

ELECTROMAGNETIC EMISSION COMPLIANCE REPORT FOR LOW-POWER, NON-LICENSED TRANSMITTER

Test Report No. : W174R-D006

AGR No. : A172A-372

Applicant : LG Innotek Co., Ltd.

Address : 26, Hanamsandan 5beon-ro Gwangsan-gu, Gwangju, 506-731, South Korea

Manufacturer : LG Innotek Co., Ltd.

Address : 26, Hanamsandan 5beon-ro Gwangsan-gu, Gwangju, 506-731, South Korea

Type of Equipment : BT(V4.2) + WLAN(802.11a/b/g/n/ac) 2x2 MIMO Module

FCC ID. : YZP-RBHP-B216C

Model Name : RBHP-B216C

Serial number : N/A

Total page of Report : 16 pages (including this page)

Date of Incoming : March 21, 2017

Date of issue : April 05, 2017

SUMMARY

The equipment complies with the regulation; FCC PART 15 SUBPART E Section 15.407

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.

Reviewed by:

Ki-Hong, Nam / Asst, Chief Engineer ONETECH Corp.

Approved by:

Keun-Young, Choi / Vice President

Report No. : W174R-D006

ONETECH Corp.

CONTENTS

PAGE





1. VERIFICATION OF COMPLIANCE	4
2. GENERAL INFORMATION	5
2.1 Product Description	5
2.2 ALTERNATIVE TYPE(S)/MODEL(S); ALSO COVERED BY THIS TEST REPORT	8
3. EUT MODIFICATIONS	8
4. MAXIMUM PERMISSIBLE EXPOSURE	9



REVISION HISTORY

Issued Report No.	Issued Date	Revisions	Effect Section
W174R-D006	April 05, 2017	Initial Issue	All

DOCUMENT HISTORY

Revision No.	Issued Date	Revisions	Effect Section
Original	April 05, 2017	Initial Issue	-
Revision 01	April 11, 2017	The add FCC ID/IC information and DFS function.	8 Page
Revision 02	April 13, 2017	Delete for the FCC ID/IC information.	8 Page





1. VERIFICATION OF COMPLIANCE

Applicant : LG Innotek Co., Ltd.

Address : 26, Hanamsandan 5beon-ro Gwangsan-gu, Gwangju, 506-731, South Korea

Contact Person : Jeong Inchang / Senior Research Engineer

Telephone No. : +82-62-950-0332 FCC ID : YZP-RBHP-B216C

Model Name : RBHP-B216C

Serial Number : N/A

Date : April 05, 2017

EQUIPMENT CLASS	Unlicensed National Information infrastructure(UNII)	
E.U.T. DESCRIPTION	Modular Transmitter, BT(V4.2) + WLAN(802.11a/b/g/n/ac) 2x2 MIMO Module	
THIS REPORT CONCERNS	Original Grant	
MEASUREMENT PROCEDURES	ANSI C63.10: 2013	
TYPE OF EQUIPMENT TESTED	Pre-Production	
KIND OF EQUIPMENT		
AUTHORIZATION REQUESTED	Certification	
EQUIPMENT WILL BE OPERATED	ECO DA DE 15 GUDDA DE E G. V. V. 15 407	
UNDER FCC RULES PART(S)	FCC PART 15 SUBPART E Section 15.407	
Modifications on the Equipment to	Nama	
Achieve Compliance	None	
Final Test was Conducted On	3 m, Semi Anechoic Chamber	

^{-.} The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.



2. GENERAL INFORMATION

2.1 Product Description

The LG Innotek Co., Ltd., Model RBHP-B216C (referred to as the EUT in this report) is a BT(V4.2) + WLAN(802.11a/b/g/n/ac) 2x2 MIMO Module. Product specification information described herein was obtained from product data sheet or user's manual.

DEVICE TYPE	BT(V4.2) + WLAN(802.11a/b/g/n/ac) 2x2 MIMO Module		
	Bluetooth	2 402 MHz ~ 2 480) MHz
	WLAN	2.412 MHz ~ 2.462	2 MHz (802.11b/g/n(HT20))
	2.4 GHz Band	2 412 WHZ ~ 2 402	2 WHIZ (802.110/g/II(11120))
		5 150 MH	5 180 MHz ~ 5 240 MHz (802.11a/n(HT20)/ac(VHT20))
		5 150 MHz ~	5 190 MHz ~ 5 230 MHz (802.11n(HT40)/ac(VHT40))
		5 250 MHz Band	5 210 MHz (802.11ac(VHT80))
			5 260 MHz ~ 5 320 MHz (802.11a/n(HT20)/ac(VHT20))
FREQUENCY		5 250 MHz ~ 5 350 MHz Band	5 270 MHz ~ 5 310 MHz (802.11n(HT40)/ac(VHT40))
RANGE	WLAN		5 290 MHz (802.11ac(VHT80))
	5 GHz Band	5 450 X 534	5 500 MHz ~ 5 720 MHz (802.11a/n(HT20)/ac(VHT20))
		5 470 MHz ~ 5 725 MHz Band	5 510 MHz ~ 5 710 MHz (802.11n(HT40)/ac(VHT40))
			5 530 MHz (802.11ac(VHT80))
		5.505.) (1)	5 745 MHz ~ 5 825 MHz (802.11a/n(HT20)/ac(VHT20))
		5 725 MHz ~	5 755 MHz ~ 5 795 MHz (802.11n(HT40)/ac(VHT40))
		5 850 MHz Band	5 775 MHz (802.11ac(VHT80))



		1 Mbps	0.97 dBm			
	Bluetooth	2 Mbps	-1.67 dBm			
		3 Mbps	-1.24 dBm	-1.24 dBm		
	WLAN	Wi-Fi 802.11b (16.40 dBm)				
	2.4 GHz Band	Wi-Fi 802.11g (15.5	84 dBm)			
	2.1 GIL Build	Wi-Fi 802.11n(HT20) (15.05 dBm)				
				Wi-Fi 802.11a (13.96 dBm)		
			Antenna 0	Wi-Fi 802.11n(HT20) (11.80 dBm)		
			Antenia	Wi-Fi 802.11n(HT40) (10.14 dBm)		
				Wi-Fi 802.11ac(HT80) (12.61 dBm)		
		5 150 MH-		Wi-Fi 802.11a (13.92 dBm)		
		5 150 MHz ~	Antenna 1	Wi-Fi 802.11n(HT20) (10.62 dBm)		
	WLAN 5 GHz Band	5 250 MHz Band	Antenna 1	Wi-Fi 802.11n(HT40) (10.54 dBm)		
MAX. RF OUTPUT				Wi-Fi 802.11ac(HT80) (12.66 dBm)		
POWER			Antenna 0 + Antenna 1	Wi-Fi 802.11n(HT20) (14.24 dBm)		
				Wi-Fi 802.11n(HT40) (13.29 dBm)		
				Wi-Fi 802.11ac(HT80) (12.96 dBm)		
			Antenna 0	Wi-Fi 802.11a (14.42 dBm)		
				Wi-Fi 802.11n(HT20) (14.61 dBm)		
				Wi-Fi 802.11n(HT40) (14.10 dBm)		
				Wi-Fi 802.11ac(HT80) (12.51 dBm)		
		5 250 MHz ~		Wi-Fi 802.11a (14.41 dBm)		
			Antenna 1	Wi-Fi 802.11n(HT20) (14.54 dBm)		
		5 350 MHz Band	7 tiliterina 1	Wi-Fi 802.11n(HT40) (13.56 dBm)		
				Wi-Fi 802.11ac(HT80) (13.21 dBm)		
			Antenna 0 + Antenna 1	Wi-Fi 802.11n(HT20) (17.59 dBm)		
				Wi-Fi 802.11n(HT40) (16.85 dBm)		
				Wi-Fi 802.11ac(HT80) (15.88 dBm)		



				Wi-Fi 802.11a (14.91 dBm)	
			Antenna 0	Wi-Fi 802.11n(HT20) (14.94 dBm)	
				Wi-Fi 802.11n(HT40) (14.81 dBm)	
				Wi-Fi 802.11ac(HT80) (12.99 dBm)	
		5.470.341		Wi-Fi 802.11a (14.62 dBm)	
		5 470 MHz ~	Antenna 1	Wi-Fi 802.11n(HT20) (14.97 dBm)	
		5 725 MHz Band	Antenna 1	Wi-Fi 802.11n(HT40) (14.32 dBm)	
				Wi-Fi 802.11ac(HT80) (13.44dBm)	
			Antenna 0	Wi-Fi 802.11n(HT20) (17.88 dBm)	
			+ Antenna 1	Wi-Fi 802.11n(HT40) (17.58 dBm)	
MAX. RF OUTPUT	WLAN			Wi-Fi 802.11ac(HT80) (16.23 dBm)	
POWER	5 GHz Band	5 725 MHz ~ 5 850 MHz Band		Wi-Fi 802.11a (14.58 dBm)	
			Antenna 0	Wi-Fi 802.11n(HT20) (14.27 dBm)	
				Wi-Fi 802.11n(HT40) (13.88 dBm)	
				Wi-Fi 802.11ac(HT80) (12.80 dBm)	
			Antenna 1	Wi-Fi 802.11a (14.74 dBm)	
				Wi-Fi 802.11n(HT20) (14.84 dBm)	
				Wi-Fi 802.11n(HT40) (14.69 dBm)	
				Wi-Fi 802.11ac(HT80) (13.88 dBm)	
			Antenna 0	Wi-Fi 802.11n(HT20) (17.57 dBm)	
			+ Antenna 1	Wi-Fi 802.11n(HT40) (17.31 dBm)	
			7 micina 1	Wi-Fi 802.11ac(HT80) (16.38 dBm)	
	Bluetooth	GFSK for 1 Mbps,	π/4-DQPSK	for 2 Mbps, 8-DPSK for 3 Mbps	
	WLAN	DSSS Modulation(I	COC M. 1 1 1/2 (DDDCW/DODCW/CCW)		
MODULATION TYPE	2.4 GHz Band	DSSS Modulation(DBPSK/DQPSK/CCK)			
	WLAN	OFDM Modulation(BPSK/QPSK/16QAM/64QAM)			
	5 GHz Band	OT DIVI MODULATION (DESK/QESK/10QAIM/04QAIM)			



	Bluetooth (BDR/EDR)	2.2 dBi				
	WLAN 2.4 GHz Band (802.11b/g/n(HT20))	4.8 dBi				
		Antenna 0	5.4 dBi			
	5 150 MHz ~ 5 250 MHz Band	Antenna 1	5.7 dBi			
	3 230 MHZ Ballu	Antenna 0 + Antenna 1	8.56 dBi			
ANTENNA TYPE		Antenna 0	5.6 dBi			
& GAIN	5 250 MHz ~ 5 350 MHz Band	Antenna 1	4.8 dBi			
		Antenna 0 + Antenna 1	8.23 dBi			
	5 470 MHz ~ 5 725 MHz Band	Antenna 0	5.7 dBi			
		Antenna 1	5.3 dBi			
		Antenna 0 + Antenna 1	8.51 dBi			
	5 725 MHz ~ 5 850 MHz Band	Antenna 0	5.2 dBi			
		Antenna 1	5.4 dBi			
		Antenna 0 + Antenna 1	8.31 dBi			
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	37.4 MHz					
DFS FUNCTION	Slave without radar detection					

2.2 Alternative type(s)/model(s); also covered by this test report.

-. None

3. EUT MODIFICATIONS

-. None

4. MAXIMUM PERMISSIBLE EXPOSURE

4.1 RF Exposure Calculation

According to the FCC rule 1.1310 table 1B, the limit for the maximum permissible RF exposure for an uncontrolled environment are f/1500 mW/cm² for the frequency range between 300 MHz and 1.00 mW/cm² for the frequency range between 1 500 MHz and 100 000 MHz.

The electric field generated for a 1 mW/cm² exposure is calculated as follows:

$$E = \sqrt{(30 * P * G)} / d$$
, and $S = E^2 / Z = E^2 / 377$, because 1 mW/cm² = 10 W/m²

Where

S = Power density in mW/cm², Z = Impedance of free space, 377 Ω

E = Electric filed strength in V/m, G = Numeric antenna gain, and d = distance in meter

Combing equations and rearranging the terms to express the distance as a function of the remaining variable

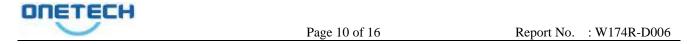
$$d = \sqrt{(30 * P * G) / (377 * 10 S)}$$

Changing to units of mW and cm, using P(mW) = P(W) / 1000, d(cm) = 0.01 * d(m)

$$d = 0.282 * \sqrt{(P * G) / S}$$

Where

d = distance in cm, P = Power in mW, G = Numeric antenna gain, and S = Power density in mW/cm²



4.2 EUT Description

4.2 EO1 Description	
Kind of EUT	BT(V4.2) + WLAN(802.11a/b/g/n/ac) 2x2 MIMO Module
	☐ Wireless Microphone: 494.000 MHz ~ 501.000 MHz
	and 498.200 MHz ~ 505.200 MHz
	■ Bluetooth: 2 402 MHz ~ 2 480 MHz
	■ WLAN: 2 412 MHz ~ 2 462 MHz
	■ WLAN: 5 180 MHz ~ 5 240 MHz
	■ WLAN: 5 190 MHz ~ 5 230 MHz
	■ WLAN: 5 210 MHz
	■ WLAN: 5 260 MHz ~ 5 320 MHz
Operating Frequency Band	■ WLAN: 5 270 MHz ~ 5 310 MHz
	■ WLAN: 5 290 MHz
	■ WLAN: 5 500 MHz ~ 5 720 MHz
	■ WLAN: 5 510 MHz ~ 5 710 MHz
	■ WLAN: 5 530 MHz
	■ WLAN: 5 745 MHz ~ 5 825 MHz
	■ WLAN: 5 755 MHz ~ 5 795 MHz
	■ WLAN: 5 775 MHz
	☐ Portable (< 20 cm separation)
Device Category	☐ Mobile (> 20 cm separation)
	■ Others
	■ MPE
Exposure	□ SAR
Evaluation Applied	□ N/A



		1 Mbps	0.97 dBm			
	Bluetooth	2 Mbps	-1.67 dBm			
		3 Mbps	-1.24 dBm			
	WLAN	Wi-Fi 802.11b (16.40 dBm)				
	2.4 GHz Band	Wi-Fi 802.11g (15.5	Wi-Fi 802.11g (15.84 dBm)			
	2.1 GIE Build	Wi-Fi 802.11n(HT20) (15.05 dBm)				
				Wi-Fi 802.11a (13.96 dBm)		
			Antenna 0	Wi-Fi 802.11n(HT20) (11.80 dBm)		
			Antenia	Wi-Fi 802.11n(HT40) (10.14 dBm)		
				Wi-Fi 802.11ac(HT80) (12.61 dBm)		
		5 150 MHz ~		Wi-Fi 802.11a (13.92 dBm)		
		5 250 MHz Band	Antenna 1	Wi-Fi 802.11n(HT20) (10.62 dBm)		
		3 230 MHZ Band		Wi-Fi 802.11n(HT40) (10.54 dBm)		
MAX. RF OUTPUT				Wi-Fi 802.11ac(HT80) (12.66 dBm)		
POWER			Antenna 0 + Antenna 1	Wi-Fi 802.11n(HT20) (14.24 dBm)		
				Wi-Fi 802.11n(HT40) (13.29 dBm)		
	WLAN			Wi-Fi 802.11ac(HT80) (12.96 dBm)		
	5 GHz Band		Antenna 0	Wi-Fi 802.11a (14.42 dBm)		
				Wi-Fi 802.11n(HT20) (14.61 dBm)		
				Wi-Fi 802.11n(HT40) (14.10 dBm)		
				Wi-Fi 802.11ac(HT80) (12.51 dBm)		
		5 250 MHz ~		Wi-Fi 802.11a (14.41 dBm)		
		5 350 MHz Band	Antenna 1	Wi-Fi 802.11n(HT20) (14.54 dBm)		
		3 330 MHZ Baild		Wi-Fi 802.11n(HT40) (13.56 dBm)		
				Wi-Fi 802.11ac(HT80) (13.21 dBm)		
			Antenna 0	Wi-Fi 802.11n(HT20) (17.59 dBm)		
			+ Antenna 1	Wi-Fi 802.11n(HT40) (16.85 dBm)		
				Wi-Fi 802.11ac(HT80) (15.88 dBm)		



				Wi-Fi 802.11a (14.91 dBm)
			Antenna 0	Wi-Fi 802.11n(HT20) (14.94 dBm)
				Wi-Fi 802.11n(HT40) (14.81 dBm)
				Wi-Fi 802.11ac(HT80) (12.99 dBm)
		5 470 MH		Wi-Fi 802.11a (14.62 dBm)
		5 470 MHz ~ 5 725 MHz Band	Antenna 1	Wi-Fi 802.11n(HT20) (14.97 dBm)
		3 723 MHZ Ballu	7 Intelline 1	Wi-Fi 802.11n(HT40) (14.32 dBm)
				Wi-Fi 802.11ac(HT80) (13.44dBm)
			Antenna 0	Wi-Fi 802.11n(HT20) (17.88 dBm)
			+ Antenna 1	Wi-Fi 802.11n(HT40) (17.58 dBm)
MAX. RF OUTPUT	WLAN			Wi-Fi 802.11ac(HT80) (16.23 dBm)
POWER	5 GHz Band		Antenna 0	Wi-Fi 802.11a (14.58 dBm)
				Wi-Fi 802.11n(HT20) (14.27 dBm)
				Wi-Fi 802.11n(HT40) (13.88 dBm)
				Wi-Fi 802.11ac(HT80) (12.80 dBm)
		5 725 MHz ~	Antenna 1	Wi-Fi 802.11a (14.74 dBm)
		5 850 MHz Band		Wi-Fi 802.11n(HT20) (14.84 dBm)
		5 850 MHZ Baild	7 micima 1	Wi-Fi 802.11n(HT40) (14.69 dBm)
				Wi-Fi 802.11ac(HT80) (13.88 dBm)
			Antenna 0	Wi-Fi 802.11n(HT20) (17.57 dBm)
			+ Antenna 1	Wi-Fi 802.11n(HT40) (17.31 dBm)
				Wi-Fi 802.11ac(HT80) (16.38 dBm)



	Bluetooth (BDR/EDR)	2.2 dBi		
	WLAN 2.4 GHz Band (802.11b/g/n(HT20))	4.8 dBi		
		Antenna 0	5.4 dBi	
	5 150 MHz ~ 5 250 MHz Band	Antenna 1	5.7 dBi	
	3 230 MHZ Balld	5 250 MHZ Band	Antenna 0 + Antenna 1	8.56 dBi
ANTENNA TYPE	5 250 MHz ~ 5 350 MHz Band	Antenna 0	5.6 dBi	
& GAIN		Antenna 1	4.8 dBi	
		Antenna 0 + Antenna 1	8.23 dBi	
	5 470 MHz ~ 5 725 MHz Band	Antenna 0	5.7 dBi	
		Antenna 1	5.3 dBi	
		Antenna 0 + Antenna 1	8.51 dBi	
	5 725 MHz ~ 5 850 MHz Band	Antenna 0	5.2 dBi	
		Antenna 1	5.4 dBi	
		Antenna 0 + Antenna 1	8.31 dBi	

Report No. : W174R-D006

4.3 Calculated MPE Safe Distance

4.3.1 Test data for Antenna 0

According to above equation, the following result was obtained.

Operating Freq. Band (MHz)	Operating Mode	Target Power W/tolerance	Max tune up power		Antenna Gain		Safe Distance	Power Density (mW/cm²)	Limit (mW/
		(dBm)	(dBm)	(mW)	Log	Linear	(cm)	@ 20 cm Separation	cm²)
5 150 ~ 5 250	802.11a	14.0 ± 0.5	14.5	28.18	5.70	3.72	2.89	0.020 8	1.00
	802.11n_ HT20	14.5 ± 0.5	15.0	31.62	8.56	7.18	4.25	0.045 2	1.00
	802.11n_HT40	13.5 ± 0.5	14.0	25.12			3.79	0.035 9	1.00
	802.11ac80	13.0 ± 0.5	13.5	22.39			3.57	0.032 0	1.00
	802.11a	14.5 ± 0.5	15.0	31.62	5.60	3.63	3.02	0.022 9	1.00
5 250	802.11n_ HT20	17.5 ± 0.5	18.0	63.10	8.23	6.65	5.78	0.083 6	1.00
~ 5 350	802.11n_HT40	17.0 ± 0.5	17.5	56.23			5.45	0.074 5	1.00
	802.11ac80	16.0 ± 0.5	16.5	44.67			4.86	0.059 1	1.00
	802.11a	15.0 ± 0.5	15.5	35.48	5.70	3.72	3.24	0.026 2	1.00
5 470	802.11n_ HT20	18.0 ± 0.5	18.5	70.79	8.51	7.10	6.32	0.100 0	1.00
~ 5 725	802.11n_HT40	17.5 ± 0.5	18.0	63.10			5.97	0.089 1	1.00
	802.11ac80	16.5 ± 0.5	17.0	50.12			5.32	0.070 8	1.00
5 725 ~ 5 850	802.11a	15.0 ± 0.5	15.5	35.48	5.40	3.47	3.13	0.024 5	1.00
	802.11n_ HT20	18.0 ± 0.5	18.5	70.79	8.31	6.78	6.18	0.095 5	1.00
	802.11n_HT40	17.5 ± 0.5	18.0	63.10			5.83	0.085 1	1.00
	802.11ac80	16.5 ± 0.5	17.0	50.12			5.20	0.067 6	1.00



4.3.2 Test data for Antenna 1

According to above equation, the following result was obtained.

Operating Freq. Band (MHz)	Operating Mode	Target Power W/tolerance	Max tune up power		Antenna Gain		Safe Distance	Power Density (mW/cm²)	Limit (mW/
		(dBm)	(dBm)	(mW)	Log	Linear	(cm)	@ 20 cm Separation	cm²)
5 150 ~ 5 250	802.11a	10.0 ± 0.5	10.5	11.22	1.71	1.48	1.15	0.0033	1.00
	802.11n_ HT20	9.5 ± 0.5	10.0	10.00			1.09	0.0029	1.00
	802.11n_HT40	8.0 ± 0.5	9.0	7.94			0.97	0.0023	1.00
	802.11ac80	8.0 ± 0.5	8.5	7.08			0.91	0.0021	1.00
	802.11a	10.0 ± 0.5	9.5	8.91	1.10	1.29	0.96	0.0023	1.00
5 250	802.11n_ HT20	8.5 ± 0.6	9.1	8.13			0.91	0.0021	1.00
~ 5 350	802.11n_HT40	7.0 ± 0.5	7.5	5.62			0.76	0.0014	1.00
	802.11ac80	7.0 ± 0.5	7.5	5.62			0.76	0.0014	1.00
	802.11a	10.0 ± 0.5	9.5	8.91	1.10	1.29	0.96	0.0023	1.00
5 470	802.11n_ HT20	8.5 ± 0.6	9.1	8.13			0.91	0.0021	1.00
~ 5 725	802.11n_HT40	7.0 ± 0.5	7.5	5.62			0.76	0.0014	1.00
	802.11ac80	7.0 ± 0.5	7.5	5.62			0.76	0.0014	1.00
5 725 ~ 5 850	802.11a	10.0 ± 0.5	9.5	8.91	1.10	1.29	0.96	0.0023	1.00
	802.11n_ HT20	8.5 ± 0.6	9.1	8.13			0.91	0.0021	1.00
	802.11n_HT40	7.0 ± 0.5	7.5	5.62			0.76	0.0014	1.00
	802.11ac80	7.0 ± 0.5	7.5	5.62			0.76	0.0014	1.00



4.3.3 Test data for Multiple transmit

According to above equation, the following result was obtained.

Operating Freq. Band (MHz)	Operating Mode	Target Power W/tolerance	Max tune up power		Antenna Gain		Safe Distance	Power Density (mW/cm²)	Limit (mW/
		(dBm)	(dBm)	(mW)	Log	Linear	(cm)	@ 20 cm Separation	cm²)
5 150 ~ 5 250	802.11a	10.0 ± 0.5	10.5	11.22	1.71	1.48	1.15	0.0033	1.00
	802.11n_ HT20	9.5 ± 0.5	10.0	10.00			1.09	0.0029	1.00
	802.11n_HT40	8.0 ± 0.5	9.0	7.94			0.97	0.0023	1.00
	802.11ac80	8.0 ± 0.5	8.5	7.08			0.91	0.0021	1.00
	802.11a	10.0 ± 0.5	9.5	8.91	1.10	1.29	0.96	0.0023	1.00
5 250	802.11n_ HT20	8.5 ± 0.6	9.1	8.13			0.91	0.0021	1.00
~ 5 350	802.11n_HT40	7.0 ± 0.5	7.5	5.62			0.76	0.0014	1.00
	802.11ac80	7.0 ± 0.5	7.5	5.62			0.76	0.0014	1.00
	802.11a	10.0 ± 0.5	9.5	8.91	1.10	1.29	0.96	0.0023	1.00
5 470	802.11n_ HT20	8.5 ± 0.6	9.1	8.13			0.91	0.0021	1.00
~ 5 725	802.11n_HT40	7.0 ± 0.5	7.5	5.62			0.76	0.0014	1.00
	802.11ac80	7.0 ± 0.5	7.5	5.62			0.76	0.0014	1.00
5 725 ~ 5 850	802.11a	10.0 ± 0.5	9.5	8.91	1.10	1.29	0.96	0.0023	1.00
	802.11n_ HT20	8.5 ± 0.6	9.1	8.13			0.91	0.0021	1.00
	802.11n_HT40	7.0 ± 0.5	7.5	5.62			0.76	0.0014	1.00
	802.11ac80	7.0 ± 0.5	7.5	5.62			0.76	0.0014	1.00