FCC Test Report

Product Name	:	Wireless-AC2400 Dual Band Gigabit Router
		Wireless-AC2600 Dual Band Gigabit Router
Trade Name	:	ASUS
Model No.	:	RT-AC85P, RT-AC2400, RT-AC2600, RT-ACRH26
FCC ID.	:	MSQ-RTACHV00

Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan

Date of Receipt	:	Aug. 10, 2018~ Aug. 31, 2018
Issued Date	:	Oct. 31, 2018
Report No.	:	1880404R-RFUSP27V00
Report Version	:	V1.0

Testing Laboratory
3024

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Test Report Certification

Issued Date : Oct. 31, 2018
Report No. : 1880404R-RFUSP27V00

Product Name	:	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	:	ASUSTeK COMPUTER INC.
Model No.	:	RT-AC85P, RT-AC2400, RT-AC2600, RT-ACRH26
FCC ID.	:	MSQ-RTACHV00
EUT Test Voltage	:	AC 100-240V, 50-60Hz
Testing Voltage	:	AC 120V/60Hz
Trade Name	:	ASUS
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2017 ANSI C63.10: 2013 KDB 558074 V05 / KDB 662911 D01 V02r01
Laboratory Name	:	Hsin Chu Laboratory
Address	:	No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C. TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result	:	Complied

Documented By : Lyla Yang

(Lyla Yang / Engineering Adm. Specialist)

Tested By : Mark Chang

(Mark Chang / Engineer)

Approved By : Roy Wang

(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
1880404R-RFUSP27V00	V1.0	Initial issue of report	Oct. 31, 2018

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1. General Information

1.1. EUT Description

Product Name	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router	
Trade Name	ASUS	
Model No.	RT-AC85P, RT-AC2400, RT-AC2600, RT-ACRH26	
Frequency Range/ Channel Number	IEEE 802.11b/g IEEE 802.11n (20MHz)	2412~2462MHz / 11 Channels
	IEEE 802.11n (40MHz)	2422~2452MHz / 7 Channels
Type of Modulation	IEEE 802.11b	Direct Sequence Spread Spectrum
	IEEE 802.11g/n	Orthogonal Frequency Division Multiplexing
Data Speed	IEEE 802.11b	1, 2, 5.5, 11Mbps
	IEEE 802.11g	6, 12, 18, 24, 36, 48, 54Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 31 and bandwidth defined in 802.11n

Antenna Information			
Manufacturer	Model No.	Antenna Type	Effective Gain Per Chain
Walsin	RFDPA141011IMLB301 (Black)	Dipole Antenna	2.4G: 2.47dBi (ANT0)
Walsin	RFDPA141006IMLB304 (White)	Dipole Antenna	2.4G: 2.45dBi (ANT1)
Walsin	RFDPA141012IMLB301 (Gray)	Dipole Antenna	2.4G: 2.42dBi (ANT3)
Walsin	RFDPA240513IMLB301 (Internal)	Dipole Antenna	2.4G: 2.36dBi (ANT2)

Accessories Information	
LAN Cable	Non-Shielded, 1.4m.
Power Adapter 1	Asian, WA-30P12FU I/P : 100-240V~50-60Hz 0.9A Max O/P : 12V⎓2.5A Cable Out: Non-Shielded, 1.4m
Power Adapter 2	Asian, WA-30P12R I/P : 100-240V~, 50-60Hz 0.9A Max O/P : 12V⎓2.5A Cable Out: Non-Shielded, 1.4m, one ferrite core bonded.

Note: Adapter 1 and adapter 2 have the same PCB layout, and adapter 1 has been tested and displayed in the report.

ANT-TX / RX & Bandwidth

ANT-TX / RX	TX		RX	
Mode/ Channel Bandwidth	20MHz	40MHz	20MHz	40MHz
IEEE802.11b	✓		✓	
IEEE802.11g	✓		✓	
IEEE802.11n	✓	✓	✓	✓

IEEE 802.11n

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
0	BPSK	1/2	1	52	108	26	54	6.5	13.5	7.2	15.0
1	QPSK	1/2	2	104	216	52	108	13.0	27.0	14.4	30.0
2	QPSK	3/4	2	104	216	78	162	19.5	40.5	21.7	45.0
3	16-QAM	1/2	4	208	432	104	216	26.0	54.0	28.9	60.0
4	16-QAM	3/4	4	208	432	156	324	39.0	81.0	43.3	90.0
5	64-QAM	2/3	6	312	648	208	432	52.0	108.0	57.8	120.0
6	64-QAM	3/4	6	312	648	234	486	58.5	121.5	65.0	135.0
7	64-QAM	5/6	6	312	648	260	540	65.0	135.0	72.2	150.0
Note 1: Support of 400ns GI is optional on transmit and receive.											

Table 1 – MCS parameters for TX Antenna number = 1

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
8	BPSK	1/2	1	104	216	52	108	13.0	27.0	14.4	30.0
9	QPSK	1/2	2	208	432	104	216	26.0	54.0	28.9	60.0
10	QPSK	3/4	2	208	432	156	324	39.0	81.0	43.3	90.0
11	16-QAM	1/2	4	416	864	208	432	52.0	108.0	57.8	120.0
12	16-QAM	3/4	4	416	864	312	648	78.0	162.0	86.7	180.0
13	64-QAM	2/3	6	624	1296	416	864	104.0	216.0	115.6	240.0
14	64-QAM	3/4	6	624	1296	468	972	117.0	243.0	130.0	270.0
15	64-QAM	5/6	6	624	1296	520	1080	130.0	270.0	144.4	300.0
Note 1: Support of 400ns GI is optional on transmit and receive.											

Table 2 – MCS parameters for TX Antenna number = 2

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
								800ns GI		400ns GI	
				20MHz	40MHz	20MHz	40MHz	20MHz	40MHz	20MHz	40MHz
16	BPSK	1/2	1	156	324	78	162	19.5	40.5	21.7	45.0
17	QPSK	1/2	2	312	648	156	324	39.0	81.0	43.3	90.0
18	QPSK	3/4	2	312	648	234	486	58.5	121.5	65.0	135.0
19	16-QAM	1/2	4	624	1296	312	648	78.0	162.0	86.7	180.0
20	16-QAM	3/4	4	624	1296	468	972	117.0	243.0	130.0	270.0
21	64-QAM	2/3	6	936	1944	624	1296	156.0	324.0	173.3	360.0
22	64-QAM	3/4	6	936	1944	702	1458	175.5	364.5	195.0	405.0
23	64-QAM	5/6	6	936	1944	780	1620	195.0	405.0	216.7	450.0
Note 1: Support of 400ns GI is optional on transmit and receive.											

Table 3 – MCS parameters for TX Antenna number = 3

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
								800ns GI		400ns GI	
				20MHz	40MHz	20MHz	40MHz	20MHz	40MHz	20MHz	40MHz
24	BPSK	1/2	1	208	432	104	216	26.00	54.00	28.80	60.00
25	QPSK	1/2	2	416	864	208	432	52.00	108.00	57.60	120.00
26	QPSK	3/4	2	416	864	312	648	78.00	162.00	86.80	180.00
27	16-QAM	1/2	4	832	1728	416	864	104.00	216.00	115.60	240.00
28	16-QAM	3/4	4	832	1728	624	1296	156.00	324.00	172.20	360.00
29	64-QAM	2/3	6	1248	2592	832	1728	208.00	432.00	231.20	480.00
30	64-QAM	3/4	6	1248	2592	936	1944	234.00	486.00	260.00	540.00
31	64-QAM	5/6	6	1248	2592	1040	2040	260.00	540.00	288.80	600.00
Note 1: Support of 400ns GI is optional on transmit and receive.											

Table 4 – MCS parameters for TX Antenna number = 4

Symbol	Explanation
R	Code rate
N_{BPSC}	Number of coded bits per single carrier
N_{CBPS}	Number of coded bits per symbol
N_{DBPS}	Number of data bits per symbol
GI	guard interval

IEEE 802.11b/g, IEEE 802.11n (20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
001	2412 MHz	002	2417 MHz	003	2422 MHz	004	2427 MHz
005	2432 MHz	006	2437 MHz	007	2442 MHz	008	2447 MHz
009	2452 MHz	010	2457 MHz	011	2462 MHz	-	-

IEEE 802.11n (40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
003	2422 MHz	004	2427 MHz	005	2432 MHz	006	2437 MHz
007	2442 MHz	008	2447 MHz	009	2452 MHz	-	-

Note:

1. This device is a Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router including 2.4GHz b/g/n and 5GHz a/n/ac transmitting and receiving functions.
2. The different of the each model is shown as below:

Equipment Name	Wireless-AC2400 Dual Band Gigabit Router		Wireless-AC2600 Dual Band Gigabit Router	
Model Name	RT-AC85P	RT-AC2400	RT-AC2600	RT-ACRH26
Difference	802.11n up to 600Mbps.		802.11n up to 800Mbps.	

3. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.

1.2. Test Mode

DEKRA has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU

Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1+2+3	Complies
Maximum peak conducted output power	11b/g	1/6/11	0+1+2+3	Complies
	11n(20MHz)	1/6/11	0+1+2+3	Complies
	11n(40MHz)	3/6/9	0+1+2+3	Complies
Radiated Emission	11b/g	1/6/11	0+1+2+3	Complies
	11n(20MHz)	1/6/11	0+1+2+3	Complies
	11n(40MHz)	3/6/9	0+1+2+3	Complies
RF antenna conducted test	11b/g	1/6/11	0/1/2/3	Complies
	11n(20MHz)	1/6/11	0/1/2/3	Complies
	11n(40MHz)	3/6/9	0/1/2/3	Complies
Radiated Emission Band Edge	11b/g	1/6/11	0+1+2+3	Complies
	11n(20MHz)	1/6/11	0+1+2+3	Complies
	11n(40MHz)	3/6/9	0+1+2+3	Complies
DTS Bandwidth	11b/g	1/6/11	0/1/2/3	Complies
	11n(20MHz)	1/6/11	0/1/2/3	Complies
	11n(40MHz)	3/6/9	0/1/2/3	Complies
Occupied Bandwidth	11b/g	1/6/11	0/1/2/3	Complies
	11n(20MHz)	1/6/11	0/1/2/3	Complies
	11n(40MHz)	3/6/9	0/1/2/3	Complies
Power Density	11b/g	1/6/11	0+1+2+3	Complies
	11n(20MHz)	1/6/11	0+1+2+3	Complies
	11n(40MHz)	3/6/9	0+1+2+3	Complies

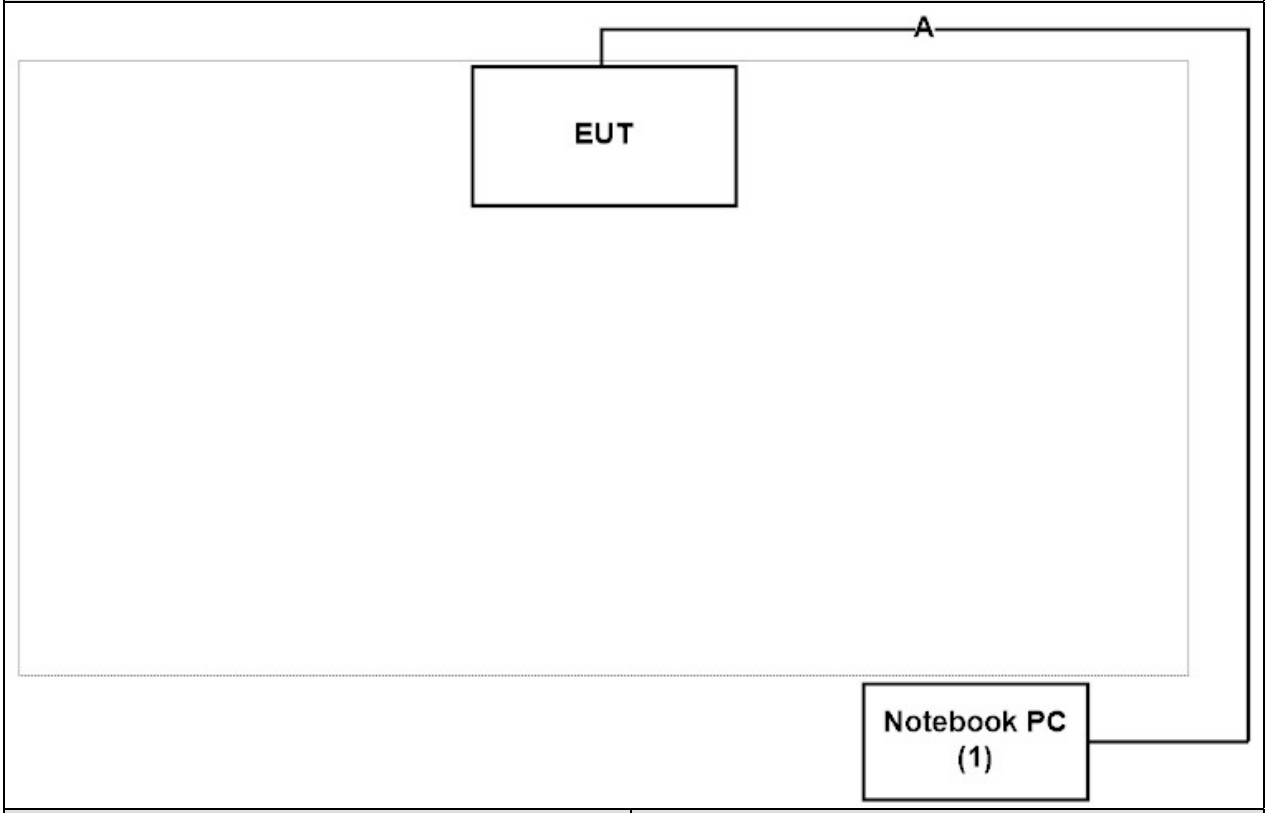
1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	Lenovo	B590	WB15330077	DoC	Non-Shielded, 1.8m, one ferrite core bonded

1.4. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 2.5m

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the Control program “QA Tool” on the laptop.
3	Configure the test mode, the test channel, and the data rate.
4	Make the EUT to start the continuous transmitting.
5	Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual	Test Site
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20	3
Humidity (%RH)		25 - 75	50	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Maximum peak conducted output power	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	25	2
Humidity (%RH)		25 - 75	65	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission Band Edge	15 - 35	25	2
Humidity (%RH)		25 - 75	48	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth & DTS Bandwidth	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	

Note: Test Site information refers to Laboratory Information.

Laboratory Information

USA	**:**	**FCC Registration Number: TW3024**
Canada		**IC Registration Number: 22397-1 / 22397-2 / 22397-3**

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site:
http://www.dekra.com.tw/english/about/certificates.aspx?bval=5
The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: http://www.dekra.com.tw/index_en.aspx

If you have any comments, Please don't hesitate to contact us. Our test sites as below:

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1.7. Duty Cycle

Mode	On Time (ms)	On+Off Time (ms)	Duty Cycle (%)	Duty Factor(dB) linear voltage	1/T Minimum VBW (kHz)
b	8.418	8.466	99.43%	0.049	0.01
g	1.398	1.446	96.68%	0.293	0.72
HT20	1.298	1.348	96.29%	0.328	0.77
HT40	0.638	0.687	92.87%	0.643	1.57

Note:

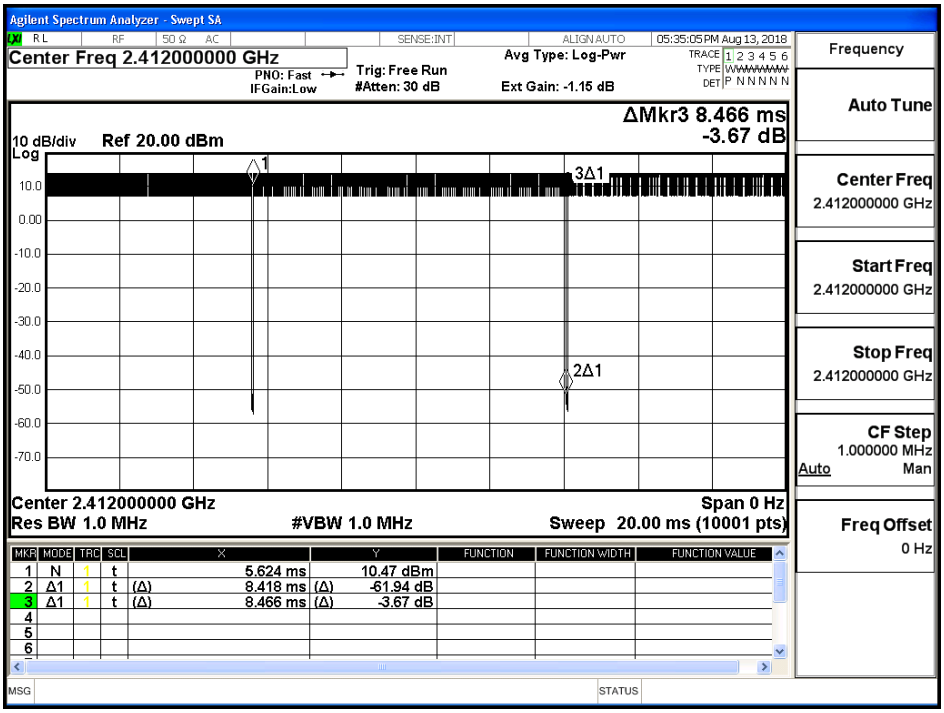
Offset = 20 log(1/duty cycle)

Accotding to KDB 789033

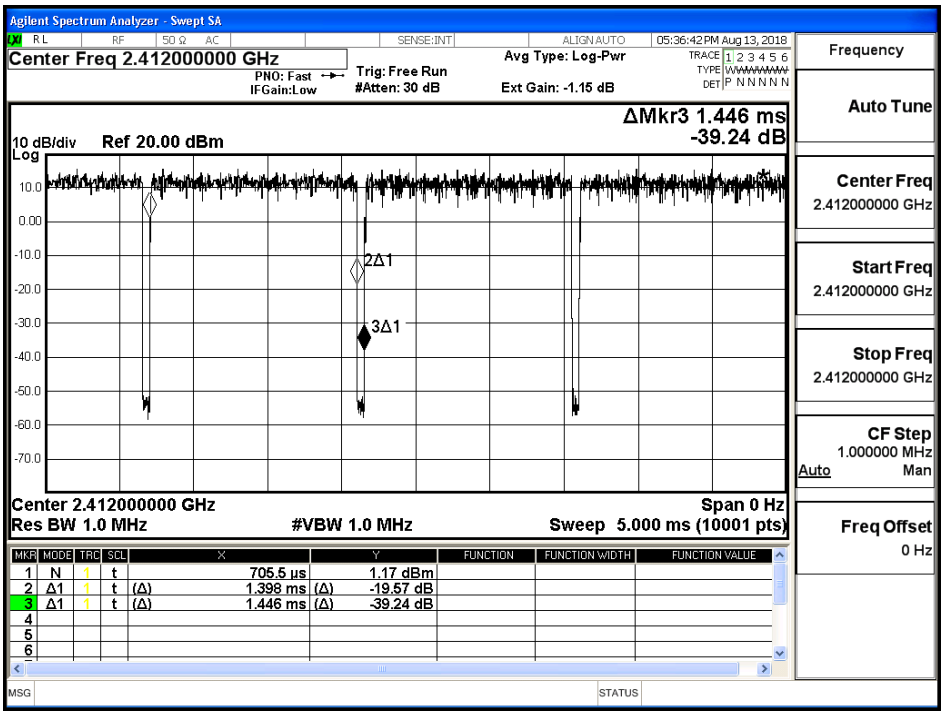
If power averaging (rms) mode was used in step (iv) above, the correction factor is 10 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.

If linear voltage averaging mode was used in step (iv) above, the correction factor is 20 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB must be added to the measured emission levels.

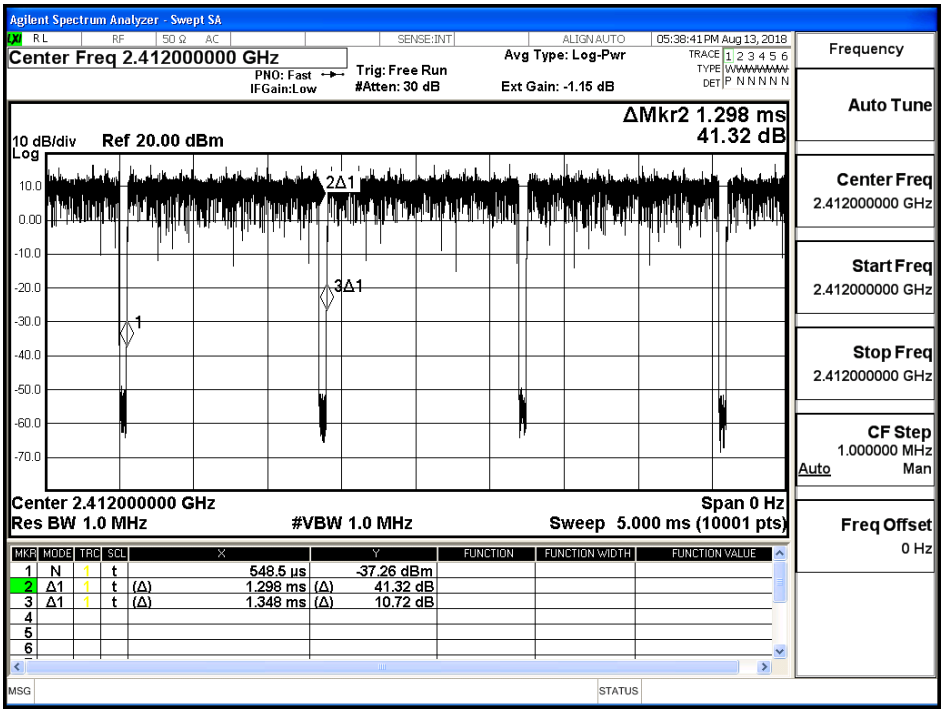
802.11b



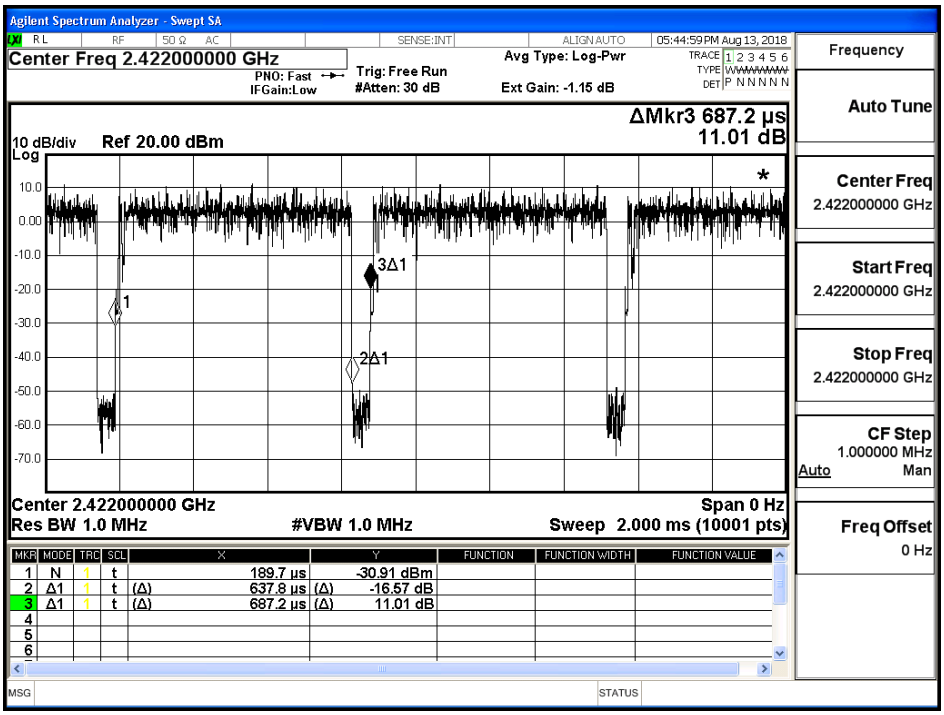
802.11g



802.11n (20M)



802.11n (40M)



1.8. List of Test Equipment

Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2018/01/22	2019/01/21
Test Receiver	R&S	ESCS 30	836858/022	2018/03/30	2019/03/29
LISN	R&S	ENV216	100092	2018/07/23	2019/07/22

Maximum peak conducted output power / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2018/06/26	2019/06/25
Spectrum Analyzer	Keysight	N9010B	MY57110159	2018/05/25	2019/05/24
Spectrum Analyzer	Agilent	N9010A	US47140172	2018/07/18	2019/07/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09

Radiated Emission / CB2-H, CB4-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2017/11/21	2018/11/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/05	2019/03/04
Bilog Antenna	Teseq	CBL6112D	23191	2018/06/26	2019/06/25
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2018/06/01	2019/05/31
Horn Antenna	Schwarzbeck	BBHA 9170	202	2018/01/31	2019/01/30
Pre-Amplifier	Dekra	AP-025C	201801236	2018/02/26	2019/02/25
Pre-Amplifier	EMCI	EMC11830I	980366	2018/01/08	2019/01/07
Pre-Amplifier	Dekra	AP-400C	201801231	2017/12/13	2018/12/12
Band Reject Filter	Micro-Tronics	BRM50702	G192	2018/04/11	2019/04/10
Band Reject Filter	Micro-Tronics	BRM50716	G089	2018/04/11	2019/04/10
Cable	Suhner	SF104_SF104_ SF104_SF104	A211	2017/08/29 2018/08/28	2018/08/28 2019/08/27
Cable	Suhner	SF104_SF104_ SF104_SF102	A219	2017/08/16 2018/08/15	2018/08/15 2019/08/14
Mangnetic Loop Antenna	Teseq	HLA6121	44287	2017/10/13 2018/09/28	2018/10/12 2019/09/27

RF antenna conducted test / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2018/06/26	2019/06/25
Spectrum Analyzer	Keysight	N9010B	MY57110159	2018/05/25	2019/05/24
Spectrum Analyzer	Agilent	N9010A	US47140172	2018/07/18	2019/07/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09

Radiated Emission Band Edge / CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2017/11/21	2018/11/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/05	2019/03/04
Bilog Antenna	Teseq	CBL6112D	23191	2018/06/26	2019/06/25
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2018/06/01	2019/05/31
Horn Antenna	Schwarzbeck	BBHA 9170	202	2018/01/31	2019/01/30
Pre-Amplifier	Dekra	AP-025C	201801236	2018/02/26	2019/02/25
Pre-Amplifier	EMCI	EMC11830I	980366	2018/01/08	2019/01/07
Pre-Amplifier	Dekra	AP-400C	201801231	2017/12/13	2018/12/12
Cable	Suhner	SF104_SF104_SF104_SF104	A211	2017/08/29	2018/08/28
Cable	Suhner	SF104_SF104_SF104_SF102	A219	2017/08/16	2018/08/15

Occupied Bandwidth / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2018/06/26	2019/06/25
Spectrum Analyzer	Keysight	N9010B	MY57110159	2018/05/25	2019/05/24
Spectrum Analyzer	Agilent	N9010A	US47140172	2018/07/18	2019/07/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09

DTS Bandwidth / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2018/06/26	2019/06/25
Spectrum Analyzer	Keysight	N9010B	MY57110159	2018/05/25	2019/05/24
Spectrum Analyzer	Agilent	N9010A	US47140172	2018/07/18	2019/07/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09

Power Density / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2018/06/26	2019/06/25
Spectrum Analyzer	Keysight	N9010B	MY57110159	2018/05/25	2019/05/24
Spectrum Analyzer	Agilent	N9010A	US47140172	2018/07/18	2019/07/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09

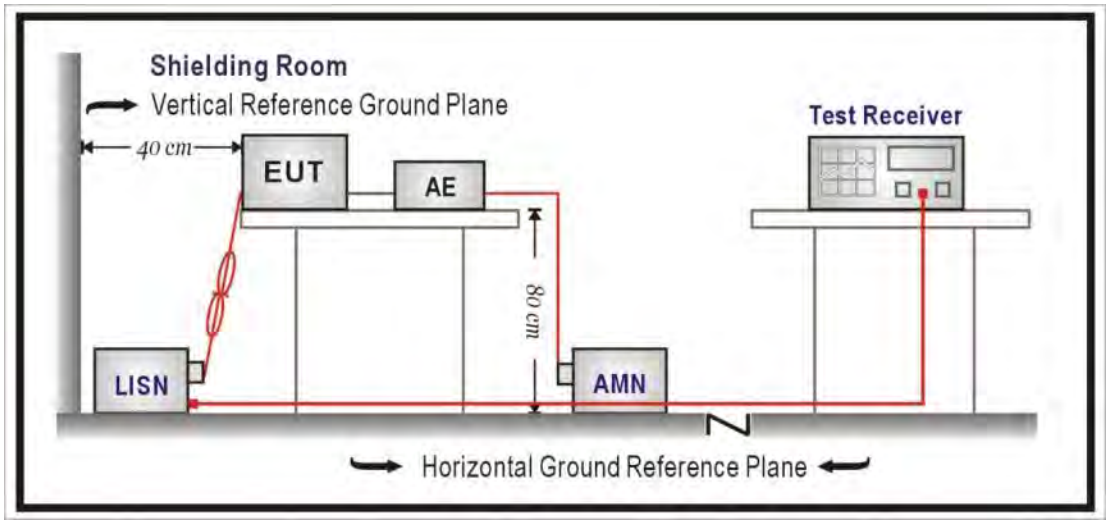
Note: All equipment upon which need to calibrated are with calibration period of 1 year.

1.9. Uncertainty

Test item	Uncertainty
Conducted Emission	± 2.26 dB.
Maximum peak conducted output power	± 1.27 dB.
Radiated Emission	30MHz～1GHz as ±3.43dB 1GHz～26.5Ghz as ±3.65dB
RF antenna conducted test	± 1.27dB
Radiated Emission Band Edge	± 3.9 dB
DTS Bandwidth	±50Hz
Occupied Bandwidth	±50Hz
Power Density	±1.27dB

2. Conducted Emission

2.1. Test Setup



2.2. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency MHz	QP	AV
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

2.3. Test Procedure

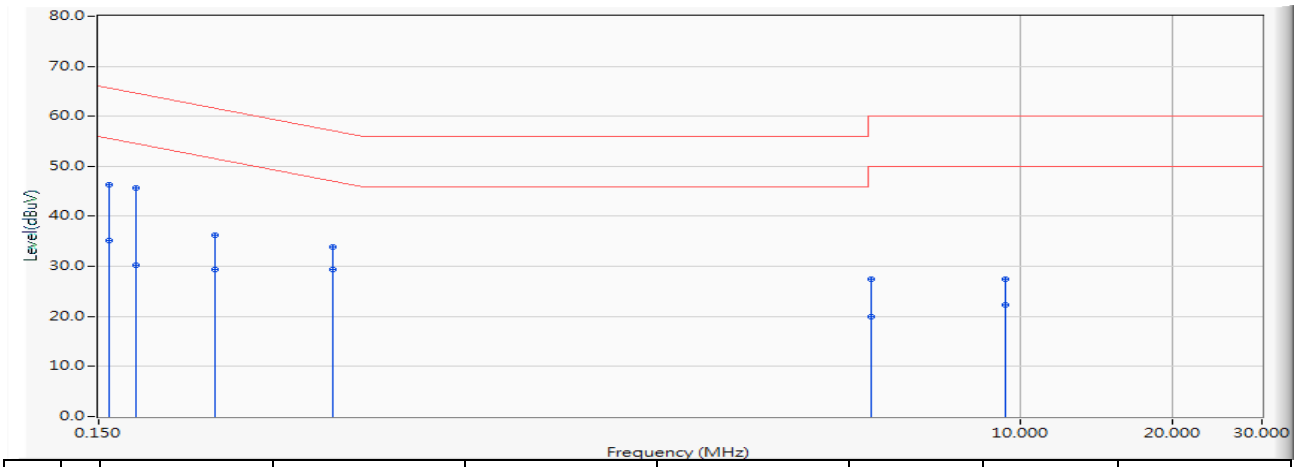
The EUT was setup according to ANSI C63.4: 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2017

2.5. Test Result

Site : DEKRA Taiwan SR2-H	Time : 2018/08/31
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2-H_LISN(16A)-6_0823 - Line1	Power : AC 120V/60Hz
EUT : Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router	Note : Mode 1: Transmit Mode_CDD_WA-30P12FU 802.11n(40M)_2437MHz

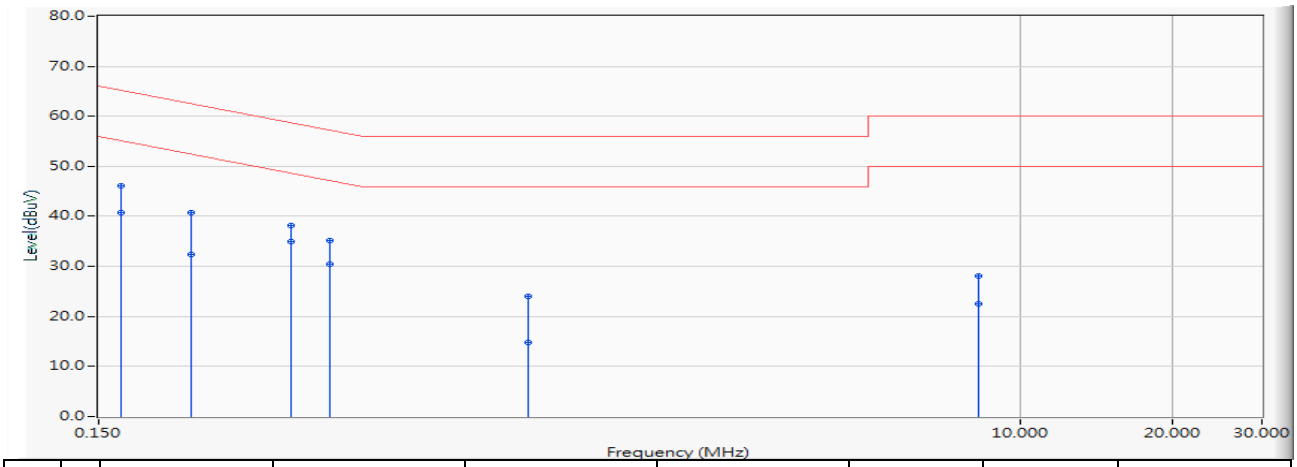


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.777	36.550	46.327	-19.251	65.578	QUASIPEAK
2		0.158	9.777	25.310	35.087	-20.491	55.578	AVERAGE
3		0.177	9.768	35.890	45.658	-18.951	64.609	QUASIPEAK
4		0.177	9.768	20.370	30.138	-24.471	54.609	AVERAGE
5		0.255	9.750	26.390	36.140	-25.437	61.577	QUASIPEAK
6		0.255	9.750	19.600	29.350	-22.227	51.577	AVERAGE
7		0.435	9.730	24.260	33.990	-23.164	57.154	QUASIPEAK
8	*	0.435	9.730	19.750	29.480	-17.674	47.154	AVERAGE
9		5.072	9.953	17.450	27.403	-32.597	60.000	QUASIPEAK
10		5.072	9.953	9.960	19.913	-30.087	50.000	AVERAGE
11		9.338	10.183	17.330	27.513	-32.487	60.000	QUASIPEAK
12		9.338	10.183	12.160	22.343	-27.657	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : DEKRA Taiwan SR2-H	Time : 2018/08/31
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2-H_LISN(16A)-6_0823 - Line2	Power : AC 120V/60Hz
EUT : Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router	Note : Mode 1: Transmit Mode_CDD_WA-30P12FU 802.11n(40M)_2437MHz



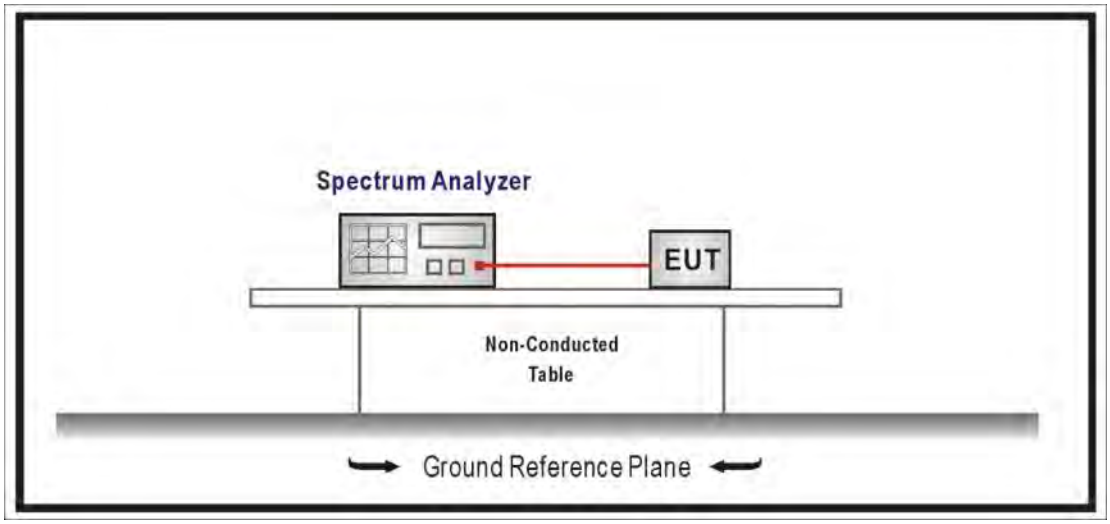
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	9.777	36.320	46.097	-19.080	65.177	QUASIPEAK
2		0.166	9.777	30.910	40.687	-14.490	55.177	AVERAGE
3		0.228	9.810	30.940	40.750	-21.768	62.518	QUASIPEAK
4		0.228	9.810	22.650	32.460	-20.058	52.518	AVERAGE
5		0.361	9.793	28.370	38.163	-20.544	58.707	QUASIPEAK
6	*	0.361	9.793	25.240	35.033	-13.674	48.707	AVERAGE
7		0.431	9.790	25.380	35.170	-22.059	57.229	QUASIPEAK
8		0.431	9.790	20.700	30.490	-16.739	47.229	AVERAGE
9		1.064	9.880	14.240	24.120	-31.880	56.000	QUASIPEAK
10		1.064	9.880	4.930	14.810	-31.190	46.000	AVERAGE
11		8.236	10.089	18.060	28.149	-31.851	60.000	QUASIPEAK
12		8.236	10.089	12.500	22.589	-27.411	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

3. Maximum peak conducted output power

3.1. Test Setup



3.2. Test procedures

The EUT was tested according to DTS test procedure section 9.1.2 of KDB558074 V05, Measurement to FCC 47CFR 15.247 requirements.

3.3. Limits

The maximum peak power shall be less 1 Watt.

3.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2017

3.5. Test Result

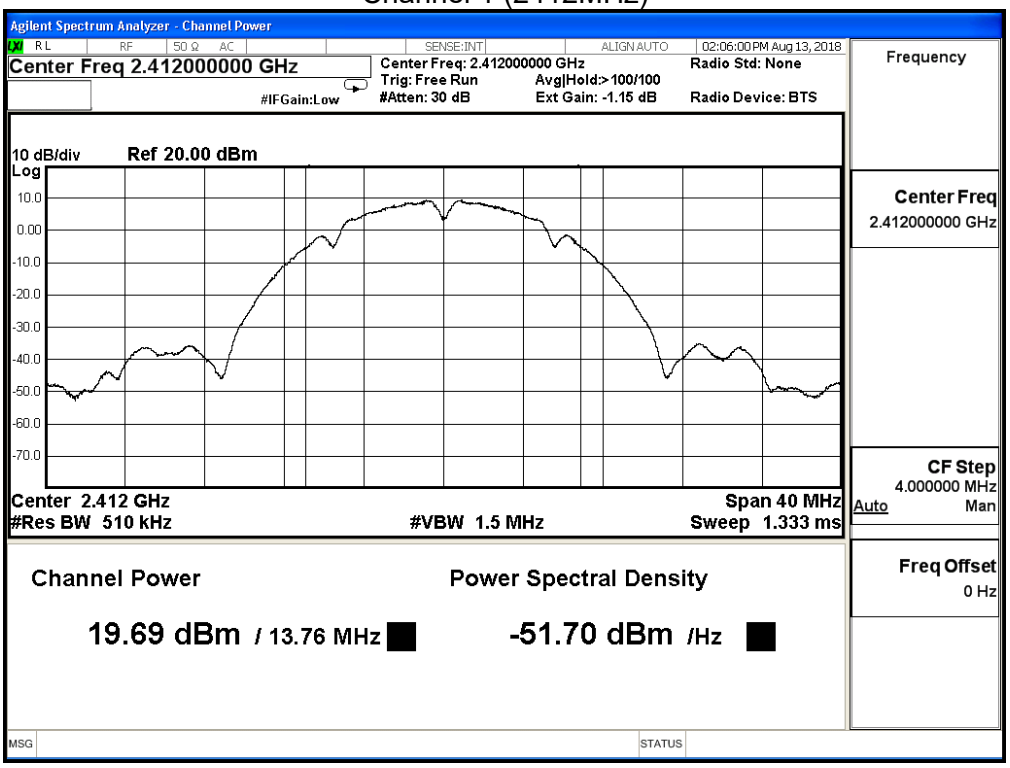
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	19.690	≦30
6	2437	21.840	≦30
11	2462	18.590	≦30

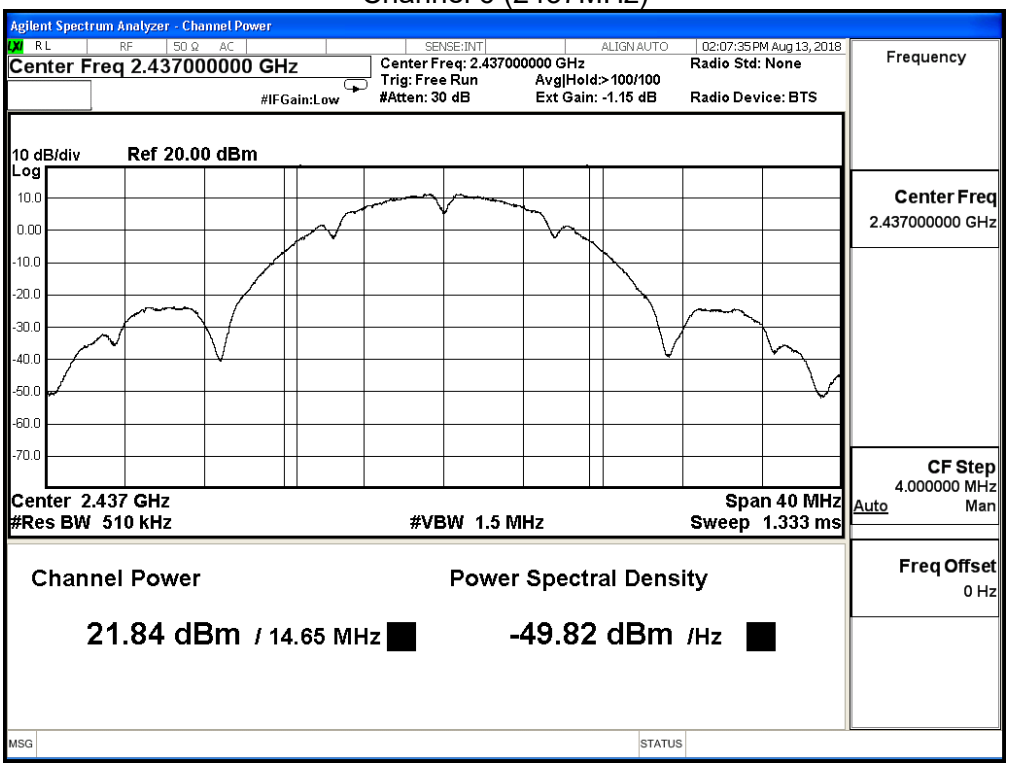
The worst emission of data rate is 1 Mbps

Maximum peak conducted output power (dBm)						
Channel No.	Frequency(MHz)	Data Rate (Mbps)				Required Limit (dBm)
		1	2	5.5	11	
1	2412	19.690	--	--	--	≦30
6	2437	21.840	21.700	21.550	21.410	≦30
11	2462	18.590	--	--	--	≦30

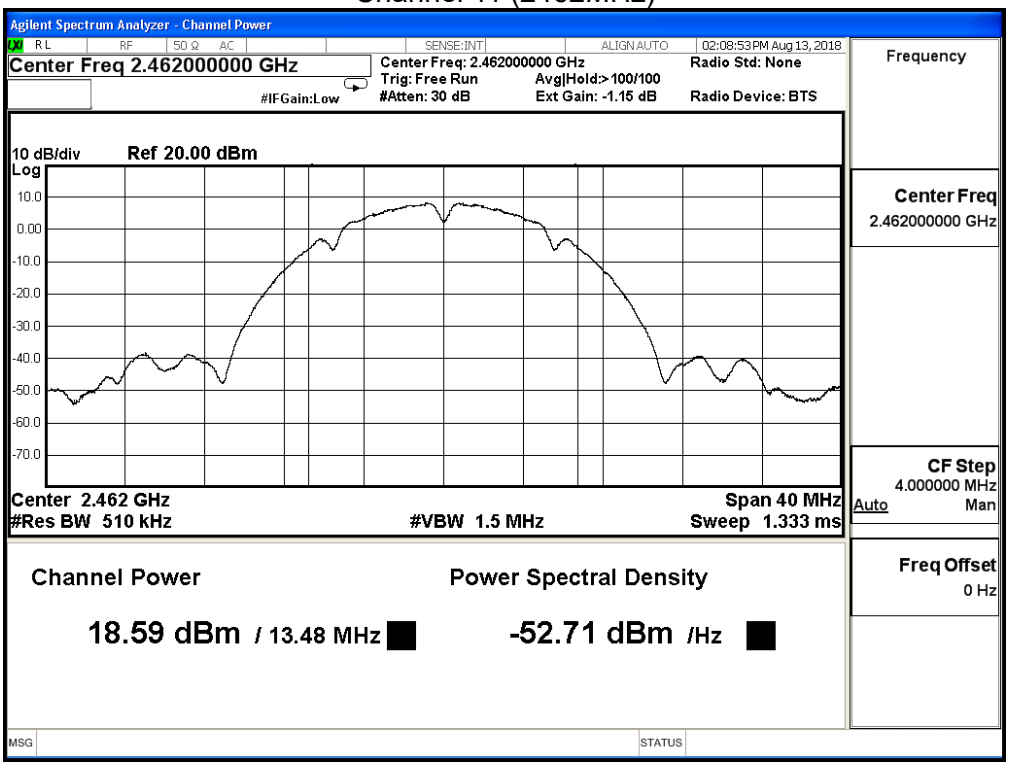
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



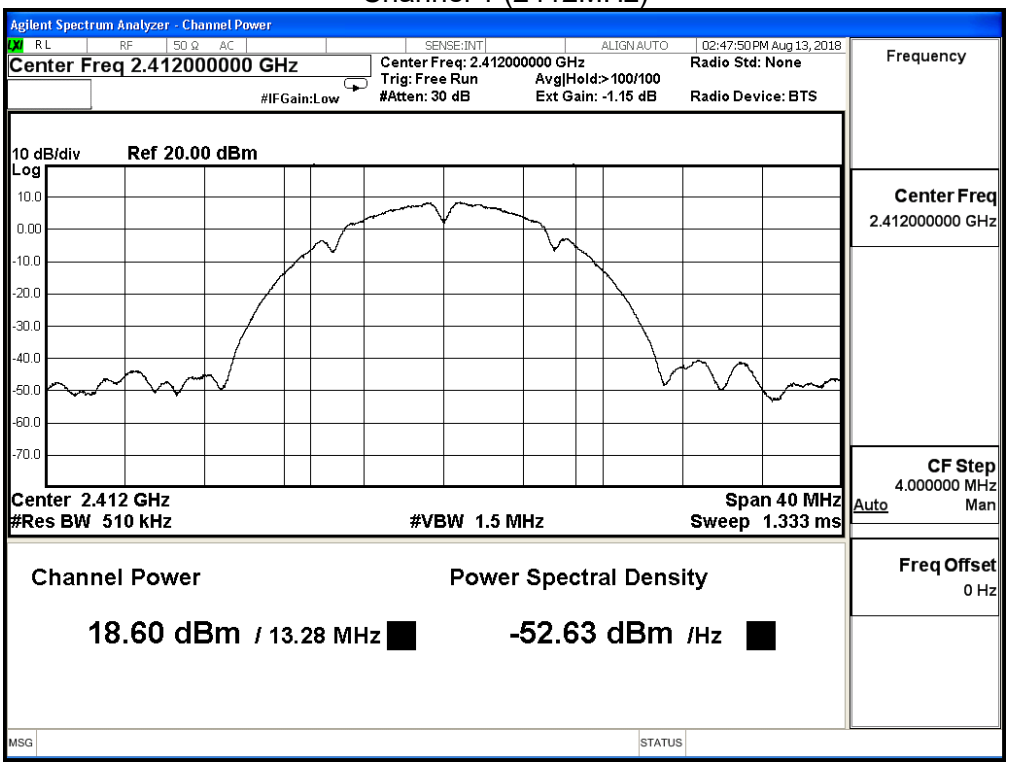
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11b (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	18.600	≦30
6	2437	20.650	≦30
11	2462	17.680	≦30

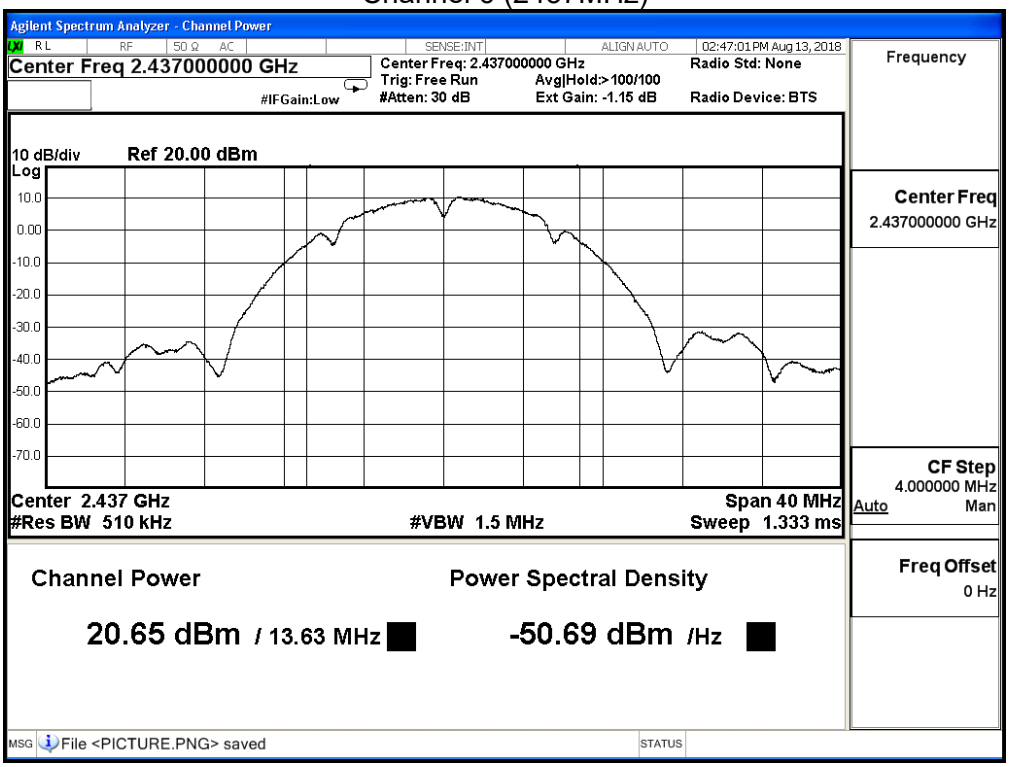
The worst emission of data rate is 1 Mbps

Maximum peak conducted output power (dBm)						
Channel No.	Frequency (MHz)	Data Rate (Mbps)				Required Limit (dBm)
		1	2	5.5	11	
1	2412	18.600	--	--	--	≦30
6	2437	20.650	20.500	20.370	20.240	≦30
11	2462	17.680	--	--	--	≦30

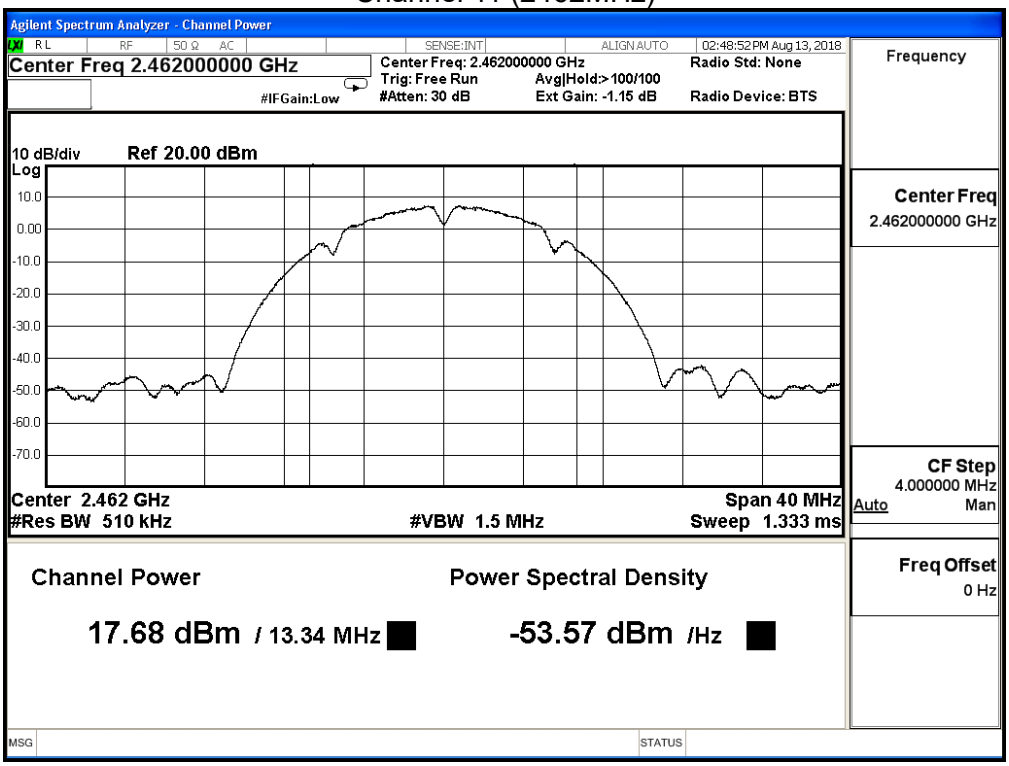
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



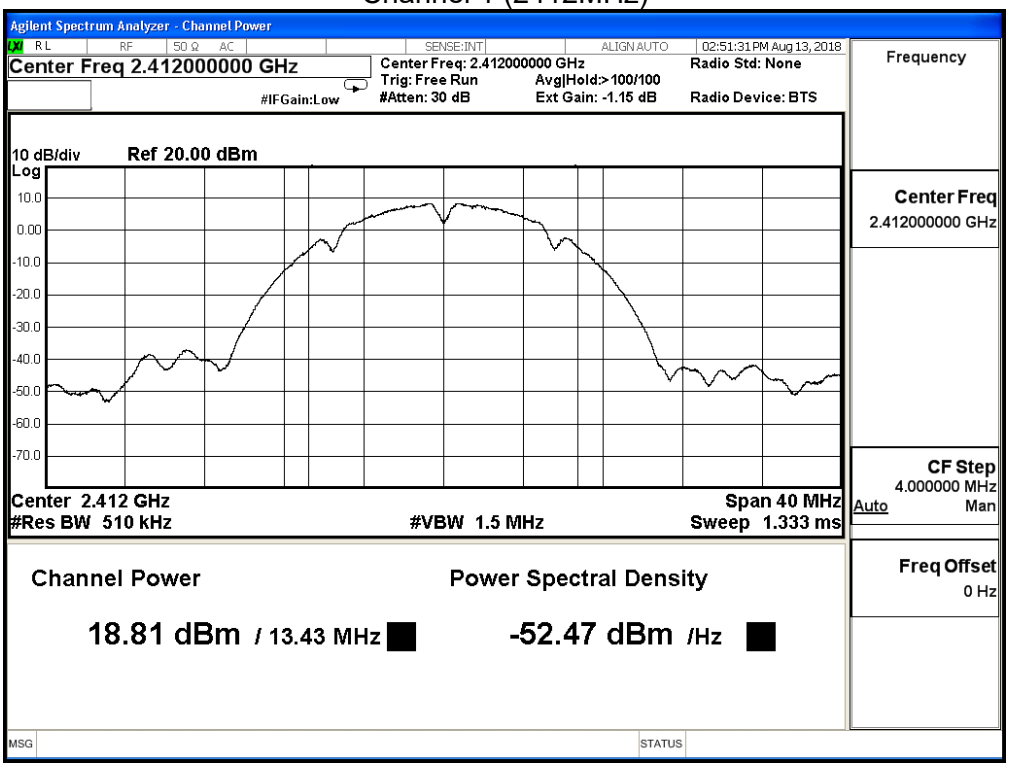
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11b (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	18.810	≦30
6	2437	20.910	≦30
11	2462	17.700	≦30

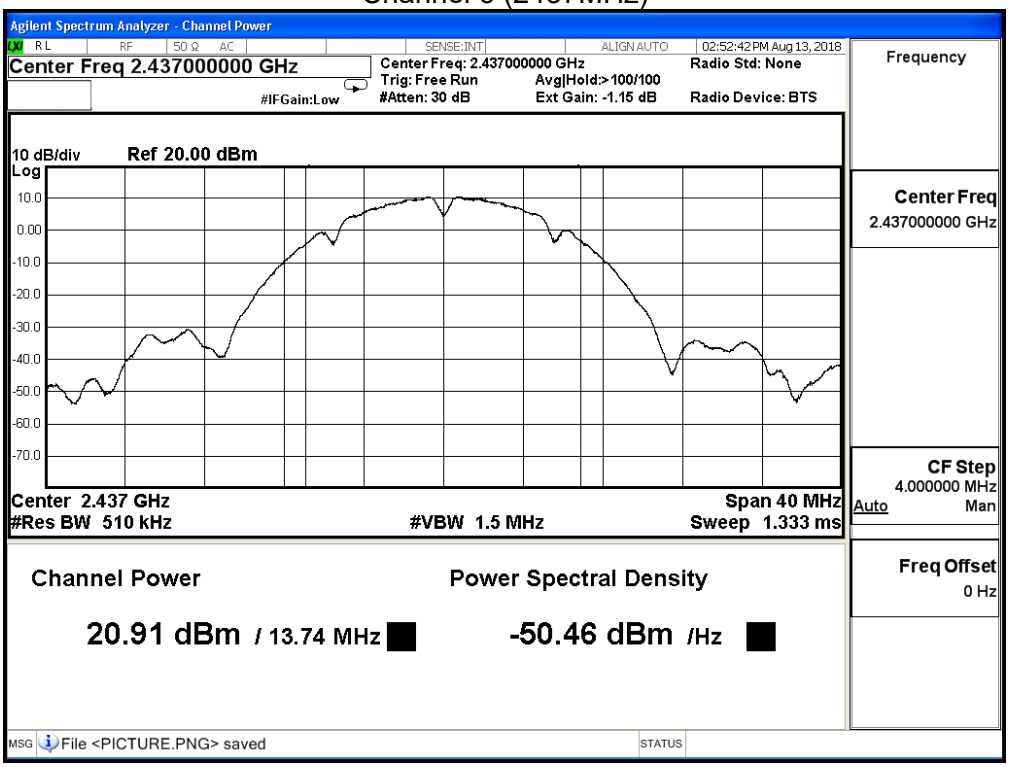
The worst emission of data rate is 1 Mbps

Maximum peak conducted output power (dBm)						
Channel No.	Frequency(MHz)	Data Rate (Mbps)				Required Limit (dBm)
		1	2	5.5	11	
1	2412	18.810	--	--	--	≦30
6	2437	20.910	20.770	20.640	20.510	≦30
11	2462	17.700	--	--	--	≦30

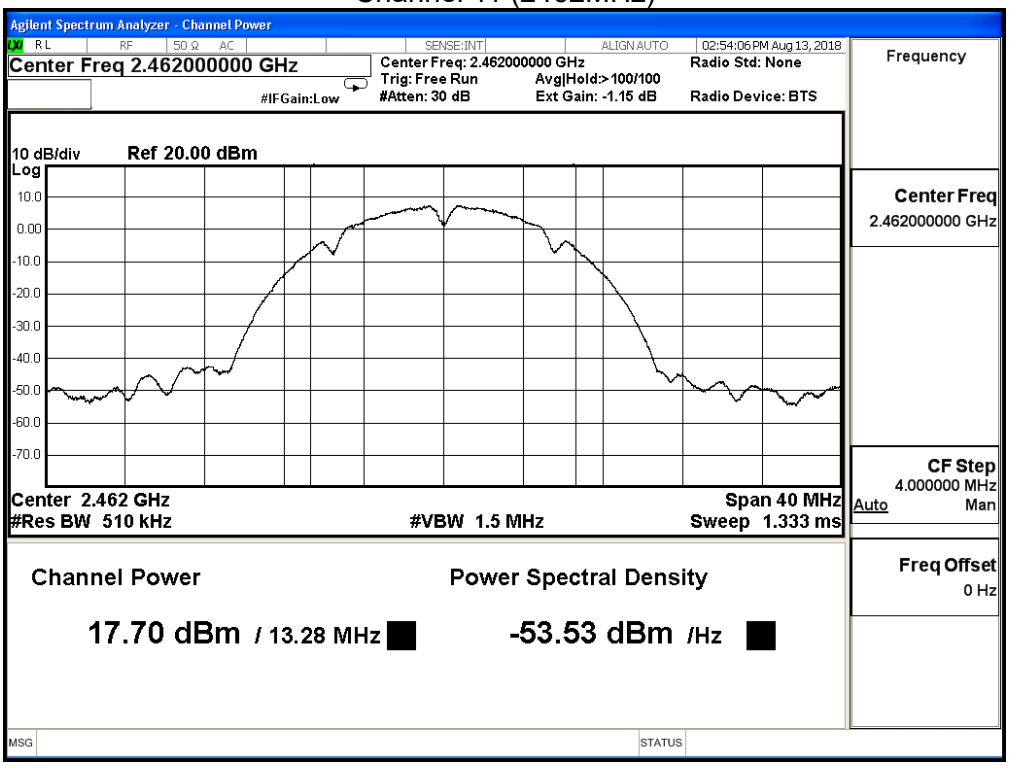
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



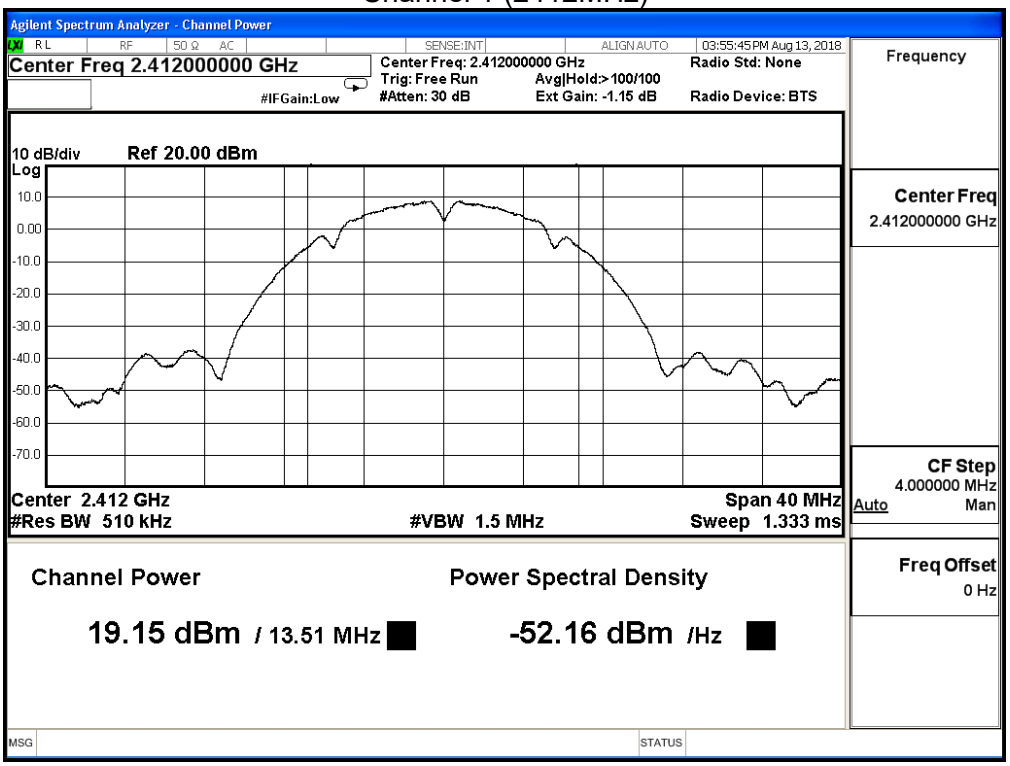
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11b (ANT 3)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	19.150	≦30
6	2437	21.110	≦30
11	2462	17.680	≦30

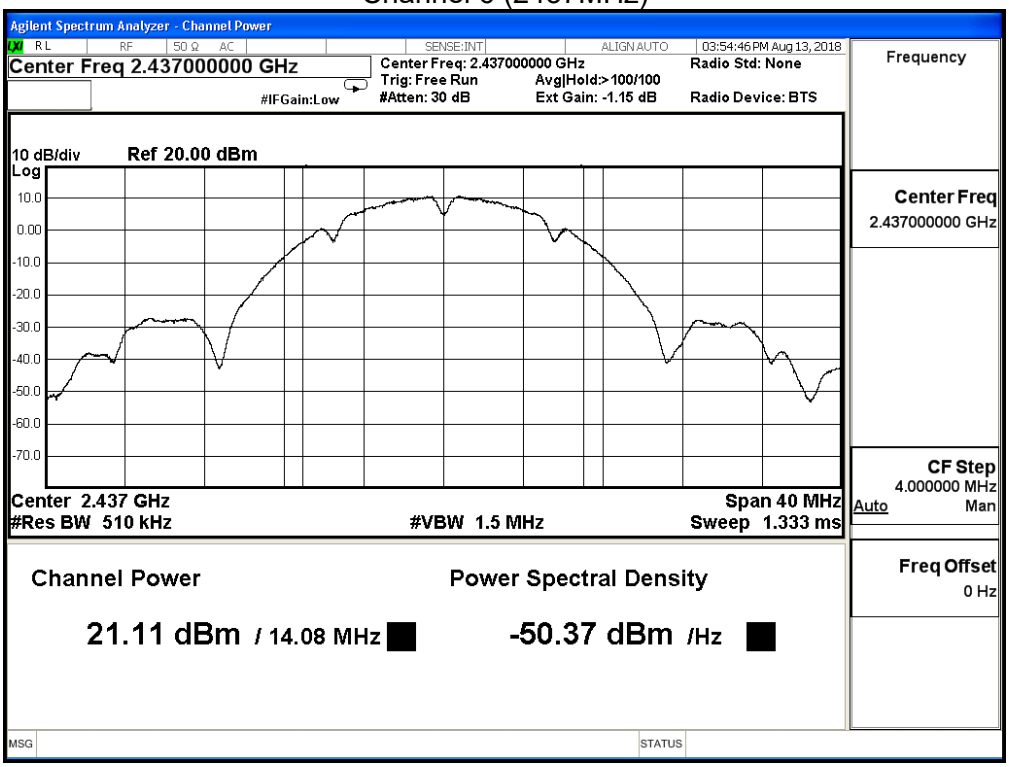
The worst emission of data rate is 1 Mbps

Maximum peak conducted output power (dBm)						
Channel No.	Frequency (MHz)	Data Rate (Mbps)				Required Limit (dBm)
		1	2	5.5	11	
1	2412	19.150	--	--	--	≦30
6	2437	21.110	20.960	20.810	20.660	≦30
11	2462	17.680	--	--	--	≦30

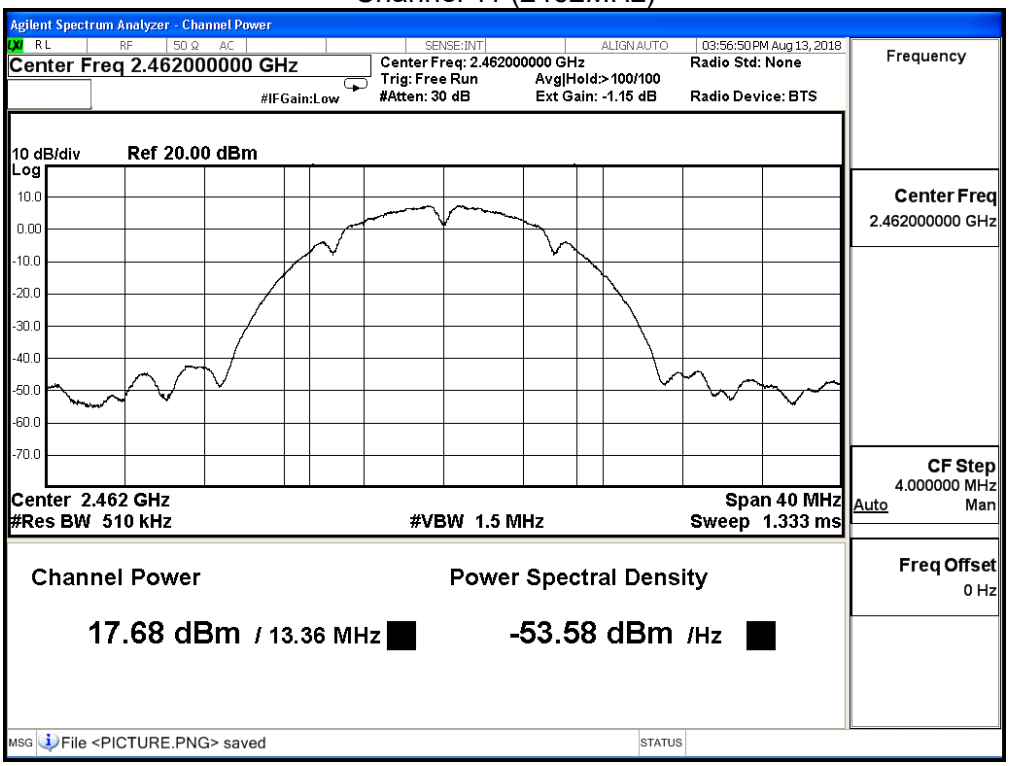
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11b (ANT 0+1+2+3)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	25.103	≦30
6	2437	27.171	≦30
11	2462	23.951	≦30

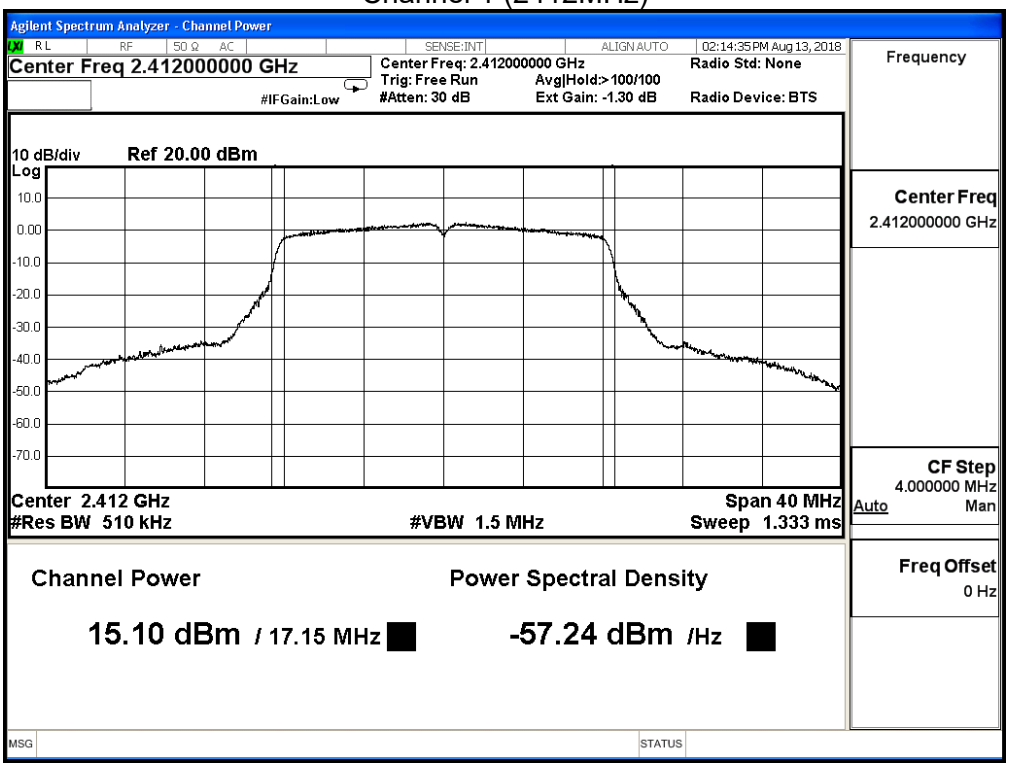
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	15.100	≦30
6	2437	22.090	≦30
11	2462	14.450	≦30

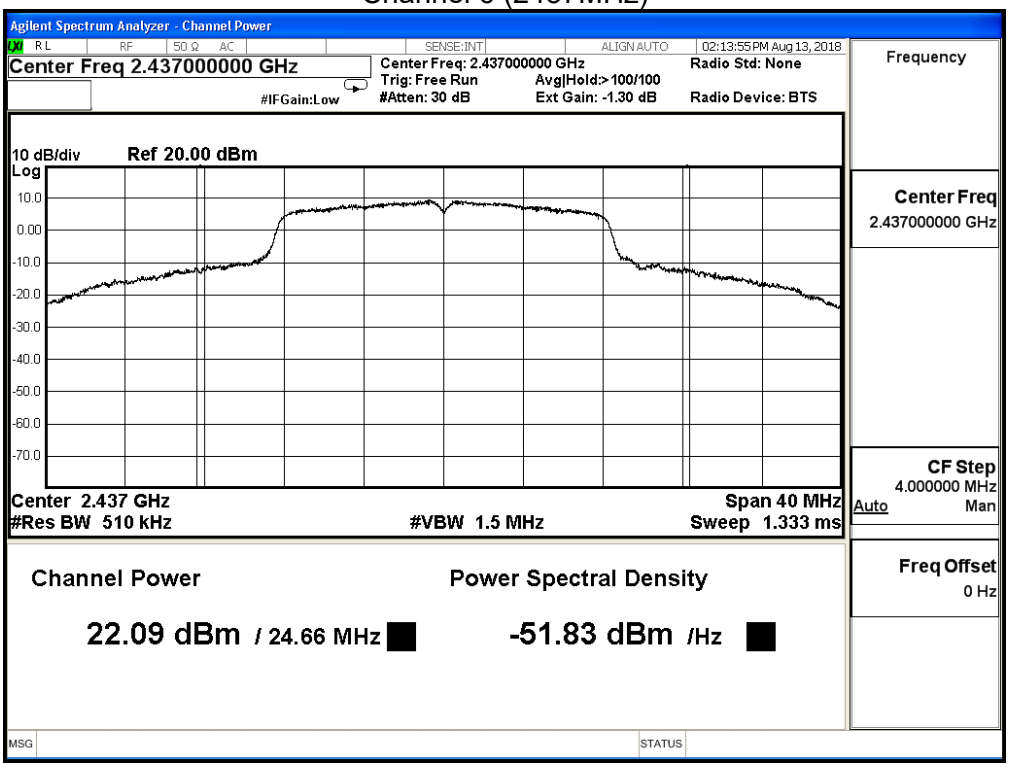
The worst emission of data rate is 6Mbps

Maximum peak conducted output power (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit (dBm)
		6	12	18	24	36	48	54	
1	2412	15.100	--	--	--	--	--	--	≦30
6	2437	22.090	20.260	20.150	18.890	18.150	14.150	13.970	≦30
11	2462	14.450	--	--	--	--	--	--	≦30

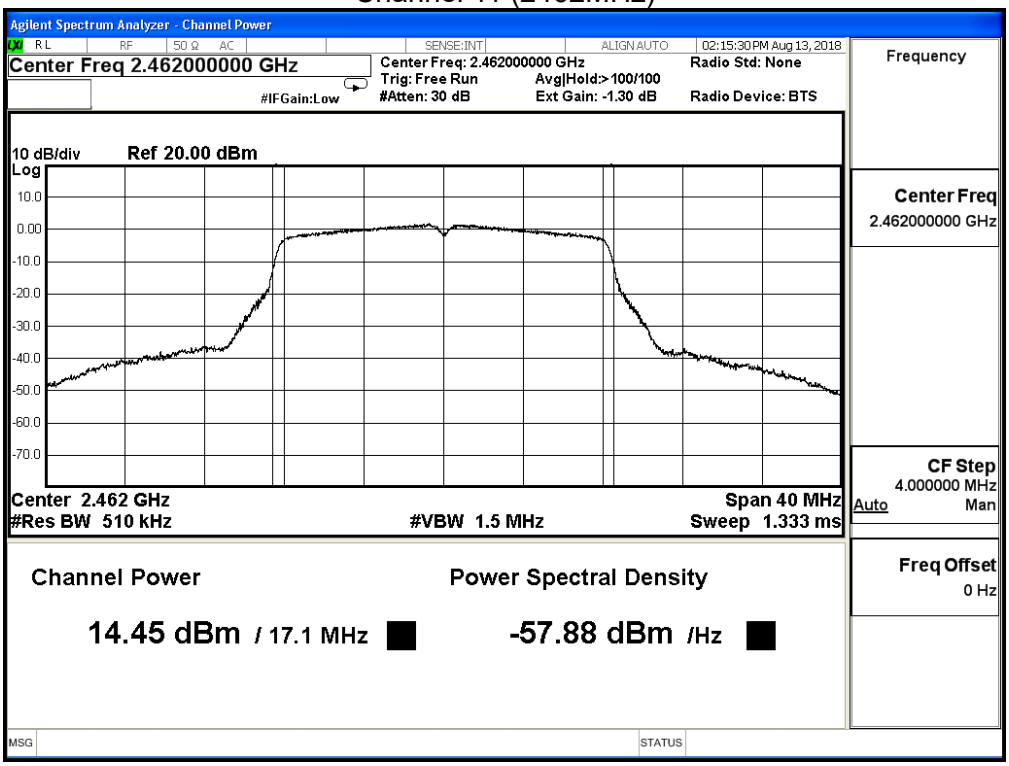
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



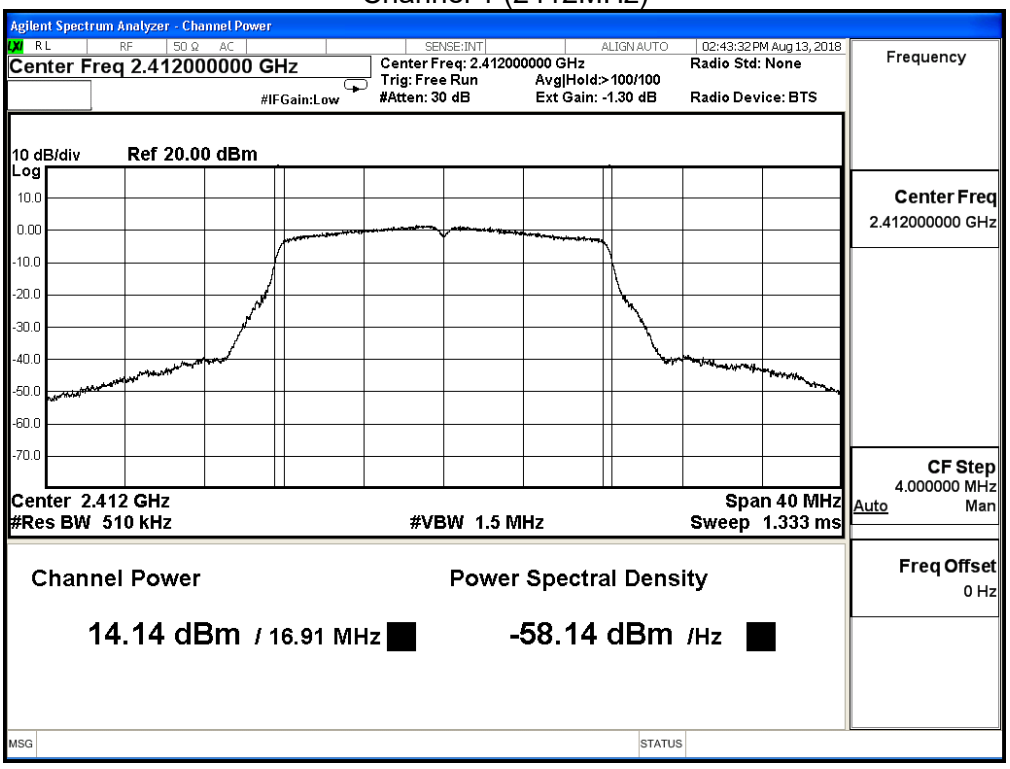
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11g (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	14.140	≦30
6	2437	21.130	≦30
11	2462	13.720	≦30

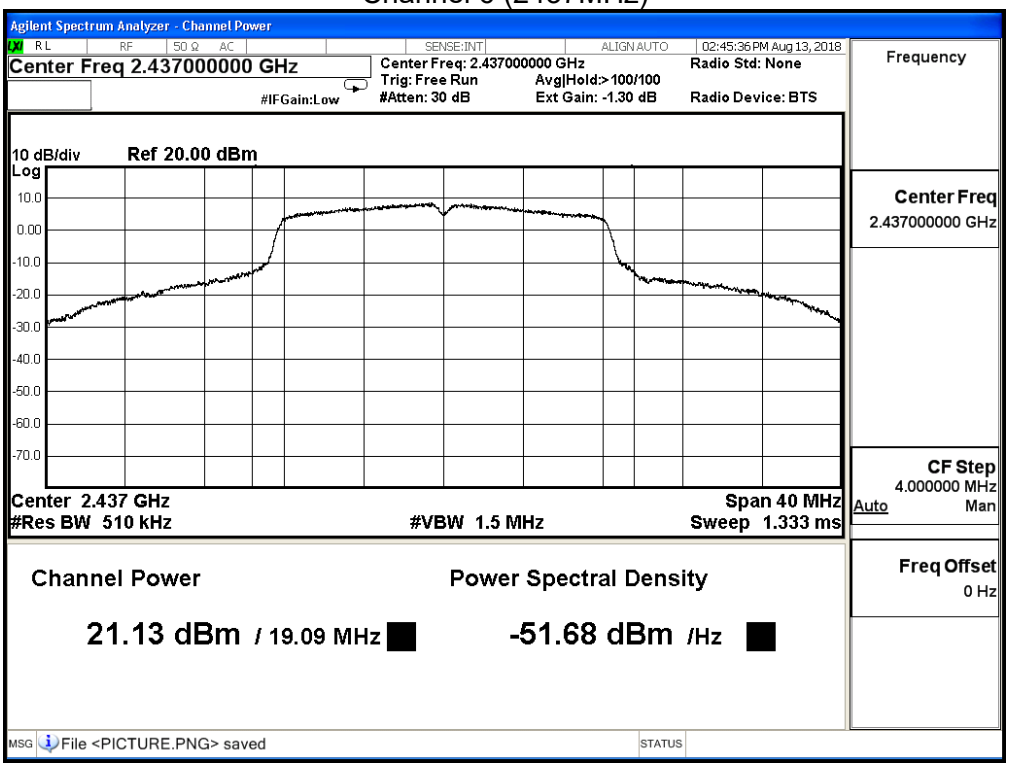
The worst emission of data rate is 6Mbps

Maximum peak conducted output power (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit (dBm)
		6	12	18	24	36	48	54	
1	2412	14.140	--	--	--	--	--	--	≦30
6	2437	21.130	20.990	20.850	20.710	20.560	20.420	20.280	≦30
11	2462	13.720	--	--	--	--	--	--	≦30

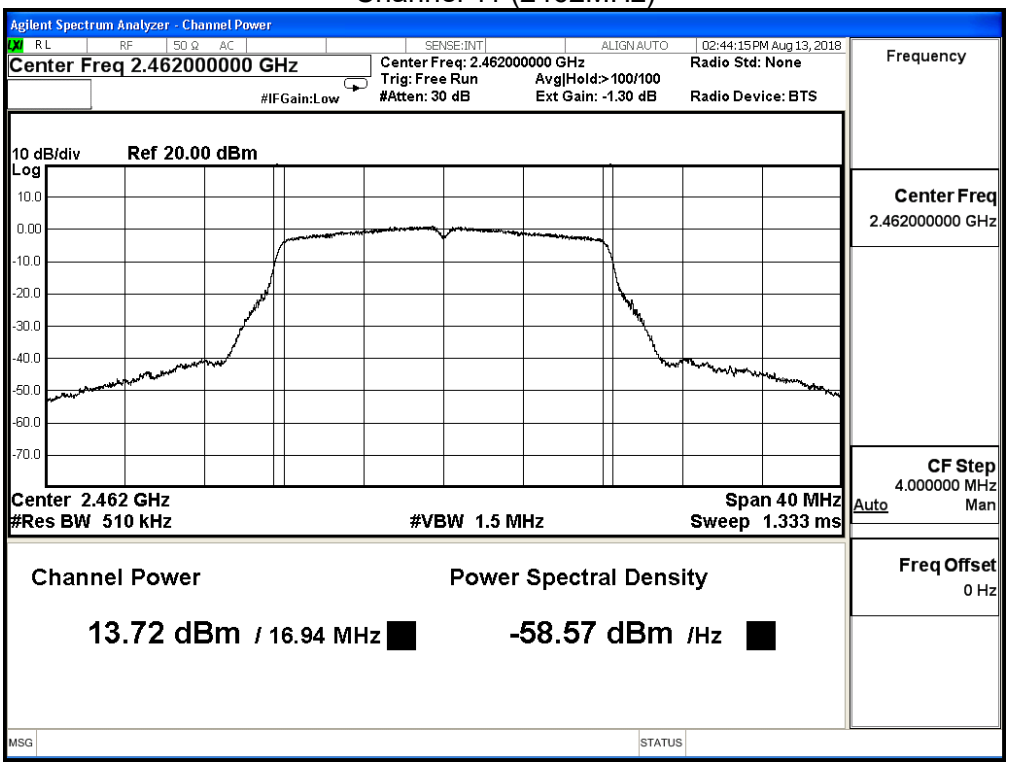
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



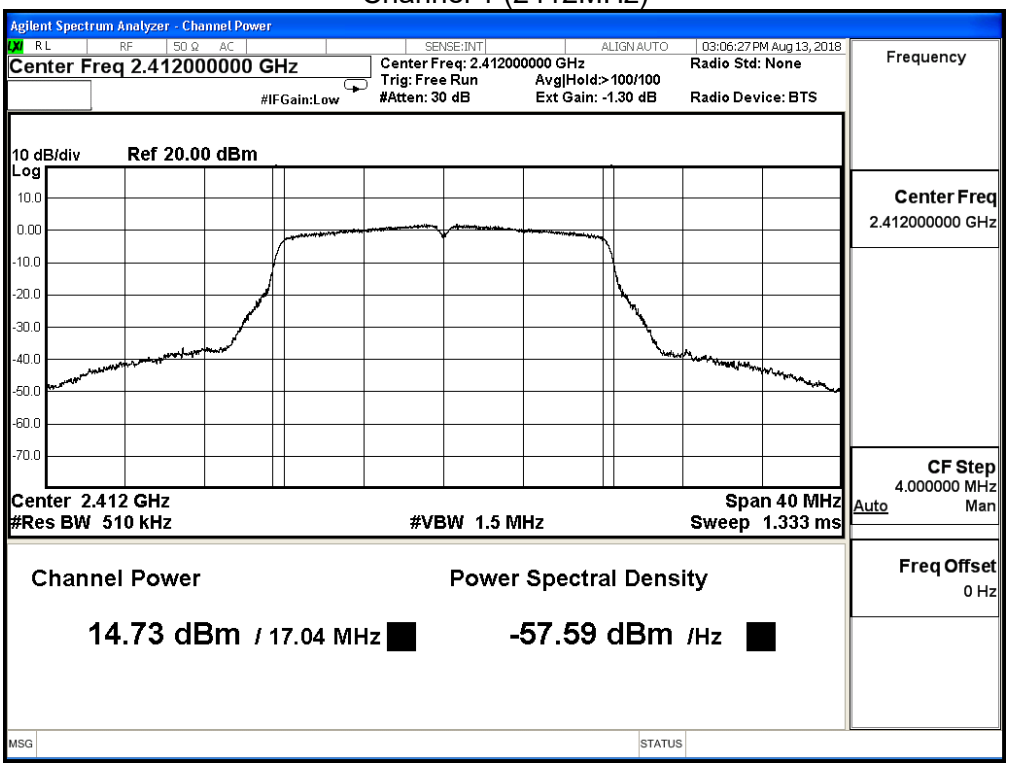
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11g (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	14.730	≦30
6	2437	20.770	≦30
11	2462	13.960	≦30

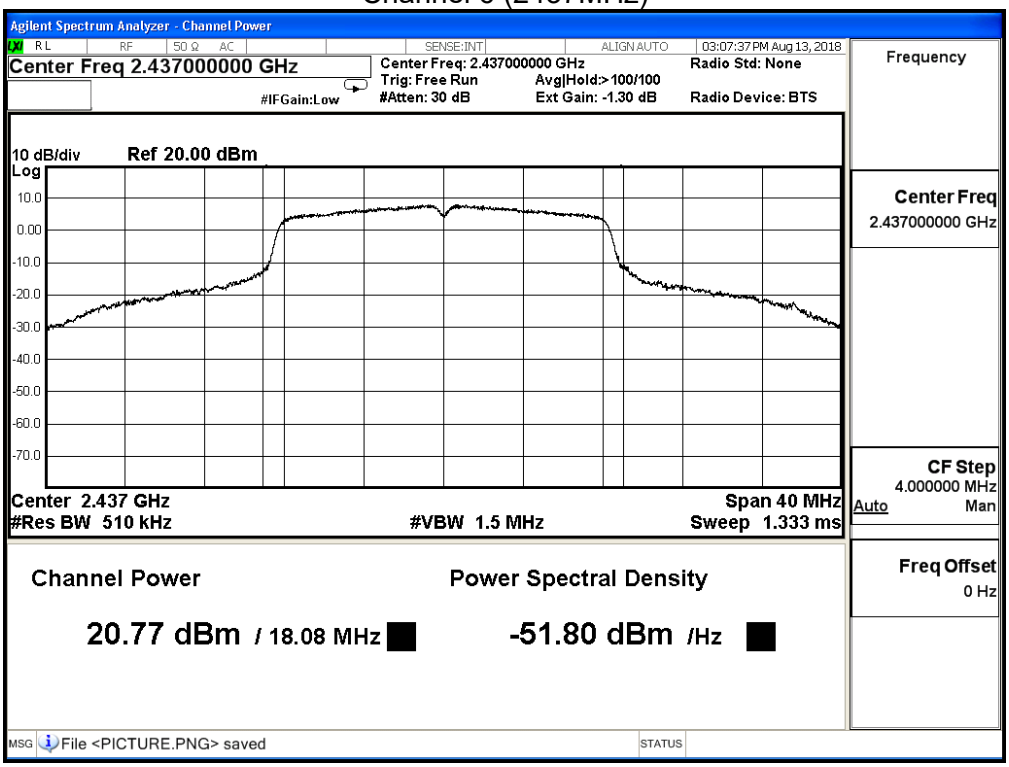
The worst emission of data rate is 6Mbps

Maximum peak conducted output power (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit (dBm)
		6	12	18	24	36	48	54	
1	2412	14.730	--	--	--	--	--	--	≦30
6	2437	20.770	20.640	20.500	20.350	20.200	20.070	19.920	≦30
11	2462	13.960	--	--	--	--	--	--	≦30

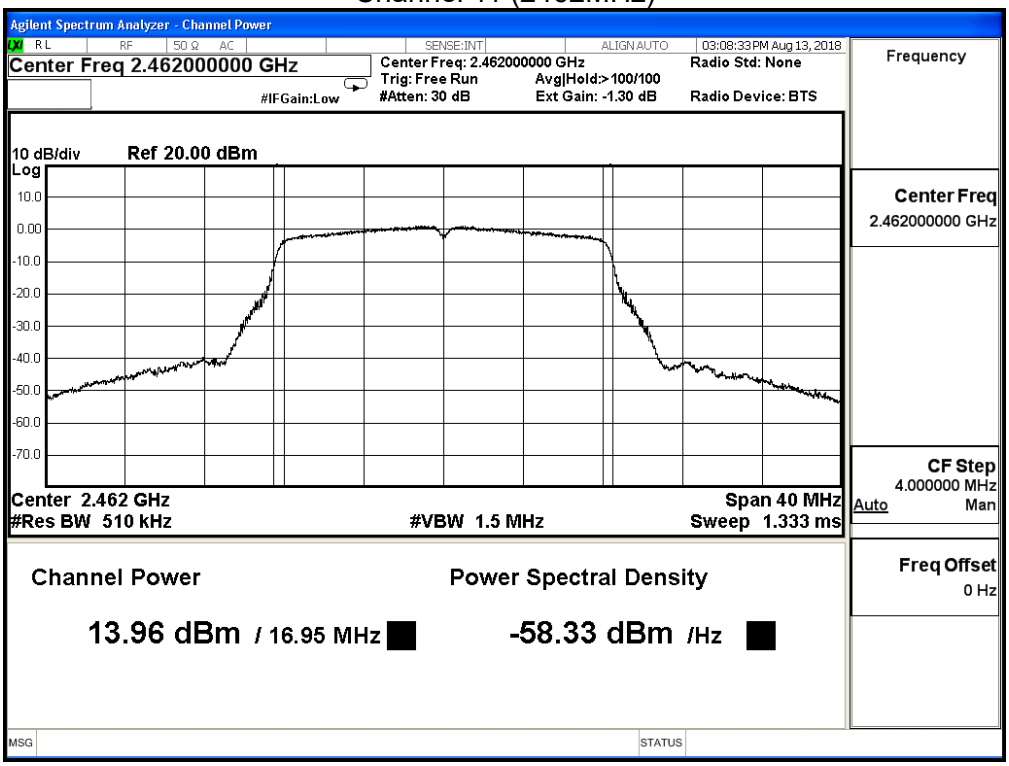
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



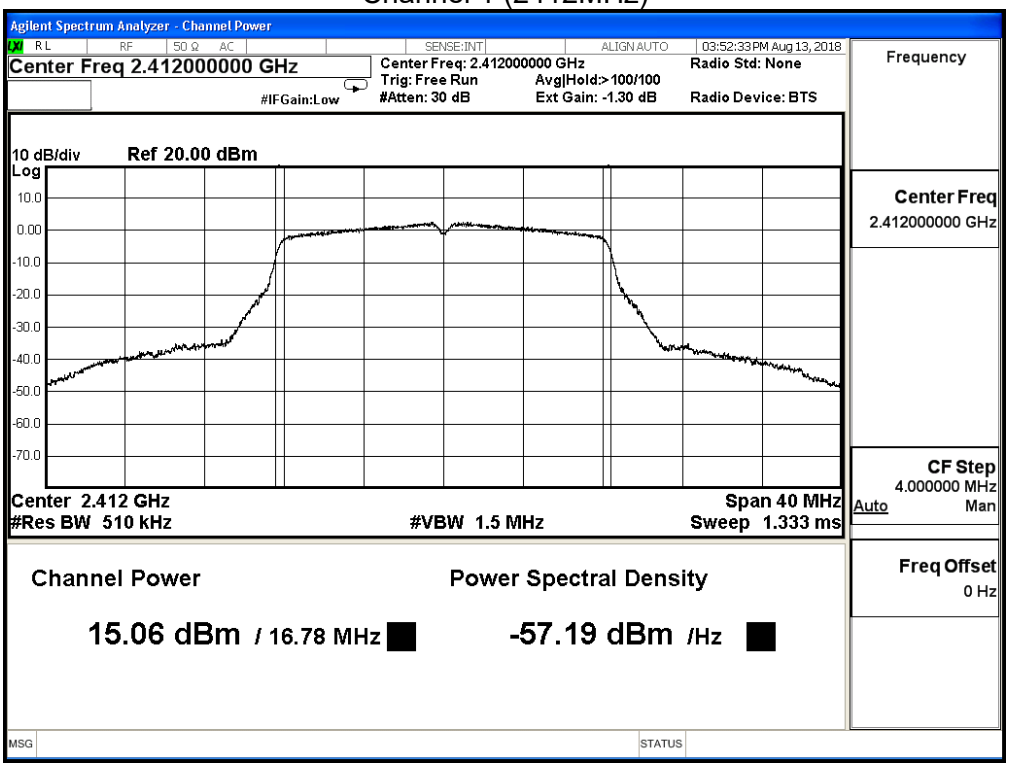
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11g (ANT 3)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	15.060	≦30
6	2437	20.260	≦30
11	2462	14.060	≦30

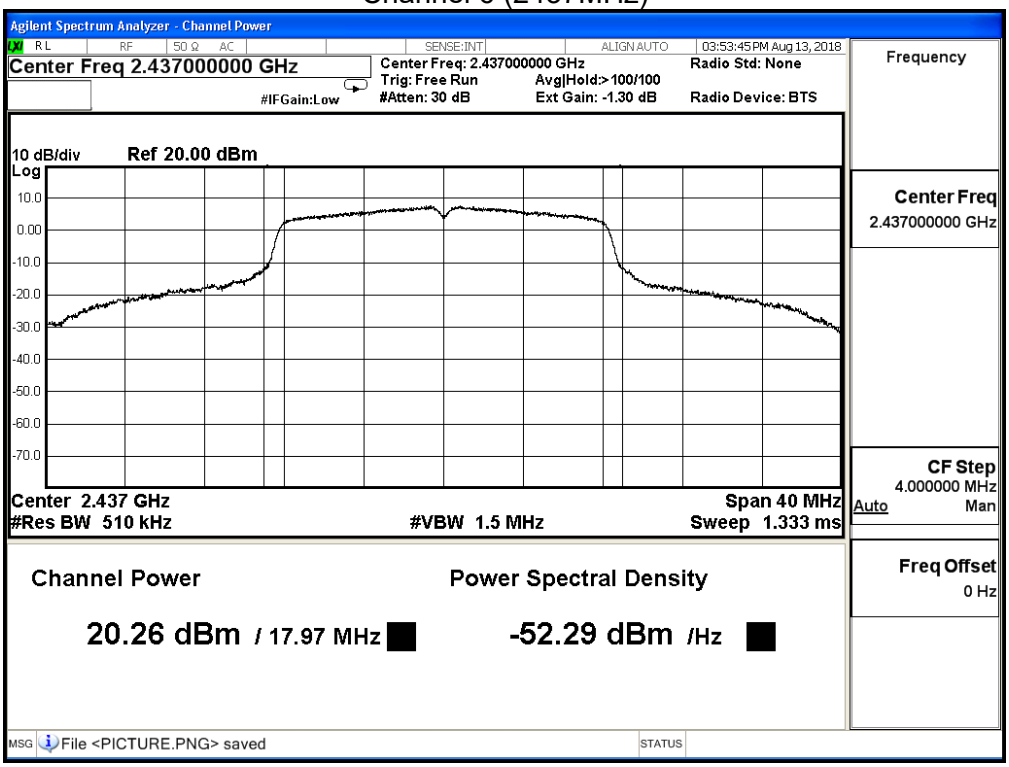
The worst emission of data rate is 6Mbps

Maximum peak conducted output power (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit (dBm)
		6	12	18	24	36	48	54	
1	2412	15.060	--	--	--	--	--	--	≦30
6	2437	20.260	20.130	19.990	19.850	19.700	19.550	19.410	≦30
11	2462	14.060	--	--	--	--	--	--	≦30

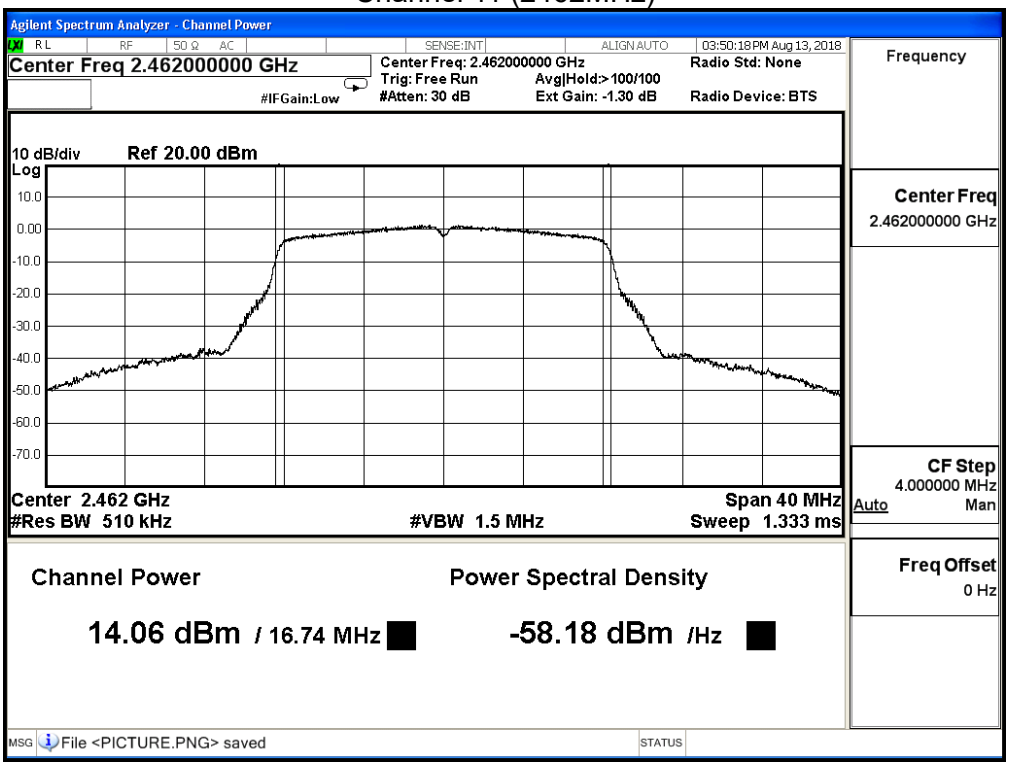
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11g (ANT 0+1+2+3)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	20.795	≦30
6	2437	27.136	≦30
11	2462	20.076	≦30

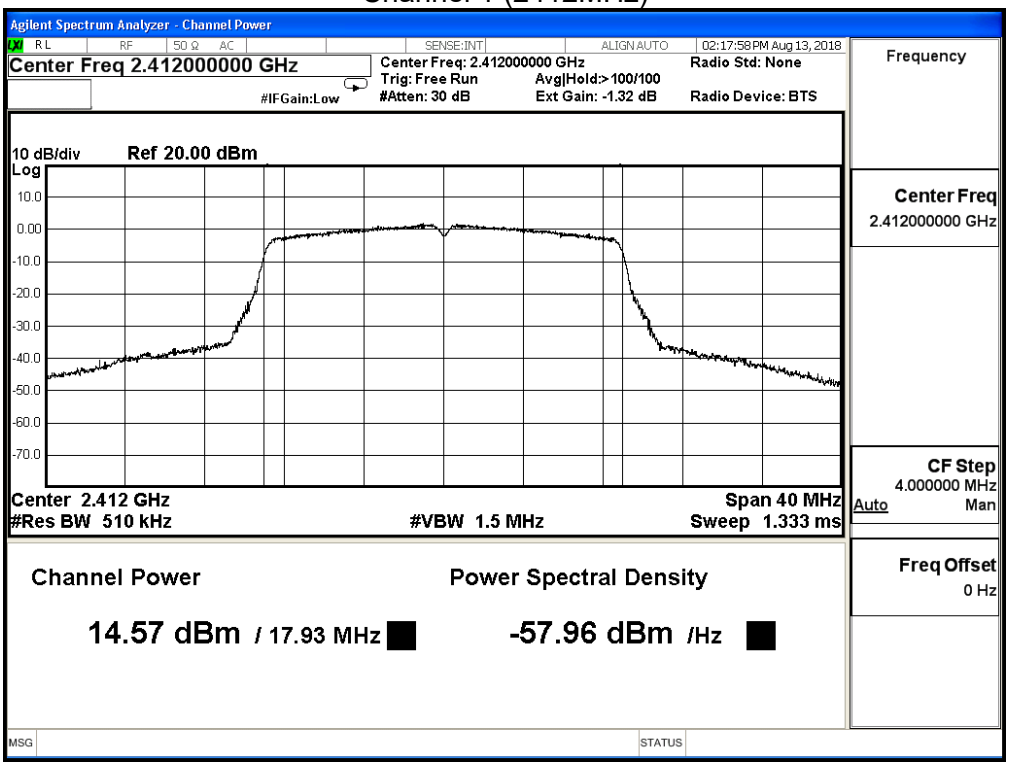
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11n 20M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	14.570	≦30
6	2437	21.090	≦30
11	2462	13.760	≦30

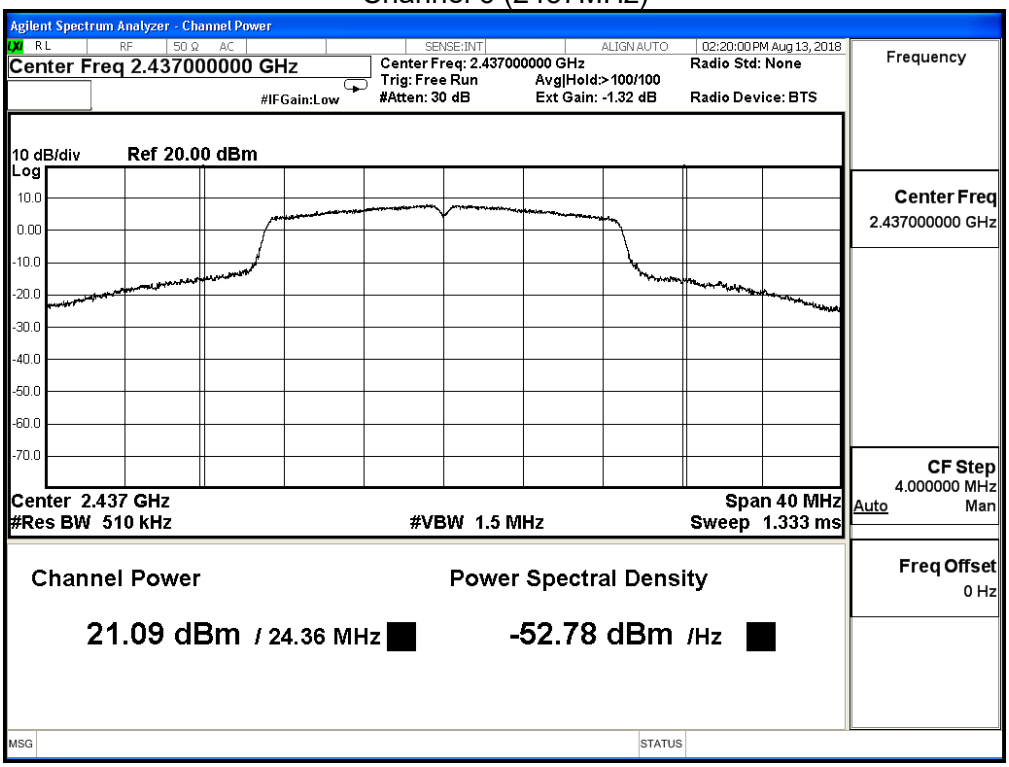
The worst emission of data rate is MCS 0

Maximum peak conducted output power (dBm)										
Channel No	Frequency (MHz)	Data Rate (Mbps)								Required Limit (dBm)
		0	1	2	3	4	5	6	7	
1	2412	14.570	--	--	--	--	--	--	--	≦30
6	2437	21.090	20.290	20.060	19.900	20.290	13.800	13.600	12.170	≦30
11	2462	13.760	--	--	--	--	--	--	--	≦30

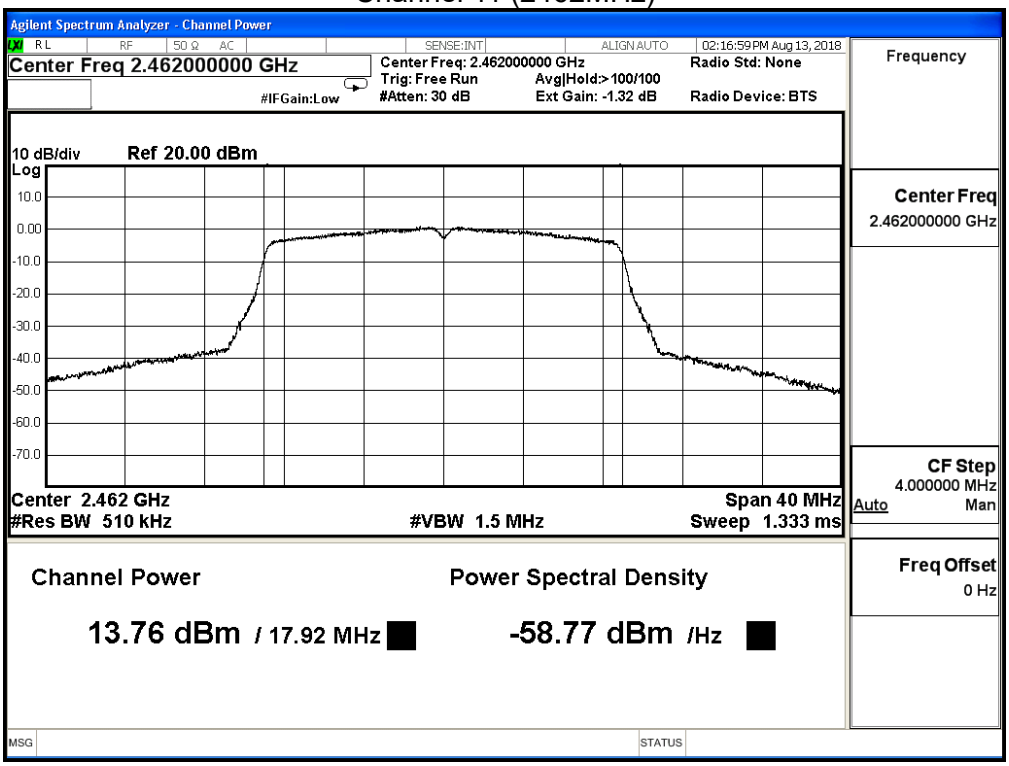
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



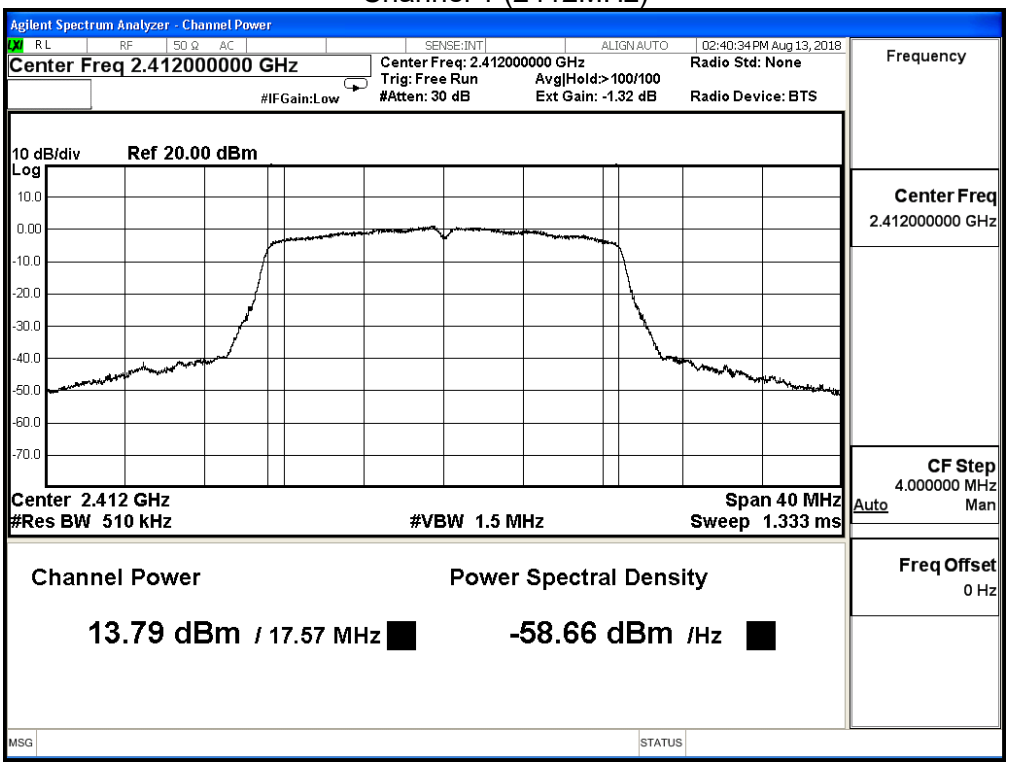
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11n 20M (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	13.790	≦30
6	2437	20.300	≦30
11	2462	13.270	≦30

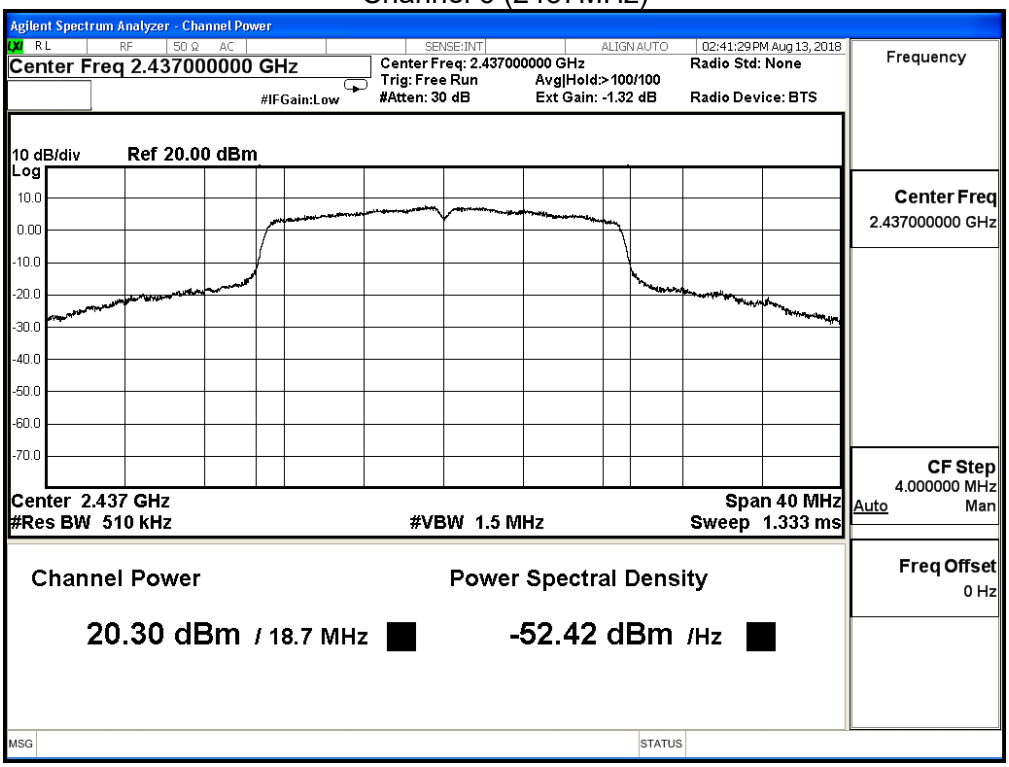
The worst emission of data rate is MCS 0

Maximum peak conducted output power (dBm)										
Channel No	Frequency (MHz)	Data Rate (Mbps)								Required Limit (dBm)
		0	1	2	3	4	5	6	7	
1	2412	13.790	--	--	--	--	--	--	--	≦30
6	2437	20.300	20.150	20.020	19.880	19.740	19.600	19.460	19.320	≦30
11	2462	13.270	--	--	--	--	--	--	--	≦30

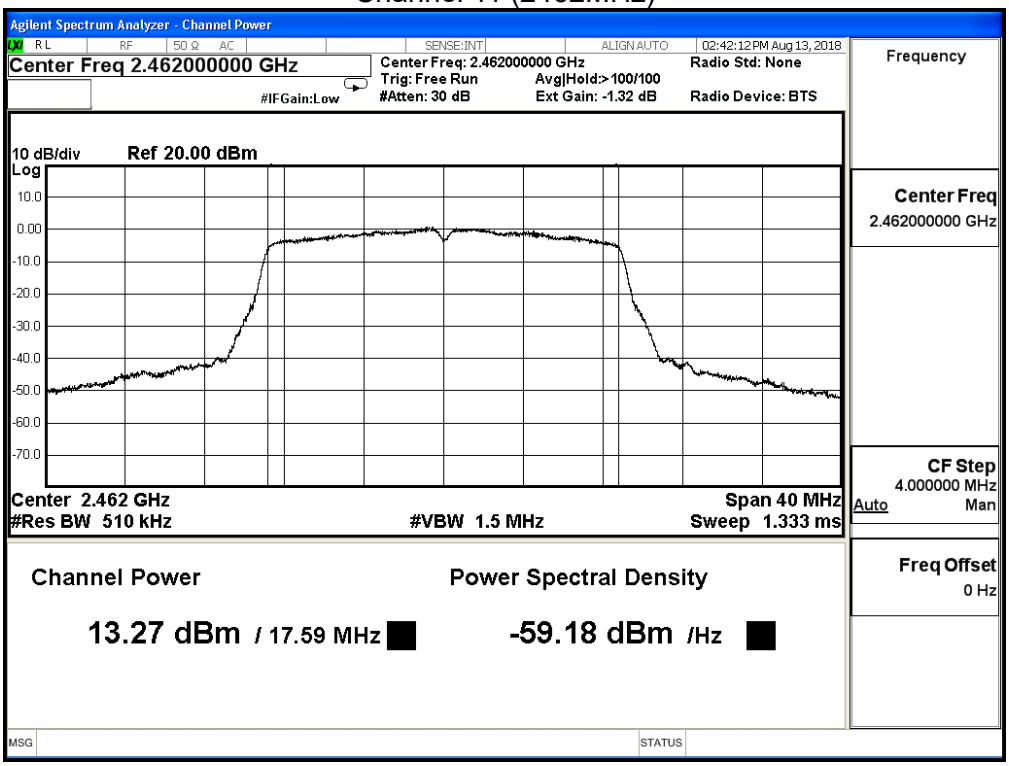
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



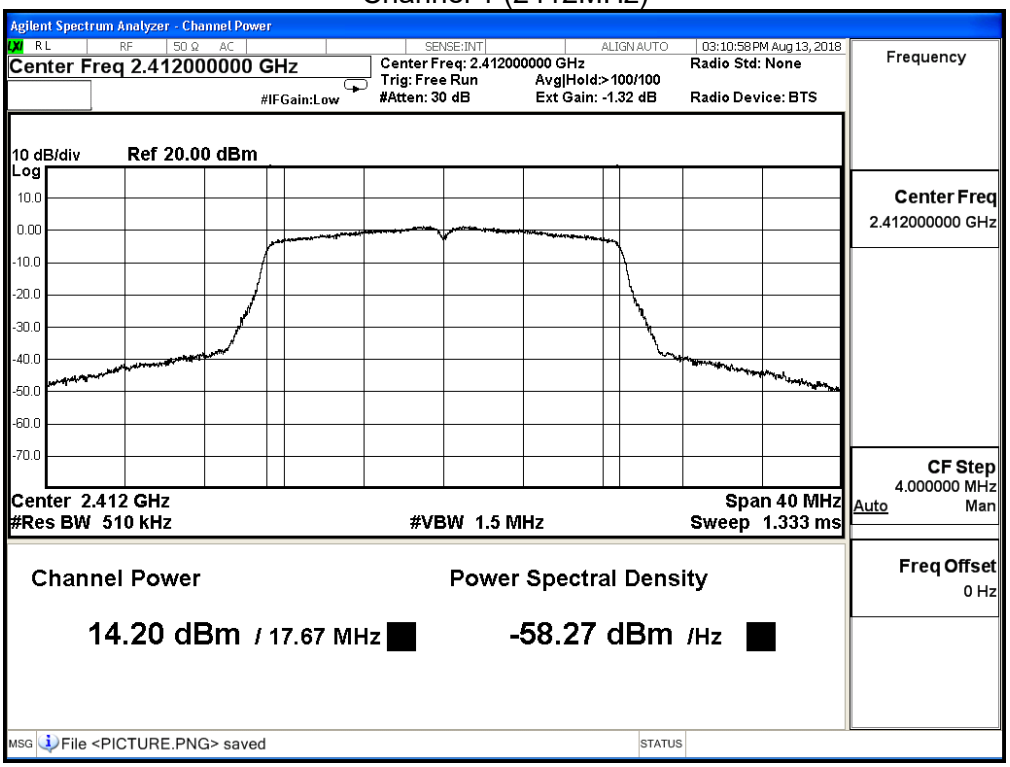
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11n 20M (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	14.200	≦30
6	2437	20.680	≦30
11	2462	13.320	≦30

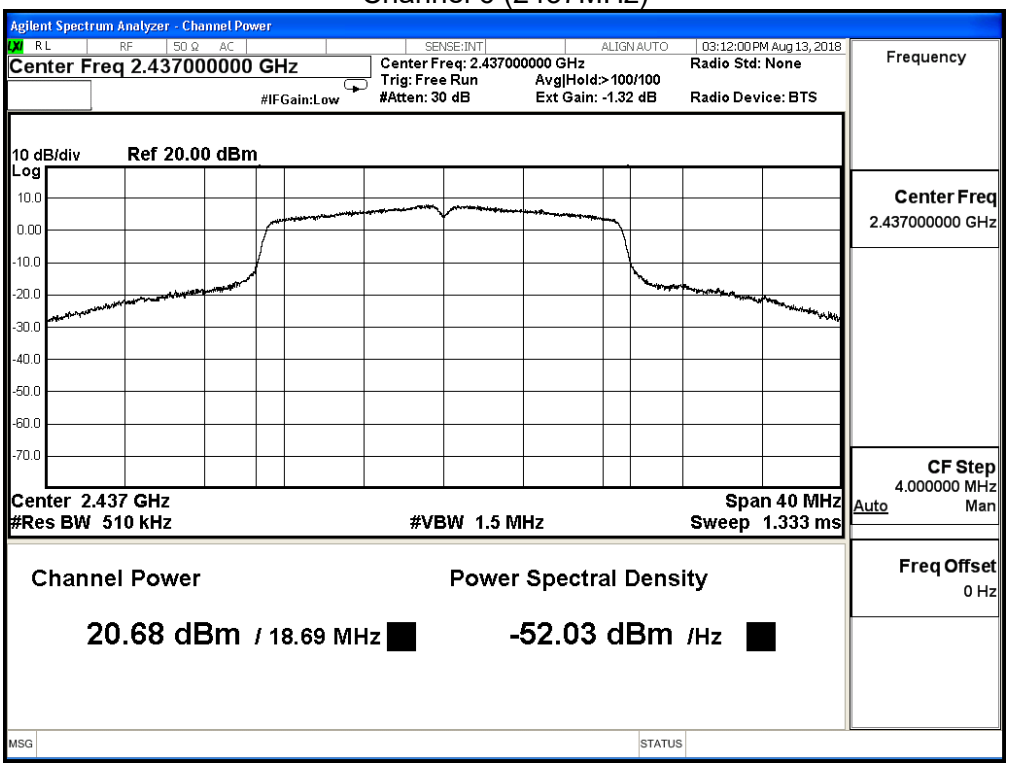
The worst emission of data rate is MCS 0

Maximum peak conducted output power (dBm)										
Channel No	Frequency (MHz)	Data Rate (Mbps)								Required Limit (dBm)
		0	1	2	3	4	5	6	7	
1	2412	14.200	--	--	--	--	--	--	--	≦30
6	2437	20.680	20.530	20.400	20.260	20.110	19.980	19.840	19.690	≦30
11	2462	13.320	--	--	--	--	--	--	--	≦30

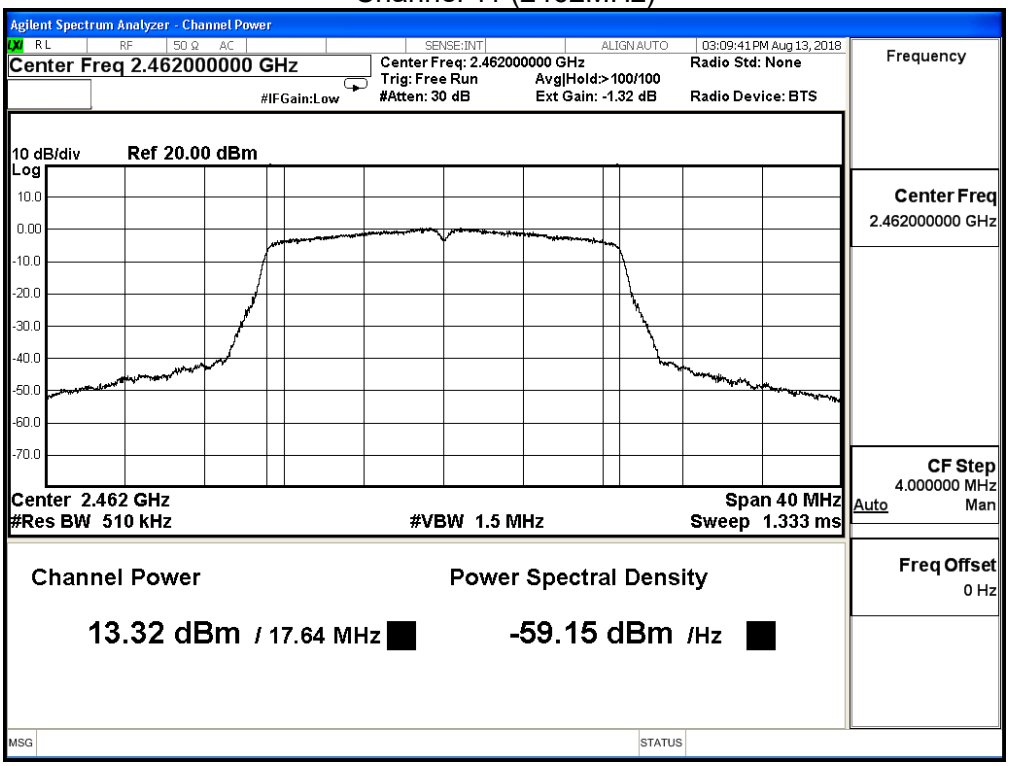
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



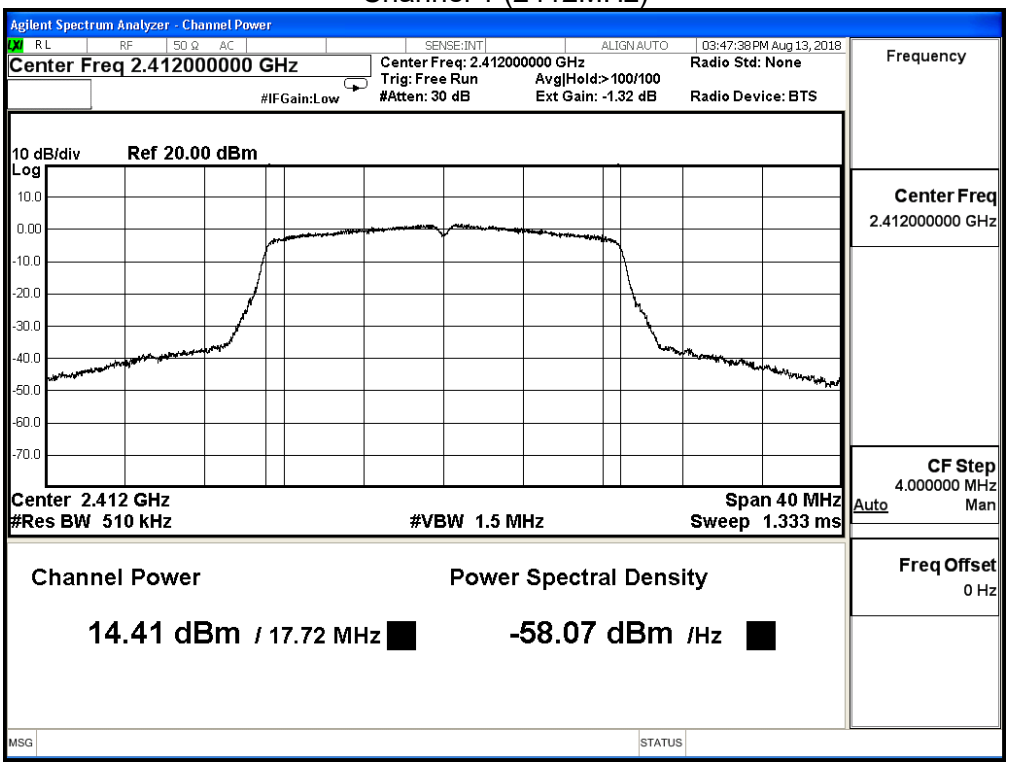
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11n 20M (ANT 3)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	14.410	≦30
6	2437	20.590	≦30
11	2462	13.380	≦30

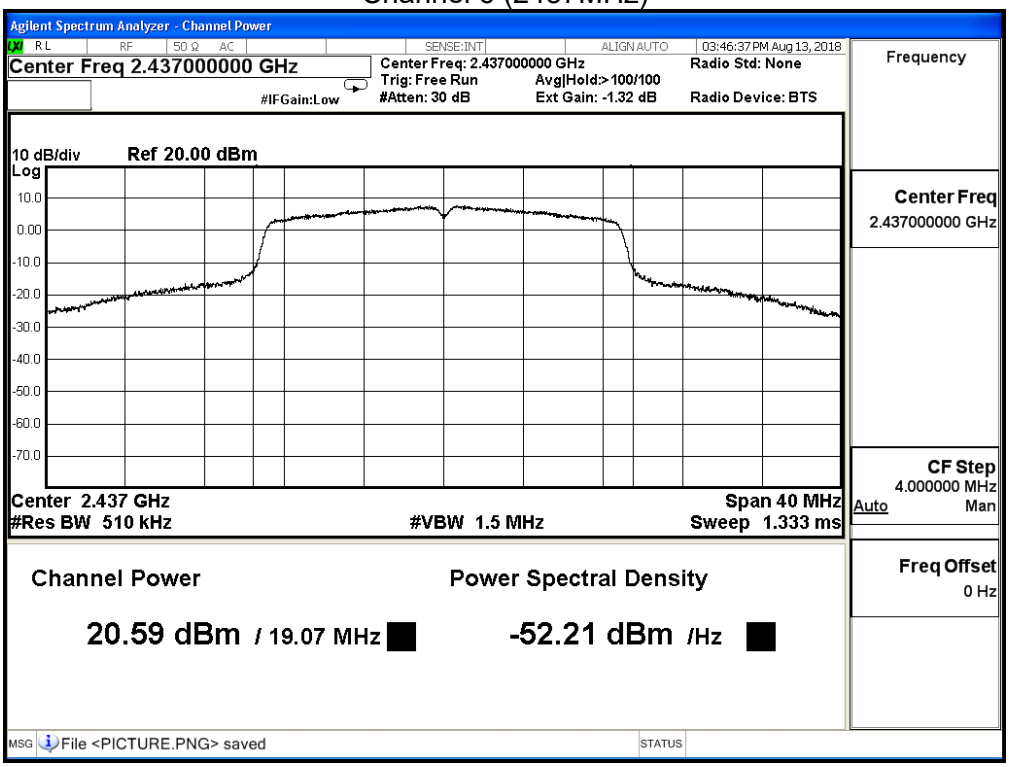
The worst emission of data rate is MCS 0

Maximum peak conducted output power (dBm)										
Channel No	Frequency (MHz)	Data Rate (Mbps)								Required Limit (dBm)
		0	1	2	3	4	5	6	7	
1	2412	14.410	--	--	--	--	--	--	--	≦30
6	2437	20.590	20.450	20.310	20.160	20.020	19.880	19.730	19.590	≦30
11	2462	13.380	--	--	--	--	--	--	--	≦30

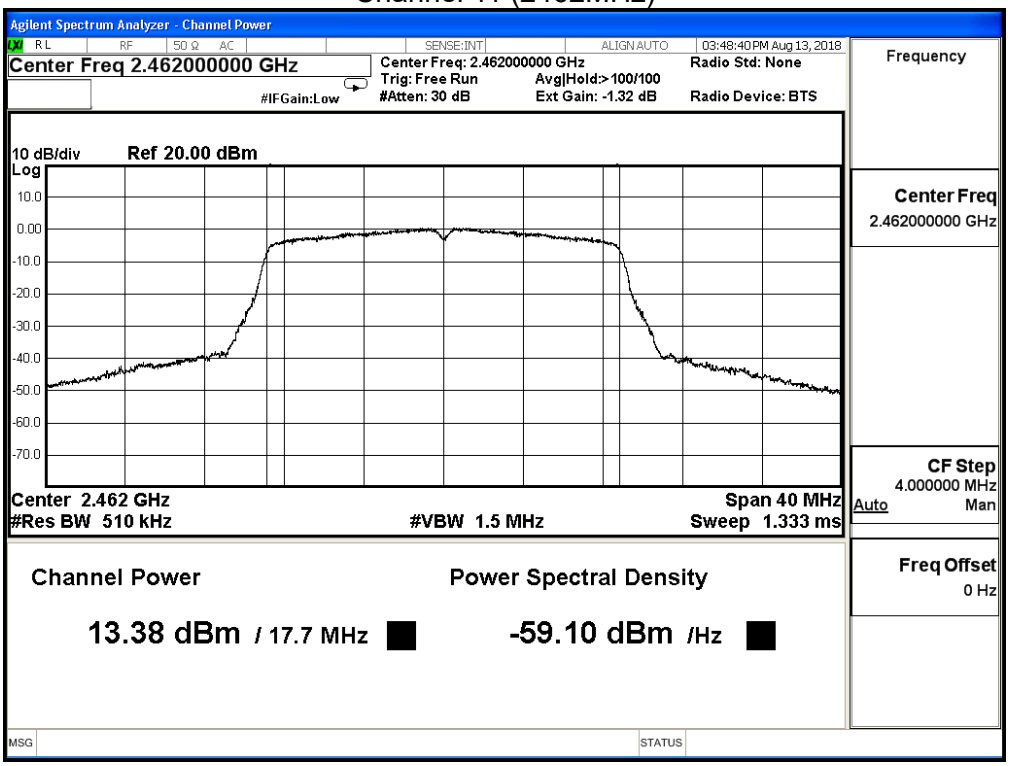
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11n 20M (ANT 0+1+2+3)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	20.273	≦30
6	2437	26.695	≦30
11	2462	19.457	≦30

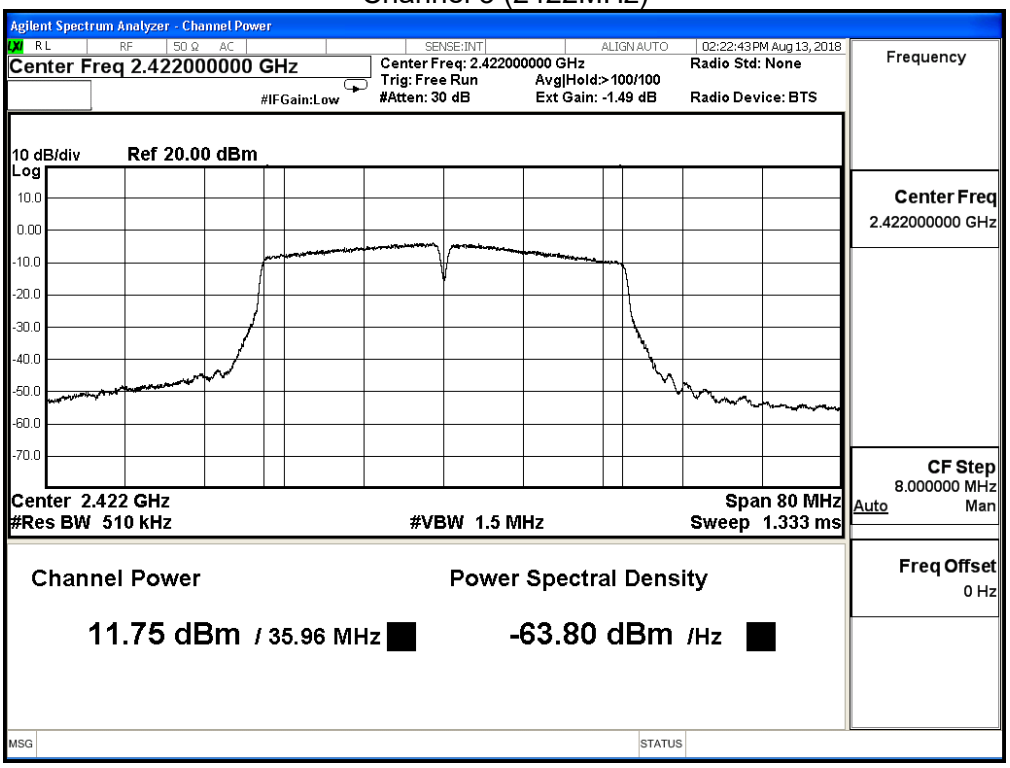
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11n 40M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	11.750	≦30
6	2437	15.790	≦30
9	2452	12.500	≦30

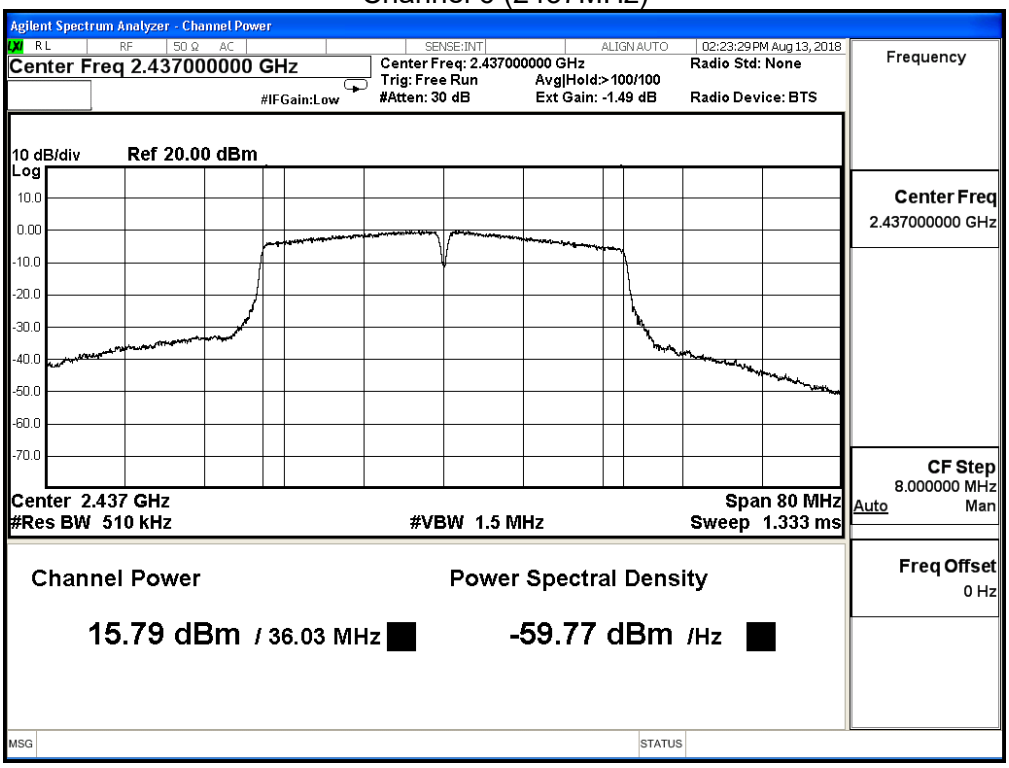
The worst emission of data rate is MCS 0

Maximum peak conducted output power (dBm)										
Channel No	Frequency (MHz)	Data Rate (Mbps)								Required Limit (dBm)
		0	1	2	3	4	5	6	7	
3	2422	11.750	--	--	--	--	--	--	--	≦30
6	2437	15.790	15.180	14.990	8.140	7.160	5.720	5.040	4.960	≦30
9	2452	12.500	--	--	--	--	--	--	--	≦30

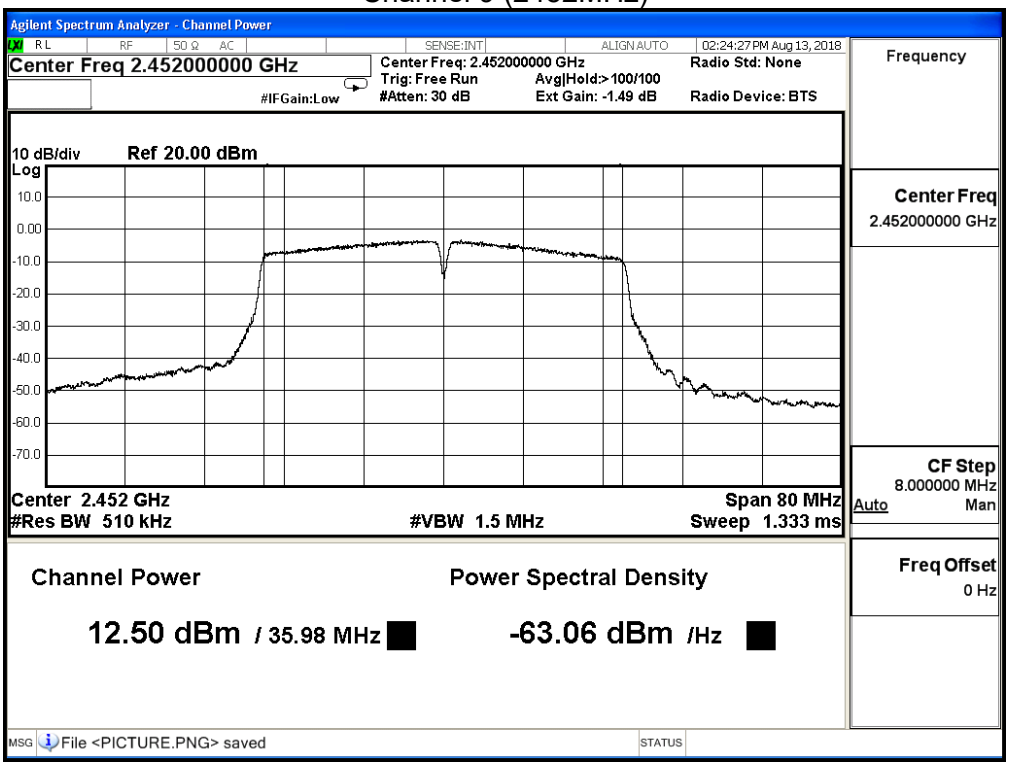
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



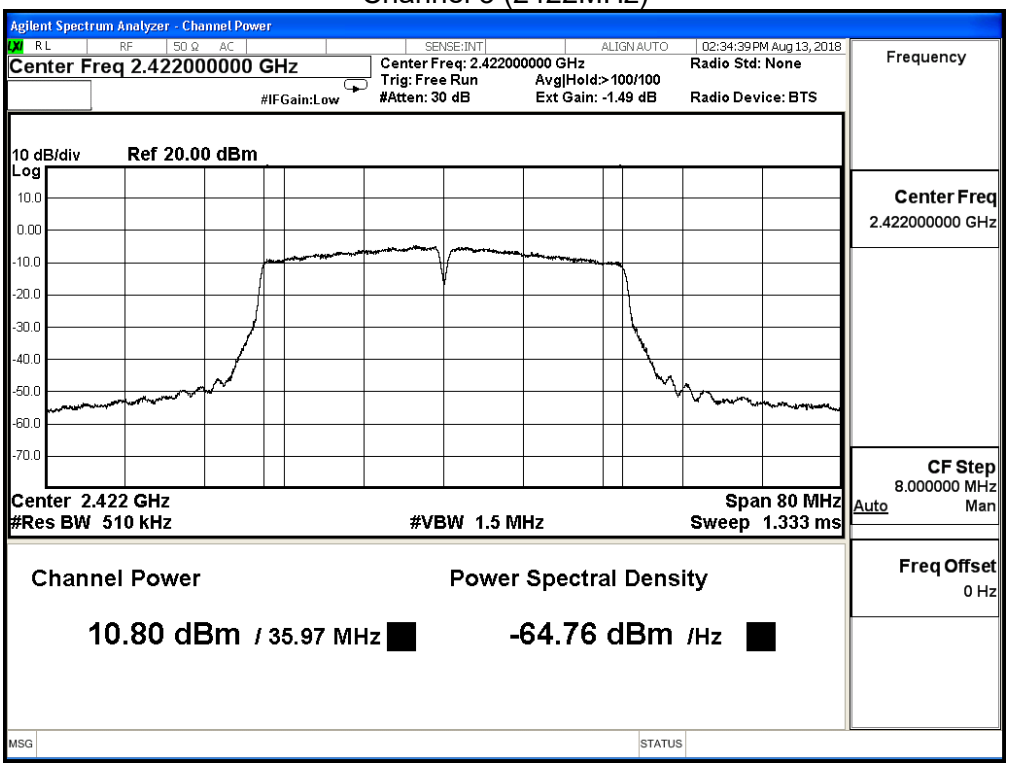
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11n 40M (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	10.800	≦30
6	2437	14.570	≦30
9	2452	11.630	≦30

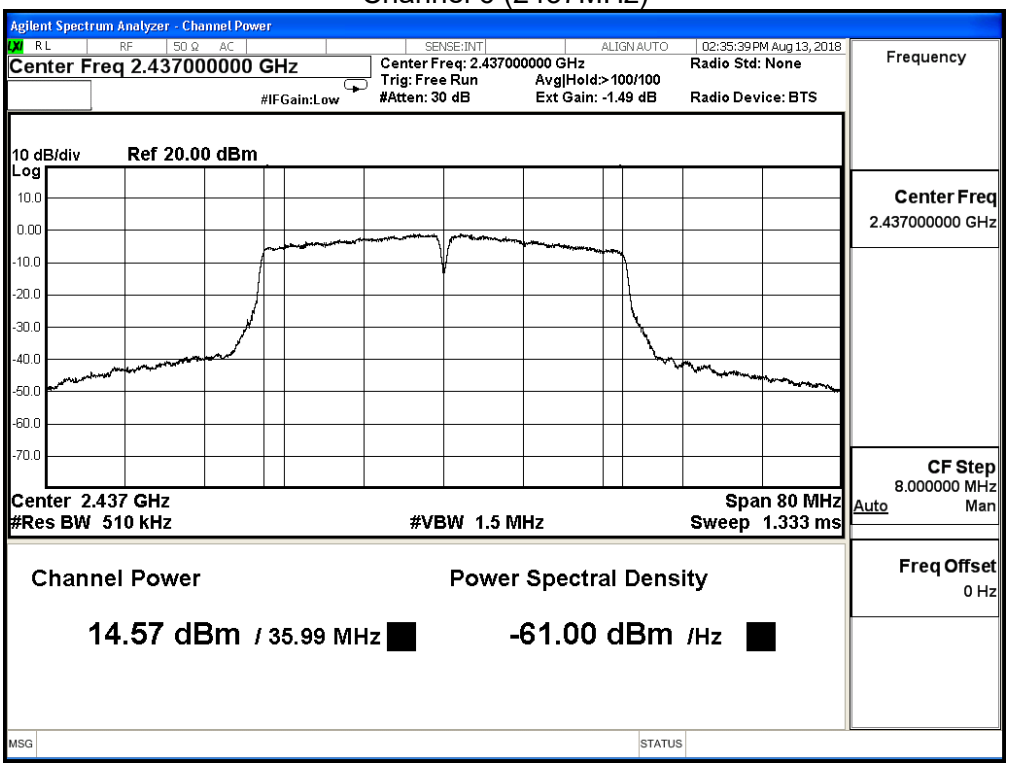
The worst emission of data rate is MCS 0

Maximum peak conducted output power (dBm)										
Channel No	Frequency (MHz)	Data Rate (Mbps)								Required Limit (dBm)
		0	1	2	3	4	5	6	7	
3	2422	10.800	--	--	--	--	--	--	--	≦30
6	2437	14.570	14.430	14.290	14.160	14.030	13.890	13.750	13.610	≦30
9	2452	11.630	--	--	--	--	--	--	--	≦30

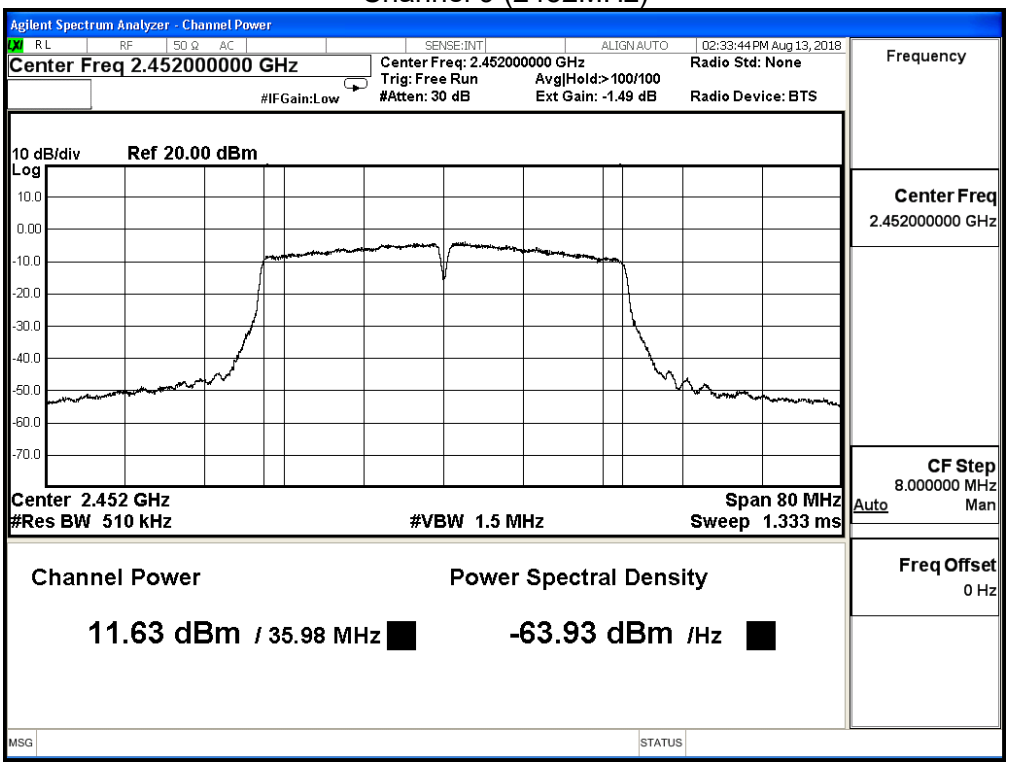
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



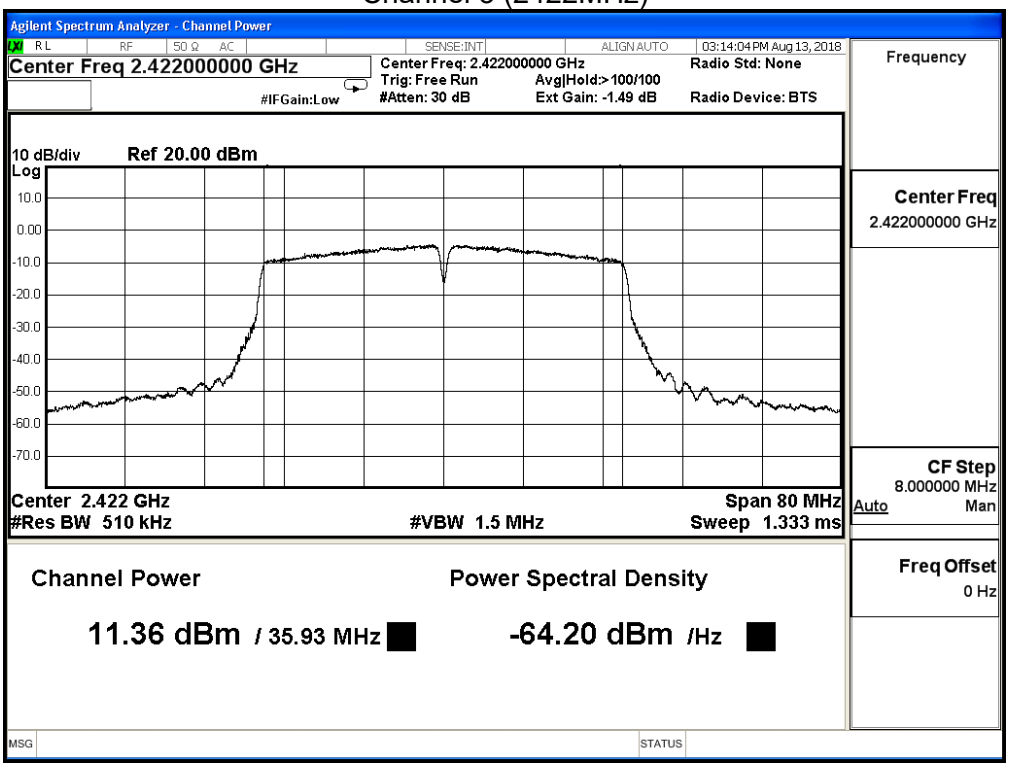
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11n 40M (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	11.360	≦30
6	2437	15.180	≦30
9	2452	11.930	≦30

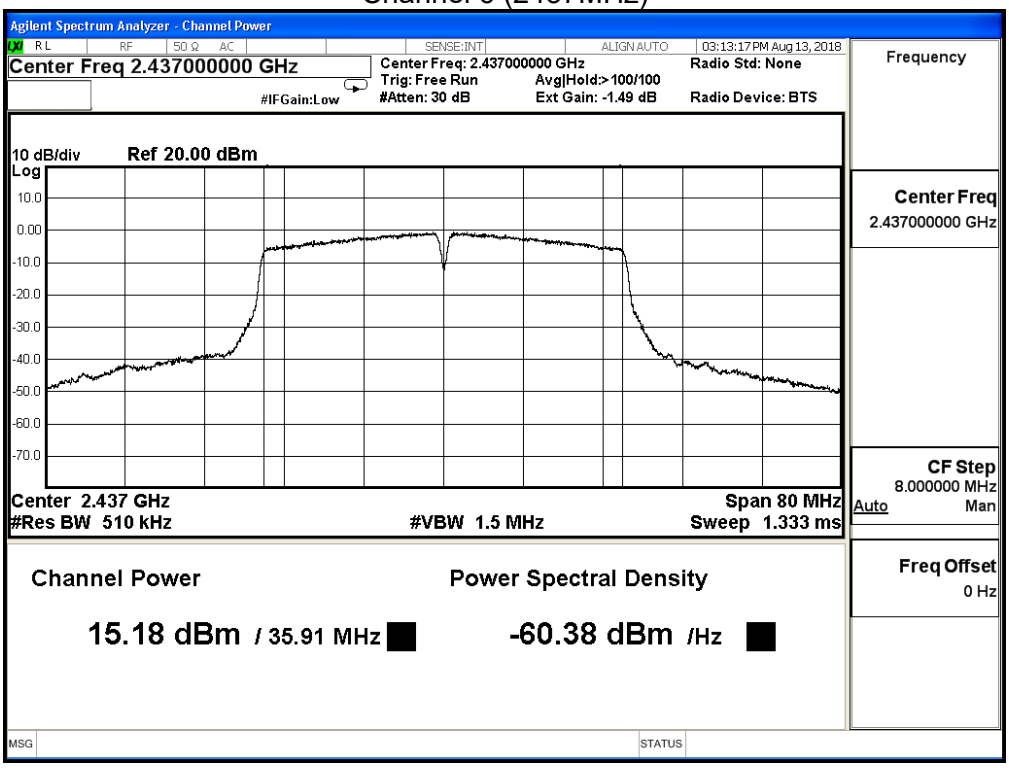
The worst emission of data rate is MCS 0

Maximum peak conducted output power (dBm)										
Channel No	Frequency (MHz)	Data Rate (Mbps)								Required Limit (dBm)
		0	1	2	3	4	5	6	7	
3	2422	11.360	--	--	--	--	--	--	--	≦30
6	2437	15.180	15.050	14.920	14.770	14.620	14.470	14.340	14.200	≦30
9	2452	11.930	--	--	--	--	--	--	--	≦30

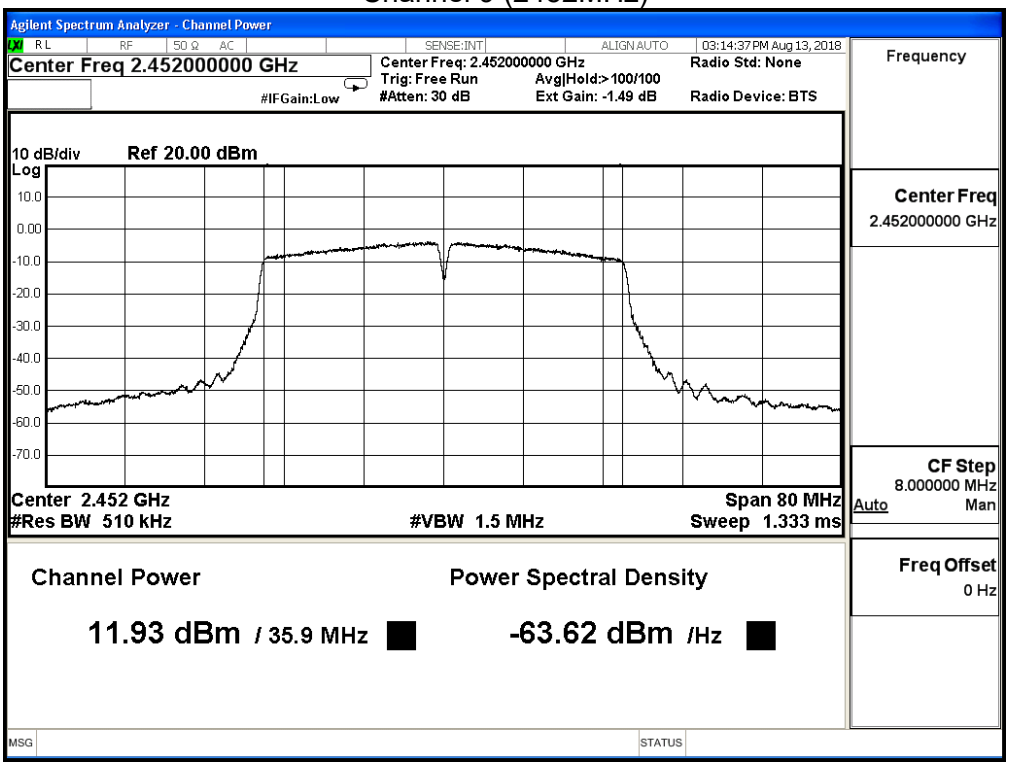
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



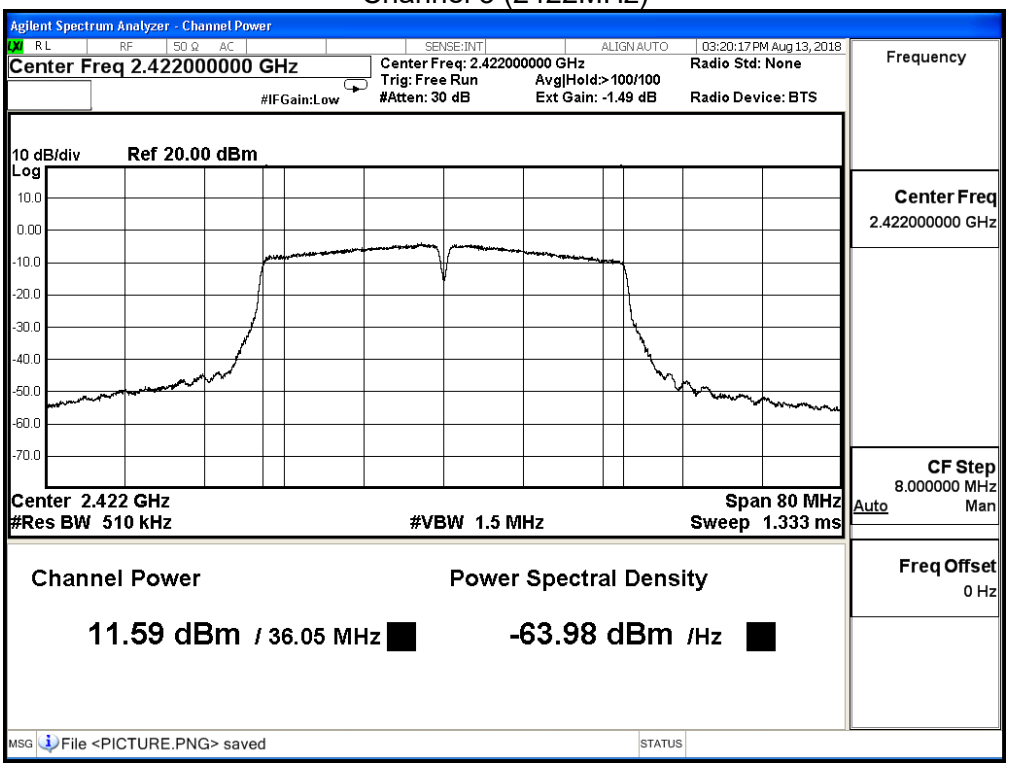
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11n 40M (ANT 3)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	11.590	≦30
6	2437	15.460	≦30
9	2452	12.050	≦30

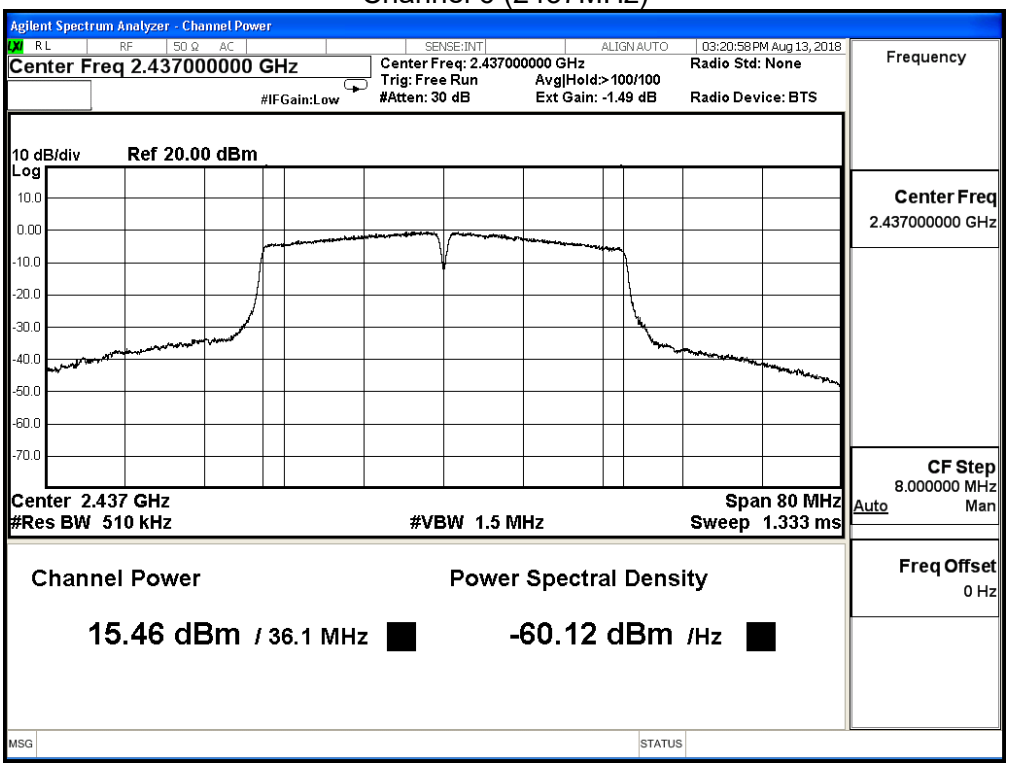
The worst emission of data rate is MCS 0

Maximum peak conducted output power (dBm)										
Channel No	Frequency (MHz)	Data Rate (Mbps)								Required Limit (dBm)
		0	1	2	3	4	5	6	7	
3	2422	11.590	--	--	--	--	--	--	--	≦30
6	2437	15.460	15.310	15.170	15.040	14.900	14.760	14.630	14.480	≦30
9	2452	12.050	--	--	--	--	--	--	--	≦30

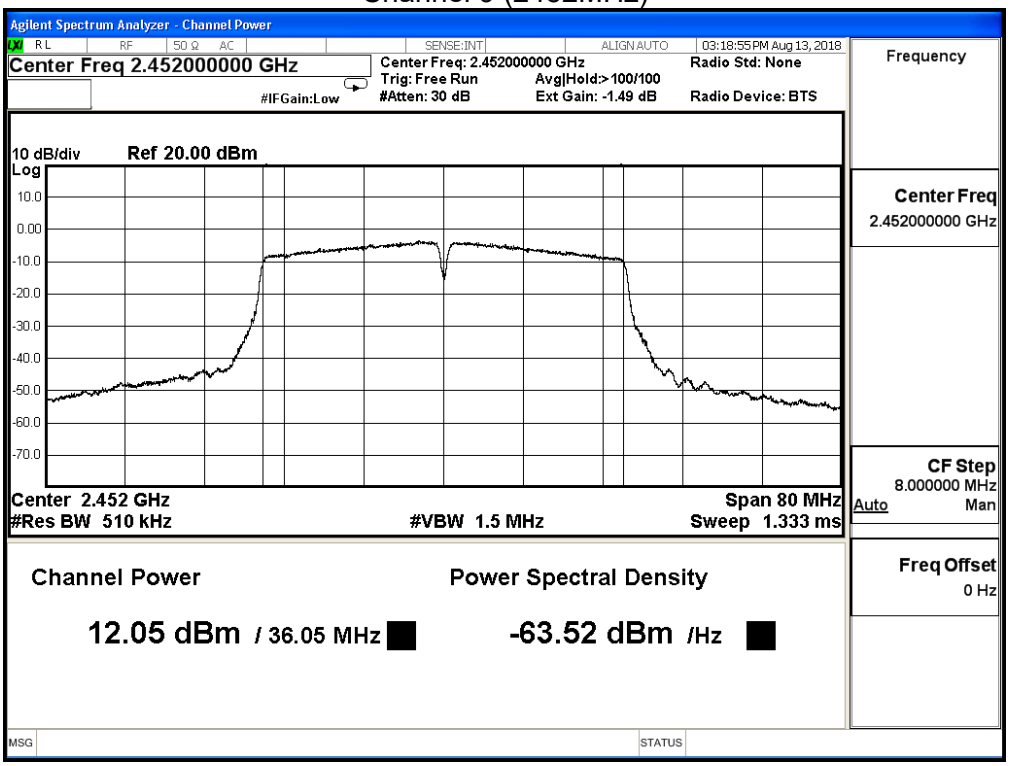
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



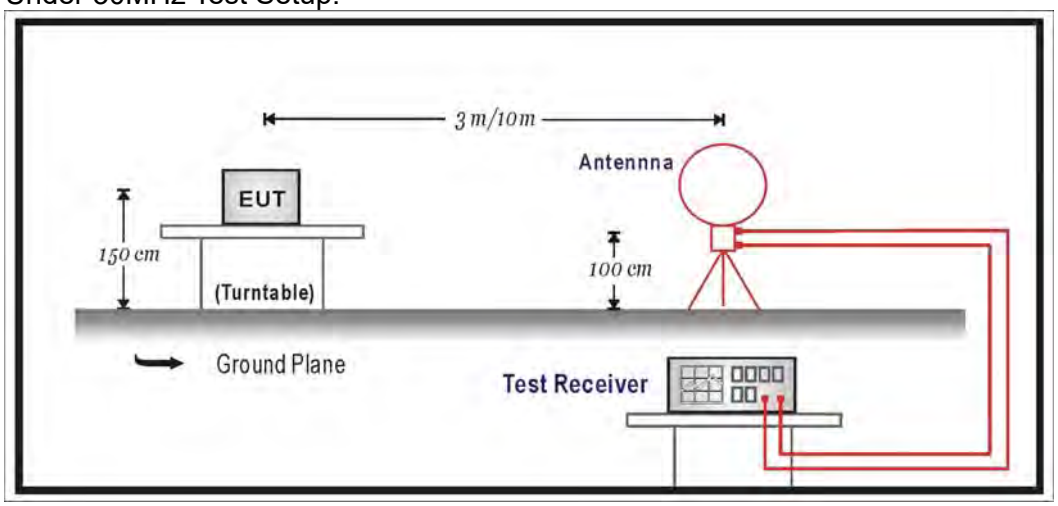
Product	Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Date of Test	2018/08/13	Test Site	SR10-H

IEEE 802.11n 40M (ANT 0+1+2+3)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	17.410	≦30
6	2437	21.293	≦30
9	2452	18.059	≦30

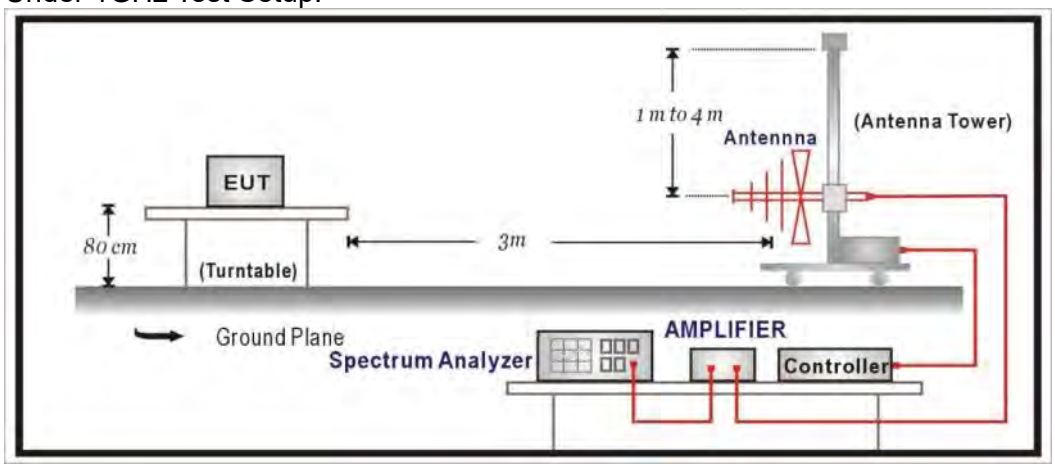
4. Radiated Emission

4.1. Test Setup

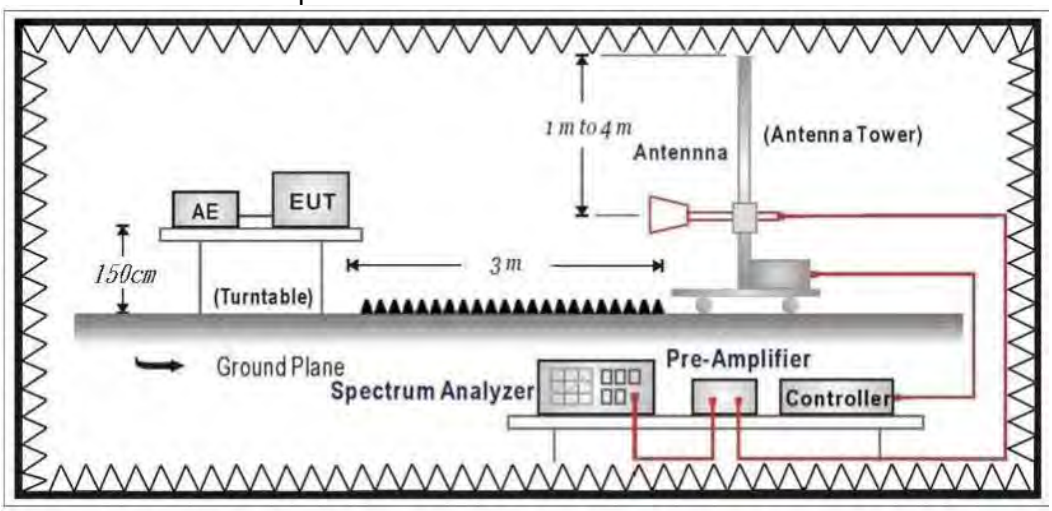
Under 30MHz Test Setup:



Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	dBuV/m	dBuV/m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.3. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to DTS test procedure of KDB558074 V05 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 1.5 meter above ground(under 1GHz) or 1.5 meter above ground (above 1GHz). The turn table can rotate 360 degrees to determine the position of the maximum emission level.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

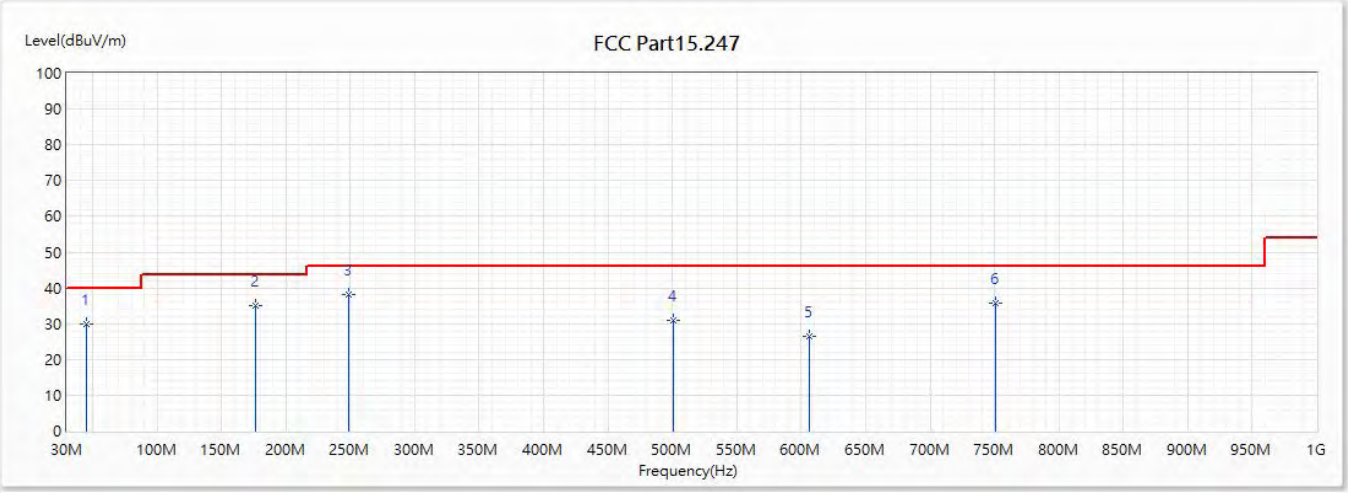
4.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2017

4.5. Test Result

30MHz-1GHz Spurious

Site :	CB4-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/28
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11b_2437MHz		

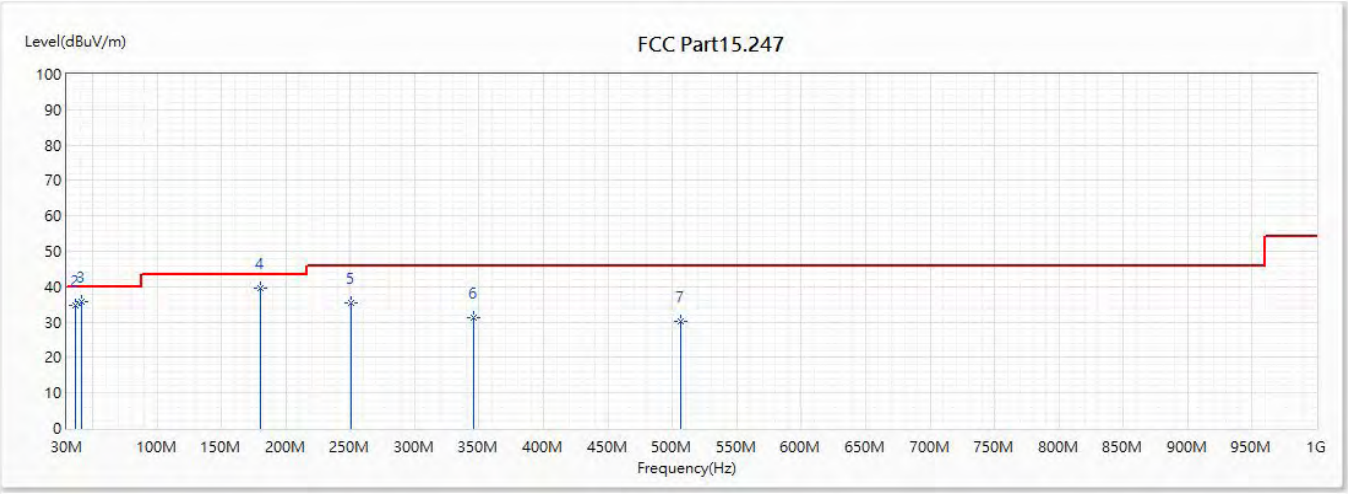


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	45.52	29.76	40.00	-10.24	49.60	-19.84	QP
2	176.47	35.02	43.50	-8.48	56.74	-21.72	QP
* 3	248.25	38.01	46.00	-7.99	59.14	-21.13	QP
4	500.45	31.09	46.00	-14.91	45.72	-14.63	QP
5	606.18	26.63	46.00	-19.37	38.13	-11.50	QP
6	750.70	35.78	46.00	-10.22	46.98	-11.20	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The emission form 9KHz to 30MHz Radiated emission were not show in the test report, because Pre-scan lower than the limit line.

Site :	CB4-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/28
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11b_2437MHz		

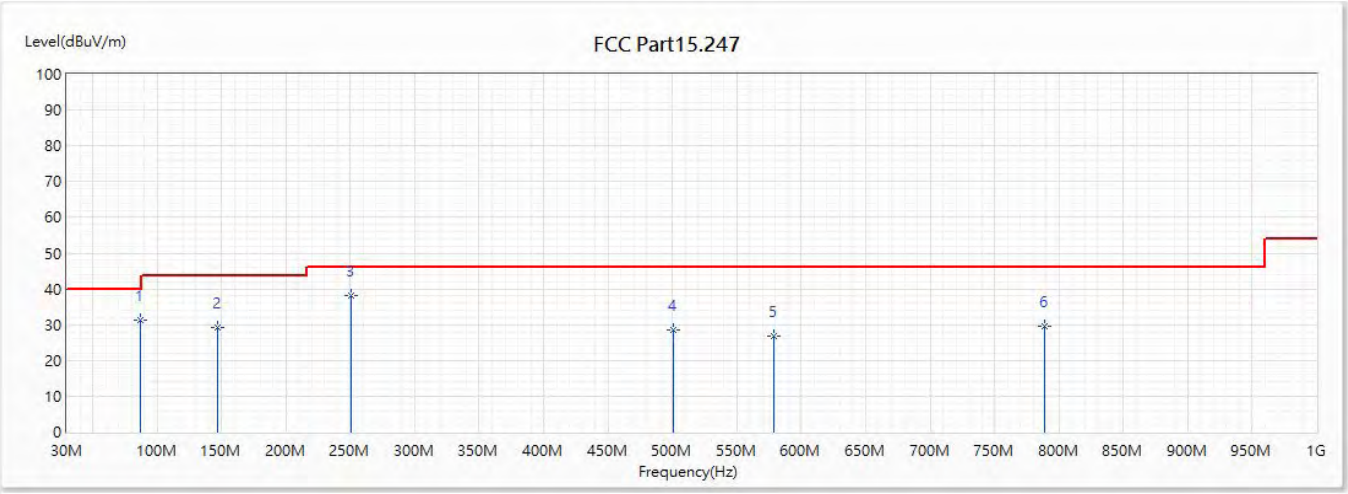


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	36.79	34.58	40.00	-5.42	50.60	-16.02	QP
2	41.64	35.82	40.00	-4.18	52.90	-17.08	QP
* 3	180.35	39.43	43.50	-4.07	61.54	-22.11	QP
4	250.19	35.45	46.00	-10.55	56.26	-20.81	QP
5	345.25	31.31	46.00	-14.69	49.18	-17.87	QP
6	506.27	30.04	46.00	-15.96	44.49	-14.45	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The emission form 9KHz to 30MHz Radiated emission were not show in the test report, because Pre-scan lower than the limit line.

Site :	CB4-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/28
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11g_2437MHz		

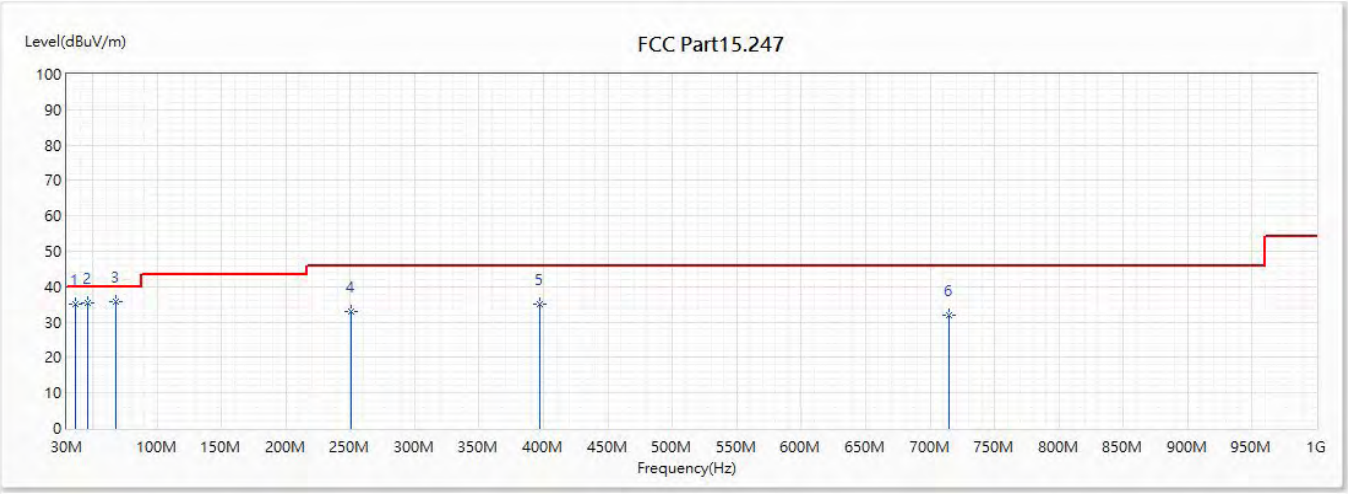


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	87.23	31.25	40.00	-8.75	56.55	-25.30	QP
2	147.37	29.07	43.50	-14.43	50.75	-21.68	QP
* 3	250.19	37.99	46.00	-8.01	58.80	-20.81	QP
4	500.45	28.37	46.00	-17.63	43.00	-14.63	QP
5	579.02	26.92	46.00	-19.08	40.03	-13.11	QP
6	788.54	29.59	46.00	-16.41	40.24	-10.65	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The emission form 9KHz to 30MHz Radiated emission were not show in the test report, because Pre-scan lower than the limit line.

Site :	CB4-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/28
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11g_2437MHz		

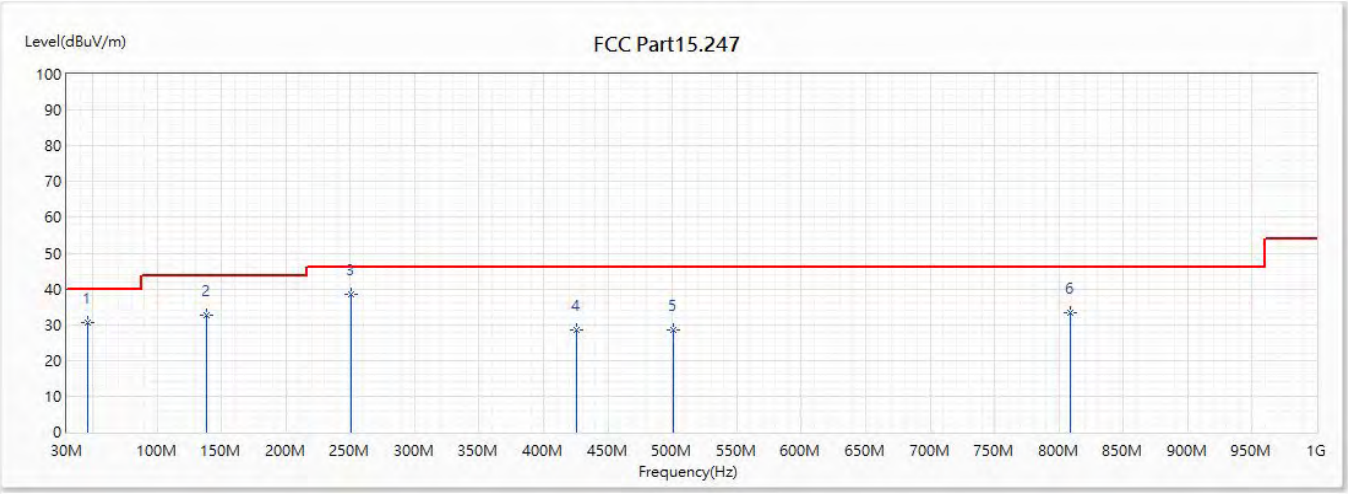


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	36.79	35.24	40.00	-4.76	51.26	-16.02	QP
2	46.49	35.37	40.00	-4.63	55.92	-20.55	QP
* 3	67.83	35.89	40.00	-4.11	62.56	-26.67	QP
4	250.19	32.99	46.00	-13.01	53.80	-20.81	QP
5	396.66	34.90	46.00	-11.10	51.16	-16.26	QP
6	714.82	31.82	46.00	-14.18	44.19	-12.37	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The emission form 9KHz to 30MHz Radiated emission were not show in the test report, because Pre-scan lower than the limit line.

Site :	CB4-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/28
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(20M)_2437MHz		

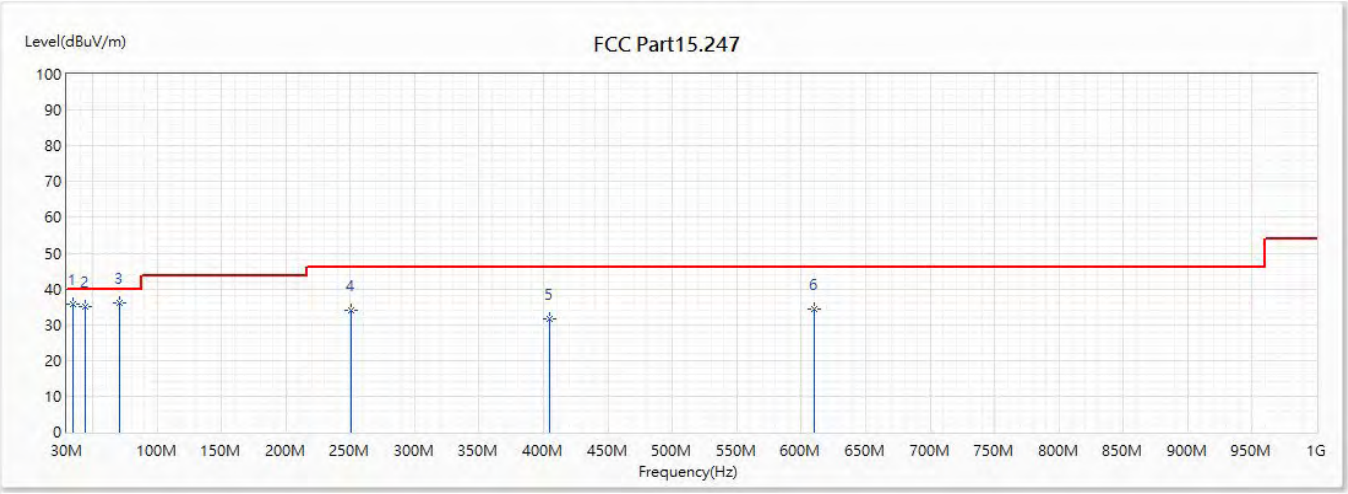


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	46.49	30.71	40.00	-9.29	51.26	-20.55	QP
2	138.64	32.62	43.50	-10.88	54.02	-21.40	QP
* 3	250.19	38.39	46.00	-7.61	59.20	-20.81	QP
4	425.76	28.55	46.00	-17.45	44.06	-15.51	QP
5	500.45	28.36	46.00	-17.64	42.99	-14.63	QP
6	808.91	33.42	46.00	-12.58	43.86	-10.44	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The emission form 9KHz to 30MHz Radiated emission were not show in the test report, because Pre-scan lower than the limit line.

Site :	CB4-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/28
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(20M)_2437MHz		

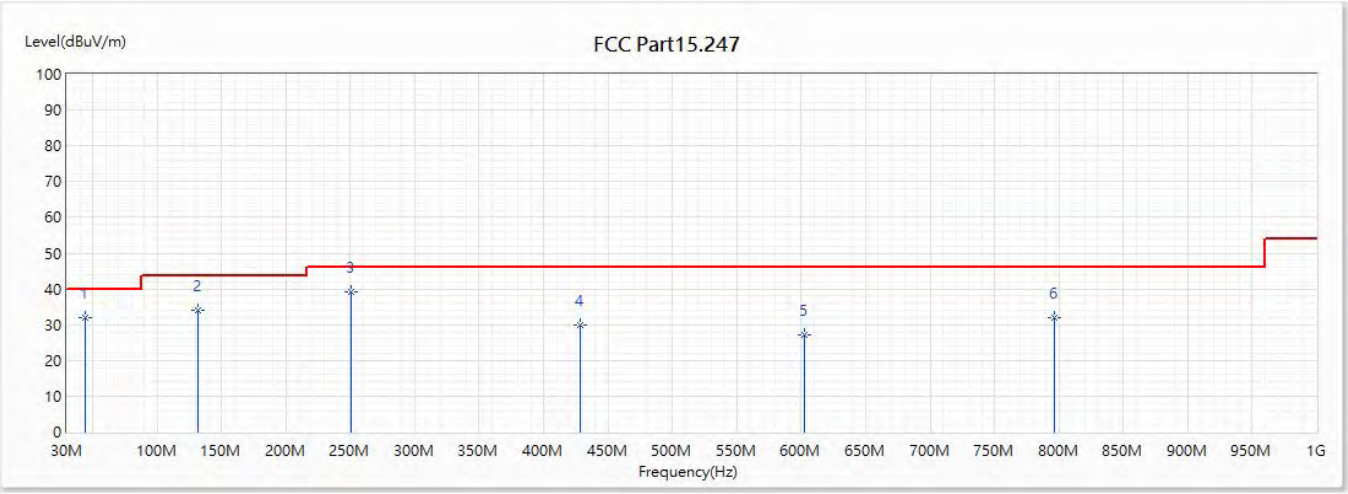


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	34.85	35.60	40.00	-4.40	51.47	-15.87	QP
2	44.55	35.21	40.00	-4.79	54.32	-19.11	QP
* 3	70.74	35.97	40.00	-4.03	62.73	-26.76	QP
4	250.19	34.19	46.00	-11.81	55.00	-20.81	QP
5	404.42	31.56	46.00	-14.44	47.93	-16.37	QP
6	610.06	34.26	46.00	-11.74	46.34	-12.08	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The emission form 9KHz to 30MHz Radiated emission were not show in the test report, because Pre-scan lower than the limit line.

Site :	CB4-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/28
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(40M)_2437MHz		

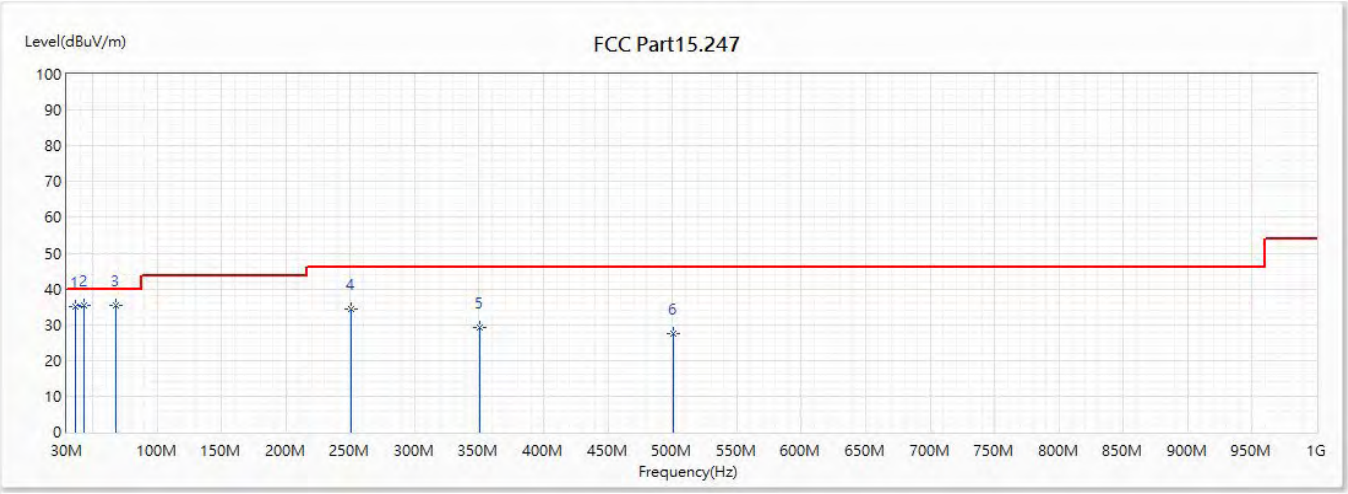


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	44.55	32.06	40.00	-7.94	51.17	-19.11	QP
2	131.85	34.16	43.50	-9.34	56.79	-22.63	QP
* 3	250.19	39.13	46.00	-6.87	59.94	-20.81	QP
4	428.67	30.01	46.00	-15.99	45.68	-15.67	QP
5	602.3	27.19	46.00	-18.81	38.78	-11.59	QP
6	796.3	32.06	46.00	-13.94	42.55	-10.49	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The emission form 9KHz to 30MHz Radiated emission were not show in the test report, because Pre-scan lower than the limit line.

Site :	CB4-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/28
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(40M)_2437MHz		



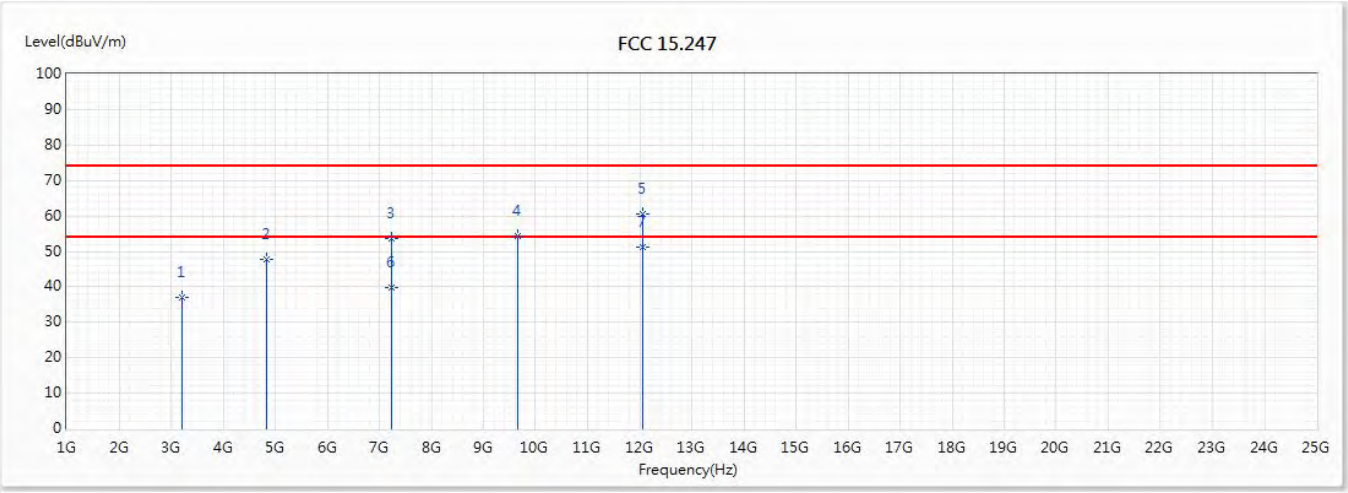
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	36.79	35.01	40.00	-4.99	51.03	-16.02	QP
* 2	43.58	35.24	40.00	-4.76	53.71	-18.47	QP
3	67.83	35.24	40.00	-4.76	61.91	-26.67	QP
4	250.19	34.23	46.00	-11.77	55.04	-20.81	QP
5	350.1	29.15	46.00	-16.85	46.54	-17.39	QP
6	500.45	27.49	46.00	-18.51	42.12	-14.63	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The emission form 9KHz to 30MHz Radiated emission were not show in the test report, because Pre-scan lower than the limit line.

Above 1GHz Spurious

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/3
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11b_2412MHz		

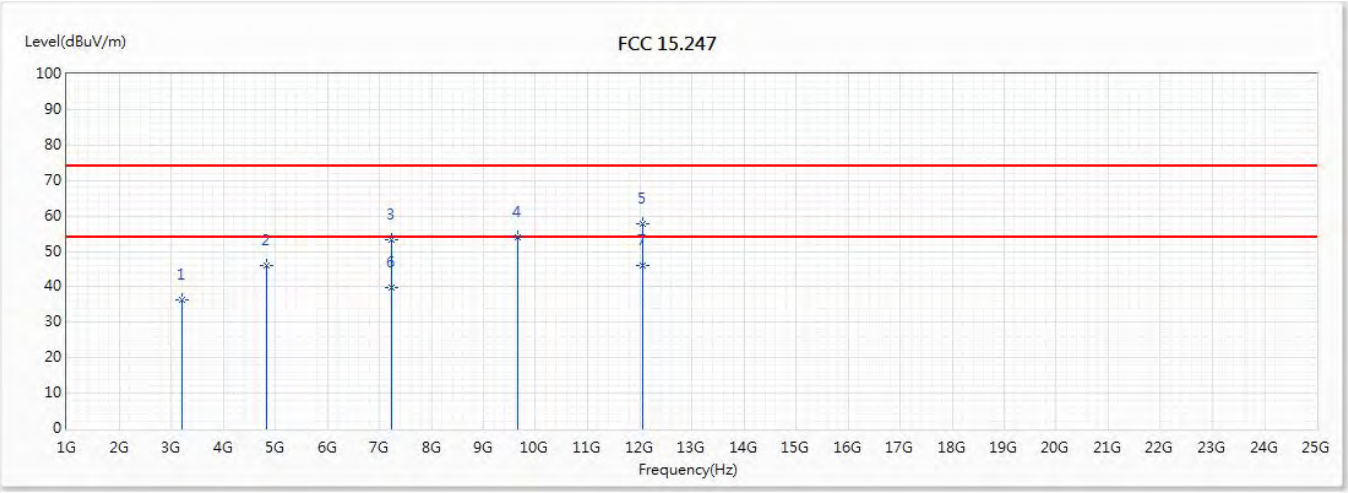


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3216.659	36.97	74.00	-37.03	45.58	-8.61	PK
2	4824	47.87	74.00	-26.13	52.09	-4.22	PK
3	7239.996	53.65	74.00	-20.35	49.62	4.03	PK
4	9656.472	54.31	74.00	-19.69	46.37	7.94	PK
5	12059.121	60.56	74.00	-13.44	50.30	10.26	PK
6	7239.996	39.95	54.00	-14.05	35.92	4.03	AV
* 7	12059.121	51.26	54.00	-2.74	41.00	10.26	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/3
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11b_2412MHz		

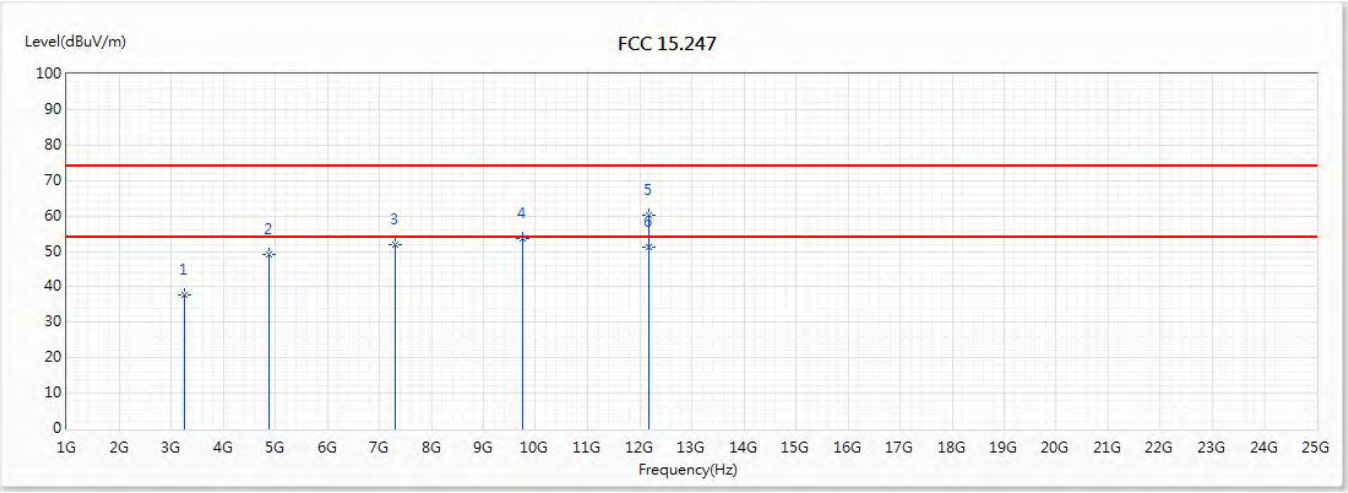


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3219.606	36.38	74.00	-37.62	44.98	-8.60	PK
2	4824	46.11	74.00	-27.89	50.33	-4.22	PK
3	7235.181	53.37	74.00	-20.63	49.36	4.01	PK
4	9647.72	54.08	74.00	-19.92	46.15	7.93	PK
5	12057.962	57.69	74.00	-16.31	47.43	10.26	PK
6	7235.181	39.95	54.00	-14.05	35.94	4.01	AV
* 7	12057.962	46.08	54.00	-7.92	35.82	10.26	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/3
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11b_2437MHz		

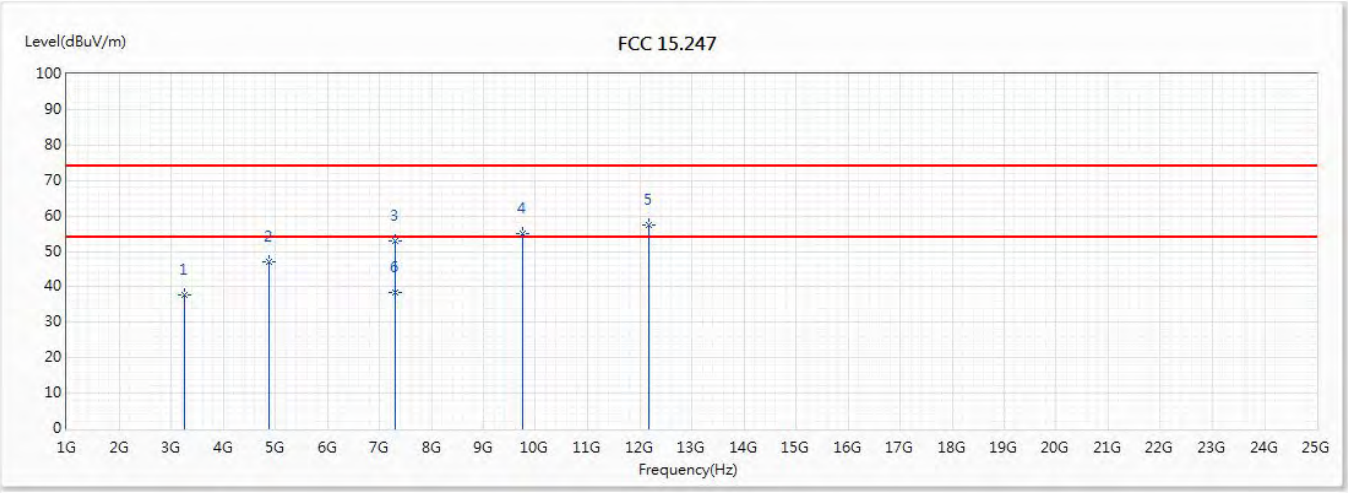


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3251.617	37.67	74.00	-36.33	46.23	-8.56	PK
2	4873.62	49.00	74.00	-25.00	53.03	-4.03	PK
3	7316.455	51.78	74.00	-22.22	47.45	4.33	PK
4	9750.018	53.75	74.00	-20.25	45.63	8.12	PK
5	12186.479	60.25	74.00	-13.75	50.17	10.08	PK
* 6	12186.479	51.09	54.00	-2.91	41.01	10.08	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/3
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11b_2437MHz		

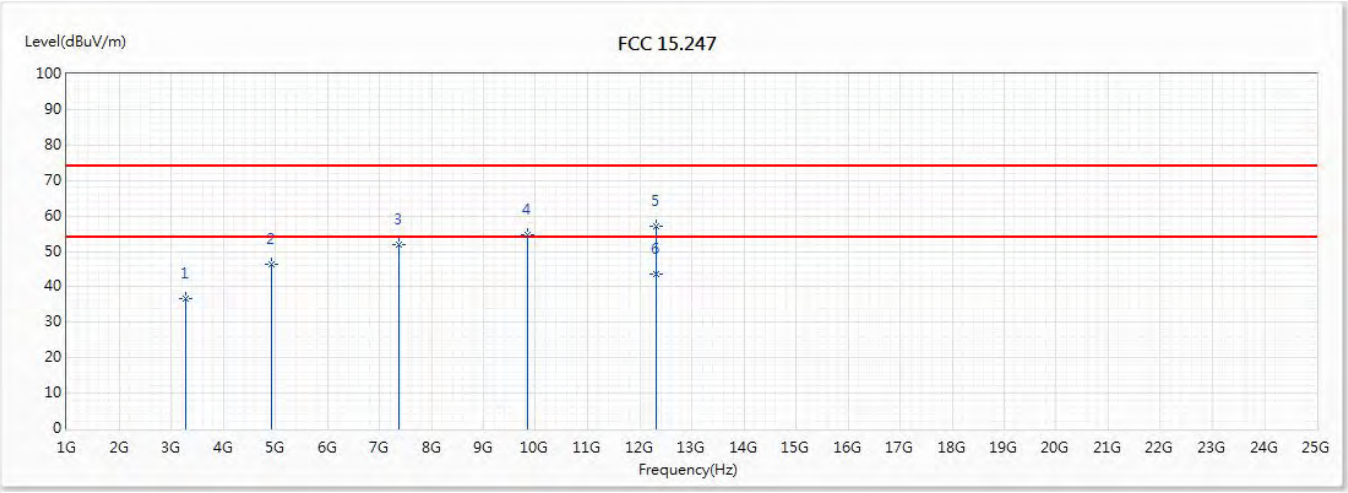


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3251.637	37.78	74.00	-36.22	46.34	-8.56	PK
2	4873.96	46.97	74.00	-27.03	51.00	-4.03	PK
3	7307.713	52.95	74.00	-21.05	48.64	4.31	PK
4	9748.17	55.01	74.00	-18.99	46.89	8.12	PK
5	12186.928	57.53	74.00	-16.47	47.44	10.09	PK
* 6	7307.713	38.30	54.00	-15.70	33.99	4.31	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/3
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11b_2462MHz		

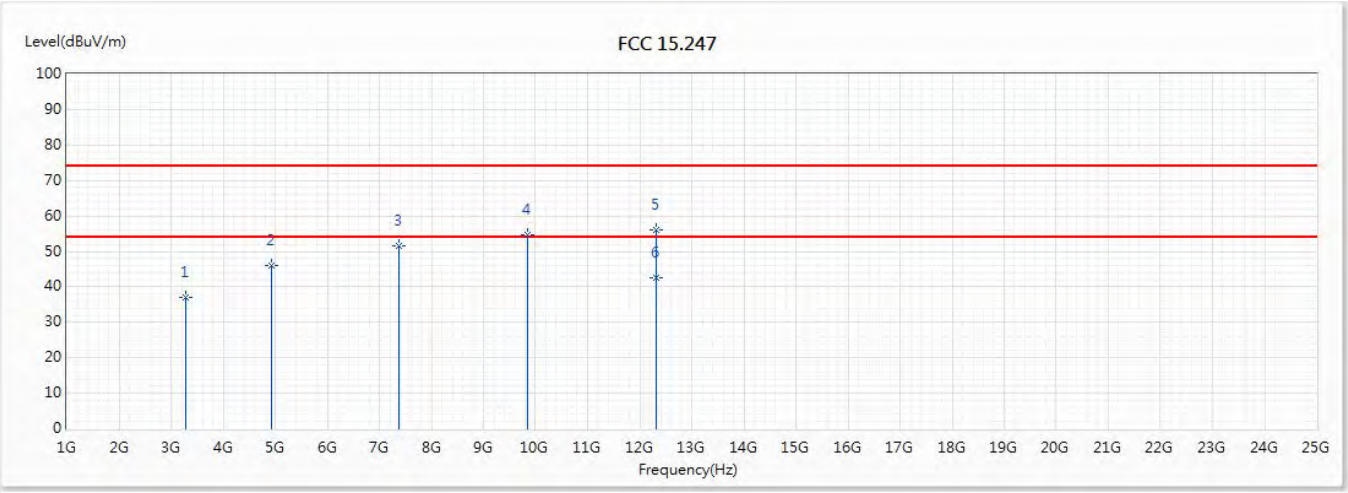


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3281.791	36.74	74.00	-37.26	45.27	-8.53	PK
2	4927.996	46.41	74.00	-27.59	50.25	-3.84	PK
3	7386.17	51.93	74.00	-22.07	47.36	4.57	PK
4	9846.202	54.68	74.00	-19.32	46.47	8.21	PK
5	12307.952	56.96	74.00	-17.04	47.08	9.88	PK
* 6	12307.952	43.60	54.00	-10.40	33.72	9.88	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/3
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11b_2462MHz		

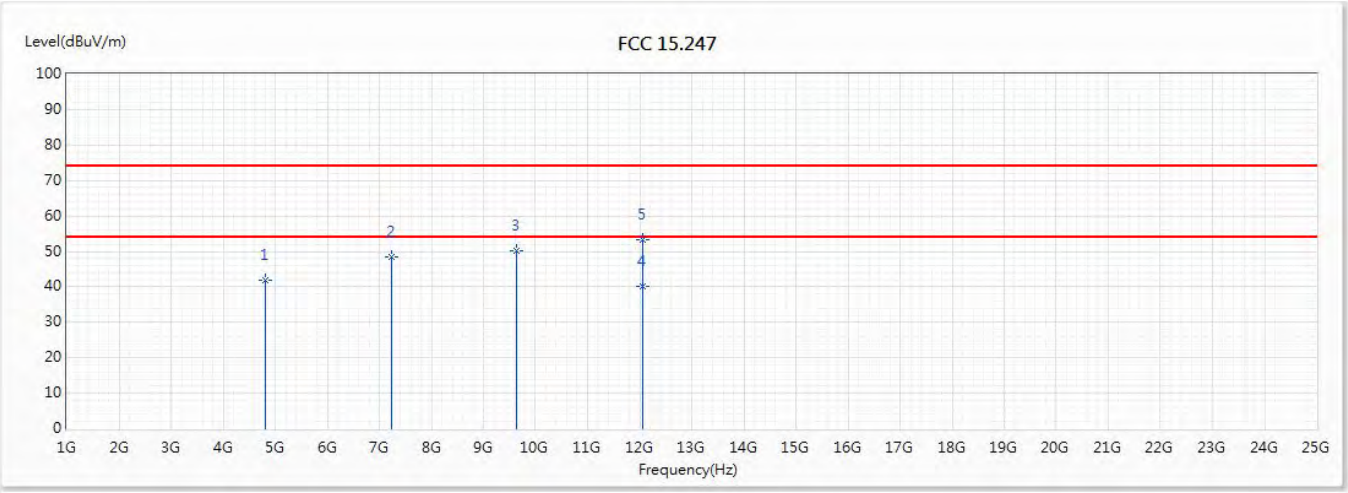


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3279.133	37.09	74.00	-36.91	45.62	-8.53	PK
2	4923.73	46.15	74.00	-27.85	50.01	-3.86	PK
3	7385.56	51.69	74.00	-22.31	47.12	4.57	PK
4	9845.033	54.61	74.00	-19.39	46.40	8.21	PK
5	12308.032	56.10	74.00	-17.90	46.22	9.88	PK
* 6	12308.032	42.57	54.00	-11.43	32.69	9.88	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/12
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11g_2412MHz		

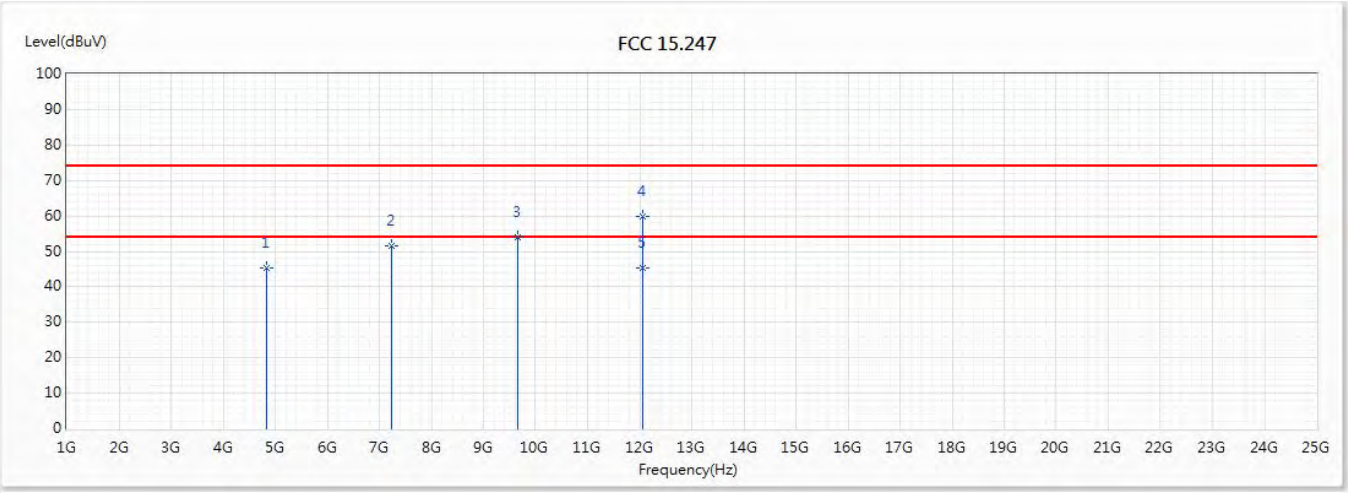


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4820.474	42.00	74.00	-32.00	46.23	-4.23	PK
2	7231.435	48.43	74.00	-25.57	44.43	4.00	PK
3	9646.422	50.34	74.00	-23.66	42.41	7.93	PK
* 4	12064.905	40.11	54.00	-13.89	29.85	10.26	AV
5	12064.905	53.22	74.00	-20.78	42.96	10.26	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/7/24
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11g_2412MHz		

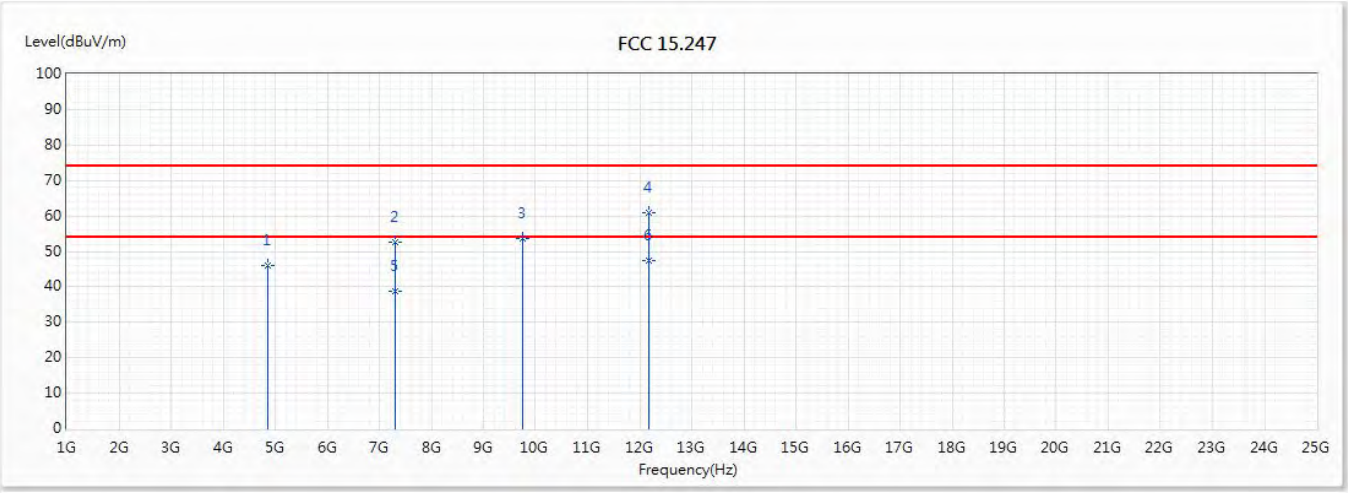


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4829.075	45.48	74.00	-28.52	49.67	-4.19	PK
2	7233.336	51.66	74.00	-22.34	47.65	4.01	PK
3	9650.855	54.12	74.00	-19.88	46.19	7.93	PK
4	12056.923	59.81	74.00	-14.19	49.55	10.26	PK
* 5	12056.923	45.46	54.00	-8.54	35.20	10.26	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/3
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11g_2437MHz		

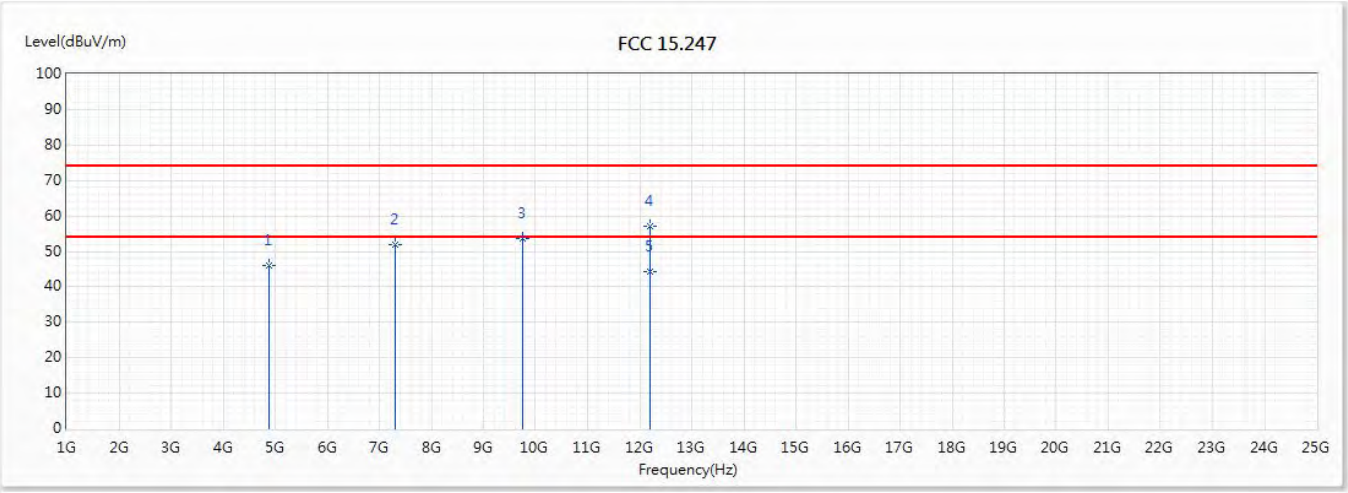


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4865.049	46.05	74.00	-27.95	50.12	-4.07	PK
2	7305.605	52.67	74.00	-21.33	48.37	4.30	PK
3	9745.043	53.49	74.00	-20.51	45.37	8.12	PK
4	12186.159	60.85	74.00	-13.15	50.77	10.08	PK
5	7305.605	38.75	54.00	-15.25	34.45	4.30	AV
* 6	12186.159	47.49	54.00	-6.51	37.41	10.08	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/3
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11g_2437MHz		

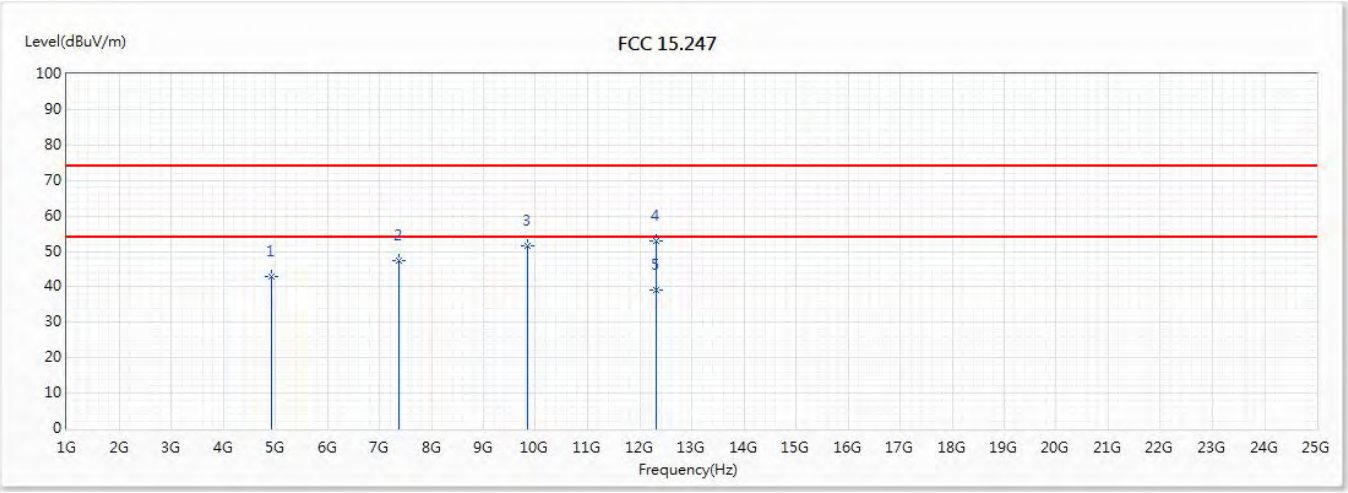


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4870.883	45.85	74.00	-28.15	49.89	-4.04	PK
2	7312.159	51.87	74.00	-22.13	47.55	4.32	PK
3	9746.152	53.55	74.00	-20.45	45.43	8.12	PK
4	12193.871	57.05	74.00	-16.95	46.98	10.07	PK
* 5	12193.871	44.33	54.00	-9.67	34.26	10.07	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/12
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11g_2462MHz		

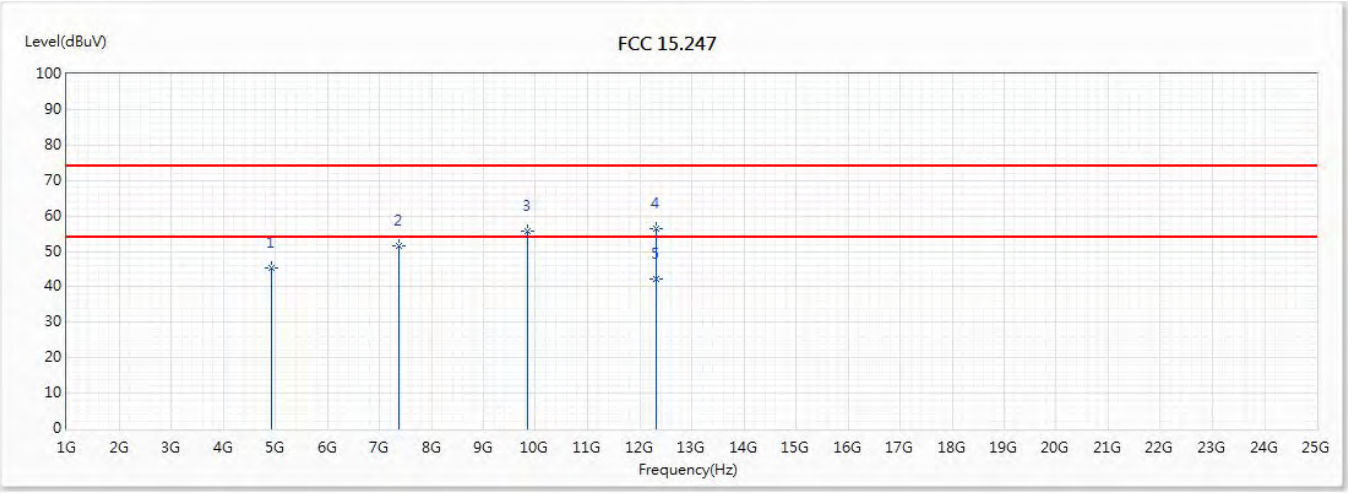


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4920.304	42.75	74.00	-31.25	46.62	-3.87	PK
2	7382.763	47.41	74.00	-26.59	42.84	4.57	PK
3	9850.288	51.40	74.00	-22.60	43.19	8.21	PK
4	12309.001	52.97	74.00	-21.03	43.09	9.88	PK
* 5	12309.001	39.23	54.00	-14.77	29.35	9.88	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/7/24
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11g_2462MHz		

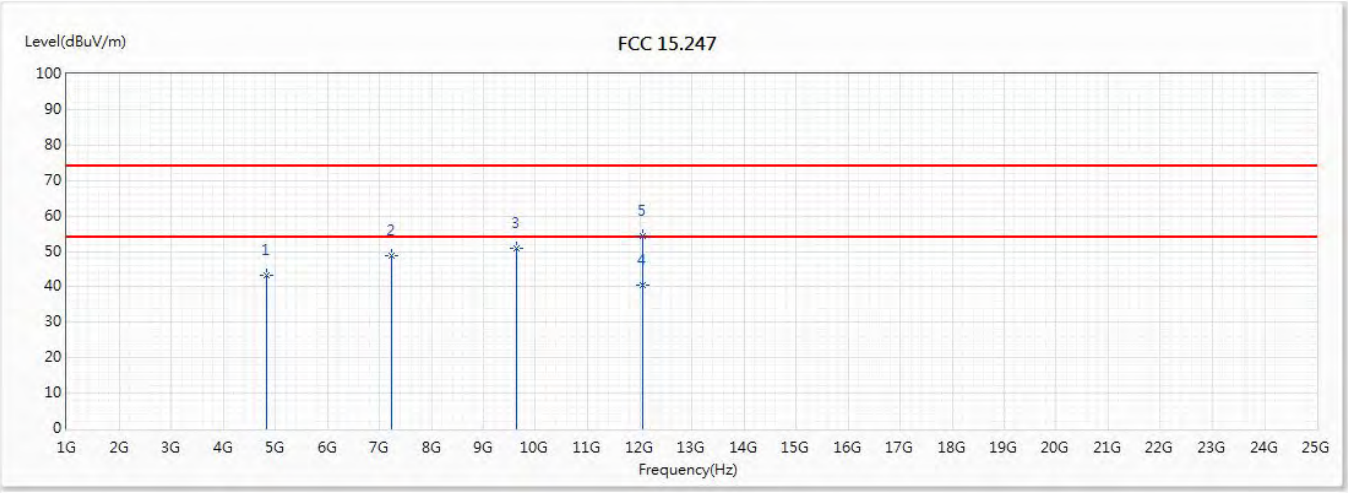


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4925.499	45.18	74.00	-28.82	49.03	-3.85	PK
2	7381.744	51.56	74.00	-22.44	47.00	4.56	PK
3	9847.94	55.64	74.00	-18.36	47.43	8.21	PK
4	12319.191	56.55	74.00	-17.45	46.69	9.86	PK
* 5	12319.191	42.24	54.00	-11.76	32.38	9.86	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/12
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(20M)_2412MHz		

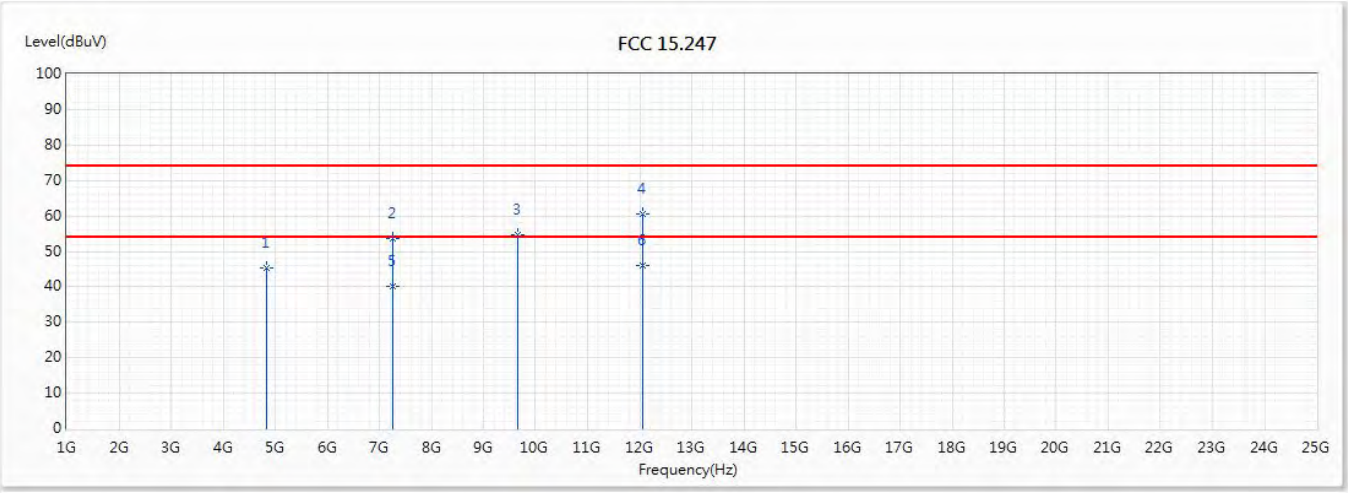


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4826.907	43.22	74.00	-30.78	47.42	-4.20	PK
2	7236.15	48.88	74.00	-25.12	44.87	4.01	PK
3	9643.624	51.03	74.00	-22.97	43.11	7.92	PK
* 4	12055.485	40.38	54.00	-13.62	30.12	10.26	AV
5	12055.485	54.42	74.00	-19.58	44.16	10.26	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/7/24
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(20M)_2412MHz		

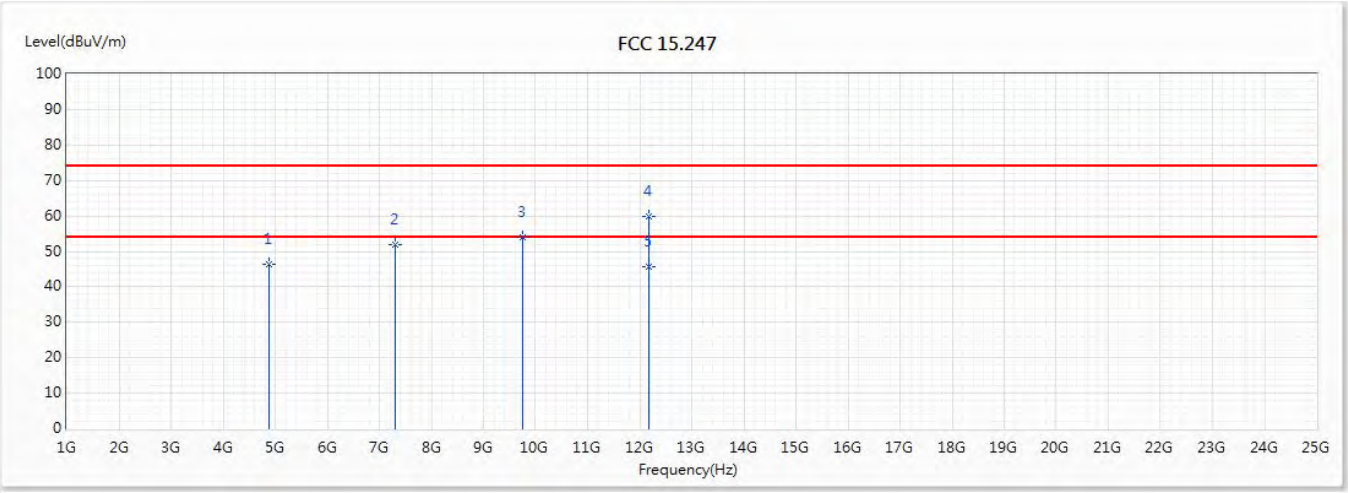


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4826.977	45.21	74.00	-28.79	49.41	-4.20	PK
2	7253.143	53.57	74.00	-20.43	49.48	4.09	PK
3	9660.527	54.59	74.00	-19.41	46.65	7.94	PK
4	12058.861	60.51	74.00	-13.49	50.25	10.26	PK
5	7253.143	40.24	54.00	-13.76	36.15	4.09	AV
* 6	12058.861	45.88	54.00	-8.12	35.62	10.26	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/3
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(20M)_2437MHz		

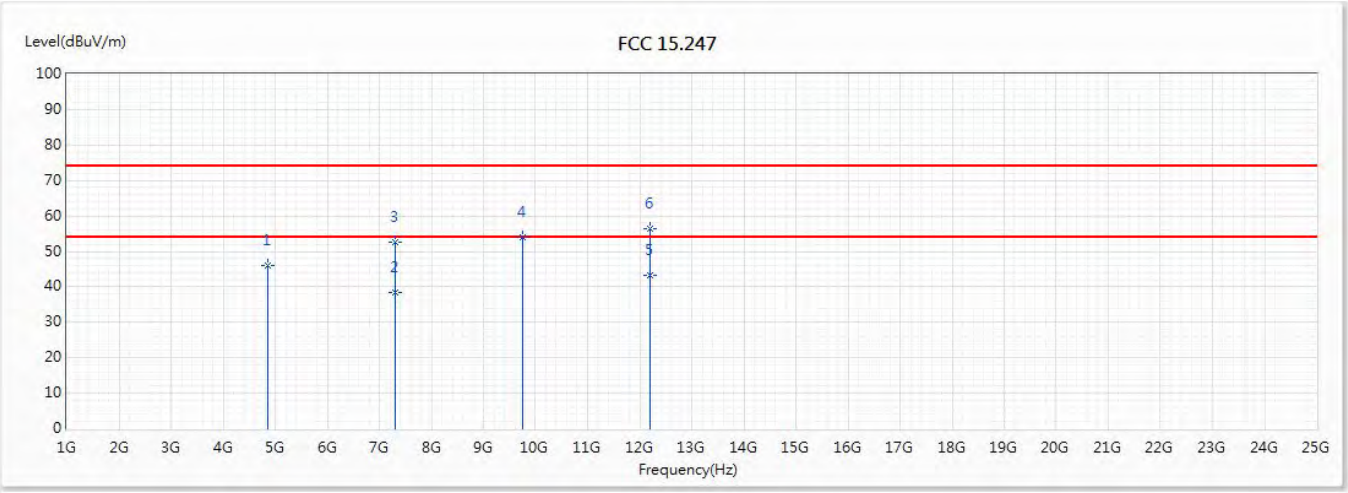


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4870.763	46.29	74.00	-27.71	50.33	-4.04	PK
2	7307.434	51.82	74.00	-22.18	47.51	4.31	PK
3	9744.883	53.92	74.00	-20.08	45.80	8.12	PK
4	12185.02	59.80	74.00	-14.20	49.72	10.08	PK
* 5	12185.02	45.63	54.00	-8.37	35.55	10.08	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/3
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(20M)_2437MHz		

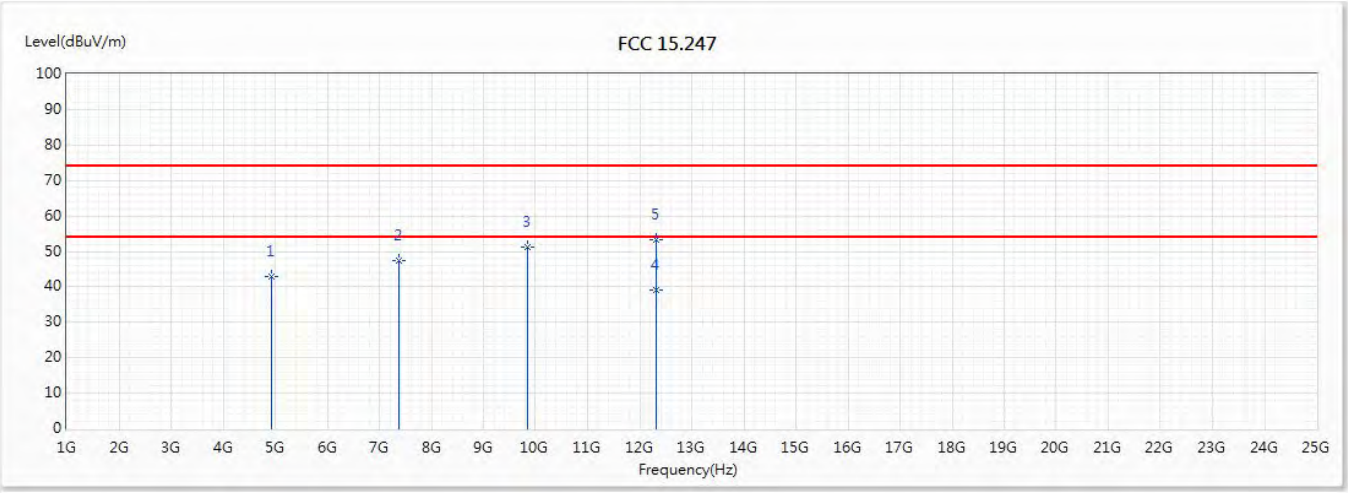


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4869.055	45.96	74.00	-28.04	50.01	-4.05	PK
2	7314.586	38.32	54.00	-15.68	33.99	4.33	AV
3	7314.586	52.49	74.00	-21.51	48.16	4.33	PK
4	9748.709	53.93	74.00	-20.07	45.81	8.12	PK
* 5	12188.986	43.30	54.00	-10.70	33.21	10.09	AV
6	12188.986	56.41	74.00	-17.59	46.32	10.09	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/12
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(20M)_2462MHz		

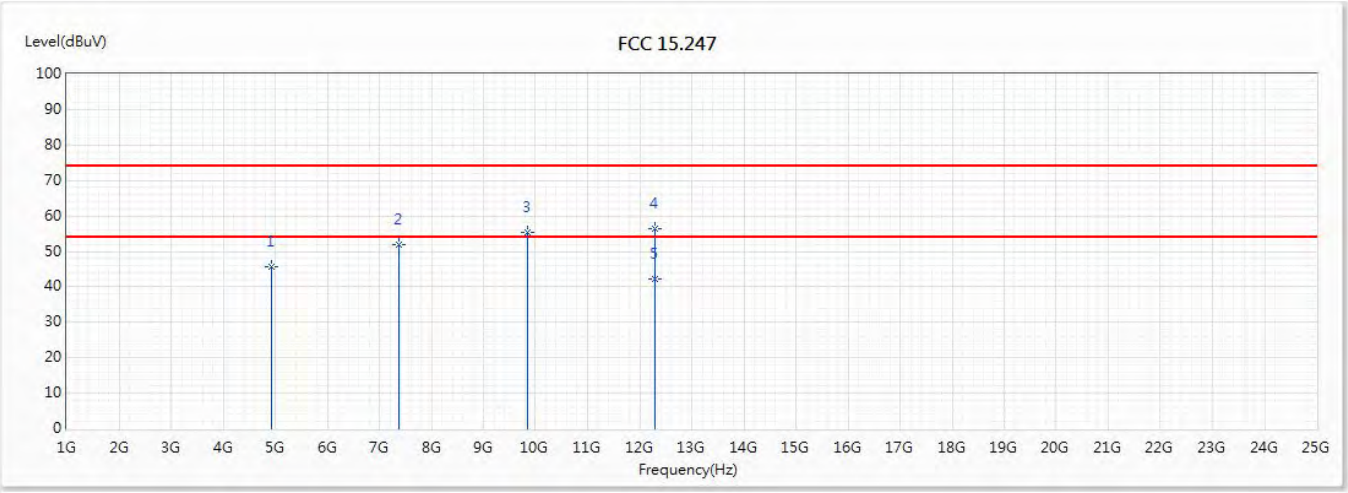


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4926.517	42.88	74.00	-31.12	46.73	-3.85	PK
2	7383.483	47.41	74.00	-26.59	42.84	4.57	PK
3	9847.85	51.27	74.00	-22.73	43.06	8.21	PK
* 4	12312.378	39.21	54.00	-14.79	29.34	9.87	AV
5	12312.378	53.45	74.00	-20.55	43.58	9.87	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/7/24
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(20M)_2462MHz		

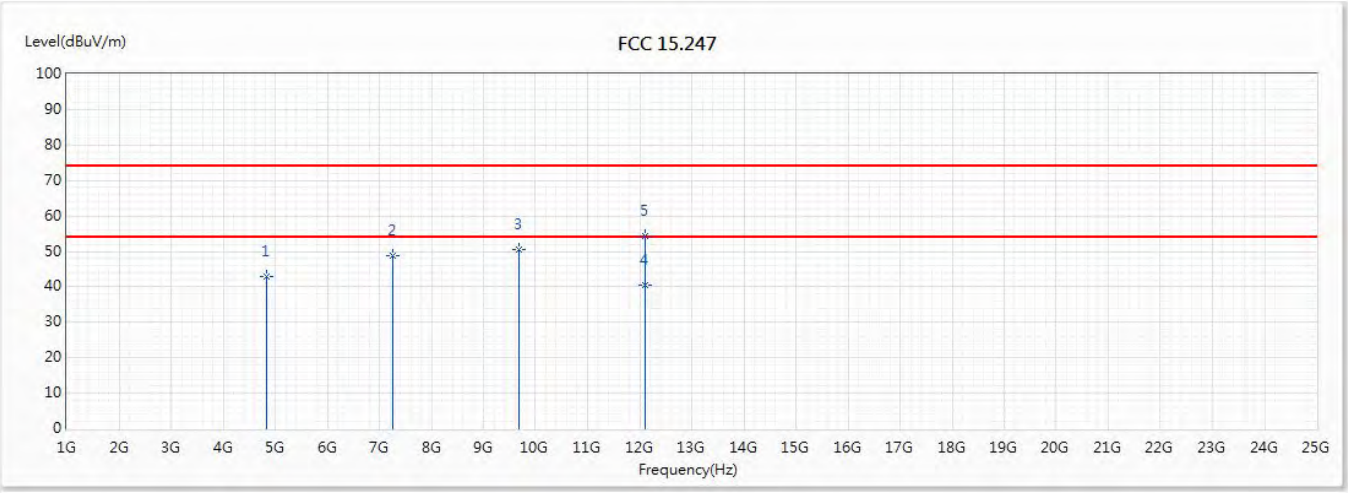


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4918.236	45.55	74.00	-28.45	49.42	-3.87	PK
2	7384.062	51.80	74.00	-22.20	47.23	4.57	PK
3	9848.24	55.24	74.00	-18.76	47.03	8.21	PK
4	12298.492	56.39	74.00	-17.61	46.49	9.90	PK
* 5	12298.492	42.15	54.00	-11.85	32.25	9.90	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/12
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(40M)_2422MHz		

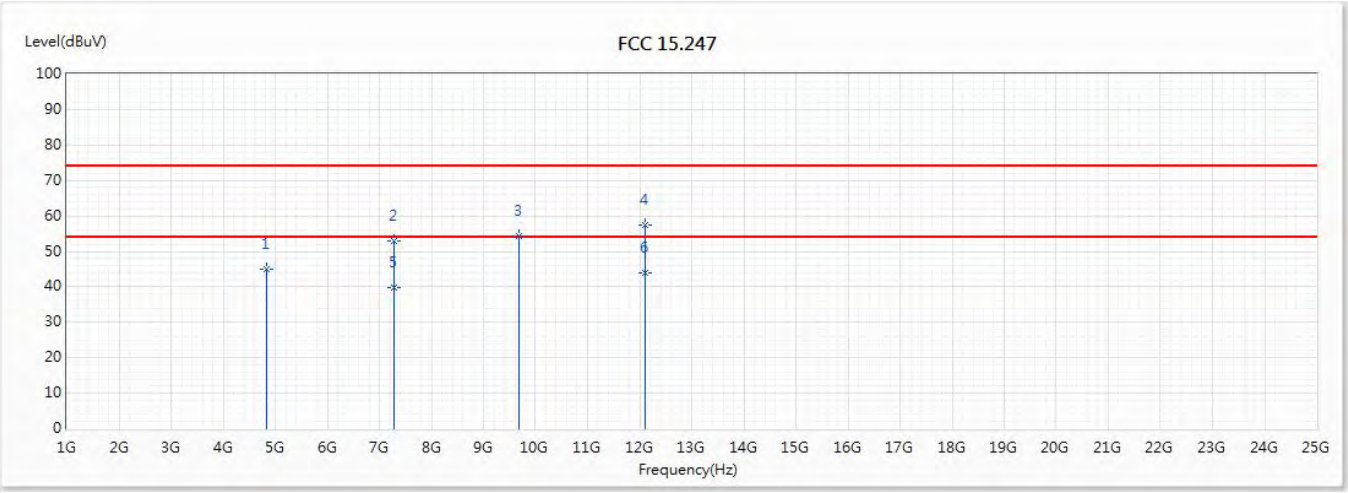


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4842.901	42.91	74.00	-31.09	47.05	-4.14	PK
2	7268.118	48.69	74.00	-25.31	44.53	4.16	PK
3	9684.034	50.60	74.00	-23.40	42.62	7.98	PK
* 4	12110.01	40.37	54.00	-13.63	30.18	10.19	AV
5	12110.01	54.36	74.00	-19.64	44.17	10.19	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/7/24
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(40M)_2422MHz		

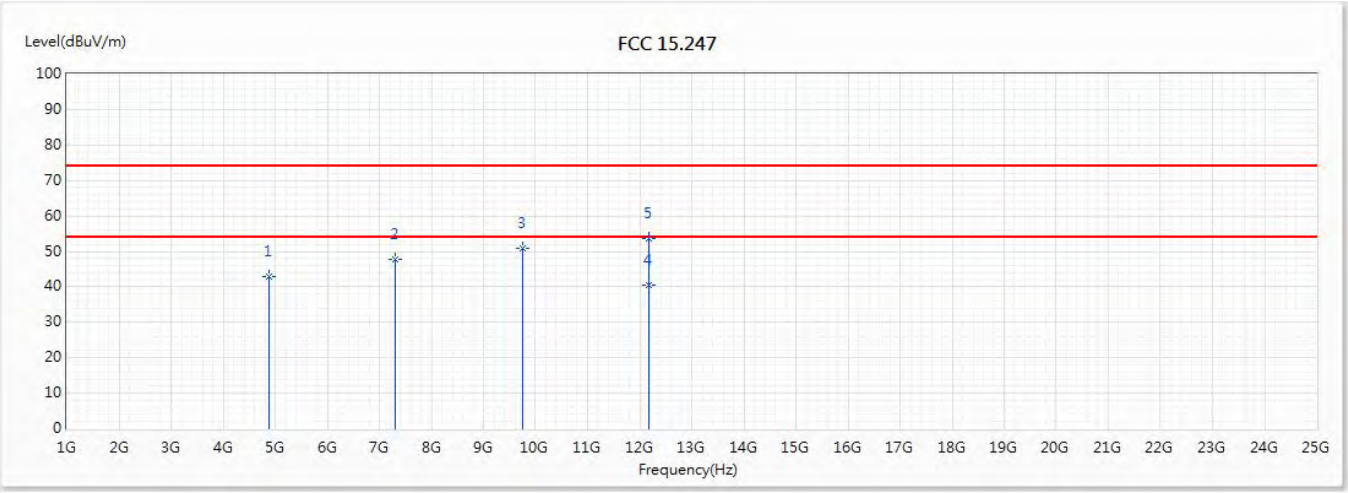


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4834.575	45.09	74.00	-28.91	49.27	-4.18	PK
2	7271.934	52.92	74.00	-21.08	48.75	4.17	PK
3	9692.146	54.30	74.00	-19.70	46.30	8.00	PK
4	12099.74	57.28	74.00	-16.72	47.08	10.20	PK
5	7271.934	39.80	54.00	-14.20	35.63	4.17	AV
* 6	12099.74	44.02	54.00	-9.98	33.82	10.20	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/12
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(40M)_2437MHz		

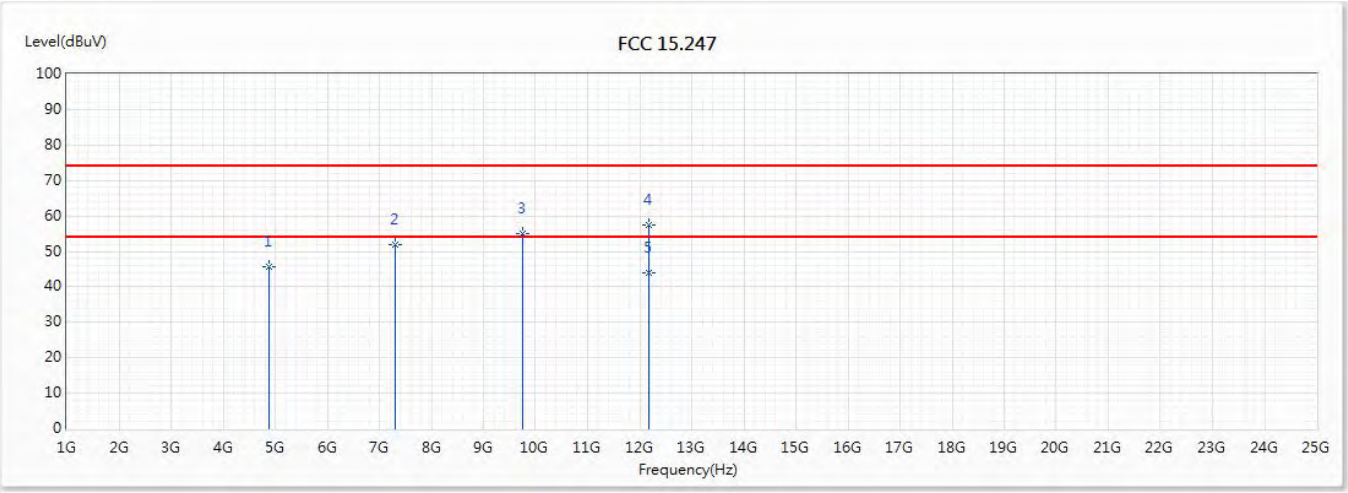


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4878.705	42.90	74.00	-31.10	46.92	-4.02	PK
2	7310.221	47.86	74.00	-26.14	43.54	4.32	PK
3	9744.104	51.01	74.00	-22.99	42.89	8.12	PK
* 4	12181.434	40.33	54.00	-13.67	30.24	10.09	AV
5	12181.434	53.77	74.00	-20.23	43.68	10.09	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/7/24
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(40M)_2437MHz		

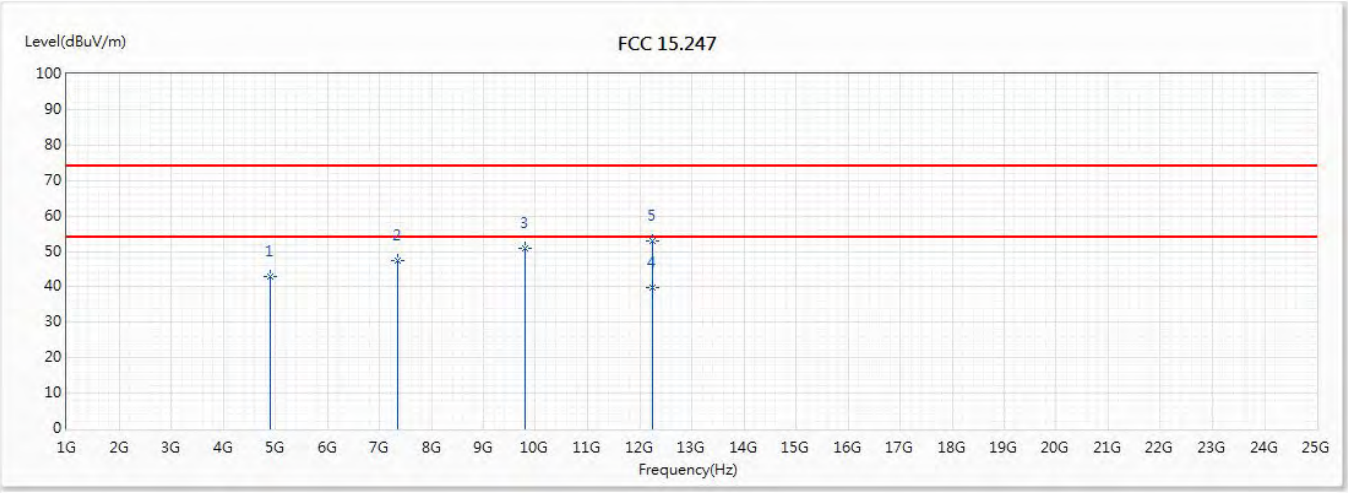


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4876.592	45.66	74.00	-28.34	49.69	-4.03	PK
2	7308.727	51.82	74.00	-22.18	47.51	4.31	PK
3	9748.02	55.16	74.00	-18.84	47.04	8.12	PK
4	12182.413	57.61	74.00	-16.39	47.53	10.08	PK
* 5	12182.413	43.86	54.00	-10.14	33.78	10.08	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/8/12
Test Voltage :	AC 120V/60Hz	Polarity :	Horizontal
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(40M)_2452MHz		

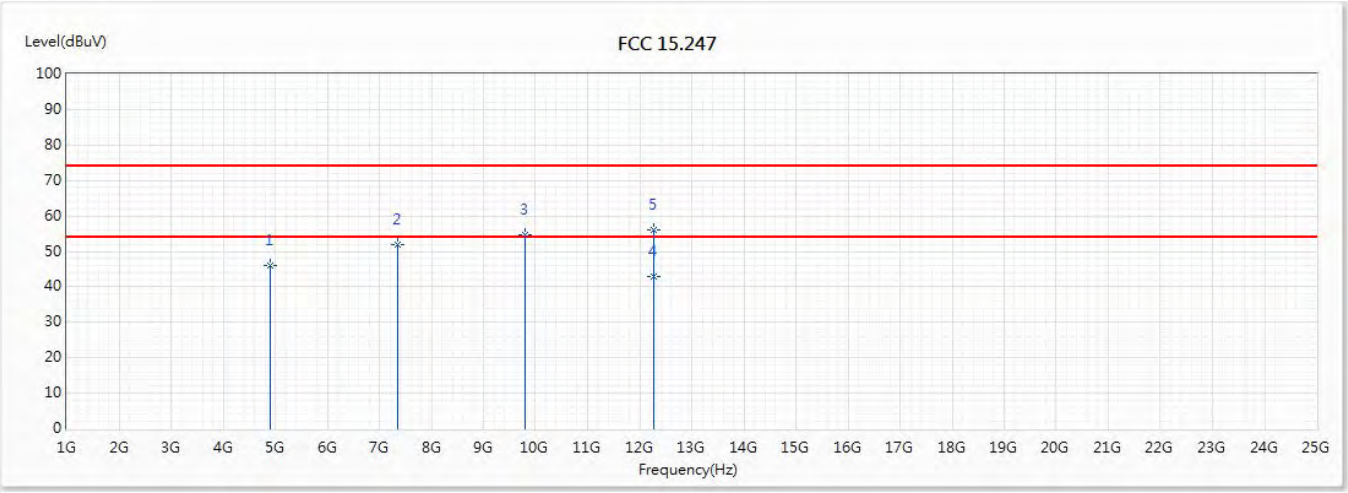


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4899.285	42.85	74.00	-31.15	46.79	-3.94	PK
2	7352.713	47.28	74.00	-26.72	42.82	4.46	PK
3	9810.298	50.99	74.00	-23.01	42.81	8.18	PK
* 4	12257.932	39.78	54.00	-14.22	29.81	9.97	AV
5	12257.932	52.94	74.00	-21.06	42.97	9.97	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site :	CB2-H	Engineer :	Mark
Model No :	RT-AC85P	Test Date :	2018/7/24
Test Voltage :	AC 120V/60Hz	Polarity :	Vertical
Test Mode :	Mode 1: Transmit Mode_CDD_WA-30P12FU		
Note :	802.11n(40M)_2452MHz		



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	4904.06	45.90	74.00	-28.10	49.82	-3.92	PK
2	7352.134	51.88	74.00	-22.12	47.42	4.46	PK
3	9808.18	54.82	74.00	-19.18	46.65	8.17	PK
* 4	12262.148	43.04	54.00	-10.96	33.09	9.95	AV
5	12262.148	56.11	74.00	-17.89	46.16	9.95	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.