	29.37
Salt	0.4	0.43

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1900 MHz band

Ingredient	Head (% by weight)	Body (% by weight)
Deionised Water	54.50	70.25
Tween 20	45.23	29.41
Salt	0.27	0.34

2450-2600 MHz band

Ingredient	Head (% by weight)	Body (% by weight)
Deionised Water	56.0	70.20
Tween 20	44.0	29.62
Salt	-	0.18

5000 MHz band †

Ingredient	Head (% by weight)	Body (% by weight)
Water	50-65	60-80
Oil	10-30	-
Emulsifiers, Esters, Inhibitors	8-25	20-40
Sodium salt	0-1.5	0-1.5

† Recipe is proprietary to SPEAG. The proportions of the constituents have not been disclosed

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4.4 System validation and System checking

4.4.1 System validation status

Probe Calibration Point f / MHz	Test System	Dipole Type / SN	Probe Type / SN	Calibrated signal type(s)	DAE4 unit / SN	Validation done	
						Head tissue simulant	Body tissue simulant
750	TCC Salo SAR-4	D750V2 1075	EX3DV4 3835	CW	1213	2014-10	2014-10
835	TCC Salo SAR-2	D835V2 480	ES3DV3 3131	CW	793	2014-10	2014-12
1750	TCC Salo SAR-1	D1750V2 1082	ES3DV3 3276	CW	728	2015-05	2015-05
1750	TCC Salo SAR-5	D1750V2 1082	ES3DV3 3194	CW	555	2015-03	2015-05
1900	TCC Salo SAR-6	D1900V2 5d013	ES3DV3 3275	CW	1302	2015-05	2015-05
2450	TCC Salo SAR-3	D2450V2 749	EX3DV4 3892	CW	538	2015-05	2015-05
2450	TCC Salo SAR-8	D2450V2 749	EX3DV4 3852	CW	756	2015-05	2015-05
2600	TCC Salo SAR-3	D2600V2 1056	EX3DV4 3892	CW	538	2015-05	2015-05
5200	TCC Salo SAR-8	D5GHzV2 1048	EX3DV4 3852	CW	756	2015-05	2015-05
5300	TCC Salo SAR-8	D5GHzV2 1048	EX3DV4 3852	CW	756	2015-05	2015-05
5500	TCC Salo SAR-8	D5GHzV2 1048	EX3DV4 3852	CW	756	2015-05	2015-05
5600	TCC Salo SAR-8	D5GHzV2 1048	EX3DV4 3852	CW	756	2015-05	2015-05
5800	TCC Salo SAR-8	D5GHzV2 1048	EX3DV4 3852	CW	756	2015-05	2015-05

4.4.2 System checking

The manufacturer calibrates the probes annually. Dielectric parameters of the tissue simulants were measured every day using the dielectric probe kit and the network analyser. A system check measurement was made following the determination of the dielectric parameters of the simulant, using the dipole validation kit. A power level of 250 mW was supplied to the dipole antenna, except in the case of the 5000 MHz dipole for which 100 mW was supplied. The dipole was placed under the flat section of the twin SAM phantom for head system checking, and under the flat phantom for body system checking. The system checking results (dielectric parameters and SAR values) are given in the table below.

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System checking, head tissue simulant

Dipole freq. [MHz]	Description	SAR 1g [W/kg]	Estimated SAR 1g [W/kg]	Estimated SAR 1g Dev. dSAR [%]	Scaled 1W SAR 1g [W/kg]	Dielectric Parameters		SAR 1g Deviation from target	Dielectric Parameters Deviation from target		Temp [°C]	Plot #
						e_r	s [S/m]	dSAR [%]	de_r [%]	ds [%]		
	Tolerances			±3%				±10 %	±5 %	±5 %		
750	Target result **SN:1075**	-	-	-	8.13	41.9	0.89	TCC Salo / SAR-4 EX3DV4 - SN:3835 Head 750 MHz				
	2015-06-30	2.01	2.05	1.99	8.04	41.1	0.89	-1.11	-1.91	0.00	22.1	-
	2015-07-01	2.00	2.05	2.50	8.00	41.1	0.89	-1.60	-1.91	0.00	21.3	1
	2015-07-02	2.03	2.07	1.97	8.12	40.5	0.88	-0.12	-3.34	-1.12	21.9	-
	2015-07-03	2.05	2.09	1.95	8.20	41.2	0.89	0.86	-1.67	0.00	21.9	-
	2015-08-27	2.04	2.08	1.96	8.16	40.8	0.91	0.37	-2.63	2.25	22.0	-
	Tolerances			±3%				±10 %	±5 %	±5 %		
835	Target result **SN:480**	-	-	-	9.13	41.5	0.90	TCC Salo / SAR-2 ES3DV3 - SN:3131 Head 835 MHz				
	2015-06-30	2.30	2.33	1.30	9.20	41.1	0.91	0.77	-0.96	1.11	22.2	-
	2015-07-01	2.24	2.28	1.79	8.96	41.2	0.90	-1.86	-0.72	0.00	22.0	2
	2015-07-02	2.27	2.32	2.20	9.08	41.2	0.90	-0.55	-0.72	0.00	22.2	-
	2015-07-03	2.26	2.29	1.33	9.04	41.1	0.90	-0.99	-0.96	0.00	22.2	-
	2015-07-06	2.28	2.31	1.32	9.12	41.1	0.91	-0.11	-0.96	1.11	22.0	-
	2015-08-26	2.26	2.29	1.33	9.04	40.5	0.90	-0.99	-2.41	0.00	22.5	-
	Tolerances			±3%				±10 %	±5 %	±5 %		
1750	Target result **SN:1082**	-	-	-	36.60	40.1	1.37	TCC Salo / SAR-1 ES3DV3 - SN:3276 Head 1750 MHz				
	2015-08-31	8.91	9.11	2.24	35.64	39.8	1.32	-2.62	-0.75	-3.65	21.0	3
	Tolerances			±3%				±10 %	±5 %	±5 %		
1750	Target result **SN:1082**	-	-	-	36.60	40.1	1.37	TCC Salo / SAR-5 ES3DV3 - SN:3194 Head 1750 MHz				
	2015-07-01	9.37	9.61	2.56	37.48	39.6	1.35	2.40	-1.25	-1.46	22.9	4
	2015-07-02	9.20	9.45	2.72	36.80	40.1	1.34	0.55	0.00	-2.19	23.0	-
	2015-07-03	9.06	9.33	2.98	36.24	39.1	1.32	-0.98	-2.49	-3.65	23.0	-
	2015-07-05	9.17	9.44	2.94	36.68	39.5	1.35	0.22	-1.50	-1.46	22.3	-
	Tolerances			±3%				±10 %	±5 %	±5 %		
1900	Target result **SN:5d013**	-	-	-	40.70	40.0	1.40	TCC Salo / SAR-6 ES3DV3 - SN:3275 Head 1900 MHz				
	2015-06-30	10.10	10.30	1.98	40.40	40.0	1.39	-0.74	0.00	-0.71	23.0	-
	2015-07-01	9.98	10.00	0.20	39.92	38.6	1.38	-1.92	-3.50	-1.43	22.9	-
	2015-07-02	10.10	10.00	-0.99	40.40	40.1	1.39	-0.74	0.25	-0.71	22.8	-
	2015-07-03	10.20	10.20	0.00	40.80	39.6	1.39	0.25	-1.00	-0.71	22.2	-
	2015-07-04	10.00	10.10	1.00	40.00	39.8	1.42	-1.72	-0.50	1.43	21.6	-
	2015-07-06	10.20	10.20	0.00	40.80	39.0	1.42	0.25	-2.50	1.43	20.7	-
	2015-09-01	9.70	9.81	1.13	38.80	38.5	1.36	-4.67	-3.75	-2.86	22.8	5
	2015-09-02	9.88	9.96	0.81	39.52	38.7	1.37	-2.90	-3.25	-2.14	22.5	-
	Tolerances			±3%				±10 %	±5 %	±5 %		
2450	Target result **SN:749**	-	-	-	52.10	39.2	1.80	TCC Salo / SAR-3 EX3DV4 - SN:3892 Head 2450 MHz				
	2015-09-01	12.50	12.60	0.80	50.00	38.8	1.75	-4.03	-1.02	-2.78	22.6	6
	Tolerances			±3%				±10 %	±5 %	±5 %		
2450	Target result **SN:749**	-	-	-	52.10	39.2	1.80	TCC Salo / SAR-8 EX3DV4 - SN:3852 Head 2450 MHz				
	2015-07-02	13.80	13.70	-0.72	55.20	38.6	1.83	5.95	-1.53	1.67	21.5	7

(System checking, head table continues)

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(System checking, head table continues)

Dipole freq. [MHz]	Description	SAR 1g [W/kg]	Estimated SAR 1g [W/kg]	Estimated SAR 1g Dev. dSAR [%]	Scaled 1W SAR 1g [W/kg]	Dielectric Parameters		SAR 1g Deviation from target	Dielectric Parameters Deviation from target		Temp [°C]	Plot #
						e_r	s [S/m]	dSAR [%]	de_r [%]	ds [%]		
	Tolerances			±3%				±10 %	±5 %	±5 %		
2600	Target result **SN:1056**	-	-	-	56.80	39.0	1.96	TCC Salo / SAR-3 EX3DV4 - SN:3892 Head 2600 MHz				
	2015-07-07	14.60	14.60	0.00	58.40	37.6	1.93	2.82	-3.59	-1.53	22.3	8
	2015-08-26	14.00	14.30	2.14	56.00	38.5	1.89	-1.41	-1.28	-3.57	23.4	-
	Tolerances			±3%				±10 %	±5 %	±5 %		
5200	Target result **SN:1048**	-	-	-	79.00	36.0	4.66	TCC Salo / SAR-8 EX3DV4 - SN:3852 Head 5200 MHz				
	2015-07-01	8.10	-	-	81.00	36.3	4.61	2.53	0.83	-1.07	21.3	9
	Tolerances			±3%				±10 %	±5 %	±5 %		
5300	Target result **SN:1048**	-	-	-	84.10	35.9	4.76	TCC Salo / SAR-8 EX3DV4 - SN:3852 Head 5300 MHz				
	2015-07-01	8.36	-	-	83.60	36.2	4.71	-0.59	0.84	-1.05	21.3	-
	2015-07-06	8.19	-	-	81.90	36.5	4.72	-2.62	1.67	-0.84	21.6	10
	2015-08-30	8.25	-	-	82.50	35.5	4.61	-1.90	-1.11	-3.15	21.8	-
	Tolerances			±3%				±10 %	±5 %	±5 %		
5500	Target result **SN:1048**	-	-	-	81.80	35.6	4.96	TCC Salo / SAR-8 EX3DV4 - SN:3852 Head 5500 MHz				
	2015-07-01	7.56	-	-	75.60	35.9	4.91	-7.58	0.84	-1.01	21.3	11
	2015-07-06	7.73	-	-	77.30	36.2	4.92	-5.50	1.69	-0.81	21.6	-
	Tolerances			±3%				±10 %	±5 %	±5 %		
5600	Target result **SN:1048**	-	-	-	81.40	35.5	5.07	TCC Salo / SAR-8 EX3DV4 - SN:3852 Head 5600 MHz				
	2015-07-01	8.75	-	-	87.50	35.8	5.02	7.49	0.85	-0.99	21.3	12
	2015-07-06	7.94	-	-	79.40	36.1	5.03	-2.46	1.69	-0.79	21.6	-
	Tolerances			±3%				±10 %	±5 %	±5 %		
5800	Target result **SN:1048**	-	-	-	78.90	35.3	5.27	TCC Salo / SAR-8 EX3DV4 - SN:3852 Head 5800 MHz				
	2015-07-01	7.52	-	-	75.20	35.5	5.26	-4.69	0.57	-0.19	21.3	-
	2015-07-06	7.20	-	-	72.00	35.8	5.25	-8.75	1.42	-0.38	21.6	13

* Dielectric parameter reference data taken from IEEE1528/IEC62209

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System checking, body tissue simulant

Dipole freq. [MHz]	Description	SAR 1g [W/kg]	Estimated SAR 1g [W/kg]	Estimated SAR 1g Dev. dSAR [%]	Scaled 1W SAR 1g [W/kg]	Dielectric Parameters		SAR 1g Deviation from target	Dielectric Parameters Deviation from target		Temp [°C]	Plot #
						e_r	s [S/m]	dSAR [%]	de_r [%]	ds [%]		
	Tolerances			±3%				±10 %	±5 %	±5 %		
750	Target result **SN:1075**	-	-	-	8.50	55.5	0.96	TCC Salo / SAR-4 EX3DV4 - SN:3835 Body 750 MHz				
	2015-07-06	2.20	2.23	1.36	8.80	54.3	0.98	3.53	-2.16	2.08	22.0	-
	2015-07-07	2.26	2.30	1.77	9.04	54.2	0.98	6.35	-2.34	2.08	22.1	14
	2015-08-28	2.18	2.19	0.46	8.72	53.6	0.97	2.59	-3.42	1.04	22.0	-
	Tolerances			±3%				±10 %	±5 %	±5 %		
835	Target result **SN:480**	-	-	-	9.02	55.2	0.97	TCC Salo / SAR-2 ES3DV3 - SN:3131 Body 835 MHz				
	2015-07-07	2.38	2.42	1.68	9.52	53.9	0.98	5.54	-2.36	1.03	21.9	-
	2015-07-08	2.35	2.37	0.85	9.40	53.7	0.97	4.21	-2.72	0.00	21.7	-
	2015-07-15	2.43	2.46	1.23	9.72	53.6	0.98	7.76	-2.90	1.03	21.6	15
	2015-08-27	2.34	2.37	1.28	9.36	54.1	0.98	3.77	-1.99	1.03	22.2	-
	Tolerances			±3%				±10 %	±5 %	±5 %		
1750	Target result **SN:1082**	-	-	-	37.50	53.4	1.49	TCC Salo / SAR-1 ES3DV3 - SN:3276 Body 1750 MHz				
	2015-08-30	9.38	9.51	1.39	37.52	51.5	1.45	0.05	-3.56	-2.68	20.8	16
	Tolerances			±3%				±10 %	±5 %	±5 %		
1750	Target result **SN:1082**	-	-	-	37.50	53.4	1.49	TCC Salo / SAR-5 ES3DV3 - SN:3194 Body 1750 MHz				
	2015-07-06	9.04	9.16	1.33	36.16	52.5	1.43	-3.57	-1.69	-4.03	23.0	-
	2015-07-07	9.08	9.21	1.43	36.32	52.3	1.45	-3.15	-2.06	-2.68	22.9	-
	2015-07-08	9.07	9.18	1.21	36.28	52.2	1.45	-3.25	-2.25	-2.68	23.0	-
	2015-07-10	9.09	9.20	1.21	36.36	52.0	1.45	-3.04	-2.62	-2.68	23.0	-
	2015-07-25	9.02	9.21	2.11	36.08	51.4	1.44	-3.79	-3.75	-3.36	22.7	17
	Tolerances			±3%				±10 %	±5 %	±5 %		
1900	Target result **SN:5d013**	-	-	-	40.50	53.3	1.52	TCC Salo / SAR-6 ES3DV3 - SN:3275 Body 1900 MHz				
	2015-07-06	9.89	9.90	0.10	39.56	52.4	1.53	-2.32	-1.69	0.66	21.4	-
	2015-07-07	9.71	9.58	-1.34	38.84	52.3	1.54	-4.10	-1.88	1.32	21.5	-
	2015-09-02	9.53	9.54	0.10	38.12	51.7	1.49	-5.88	-3.00	-1.97	22.1	18
	2015-09-03	9.70	9.71	0.10	38.80	51.4	1.50	-4.20	-3.56	-1.32	22.8	-
	Tolerances			±3%				±10 %	±5 %	±5 %		
2450	Target result **SN:749**	-	-	-	50.80	52.7	1.95	TCC Salo / SAR-3 EX3DV4 - SN:3892 Body 2450 MHz				
	2015-08-28	11.90	11.80	-0.84	47.60	51.6	1.91	-6.30	-2.09	-2.05	22.5	19
	Tolerances			±3%				±10 %	±5 %	±5 %		
2450	Target result **SN:749**	-	-	-	50.80	52.7	1.95	TCC Salo / SAR-8 EX3DV4 - SN:3852 Body 2450 MHz				
	2015-07-03	13.60	13.40	-1.47	54.40	52.5	1.95	7.09	-0.38	0.00	21.2	20
	Tolerances			±3%				±10 %	±5 %	±5 %		
2600	Target result **SN:1056**	-	-	-	55.90	52.5	2.16	TCC Salo / SAR-3 EX3DV4 - SN:3892 Body 2600 MHz				
	2015-07-06	13.30	13.30	0.00	53.20	51.7	2.10	-4.83	-1.52	-2.78	22.5	-
	2015-07-15	13.80	13.80	0.00	55.20	51.4	2.10	-1.25	-2.10	-2.78	22.4	-
	2015-08-28	13.20	13.50	2.27	52.80	51.2	2.09	-5.55	-2.48	-3.24	22.5	21

(System checking, body table continues)

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(System checking, body table continues)

Dipole freq. [MHz]	Description	SAR 1g [W/kg]	Estimated SAR 1g [W/kg]	Estimated SAR 1g Dev. dSAR [%]	Scaled 1W SAR 1g [W/kg]	Dielectric Parameters		SAR 1g Deviation from target	Dielectric Parameters Deviation from target		Temp [°C]	Plot #
						e_r	s [S/m]	dSAR [%]	de_r [%]	ds [%]		
	Tolerances			±3%				±10 %	±5 %	±5 %		
5200	Target result **SN:1048**	-	-	-	74.40	49.0	5.30	TCC Salo / SAR-8 EX3DV4 - SN:3852 Body 5200 MHz				
	2015-07-05	7.43	-	-	74.30	47.6	5.43	-0.13	-2.86	2.45	21.5	-
	2015-08-30	7.78	-	-	77.80	46.9	5.48	4.57	-4.29	3.40	21.7	22
	Tolerances			±3%				±10 %	±5 %	±5 %		
5300	Target result **SN:1048**	-	-	-	75.00	48.9	5.42	TCC Salo / SAR-8 EX3DV4 - SN:3852 Body 5300 MHz				
	2015-07-04	8.18	-	-	81.80	47.8	5.57	9.07	-2.25	2.77	21.3	23
	Tolerances			±3%				±10 %	±5 %	±5 %		
5500	Target result **SN:1048**	-	-	-	78.70	48.6	5.65	TCC Salo / SAR-8 EX3DV4 - SN:3852 Body 5500 MHz				
	2015-07-04	7.67	-	-	76.70	47.4	5.83	-2.54	-2.47	3.19	21.3	-
	2015-08-31	8.27	-	-	82.70	46.3	5.85	5.08	-4.73	3.54	21.7	24
	Tolerances			±3%				±10 %	±5 %	±5 %		
5800	Target result **SN:1048**	-	-	-	76.00	48.2	6.00	TCC Salo / SAR-8 EX3DV4 - SN:3852 Body 5800 MHz				
	2015-07-04	7.56	-	-	75.60	47.0	6.24	-0.53	-2.49	4.00	21.3	25

* Dielectric parameter reference data taken from FCC Published RF Exposure KDB Procedures

Plots of the system checking scans are given in Appendix A.

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4.5 Tissue Simulants used in the Measurements

Head tissue simulant measurements

f [MHz]	Description	Dielectric Parameters e_r	Dielectric Parameters s [S/m]	Dielectric Parameters Deviation from recommended value de_r [%]	Dielectric Parameters Deviation from recommended value ds [%]	Temp [°C]
707	Tolerances			±5 %	±5 %	
	Recommended value	42.2	0.89			
	2015-06-30	41.4	0.87	-1.90	-2.25	22.1
	2015-07-01	41.4	0.86	-1.90	-3.37	21.3
	2015-07-02	40.8	0.85	-3.32	-4.49	21.9
	2015-07-03	41.6	0.87	-1.42	-2.25	21.9
	2015-08-27	41.1	0.88	-2.61	-1.12	22.0
710	Tolerances			±5 %	±5 %	
	Recommended value	42.1	0.89			
	2015-06-30	41.4	0.87	-1.66	-2.25	22.1
	2015-07-01	41.3	0.86	-1.90	-3.37	21.3
	2015-07-02	40.8	0.85	-3.09	-4.49	21.9
	2015-07-03	41.5	0.87	-1.43	-2.25	21.9
	2015-08-27	41.1	0.89	-2.38	0.00	22.0
835	Tolerances			±5 %	±5 %	
	Recommended value	41.5	0.90			
	2015-06-30	41.1	0.91	-0.96	1.11	22.2
	2015-07-01	41.2	0.90	-0.72	0.00	22.0
	2015-07-02	41.2	0.90	-0.72	0.00	22.2
	2015-07-03	41.1	0.90	-0.96	0.00	22.2
	2015-07-06	41.1	0.91	-0.96	1.11	22.0
	2015-08-26	40.5	0.90	-2.41	0.00	22.5
836	Tolerances			±5 %	±5 %	
	Recommended value	41.5	0.90			
	2015-06-30	41.1	0.91	-0.96	1.11	22.2
	2015-07-01	41.2	0.90	-0.72	0.00	22.0
	2015-07-02	41.2	0.91	-0.72	1.11	22.2
	2015-07-03	41.1	0.91	-0.96	1.11	22.2
	2015-07-06	41.1	0.91	-0.96	1.11	22.0
	2015-08-26	40.5	0.90	-2.41	0.00	22.5
1732	Tolerances			±5 %	±5 %	
	Recommended value	40.1	1.36			
	2015-07-01	39.7	1.34	-1.00	-1.47	22.9
	2015-07-02	40.1	1.32	0.00	-2.94	23.0
	2015-07-03	39.2	1.31	-2.24	-3.68	23.0
	2015-07-05	39.6	1.33	-1.25	-2.21	22.3
	2015-08-31	39.8	1.31	-0.75	-3.68	21.0

(Head tissue simulant table continues)

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(Head tissue simulant table continues)

f [MHz]	Description	Dielectric Parameters		Dielectric Parameters Deviation from recommended value		Temp [°C]
		e_r	s [S/m]	de_r [%]	ds [%]	
1880	Tolerances			±5 %	±5 %	
	Recommended value	40.0	1.40			
	2015-06-30	40.1	1.37	0.25	-2.14	23.0
	2015-07-01	38.7	1.35	-3.25	-3.57	22.9
	2015-07-02	40.2	1.37	0.50	-2.14	22.8
	2015-07-03	39.7	1.37	-0.75	-2.14	22.2
	2015-07-04	39.8	1.39	-0.50	-0.71	21.6
	2015-07-06	39.1	1.40	-2.25	0.00	20.7
	2015-09-01	38.6	1.34	-3.50	-4.29	22.8
	2015-09-02	38.8	1.35	-3.00	-3.57	22.5
2437	Tolerances			±5 %	±5 %	
	Recommended value	39.2	1.79			
	2015-07-02	38.7	1.82	-1.28	1.68	21.5
	2015-09-01	38.8	1.74	-1.02	-2.79	22.6
2535	Tolerances			±5 %	±5 %	
	Recommended value	39.1	1.89			
	2015-07-07	37.9	1.85	-3.07	-2.12	22.3
	2015-08-26	38.8	1.81	-0.77	-4.23	23.4
5210	Tolerances			±5 %	±5 %	
	Recommended value	36.0	4.67			
	2015-07-01	36.3	4.63	0.83	-0.86	21.3
5290	Tolerances			±5 %	±5 %	
	Recommended value	35.9	4.75			
	2015-07-01	36.2	4.70	0.84	-1.05	21.3
	2015-07-06	36.5	4.71	1.67	-0.84	21.6
	2015-08-30	35.5	4.59	-1.11	-3.37	21.8
5520	Tolerances			±5 %	±5 %	
	Recommended value	35.6	4.99			
	2015-07-01	35.9	4.93	0.84	-1.20	21.3
	2015-07-06	36.2	4.95	1.69	-0.80	21.6
5620	Tolerances			±5 %	±5 %	
	Recommended value	35.5	5.09			
	2015-07-01	35.8	5.04	0.85	-0.98	21.3
	2015-07-06	36.1	5.06	1.69	-0.59	21.6
5760	Tolerances			±5 %	±5 %	
	Recommended value	35.3	5.23			
	2015-07-01	35.6	5.18	0.85	-0.96	21.3
	2015-07-06	35.9	5.21	1.70	-0.38	21.6

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Body tissue simulant measurements

f [MHz]	Description	Dielectric Parameters e_r	Dielectric Parameters s [S/m]	Dielectric Parameters Deviation from recommended value de_r [%]	Dielectric Parameters Deviation from recommended value ds [%]	Temp [°C]
707	Tolerances			±5 %	±5 %	
	Recommended value	55.7	0.96			
	2015-07-06	54.5	0.95	-2.15	-1.04	22.0
	2015-07-07	54.5	0.96	-2.15	0.00	22.1
	2015-08-28	53.8	0.95	-3.41	-1.04	22.0
710	Tolerances			±5 %	±5 %	
	Recommended value	55.7	0.96			
	2015-07-06	54.5	0.95	-2.15	-1.04	22.0
	2015-07-07	54.5	0.96	-2.15	0.00	22.1
	2015-08-28	53.8	0.95	-3.41	-1.04	22.0
835	Tolerances			±5 %	±5 %	
	Recommended value	55.2	0.97			
	2015-07-07	53.9	0.98	-2.36	1.03	21.9
	2015-07-08	53.7	0.97	-2.72	0.00	21.7
	2015-07-15	53.6	0.98	-2.90	1.03	21.6
	2015-08-27	54.1	0.98	-1.99	1.03	22.2
836	Tolerances			±5 %	±5 %	
	Recommended value	55.2	0.97			
	2015-07-07	53.9	0.98	-2.36	1.03	21.9
	2015-07-08	53.7	0.98	-2.72	1.03	21.7
	2015-07-15	53.6	0.98	-2.90	1.03	21.6
	2015-08-27	54.1	0.98	-1.99	1.03	22.2
1732	Tolerances			±5 %	±5 %	
	Recommended value	53.5	1.48			
	2015-07-06	52.6	1.42	-1.68	-4.05	23.0
	2015-07-07	52.3	1.43	-2.24	-3.38	22.9
	2015-07-08	52.2	1.44	-2.43	-2.70	23.0
	2015-07-10	52.0	1.44	-2.80	-2.70	23.0
	2015-07-25	51.4	1.43	-3.93	-3.38	22.7
	2015-08-30	51.6	1.44	-3.55	-2.70	20.8
1880	Tolerances			±5 %	±5 %	
	Recommended value	53.3	1.52			
	2015-07-06	52.5	1.51	-1.50	-0.66	21.4
	2015-07-07	52.4	1.52	-1.69	0.00	21.5
	2015-09-02	51.8	1.47	-2.81	-3.29	22.1
	2015-09-03	51.5	1.48	-3.38	-2.63	22.8
2437	Tolerances			±5 %	±5 %	
	Recommended value	52.7	1.94			
	2015-07-03	52.6	1.94	-0.19	0.00	21.2
	2015-08-28	51.6	1.90	-2.09	-2.06	22.5

(Body tissue simulant table continues)

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(Body tissue simulant table continues)

f [MHz]	Description	Dielectric Parameters		Dielectric Parameters Deviation from recommended value		Temp [°C]
		e_r	s [S/m]	de_r [%]	ds [%]	
2535	Tolerances			±5 %	±5 %	
	Recommended value	52.6	2.07			
	2015-07-06	51.9	2.02	-1.33	-2.42	22.5
	2015-07-15	51.6	2.02	-1.90	-2.42	22.4
	2015-08-28	51.3	2.02	-2.47	-2.42	22.5
5210	Tolerances			±5 %	±5 %	
	Recommended value	49.0	5.31			
	2015-07-05	47.6	5.44	-2.86	2.45	21.5
	2015-08-30	46.9	5.49	-4.29	3.39	21.7
5290	Tolerances			±5 %	±5 %	
	Recommended value	48.9	5.40			
	2015-07-04	47.8	5.56	-2.25	2.96	21.3
5520	Tolerances			±5 %	±5 %	
	Recommended value	48.6	5.67			
	2015-07-04	47.4	5.87	-2.47	3.53	21.3
	2015-08-31	46.3	5.89	-4.73	3.88	21.7
5760	Tolerances			±5 %	±5 %	
	Recommended value	48.3	5.95			
	2015-07-04	47.1	6.20	-2.48	4.20	21.3

Dielectric parameter data for the band edges is given in Appendix C.

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5. DESCRIPTION OF THE TEST PROCEDURE

5.1 Device Holder

The device was placed in the device holder (illustrated below) that is supplied by SPEAG as an integral part of the Dasy system.

Device holder supplied by SPEAG

A spacer (illustrated below) was used to position the device within the SPEAG holder. The spacer positions the device so that the holder has minimal effect on the test results but still holds the device securely. The spacer was removed before the tests.

Spacer

5.2 Test Positions

5.2.1 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".

5.2.2 Body-worn 15 mm Configuration

The device was placed in the SPEAG holder using the spacer and placed below the flat phantom. The distance between the device and the phantom was kept at the separation distance indicated in Section 1.2 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.

Microsoft Body-worn accessories are commonly available for the separation distance used in this testing.

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5.2.3 Wireless Router 10 mm Configuration

The device was placed in the SPEAG holder and, in sequence, the back, display and each of the 4 edges was positioned 10 mm away from the flat phantom. The spacer was removed before the start of the measurements.

5.3 Scan Procedures

First, area scans were used for determination of the field distribution. Next, a zoom scan, a minimum of 5x5x7 points covering a volume of at least 30x30x30mm, was performed around the highest E-field value to determine the averaged SAR value. Drift was determined by measuring the same point at the start of the area scan and again at the end of the zoom scan. Fast SAR is measured according to the KDB 447498 D01 General RF Exposure Guidance v05r01.

5.4 SAR Averaging Methods

The maximum SAR value was averaged over a cube of tissue using interpolation and extrapolation.

The interpolation, extrapolation and maximum search routines within Dasy52 are all based on the modified Quadratic Shepard's method (Robert J. Renka,"Multivariate Interpolation of Large Sets of Scattered Data", University of North Texas ACM Transactions on Mathematical Software, vol. 14, no. 2, June 1988, pp. 139-148).

The interpolation scheme combines a least-square fitted function method with a weighted average method. A trivariate 3-D / bivariate 2-D quadratic function is computed for each measurement point and fitted to neighbouring points by a least-square method. For the zoom scan, inverse distance weighting is incorporated to fit distant points more accurately. The interpolating function is finally calculated as a weighted average of the quadratics.

In the zoom scan, the interpolation function is used to extrapolate the Peak SAR from the deepest measurement points to the inner surface of the phantom.

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6. MEASUREMENT UNCERTAINTY

Table 6.1 – Measurement uncertainty evaluation for 1g Full SAR in 0.3-6G Hz range

Uncertainty Component	Section in IEEE 1528	Tol. (%)	Prob Dist	Div	c_i	$c_i . u_i$ (%)	v_i
Measurement System							
Probe Calibration	E2.1	±6.6	N	1	1	±6.6	∞
Axial Isotropy	E2.2	±4.7	R	√3	$(1-c_p)^{1/2}$	±1.9	∞
Hemispherical Isotropy	E2.2	±9.6	R	√3	$(c_p)^{1/2}$	±3.9	∞
Boundary Effect	E2.3	±2.0	R	√3	1	±1.2	∞
Linearity	E2.4	±4.7	R	√3	1	±2.7	∞
System Detection Limits	E2.5	±1.0	R	√3	1	±0.6	∞
Modulation response	E2.5	±2.4	R	√3	1	±1.4	
Readout Electronics	E2.6	±0.3	N	1	1	±0.3	∞
Response Time	E2.7	±0.8	R	√3	1	±0.5	∞
Integration Time	E2.8	±2.6	R	√3	1	±1.5	∞
RF Ambient Conditions - Noise	E6.1	±3.0	R	√3	1	±1.7	∞
RF Ambient Conditions - Reflections	E6.1	±3.0	R	√3	1	±1.7	∞
Probe Positioner Mechanical Tolerance	E6.2	±0.8	R	√3	1	±0.5	∞
Probe Positioning with respect to Phantom Shell	E6.3	±6.7	R	√3	1	±3.9	∞
Extrapolation, interpolation and Integration Algorithms for Max. SAR Evaluation	E5	±4.0	R	√3	1	±2.3	∞
Test sample Related							
Test Sample Positioning	E4.2	±6.0	N	1	1	±6.0	11
Device Holder Uncertainty	E4.1	±3.6	N	1	1	±3.6	5
Output Power Variation - SAR drift measurement	E2.9	±5.0	R	√3	1	±2.9	∞
Phantom and Tissue Parameters							
Phantom Uncertainty (shape and thickness tolerances)	E3.1	±6.6	R	√3	1	±3.8	∞
SAR correction	E3.2	±1.9	R	√3	1	±1.1	∞
Conductivity Target - tolerance	E3.4	±5.0	R	√3	0.6	±1.8	∞
Conductivity - measurement uncertainty	E3.3	±5.5	N	1	0.6	±3.5	5
Permittivity Target - tolerance	E3.4	±5.0	R	√3	0.6	±1.7	∞
Permittivity - measurement uncertainty	E3.3	±2.9	N	1	0.6	±1.7	5
Combined Standard Uncertainty			RSS			**±14.0**	198
Coverage Factor for 95%			**k=2**				
Expanded Uncertainty						**±28.2**	

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Table 6.2 – Measurement uncertainty evaluation for 1g Fast SAR in 0.3-6G Hz range

Relative DASY5 Uncertainty Budget for Fast SAR Tests According to IEEE 1528/2011 and IEC 62209-1/2011 (0.3-6 GHz range)						
Uncertainty Component	**Tol. (%)**	**Prob Dist.**	**Div.**	c_i	$c_i . u_i$ (%)	v_i
Measurement System						
Probe Calibration	±6.6	N	1	0		
Axial Isotropy	±4.7	R	√3	$(1-c_p)^{1/2}$	±1.9	∞
Hemispherical Isotropy	±9.6	R	√3	$(c_p)^{1/2}$	±3.9	∞
Boundary Effect	±2.0	R	√3	1	±1.2	∞
Linearity	±4.7	R	√3	1	±2.7	∞
System Detection Limits	±1.0	R	√3	1	±0.6	∞
Modulation Response	±2.4	R	√3	1	±1.4	∞
Readout Electronics	±0.3	N	1	0		
Response Time	±0.8	R	√3	0		
Integration Time	±2.6	R	√3	1	±1.5	∞
RF Ambient Conditions - Noise	±3.0	R	√3	1	±1.7	∞
RF Ambient Conditions - Reflections	±3.0	R	√3	0		
Probe Positioner Mechanical Tolerance	±0.8	R	√3	1	±0.5	∞
Probe Positioning with respect to Phantom Shell	±6.7	R	√3	1	±3.9	∞
Spatial x-y Resolution	±10.0	R	√3	1	±5.8	∞
Fast SAR z Approximation	±14.0	R	√3	1	±8.1	∞
Test sample Related						
Test Sample Positioning	±6.0	N	1	1	±6.0	12
Device Holder Uncertainty	±3.6	N	1	1	±3.6	5
Output Power Variation - SAR drift measurement	±5.0	R	√3	1	±2.9	∞
Power Scaling	±0	R	√3	0		
Phantom and Setup						
Phantom Uncertainty (shape and thickness tolerances)	±6.6	R	√3	1	±3.8	∞
SAR correction	±1.9	R	√3	0		
Conductivity Target - tolerance	±1.9	R	√3	0		
Conductivity - measurement uncertainty	±5.0	R	√3	0		
Permittivity Target - tolerance	±5.5	N	1	0		
Permittivity - measurement uncertainty	±5.0	R	√3	0		
Combined Standard Uncertainty		RSS			**±14.9**	748
Coverage Factor for 95%		**k=2**				
Expanded Uncertainty					**±29.8**	

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7. RESULTS

7.1 The measured Head SAR values for the test device

7.1.1 LTE700 (Band 12) Head SAR results

Antenna 1 / RM-1104

LTE700 (Band 12) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		23.6			Scaling factor*				
Conducted Power		23.4	23.5	23.5	0.2	0.1	0.1	dB	
Time-averaged Power		23.4	23.5	23.5	1.05	1.02	1.02	Lin	
Left Cheek	Estimated SAR	-	0.198	-	-	0.203	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	0.127	-	-	0.130	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	0.237	-	-	0.243	-	0.01	H1
	Full SAR	-	0.242	-	-	0.248	-		
Right Tilt	Estimated SAR	-	0.139	-	-	0.142	-	-	-
	Full SAR	-	-	-	-	-	-		
LTE700 (Band 12) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		22.6			Scaling factor*				
Conducted Power		22.4	22.4	22.4	0.2	0.2	0.2	dB	
Time-averaged Power		22.4	22.4	22.4	1.05	1.05	1.05	Lin	
Left Cheek	Estimated SAR	-	0.159	-	-	0.166	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	0.102	-	-	0.107	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	0.193	-	-	0.202	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	0.109	-	-	0.114	-	-	-
	Full SAR	-	-	-	-	-	-		
LTE700 (Band 12) - 10MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		22.6			Scaling factor*				
Conducted Power		22.4	22.4	22.4	0.2	0.2	0.2	dB	
Time-averaged Power		22.4	22.4	22.4	1.05	1.05	1.05	Lin	
Right Cheek	Estimated SAR	-	0.189	-	-	0.198	-	-	-
	Full SAR	-	-	-	-	-	-		

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Antenna 1 / RM-1118

LTE700 (Band 12) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		23.6			Scaling factor*				
Conducted Power		23.4	23.3	23.3	0.2	0.3	0.3	dB	
Time-averaged Power		23.4	23.3	23.3	1.05	1.07	1.07	Lin	
Left Cheek	Estimated SAR	-	0.217	-	-	0.233	-	0.01	-
	Full SAR	-	0.225	-	-	0.241	-		
Right Cheek	Estimated SAR	-	0.256	-	-	0.274	-	0.01	H2
	Full SAR	-	0.266	-	-	**0.285**	-		

Antenna 2 / RM-1104

LTE700 (Band 12) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		23.6			Scaling factor*				
Conducted Power		23.4	23.5	23.5	0.2	0.1	0.1	dB	
Time-averaged Power		23.4	23.5	23.5	1.05	1.02	1.02	Lin	
Left Cheek	Estimated SAR	-	0.109	-	-	0.112	-	0.00	-
	Full SAR	-	0.105	-	-	0.107	-		
Left Tilt	Estimated SAR	-	0.054	-	-	0.055	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	0.073	-	-	0.075	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	0.042	-	-	0.043	-	-	-
	Full SAR	-	-	-	-	-	-		
LTE700 (Band 12) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		22.6			Scaling factor*				
Conducted Power		22.4	22.4	22.4	0.2	0.2	0.2	dB	
Time-averaged Power		22.4	22.4	22.4	1.05	1.05	1.05	Lin	
Left Cheek	Estimated SAR	-	0.084	-	-	0.088	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	0.042	-	-	0.044	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	0.058	-	-	0.061	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	0.034	-	-	0.035	-	-	-
	Full SAR	-	-	-	-	-	-		

(LTE12/Ant2 table continues)

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(LTE12/Ant2 table continues)

LTE700 (Band 12) - 10MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		22.6			Scaling factor*				
Conducted Power		22.4	22.4	22.4	0.2	0.2	0.2	dB	
Time-averaged Power		22.4	22.4	22.4	1.05	1.05	1.05	Lin	
Left Cheek	Estimated SAR	-	0.087	-	-	0.092	-	-	-
	Full SAR	-	-	-	-	-	-		

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LTE700 (Band 12) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		23.6			Scaling factor*				
Conducted Power		23.4	23.3	23.3	0.2	0.3	0.3	dB	
Time-averaged Power		23.4	23.3	23.3	1.05	1.07	1.07	Lin	
Left Cheek	Estimated SAR	-	0.166	-	-	0.178	-	-	-
	Full SAR	-	0.166	-	-	0.178	-		

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7.1.2 LTE700 (Band 17) Head SAR results

Antenna 1 / RM-1104

LTE700 (Band 17) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		23.5			Scaling factor*				
Conducted Power		23.4	23.3	23.2	0.1	0.2	0.3	dB	
Time-averaged Power		23.4	23.3	23.2	1.02	1.05	1.07	Lin	
Left Cheek	Estimated SAR	0.206	-	-	0.211	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	0.127	-	-	0.130	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.243	-	-	0.249	-	-	0.00	H3
	Full SAR	0.244	-	-	0.250	-	-		
Right Tilt	Estimated SAR	0.144	-	-	0.147	-	-	-	-
	Full SAR	-	-	-	-	-	-		

LTE700 (Band 17) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		22.5			Scaling factor*				
Conducted Power		22.4	22.2	22.1	0.1	0.3	0.4	dB	
Time-averaged Power		22.4	22.2	22.1	1.02	1.07	1.10	Lin	
Left Cheek	Estimated SAR	0.157	-	-	0.161	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	0.098	-	-	0.100	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.183	-	-	0.187	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	0.113	-	-	0.116	-	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1118

LTE700 (Band 17) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		23.5			Scaling factor*				
Conducted Power		23.2	23.4	23.3	0.3	0.1	0.2	dB	
Time-averaged Power		23.2	23.4	23.3	1.07	1.02	1.05	Lin	
Left Cheek	Estimated SAR	0.217	-	-	0.233	-	-	0.00	-
	Full SAR	0.221	-	-	0.237	-	-		
Right Cheek	Estimated SAR	0.259	-	-	0.278	-	-	0.01	H4
	Full SAR	0.270	-	-	**0.289**	-	-		

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LTE700 (Band 17) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		23.5			Scaling factor*				
Conducted Power		23.4	23.3	23.2	0.1	0.2	0.3	dB	
Time-averaged Power		23.4	23.3	23.2	1.02	1.05	1.07	Lin	
Left Cheek	Estimated SAR	0.113	-	-	0.116	-	-	0.00	-
	Full SAR	0.115	-	-	0.118	-	-		
Left Tilt	Estimated SAR	0.057	-	-	0.058	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.074	-	-	0.076	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	0.028	-	-	0.029	-	-	-	-
	Full SAR	-	-	-	-	-	-		

LTE700 (Band 17) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		22.5			Scaling factor*				
Conducted Power		22.4	22.2	22.1	0.1	0.3	0.4	dB	
Time-averaged Power		22.4	22.2	22.1	1.02	1.07	1.10	Lin	
Left Cheek	Estimated SAR	0.087	-	-	0.089	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	0.045	-	-	0.046	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.056	-	-	0.057	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	0.029	-	-	0.030	-	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 2 / RM-1118

LTE700 (Band 17) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		23.5			Scaling factor*				
Conducted Power		23.2	23.4	23.3	0.3	0.1	0.2	dB	
Time-averaged Power		23.2	23.4	23.3	1.07	1.02	1.05	Lin	
Left Cheek	Estimated SAR	0.173	-	-	0.185	-	-	0.00	-
	Full SAR	0.174	-	-	0.186	-	-		

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7.1.3 GSM/GPRS/EGPRS 850 Head SAR results

Antenna 1 / RM-1104

4-slot GPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		27.4			Scaling factor*				
Conducted Power		27.2	27.3	27.4	0.2	0.1	-	dB	
Time-averaged Power		24.2	24.3	24.4	1.05	1.02	1.00	Lin	
Left Cheek	Estimated SAR	-	0.216	-	-	0.221	-	-	H5
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	0.115	-	-	0.118	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.200	0.263	0.255	0.209	0.269	0.255	0.01	-
	Full SAR	-	0.270	-	-	0.276	-		
Right Tilt	Estimated SAR	-	0.137	-	-	0.140	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1104

4-slot 8PSK EGPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		25.2			Scaling factor*				
Conducted Power		25.1	24.7	24.8	0.1	0.5	0.4	dB	
Time-averaged Power		22.1	21.7	21.8	1.02	1.12	1.10	Lin	
Right Cheek	Estimated SAR	-	0.142	-	-	0.159	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1118

4-slot GPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		27.4			Scaling factor*				
Conducted Power		26.9	27.0	27.2	0.5	0.4	0.2	dB	
Time-averaged Power		23.9	24.0	24.2	1.12	1.10	1.05	Lin	
Left Cheek	Estimated SAR	-	0.374	-	-	0.410	-	0.01	H6
	Full SAR	-	0.386	-	-	**0.423**	-		
Right Cheek	Estimated SAR	-	0.282	-	-	0.309	-	0.01	-
	Full SAR	-	0.288	-	-	0.316	-		

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4-slot GPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		27.4			Scaling factor*				
Conducted Power		27.2	27.3	27.4	0.2	0.1	-	dB	
Time-averaged Power		24.2	24.3	24.4	1.05	1.02	1.00	Lin	
Left Cheek	Estimated SAR	0.169	0.245	0.308	0.177	0.251	0.308	0.02	-
	Full SAR	-	-	0.330	-	-	0.330		
Left Tilt	Estimated SAR	-	0.149	-	-	0.152	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	0.232	-	-	0.237	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	0.143	-	-	0.146	-	-	-
	Full SAR	-	-	-	-	-	-		

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4-slot 8PSK EGPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		25.2			Scaling factor*				
Conducted Power		25.1	24.7	24.8	0.1	0.5	0.4	dB	
Time-averaged Power		22.1	21.7	21.8	1.02	1.12	1.10	Lin	
Left Cheek	Estimated SAR	-	-	0.163	-	-	0.179	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 2 / RM-1118

4-slot GPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		27.4			Scaling factor*				
Conducted Power		26.9	27.0	27.2	0.5	0.4	0.2	dB	
Time-averaged Power		23.9	24.0	24.2	1.12	1.10	1.05	Lin	
Left Cheek	Estimated SAR	-	-	0.285	-	-	0.298	0.02	-
	Full SAR	-	-	0.300	-	-	0.314		

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7.1.4 WCDMA850 (Band 5) Head SAR results

Antenna 1 / RM-1104

WCDMA850 (Band 5)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz		
Upper limit		24.9			Scaling factor*				
Conducted Power		24.8	24.7	24.7	0.1	0.2	0.2	dB	
Time-averaged Power		24.8	24.7	24.7	1.02	1.05	1.05	Lin	
Left Cheek	Estimated SAR	-	0.361	-	-	0.378	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	0.164	-	-	0.172	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.339	0.365	0.329	0.347	0.382	0.345	0.01	-
	Full SAR	-	0.371	-	-	0.388	-		
Right Tilt	Estimated SAR	-	0.204	-	-	0.214	-	-	-
	Full SAR	-	-	-	-	-	-		

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WCDMA850 (Band 5)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz		
Upper limit		24.9			Scaling factor*				
Conducted Power		24.7	24.8	24.8	0.2	0.1	0.1	dB	
Time-averaged Power		24.7	24.8	24.8	1.05	1.02	1.02	Lin	
Left Cheek	Estimated SAR	-	0.354	-	-	0.362	-	0.01	-
	Full SAR	-	0.364	-	-	0.372	-		
Right Cheek	Estimated SAR	-	0.341	-	-	0.349	-	0.02	-
	Full SAR	-	0.356	-	-	0.364	-		

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WCDMA850 (Band 5)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz		
Upper limit		24.9			Scaling factor*				
Conducted Power		24.8	24.7	24.7	0.1	0.2	0.2	dB	
Time-averaged Power		24.8	24.7	24.7	1.02	1.05	1.05	Lin	
Left Cheek	Estimated SAR	0.252	0.366	0.424	0.258	0.383	0.444	0.01	H7
	Full SAR	-	-	0.431	-	-	**0.451**		
Left Tilt	Estimated SAR	-	0.184	-	-	0.193	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	0.265	-	-	0.277	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	0.167	-	-	0.175	-	-	-
	Full SAR	-	-	-	-	-	-		

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WCDMA850 (Band 5)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz		
Upper limit		24.9			Scaling factor*				
Conducted Power		24.7	24.8	24.8	0.2	0.1	0.1	dB	
Time-averaged Power		24.7	24.8	24.8	1.05	1.02	1.02	Lin	
Left Cheek	Estimated SAR	-	-	0.396	-	-	0.405	0.01	H8
	Full SAR	-	-	0.403	-	-	0.412		

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7.1.5 LTE850 (Band 5) Head SAR results

Antenna 1 / RM-1104

LTE850 (Band 5) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		23.8			Scaling factor*				
Conducted Power		23.3	23.3	23.4	0.5	0.5	0.4	dB	
Time-averaged Power		23.3	23.3	23.4	1.12	1.12	1.10	Lin	
Left Cheek	Estimated SAR	-	-	0.240	-	-	0.263	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	-	0.114	-	-	0.125	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	-	0.251	-	-	0.275	0.01	-
	Full SAR	-	-	0.259	-	-	0.284		
Right Tilt	Estimated SAR	-	-	0.142	-	-	0.156	-	-
	Full SAR	-	-	-	-	-	-		

LTE850 (Band 5) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		22.8			Scaling factor*				
Conducted Power		22.3	22.2	22.4	0.5	0.6	0.4	dB	
Time-averaged Power		22.3	22.2	22.4	1.12	1.15	1.10	Lin	
Left Cheek	Estimated SAR	-	-	0.199	-	-	0.218	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	-	0.098	-	-	0.108	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	-	0.202	-	-	0.221	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	-	0.112	-	-	0.123	-	-
	Full SAR	-	-	-	-	-	-		

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LTE850 (Band 5) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		23.8			Scaling factor*				
Conducted Power		23.6	23.6	23.6	0.2	0.2	0.2	dB	
Time-averaged Power		23.6	23.6	23.6	1.05	1.05	1.05	Lin	
Left Cheek	Estimated SAR	-	-	0.255	-	-	0.267	0.01	-
	Full SAR	-	-	0.262	-	-	0.274		
Right Cheek	Estimated SAR	-	-	0.246	-	-	0.258	0.01	-
	Full SAR	-	-	0.258	-	-	0.270		

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LTE850 (Band 5) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		23.8			Scaling factor*				
Conducted Power		23.3	23.3	23.4	0.5	0.5	0.4	dB	
Time-averaged Power		23.3	23.3	23.4	1.12	1.12	1.10	Lin	
Left Cheek	Estimated SAR	-	-	0.318	-	-	0.349	0.00	H9
	Full SAR	-	-	0.316	-	-	**0.346**		
Left Tilt	Estimated SAR	-	-	0.189	-	-	0.207	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	-	0.259	-	-	0.284	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	-	0.169	-	-	0.185	-	-
	Full SAR	-	-	-	-	-	-		

LTE850 (Band 5) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		22.8			Scaling factor*				
Conducted Power		22.3	22.2	22.4	0.5	0.6	0.4	dB	
Time-averaged Power		22.3	22.2	22.4	1.12	1.15	1.10	Lin	
Left Cheek	Estimated SAR	-	-	0.247	-	-	0.271	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	-	0.151	-	-	0.166	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	-	0.196	-	-	0.215	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	-	0.128	-	-	0.140	-	-
	Full SAR	-	-	-	-	-	-		

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LTE850 (Band 5) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		23.8			Scaling factor*				
Conducted Power		23.6	23.6	23.6	0.2	0.2	0.2	dB	
Time-averaged Power		23.6	23.6	23.6	1.05	1.05	1.05	Lin	
Left Cheek	Estimated SAR	-	-	0.289	-	-	0.303	0.01	H10
	Full SAR	-	-	0.294	-	-	0.308		

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7.1.6 WCDMA1700/2100 (Band 4) Head SAR results

Antenna 1 / RM-1104

WCDMA1700/2100 (Band 4)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		24.0	24.0	24.1	0.4	0.4	0.3	dB	
Time-averaged Power		24.0	24.0	24.1	1.10	1.10	1.07	Lin	
Left Cheek	Estimated SAR	0.510	0.566	0.587	0.559	0.621	0.629	0.03	H11
	Full SAR	-	-	0.613	-	-	**0.657**		
Left Tilt	Estimated SAR	-	0.193	-	-	0.212	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	0.431	-	-	0.473	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	0.281	-	-	0.308	-	-	-
	Full SAR	-	-	-	-	-	-		

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WCDMA1700/2100 (Band 4)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		24.0	23.8	23.9	0.4	0.6	0.5	dB	
Time-averaged Power		24.0	23.8	23.9	1.10	1.15	1.12	Lin	
Left Cheek	Estimated SAR	-	-	0.502	-	-	0.563	0.02	H12
	Full SAR	-	-	0.524	-	-	0.588		

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Antenna 2 / RM-1104

WCDMA1700/2100 (Band 4)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		24.0	24.0	24.1	0.4	0.4	0.3	dB	
Time-averaged Power		24.0	24.0	24.1	1.10	1.10	1.07	Lin	
Left Cheek	Estimated SAR	-	0.318	-	-	0.349	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	0.189	-	-	0.207	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.290	0.366	0.416	0.318	0.401	0.446	0.02	-
	Full SAR	-	-	0.432	-	-	0.463		
Right Tilt	Estimated SAR	-	0.112	-	-	0.123	-	-	-
	Full SAR	-	-	-	-	-	-		

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WCDMA1700/2100 (Band 4)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		24.0	23.8	23.9	0.4	0.6	0.5	dB	
Time-averaged Power		24.0	23.8	23.9	1.10	1.15	1.12	Lin	
Left Cheek	Estimated SAR	-	0.334	-	-	0.383	-	0.01	-
	Full SAR	-	0.343	-	-	0.394	-		
Right Cheek	Estimated SAR	-	-	0.490	-	-	0.550	0.04	-
	Full SAR	-	-	0.525	-	-	0.589		

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7.1.7 LTE1700/2100 (Band 4) Head SAR results

Antenna 1 / RM-1104

LTE1700/2100 (Band 4) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		23.3			Scaling factor*				
Conducted Power		22.8	22.8	23.0	0.5	0.5	0.3	dB	
Time-averaged Power		22.8	22.8	23.0	1.12	1.12	1.07	Lin	
Left Cheek	Estimated SAR	-	-	0.415	-	-	0.445	-	H13
	Full SAR	-	-	0.415	-	-	0.445		
Left Tilt	Estimated SAR	-	-	0.139	-	-	0.149	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	-	0.347	-	-	0.372	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	-	0.211	-	-	0.226	-	-
	Full SAR	-	-	-	-	-	-		
LTE1700/2100 (Band 4) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		22.3			Scaling factor*				
Conducted Power		21.7	21.8	22.0	0.6	0.5	0.3	dB	
Time-averaged Power		21.7	21.8	22.0	1.15	1.12	1.07	Lin	
Left Cheek	Estimated SAR	-	-	0.334	-	-	0.358	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	-	0.104	-	-	0.111	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	-	0.288	-	-	0.309	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	-	0.163	-	-	0.175	-	-
	Full SAR	-	-	-	-	-	-		

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LTE1700/2100 (Band 4) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		23.3			Scaling factor*				
Conducted Power		22.9	22.9	23.0	0.4	0.4	0.3	dB	
Time-averaged Power		22.9	22.9	23.0	1.10	1.10	1.07	Lin	
Left Cheek	Estimated SAR	-	-	0.408	-	-	0.437	0.02	H14
	Full SAR	-	-	0.428	-	-	**0.459**		

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LTE1700/2100 (Band 4) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		23.3			Scaling factor*				
Conducted Power		22.8	22.8	23.0	0.5	0.5	0.3	dB	
Time-averaged Power		22.8	22.8	23.0	1.12	1.12	1.07	Lin	
Left Cheek	Estimated SAR	-	-	0.270	-	-	0.289	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	-	0.149	-	-	0.160	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	-	0.326	-	-	0.349	0.01	-
	Full SAR	-	-	0.314	-	-	0.336		
Right Tilt	Estimated SAR	-	-	0.095	-	-	0.102	-	-
	Full SAR	-	-	-	-	-	-		

LTE1700/2100 (Band 4) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		22.3			Scaling factor*				
Conducted Power		21.7	21.8	22.0	0.6	0.5	0.3	dB	
Time-averaged Power		21.7	21.8	22.0	1.15	1.12	1.07	Lin	
Left Cheek	Estimated SAR	-	-	0.212	-	-	0.227	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	-	0.119	-	-	0.128	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	-	0.271	-	-	0.290	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	-	0.077	-	-	0.083	-	-
	Full SAR	-	-	-	-	-	-		

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LTE1700/2100 (Band 4) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		23.3			Scaling factor*				
Conducted Power		22.9	22.9	23.0	0.4	0.4	0.3	dB	
Time-averaged Power		22.9	22.9	23.0	1.10	1.10	1.07	Lin	
Left Cheek	Estimated SAR	-	-	0.287	-	-	0.308	0.01	-
	Full SAR	-	-	0.296	-	-	0.317		
Right Cheek	Estimated SAR	-	-	0.344	-	-	0.369	0.03	-
	Full SAR	-	-	0.369	-	-	0.395		

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7.1.8 GSM/GPRS/EGPRS 1900 Head SAR results

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GSM1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		30.6			Scaling factor*				
Conducted Power		30.2	30.1	30.4	0.4	0.5	0.2	dB	
Time-averaged Power		21.2	21.1	21.4	1.10	1.12	1.05	Lin	
Left Cheek	Estimated SAR	-	0.123	-	-	0.138	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	0.037	-	-	0.041	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.275	0.183	0.148	0.302	0.205	0.155	0.01	-
	Full SAR	0.289	-	-	0.317	-	-		
Right Tilt	Estimated SAR	-	0.089	-	-	0.100	-	-	-
	Full SAR	-	-	-	-	-	-		

3-slot 8PSK EGPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		24.6			Scaling factor*				
Conducted Power		24.2	24.3	24.2	0.4	0.3	0.4	dB	
Time-averaged Power		19.9	20.0	19.9	1.10	1.07	1.10	Lin	
Right Cheek	Estimated SAR	0.199	-	-	0.218	-	-	-	-
	Full SAR	-	-	-	-	-	-		

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4-slot GPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		24.5			Scaling factor*				
Conducted Power		23.9	24.1	24.0	0.6	0.4	0.5	dB	
Time-averaged Power		20.9	21.1	21.0	1.15	1.10	1.12	Lin	
Left Cheek	Estimated SAR	-	0.239	-	-	0.262	-	0.00	-
	Full SAR	-	0.242	-	-	0.265	-		
Right Cheek	Estimated SAR	0.209	-	-	0.240	-	-	0.01	-
	Full SAR	0.215	-	-	0.247	-	-		

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1-slot GPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		**30.6**			**Scaling factor***				
Conducted Power		**30.2**	**30.1**	**30.4**	**0.4**	**0.5**	**0.2**	**dB**	
Time-averaged Power		**21.2**	**21.1**	**21.4**	**1.10**	**1.12**	**1.05**	**Lin**	
Left Cheek	Estimated SAR	0.289	0.214	0.261	0.317	0.240	0.273	0.00	H15
	Full SAR	0.292	-	-	**0.320**	-	-		
Left Tilt	Estimated SAR	-	0.100	-	-	0.112	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	0.152	-	-	0.171	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	0.067	-	-	0.075	-	-	-
	Full SAR	-	-	-	-	-	-		

3-slot 8PSK EGPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		**24.6**			**Scaling factor***				
Conducted Power		**24.2**	**24.3**	**24.2**	**0.4**	**0.3**	**0.4**	**dB**	
Time-averaged Power		**19.9**	**20.0**	**19.9**	**1.10**	**1.07**	**1.10**	**Lin**	
Left Cheek	Estimated SAR	0.205	-	-	0.225	-	-	-	-
	Full SAR	-	-	-	-	-	-		

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4-slot GPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		**24.5**			**Scaling factor***				
Conducted Power		**23.9**	**24.1**	**24.0**	**0.6**	**0.4**	**0.5**	**dB**	
Time-averaged Power		**20.9**	**21.1**	**21.0**	**1.15**	**1.10**	**1.12**	**Lin**	
Left Cheek	Estimated SAR	0.223	-	-	0.256	-	-	0.00	H16
	Full SAR	0.224	-	-	0.257	-	-		

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7.1.9 WCDMA1900 (Band 2) Head SAR results

Antenna 1 / RM-1104

WCDMA1900 (Band 2)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz		
Upper limit		**24.3**			**Scaling factor***				
Conducted Power		**23.7**	**24.0**	**24.1**	**0.6**	**0.3**	**0.2**	**dB**	
Time-averaged Power		**23.7**	**24.0**	**24.1**	**1.15**	**1.07**	**1.05**	**Lin**	
Left Cheek	Estimated SAR	-	0.300	-	-	0.321	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	0.146	-	-	0.156	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.659	0.571	0.585	0.757	0.612	0.613	0.00	H17
	Full SAR	0.658	-	-	**0.755**	-	-		
Right Tilt	Estimated SAR	-	0.281	-	-	0.301	-	-	-
	Full SAR	-	-	-	-	-	-		

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WCDMA1900 (Band 2)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz		
Upper limit		**24.3**			**Scaling factor***				
Conducted Power		**24.2**	**24.1**	**24.0**	**0.1**	**0.2**	**0.3**	**dB**	
Time-averaged Power		**24.2**	**24.1**	**24.0**	**1.02**	**1.05**	**1.07**	**Lin**	
Left Cheek	Estimated SAR	-	0.319	-	-	0.334	-	0.00	-
	Full SAR	-	0.316	-	-	0.331	-		
Right Cheek	Estimated SAR	0.616	-	-	0.630	-	-	0.03	H18
	Full SAR	0.646	-	-	0.661	-	-		

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WCDMA1900 (Band 2)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz		
Upper limit		24.3			Scaling factor*				
Conducted Power		23.7	24.0	24.1	0.6	0.3	0.2	dB	
Time-averaged Power		23.7	24.0	24.1	1.15	1.07	1.05	Lin	
Left Cheek	Estimated SAR	0.650	0.469	0.465	0.746	0.503	0.487	0.01	-
	Full SAR	0.642	-	-	0.737	-	-		
Left Tilt	Estimated SAR	-	0.220	-	-	0.236	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	0.340	-	-	0.364	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	0.100	-	-	0.107	-	-	-
	Full SAR	-	-	-	-	-	-		

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WCDMA1900 (Band 2)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz		
Upper limit		24.3			Scaling factor*				
Conducted Power		24.2	24.1	24.0	0.1	0.2	0.3	dB	
Time-averaged Power		24.2	24.1	24.0	1.02	1.05	1.07	Lin	
Left Cheek	Estimated SAR	0.502	-	-	0.514	-	-	0.01	-
	Full SAR	0.495	-	-	0.507	-	-		

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7.1.10 LTE1900 (Band 2) Head SAR results

Antenna 1 / RM-1104

LTE1900 (Band 2) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		23.2	23.1	23.0	0.2	0.3	0.4	dB	
Time-averaged Power		23.2	23.1	23.0	1.05	1.07	1.10	Lin	
Left Cheek	Estimated SAR	0.305	-	-	0.319	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	0.136	-	-	0.142	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.442	-	-	0.463	-	-	0.02	H19
	Full SAR	0.462	-	-	0.484	-	-		
Right Tilt	Estimated SAR	0.153	-	-	0.160	-	-	-	-
	Full SAR	-	-	-	-	-	-		

LTE1900 (Band 2) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		22.4			Scaling factor*				
Conducted Power		22.2	22.0	21.9	0.2	0.4	0.5	dB	
Time-averaged Power		22.2	22.0	21.9	1.05	1.10	1.12	Lin	
Left Cheek	Estimated SAR	0.229	-	-	0.240	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	0.108	-	-	0.113	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.348	-	-	0.364	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	0.121	-	-	0.127	-	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1118

LTE1900 (Band 2) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		23.1	23.1	23.2	0.3	0.3	0.2	dB	
Time-averaged Power		23.1	23.1	23.2	1.07	1.07	1.05	Lin	
Left Cheek	Estimated SAR	0.359	-	-	0.385	-	-	0.01	-
	Full SAR	0.365	-	-	0.391	-	-		
Right Cheek	Estimated SAR	0.477	-	-	0.511	-	-	0.02	H20
	Full SAR	0.500	-	-	**0.536**	-	-		

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Antenna 2 / RM-1104

LTE1900 (Band 2) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		23.2	23.1	23.0	0.2	0.3	0.4	dB	
Time-averaged Power		23.2	23.1	23.0	1.05	1.07	1.10	Lin	
Left Cheek	Estimated SAR	0.499	-	-	0.523	-	-	0.01	-
	Full SAR	0.507	-	-	0.531	-	-		
Left Tilt	Estimated SAR	0.154	-	-	0.161	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.294	-	-	0.308	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	0.109	-	-	0.114	-	-	-	-
	Full SAR	-	-	-	-	-	-		

LTE1900 (Band 2) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		22.4			Scaling factor*				
Conducted Power		22.2	22.0	21.9	0.2	0.4	0.5	dB	
Time-averaged Power		22.2	22.0	21.9	1.05	1.10	1.12	Lin	
Left Cheek	Estimated SAR	0.405	-	-	0.424	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	0.117	-	-	0.123	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	0.223	-	-	0.234	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	0.087	-	-	0.091	-	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 2 / RM-1118

LTE1900 (Band 2) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		23.1	23.1	23.2	0.3	0.3	0.2	dB	
Time-averaged Power		23.1	23.1	23.2	1.07	1.07	1.05	Lin	
Left Cheek	Estimated SAR	0.443	-	-	0.475	-	-	0.01	-
	Full SAR	0.451	-	-	0.483	-	-		

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7.1.11 LTE2500 (Band 7) Head SAR results

Antenna 1 / RM-1104

LTE2500 (Band 7) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz	CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		23.7	23.9	23.9	0.7	0.5	0.5	dB	
Time-averaged Power		23.7	23.9	23.9	1.17	1.12	1.12	Lin	
Left Cheek	Estimated SAR	-	0.495	-	-	0.555	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	0.170	-	-	0.191	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	0.610	-	-	0.684	-	0.03	H21
	Full SAR	-	0.642	-	-	0.720	-		
Right Tilt	Estimated SAR	-	0.258	-	-	0.289	-	-	-
	Full SAR	-	-	-	-	-	-		

LTE2500 (Band 7) - 20MHz - QPSK - 50 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz	CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		22.8	23.0	23.0	0.6	0.4	0.4	dB	
Time-averaged Power		22.8	23.0	23.0	1.15	1.10	1.10	Lin	
Left Cheek	Estimated SAR	-	0.365	-	-	0.400	-	-	-
	Full SAR	-	-	-	-	-	-		
Left Tilt	Estimated SAR	-	0.134	-	-	0.147	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Cheek	Estimated SAR	-	0.505	-	-	0.554	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	0.177	-	-	0.194	-	-	-
	Full SAR	-	-	-	-	-	-		

LTE2500 (Band 7) - 20MHz - QPSK - 100 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz	CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		22.8	22.9	23.0	0.6	0.5	0.4	dB	
Time-averaged Power		22.8	22.9	23.0	1.15	1.12	1.10	Lin	
Right Cheek	Estimated SAR	-	-	0.473	-	-	0.519	-	-
	Full SAR	-	-	-	-	-	-		

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Antenna 1 / RM-1118

LTE2500 (Band 7) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz	CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		24.1	24.0	24.0	0.3	0.4	0.4	dB	
Time-averaged Power		24.1	24.0	24.0	1.07	1.10	1.10	Lin	
Left Cheek	Estimated SAR	-	0.491	-	-	0.538	-	0.03	-
	Full SAR	-	0.521	-	-	0.571	-		
Right Cheek	Estimated SAR	-	0.756	-	-	0.829	-	0.04	H22
	Full SAR	-	0.794	-	-	**0.871**	-		

7.1.12 WLAN2450 Head SAR results

Antenna 1 / RM-1104

WLAN2450 b-mode DSSS 20 MHz									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz	CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz		
Data rate		2	1	2	Scaling factor*			Mbps	
Upper limit		15.5	15.5	15.5					
Conducted Power		14.7	14.6	14.7	0.8	0.9	0.8	dB	
Time-averaged Power		14.7	14.6	14.7	1.20	1.23	1.20	Lin	
Left Cheek	Estimated SAR	0.789	0.714	0.759	0.949	0.878	0.913	0.03	H23
	Full SAR	0.762	-	-	**0.916**	-	-		
Left Tilt	Estimated SAR	-	0.467	-	-	0.575	-	0.02	-
	Full SAR	-	0.445	-	-	0.547	-		
Right Cheek	Estimated SAR	-	0.324	-	-	0.399	-	-	-
	Full SAR	-	-	-	-	-	-		
Right Tilt	Estimated SAR	-	0.280	-	-	0.344	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1118

WLAN2450 b-mode DSSS 20 MHz									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz	CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz		
Data rate		1	-	-	Scaling factor*			Mbps	
Upper limit		15.5	-	-					
Conducted Power		14.2	-	-	1.3	-	-	dB	
Time-averaged Power		14.2	-	-	1.35	1.00	1.00	Lin	
Left Cheek	Estimated SAR	0.642	-	-	0.866	-	-	0.01	H24
	Full SAR	0.629	-	-	0.848	-	-		

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Antenna 2 / RM-1104 & RM 1118

Radiation for all the device positions and channels tested is negligible for Antenna 2.

Adjusted SAR calculations for the next OFDM test configurations

Adjusted SAR							
Test configuration used	**Next test configuration**	**Device Orientation**	**Reported 1g SAR for test cfg used [W/kg]**	**Tuning target for test cfg used [dBm]***	**Tuning target for next test cfg [dBm]***	**Adjusted 1g SAR [W/kg]**	**Adjusted SAR > 1.20 [YES/NO]**
DSSS b-mode 20 MHz Data rate 2	OFDM g-mode 20 MHz Data rate 6	Left Cheek	0.916	13.5	13.5	0.916	NO

* Tuning targets are used as [mW] when calculated Adjusted SAR

7.1.13 WLAN5000 U-NII-1 and U-NII-2A Head SAR results

The same results are valid for the both antennas 1 and 2. Tuning target, upper limit and conducted power values used for test decisions and scaling are averaged values for Antenna 1 and Antenna 2.

Antenna 1 & 2 / RM-1104

WLAN5000 OFDM 80 MHz											
Device orientation	**SAR measurement**	**Measured 1g SAR [W/kg]**				**Reported* 1g SAR [W/kg]**				**Max Deviation***	**Plot #**
		U-NII-2A				**U-NII-2A**					
		CH 58 5290.0 MHz	**-**	**-**	**-**	**CH 58 5290.0 MHz**	**-**	**-**	**-**	**[W/kg]**	
Standard		**ac**	**-**	**-**	**-**	**Scaling factor***					
Data rate / MCS		**MCS0**	**-**	**-**	**-**					**Mbps**	
Upper limit		**10.5**	**-**	**-**	**-**						
Conducted Power		**9.8**	**-**	**-**	**-**	**0.7**	**-**	**-**	**-**	**dB**	
Time-averaged Power		**9.8**	**-**	**-**	**-**	**1.17**	**-**	**-**	**-**	**Lin**	
Left Cheek	Estimated SAR	-	-	-	-	-	-	-	-	-	H25
	Full SAR	0.969	-	-	-	**1.138**	-	-	-		
Left Tilt	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.926	-	-	-	1.088	-	-	-		
Right Cheek	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.437	-	-	-	0.513	-	-	-		
Right Tilt	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.420	-	-	-	0.493	-	-	-		
Left Cheek Repeated	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.890	-	-	-	1.046	-	-	-		

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Antenna 1 & 2 / RM-1118

WLAN5000 OFDM 80 MHz												
Device orientation	SAR measurement	Measured 1g SAR [W/kg]				Reported* 1g SAR [W/kg]				Max Deviation* [W/kg]	Plot #
		U-NII-2A				U-NII-2A					
		CH 58 5290.0 MHz	-	-	-	CH 58 5290.0 MHz	-	-	-		
Standard		ac	-	-	-	Scaling factor*					
Data rate / MCS		MCS0	-	-	-					Mbps	
Upper limit		10.5	-	-	-						
Conducted Power		9.5	-	-	-	1.0	-	-	-	dB	
Time-averaged Power		9.5	-	-	-	1.26	-	-	-	Lin	
Left Cheek	Estimated SAR	-	-	-	-	-	-	-	-	-	H26
	Full SAR	0.662	-	-	-	0.833	-	-	-		

Adjusted SAR calculations for the next OFDM test configurations

Adjusted SAR							
Test configuration used	Next test configuration	Device Orientation	Reported 1g SAR for test cfg used [W/kg]	Tuning target for test cfg used [dBm]*	Tuning target for next test cfg [dBm]*	Adjusted 1g SAR [W/kg]	Adjusted SAR > 1.20 [YES/NO]
OFDM ac-mode 80 MHz MCS0 SS1	- **	-	1.138	9.0	-	-	NO

* Tuning targets are used as [mW] when calculated Adjusted SAR.
**All test configurations have same tuning target and hence there is no next test configuration for which to calculate the adjusted SAR.

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7.1.14 WLAN5000 U-NII-2C Head SAR results

The same results are valid for the both antennas 1 and 2. Tuning target, upper limit and conducted power values used for test decisions and scaling are averaged values for Antenna 1 and Antenna 2.

Antenna 1 & 2 / RM-1104

WLAN5000 OFDM 80 MHz											
Device orientation	SAR measurement	Measured 1g SAR [W/kg]				Reported* 1g SAR [W/kg]				Max Deviation* [W/kg]	Plot #
		U-NII-2C				U-NII-2C					
		CH 106 5530.0 MHz	-	-	-	CH 106 5530.0 MHz	-	-	-		
Standard		ac	-	-	-	Scaling factor*					
Data rate / MCS		MCS0	-	-	-					Mbps	
Upper limit		10.5	-	-	-						
Conducted Power		9.8	-	-	-	0.7	-	-	-	dB	
Time-averaged Power		9.8	-	-	-	1.17	-	-	-	Lin	
Left Cheek	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.952	-	-	-	1.119	-	-	-		
Left Tilt	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.848	-	-	-	0.996	-	-	-		
Right Cheek	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.528	-	-	-	0.620	-	-	-		
Right Tilt	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.493	-	-	-	0.579	-	-	-		
Left Cheek Repeated	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.883	-	-	-	1.037	-	-	-		

Adjusted SAR calculations for the next OFDM test configurations

Adjusted SAR							
Test configuration used	Next test configuration	Device Orientation	Reported 1g SAR for test cfg used [W/kg]	Tuning target for test cfg used [dBm]*	Tuning target for next test cfg [dBm]*	Adjusted 1g SAR [W/kg]	Adjusted SAR > 1.20 [YES/NO]
OFDM ac-mode 80 MHz MCS0 SS1	- **	-	1.119	9.0	-	-	NO

* Tuning targets are used as [mW] when calculated Adjusted SAR.
**All test configurations have same tuning target and hence there is no next test configuration for which to calculate the adjusted SAR.

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7.1.15 WLAN5000 U-NII-3 Head SAR results

Antenna 1 & 2 / RM-1104

WLAN5000 OFDM 80 MHz														
Device orientation	SAR measurement	Measured 1g SAR [W/kg]					Reported* 1g SAR [W/kg]					Max Deviation* [W/kg]	Plot #
		U-NII-3					U-NII-3						
		CH 155 5775.0 MHz	-	-	-	-	CH 155 5775.0 MHz	-	-	-	-		
Standard		ac	-	-	-	-	Scaling factor*						
Data rate / MCS		MCS0	-	-	-	-						Mbps	
Upper limit		10.5	-	-	-	-							
Conducted Power		9.8	-	-	-	-	0.7	-	-	-	-	dB	
Time-averaged Power		9.8	-	-	-	-	1.17	-	-	-	-	Lin	
Left Cheek	Estimated SAR	-	-	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.706	-	-	-	-	0.829	-	-	-	-		
Left Tilt	Estimated SAR	-	-	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.594	-	-	-	-	0.698	-	-	-	-		
Right Cheek	Estimated SAR	-	-	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.422	-	-	-	-	0.496	-	-	-	-		
Right Tilt	Estimated SAR	-	-	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.416	-	-	-	-	0.489	-	-	-	-		

Adjusted SAR calculations for the next OFDM test configurations

Adjusted SAR							
Test configuration used	Next test configuration	Device Orientation	Reported 1g SAR for test cfg used [W/kg]	Tuning target for test cfg used [dBm]*	Tuning target for next test cfg [dBm]*	Adjusted 1g SAR [W/kg]	Adjusted SAR > 1.20 [YES/NO]
OFDM ac-mode 80 MHz MCS0 SS1	-	Left Cheek	0.829	9.0	-	-	NO

* Tuning targets are used as [mW] when calculated Adjusted SAR.
**All test configurations have same tuning target and hence there is no next test configuration for which to calculate the adjusted SAR.

Individual Head SAR plots are given in Appendix B.

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Simultaneous transmissions: Combined Head 1g SAR results – WLAN and Individual band Max results - Antenna 1

Test configuration	WLAN 2450	WLAN 5000	LTE700 (Band 12)	LTE700 (Band 17)	4-slot GPRS850	WCDMA 850 (Band 5)	LTE850 (Band 5)	WCDMA 1700/2100 (Band 4)
Left Cheek	0.916	1.138	0.241	0.237	0.423	0.378	0.274	0.657
Left Tilt	0.547	1.088	0.130	0.130	0.118	0.172	0.125	0.212
Right Cheek	0.399	0.620	0.285	0.289	0.316	0.388	0.284	0.473
Right Tilt	0.344	0.579	0.142	0.147	0.140	0.214	0.156	0.308
Test configuration	**LTE 1700/2100 (Band 4)**	**GSM/GPRS 1900**	**WCDMA 1900 (Band 2)**	**LTE 1900 (Band 2)**	**LTE 2500 (Band 7)**	**-**	**-**	**-**
Left Cheek	0.459	0.265	0.331	0.391	0.571	-	-	-
Left Tilt	0.149	0.041	0.156	0.142	0.191	-	-	-
Right Cheek	0.372	0.317	0.755	0.536	0.871	-	-	-
Right Tilt	0.226	0.100	0.301	0.160	0.289	-	-	-

Simultaneous transmissions: Combined Head 1g SAR results – WLAN and Individual band Max results - Antenna 2

Test configuration	WLAN 2450	WLAN 5000	LTE700 (Band 12)	LTE700 (Band 17)	4-slot GPRS850	WCDMA 850 (Band 5)	LTE850 (Band 5)	WCDMA 1700/2100 (Band 4)
Left Cheek	0.916	1.138	0.178	0.186	0.330	0.451	0.346	0.394
Left Tilt	0.547	1.088	0.055	0.058	0.152	0.193	0.207	0.207
Right Cheek	0.399	0.620	0.075	0.076	0.237	0.277	0.284	0.589
Right Tilt	0.344	0.579	0.043	0.030	0.146	0.175	0.185	0.123
Test configuration	**LTE 1700/2100 (Band 4)**	**GSM/GPRS 1900**	**WCDMA 1900 (Band 2)**	**LTE 1900 (Band 2)**	**LTE 2500 (Band 7)**	**-**	**-**	**-**
Left Cheek	0.317	0.320	0.737	0.531	-	-	-	-
Left Tilt	0.160	0.112	0.236	0.161	-	-	-	-
Right Cheek	0.395	0.171	0.364	0.308	-	-	-	-
Right Tilt	0.102	0.075	0.107	0.114	-	-	-	-

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Simultaneous transmissions: Combined Head 1g SAR results – WLAN Max + Max combined results - Antenna 1

Test configuration	LTE700 (Band 12) + WLAN 2450	LTE700 (Band 17) + WLAN 2450	4-slot GPRS850 + WLAN 2450	WCDMA 850 (Band 5) + WLAN 2450	LTE850 (Band 5) + WLAN 2450	WCDMA 1700/2100 (Band 4) + WLAN 2450	LTE 1700/2100 (Band 4) + WLAN 2450	GSM/GPRS 1900 + WLAN 2450
Left Cheek	**1.157**	**1.153**	**1.339**	**1.294**	**1.190**	**1.573**	**1.375**	**1.181**
Left Tilt	0.677	0.677	0.665	0.719	0.672	0.759	0.696	0.588
Right Cheek	0.684	0.688	0.715	0.787	0.683	0.872	0.771	0.716
Right Tilt	0.486	0.491	0.484	0.558	0.500	0.652	0.570	0.444
Test configuration	**WCDMA 1900 (Band 2) + WLAN 2450**	**LTE 1900 (Band 2) + WLAN 2450**	**LTE 2500 (Band 7) + WLAN 2450**	**-**	**-**	**-**	**-**	**-**
Left Cheek	**1.247**	**1.307**	**1.487**	-	-	-	-	-
Left Tilt	0.703	0.689	0.738	-	-	-	-	-
Right Cheek	1.154	0.935	1.270	-	-	-	-	-
Right Tilt	0.645	0.504	0.633	-	-	-	-	-

Test configuration	LTE700 (Band 12) + WLAN 5000	LTE700 (Band 17) + WLAN 5000	4-slot GPRS850 + WLAN 5000	WCDMA 850 (Band 5) + WLAN 5000	LTE850 (Band 5) + WLAN 5000	WCDMA 1700/2100 (Band 4) + WLAN 5000	LTE 1700/2100 (Band 4) + WLAN 5000	GSM/GPRS 1900 + WLAN 5000
Left Cheek	**1.379**	**1.375**	**1.561**	**1.516**	**1.412**	**1.795**	**1.597**	**1.403**
Left Tilt	1.218	1.218	1.206	1.260	1.213	1.300	1.237	1.129
Right Cheek	0.905	0.909	0.936	1.008	0.904	1.093	0.992	0.937
Right Tilt	0.721	0.726	0.719	0.793	0.735	0.887	0.805	0.679
Test configuration	**WCDMA 1900 (Band 2) + WLAN 5000**	**LTE 1900 (Band 2) + WLAN 5000**	**LTE 2500 (Band 7) + WLAN 5000**	**-**	**-**	**-**	**-**	**-**
Left Cheek	**1.469**	**1.529**	**1.709**	-	-	-	-	-
Left Tilt	1.244	1.230	1.279	-	-	-	-	-
Right Cheek	1.375	1.156	1.491	-	-	-	-	-
Right Tilt	0.880	0.739	0.868	-	-	-	-	-

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Simultaneous transmissions: Combined Head 1g SAR results – WLAN Max + Max combined results - Antenna 2

Test configuration	LTE700 (Band 12) + WLAN 2450	LTE700 (Band 17) + WLAN 2450	4-slot GPRS850 + WLAN 2450	WCDMA 850 (Band 5) + WLAN 2450	LTE850 (Band 5) + WLAN 2450	WCDMA 1700/2100 (Band 4) + WLAN 2450	LTE 1700/2100 (Band 4) + WLAN 2450	GSM/GPRS 1900 + WLAN 2450
Left Cheek	**1.094**	**1.102**	**1.246**	**1.367**	**1.262**	**1.310**	**1.233**	**1.236**
Left Tilt	0.602	0.605	0.699	0.740	0.754	0.754	0.707	0.659
Right Cheek	0.474	0.475	0.636	0.676	0.683	0.988	0.794	0.570
Right Tilt	0.387	0.374	0.490	0.519	0.529	0.467	0.446	0.419
Test configuration	**WCDMA 1900 (Band 2) + WLAN 2450**	**LTE 1900 (Band 2) + WLAN 2450**	**LTE 2500 (Band 7) + WLAN 2450**	**-**	**-**	**-**	**-**	**-**
Left Cheek	**1.653**	**1.447**	-	-	-	-	-	-
Left Tilt	0.783	0.708	-	-	-	-	-	-
Right Cheek	0.763	0.707	-	-	-	-	-	-
Right Tilt	0.451	0.458	-	-	-	-	-	-

Test configuration	LTE700 (Band 12) + WLAN 5000	LTE700 (Band 17) + WLAN 5000	4-slot GPRS850 + WLAN 5000	WCDMA 850 (Band 5) + WLAN 5000	LTE850 (Band 5) + WLAN 5000	WCDMA 1700/2100 (Band 4) + WLAN 5000	LTE 1700/2100 (Band 4) + WLAN 5000	GSM/GPRS 1900 + WLAN 5000
Left Cheek	**1.316**	**1.324**	**1.468**	**1.589**	**1.484**	**1.532**	**1.455**	**1.458**
Left Tilt	1.143	1.146	1.240	1.281	1.295	1.295	1.248	1.200
Right Cheek	0.695	0.696	0.857	0.897	0.904	1.209	1.015	0.791
Right Tilt	0.622	0.609	0.725	0.754	0.764	0.702	0.681	0.654
Test configuration	**WCDMA 1900 (Band 2) + WLAN 5000**	**LTE 1900 (Band 2) + WLAN 5000**	**LTE 2500 (Band 7) + WLAN 5000**	**-**	**-**	**-**	**-**	**-**
Left Cheek	**1.875**	**1.669**	-	-	-	-	-	-
Left Tilt	1.324	1.249	-	-	-	-	-	-
Right Cheek	0.984	0.928	-	-	-	-	-	-
Right Tilt	0.686	0.693	-	-	-	-	-	-

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7.1.16 Simultaneous Transmission SAR Test Exclusion Considerations for Head Measurements

Simultaneous transmission SAR tests exclusion procedures as described in KDB 447498 D01 v05 is needed for some Head measurements. Following table gives antenna pair SAR to peak location separation ratios for the transmitter combinations for which the sum of simultaneously transmitting 1g SAR was above limit (See "Max+Max Combined results" table in previous section).

Antenna Pair SAR to Peak Location Separation Ratio - Antenna 1

	WCDMA 1700/2100 (Band 4)	WLAN 5000	LTE2500 (Band 7)	WLAN 5000
	Left Cheek		Left Cheek	
X [mm]	66.7	29.1	62.4	29.1
Y [mm]	251.4	333.0	249.2	333.0
Z [mm]	-171.2	-172.3	-173.3	-172.3
DISTANCE [mm]	89.85		90.17	
MAX + MAX (Reported SAR)	1.80		1.71	
SAR to peak location separation ratio	0.03		0.02	

Antenna Pair SAR to Peak Location Separation Ratio - Antenna 2

	WCDMA 1900 (Band 2)	WLAN 2450	WCDMA 1900 (Band 2)	WLAN 5000	LTE 1900 (Band 2)	WLAN 5000
	Left Cheek		Left Cheek		Left Cheek	
X [mm]	66.1	36.9	66.1	29.1	67.4	29.1
Y [mm]	250.0	328.4	250.0	333.0	249.2	333.0
Z [mm]	172.1	172.1	172.1	172.3	171.8	172.3
DISTANCE [mm]	83.66		90.87		92.14	
MAX + MAX (Reported SAR)	1.65		1.88		1.67	
SAR to peak location separation ratio	0.03		0.03		0.02	

All simultaneous transmitter configurations where the Antenna Pair SPLSR ≤ 0.04, are excluded from expanded zoom scan testing. For this product no expanded zoom scan testing is required for Head configurations.

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7.1.17 Combined 1g Head SAR data

The Combined SAR data given in the tables below has been voluntarily calculated and should be ignored for FCC certification.

The following table gives a more accurate assessment of the SAR values for simultaneous transmission. These values have been calculated using the SPEAG Combined Multiband algorithm, which is based on area scans. It a) converts the 2D area scans into 3D volume scans by assuming frequency-dependent decay characteristics for the E-field, b) sums the SAR values for WLAN2450 and the cellular bands point-by-point and c) calculates the combined average SAR values.

The combinations are done for the maximum Head configuration of the each band or band group. Maximum configurations are given in the Max+Max tables in the Section 7.1 of the report. The same scaling factors are used in plotting as for the individual reported SAR value calculations.

Simultaneous transmissions: Reported* Combined 1g SAR Head results – Antenna 1
SPEAG Combined Multiband algorithm results

Test configuration	LTE700 (Band 12) + WLAN 2450	LTE700 (Band 17) + WLAN 2450	4-slot GPRS850 + WLAN 2450	WCDMA 850 (Band 5) + WLAN 2450	LTE850 (Band 5) + WLAN 2450	WCDMA 1700/2100 (Band 4) + WLAN 2450	LTE 1700/2100 (Band 4) + WLAN 2450	GSM/GPRS 1900 + WLAN 2450
Left Cheek	**0.984**	**0.989**	-	-	-	**0.991**	-	-
Left Tilt	-	-	-	-	-	-	-	-
Right Cheek	-	-	-	-	-	-	-	-
Right Tilt	-	-	-	-	-	-	-	-
Plot no	-	-	-	-	-	-	-	-
Test configuration	**WCDMA 1900 (Band 2) + WLAN 2450**	**LTE 1900 (Band 2) + WLAN 2450**	**LTE 2500 (Band 7) + WLAN 2450**	**-**	**-**	**-**	**-**	**-**
Left Cheek	-	-	**1.030**	-	-	-	-	-
Left Tilt	-	-	-	-	-	-	-	-
Right Cheek	-	-	-	-	-	-	-	-
Right Tilt	-	-	-	-	-	-	-	-
Plot no	-	-	-	-	-	-	-	-

(Speag combined table/Ant 1 continues)

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(Speag combined table/Ant 1 continues)

Test configuration	LTE700 (Band 12) + WLAN 5000	LTE700 (Band 17) + WLAN 5000	4-slot GPRS850 + WLAN 5000	WCDMA 850 (Band 5) + WLAN 5000	LTE850 (Band 5) + WLAN 5000	WCDMA 1700/2100 (Band 4) + WLAN 5000	LTE 1700/2100 (Band 4) + WLAN 5000	GSM/GPRS 1900 + WLAN 5000
Left Cheek	**1.110**	**1.110**	-	-	-	**1.110**	-	-
Left Tilt	-	-	-	-	-	-	-	-
Right Cheek	-	-	-	-	-	-	-	-
Right Tilt	-	-	-	-	-	-	-	-
Plot no	-	-	-	-	-	H27	-	-
Test configuration	**WCDMA 1900 (Band 2) + WLAN 5000**	**LTE 1900 (Band 2) + WLAN 5000**	**LTE 2500 (Band 7) + WLAN 5000**	**-**	**-**	**-**	**-**	**-**
Left Cheek	-	-	**1.120**	-	-	-	-	-
Left Tilt	-	-	-	-	-	-	-	-
Right Cheek	-	-	-	-	-	-	-	-
Right Tilt	-	-	-	-	-	-	-	-
Plot no	-	-	H28	-	-	-	-	-

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Simultaneous transmissions: Reported* Combined 1g SAR Head results – Antenna 2
SPEAG Combined Multiband algorithm results

Test configuration	LTE700 (Band 12) + WLAN 2450	LTE700 (Band 17) + WLAN 2450	4-slot GPRS850 + WLAN 2450	WCDMA 850 (Band 5) + WLAN 2450	LTE850 (Band 5) + WLAN 2450	WCDMA 1700/2100 (Band 4) + WLAN 2450	LTE 1700/2100 (Band 4) + WLAN 2450	GSM/GPRS 1900 + WLAN 2450
Left Cheek	-	-	-	**1.030**	-	-	-	-
Left Tilt	-	-	-	-	-	-	-	-
Right Cheek	-	-	-	-	-	-	-	-
Right Tilt	-	-	-	-	-	-	-	-
Plot no	-	-	-	H29	-	-	-	-
Test configuration	**WCDMA 1900 (Band 2) + WLAN 2450**	**LTE 1900 (Band 2) + WLAN 2450**	**LTE 2500 (Band 7) + WLAN 2450**	**- + WLAN 2450**	**- + WLAN 2450**	**- + WLAN 2450**	**- + WLAN 2450**	**- + WLAN 2450**
Left Cheek	**1.020**	-	-	-	-	-	-	-
Left Tilt	-	-	-	-	-	-	-	-
Right Cheek	-	-	-	-	-	-	-	-
Right Tilt	-	-	-	-	-	-	-	-
Plot no	H30	-	-	-	-	-	-	-

(Speag combined table/Ant 2 continues)

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(Speag combined table/Ant 2 continues)

Test configuration	LTE700 (Band 12) + WLAN 5000	LTE700 (Band 17) + WLAN 5000	4-slot GPRS850 + WLAN 5000	WCDMA 850 (Band 5) + WLAN 5000	LTE850 (Band 5) + WLAN 5000	WCDMA 1700/2100 (Band 4) + WLAN 5000	LTE 1700/2100 (Band 4) + WLAN 5000	GSM/GPRS 1900 + WLAN 5000
Left Cheek	-	-	-	**1.130**	-	-	-	-
Left Tilt	-	-	-	-	-	-	-	-
Right Cheek	-	-	-	-	-	-	-	-
Right Tilt	-	-	-	-	-	-	-	-
Plot no	-	-	-	H31	-	-	-	-
Test configuration	**WCDMA 1900 (Band 2) + WLAN 5000**	**LTE 1900 (Band 2) + WLAN 5000**	**LTE 2500 (Band 7) + WLAN 5000**	**- + WLAN 5000**	**- + WLAN 5000**	**- + WLAN 5000**	**- + WLAN 5000**	**- + WLAN 5000**
Left Cheek	**1.120**	-	-	-	-	-	-	-
Left Tilt	-	-	-	-	-	-	-	-
Right Cheek	-	-	-	-	-	-	-	-
Right Tilt	-	-	-	-	-	-	-	-
Plot no	H32	-	-	-	-	-	-	-

WCDMA850 (Band 5) Antenna 2 + WLAN2450 has the highest Max+Max result of the 850MHz Antenna 1 and Antenna 2 grouped bands: 4-slot GPRS850, WCDMA850 (Band 5) and LTE850 (Band 5).

WCDMA850 (Band 5) Antenna 2 + WLAN5000 has the highest Max+Max result of the 850MHz Antenna 1 and Antenna 2 grouped bands: 4-slot GPRS850, WCDMA850 (Band 5) and LTE850 (Band 5).

WCDMA1700/2100 (Band 4) Antenna 1 + WLAN2450 has the highest Max+Max result of the 1750MHz Antenna 1 and Antenna 2 grouped bands: WCDMA1700/2100 (Band 4) and LTE1700/2100 (Band 4).

WCDMA1700/2100 (Band 4) Antenna 1 + WLAN5000 has the highest Max+Max result of the 1750MHz Antenna 1 and Antenna 2 grouped bands: WCDMA1700/2100 (Band 4) and LTE1700/2100 (Band 4).

WCDMA1900 (Band 2) Antenna 2 + WLAN2450 has the highest Max+Max result of the 1900MHz Antenna 1 and Antenna 2 grouped bands: GSM/GPRS1900, WCDMA1900 (Band 2) and LTE1900 (Band 2).

WCDMA1900 (Band 2) Antenna 2 + WLAN5000 has the highest Max+Max result of the 1900MHz Antenna 1 and Antenna 2 grouped bands: GSM/GPRS1900, WCDMA1900 (Band 2) and LTE1900 (Band 2).

Maximum of the Combined SAR values, namely WCDMA850 + WLAN5000, in the above table is less than the maximum SAR value for the contributing WLAN band. This is due to a) minimal overlap of the SAR distributions of the cellular band with WLAN5000 and b) uncertainties associated with the different methods of calculation. In this case, the maximum SAR values given for the combined Mode in the Summary table in Section 1.2.1 is that for the individual individual WLAN5000.

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Note:
* Reported SAR values are scaled to, or measured at, upper limit of power tuning tolerance.
The highest result within individual zoom scan or individual expanded zoom scan results is given in Section 1.2 for each transmitter. The highest result within contributing individual zoom scan, individual expanded zoom scan, Speag combined algorithm or combined expanded zoom scan results is given in the Section for the simultaneous transmitter combination giving the highest combined value.

Speag Combined Multiband Head SAR plots are given in Appendix B.

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7.2 The measured Body-worn 15 mm SAR values for the test device

7.2.1 LTE700 (Band 12) Body-worn 15 mm SAR results

Antenna 1 / RM-1104

LTE700 (Band 12) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		23.6			Scaling factor*				
Conducted Power		23.4	23.5	23.5	0.2	0.1	0.1	dB	
Time-averaged Power		23.4	23.5	23.5	1.05	1.02	1.02	Lin	
Back	Estimated SAR	-	0.263	-	-	0.269	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	0.282	-	-	0.289	-	0.00	B1
	Full SAR	-	0.285	-	-	0.292	-		
LTE700 (Band 12) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		22.6			Scaling factor*				
Conducted Power		22.4	22.4	22.4	0.2	0.2	0.2	dB	
Time-averaged Power		22.4	22.4	22.4	1.05	1.05	1.05	Lin	
Back	Estimated SAR	-	0.210	-	-	0.220	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	0.224	-	-	0.235	-	-	-
	Full SAR	-	-	-	-	-	-		
LTE700 (Band 12) - 10MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		22.6			Scaling factor*				
Conducted Power		22.4	22.4	22.4	0.2	0.2	0.2	dB	
Time-averaged Power		22.4	22.4	22.4	1.05	1.05	1.05	Lin	
Display	Estimated SAR	-	0.221	-	-	0.231	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1118

LTE700 (Band 12) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		23.6			Scaling factor*				
Conducted Power		23.4	23.3	23.3	0.2	0.3	0.3	dB	
Time-averaged Power		23.4	23.3	23.3	1.05	1.07	1.07	Lin	
Display	Estimated SAR	-	0.308	-	-	0.330	-	0.01	B2
	Full SAR	-	0.313	-	-	**0.335**	-		

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Antenna 2 / RM-1104

LTE700 (Band 12) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		23.6			Scaling factor*				
Conducted Power		23.4	23.5	23.5	0.2	0.1	0.1	dB	
Time-averaged Power		23.4	23.5	23.5	1.05	1.02	1.02	Lin	
Back	Estimated SAR	-	0.175	-	-	0.179	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	0.183	-	-	0.187	-	0.00	-
	Full SAR	-	0.180	-	-	0.184	-		
LTE700 (Band 12) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		22.6			Scaling factor*				
Conducted Power		22.4	22.4	22.4	0.2	0.2	0.2	dB	
Time-averaged Power		22.4	22.4	22.4	1.05	1.05	1.05	Lin	
Back	Estimated SAR	-	0.138	-	-	0.145	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	0.144	-	-	0.151	-	-	-
	Full SAR	-	-	-	-	-	-		
LTE700 (Band 12) - 10MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		22.6			Scaling factor*				
Conducted Power		22.4	22.4	22.4	0.2	0.2	0.2	dB	
Time-averaged Power		22.4	22.4	22.4	1.05	1.05	1.05	Lin	
Display	Estimated SAR	-	0.146	-	-	0.153	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 2 / RM-1118

LTE700 (Band 12) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		23.6			Scaling factor*				
Conducted Power		23.4	23.3	23.3	0.2	0.3	0.3	dB	
Time-averaged Power		23.4	23.3	23.3	1.05	1.07	1.07	Lin	
Display	Estimated SAR	-	0.225	-	-	0.241	-	0.00	-
	Full SAR	-	0.224	-	-	0.240	-		

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7.2.2 LTE700 (Band 17) Body-worn 15 mm SAR results

Antenna 1 / RM-1104

LTE700 (Band 17) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		23.5			Scaling factor*				
Conducted Power		23.4	23.3	23.2	0.1	0.2	0.3	dB	
Time-averaged Power		23.4	23.3	23.2	1.02	1.05	1.07	Lin	
Back	Estimated SAR	0.259	-	-	0.265	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.280	-	-	0.287	-	-	0.01	B3
	Full SAR	0.286	-	-	0.293	-	-		
LTE700 (Band 17) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		22.5			Scaling factor*				
Conducted Power		22.4	22.2	22.1	0.1	0.3	0.4	dB	
Time-averaged Power		22.4	22.2	22.1	1.02	1.07	1.10	Lin	
Back	Estimated SAR	0.201	-	-	0.206	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.217	-	-	0.222	-	-	-	-
	Full SAR	-	-	-	-	-	-		

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LTE700 (Band 17) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		23.5			Scaling factor*				
Conducted Power		23.2	23.4	23.3	0.3	0.1	0.2	dB	
Time-averaged Power		23.2	23.4	23.3	1.07	1.02	1.05	Lin	
Display	Estimated SAR	0.293	-	-	0.314	-	-	0.01	B4
	Full SAR	0.298	-	-	**0.319**	-	-		

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LTE700 (Band 17) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		23.5			Scaling factor*				
Conducted Power		23.4	23.3	23.2	0.1	0.2	0.3	dB	
Time-averaged Power		23.4	23.3	23.2	1.02	1.05	1.07	Lin	
Back	Estimated SAR	0.182	-	-	0.186	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.184	-	-	0.188	-	-	0.00	-
	Full SAR	0.185	-	-	0.189	-	-		

LTE700 (Band 17) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		22.5			Scaling factor*				
Conducted Power		22.4	22.2	22.1	0.1	0.3	0.4	dB	
Time-averaged Power		22.4	22.2	22.1	1.02	1.07	1.10	Lin	
Back	Estimated SAR	0.135	-	-	0.138	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.141	-	-	0.144	-	-	-	-
	Full SAR	-	-	-	-	-	-		

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LTE700 (Band 17) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		23.5			Scaling factor*				
Conducted Power		23.2	23.4	23.3	0.3	0.1	0.2	dB	
Time-averaged Power		23.2	23.4	23.3	1.07	1.02	1.05	Lin	
Display	Estimated SAR	0.212	-	-	0.227	-	-	0.00	-
	Full SAR	0.211	-	-	0.226	-	-		

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7.2.3 GSM/GPRS/EGPRS 850 Body-worn 15 mm SAR results

Antenna 1 / RM-1104

4-slot GPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		27.4			Scaling factor*				
Conducted Power		27.2	27.3	27.4	0.2	0.1	-	dB	
Time-averaged Power		24.2	24.3	24.4	1.05	1.02	1.00	Lin	
Back	Estimated SAR	-	0.282	-	-	0.289	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.291	0.367	0.247	0.305	0.376	0.247	0.06	B5
	Full SAR	-	0.311	-	-	0.318	-		

Antenna 1 / RM-1118

4-slot GPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		27.4			Scaling factor*				
Conducted Power		26.9	27.0	27.2	0.5	0.4	0.2	dB	
Time-averaged Power		23.9	24.0	24.2	1.12	1.10	1.05	Lin	
Display	Estimated SAR	-	0.341	-	-	0.374	-	0.01	B6
	Full SAR	-	0.348	-	-	**0.382**	-		

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4-slot GPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		**27.4**			**Scaling factor***				
Conducted Power		**27.2**	**27.3**	**27.4**	**0.2**	**0.1**	**-**	**dB**	
Time-averaged Power		**24.2**	**24.3**	**24.4**	**1.05**	**1.02**	**1.00**	**Lin**	
Back	Estimated SAR	-	0.217	-	-	0.222	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.230	0.253	0.327	0.241	0.259	0.327	0.01	-
	Full SAR	-	-	0.337	-	-	0.337		

Antenna 2 / RM-1118

4-slot GPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		**27.4**			**Scaling factor***				
Conducted Power		**26.9**	**27.0**	**27.2**	**0.5**	**0.4**	**0.2**	**dB**	
Time-averaged Power		**23.9**	**24.0**	**24.2**	**1.12**	**1.10**	**1.05**	**Lin**	
Display	Estimated SAR	-	-	0.354	-	-	0.371	0.00	-
	Full SAR	-	-	0.351	-	-	0.368		

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7.2.4 WCDMA850 (Band 5) Body-worn 15 mm SAR results

Antenna 1 / RM-1104

WCDMA850 (Band 5)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz		
Upper limit		24.9			Scaling factor*				
Conducted Power		24.8	24.7	24.7	0.1	0.2	0.2	dB	
Time-averaged Power		24.8	24.7	24.7	1.02	1.05	1.05	Lin	
Back	Estimated SAR	-	0.368	-	-	0.385	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.334	0.383	0.396	0.342	0.401	0.415	0.01	-
	Full SAR	-	-	0.388	-	-	0.406		

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WCDMA850 (Band 5)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz		
Upper limit		24.9			Scaling factor*				
Conducted Power		24.7	24.8	24.8	0.2	0.1	0.1	dB	
Time-averaged Power		24.7	24.8	24.8	1.05	1.02	1.02	Lin	
Display	Estimated SAR	-	-	0.396	-	-	0.405	-	-
	Full SAR	-	-	0.396	-	-	0.405		

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WCDMA850 (Band 5)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz		
Upper limit		**24.9**			**Scaling factor***				
Conducted Power		**24.8**	**24.7**	**24.7**	**0.1**	**0.2**	**0.2**	**dB**	
Time-averaged Power		**24.8**	**24.7**	**24.7**	**1.02**	**1.05**	**1.05**	**Lin**	
Back	Estimated SAR	-	0.348	-	-	0.364	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.381	0.379	0.404	0.390	0.397	0.423	0.01	B7
	Full SAR	-	-	0.412	-	-	**0.431**		

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WCDMA850 (Band 5)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz		
Upper limit		**24.9**			**Scaling factor***				
Conducted Power		**24.7**	**24.8**	**24.8**	**0.2**	**0.1**	**0.1**	**dB**	
Time-averaged Power		**24.7**	**24.8**	**24.8**	**1.05**	**1.02**	**1.02**	**Lin**	
Display	Estimated SAR	-	-	0.389	-	-	0.398	0.01	B8
	Full SAR	-	-	0.399	-	-	0.408		

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7.2.5 LTE850 (Band 5) Body-worn 15 mm SAR results

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LTE850 (Band 5) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		23.8			Scaling factor*				
Conducted Power		23.3	23.3	23.4	0.5	0.5	0.4	dB	
Time-averaged Power		23.3	23.3	23.4	1.12	1.12	1.10	Lin	
Back	Estimated SAR	-	-	0.282	-	-	0.309	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.332	-	-	0.364	0.00	B9
	Full SAR	-	-	0.330	-	-	**0.362**		
LTE850 (Band 5) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		22.8			Scaling factor*				
Conducted Power		22.3	22.2	22.4	0.5	0.6	0.4	dB	
Time-averaged Power		22.3	22.2	22.4	1.12	1.15	1.10	Lin	
Back	Estimated SAR	-	-	0.224	-	-	0.246	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.240	-	-	0.263	-	-
	Full SAR	-	-	-	-	-	-		

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LTE850 (Band 5) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		23.8			Scaling factor*				
Conducted Power		23.6	23.6	23.6	0.2	0.2	0.2	dB	
Time-averaged Power		23.6	23.6	23.6	1.05	1.05	1.05	Lin	
Display	Estimated SAR	-	-	0.297	-	-	0.311	-	B10
	Full SAR	-	-	0.297	-	-	0.311		

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LTE850 (Band 5) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		23.8			Scaling factor*				
Conducted Power		23.3	23.3	23.4	0.5	0.5	0.4	dB	
Time-averaged Power		23.3	23.3	23.4	1.12	1.12	1.10	Lin	
Back	Estimated SAR	-	-	0.258	-	-	0.283	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.299	-	-	0.328	0.01	-
	Full SAR	-	-	0.304	-	-	0.333		

LTE850 (Band 5) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		22.8			Scaling factor*				
Conducted Power		22.3	22.2	22.4	0.5	0.6	0.4	dB	
Time-averaged Power		22.3	22.2	22.4	1.12	1.15	1.10	Lin	
Back	Estimated SAR	-	-	0.202	-	-	0.221	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.232	-	-	0.254	-	-
	Full SAR	-	-	-	-	-	-		

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LTE850 (Band 5) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		23.8			Scaling factor*				
Conducted Power		23.6	23.6	23.6	0.2	0.2	0.2	dB	
Time-averaged Power		23.6	23.6	23.6	1.05	1.05	1.05	Lin	
Display	Estimated SAR	-	-	0.276	-	-	0.289	0.01	-
	Full SAR	-	-	0.281	-	-	0.294		

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7.2.6 WCDMA1700/2100 (Band 4) Body-worn 15 mm SAR results

Antenna 1 / RM-1104

WCDMA1700/2100 (Band 4)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz		
Upper limit		**24.4**			**Scaling factor***				
Conducted Power		**24.0**	**24.0**	**24.1**	**0.4**	**0.4**	**0.3**	**dB**	
Time-averaged Power		**24.0**	**24.0**	**24.1**	**1.10**	**1.10**	**1.07**	**Lin**	
Back	Estimated SAR	-	0.605	-	-	0.663	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.652	0.688	0.655	0.715	0.754	0.702	0.02	B11
	Full SAR	-	0.708	-	-	**0.776**	-		

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WCDMA1700/2100 (Band 4)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz		
Upper limit		**24.4**			**Scaling factor***				
Conducted Power		**24.0**	**23.8**	**23.9**	**0.4**	**0.6**	**0.5**	**dB**	
Time-averaged Power		**24.0**	**23.8**	**23.9**	**1.10**	**1.15**	**1.12**	**Lin**	
Display	Estimated SAR	-	0.661	-	-	0.759	-	0.01	B12
	Full SAR	-	0.674	-	-	0.774	-		

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WCDMA1700/2100 (Band 4)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		24.0	24.0	24.1	0.4	0.4	0.3	dB	
Time-averaged Power		24.0	24.0	24.1	1.10	1.10	1.07	Lin	
Back	Estimated SAR	-	0.456	-	-	0.500	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.564	0.552	0.512	0.618	0.605	0.549	0.00	-
	Full SAR	0.559	-	-	0.613	-	-		

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WCDMA1700/2100 (Band 4)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		24.0	23.8	23.9	0.4	0.6	0.5	dB	
Time-averaged Power		24.0	23.8	23.9	1.10	1.15	1.12	Lin	
Display	Estimated SAR	0.556	-	-	0.610	-	-	-	-
	Full SAR	0.556	-	-	0.610	-	-		

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7.2.7 LTE1700/2100 (Band 4) Body-worn 15 mm SAR results

Antenna 1 / RM-1104

LTE+A3:J781700/2100 (Band 4) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		23.3			Scaling factor*				
Conducted Power		22.8	22.8	23.0	0.5	0.5	0.3	dB	
Time-averaged Power		22.8	22.8	23.0	1.12	1.12	1.07	Lin	
Back	Estimated SAR	-	-	0.448	-	-	0.480	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.539	-	-	0.578	0.02	B13
	Full SAR	-	-	0.562	-	-	**0.602**		
LTE1700/2100 (Band 4) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		22.3			Scaling factor*				
Conducted Power		21.7	21.8	22.0	0.6	0.5	0.3	dB	
Time-averaged Power		21.7	21.8	22.0	1.15	1.12	1.07	Lin	
Back	Estimated SAR	-	-	0.346	-	-	0.371	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.424	-	-	0.454	-	-
	Full SAR	-	-	-	-	-	-		

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LTE1700/2100 (Band 4) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		23.3			Scaling factor*				
Conducted Power		22.9	22.9	23.0	0.4	0.4	0.3	dB	
Time-averaged Power		22.9	22.9	23.0	1.10	1.10	1.07	Lin	
Display	Estimated SAR	-	-	0.484	-	-	0.519	0.01	B14
	Full SAR	-	-	0.493	-	-	0.528		

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LTE1700/2100 (Band 4) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		23.3			Scaling factor*				
Conducted Power		22.8	22.8	23.0	0.5	0.5	0.3	dB	
Time-averaged Power		22.8	22.8	23.0	1.12	1.12	1.07	Lin	
Back	Estimated SAR	-	-	0.342	-	-	0.366	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.423	-	-	0.453	0.01	-
	Full SAR	-	-	0.414	-	-	0.444		
LTE1700/2100 (Band 4) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		22.3			Scaling factor*				
Conducted Power		21.7	21.8	22.0	0.6	0.5	0.3	dB	
Time-averaged Power		21.7	21.8	22.0	1.15	1.12	1.07	Lin	
Back	Estimated SAR	-	-	0.266	-	-	0.285	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.333	-	-	0.357	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 2 / RM-1118

LTE1700/2100 (Band 4) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		23.3			Scaling factor*				
Conducted Power		22.9	22.9	23.0	0.4	0.4	0.3	dB	
Time-averaged Power		22.9	22.9	23.0	1.10	1.10	1.07	Lin	
Display	Estimated SAR	-	-	0.396	-	-	0.424	-	-
	Full SAR	-	-	0.396	-	-	0.424		

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7.2.8 GSM/GPRS/EGPRS 1900 Body-worn 15 mm SAR results

Antenna 1 / RM-1104

1-slot GPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		30.6			Scaling factor*				
Conducted Power		30.2	30.1	30.4	0.4	0.5	0.2	dB	
Time-averaged Power		21.2	21.1	21.4	1.10	1.12	1.05	Lin	
Back	Estimated SAR	-	0.181	-	-	0.203	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.218	0.225	0.199	0.239	0.252	0.208	0.00	B15
	Full SAR	-	0.229	-	-	0.257	-		

Antenna 1 / RM-1118

4-slot GPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		24.5			Scaling factor*				
Conducted Power		23.9	24.1	24.0	0.6	0.4	0.5	dB	
Time-averaged Power		20.9	21.1	21.0	1.15	1.10	1.12	Lin	
Display	Estimated SAR	-	0.240	-	-	0.263	-	0.01	B16
	Full SAR	-	0.246	-	-	**0.270**	-		

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Antenna 2 / RM-1104

1-slot GPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		30.6			Scaling factor*				
Conducted Power		30.2	30.1	30.4	0.4	0.5	0.2	dB	
Time-averaged Power		21.2	21.1	21.4	1.10	1.12	1.05	Lin	
Back	Estimated SAR	-	0.166	-	-	0.186	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.152	0.187	0.181	0.167	0.210	0.190	0.00	-
	Full SAR	-	0.185	-	-	0.208	-		

Antenna 2 / RM-1118

4-slot GPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		24.5			Scaling factor*				
Conducted Power		23.9	24.1	24.0	0.6	0.4	0.5	dB	
Time-averaged Power		20.9	21.1	21.0	1.15	1.10	1.12	Lin	
Display	Estimated SAR	-	0.176	-	-	0.193	-	0.01	-
	Full SAR	-	0.181	-	-	0.198	-		

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7.2.9 WCDMA1900 (Band 2) Body-worn 15 mm SAR results

Antenna 1 / RM-1104

WCDMA1900 (Band 2)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz		
Upper limit		24.3			Scaling factor*				
Conducted Power		23.7	24.0	24.1	0.6	0.3	0.2	dB	
Time-averaged Power		23.7	24.0	24.1	1.15	1.07	1.05	Lin	
Back	Estimated SAR	-	0.416	-	-	0.446	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.564	0.518	0.439	0.648	0.555	0.460	0.02	B17
	Full SAR	0.584	-	-	**0.671**	-	-		

Antenna 1 / RM-1118

WCDMA1900 (Band 2)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz		
Upper limit		24.3			Scaling factor*				
Conducted Power		24.2	24.1	24.0	0.1	0.2	0.3	dB	
Time-averaged Power		24.2	24.1	24.0	1.02	1.05	1.07	Lin	
Display	Estimated SAR	0.628	-	-	0.643	-	-	0.02	B18
	Full SAR	0.643	-	-	0.658	-	-		

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Antenna 2 / RM-1104

WCDMA1900 (Band 2)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz		
Upper limit		24.3			Scaling factor*				
Conducted Power		23.7	24.0	24.1	0.6	0.3	0.2	dB	
Time-averaged Power		23.7	24.0	24.1	1.15	1.07	1.05	Lin	
Back	Estimated SAR	-	0.386	-	-	0.414	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.425	0.436	0.367	0.488	0.467	0.384	0.01	-
	Full SAR	0.437	-	-	0.502	-	-		

Antenna 2 / RM-1118

WCDMA1900 (Band 2)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz		
Upper limit		24.3			Scaling factor*				
Conducted Power		24.2	24.1	24.0	0.1	0.2	0.3	dB	
Time-averaged Power		24.2	24.1	24.0	1.02	1.05	1.07	Lin	
Display	Estimated SAR	0.422	-	-	0.432	-	-	0.02	-
	Full SAR	0.438	-	-	0.448	-	-		

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7.2.10 LTE1900 (Band 2) Body-worn 15 mm SAR results

Antenna 1 / RM-1104

LTE1900 (Band 2) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		23.2	23.1	23.0	0.2	0.3	0.4	dB	
Time-averaged Power		23.2	23.1	23.0	1.05	1.07	1.10	Lin	
Back	Estimated SAR	0.364	-	-	0.381	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.468	-	-	0.490	-	-	0.01	B19
	Full SAR	0.475	-	-	0.497	-	-		

LTE1900 (Band 2) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		22.4			Scaling factor*				
Conducted Power		22.2	22.0	21.9	0.2	0.4	0.5	dB	
Time-averaged Power		22.2	22.0	21.9	1.05	1.10	1.12	Lin	
Back	Estimated SAR	0.280	-	-	0.293	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.360	-	-	0.377	-	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1118

LTE1900 (Band 2) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		23.1	23.1	23.2	0.3	0.3	0.2	dB	
Time-averaged Power		23.1	23.1	23.2	1.07	1.07	1.05	Lin	
Display	Estimated SAR	0.539	-	-	0.578	-	-	0.00	B20
	Full SAR	0.543	-	-	**0.582**	-	-		

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Antenna 2 / RM-1104

LTE1900 (Band 2) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		23.2	23.1	23.0	0.2	0.3	0.4	dB	
Time-averaged Power		23.2	23.1	23.0	1.05	1.07	1.10	Lin	
Back	Estimated SAR	0.277	-	-	0.290	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.333	-	-	0.349	-	-	0.01	-
	Full SAR	0.340	-	-	0.356	-	-		
LTE1900 (Band 2) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		22.4			Scaling factor*				
Conducted Power		22.2	22.0	21.9	0.2	0.4	0.5	dB	
Time-averaged Power		22.2	22.0	21.9	1.05	1.10	1.12	Lin	
Back	Estimated SAR	0.220	-	-	0.230	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.258	-	-	0.270	-	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 2 / RM-1118

LTE1900 (Band 2) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		23.1	23.1	23.2	0.3	0.3	0.2	dB	
Time-averaged Power		23.1	23.1	23.2	1.07	1.07	1.05	Lin	
Display	Estimated SAR	0.354	-	-	0.379	-	-	0.01	-
	Full SAR	0.359	-	-	0.385	-	-		

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7.2.11 LTE2500 (Band 7) Body-worn 15 mm SAR results

Antenna 1 / RM-1104

LTE2500 (Band 7) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz	CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		23.7	23.9	23.9	0.7	0.5	0.5	dB	
Time-averaged Power		23.7	23.9	23.9	1.17	1.12	1.12	Lin	
Back	Estimated SAR	0.801	0.822	0.761	0.941	0.922	0.854	0.01	B21
	Full SAR	0.793	-	-	**0.932**	-	-		
Display	Estimated SAR	0.769	0.732	0.683	0.903	0.821	0.766	0.03	-
	Full SAR	0.739	-	-	0.868	-	-		
Back Repeated	Estimated SAR	0.770	-	-	0.905	-	-	0.01	-
	Full SAR	0.778	-	-	0.914	-	-		
LTE2500 (Band 7) - 20MHz - QPSK - 50 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz	CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		22.8	23.0	23.0	0.6	0.4	0.4	dB	
Time-averaged Power		22.8	23.0	23.0	1.15	1.10	1.10	Lin	
Back	Estimated SAR	-	0.637	-	-	0.698	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	0.563	-	-	0.617	-	-	-
	Full SAR	-	-	-	-	-	-		
LTE2500 (Band 7) - 20MHz - QPSK - 100 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz	CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		22.8	22.9	23.0	0.6	0.5	0.4	dB	
Time-averaged Power		22.8	22.9	23.0	1.15	1.12	1.10	Lin	
Back	Estimated SAR	-	-	0.572	-	-	0.627	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.504	-	-	0.553	-	-
	Full SAR	-	-	-	-	-	-		

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Antenna 1 / RM-1118

LTE2500 (Band 7) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz	CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		24.1	24.0	24.0	0.3	0.4	0.4	dB	
Time-averaged Power		24.1	24.0	24.0	1.07	1.10	1.10	Lin	
Back	Estimated SAR	0.806	-	-	0.864	-	-	0.01	B22
	Full SAR	0.818	-	-	0.877	-	-		
Display	Estimated SAR	0.726	-	-	0.778	-	-	0.01	-
	Full SAR	0.738	-	-	0.791	-	-		

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7.2.12 WLAN2450 Body-worn 15mm SAR results

Antenna 1 / RM-1104

WLAN2450 b-mode DSSS 20 MHz									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz	CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz		
Data rate		1	1	1	Scaling factor*			Mbps	
Upper limit		17.5	17.5	17.5					
Conducted Power		16.2	16.2	16.1	1.3	1.3	1.4	dB	
Time-averaged Power		16.2	16.2	16.1	1.35	1.35	1.38	Lin	
Back	Estimated SAR	-	0.082	-	-	0.110	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.134	0.126	0.118	0.181	0.170	0.163	0.00	B23
	Full SAR	0.133	-	-	**0.179**	-	-		

Antenna 1 / RM-1118

WLAN2450 b-mode DSSS 20 MHz									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz	CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz		
Data rate		2	-	-	Scaling factor*			Mbps	
Upper limit		17.5	-	-					
Conducted Power		16.2	-	-	1.3	-	-	dB	
Time-averaged Power		16.2	-	-	1.35	1.00	1.00	Lin	
Display	Estimated SAR	0.111	-	-	0.150	-	-	0.00	B24
	Full SAR	0.108	-	-	0.146	-	-		

Antenna 2 / RM-1104 & RM-1118

Radiation for all the device positions and channels tested is negligible for Antenna 2.

Adjusted SAR calculations for the next OFDM test configurations

Adjusted SAR							
Test configuration used	Next test configuration	Device Orientation	Reported 1g SAR for test cfg used [W/kg]	Tuning target for test cfg used [dBm]*	Tuning target for next test cfg [dBm]*	Adjusted 1g SAR [W/kg]	Adjusted SAR > 1.20 [YES/NO]
DSSS b-mode 20 MHz Data rate 1	OFDM g-mode 40MHz Data rate 6	Display	0.179	15.1	15.1	0.179	NO

* Tuning targets are used as [mW] when calculated Adjusted SAR.

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7.2.14 WLAN5000 U-NII-1 and U-NII-2A Body-worn 15 mm SAR results

The same results are valid for the both antennas 1 and 2. Tuning target, upper limit and conducted power values used for test decisions and scaling are averaged values for Antenna 1 and Antenna 2.

U-NII-1 band has the same tuning target and upper limit than U-NII-2A which is tested below. Therefore only U-NII-2A is tested.

Antenna 1 & 2 / RM-1104

WLAN5000 OFDM 40 MHz												
Device orientation	SAR measurement	Measured 1g SAR [W/kg]				Reported* 1g SAR [W/kg]				Max Deviation* [W/kg]	Plot #
		U-NII-2A				U-NII-2A					
		CH 54 5270.0 MHz	CH 62 5310.0 MHz	-	-	CH 54 5270.0 MHz	CH 62 5310.0 MHz	-	-		
Standard		ac	ac	-	-	Scaling factor*					
Data rate / MCS		MCS0	MCS0	-	-					Mbps	
Upper limit		16.5	16.5	-	-						
Conducted Power		15.9	15.9	-	-	0.6	0.6	-	-	dB	
Time-averaged Power		15.9	15.9	-	-	1.15	1.15	-	-	Lin	
Back	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.322	-	-	-	0.370	-	-		
Display	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.401	-	-	-	0.460	-	-		

Adjusted SAR calculations for the next OFDM test configurations

Adjusted SAR							
Test configuration used	Next test configuration	Device Orientation	Reported 1g SAR for test cfg used [W/kg]	Tuning target for test cfg used [dBm]*	Tuning target for next test cfg [dBm]*	Adjusted 1g SAR [W/kg]	Adjusted SAR > 1.20 [YES/NO]
OFDM ac-mode 40MHz MCS0 SS1	OFDM ac-mode 80MHz MCS0 SS1	Display	0.460	15.0	14.0	0.365	NO

* Tuning targets are used as [mW] when calculated Adjusted SAR.

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7.2.15 WLAN5000 U-NII-2C Body-worn 15 mm SAR results

The same results are valid for the both antennas 1 and 2. Tuning target, upper limit and conducted power values used for test decisions and scaling are averaged values for Antenna 1 and Antenna 2.

Antenna 1 & 2 / RM-1104

WLAN5000 OFDM 40 MHz												
Device orientation	SAR measurement	Measured 1g SAR [W/kg]				Reported* 1g SAR [W/kg]				Max Deviation* [W/kg]	Plot #
		U-NII-2C				U-NII-2C					
		CH 102 5510.0 MHz	CH 110 5550.0 MHz	-	-	CH 102 5510.0 MHz	CH 110 5550.0 MHz	-	-		
Standard		ac	ac	-	-	Scaling factor*					
Data rate / MCS		MCS0	MCS0	-	-					Mbps	
Upper limit		16.5	16.5	-	-						
Conducted Power		15.9	15.8	-	-	0.6	0.7	-	-	dB	
Time-averaged Power		15.9	15.8	-	-	1.15	1.17	-	-	Lin	
Back	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	0.408	-	-	-	0.468	-	-	-		
Display	Estimated SAR	-	-	-	-	-	-	-	-	-	B25
	Full SAR	0.496	-	-	-	**0.569**	-	-	-		

Antenna 1 & 2 / RM-1118

WLAN5000 OFDM 40 MHz												
Device orientation	SAR measurement	Measured 1g SAR [W/kg]				Reported* 1g SAR [W/kg]				Max Deviation* [W/kg]	Plot #
		U-NII-2C				U-NII-2C					
		CH 102 5510.0 MHz	CH 110 5550.0 MHz	-	-	CH 102 5510.0 MHz	CH 110 5550.0 MHz	-	-		
Standard		ac	-	-	-	Scaling factor*					
Data rate / MCS		MCS0	-	-	-					Mbps	
Upper limit		16.5	-	-	-						
Conducted Power		15.4	-	-	-	1.1	-	-	-	dB	
Time-averaged Power		15.4	-	-	-	1.29	1.00	-	-	Lin	
Display	Estimated SAR	-	-	-	-	-	-	-	-	-	B26
	Full SAR	0.330	-	-	-	0.425	-	-	-		

Adjusted SAR calculations for the next OFDM test configurations

Adjusted SAR							
Test configuration used	Next test configuration	Device Orientation	Reported 1g SAR for test cfg used [W/kg]	Tuning target for test cfg used [dBm]*	Tuning target for next test cfg [dBm]*	Adjusted 1g SAR [W/kg]	Adjusted SAR > 1.20 [YES/NO]
OFDM ac-mode 40MHz MCS0 SS1	OFDM ac-mode 80MHz MCS0 SS1	Display	0.569	15.0	14.0	0.452	NO

* Tuning targets are used as [mW] when calculated Adjusted SAR.

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7.2.16 WLAN5000 U-NII-3 Body-worn 15 mm SAR results

The same results are valid for the both antennas 1 and 2. Tuning target, upper limit and conducted power values used for test decisions and scaling are averaged values for Antenna 1 and Antenna 2.

Antenna 1 & 2 / RM-1104

WLAN5000 OFDM 40 MHz													
Device orientation	SAR measurement	Measured 1g SAR [W/kg]					Reported* 1g SAR [W/kg]					Max Deviation* [W/kg]	Plot #
		U-NII-3					U-NII-3						
		CH 151 5755.0 MHz	CH 159 5795.0 MHz	-	-	-	CH 151 5755.0 MHz	CH 159 5795.0 MHz	-	-	-		
Standard		ac	ac	-	-	-	Scaling factor*						
Data rate / MCS		MCS0	MCS0	-	-	-						Mbps	
Upper limit		16.5	16.5	-	-	-							
Conducted Power		15.7	15.9	-	-	-	0.8	0.6	-	-	-	dB	
Time-averaged Power		15.7	15.9	-	-	-	1.20	1.15	-	-	-	Lin	
Back	Estimated SAR	-	-	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.274	-	-	-	-	0.315	-	-	-		
Display	Estimated SAR	-	-	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.366	-	-	-	-	0.420	-	-	-		

Adjusted SAR calculations for the next OFDM test configurations

Adjusted SAR							
Test configuration used	Next test configuration	Device Orientation	Reported 1g SAR for test cfg used [W/kg]	Tuning target for test cfg used [dBm]*	Tuning target for next test cfg [dBm]*	Adjusted 1g SAR [W/kg]	Adjusted SAR > 1.20 [YES/NO]
OFDM ac-mode 40MHz MCS0 SS1	OFDM ac-mode 80MHz MCS0 SS1	Display	0.420	15.0	14.0	0.334	NO

* Tuning targets are used as [mW] when calculated Adjusted SAR.

Individual Body-worn 15 mm SAR plots are given Appendix B.

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Simultaneous transmissions: Combined Body-worn 15 mm 1g SAR results – WLAN and Individual band Max results - Antenna 1

Test configuration	WLAN 2450	WLAN 5000	LTE700 (Band 12)	LTE700 (Band 17)	4-slot GPRS850	WCDMA 850 (Band 5)	LTE850 (Band 5)	WCDMA 1700/2100 (Band 4)
Back	0.110	0.468	0.269	0.265	0.289	0.385	0.309	0.663
Display	0.179	0.569	0.335	0.319	0.382	0.406	0.362	0.776
Test configuration	**LTE 1700/2100 (Band 4)**	**GSM/GPRS 1900**	**WCDMA 1900 (Band 2)**	**LTE 1900 (Band 2)**	**LTE 2500 (Band 7)**	**-**	**-**	**-**
Back	0.480	0.203	0.446	0.381	0.932	-	-	-
Display	0.602	0.270	0.671	0.582	0.868	-	-	-

Simultaneous transmissions: Combined Body-worn 15 mm 1g SAR results – WLAN and Individual band Max results - Antenna 2

Test configuration	WLAN 2450	WLAN 5000	LTE700 (Band 12)	LTE700 (Band 17)	4-slot GPRS850	WCDMA 850 (Band 5)	LTE850 (Band 5)	WCDMA 1700/2100 (Band 4)
Back	0.110	0.468	0.179	0.186	0.222	0.364	0.283	0.500
Display	0.179	0.569	0.240	0.226	0.368	0.431	0.333	0.613
Test configuration	**LTE 1700/2100 (Band 4)**	**GSM/GPRS 1900**	**WCDMA 1900 (Band 2)**	**LTE 1900 (Band 2)**	**LTE 2500 (Band 7)**	**-**	**-**	**-**
Back	0.366	0.186	0.414	0.290	-	-	-	-
Display	0.444	0.208	0.502	0.385	-	-	-	-

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Simultaneous transmissions: Combined Body-worn 15 mm 1g SAR results – WLAN Max + Max combined results - Antenna 1

Test configuration	LTE700 (Band 12) + WLAN 2450	LTE700 (Band 17) + WLAN 2450	4-slot GPRS850 + WLAN 2450	WCDMA 850 (Band 5) + WLAN 2450	LTE850 (Band 5) + WLAN 2450	WCDMA 1700/2100 (Band 4) + WLAN 2450	LTE 1700/2100 (Band 4) + WLAN 2450	GSM/GPRS 1900 + WLAN 2450
Back	0.379	0.375	0.399	0.495	0.419	0.773	0.590	0.313
Display	**0.514**	**0.498**	**0.561**	**0.585**	**0.541**	**0.955**	**0.781**	**0.449**
Test configuration	**WCDMA 1900 (Band 2) + WLAN 2450**	**LTE 1900 (Band 2) + WLAN 2450**	**LTE 2500 (Band 7) + WLAN 2450**	**-**	**-**	**-**	**-**	**-**
Back	0.556	0.491	1.042	-	-	-	-	-
Display	**0.850**	**0.761**	**1.047**	-	-	-	-	-

Test configuration	LTE700 (Band 12) + WLAN 5000	LTE700 (Band 17) + WLAN 5000	4-slot GPRS850 + WLAN 5000	WCDMA 850 (Band 5) + WLAN 5000	LTE850 (Band 5) + WLAN 5000	WCDMA 1700/2100 (Band 4) + WLAN 5000	LTE 1700/2100 (Band 4) + WLAN 5000	GSM/GPRS 1900 + WLAN 5000
Back	0.737	0.733	0.757	0.853	0.777	1.131	0.948	0.671
Display	**0.904**	**0.888**	**0.951**	**0.975**	**0.931**	**1.345**	**1.171**	**0.839**
Test configuration	**WCDMA 1900 (Band 2) + WLAN 5000**	**LTE 1900 (Band 2) + WLAN 5000**	**LTE 2500 (Band 7) + WLAN 5000**	**-**	**-**	**-**	**-**	**-**
Back	0.914	0.849	1.400	-	-	-	-	-
Display	**1.240**	**1.151**	**1.437**	-	-	-	-	-

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Simultaneous transmissions: Combined Body-worn 15 mm 1g SAR results – WLAN Max + Max combined results - Antenna 2

Test configuration	LTE700 (Band 12) + WLAN 2450	LTE700 (Band 17) + WLAN 2450	4-slot GPRS850 + WLAN 2450	WCDMA 850 (Band 5) + WLAN 2450	LTE850 (Band 5) + WLAN 2450	WCDMA 1700/2100 (Band 4) + WLAN 2450	LTE 1700/2100 (Band 4) + WLAN 2450	GSM/GPRS 1900 + WLAN 2450
Back	0.289	0.296	0.332	0.474	0.393	0.610	0.476	0.296
Display	**0.419**	**0.405**	**0.547**	**0.610**	**0.512**	**0.792**	**0.623**	**0.387**
Test configuration	**WCDMA 1900 (Band 2) + WLAN 2450**	**LTE 1900 (Band 2) + WLAN 2450**	**LTE 2500 (Band 7) + WLAN 2450**	**-**	**-**	**-**	**-**	**-**
Back	0.524	0.400	-	-	-	-	-	-
Display	**0.681**	**0.564**	-	-	-	-	-	-

Test configuration	LTE700 (Band 12) + WLAN 5000	LTE700 (Band 17) + WLAN 5000	4-slot GPRS850 + WLAN 5000	WCDMA 850 (Band 5) + WLAN 5000	LTE850 (Band 5) + WLAN 5000	WCDMA 1700/2100 (Band 4) + WLAN 5000	LTE 1700/2100 (Band 4) + WLAN 5000	GSM/GPRS 1900 + WLAN 5000
Back	0.647	0.654	0.690	0.832	0.751	0.968	0.834	0.654
Display	**0.809**	**0.795**	**0.937**	**1.000**	**0.902**	**1.182**	**1.013**	**0.777**
Test configuration	**WCDMA 1900 (Band 2) + WLAN 5000**	**LTE 1900 (Band 2) + WLAN 5000**	**LTE 2500 (Band 7) + WLAN 5000**	**-**	**-**	**-**	**-**	**-**
Back	0.882	0.758	-	-	-	-	-	-
Display	**1.071**	**0.954**	-	-	-	-	-	-

Note: Simultaneous Transmission Procedures as described in KDB648474 are not required for Body-worn 15 mm configurations for this product.

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7.2.17 Combined 1g Body-worn 15 mm SAR data

The Combined SAR data given in the tables below has been voluntarily calculated and should be ignored for FCC certification.

The following table gives a more accurate assessment of the SAR values for simultaneous transmission. These values have been calculated using the SPEAG Combined Multiband algorithm, which is based on area scans. It a) converts the 2D area scans into 3D volume scans by assuming frequency-dependent decay characteristics for the E-field, b) sums the SAR values for WLAN2450 and the cellular bands point-by-point and c) calculates the combined average SAR values.

The combinations are done for the maximum Body configuration of the each band or band group. Maximum configurations are given in the Max+Max tables in the Section 7.2 of the report. The same scaling factors are used in plotting as for the individual reported SAR value calculations.

Simultaneous transmissions: Reported* Combined 1g SAR Body-worn 15 mm results – Antenna 1
SPEAG Combined Multiband algorithm results

Test configuration	**LTE700 (Band 12) + WLAN 2450**	**LTE700 (Band 17) + WLAN 2450**	**4-slot GPRS850 + WLAN 2450**	**WCDMA 850 (Band 5) + WLAN 2450**	**LTE850 (Band 5) + WLAN 2450**	**WCDMA 1700/2100 (Band 4) + WLAN 2450**	**LTE 1700/2100 (Band 4) + WLAN 2450**	**GSM/GPRS 1900 + WLAN 2450**
Back	-	-	-	-	-	-	-	-
Display	**0.406**	**0.390**	-	-	-	**0.822**	-	-
Plot no	-	-	-	-	-	-	-	-
Test configuration	**WCDMA 1900 (Band 2) + WLAN 2450**	**LTE 1900 (Band 2) + WLAN 2450**	**LTE 2500 (Band 7) + WLAN 2450**	**- + WLAN 2450**	**- + WLAN 2450**	**- + WLAN 2450**	**- + WLAN 2450**	**- + WLAN 2450**
Back	-	-	-	-	-	-	-	-
Display	**0.704**	-	**0.976**	-	-	-	-	-
Plot no	-	-	B27	-	-	-	-	-

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Test configuration	LTE700 (Band 12) + WLAN 5000	LTE700 (Band 17) + WLAN 5000	4-slot GPRS850 + WLAN 5000	WCDMA 850 (Band 5) + WLAN 5000	LTE850 (Band 5) + WLAN 5000	WCDMA 1700/2100 (Band 4) + WLAN 5000	LTE 1700/2100 (Band 4) + WLAN 5000	GSM/GPRS 1900 + WLAN 5000
Back	-	-	-	-	-	-	-	-
Display	**0.603**	**0.600**	-	-	-	**0.781**	-	-
Plot no	-	-	-	-	-	-	-	-
Test configuration	**WCDMA 1900 (Band 2) + WLAN 5000**	**LTE 1900 (Band 2) + WLAN 5000**	**LTE 2500 (Band 7) + WLAN 5000**	**- + WLAN 5000**	**- + WLAN 5000**	**- + WLAN 5000**	**- + WLAN 5000**	**- + WLAN 5000**
Back	-	-	-	-	-	-	-	-
Display	**0.671**	-	**0.917**	-	-	-	-	-
Plot no	-	-	B28	-	-	-	-	-

Simultaneous transmissions: Reported* Combined 1g SAR Body-worn 15 mm results – Antenna 2
SPEAG Combined Multiband algorithm results

Test configuration	LTE700 (Band 12) + WLAN 2450	LTE700 (Band 17) + WLAN 2450	4-slot GPRS850 + WLAN 2450	WCDMA 850 (Band 5) + WLAN 2450	LTE850 (Band 5) + WLAN 2450	WCDMA 1700/2100 (Band 4) + WLAN 2450	LTE 1700/2100 (Band 4) + WLAN 2450	GSM/GPRS 1900 + WLAN 2450
Back	-	-	-	-	-	-	-	-
Display	-	-	-	**0.486**	-	-	-	-
Plot no	-	-	-	-	-	-	-	-
Test configuration	**WCDMA 1900 (Band 2) + WLAN 2450**	**LTE 1900 (Band 2) + WLAN 2450**	**LTE 2500 (Band 7) + WLAN 2450**	**-**	**-**	**-**	**-**	**-**
Back	-	-	-	-	-	-	-	-
Display	-	-	-	-	-	-	-	-
Plot no	-	-	-	-	-	-	-	-

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Test configuration	LTE700 (Band 12) + WLAN 5000	LTE700 (Band 17) + WLAN 5000	4-slot GPRS850 + WLAN 5000	WCDMA 850 (Band 5) + WLAN 5000	LTE850 (Band 5) + WLAN 5000	WCDMA 1700/2100 (Band 4) + WLAN 5000	LTE 1700/2100 (Band 4) + WLAN 5000	GSM/GPRS 1900 + WLAN 5000
Back	-	-	-	-	-	-	-	-
Display	-	-	-	**0.640**	-	-	-	-
Plot no	-	-	-	-	-	-	-	-
Test configuration	**WCDMA 1900 (Band 2) + WLAN 5000**	**LTE 1900 (Band 2) + WLAN 5000**	**LTE 2500 (Band 7) + WLAN 5000**	**-**	**-**	**-**	**-**	**-**
Back	-	-	-	-	-	-	-	-
Display	-	-	-	-	-	-	-	-
Plot no	-	-	-	-	-	-	-	-

WCDMA850 (Band 5) Antenna 2 + WLAN2450 has the highest Max+Max result of the 850MHz Antenna 1 and Antenna 2 grouped bands: 4-slot GPRS850, WCDMA850 (Band 5) and LTE850 (Band 5).

WCDMA850 (Band 5) Antenna 2 + WLAN5000 has the highest Max+Max result of the 850MHz Antenna 1 and Antenna 2 grouped bands: 4-slot GPRS850, WCDMA850 (Band 5) and LTE850 (Band 5).

WCDMA1700/2100 (Band 4) Antenna 1 + WLAN2450 has the highest Max+Max result of the 1750MHz Antenna 1 and Antenna 2 grouped bands: WCDMA1700/2100 (Band 4) and LTE1700/2100 (Band 4).

WCDMA1700/2100 (Band 4) Antenna 1 + WLAN5000 has the highest Max+Max result of the 1750MHz Antenna 1 and Antenna 2 grouped bands: WCDMA1700/2100 (Band 4) and LTE1700/2100 (Band 4).

WCDMA1900 (Band 2) Antenna 1 + WLAN2450 has the highest Max+Max result of the 1900MHz Antenna 1 and Antenna 2 grouped bands: GSM/GPRS1900, WCDMA1900 (Band 2) and LTE1900 (Band 2).

WCDMA1900 (Band 2) Antenna 1 + WLAN5000 has the highest Max+Max result of the 1900MHz Antenna 1 and Antenna 2 grouped bands: GSM/GPRS1900, WCDMA1900 (Band 2) and LTE1900 (Band 2).

Maximum of the Combined SAR values, namely LTE2500 (Band 7) + WLAN5000, in the above table is less than the maximum SAR value for the contributing cellular band. This is due to a) minimal overlap of the SAR distributions of the cellular band with WLAN5000 and b) uncertainties associated with the different methods of calculation. In this case, the maximum SAR values given for the combined Mode in the Summary table in Section 1.2.2 is that for the individual cellular band LTE2500 (Band 7).

Note:
* Reported SAR values are scaled to, or measured at, upper limit of power tuning tolerance.
The highest result within individual zoom scan or individual expanded zoom scan results is given in Section 1.2 for each transmitter. The highest result within contributing individual zoom scan, individual expanded zoom scan, Speag combined algorithm or combined expanded zoom scan results is given in the Section for the simultaneous transmitter combination giving the highest combined value.

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7.3 The measured Wireless Router 10 mm SAR values for the test device

7.3.1 LTE700 (Band 12) Wireless Router 10 mm SAR results

Antenna 1 / RM-1104

LTE700 (Band 12) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		23.6			Scaling factor*				
Conducted Power		23.4	23.5	23.5	0.2	0.1	0.1	dB	
Time-averaged Power		23.4	23.5	23.5	1.05	1.02	1.02	Lin	
Back	Estimated SAR	-	0.340	-	-	0.348	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	0.362	-	-	0.370	-	0.00	W1
	Full SAR	-	0.363	-	-	0.371	-		
Top	Estimated SAR	-	0.013	-	-	0.013	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.105	-	-	0.107	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.143	-	-	0.146	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.284	-	-	0.291	-	-	-
	Full SAR	-	-	-	-	-	-		

LTE700 (Band 12) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		22.6			Scaling factor*				
Conducted Power		22.4	22.4	22.4	0.2	0.2	0.2	dB	
Time-averaged Power		22.4	22.4	22.4	1.05	1.05	1.05	Lin	
Back	Estimated SAR	-	0.273	-	-	0.286	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	0.283	-	-	0.296	-	-	-
	Full SAR	-	-	-	-	-	-		
Top	Estimated SAR	-	0.011	-	-	0.012	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.083	-	-	0.087	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.115	-	-	0.120	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.229	-	-	0.240	-	-	-
	Full SAR	-	-	-	-	-	-		

(WR LTE12/Ant1 Table continues)

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(WR LTE12/Ant1 Table continues)

LTE700 (Band 12) - 10MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		22.6			Scaling factor*				
Conducted Power		22.4	22.4	22.4	0.2	0.2	0.2	dB	
Time-averaged Power		22.4	22.4	22.4	1.05	1.05	1.05	Lin	
Display	Estimated SAR	-	0.283	-	-	0.296	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1118

LTE700 (Band 12) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		23.6			Scaling factor*				
Conducted Power		23.4	23.3	23.3	0.2	0.3	0.3	dB	
Time-averaged Power		23.4	23.3	23.3	1.05	1.07	1.07	Lin	
Display	Estimated SAR	-	0.411	-	-	0.440	-	0.00	W2
	Full SAR	-	0.406	-	-	**0.435**	-		

Antenna 2 / RM-1104

LTE700 (Band 12) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		23.6			Scaling factor*				
Conducted Power		23.4	23.5	23.5	0.2	0.1	0.1	dB	
Time-averaged Power		23.4	23.5	23.5	1.05	1.02	1.02	Lin	
Back	Estimated SAR	-	0.277	-	-	0.283	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	0.289	-	-	0.296	-	0.01	-
	Full SAR	-	0.278	-	-	0.284	-		
Top	Estimated SAR	-	0.020	-	-	0.021	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.198	-	-	0.203	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.169	-	-	0.173	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.034	-	-	0.035	-	-	-
	Full SAR	-	-	-	-	-	-		

(WR LTE12/Ant2 Table continues)

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(WR LTE12/Ant2 Table continues)

LTE700 (Band 12) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		22.6			Scaling factor*				
Conducted Power		22.4	22.4	22.4	0.2	0.2	0.2	dB	
Time-averaged Power		22.4	22.4	22.4	1.05	1.05	1.05	Lin	
Back	Estimated SAR	-	0.215	-	-	0.225	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	0.230	-	-	0.241	-	-	-
	Full SAR	-	-	-	-	-	-		
Top	Estimated SAR	-	0.015	-	-	0.016	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.156	-	-	0.163	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.133	-	-	0.139	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.028	-	-	0.029	-	-	-
	Full SAR	-	-	-	-	-	-		

LTE700 (Band 12) - 10MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		22.6			Scaling factor*				
Conducted Power		22.4	22.4	22.4	0.2	0.2	0.2	dB	
Time-averaged Power		22.4	22.4	22.4	1.05	1.05	1.05	Lin	
Display	Estimated SAR	-	0.226	-	-	0.237	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 2 / RM-1118

LTE700 (Band 12) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz	CH 23060 704.0 MHz	CH 23095 707.5 MHz	CH 23130 711.0 MHz		
Upper limit		23.6			Scaling factor*				
Conducted Power		23.4	23.3	23.3	0.2	0.3	0.3	dB	
Time-averaged Power		23.4	23.3	23.3	1.05	1.07	1.07	Lin	
Display	Estimated SAR	-	0.331	-	-	0.355	-	0.01	-
	Full SAR	-	0.318	-	-	0.341	-		

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7.3.2 LTE700 (Band 17) Wireless Router 10 mm SAR results

Antenna 1 / RM-1104

LTE700 (Band 17) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		23.5			Scaling factor*				
Conducted Power		23.4	23.3	23.2	0.1	0.2	0.3	dB	
Time-averaged Power		23.4	23.3	23.2	1.02	1.05	1.07	Lin	
Back	Estimated SAR	0.336	-	-	0.344	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.351	-	-	0.359	-	-	-	W3
	Full SAR	0.351	-	-	0.359	-	-		
Top	Estimated SAR	0.015	-	-	0.015	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	0.104	-	-	0.106	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	0.148	-	-	0.151	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	0.283	-	-	0.290	-	-	-	-
	Full SAR	-	-	-	-	-	-		

LTE700 (Band 17) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		22.5			Scaling factor*				
Conducted Power		22.4	22.2	22.1	0.1	0.3	0.4	dB	
Time-averaged Power		22.4	22.2	22.1	1.02	1.07	1.10	Lin	
Back	Estimated SAR	0.261	-	-	0.267	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.270	-	-	0.276	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Top	Estimated SAR	0.012	-	-	0.012	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	0.080	-	-	0.082	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	0.113	-	-	0.116	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	0.215	-	-	0.220	-	-	-	-
	Full SAR	-	-	-	-	-	-		

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LTE700 (Band 17) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		23.5			Scaling factor*				
Conducted Power		23.2	23.4	23.3	0.3	0.1	0.2	dB	
Time-averaged Power		23.2	23.4	23.3	1.07	1.02	1.05	Lin	
Display	Estimated SAR	0.369	-	-	0.395	-	-	0.00	W4
	Full SAR	0.367	-	-	**0.393**	-	-		

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LTE700 (Band 17) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		23.5			Scaling factor*				
Conducted Power		23.4	23.3	23.2	0.1	0.2	0.3	dB	
Time-averaged Power		23.4	23.3	23.2	1.02	1.05	1.07	Lin	
Back	Estimated SAR	0.275	-	-	0.281	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.284	-	-	0.291	-	-	0.01	-
	Full SAR	0.277	-	-	0.283	-	-		
Top	Estimated SAR	0.020	-	-	0.021	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	0.185	-	-	0.189	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	0.168	-	-	0.172	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	0.035	-	-	0.036	-	-	-	-
	Full SAR	-	-	-	-	-	-		

LTE700 (Band 17) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		22.5			Scaling factor*				
Conducted Power		22.4	22.2	22.1	0.1	0.3	0.4	dB	
Time-averaged Power		22.4	22.2	22.1	1.02	1.07	1.10	Lin	
Back	Estimated SAR	0.210	-	-	0.215	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.225	-	-	0.230	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Top	Estimated SAR	0.016	-	-	0.016	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	0.143	-	-	0.146	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	0.130	-	-	0.133	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	0.028	-	-	0.028	-	-	-	-
	Full SAR	-	-	-	-	-	-		

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LTE700 (Band 17) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz	CH 23780 709.0 MHz	CH 23790 710.0 MHz	CH 23800 711.0 MHz		
Upper limit		23.5			Scaling factor*				
Conducted Power		23.2	23.4	23.3	0.3	0.1	0.2	dB	
Time-averaged Power		23.2	23.4	23.3	1.07	1.02	1.05	Lin	
Display	Estimated SAR	0.321	-	-	0.344	-	-	0.01	-
	Full SAR	0.313	-	-	0.335	-	-		

7.3.3 GSM/GPRS/EGPRS 850 Wireless Router 10 mm SAR results

Antenna 1 / RM-1104

4-slot GPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		27.4			Scaling factor*				
Conducted Power		27.2	27.3	27.4	0.2	0.1	-	dB	
Time-averaged Power		24.2	24.3	24.4	1.05	1.02	1.00	Lin	
Back	Estimated SAR	-	0.420	-	-	0.430	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.485	0.469	0.349	0.508	0.480	0.349	0.02	-
	Full SAR	0.469	-	-	0.491	-	-		
Top	Estimated SAR	-	0.011	-	-	0.011	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.203	-	-	0.208	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.085	-	-	0.087	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.174	-	-	0.178	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1118

4-slot GPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		27.4			Scaling factor*				
Conducted Power		26.9	27.0	27.2	0.5	0.4	0.2	dB	
Time-averaged Power		23.9	24.0	24.2	1.12	1.10	1.05	Lin	
Display	Estimated SAR	0.414	-	-	0.465	-	-	0.02	-
	Full SAR	0.396	-	-	0.444	-	-		

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4-slot GPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		**27.4**			**Scaling factor***				
Conducted Power		**27.2**	**27.3**	**27.4**	**0.2**	**0.1**	**-**	**dB**	
Time-averaged Power		**24.2**	**24.3**	**24.4**	**1.05**	**1.02**	**1.00**	**Lin**	
Back	Estimated SAR	-	0.364	-	-	0.372	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.379	0.412	0.459	0.397	0.422	0.459	0.01	W5
	Full SAR	-	-	0.451	-	-	0.451		
Top	Estimated SAR	-	0.029	-	-	0.030	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.173	-	-	0.177	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.225	-	-	0.230	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.044	-	-	0.045	-	-	-
	Full SAR	-	-	-	-	-	-		

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4-slot GPRS850									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz		
Upper limit		**27.4**			**Scaling factor***				
Conducted Power		**26.9**	**27.0**	**27.2**	**0.5**	**0.4**	**0.2**	**dB**	
Time-averaged Power		**23.9**	**24.0**	**24.2**	**1.12**	**1.10**	**1.05**	**Lin**	
Display	Estimated SAR	-	-	0.603	-	-	0.631	0.02	W6
	Full SAR	-	-	0.582	-	-	**0.609**		

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7.3.4 WCDMA850 (Band 5) Wireless Router 10 mm SAR results

Antenna 1 / RM-1104

WCDMA850 (Band 5)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz		
Upper limit		24.9			Scaling factor*				
Conducted Power		24.8	24.7	24.7	0.1	0.2	0.2	dB	
Time-averaged Power		24.8	24.7	24.7	1.02	1.05	1.05	Lin	
Back	Estimated SAR	-	0.580	-	-	0.607	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.619	0.700	0.677	0.633	0.733	0.709	0.04	W7
	Full SAR	-	0.662	-	-	**0.693**	-		
Top	Estimated SAR	-	0.017	-	-	0.018	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.512	-	-	0.536	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.207	-	-	0.217	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.279	-	-	0.292	-	-	-
	Full SAR	-	-	-	-	-	-		

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WCDMA850 (Band 5)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz		
Upper limit		24.9			Scaling factor*				
Conducted Power		24.7	24.8	24.8	0.2	0.1	0.1	dB	
Time-averaged Power		24.7	24.8	24.8	1.05	1.02	1.02	Lin	
Display	Estimated SAR	-	0.640	-	-	0.655	-	0.03	W8
	Full SAR	-	0.609	-	-	0.623	-		

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WCDMA850 (Band 5)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz		
Upper limit		24.9			Scaling factor*				
Conducted Power		24.8	24.7	24.7	0.1	0.2	0.2	dB	
Time-averaged Power		24.8	24.7	24.7	1.02	1.05	1.05	Lin	
Back	Estimated SAR	-	0.513	-	-	0.537	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.630	0.595	0.523	0.645	0.623	0.548	0.02	-
	Full SAR	0.611	-	-	0.625	-	-		
Top	Estimated SAR	-	0.024	-	-	0.025	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.257	-	-	0.269	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.336	-	-	0.352	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.113	-	-	0.118	-	-	-
	Full SAR	-	-	-	-	-	-		

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WCDMA850 (Band 5)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz	CH 4132 826.4 MHz	CH 4175 835.0 MHz	CH 4233 846.6 MHz		
Upper limit		24.9			Scaling factor*				
Conducted Power		24.7	24.8	24.8	0.2	0.1	0.1	dB	
Time-averaged Power		24.7	24.8	24.8	1.05	1.02	1.02	Lin	
Display	Estimated SAR	0.602	-	-	0.630	-	-	0.02	-
	Full SAR	0.584	-	-	0.612	-	-		

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7.3.5 LTE850 (Band 5) Wireless Router 10 mm SAR results

Antenna 1 / RM-1104

LTE850 (Band 5) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		23.8			Scaling factor*				
Conducted Power		23.3	23.3	23.4	0.5	0.5	0.4	dB	
Time-averaged Power		23.3	23.3	23.4	1.12	1.12	1.10	Lin	
Back	Estimated SAR	-	-	0.447	-	-	0.490	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.530	-	-	0.581	0.04	W9
	Full SAR	-	-	0.490	-	-	**0.537**		
Top	Estimated SAR	-	-	0.010	-	-	0.011	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	-	0.316	-	-	0.346	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	-	0.140	-	-	0.154	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	-	0.207	-	-	0.227	-	-
	Full SAR	-	-	-	-	-	-		

LTE850 (Band 5) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		22.8			Scaling factor*				
Conducted Power		22.3	22.2	22.4	0.5	0.6	0.4	dB	
Time-averaged Power		22.3	22.2	22.4	1.12	1.15	1.10	Lin	
Back	Estimated SAR	-	-	0.357	-	-	0.391	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.410	-	-	0.450	-	-
	Full SAR	-	-	-	-	-	-		
Top	Estimated SAR	-	-	0.009	-	-	0.010	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	-	0.266	-	-	0.292	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	-	0.112	-	-	0.123	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	-	0.167	-	-	0.183	-	-
	Full SAR	-	-	-	-	-	-		

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LTE850 (Band 5) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		23.8			Scaling factor*				
Conducted Power		23.6	23.6	23.6	0.2	0.2	0.2	dB	
Time-averaged Power		23.6	23.6	23.6	1.05	1.05	1.05	Lin	
Display	Estimated SAR	-	-	0.503	-	-	0.527	0.02	W10
	Full SAR	-	-	0.488	-	-	0.511		

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LTE850 (Band 5) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		23.8			Scaling factor*				
Conducted Power		23.3	23.3	23.4	0.5	0.5	0.4	dB	
Time-averaged Power		23.3	23.3	23.4	1.12	1.12	1.10	Lin	
Back	Estimated SAR	-	-	0.366	-	-	0.401	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.419	-	-	0.459	0.02	-
	Full SAR	-	-	0.404	-	-	0.443		
Top	Estimated SAR	-	-	0.018	-	-	0.020	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	-	0.159	-	-	0.174	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	-	0.324	-	-	0.355	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	-	0.164	-	-	0.180	-	-
	Full SAR	-	-	-	-	-	-		

(WR LTE5/Ant2 table continues)

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(WR LTE5/Ant2 table continues)

LTE850 (Band 5) - 10MHz - QPSK - 25 RB - Offset 12									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		22.8			Scaling factor*				
Conducted Power		22.3	22.2	22.4	0.5	0.6	0.4	dB	
Time-averaged Power		22.3	22.2	22.4	1.12	1.15	1.10	Lin	
Back	Estimated SAR	-	-	0.291	-	-	0.319	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.334	-	-	0.366	-	-
	Full SAR	-	-	-	-	-	-		
Top	Estimated SAR	-	-	0.014	-	-	0.015	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	-	0.129	-	-	0.141	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	-	0.253	-	-	0.277	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	-	0.128	-	-	0.140	-	-
	Full SAR	-	-	-	-	-	-		

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LTE850 (Band 5) - 10MHz - QPSK - 1 RB - Offset 24									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz	CH 20450 829.0 MHz	CH 20525 836.5 MHz	CH 20600 844.0 MHz		
Upper limit		23.8			Scaling factor*				
Conducted Power		23.6	23.6	23.6	0.2	0.2	0.2	dB	
Time-averaged Power		23.6	23.6	23.6	1.05	1.05	1.05	Lin	
Display	Estimated SAR	-	-	0.395	-	-	0.414	0.02	-
	Full SAR	-	-	0.379	-	-	0.397		

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7.3.6 WCDMA1700/2100 (Band 4) Wireless Router 10 mm SAR results

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WCDMA1700/2100 (Band 4)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		**24.0**	**24.0**	**24.1**	**0.4**	**0.4**	**0.3**	**dB**	
Time-averaged Power		**24.0**	**24.0**	**24.1**	**1.10**	**1.10**	**1.07**	**Lin**	
Back	Estimated SAR	0.945	1.010	0.954	1.036	1.107	1.022	-	-
	Full SAR	-	1.010	-	-	1.107	-		
Display	Estimated SAR	1.030	1.110	1.070	1.129	1.217	1.147	0.02	W11
	Full SAR	-	1.130	-	-	**1.239**	-		
Top	Estimated SAR	-	0.102	-	-	0.112	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.687	-	-	0.753	-	0.00	-
	Full SAR	-	0.688	-	-	0.754	-		
Left	Estimated SAR	-	0.194	-	-	0.213	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	-	-	-	-	-	-	-
	Full SAR	-	0.460	-	-	0.504	-		
Repeated Display	Estimated SAR	-	1.110	-	-	1.217	-	0.02	-
	Full SAR	-	1.130	-	-	1.239	-		

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WCDMA1700/2100 (Band 4)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		**24.0**	**23.8**	**23.9**	**0.4**	**0.6**	**0.5**	**dB**	
Time-averaged Power		**24.0**	**23.8**	**23.9**	**1.10**	**1.15**	**1.12**	**Lin**	
Display	Estimated SAR	-	1.020	-	-	1.171	-	0.04	W12
	Full SAR	-	1.060	-	-	1.217	-		

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WCDMA1700/2100 (Band 4)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		24.0	24.0	24.1	0.4	0.4	0.3	dB	
Time-averaged Power		24.0	24.0	24.1	1.10	1.10	1.07	Lin	
Back	Estimated SAR	-	0.712	-	-	0.781	-	0.00	-
	Full SAR	-	0.714	-	-	0.783	-		
Display	Estimated SAR	0.888	1.030	1.000	0.974	1.129	1.072	0.16	-
	Full SAR	0.881	0.876	0.841	0.966	0.961	0.901		
Top	Estimated SAR	-	0.069	-	-	0.075	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.442	-	-	0.485	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.416	-	-	0.456	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.149	-	-	0.163	-	-	-
	Full SAR	-	-	-	-	-	-		
Repeated Display	Estimated SAR	0.934	0.868	-	1.024	0.952	-	0.02	-
	Full SAR	0.912	0.877	-	1.000	0.962	-		

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WCDMA1700/2100 (Band 4)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz	CH 1312 1712.4 MHz	CH 1412 1732.4 MHz	CH 1513 1752.6 MHz		
Upper limit		24.4			Scaling factor*				
Conducted Power		24.0	23.8	23.9	0.4	0.6	0.5	dB	
Time-averaged Power		24.0	23.8	23.9	1.10	1.15	1.12	Lin	
Display	Estimated SAR	0.875	-	-	0.959	-	-	0.01	-
	Full SAR	0.867	-	-	0.951	-	-		

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7.3.7 LTE1700/2100 (Band 4) Wireless Router 10 mm SAR results

Antenna 1 / RM-1104

LTE1700/2100 (Band 4) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		**23.3**			**Scaling factor***				
Conducted Power		**22.8**	**22.8**	**23.0**	**0.5**	**0.5**	**0.3**	**dB**	
Time-averaged Power		**22.8**	**22.8**	**23.0**	**1.12**	**1.12**	**1.07**	**Lin**	
Back	Estimated SAR	0.734	0.729	0.774	0.824	0.818	0.829	0.01	-
	Full SAR	-	-	0.781	-	-	0.837		
Display	Estimated SAR	0.783	0.817	0.882	0.879	0.917	0.945	0.00	-
	Full SAR	-	-	0.878	-	-	0.941		
Top	Estimated SAR	-	-	0.081	-	-	0.087	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	-	0.514	-	-	0.551	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	-	0.171	-	-	0.183	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	-	0.407	-	-	0.436	-	-
	Full SAR	-	-	-	-	-	-		
Display Repeated	Estimated SAR	-	-	0.865	-	-	0.927	0.03	W13
	Full SAR	-	-	0.893	-	-	**0.957**		

LTE1700/2100 (Band 4) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		**22.3**			**Scaling factor***				
Conducted Power		**21.7**	**21.8**	**22.0**	**0.6**	**0.5**	**0.3**	**dB**	
Time-averaged Power		**21.7**	**21.8**	**22.0**	**1.15**	**1.12**	**1.07**	**Lin**	
Back	Estimated SAR	-	-	0.588	-	-	0.630	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.701	-	-	0.751	-	-
	Full SAR	-	-	-	-	-	-		
Top	Estimated SAR	-	-	0.065	-	-	0.070	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	-	0.411	-	-	0.440	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	-	0.139	-	-	0.149	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	-	0.334	-	-	0.358	-	-
	Full SAR	-	-	-	-	-	-		

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Antenna 1 / RM-1118

LTE1700/2100 (Band 4) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		23.3			Scaling factor*				
Conducted Power		22.9	22.9	23.0	0.4	0.4	0.3	dB	
Time-averaged Power		22.9	22.9	23.0	1.10	1.10	1.07	Lin	
Display	Estimated SAR	-	-	0.766	-	-	0.821	0.02	W14
	Full SAR	-	-	0.784	-	-	0.840		

Antenna 2 / RM-1104

LTE1700/2100 (Band 4) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		23.3			Scaling factor*				
Conducted Power		22.8	22.8	23.0	0.5	0.5	0.3	dB	
Time-averaged Power		22.8	22.8	23.0	1.12	1.12	1.07	Lin	
Back	Estimated SAR	-	-	0.565	-	-	0.605	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.694	-	-	0.744	0.01	-
	Full SAR	-	-	0.702	-	-	0.752		
Top	Estimated SAR	-	-	0.055	-	-	0.059	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	-	0.341	-	-	0.365	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	-	0.358	-	-	0.384	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	-	0.125	-	-	0.134	-	-
	Full SAR	-	-	-	-	-	-		

(WR LTE4/Ant2 table continues)

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(WR LTE5/Ant2 table continues)

LTE1700/2100 (Band 4) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		22.3			Scaling factor*				
Conducted Power		21.7	21.8	22.0	0.6	0.5	0.3	dB	
Time-averaged Power		21.7	21.8	22.0	1.15	1.12	1.07	Lin	
Back	Estimated SAR	-	-	0.443	-	-	0.475	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	-	0.550	-	-	0.589	-	-
	Full SAR	-	-	-	-	-	-		
Top	Estimated SAR	-	-	0.045	-	-	0.048	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	-	0.283	-	-	0.303	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	-	0.290	-	-	0.311	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	-	0.104	-	-	0.111	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 2 / RM-1118

LTE1700/2100 (Band 4) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz	CH 20050 1720.0 MHz	CH 20175 1732.5 MHz	CH 20300 1745.0 MHz		
Upper limit		23.3			Scaling factor*				
Conducted Power		22.9	22.9	23.0	0.4	0.4	0.3	dB	
Time-averaged Power		22.9	22.9	23.0	1.10	1.10	1.07	Lin	
Display	Estimated SAR	-	-	0.619	-	-	0.663	0.01	-
	Full SAR	-	-	0.632	-	-	0.677		

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7.3.8 GSM/GPRS/EGPRS 1900 Wireless Router 10 mm SAR results

Antenna 1 / RM-1104

1-slot GPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		30.6			Scaling factor*				
Conducted Power		30.2	30.1	30.4	0.4	0.5	0.2	dB	
Time-averaged Power		21.2	21.1	21.4	1.10	1.12	1.05	Lin	
Back	Estimated SAR	-	0.329	-	-	0.369	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.373	0.419	0.381	0.409	0.470	0.399	0.01	W15
	Full SAR	-	0.433	-	-	**0.486**	-		
Top	Estimated SAR	-	0.009	-	-	0.010	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.358	-	-	0.402	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.105	-	-	0.118	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.247	-	-	0.277	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1118

4-slot GPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		24.5			Scaling factor*				
Conducted Power		23.9	24.1	24.0	0.6	0.4	0.5	dB	
Time-averaged Power		20.9	21.1	21.0	1.15	1.10	1.12	Lin	
Display	Estimated SAR	-	0.327	-	-	0.359	-	0.01	W16
	Full SAR	-	0.322	-	-	0.353	-		

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Antenna 2 / RM-1104

1-slot GPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		30.6			Scaling factor*				
Conducted Power		30.2	30.1	30.4	0.4	0.5	0.2	dB	
Time-averaged Power		21.2	21.1	21.4	1.10	1.12	1.05	Lin	
Back	Estimated SAR	-	0.304	-	-	0.341	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.331	0.375	0.343	0.363	0.421	0.359	0.00	-
	Full SAR	-	0.375	-	-	0.421	-		
Top	Estimated SAR	-	0.006	-	-	0.007	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.213	-	-	0.239	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.182	-	-	0.204	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.073	-	-	0.082	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 2 / RM-1118

4-slot GPRS1900									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz		
Upper limit		24.5			Scaling factor*				
Conducted Power		23.9	24.1	24.0	0.6	0.4	0.5	dB	
Time-averaged Power		20.9	21.1	21.0	1.15	1.10	1.12	Lin	
Display	Estimated SAR	-	0.364	-	-	0.399	-	0.01	-
	Full SAR	-	0.359	-	-	0.394	-		

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7.3.9 WCDMA1900 (Band 2) Wireless Router 10 mm SAR results

Antenna 1 / RM-1104

WCDMA1900 (Band 2)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz		
Upper limit		**24.3**			**Scaling factor***				
Conducted Power		**23.7**	**24.0**	**24.1**	**0.6**	**0.3**	**0.2**	**dB**	
Time-averaged Power		**23.7**	**24.0**	**24.1**	**1.15**	**1.07**	**1.05**	**Lin**	
Back	Estimated SAR	-	0.711	-	-	0.762	-	0.00	-
	Full SAR	-	0.713	-	-	0.764	-		
Display	Estimated SAR	0.925	0.858	0.821	1.062	0.919	0.860	0.02	-
	Full SAR	0.948	-	-	1.088	-	-		
Top	Estimated SAR	-	0.013	-	-	0.014	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.441	-	-	0.473	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.114	-	-	0.122	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.419	-	-	0.449	-	-	-
	Full SAR	-	-	-	-	-	-		
Repeated Display	Estimated SAR	0.956	-	-	1.098	-	-	0.02	W17
	Full SAR	0.980	-	-	**1.125**	-	-		

Antenna 1 / RM-1118

WCDMA1900 (Band 2)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz		
Upper limit		**24.3**			**Scaling factor***				
Conducted Power		**24.2**	**24.1**	**24.0**	**0.1**	**0.2**	**0.3**	**dB**	
Time-averaged Power		**24.2**	**24.1**	**24.0**	**1.02**	**1.05**	**1.07**	**Lin**	
Display	Estimated SAR	1.040	-	-	1.064	-	-	0.02	W18
	Full SAR	1.060	-	-	1.085	-	-		

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Antenna 2 / RM-1104

WCDMA1900 (Band 2)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz		
Upper limit		24.3			Scaling factor*				
Conducted Power		23.7	24.0	24.1	0.6	0.3	0.2	dB	
Time-averaged Power		23.7	24.0	24.1	1.15	1.07	1.05	Lin	
Back	Estimated SAR	-	0.629	-	-	0.674	-	0.02	-
	Full SAR	-	0.648	-	-	0.694	-		
Display	Estimated SAR	0.867	0.843	0.754	0.995	0.903	0.790	0.02	-
	Full SAR	0.891	-	-	1.023	-	-		
Top	Estimated SAR	-	0.013	-	-	0.013	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.477	-	-	0.511	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.355	-	-	0.380	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.141	-	-	0.151	-	-	-
	Full SAR	-	-	-	-	-	-		
Repeated Display	Estimated SAR	0.863	-	-	0.991	-	-	0.02	-
	Full SAR	0.884	-	-	1.015	-	-		

Antenna 2 / RM-1118

WCDMA1900 (Band 2)									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz	CH 9262 1852.4 MHz	CH 9400 1880.0 MHz	CH 9538 1907.6 MHz		
Upper limit		24.3			Scaling factor*				
Conducted Power		24.2	24.1	24.0	0.1	0.2	0.3	dB	
Time-averaged Power		24.2	24.1	24.0	1.02	1.05	1.07	Lin	
Display	Estimated SAR	0.698	-	-	0.714	-	-	0.02	-
	Full SAR	0.719	-	-	0.736	-	-		

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7.3.10 LTE1900 (Band 2) Wireless Router 10 mm SAR results

Antenna 1 / RM-1104

LTE1900 (Band 2) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		23.2	23.1	23.0	0.2	0.3	0.4	dB	
Time-averaged Power		23.2	23.1	23.0	1.05	1.07	1.10	Lin	
Back	Estimated SAR	0.578	-	-	0.605	-	-	0.02	-
	Full SAR	0.597	-	-	0.625	-	-		
Display	Estimated SAR	0.913	0.845	0.853	0.956	0.905	0.935	0.03	W19
	Full SAR	0.941	-	-	**0.985**	-	-		
Top	Estimated SAR	0.011	-	-	0.012	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	0.427	-	-	0.447	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	0.144	-	-	0.151	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	0.136	-	-	0.142	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Repeated Display	Estimated SAR	0.805	-	-	0.843	-	-	0.01	-
	Full SAR	0.818	-	-	0.857	-	-		

LTE1900 (Band 2) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		22.4			Scaling factor*				
Conducted Power		22.2	22.0	21.9	0.2	0.4	0.5	dB	
Time-averaged Power		22.2	22.0	21.9	1.05	1.10	1.12	Lin	
Back	Estimated SAR	0.448	-	-	0.469	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.712	-	-	0.746	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Top	Estimated SAR	0.010	-	-	0.010	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	0.322	-	-	0.337	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	0.105	-	-	0.110	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	0.136	-	-	0.142	-	-	-	-
	Full SAR	-	-	-	-	-	-		

(WR LTE2/Ant1 Table continues)

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(WR LTE2/Ant1 Table continues)

LTE1900 (Band 2) - 20MHz - QPSK - 100 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		22.4			Scaling factor*				
Conducted Power		22.1	22.0	21.9	0.3	0.4	0.5	dB	
Time-averaged Power		22.1	22.0	21.9	1.07	1.10	1.12	Lin	
Display	Estimated SAR	0.701	-	-	0.751	-	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1118

LTE1900 (Band 2) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		23.1	23.1	23.2	0.3	0.3	0.2	dB	
Time-averaged Power		23.1	23.1	23.2	1.07	1.07	1.05	Lin	
Display	Estimated SAR	0.849	-	-	0.910	-	-	0.01	W20
	Full SAR	0.863	-	-	0.925	-	-		

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Antenna 2 / RM-1104

LTE1900 (Band 2) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		23.2	23.1	23.0	0.2	0.3	0.4	dB	
Time-averaged Power		23.2	23.1	23.0	1.05	1.07	1.10	Lin	
Back	Estimated SAR	0.494	-	-	0.517	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.685	-	-	0.717	-	-	0.02	-
	Full SAR	0.670	-	-	0.702	-	-		
Top	Estimated SAR	0.027	-	-	0.029	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	0.374	-	-	0.392	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	0.406	-	-	0.425	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	0.154	-	-	0.161	-	-	-	-
	Full SAR	-	-	-	-	-	-		

LTE1900 (Band 2) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		22.4			Scaling factor*				
Conducted Power		22.2	22.0	21.9	0.2	0.4	0.5	dB	
Time-averaged Power		22.2	22.0	21.9	1.05	1.10	1.12	Lin	
Back	Estimated SAR	0.393	-	-	0.412	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.532	-	-	0.557	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Top	Estimated SAR	0.019	-	-	0.020	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	0.300	-	-	0.314	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	0.303	-	-	0.317	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	0.120	-	-	0.126	-	-	-	-
	Full SAR	-	-	-	-	-	-		

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Antenna 2 / RM-1118

LTE1900 (Band 2) - 20MHz - QPSK - 1 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz	CH 18700 1860.0 MHz	CH 18900 1880.0 MHz	CH 19100 1900.0 MHz		
Upper limit		23.4			Scaling factor*				
Conducted Power		23.1	23.1	23.2	0.3	0.3	0.2	dB	
Time-averaged Power		23.1	23.1	23.2	1.07	1.07	1.05	Lin	
Display	Estimated SAR	0.557	-	-	0.597	-	-	0.02	-
	Full SAR	0.582	-	-	0.624	-	-		

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7.3.11 LTE2500 (Band 7) Wireless Router 10 mm SAR results

Antenna 1 / RM-1104

LTE2500 (Band 7) - 20MHz - QPSK - 1 RB - Offset 49									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz	CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz		
Upper limit		22.5			Scaling factor*				
Conducted Power		22.3	22.2	22.2	0.2	0.3	0.3	dB	
Time-averaged Power		22.3	22.2	22.2	1.05	1.07	1.07	Lin	
Back	Estimated SAR	0.840	0.863	0.780	0.880	0.925	0.836	0.01	W21
	Full SAR	-	0.851	-	-	0.912	-		
Display	Estimated SAR	0.729	-	-	0.763	-	-	0.01	-
	Full SAR	0.724	-	-	0.758	-	-		
Top	Estimated SAR	0.024	-	-	0.025	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	0.628	-	-	0.658	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	0.093	-	-	0.098	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	0.217	-	-	0.227	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Repeated Back	Estimated SAR	-	0.862	-	-	0.924	-	0.01	-
	Full SAR	-	0.849	-	-	0.910	-		

LTE2500 (Band 7) - 20MHz - QPSK - 50 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz	CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz		
Upper limit		21.5			Scaling factor*				
Conducted Power		21.2	21.2	21.2	0.3	0.3	0.3	dB	
Time-averaged Power		21.2	21.2	21.2	1.07	1.07	1.07	Lin	
Back	Estimated SAR	0.668	-	-	0.716	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.572	-	-	0.613	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Top	Estimated SAR	0.019	-	-	0.020	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	0.499	-	-	0.535	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	0.074	-	-	0.080	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	0.177	-	-	0.190	-	-	-	-
	Full SAR	-	-	-	-	-	-		

(WR LTE7 table continues)

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(WR LTE7 table continues)

LTE2500 (Band 7) - 20MHz - QPSK - 100 RB - Offset 0									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz	CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz		
Upper limit		21.5			Scaling factor*				
Conducted Power		21.2	21.2	21.2	0.3	0.3	0.3	dB	
Time-averaged Power		21.2	21.2	21.2	1.07	1.07	1.07	Lin	
Back	Estimated SAR	0.669	-	-	0.717	-	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1118

Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz	CH 20850 2510.0 MHz	CH 21100 2535.0 MHz	CH 21350 2560.0 MHz		
Upper limit		22.5			Scaling factor*				
Conducted Power		22.3	22.2	22.1	0.2	0.3	0.4	dB	
Time-averaged Power		22.3	22.2	22.1	1.05	1.07	1.10	Lin	
Back	Estimated SAR	-	0.996	-	-	1.067	-	0.02	W22
	Full SAR	-	1.020	-	-	**1.093**	-		
Display	Estimated SAR	0.877	-	-	0.918	-	-	0.00	-
	Full SAR	0.878	-	-	0.919	-	-		

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7.3.12 WLAN2450 Wireless Router 10 mm SAR results

Antenna 1 / RM-1104

WLAN2450 b-mode DSSS 20 MHz									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz	CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz		
Data rate		1	1	1	Scaling factor*			Mbps	
Upper limit		17.5	17.5	17.5					
Conducted Power		16.2	16.2	16.1	1.3	1.3	1.4	dB	
Time-averaged Power		16.2	16.2	16.1	1.35	1.35	1.38	Lin	
Back	Estimated SAR	-	0.146	-	-	0.197	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	0.272	0.266	0.220	0.367	0.359	0.304	0.00	W23
	Full SAR	0.276	-	-	**0.372**	-	-		
Top	Estimated SAR	-	0.148	-	-	0.200	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	Ant.2	-	-	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	Ant.2	-	-	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	0.117	-	-	0.158	-	-	-
	Full SAR	-	-	-	-	-	-		

Antenna 1 / RM-1118

WLAN2450 b-mode DSSS 20 MHz									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz	CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz		
Data rate		2	-	-	Scaling factor*			Mbps	
Upper limit		17.5	-	-					
Conducted Power		16.2	-	-	1.3	-	-	dB	
Time-averaged Power		16.2	-	-	1.35	1.00	1.00	Lin	
Display	Estimated SAR	0.233	-	-	0.314	-	-	0.01	W24
	Full SAR	0.221	-	-	0.298	-	-		

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Antenna 2 / RM-1104

WLAN2450 b-mode DSSS 20 MHz									
Device orientation	SAR measurement	Measured 1g SAR [W/kg]			Reported* 1g SAR [W/kg]			Max Deviation* [W/kg]	Plot #
		CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz	CH 1 2412.0 MHz	CH 6 2437.0 MHz	CH 11 2462.0 MHz		
Data rate		1	1	1	Scaling factor*			Mbps	
Upper limit		15.5	15.5	15.5					
Conducted Power		14.7	14.7	14.6	0.8	0.8	0.9	dB	
Time-averaged Power		14.7	14.7	14.6	1.20	1.20	1.23	Lin	
Back	Estimated SAR	-	Ant.1	-	-	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Display	Estimated SAR	-	Ant.1	-	-	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Top	Estimated SAR	-	Ant.1	-	-	-	-	-	-
	Full SAR	-	-	-	-	-	-		
Bottom	Estimated SAR	-	0.133	-	-	0.160	-	-	-
	Full SAR	-	-	-	-	-	-		
Left	Estimated SAR	-	0.043	-	-	0.052	-	-	-
	Full SAR	-	-	-	-	-	-		
Right	Estimated SAR	-	Ant.1	-	-	-	-	-	-
	Full SAR	-	-	-	-	-	-		

Adjusted SAR calculations for the next OFDM test configurations

Adjusted SAR							
Test configuration used	Next test configuration	Device Orientation	Reported 1g SAR for test cfg used [W/kg]	Tuning target for test cfg used [dBm]*	Tuning target for next test cfg [dBm]*	Adjusted 1g SAR [W/kg]	Adjusted SAR > 1.20 [YES/NO]
DSSS b-mode 20 MHz Data rate 1	OFDM g-mode 40MHz Data rate 6	Display	0.179	15.1	15.1	0.179	NO

* Tuning targets are used as [mW] when calculated Adjusted SAR.

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7.3.13 WLAN5000 U-NII-1 and U-NII-2A Wireless Router 10 mm SAR results

Antenna 1 &2 / RM-1104

WLAN5000 OFDM 40 MHz												
Device orientation	SAR measurement	Measured 1g SAR [W/kg]				Reported* 1g SAR [W/kg]				Max Deviation* [W/kg]	Plot #
		U-NII-1				U-NII-1					
		CH 38 5190.0 MHz	CH 46 5230.0 MHz	-	-	CH 38 5190.0 MHz	CH 46 5230.0 MHz	-	-		
Standard		ac	ac	-	-	Scaling factor*					
Data rate / MCS		MCS0	MCS0	-	-					Mbps	
Upper limit		16.5	16.5	-	-						
Conducted Power		16.0	16.0	-	-	0.5	0.5	-	-	dB	
Time-averaged Power		16.0	16.0	-	-	1.12	1.12	-	-	Lin	
Back	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.407	-	-	-	0.457	-	-		
Display	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.668	-	-	-	0.750	-	-		
Top	Estimated SAR	-	-	-	-	-	-	-	-	-	W25
	Full SAR	0.717	0.765	-	-	0.804	**0.858**	-	-		
Bottom	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.056	-	-	-	0.062	-	-		
Left	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.021	-	-	-	0.024	-	-		
Right	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.397	-	-	-	0.445	-	-		

Antenna 1 &2 / RM-1118

WLAN5000 OFDM 40 MHz												
Device orientation	SAR measurement	Measured 1g SAR [W/kg]				Reported* 1g SAR [W/kg]				Max Deviation* [W/kg]	Plot #
		U-NII-1				U-NII-1					
		CH 38 5190.0 MHz	CH 46 5230.0 MHz	-	-	CH 38 5190.0 MHz	CH 46 5230.0 MHz	-	-		
Standard		-	ac	-	-	Scaling factor*					
Data rate / MCS		-	MCS0	-	-					Mbps	
Upper limit		-	16.5	-	-						
Conducted Power		-	16.0	-	-	-	0.5	-	-	dB	
Time-averaged Power		-	16.0	-	-	1.00	1.12	-	-	Lin	
Display	Estimated SAR	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.560	-	-	-	0.628	-	-		
Top	Estimated SAR	-	-	-	-	-	-	-	-	-	W26
	Full SAR	-	0.555	-	-	-	0.623	-	-		

Adjusted SAR calculations for the next OFDM test configurations

Adjusted SAR							
Test configuration used	Next test configuration	Device Orientation	Reported 1g SAR for test cfg used [W/kg]	Tuning target for test cfg used [dBm]*	Tuning target for next test cfg [dBm]*	Adjusted 1g SAR [W/kg]	Adjusted SAR > 1.20 [YES/NO]
OFDM ac-mode 40 MHz MCS0 SS1	OFDM ac-mode 80MHz MCS0 SS1	Top	0.858	15.0	14.0	0.682	NO

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* Tuning targets are used as [mW] when calculated Adjusted SAR.

7.3.14 WLAN5000 U-NII-3 Wireless Router 10 mm SAR results

Antenna 1 &2 / RM-1104

WLAN5000 OFDM 40 MHz													
Device orientation	SAR measurement	Measured 1g SAR [W/kg]					Reported* 1g SAR [W/kg]					Max Deviation* [W/kg]	Plot #
		U-NII-3					U-NII-3						
		CH 151 5755.0 MHz	CH 159 5795.0 MHz	-	-	-	CH 151 5755.0 MHz	CH 159 5795.0 MHz	-	-	-		
Standard		ac	ac	-	-	-	Scaling factor*						
Data rate / MCS		MCS0	MCS0	-	-	-						Mbps	
Upper limit		16.5	16.5	-	-	-							
Conducted Power		15.7	15.9	-	-	-	0.8	0.6	-	-	-	dB	
Time-averaged Power		15.7	15.9	-	-	-	1.20	1.15	-	-	-	Lin	
Back	Estimated SAR	-	-	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.399	-	-	-	-	0.458	-	-	-		
Display	Estimated SAR	-	-	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.614	-	-	-	-	0.705	-	-	-		
Top	Estimated SAR	-	-	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.578	-	-	-	-	0.664	-	-	-		
Bottom	Estimated SAR	-	-	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.024	-	-	-	-	0.028	-	-	-		
Left	Estimated SAR	-	-	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.007	-	-	-	-	0.009	-	-	-		
Right	Estimated SAR	-	-	-	-	-	-	-	-	-	-	-	-
	Full SAR	-	0.360	-	-	-	-	0.413	-	-	-		

Adjusted SAR calculations for the next OFDM test configurations

Adjusted SAR							
Test configuration used	Next test configuration	Device Orientation	Reported 1g SAR for test cfg used [W/kg]	Tuning target for test cfg used [dBm]*	Tuning target for next test cfg [dBm]*	Adjusted 1g SAR [W/kg]	Adjusted SAR > 1.20 [YES/NO]
OFDM ac-mode 40 MHz MCS0 SS1	OFDM ac-mode 80MHz MCS0 SS1	Top	0.858	15.0	14.0	0.682	NO

* Tuning targets are used as [mW] when calculated Adjusted SAR.

Individual Wireless Router 10 mm SAR plots are given in Appendix B.

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Simultaneous transmissions: Combined Wireless Router 10 mm 1g SAR results – WLAN and Individual band Max results - Antenna 1

Test configuration	WLAN 2450	WLAN 5000	LTE700 (Band 12)	LTE700 (Band 17)	4-slot GPRS850	WCDMA 850 (Band 5)	LTE850 (Band 5)	WCDMA 1700/2100 (Band 4)
Back	0.197	0.458	0.348	0.344	0.430	0.607	0.490	1.107
Display	0.372	0.750	0.435	0.393	0.491	0.693	0.537	1.239
Top	0.200	0.858	0.013	0.015	0.011	0.018	0.011	0.112
Bottom	0.160	0.062	0.107	0.106	0.208	0.536	0.346	0.754
Left	0.052	0.024	0.146	0.151	0.087	0.217	0.154	0.213
Right	0.158	0.445	0.291	0.290	0.178	0.292	0.227	0.504
Test configuration	**LTE 1700/2100 (Band 4)**	**GSM/GPRS 1900**	**WCDMA 1900 (Band 2)**	**LTE 1900 (Band 2)**	**LTE 2500 (Band 7)**	**-**	**-**	**-**
Back	0.837	0.369	0.764	0.625	1.093	-	-	-
Display	0.957	0.486	1.125	0.985	0.919	-	-	-
Top	0.087	0.010	0.014	0.012	0.025	-	-	-
Bottom	0.551	0.402	0.473	0.447	0.658	-	-	-
Left	0.183	0.118	0.122	0.151	0.098	-	-	-
Right	0.436	0.277	0.449	0.142	0.227	-	-	-

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Simultaneous transmissions: Combined Wireless Router 10 mm 1g SAR results – WLAN and Individual band Max results - Antenna 2

Test configuration	WLAN 2450	WLAN 5000	LTE700 (Band 12)	LTE700 (Band 17)	4-slot GPRS850	WCDMA 850 (Band 5)	LTE850 (Band 5)	WCDMA 1700/2100 (Band 4)
Back	0.197	0.458	0.283	0.281	0.372	0.537	0.401	0.783
Display	0.372	0.750	0.341	0.335	0.609	0.625	0.443	1.000
Top	0.200	0.858	0.021	0.021	0.030	0.025	0.020	0.075
Bottom	0.160	0.062	0.203	0.189	0.177	0.269	0.174	0.485
Left	0.052	0.024	0.173	0.172	0.230	0.352	0.355	0.456
Right	0.158	0.445	0.035	0.036	0.045	0.118	0.180	0.163
Test configuration	**LTE 1700/2100 (Band 4)**	**GSM/GPRS 1900**	**WCDMA 1900 (Band 2)**	**LTE 1900 (Band 2)**	**LTE 2500 (Band 7)**	**-**	**-**	**-**
Back	0.605	0.341	0.694	0.517	-	-	-	-
Display	0.752	0.421	1.023	0.702	-	-	-	-
Top	0.059	0.007	0.013	0.029	-	-	-	-
Bottom	0.365	0.239	0.511	0.392	-	-	-	-
Left	0.384	0.204	0.380	0.425	-	-	-	-
Right	0.134	0.082	0.151	0.161	-	-	-	-

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Simultaneous transmissions: Combined Wireless Router 10 mm 1g SAR results – WLAN Max + Max combined results - Antenna 1

Test configuration	LTE700 (Band 12) + WLAN 2450	LTE700 (Band 17) + WLAN 2450	4-slot GPRS850 + WLAN 2450	WCDMA 850 (Band 5) + WLAN 2450	LTE850 (Band 5) + WLAN 2450	WCDMA 1700/2100 (Band 4) + WLAN 2450	LTE 1700/2100 (Band 4) + WLAN 2450	GSM/GPRS 1900 + WLAN 2450
Back	0.545	0.541	0.627	0.804	0.687	1.304	1.034	0.566
Display	**0.807**	**0.765**	**0.863**	**1.065**	**0.909**	**1.611**	**1.329**	**0.858**
Top	0.213	0.215	0.211	0.218	0.211	0.312	0.287	0.210
Bottom	0.267	0.266	0.368	0.696	0.506	0.914	0.711	0.562
Left	0.198	0.203	0.139	0.269	0.206	0.265	0.235	0.170
Right	0.449	0.448	0.336	0.450	0.385	0.662	0.594	0.435
Test configuration	**WCDMA 1900 (Band 2) + WLAN 2450**	**LTE 1900 (Band 2) + WLAN 2450**	**LTE 2500 (Band 7) + WLAN 2450**	**-**	**-**	**-**	**-**	**-**
Back	0.961	0.822	1.290	-	-	-	-	-
Display	**1.497**	**1.357**	**1.291**	-	-	-	-	-
Top	0.214	0.212	0.225	-	-	-	-	-
Bottom	0.633	0.607	0.818	-	-	-	-	-
Left	0.174	0.203	0.150	-	-	-	-	-
Right	0.607	0.300	0.385	-	-	-	-	-

(Max+Max/Ant1 table continues)

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(Max+Max/Ant1 table continues)

Test configuration	LTE700 (Band 12) + WLAN 5000	LTE700 (Band 17) + WLAN 5000	4-slot GPRS850 + WLAN 5000	WCDMA 850 (Band 5) + WLAN 5000	LTE850 (Band 5) + WLAN 5000	WCDMA 1700/2100 (Band 4) + WLAN 5000	LTE 1700/2100 (Band 4) + WLAN 5000	GSM/GPRS 1900 + WLAN 5000
Back	0.806	0.802	0.888	1.065	0.948	1.565	1.295	0.827
Display	**1.185**	**1.143**	**1.241**	**1.443**	**1.287**	**1.989**	**1.707**	**1.236**
Top	0.871	0.873	0.869	0.876	0.869	0.970	0.945	0.868
Bottom	0.169	0.168	0.270	0.598	0.408	0.816	0.613	0.464
Left	0.170	0.175	0.111	0.241	0.178	0.237	0.207	0.142
Right	0.736	0.735	0.623	0.737	0.672	0.949	0.881	0.722
Test configuration	**WCDMA 1900 (Band 2) + WLAN 5000**	**LTE 1900 (Band 2) + WLAN 5000**	**LTE 2500 (Band 7) + WLAN 5000**	**-**	**-**	**-**	**-**	**-**
Back	1.222	1.083	1.551	-	-	-	-	-
Display	**1.875**	**1.735**	**1.669**	-	-	-	-	-
Top	0.872	0.870	0.883	-	-	-	-	-
Bottom	0.535	0.509	0.720	-	-	-	-	-
Left	0.146	0.175	0.122	-	-	-	-	-
Right	0.894	0.587	0.672	-	-	-	-	-

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Simultaneous transmissions: Combined Wireless Router 10 mm 1g SAR results – WLAN Max + Max combined results - Antenna 2

Test configuration	LTE700 (Band 12) + WLAN 2450	LTE700 (Band 17) + WLAN 2450	4-slot GPRS850 + WLAN 2450	WCDMA 850 (Band 5) + WLAN 2450	LTE850 (Band 5) + WLAN 2450	WCDMA 1700/2100 (Band 4) + WLAN 2450	LTE 1700/2100 (Band 4) + WLAN 2450	GSM/GPRS 1900 + WLAN 2450
Back	0.480	0.478	0.569	0.734	0.598	0.980	0.802	0.538
Display	**0.713**	**0.707**	**0.981**	**0.997**	**0.815**	**1.372**	**1.124**	**0.793**
Top	0.221	0.221	0.230	0.225	0.220	0.275	0.259	0.207
Bottom	0.363	0.349	0.337	0.429	0.334	0.645	0.525	0.399
Left	0.225	0.224	0.282	0.404	0.407	0.508	0.436	0.256
Right	0.193	0.194	0.203	0.276	0.338	0.321	0.292	0.240
Test configuration	**WCDMA 1900 (Band 2) + WLAN 2450**	**LTE 1900 (Band 2) + WLAN 2450**	**LTE 2500 (Band 7)**	**-**	**-**	**-**	**-**	**-**
Back	0.891	0.714	-	-	-	-	-	-
Display	**1.395**	**1.074**	-	-	-	-	-	-
Top	0.213	0.229	-	-	-	-	-	-
Bottom	0.671	0.552	-	-	-	-	-	-
Left	0.432	0.477	-	-	-	-	-	-
Right	0.309	0.319	-	-	-	-	-	-

(Max+Max/Ant2 table continues)

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(Max+Max/Ant2 table continues)

Test configuration	LTE700 (Band 12) + WLAN 5000	LTE700 (Band 17) + WLAN 5000	4-slot GPRS850 + WLAN 5000	WCDMA 850 (Band 5) + WLAN 5000	LTE850 (Band 5) + WLAN 5000	WCDMA 1700/2100 (Band 4) + WLAN 5000	LTE 1700/2100 (Band 4) + WLAN 5000	GSM/GPRS 1900 + WLAN 5000
Back	0.741	0.739	0.830	0.995	0.859	1.241	1.063	0.799
Display	**1.091**	**1.085**	**1.359**	**1.375**	**1.193**	**1.750**	**1.502**	**1.171**
Top	0.879	0.879	0.888	0.883	0.878	0.933	0.917	0.865
Bottom	0.265	0.251	0.239	0.331	0.236	0.547	0.427	0.301
Left	0.197	0.196	0.254	0.376	0.379	0.480	0.408	0.228
Right	0.480	0.481	0.490	0.563	0.625	0.608	0.579	0.527
Test configuration	**WCDMA 1900 (Band 2) + WLAN 5000**	**LTE 1900 (Band 2) + WLAN 5000**	**LTE 2500 (Band 7)**	**-**	**-**	**-**	**-**	**-**
Back	1.152	0.975	-	-	-	-	-	-
Display	**1.773**	**1.452**	-	-	-	-	-	-
Top	0.871	0.887	-	-	-	-	-	-
Bottom	0.573	0.454	-	-	-	-	-	-
Left	0.404	0.449	-	-	-	-	-	-
Right	0.596	0.606	-	-	-	-	-	-

7.3.1 Simultaneous Transmission SAR Test Exclusion Considerations for Wireless Router 10 mm Measurements

Simultaneous transmission SAR tests exclusion procedures as described in KDB 447498 D01 v05 is needed for some Wireless Router measurements. Following table gives antenna pair SAR to peak location separation ratios for the transmitter combinations for which the sum of simultaneously transmitting 1g SAR was above limit (See “Max+Max Combined results” table in previous section).

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Antenna Pair SAR to Peak Location Separation Ratio – Antenna 1

	WCDMA 1700/2100 (Band 4)	WLAN 2450	WCDMA 1700/2100 (Band 4)	WLAN 5000	LTE 1700/2100 (Band 4)	WLAN 5000	WCDMA 1900 (Band 2)	WLAN 5000
	Display		Display		Display		Display	
X [mm]	-55.5	58.0	-55.5	70.0	-55.5	70.0	-52.5	70.0
Y [mm]	7.5	-28.0	7.5	-28.0	-1.5	-28.0	9.0	-28.0
Z [mm]	-172.9	-171.0	-172.9	-171.4	-172.9	-171.4	-172.1	-171.4
DISTANCE [mm]	118.94		130.43		128.28		127.97	
MAX + MAX (Reported SAR)	1.61		1.99		1.71		1.88	
SAR to peak location separation ratio	0.02		0.02		0.02		0.02	
	LTE 1900 (Band 2)	WLAN 5000	LTE2500 (Band 7)	WLAN 5000	-	-	-	-
	Display		Display		-		-	
X [mm]	-55.5	70.0	-59.0	70.0	-	-	-	-
Y [mm]	9.0	-28.0	10.0	-28.0	-	-	-	-
Z [mm]	-171.9	-171.4	-171.7	-171.4	-	-	-	-
DISTANCE [mm]	130.84		134.49		-		-	
MAX + MAX (Reported SAR)	1.74		1.67		-		-	
SAR to peak location separation ratio	0.02		0.02		-		-	

Antenna Pair SAR to Peak Location Separation Ratio – Antenna 2

	WCDMA 1700/2100 (Band 4)	WLAN 5000	WCDMA 1900 (Band 2)	WLAN 5000
	Display		Display	
X [mm]	-61.5	70.0	-55.5	70.0
Y [mm]	25.5	-28.0	28.5	-28.0
Z [mm]	-172.8	-171.4	-172.1	-171.4
DISTANCE [mm]	141.97		137.63	
MAX + MAX (Reported SAR)	1.75		1.77	
SAR to peak location separation ratio	0.02		0.02	

All simultaneous transmitter configurations where Antenna Pair SPLSR ≤ 0.04, are excluded from expanded zoom scan testing. For this product no expanded zoom scan testing is required for Wireless Router 10 mm configurations.

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7.3.2 Combined 1g Wireless Router 10 mm SAR data

The Combined SAR data given in the tables below has been voluntarily calculated and should be ignored for FCC certification.

The following table gives a more accurate assessment of the SAR values for simultaneous transmission. These values have been calculated using the SPEAG Combined Multiband algorithm, which is based on area scans. It a) converts the 2D area scans into 3D volume scans by assuming frequency-dependent decay characteristics for the E-field, b) sums the SAR values for WLAN2450 and the cellular bands point-by-point and c) calculates the combined average SAR values.

The combinations are done for the maximum Wireless Router 10 mm configuration of the each band or band group. Maximum configurations are given in the Max+Max tables in the Section 7.3 of the report. The same scaling factors are used in plotting as for the individual reported SAR value calculations.

Simultaneous transmissions: Reported* Combined 1g SAR Wireless Router 10 mm results – Antenna 1
SPEAG Combined Multiband algorithm results

Test configuration	LTE700 (Band 12) + WLAN 2450	LTE700 (Band 17) + WLAN 2450	4-slot GPRS850 + WLAN 2450	WCDMA 850 (Band 5) + WLAN 2450	LTE850 (Band 5) + WLAN 2450	WCDMA 1700/2100 (Band 4) + WLAN 2450	LTE 1700/2100 (Band 4) + WLAN 2450	GSM/GPRS 1900 + WLAN 2450
Back	-	-	-	-	-	-	-	-
Display	**0.558**	**0.516**	-	**0.838**	-	**1.350**	-	-
Top	-	-	-	-	-	-	-	-
Bottom	-	-	-	-	-	-	-	-
Left	-	-	-	-	-	-	-	-
Right	-	-	-	-	-	-	-	-
Plot no	-	-	-	-	-	W27	-	-
Test configuration	**WCDMA 1900 (Band 2) + WLAN 2450**	**LTE 1900 (Band 2) + WLAN 2450**	**LTE 2500 (Band 7) + WLAN 2450**	**- + WLAN 2450**	**- + WLAN 2450**	**- + WLAN 2450**	**- + WLAN 2450**	**- + WLAN 2450**
Back	-	-	-	-	-	-	-	-
Display	**1.230**	-	**1.060**	-	-	-	-	-
Top	-	-	-	-	-	-	-	-
Bottom	-	-	-	-	-	-	-	-
Left	-	-	-	-	-	-	-	-
Right	-	-	-	-	-	-	-	-
Plot no	-	-	-	-	-	-	-	-

(WR/Ant1 Speag combined table continues)

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(WR/Ant1 Speag combined table continues)

Test configuration	LTE700 (Band 12) + WLAN 5000	LTE700 (Band 17) + WLAN 5000	4-slot GPRS850 + WLAN 5000	WCDMA 850 (Band 5) + WLAN 5000	LTE850 (Band 5) + WLAN 5000	WCDMA 1700/2100 (Band 4) + WLAN 5000	LTE 1700/2100 (Band 4) + WLAN 5000	GSM/GPRS 1900 + WLAN 5000
Back	-	-	-	-	-	-	-	-
Display	**0.754**	**0.772**	-	**0.821**	-	**1.230**	-	-
Top	-	-	-	-	-	-	-	-
Bottom	-	-	-	-	-	-	-	-
Left	-	-	-	-	-	-	-	-
Right	-	-	-	-	-	-	-	-
Plot no	-	-	-	-	-	W28	-	-
Test configuration	**WCDMA 1900 (Band 2) + WLAN 5000**	**LTE 1900 (Band 2) + WLAN 5000**	**LTE 2500 (Band 7) + WLAN 5000**	**- + WLAN 5000**	**- + WLAN 5000**	**- + WLAN 5000**	**- + WLAN 5000**	**- + WLAN 5000**
Back	-	-	-	-	-	-	-	-
Display	**1.130**	-	**0.932**	-	-	-	-	-
Top	-	-	-	-	-	-	-	-
Bottom	-	-	-	-	-	-	-	-
Left	-	-	-	-	-	-	-	-
Right	-	-	-	-	-	-	-	-
Plot no	W29	-	W30	-	-	-	-	-

Simultaneous transmissions: Reported* Combined 1g SAR Wireless Router 10 mm results – Antenna 2
SPEAG Combined Multiband algorithm results

Based on Max+Max results in the previous tables, there is no need to make Speag combinations for Antenna 2 results.

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WCDMA850 (Band 5) Antenna 1 + WLAN2450 has the highest Max+Max result of the 850MHz Antenna 1 and Antenna 2 grouped bands: 4-slot GPRS850, WCDMA850 (Band 5) and LTE850 (Band 5).

WCDMA850 (Band 5) Antenna 1 + WLAN5000 has the highest Max+Max result of the 850MHz Antenna 1 and Antenna 2 grouped bands: 4-slot GPRS850, WCDMA850 (Band 5) and LTE850 (Band 5).

WCDMA1700/2100 (Band 4) Antenna 1 + WLAN2450 has the highest Max+Max result of the 1750MHz Antenna 1 and Antenna 2 grouped bands: WCDMA1700/2100 (Band 4) and LTE1700/2100 (Band 4).

WCDMA1700/2100 (Band 4) Antenna 1 + WLAN5000 has the highest Max+Max result of the 1750MHz Antenna 1 and Antenna 2 grouped bands: WCDMA1700/2100 (Band 4) and LTE1700/2100 (Band 4).

WCDMA1900 (Band 2) Antenna 1 + WLAN2450 has the highest Max+Max result of the 1900MHz Antenna 1 and Antenna 2 grouped bands: GSM/GPRS1900, WCDMA1900 (Band 2) and LTE1900 (Band 2).

WCDMA1900 (Band 2) Antenna 1 + WLAN5000 has the highest Max+Max result of the 1900MHz Antenna 1 and Antenna 2 grouped bands: GSMGPRS1900, WCDMA1900 (Band 2) and LTE1900 (Band 2).

Maximum of the Combined SAR values, namely WCDMA1700/2100 (Band 4) Antenna 1 + WLAN5000, in the above table is less than the maximum SAR value for the contributing cellular band. This is due to a) minimal overlap of the SAR distributions of the cellular band with WLAN5000 and b) uncertainties associated with the different methods of calculation. In this case, the maximum SAR values given for the combined Mode in the Summary table in Section 1.2.3 is that for the individual cellular band WCDMA1700/2100 (Band 4).

Note:
* Reported SAR values are scaled to, or measured at, upper limit of power tuning tolerance.
The highest result within individual zoom scan or individual expanded zoom scan results is given in Section 1.2 for each transmitter. The highest result within contributing individual zoom scan, individual expanded zoom scan, Speag combined algorithm or combined expanded zoom scan results is given in the Section for the simultaneous transmitter combination giving the highest combined value.

Speag Combined Multiband Wireless Router 10 mm SAR plots are given in Appendix B.

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