

FCC Test Report

Product Name : Wireless-AC2900 Dual Band Gigabit Router
Trade Name : ASUS
Model No. : RT-AC86U, RT-AC68U Extreme,
RT-AC86A, RT-AC86P, RT-AC86R,
RT-AC86X, RT-AC2900, AC2900
FCC ID. : MSQ-RTACHN00

Applicant : ASUSTeK COMPUTER INC.

Address : 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan

Date of Receipt : Feb. 13, 2017

Issued Date : Apr. 11, 2017

Report No. : 1720225R-RFUSP28V00

Report Version : V1.0



The test results relate only to the samples tested.

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Test Report Certification

Issued Date : Apr. 11, 2017

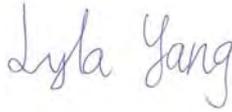
Report No. : 1720225R-RFUSP28V00



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Applicant : ASUSTeK COMPUTER INC.
Address : 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer : ASUSTeK COMPUTER INC.
Model No. : RT-AC86U, RT-AC68U Extreme, RT-AC86A, RT-AC86P,
RT-AC86R, RT-AC86X, RT-AC2900, AC2900
FCC ID. : MSQ-RTACHN00
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: 2015
ANSI C63.10: 2013
KDB 558074 D01 v03r04 / KDB 662911 D01 V02r01
Test Lab : Hsin Chu Laboratory
Test Result : Complied

The test results relate only to the samples tested.

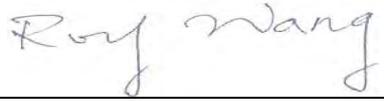
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Revision History

Report No.	Version	Description	Issued Date
1720225R-RFUSP28V00	V1.0	Initial issue of report	Apr. 11, 2017

Laboratory Information

We, **DEKRA Testing and Certification Co., Ltd.**, are an independent RF consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025 specified testing scopes:

Taiwan R.O.C.	:	TAF, Accreditation Number: 3024
USA	:	FCC, Registration Number: 834100
Canada	:	IC, Submission No: 181665 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

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1. General Information

1.1. EUT Description

Product Name	Wireless-AC2900 Dual Band Gigabit Router	
Trade Name	ASUS	
Model No.	RT-AC86U, RT-AC68U Extreme, RT-AC86A, RT-AC86P, RT-AC86R, RT-AC86X, RT-AC2900, AC2900	
Frequency Range/ Channel Number	IEEE 802.11b/g/ IEEE 802.11n (20MHz)	2412~2462MHz / 11 Channels
	IEEE 802.11n (40MHz)	2422~2452MHz / 7Channels
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, 9, 18, 24, 36, 48, 54Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 23 and bandwidth defined in 802.11n

Antenna Information			
Manufacturer	Model No.	Antenna Type	Effective Gain Per Chain [dBi]
WHA YU	C660-510389-A C660-510397-A (Without ASUS logo)	Dipole antenna	2.4GHz Gain: 1.33dBi
Walsin	ASC_RFDPA161300SBLB804 ASC_RFDPA161300SBLB805 ASC_RFDPA161300SBLB806 (Without ASUS logo)	Dipole antenna	2.4GHz Gain: 1.33dBi
Beamforming Gain	4.77 dBi		

Note: All of Dipole antenna with an ASUS logo, except the C660-510397-A and ASC_RFDPA161300SBLB806 antenna. Please find the antenna photograph in attachment.

Accessories Information	
LAN Cable	Non-Shielded, 1.5m
Power Adatper 1 (Level 6)	ASUS, AD890326010-2LF I/P : 100-240V~ 50/60Hz 0.8A O/P : 19V $\overline{=}$ 1.75A Cable Out: Non-Shielded, 2.4m
Power Adatper 2 (Level 6)	ASUS, AD890M26010-3LF I/P : 100-240V~ 50/60Hz 0.8A O/P : 19V $\overline{=}$ 1.75A Cable Out: Non-Shielded, 2.4m
Power Adatper 3 (Level 6)	ASUS, ADP-33AW I/P : 100-240V~1A 50-60Hz O/P : 19V $\overline{=}$ 1.75A Cable Out: Non-shielded, 2.2m

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

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)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								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

Symbol	Explanation
R	Code rate
N _{BPSCS}	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-AC2900 Dual Band Gigabit Router including 2.4GHz b/g/n (3x3) and 5GHz a/n/ac (4x4) transmitting and receiving function.
2. The variation of model number is for different strategy of marketing.
3. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
4. 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.
5. The function of the 5G transmitting is measured and makes a test report of the number: 1720225R-RFUSP43V00.
6. This device is a composite device in accordance with Part 15 regulations. The receiving function was tested and its number is 1720225R-RFUSP01V00.

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.

TX	Mode 1: Tx_ADAP: AD890326010-2LF_ CDD Mode (802.11 b/g) Mode 2: Tx_ADAP: AD890326010-2LF_ MIMO Mode (802.11 n20/40) Mode 3: Tx_ADAP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40) Mode 4: Tx_ADAP: ADP-33AW
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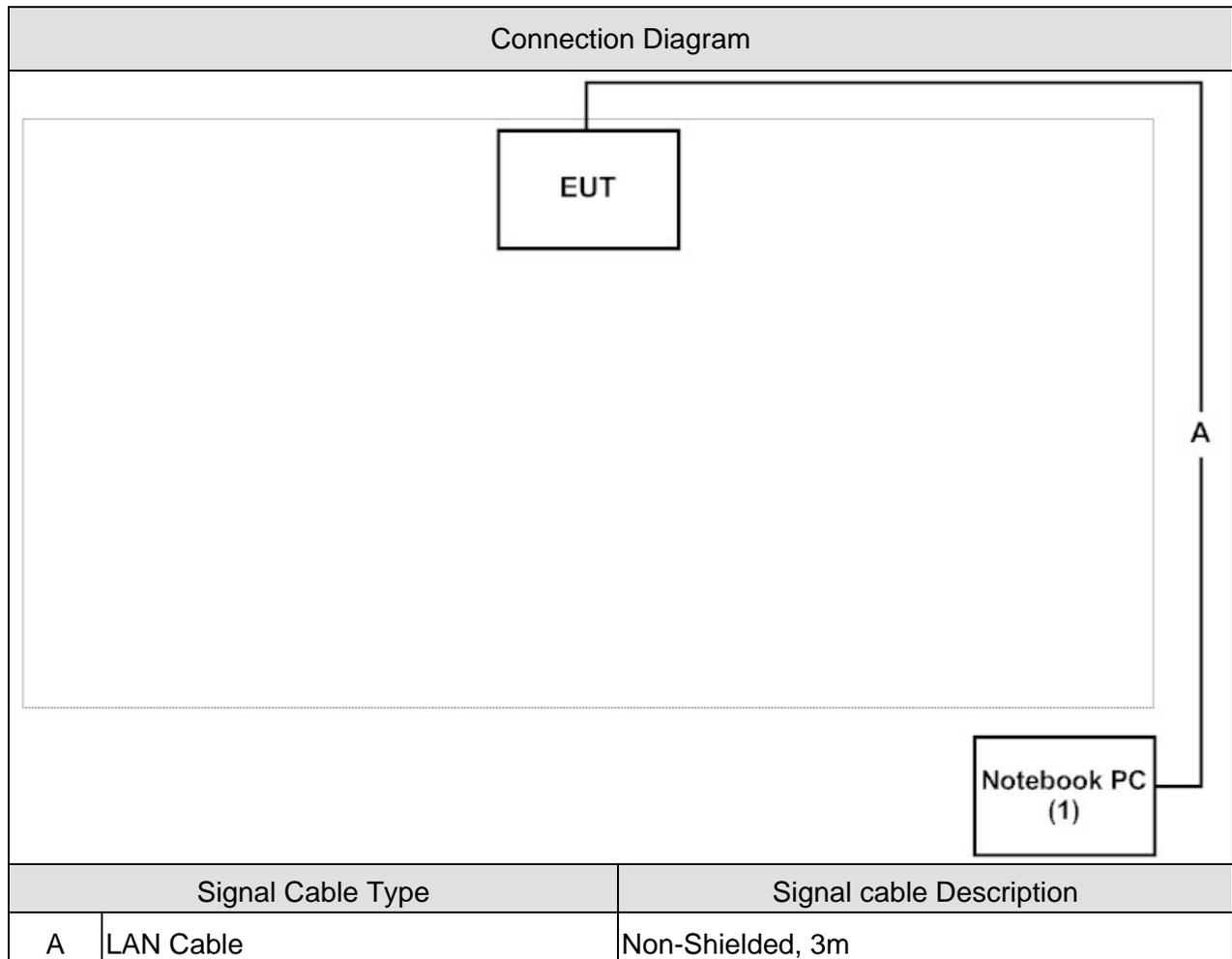
Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1+2	Complies
Peak Power Output	11b/g	1/ 6/ 11	0/1/2	Complies
	11n(20MHz)	1/ 6/ 11	0/1/2	Complies
	11n(40MHz)	3/ 6/ 9	0/1/2	Complies
Radiated Emission	11b/g	1/ 6/ 11	0+1+2	Complies
	11n(20MHz)	1/ 6/ 11	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9	0+1+2	Complies
RF antenna conducted test	11b/g	1/ 6/ 11	0/1/2	Complies
	11n(20MHz)	1/ 6/ 11	0/1/2	Complies
	11n(40MHz)	3/ 6/ 9	0/1/2	Complies
Radiated Emission Band Edge	11b/g	1/ 6/ 11	0+1+2	Complies
	11n(20MHz)	1/ 6/ 11	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9	0+1+2	Complies
DTS Bandwidth	11b/g	1/ 6/ 11	0/1/2	Complies
	11n(20MHz)	1/ 6/ 11	0/1/2	Complies
	11n(40MHz)	3 /6 /9	0/1/2	Complies
Occupied Bandwidth	11b/g	1/ 6/ 11	0/1/2	Complies
	11n(20MHz)	1/ 6/ 11	0/1/2	Complies
	11n(40MHz)	3/ 6/ 9	0/1/2	Complies
Power Density	11b/g	1/ 6/ 11	0+1+2	Complies
	11n(20MHz)	1/ 6/ 11	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9	0+1+2	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	WB15330091	DoC	Non-Shielded, 1.8m, one ferrite core bonded

1.4. Configuration of tested System



1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the “MTool 2.0.0.7” on the EUT.
3	Configure the test mode, the test channel, and the data rate.
4	Press “Start RX” 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
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output	15 - 35	25
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
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
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge	15 - 35	25
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
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
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

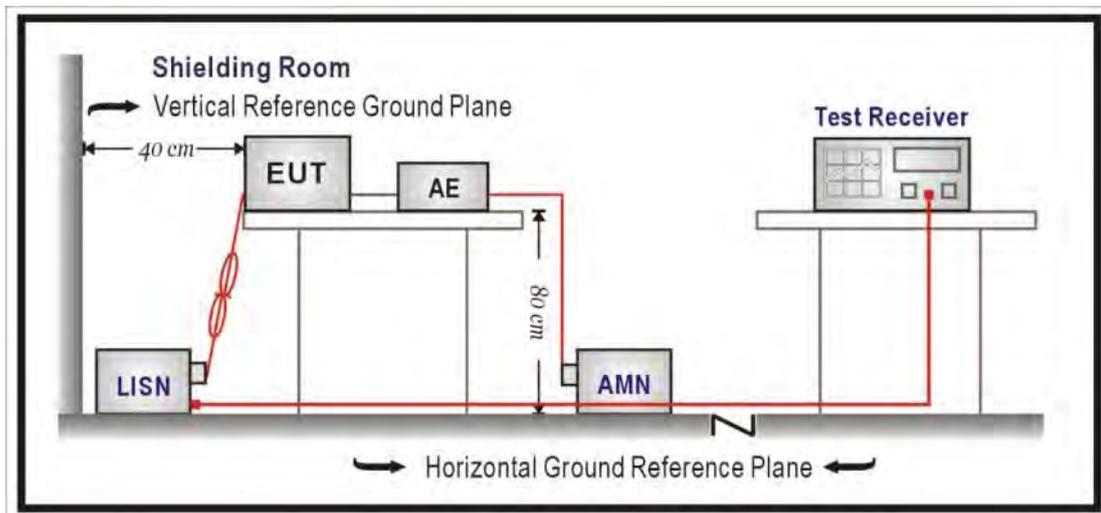
The following test equipments are used during the test:

Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2018/02/05
LISN	R&S	ENV216	100092	2017/08/16
Test Receiver	R&S	ESCS 30	836858/022	2018/01/14

Note: All equipments that need to calibrate are with calibration period of 1 year.

2.2. Test Setup



2.3. 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.

2.4. 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.

2.5. Test Specification

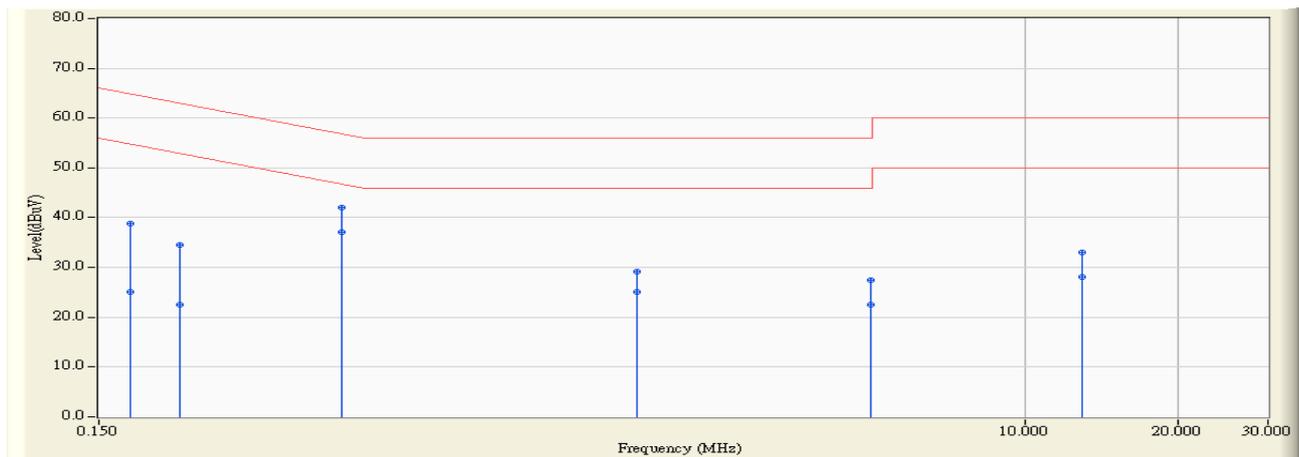
According to FCC Part 15 Subpart C Paragraph 15.207: 2015

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2-H	Time : 2017/03/03
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2-H_LISN(16A)-6_0712 - Line1	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2437MHz

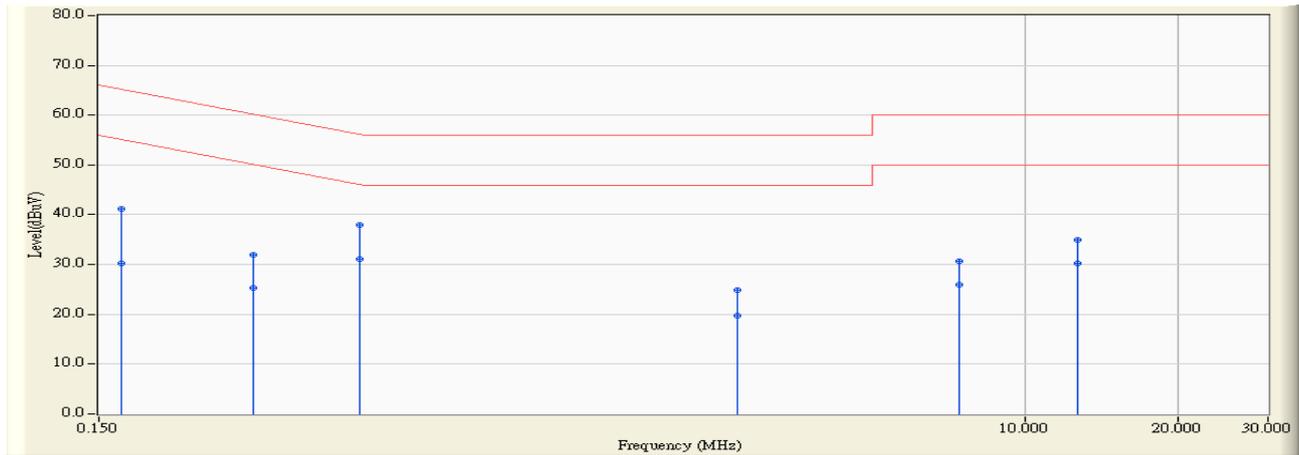


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.173	9.753	29.170	38.923	-25.871	64.794	QUASIPeAK
2	0.173	9.753	15.360	25.113	-29.681	54.794	AVERAGE
3	0.216	9.748	24.800	34.548	-28.407	62.956	QUASIPeAK
4	0.216	9.748	12.830	22.578	-30.377	52.956	AVERAGE
5	0.451	9.729	32.220	41.949	-14.912	56.861	QUASIPeAK
6	*	9.729	27.390	37.119	-9.742	46.861	AVERAGE
7	1.716	9.849	19.310	29.159	-26.841	56.000	QUASIPeAK
8	1.716	9.849	15.170	25.019	-20.981	46.000	AVERAGE
9	4.966	9.922	17.520	27.442	-28.558	56.000	QUASIPeAK
10	4.966	9.922	12.640	22.562	-23.438	46.000	AVERAGE
11	12.884	10.182	22.900	33.082	-26.918	60.000	QUASIPeAK
12	12.884	10.182	17.830	28.012	-21.988	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 : SR2-H	Time : 2017/03/03
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2-H_LISN(16A)-6_0712 - Line2	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2437MHz

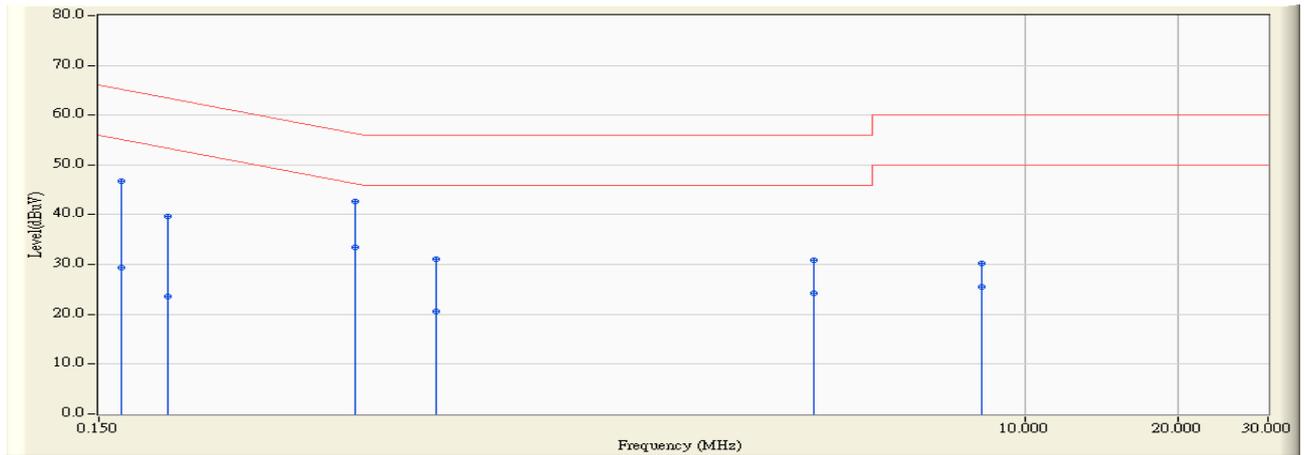


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.166	9.753	31.380	41.133	-24.044	65.177	QUASIPeAK
2	0.166	9.753	20.420	30.173	-25.004	55.177	AVERAGE
3	0.302	9.750	22.150	31.900	-28.278	60.178	QUASIPeAK
4	0.302	9.750	15.600	25.350	-24.828	50.178	AVERAGE
5	0.490	9.745	28.240	37.986	-18.185	56.170	QUASIPeAK
6	*	9.745	21.460	31.206	-14.965	46.170	AVERAGE
7	2.712	9.846	15.100	24.946	-31.054	56.000	QUASIPeAK
8	2.712	9.846	9.940	19.786	-26.214	46.000	AVERAGE
9	7.396	9.998	20.680	30.678	-29.322	60.000	QUASIPeAK
10	7.396	9.998	15.880	25.878	-24.122	50.000	AVERAGE
11	12.642	10.235	24.790	35.025	-24.975	60.000	QUASIPeAK
12	12.642	10.235	20.040	30.275	-19.725	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 : SR2-H	Time : 2017/03/03
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2-H_LISN(16A)-6_0712 - Line1	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 4: Tx_ADP: ADP-33AW_ 802.11n(40M)_2437MHz

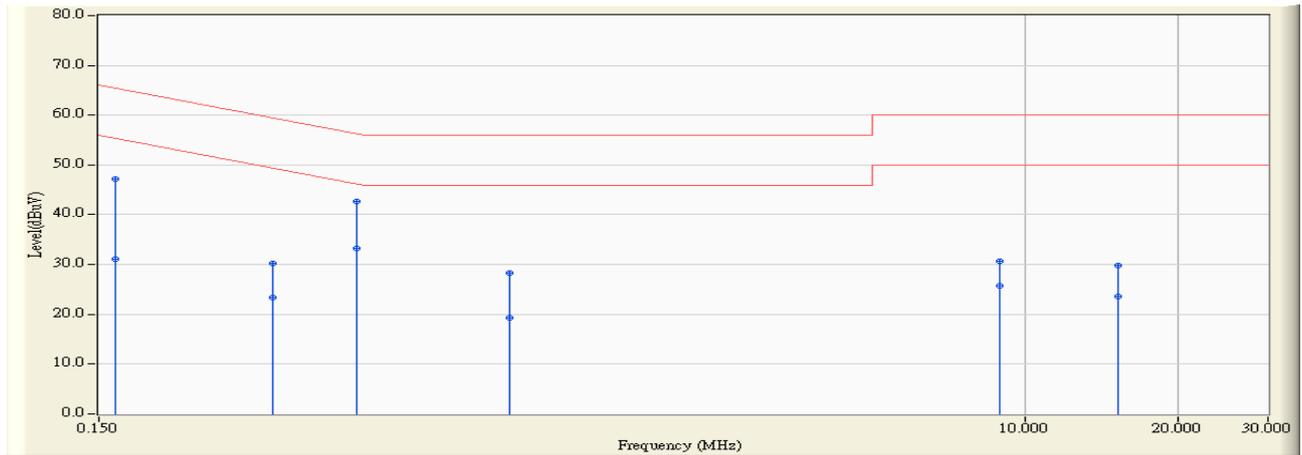


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.166	9.753	36.960	46.713	-18.464	65.177	QUASPEAK
2	0.166	9.753	19.540	29.293	-25.884	55.177	AVERAGE
3	0.205	9.750	29.880	39.630	-23.789	63.418	QUASPEAK
4	0.205	9.750	13.780	23.530	-29.889	53.418	AVERAGE
5	0.478	9.729	32.970	42.699	-13.673	56.372	QUASPEAK
6	*	9.729	23.790	33.519	-12.853	46.372	AVERAGE
7	0.693	9.763	21.310	31.074	-24.926	56.000	QUASPEAK
8	0.693	9.763	10.830	20.594	-25.406	46.000	AVERAGE
9	3.818	9.915	21.010	30.925	-25.075	56.000	QUASPEAK
10	3.818	9.915	14.260	24.175	-21.825	46.000	AVERAGE
11	8.201	10.055	20.110	30.165	-29.835	60.000	QUASPEAK
12	8.201	10.055	15.410	25.465	-24.535	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 : SR2-H	Time : 2017/03/03
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2-H_LISN(16A)-6_0712 - Line2	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 4: Tx_ADP: ADP-33AW_ 802.11n(40M)_2437MHz



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.162	9.754	37.530	47.284	-18.091	65.375	QUASPEAK
2	0.162	9.754	21.340	31.094	-24.281	55.375	AVERAGE
3	0.330	9.750	20.440	30.190	-29.269	59.459	QUASPEAK
4	0.330	9.750	13.620	23.370	-26.089	49.459	AVERAGE
5	0.482	9.746	32.990	42.736	-13.568	56.304	QUASPEAK
6	*	9.746	23.500	33.246	-13.058	46.304	AVERAGE
7	0.966	9.815	18.540	28.355	-27.645	56.000	QUASPEAK
8	0.966	9.815	9.580	19.395	-26.605	46.000	AVERAGE
9	8.923	10.087	20.650	30.737	-29.263	60.000	QUASPEAK
10	8.923	10.087	15.700	25.787	-24.213	50.000	AVERAGE
11	15.193	10.317	19.450	29.767	-30.233	60.000	QUASPEAK
12	15.193	10.317	13.180	23.497	-26.503	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. Peak Power Output

3.1. Test Equipment

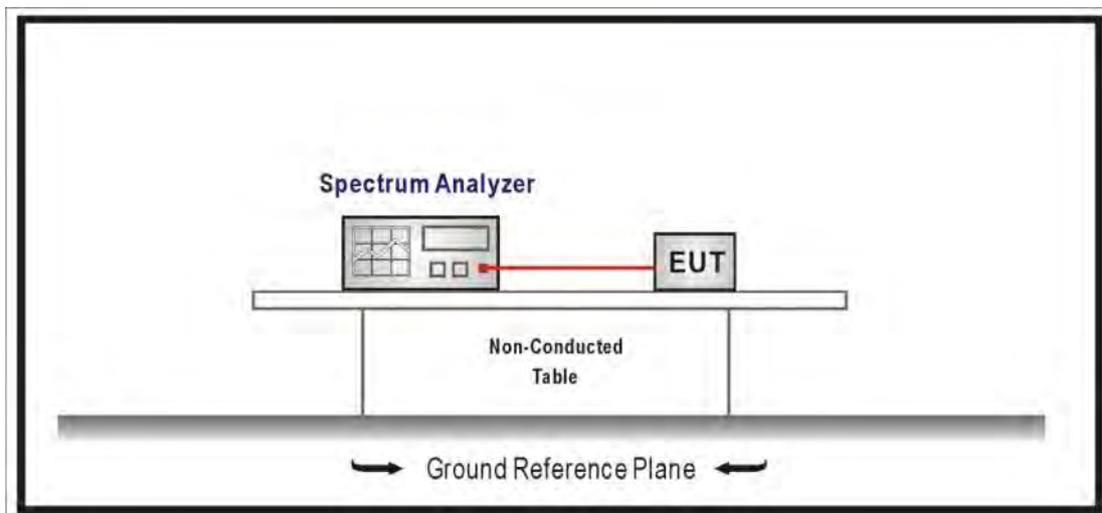
The following test equipments are used during the test:

Peak Power / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/08/08

Note: All equipments that need to calibrate are with calibration period of 1 year.

3.2. Test Setup



3.3. Test procedures

The EUT was tested according to DTS test procedure section 9.1.2 of KDB558074 v03r05, Measurement to FCC 47CFR 15.247 requirements.

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

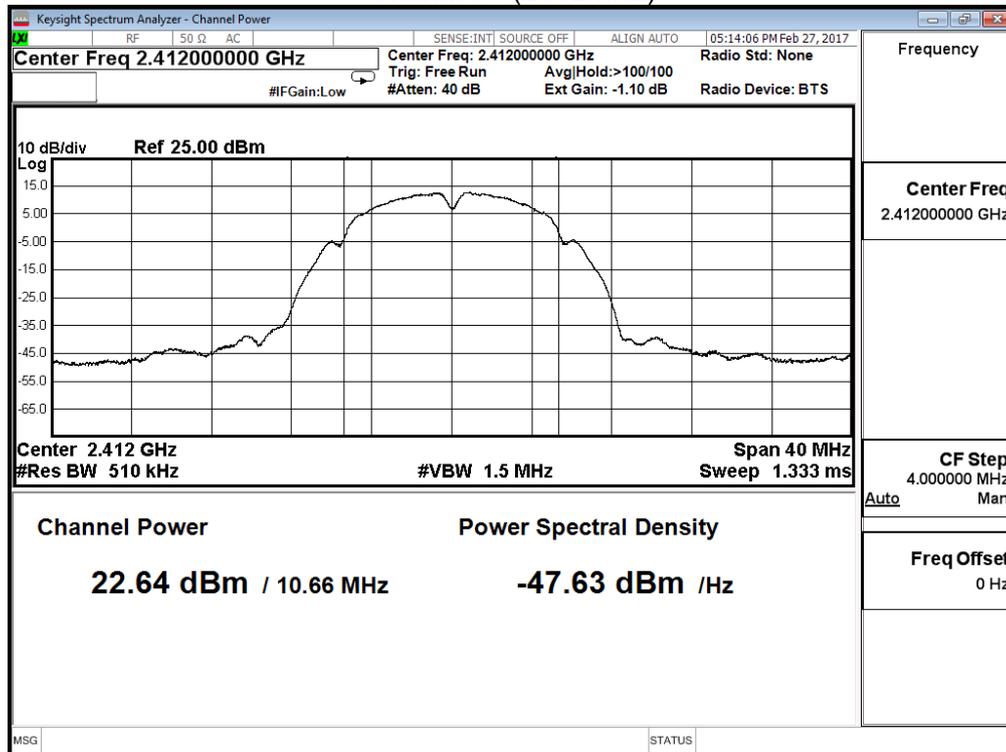
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_ CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	22.640	≤30
6	2437	25.100	≤30
11	2462	20.600	≤30

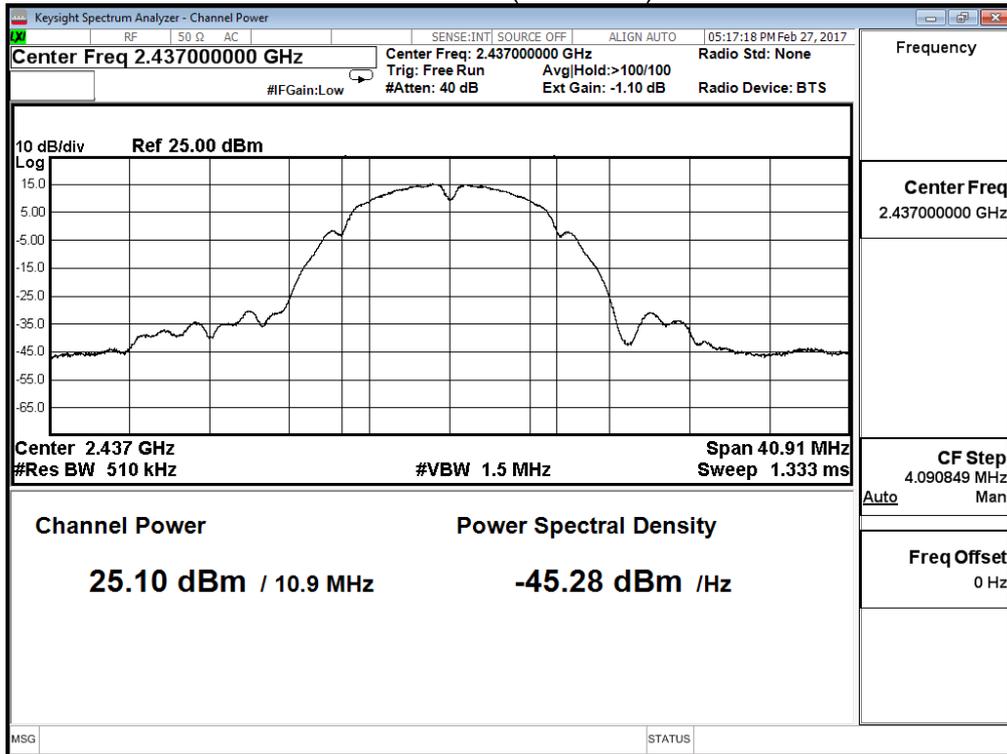
The worst emission of data rate is 1 Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	22.640	--	--	--	≤30
6	2437	25.100	25.070	25.050	25.010	≤30
11	2462	20.600	--	--	--	≤30

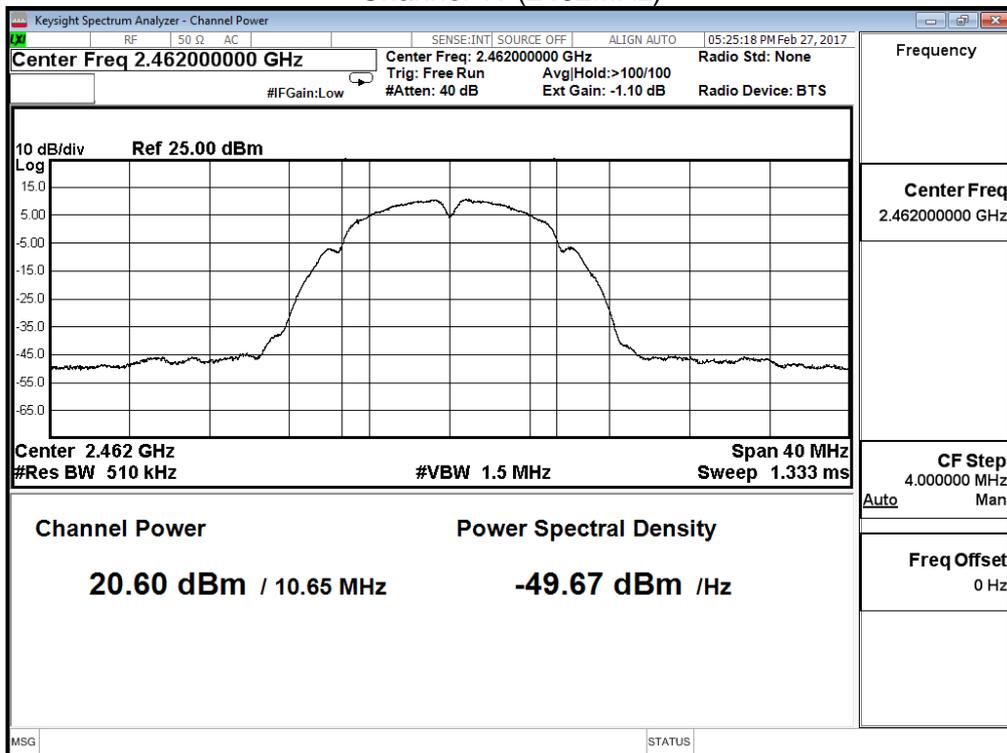
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



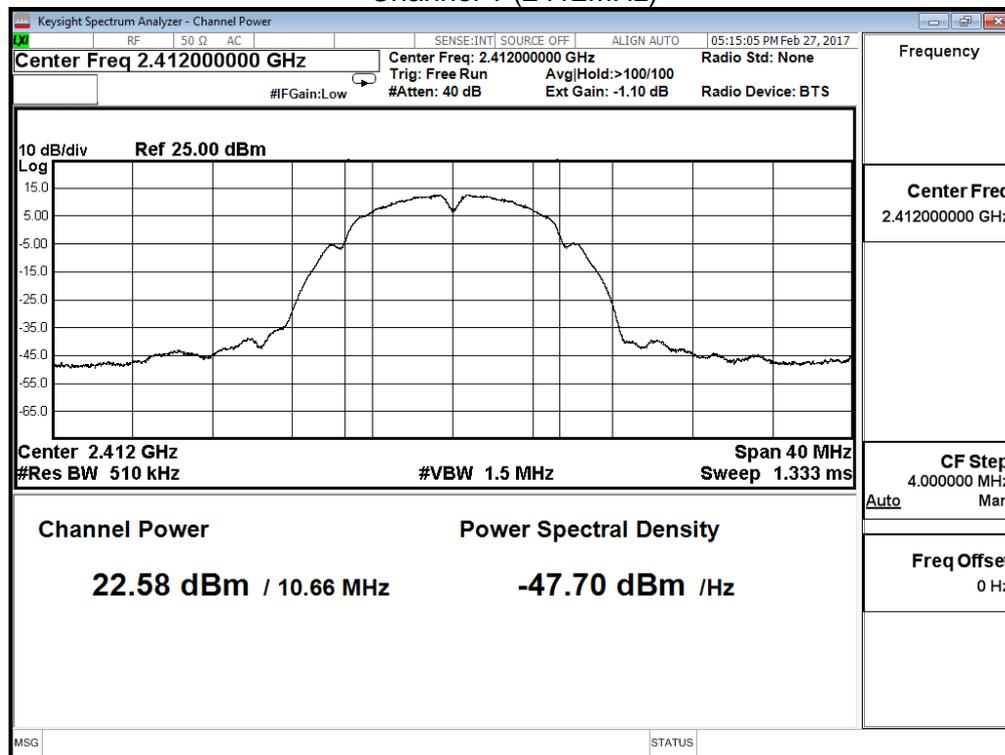
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11b (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	22.580	≤ 30
6	2437	25.210	≤ 30
11	2462	20.510	≤ 30

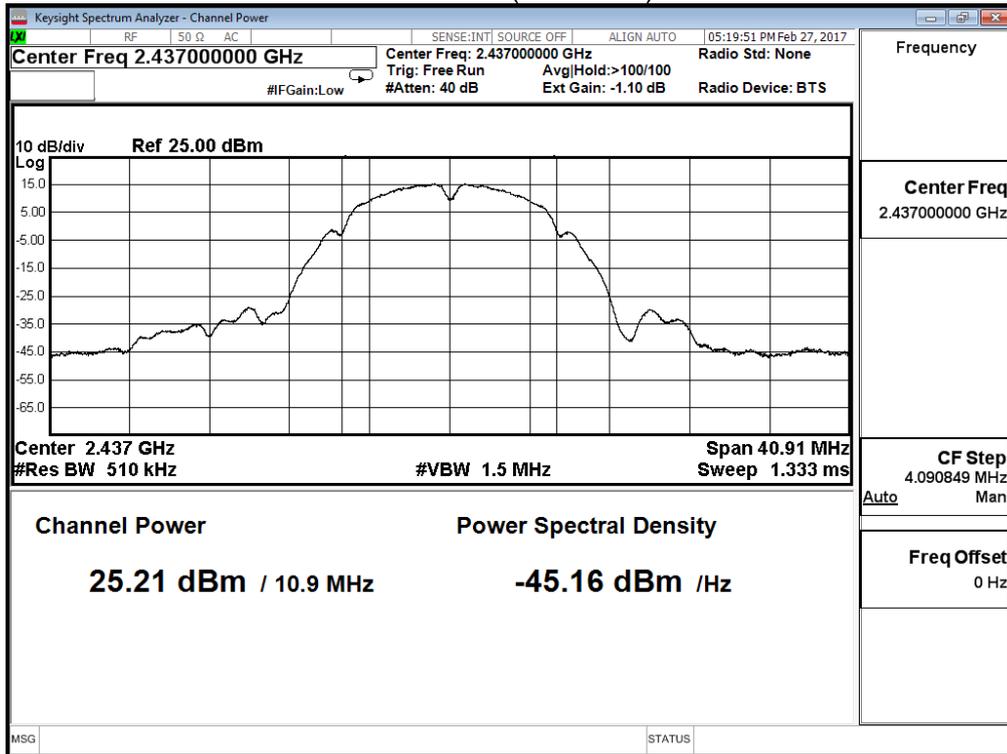
The worst emission of data rate is 1 Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	22.580	--	--	--	≤ 30
6	2437	25.210	25.180	25.120	25.080	≤ 30
11	2462	20.510	--	--	--	≤ 30

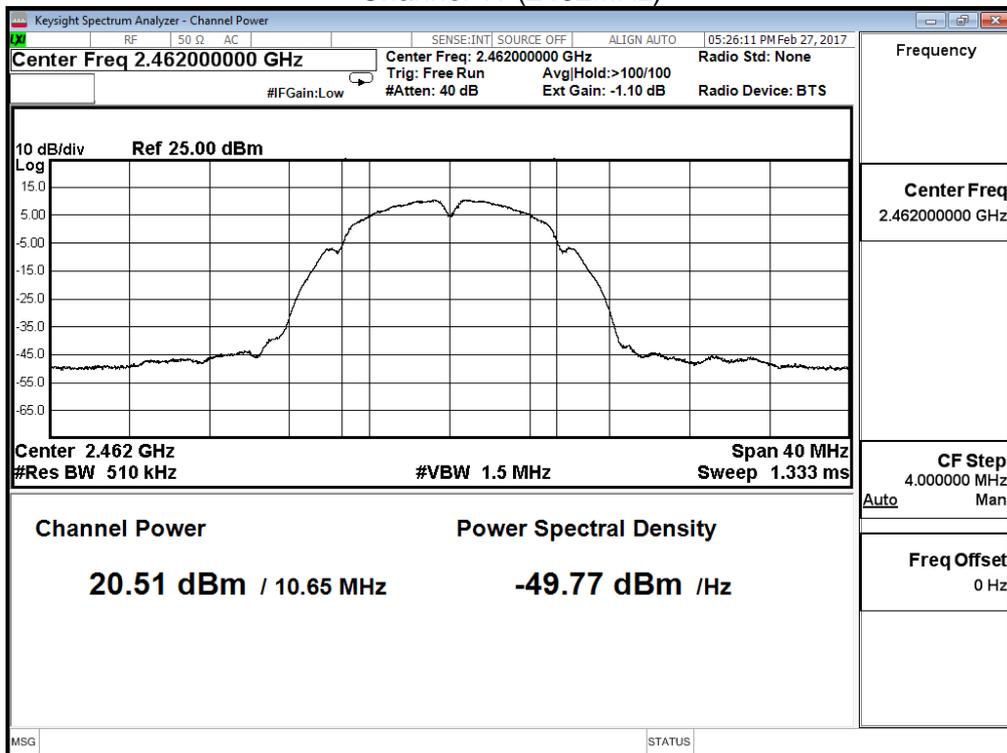
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



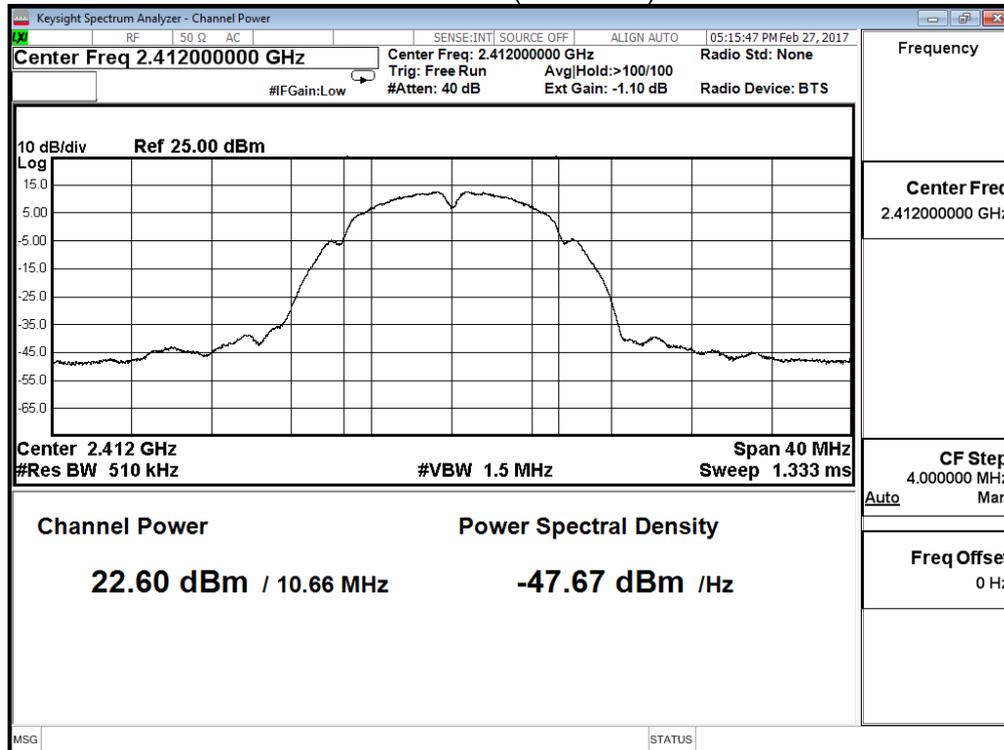
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11b (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	22.600	≤30
6	2437	25.170	≤30
11	2462	20.580	≤30

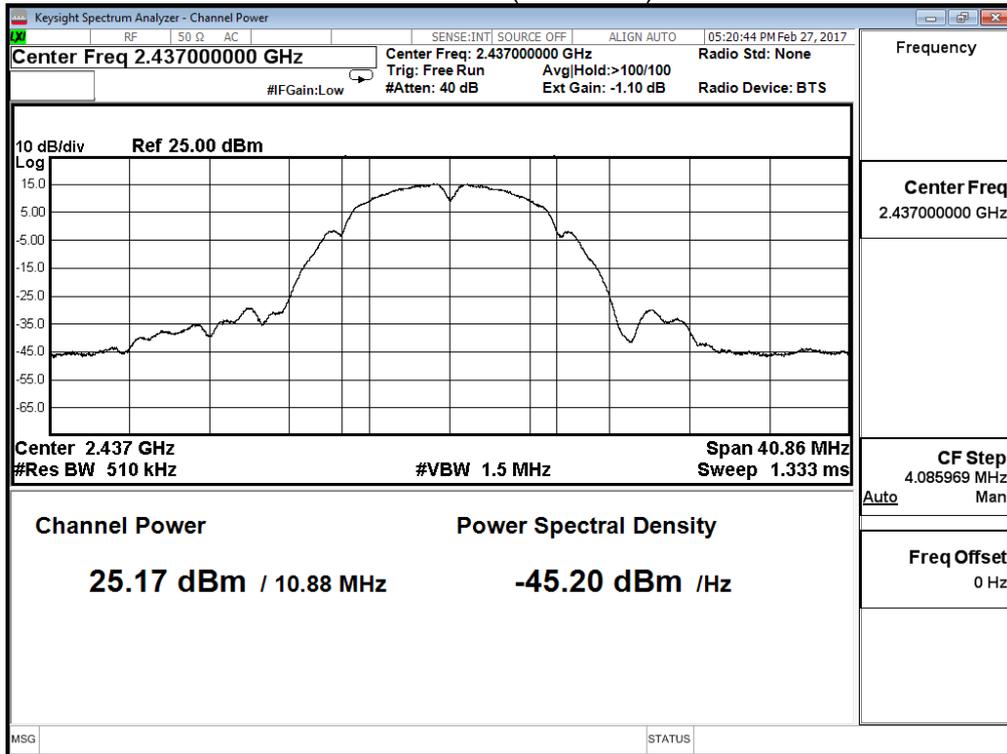
The worst emission of data rate is 1 Mbps

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	22.600	--	--	--	≤30
6	2437	25.170	25.150	25.110	25.090	≤30
11	2462	20.580	--	--	--	≤30

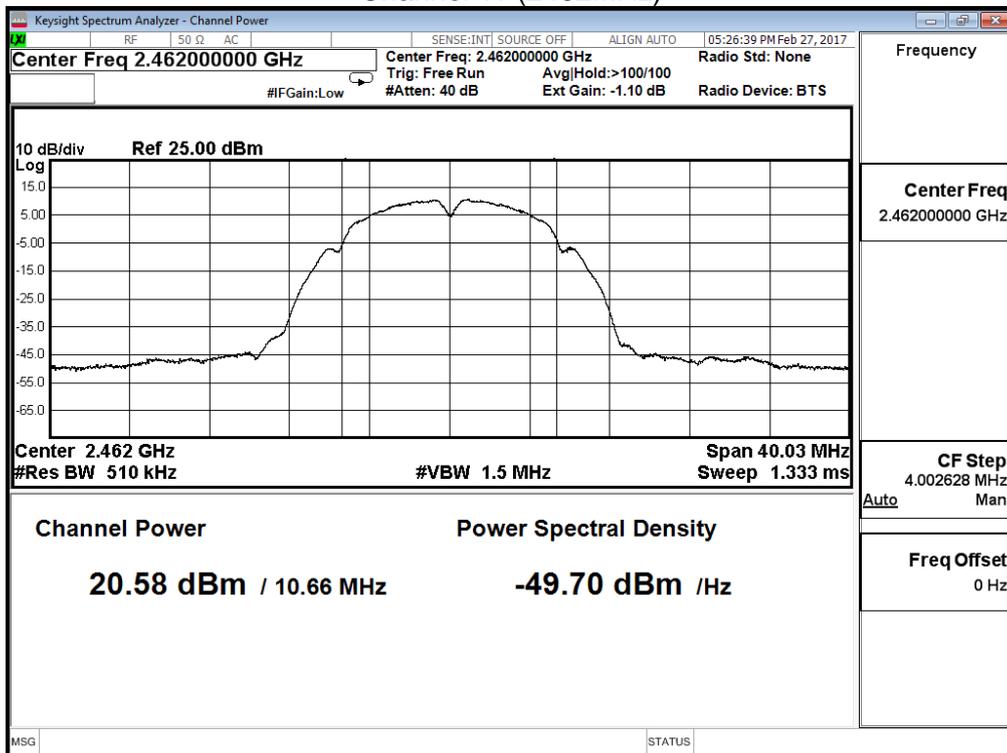
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11b (ANT 0+1+2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	27.378	≤ 30
6	2437	29.931	≤ 30
11	2462	25.335	≤ 30

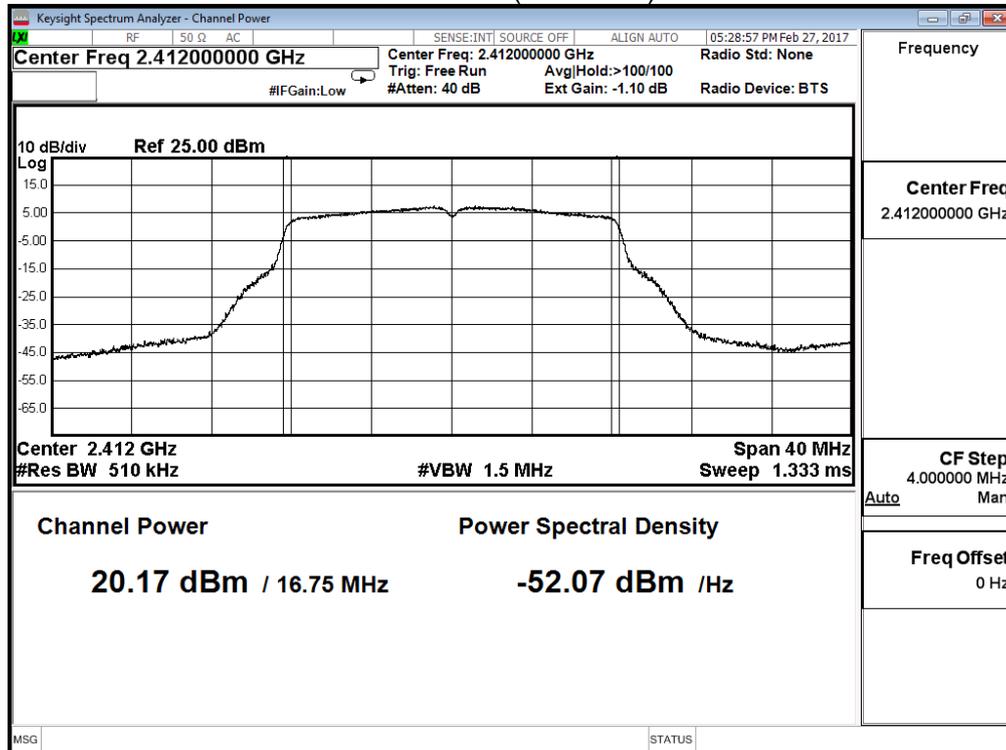
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	20.170	≤ 30
6	2437	25.150	≤ 30
11	2462	16.510	≤ 30

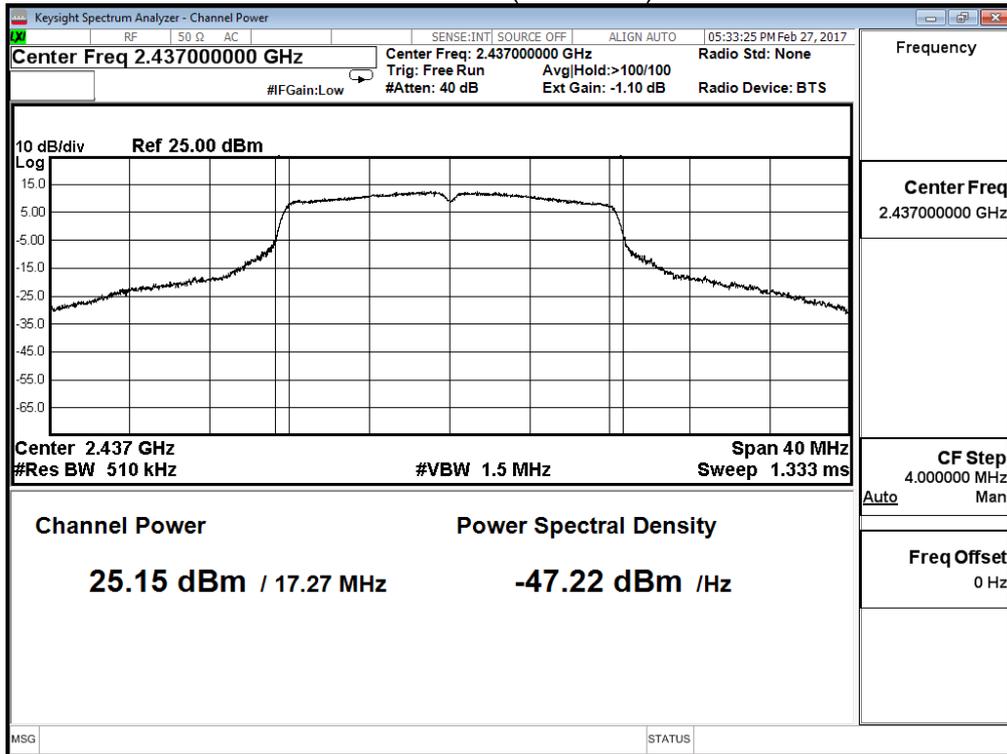
The worst emission of data rate is 6 Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	20.170	--	--	--	--	--	--	≤ 30
6	2437	25.150	25.100	25.070	25.030	24.980	24.920	24.880	≤ 30
11	2462	16.510	--	--	--	--	--	--	≤ 30

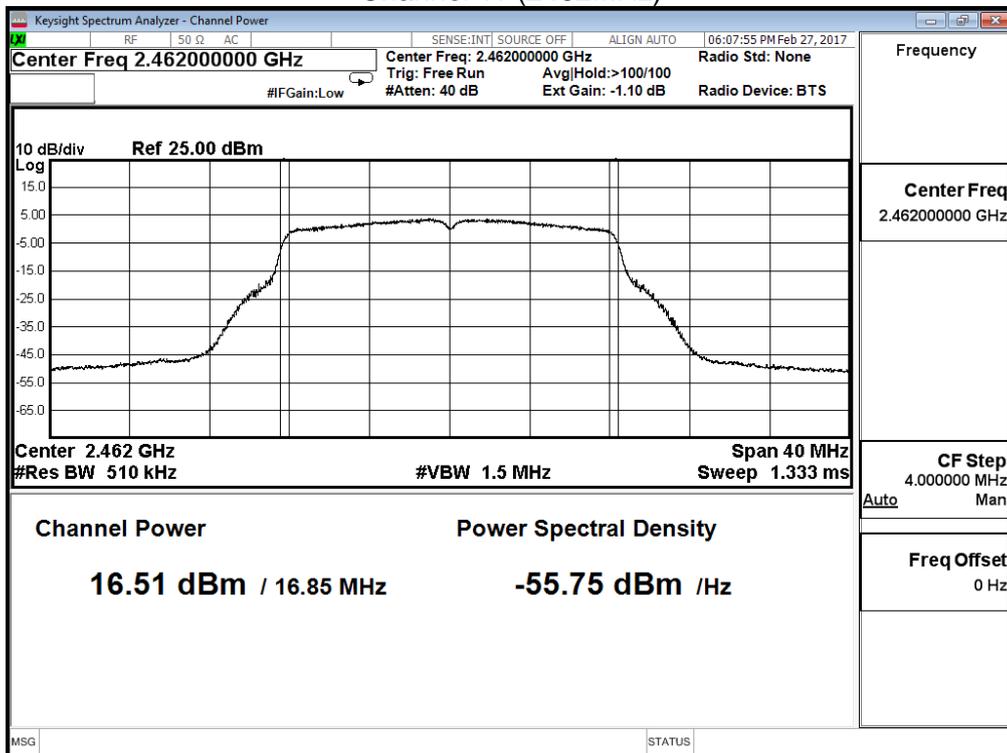
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



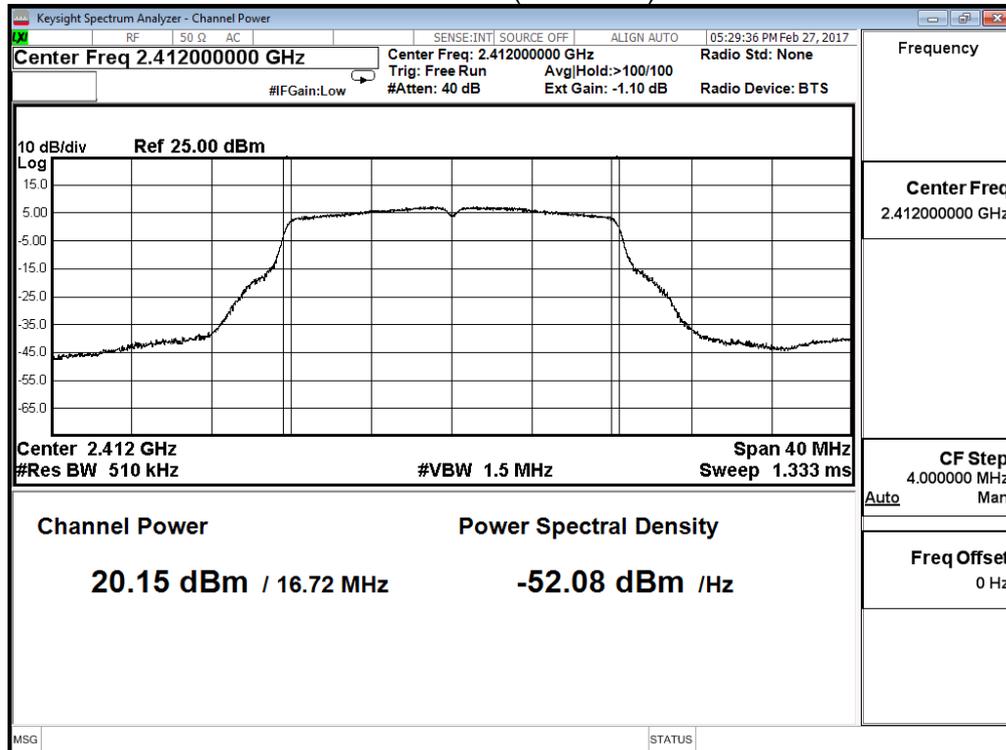
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11g (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	20.150	≤ 30
6	2437	25.170	≤ 30
11	2462	16.500	≤ 30

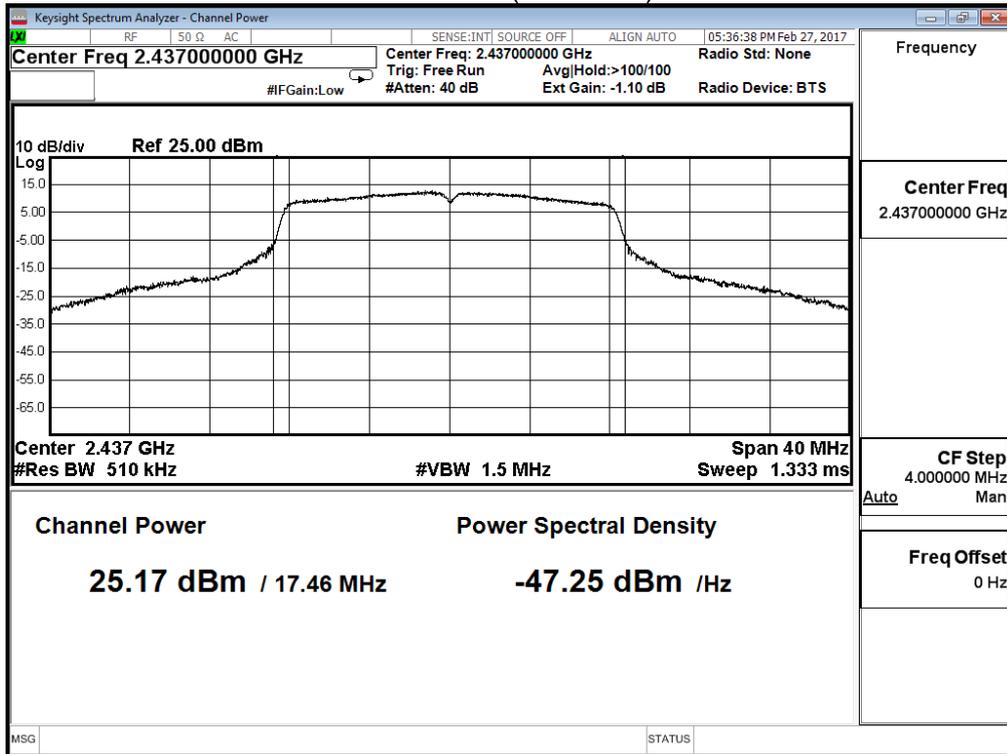
The worst emission of data rate is 6 Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	20.150	--	--	--	--	--	--	≤ 30
6	2437	25.170	25.130	25.080	25.050	25.020	24.980	24.900	≤ 30
11	2462	16.500	--	--	--	--	--	--	≤ 30

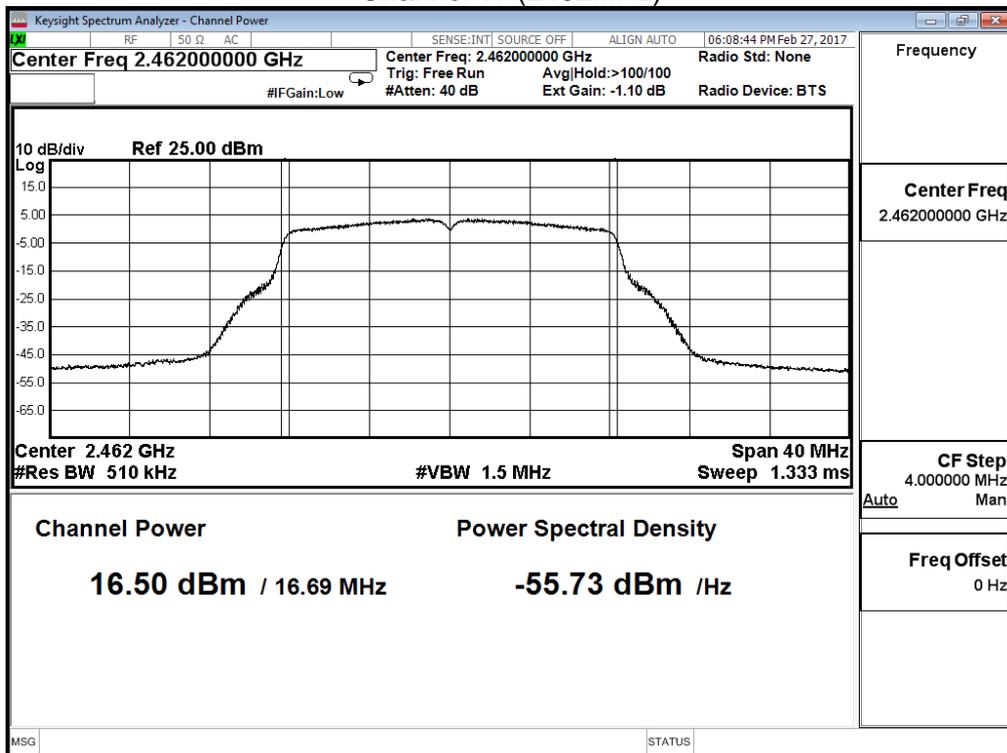
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



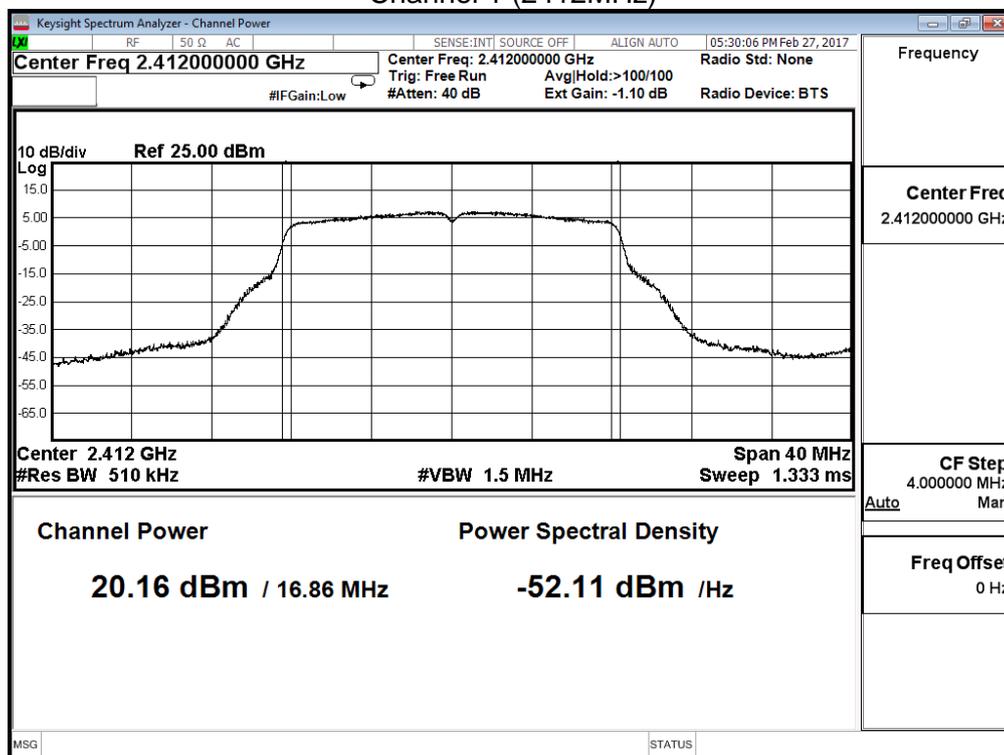
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11g (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	20.160	≤30
6	2437	25.210	≤30
11	2462	16.630	≤30

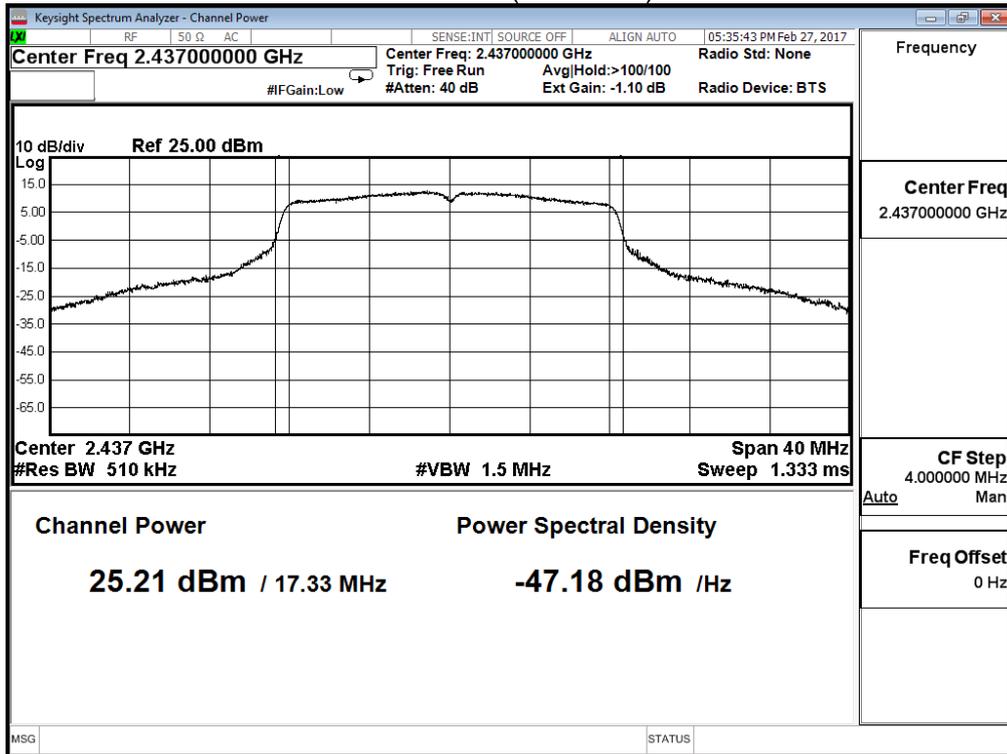
The worst emission of data rate is 6 Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	20.160	--	--	--	--	--	--	≤30
6	2437	25.210	25.170	25.130	25.090	25.040	25.000	24.920	≤30
11	2462	16.630	--	--	--	--	--	--	≤30

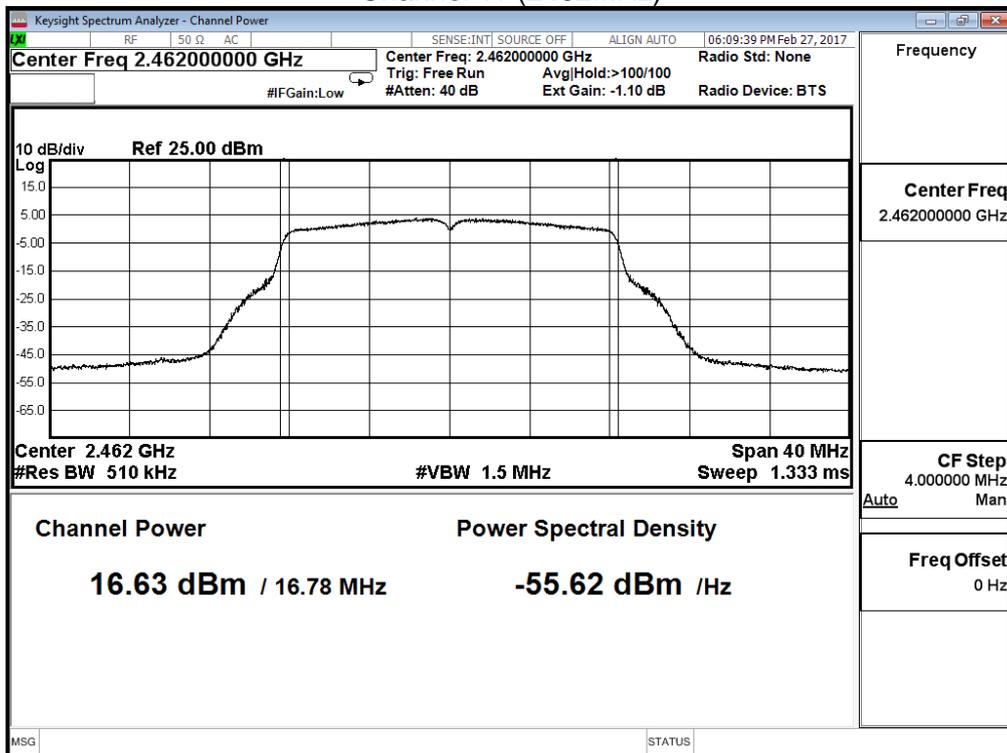
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11g (ANT 0+1+2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	24.931	≤ 30
6	2437	29.948	≤ 30
11	2462	21.318	≤ 30

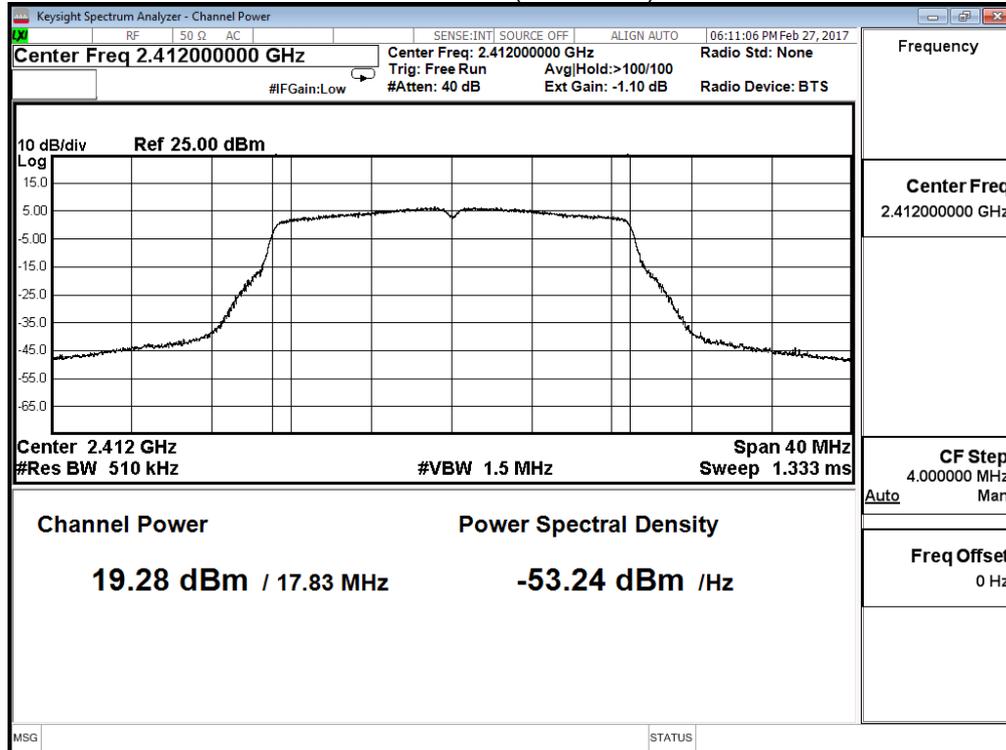
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n20 (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	19.280	≤30
6	2437	25.100	≤30
11	2462	16.540	≤30

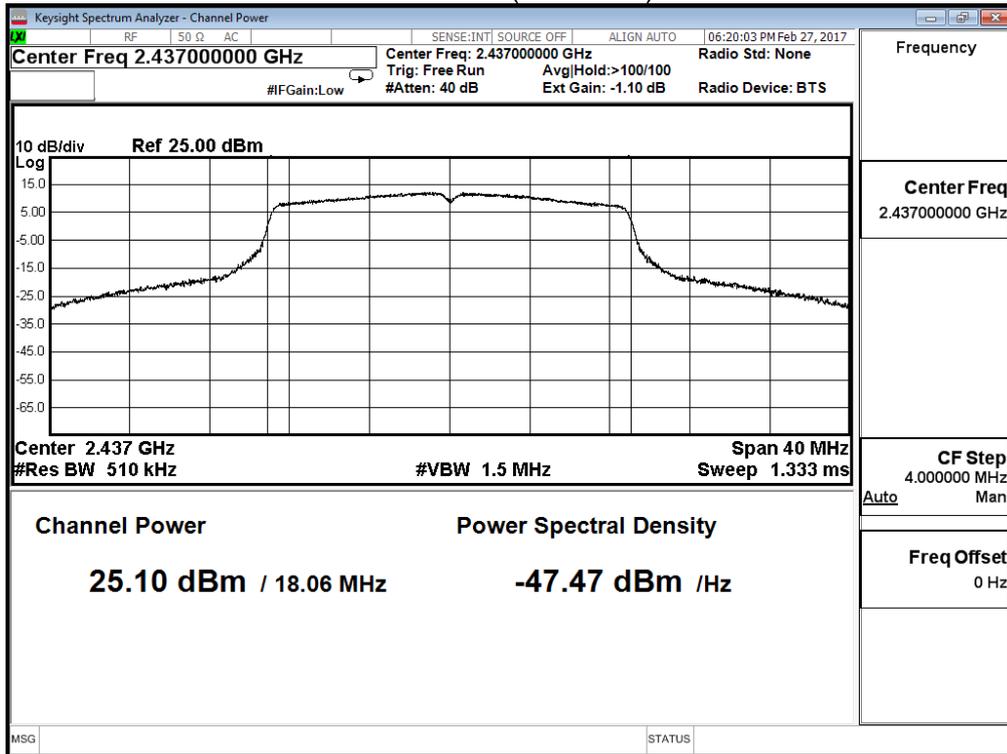
The worst emission of data rate is MCS 16

Channel No	Frequency (MHz)	MCS Index								Required Limit
		16	17	18	19	20	21	22	23	
1	2412	19.280	--	--	--	--	--	--	--	≤30
6	2437	25.100	25.040	25.000	24.950	24.910	24.830	24.770	24.680	≤30
11	2462	16.540	--	--	--	--	--	--	--	≤30

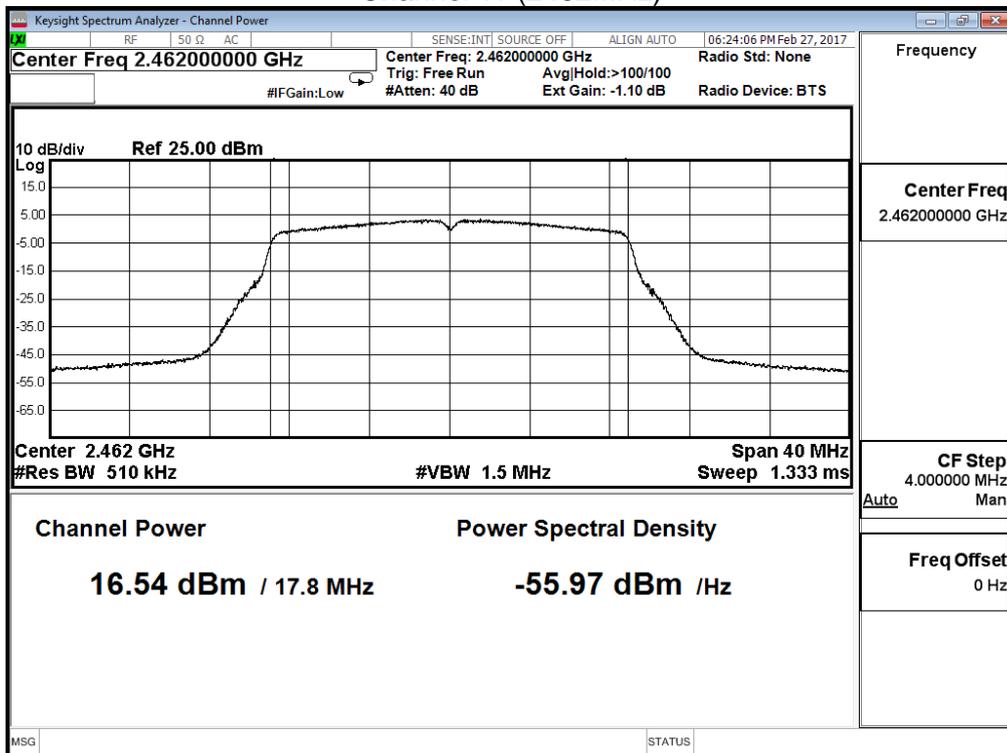
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



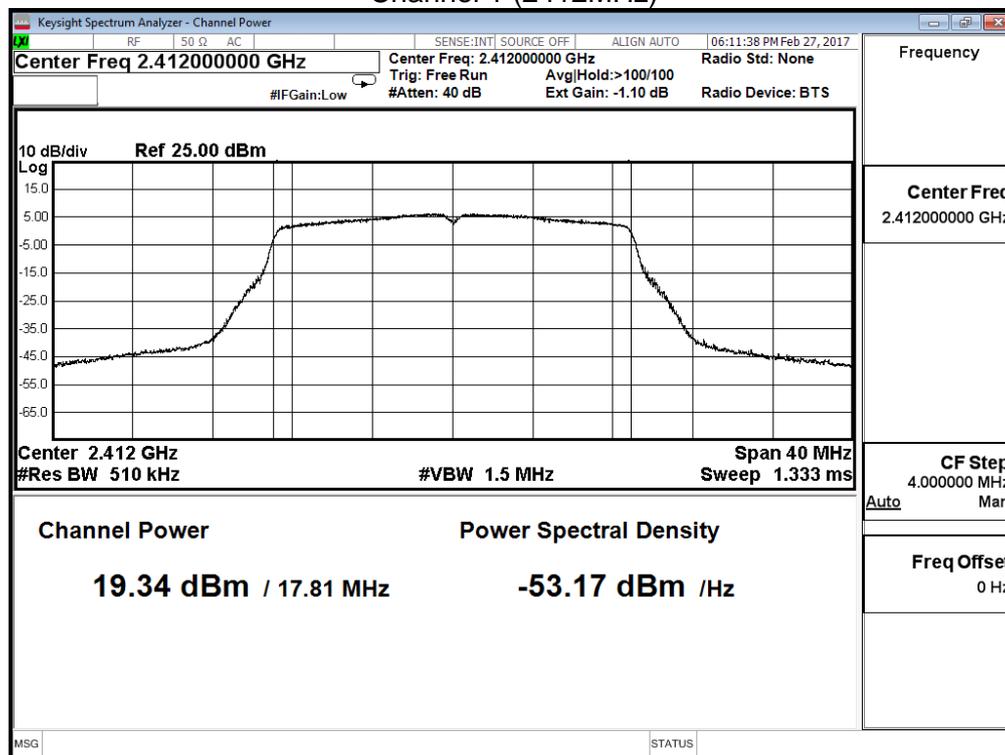
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n20 (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	19.340	≤30
6	2437	25.140	≤30
11	2462	16.520	≤30

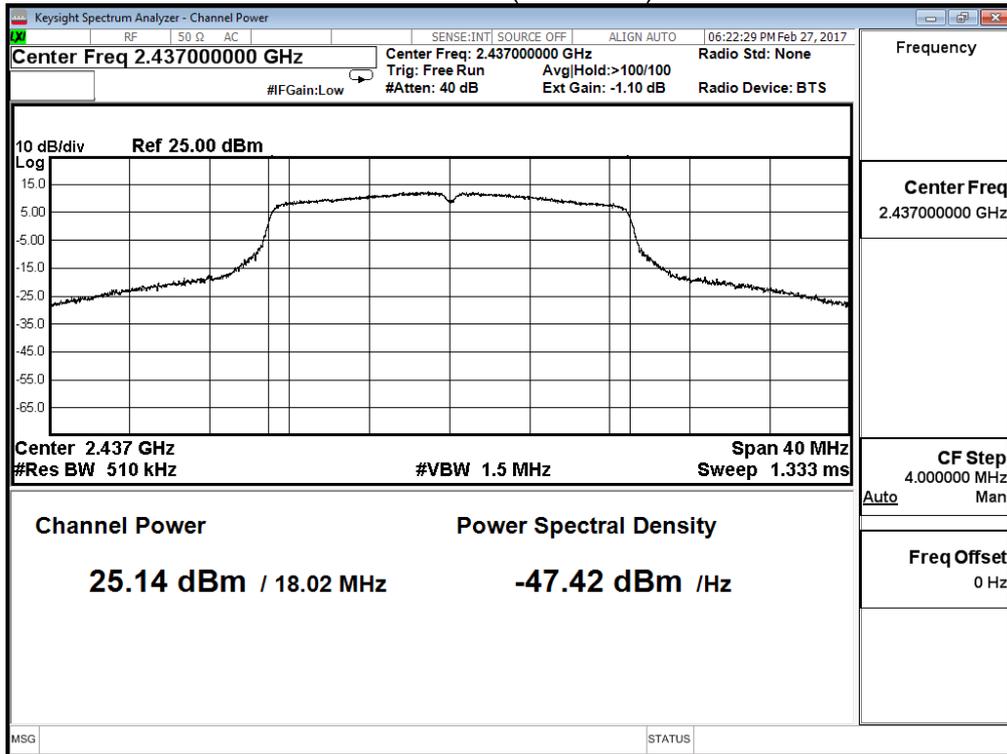
The worst emission of data rate is MCS 16

Channel No	Frequency (MHz)	MCS Index								Required Limit
		16	17	18	19	20	21	22	23	
1	2412	19.340	--	--	--	--	--	--	--	≤30
6	2437	25.140	25.100	24.930	24.880	24.790	24.680	24.600	24.510	≤30
11	2462	16.520	--	--	--	--	--	--	--	≤30

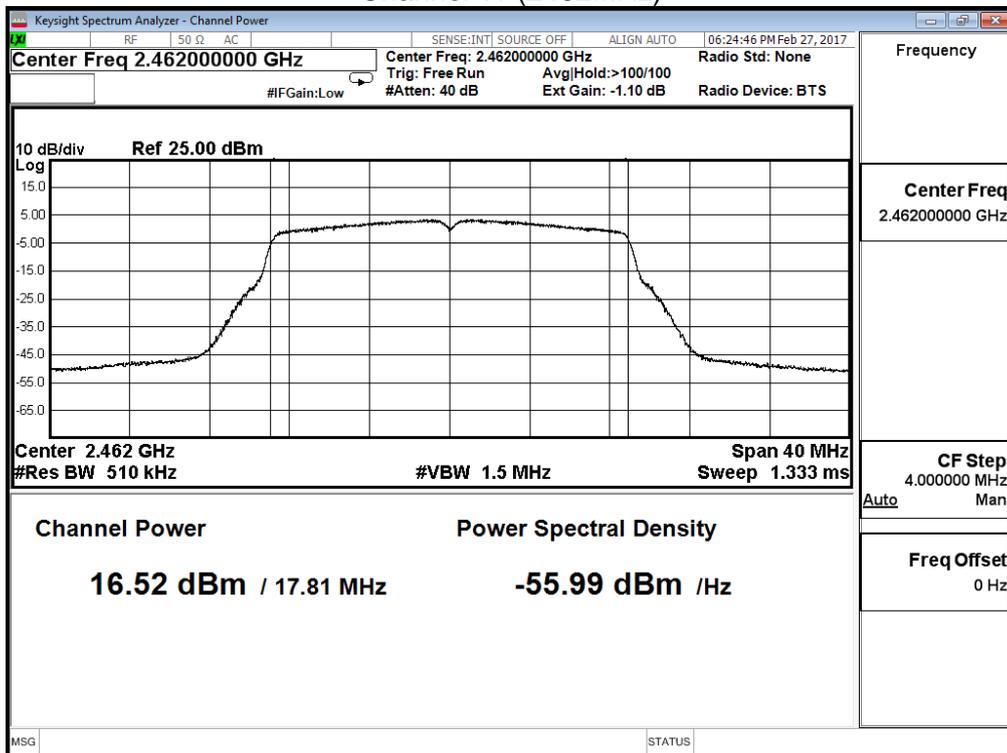
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



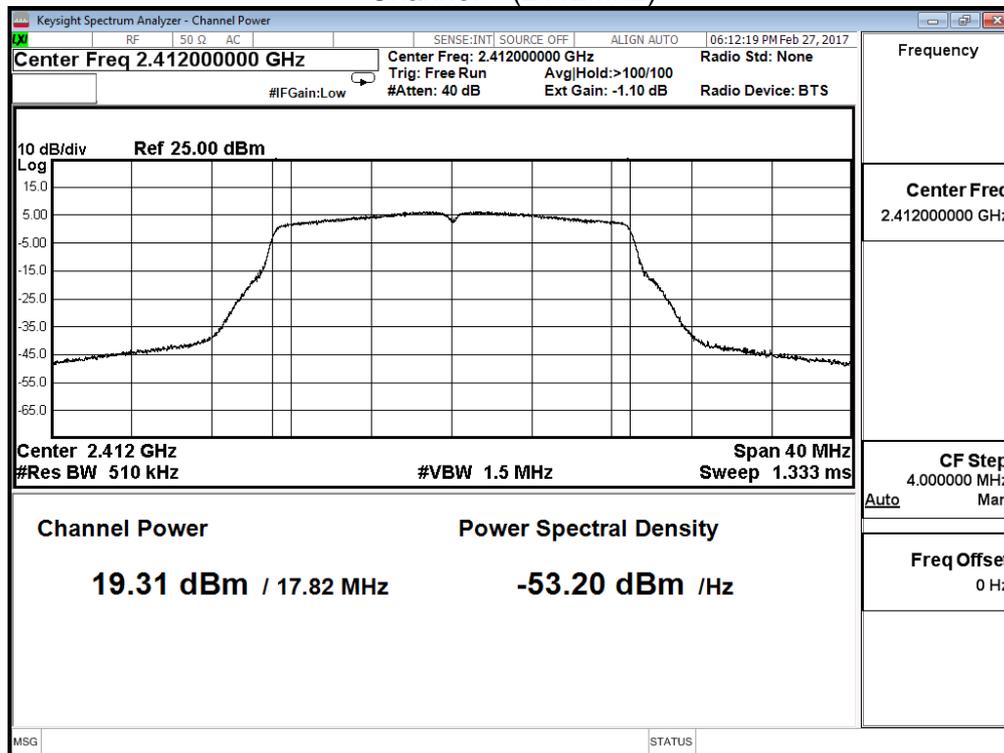
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n20 (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	19.310	≤30
6	2437	25.130	≤30
11	2462	16.550	≤30

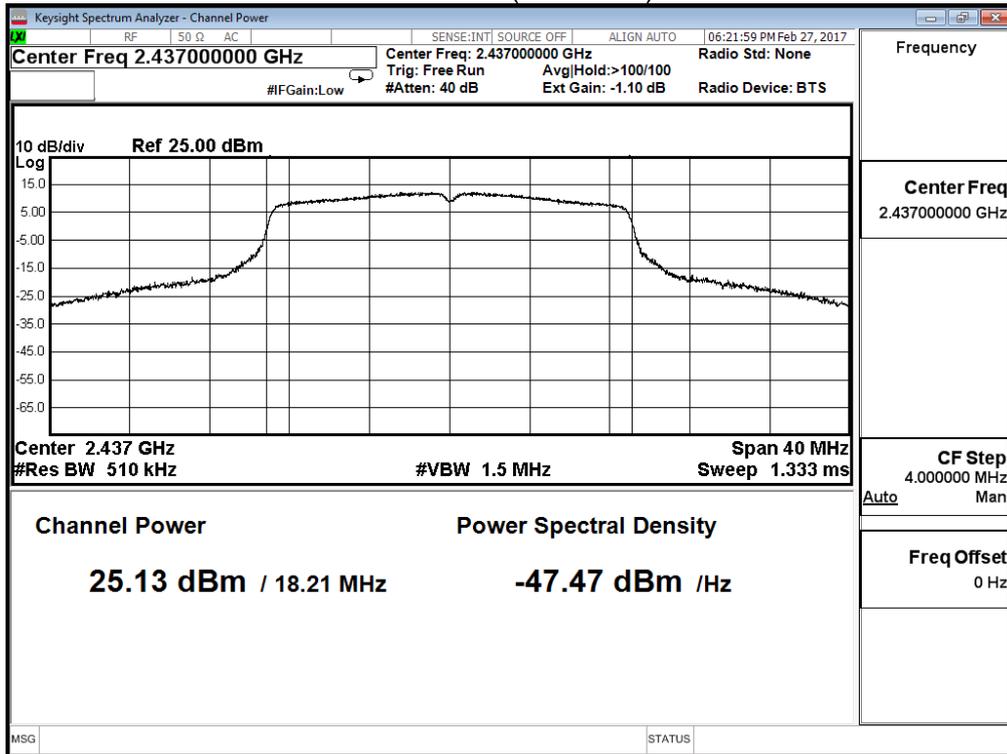
The worst emission of data rate is MCS 16

Channel No	Frequency (MHz)	MCS Index								Required Limit
		16	17	18	19	20	21	22	23	
1	2412	19.310	--	--	--	--	--	--	--	≤30
6	2437	25.130	25.030	24.920	24.810	24.700	24.550	24.420	24.280	≤30
11	2462	16.550	--	--	--	--	--	--	--	≤30

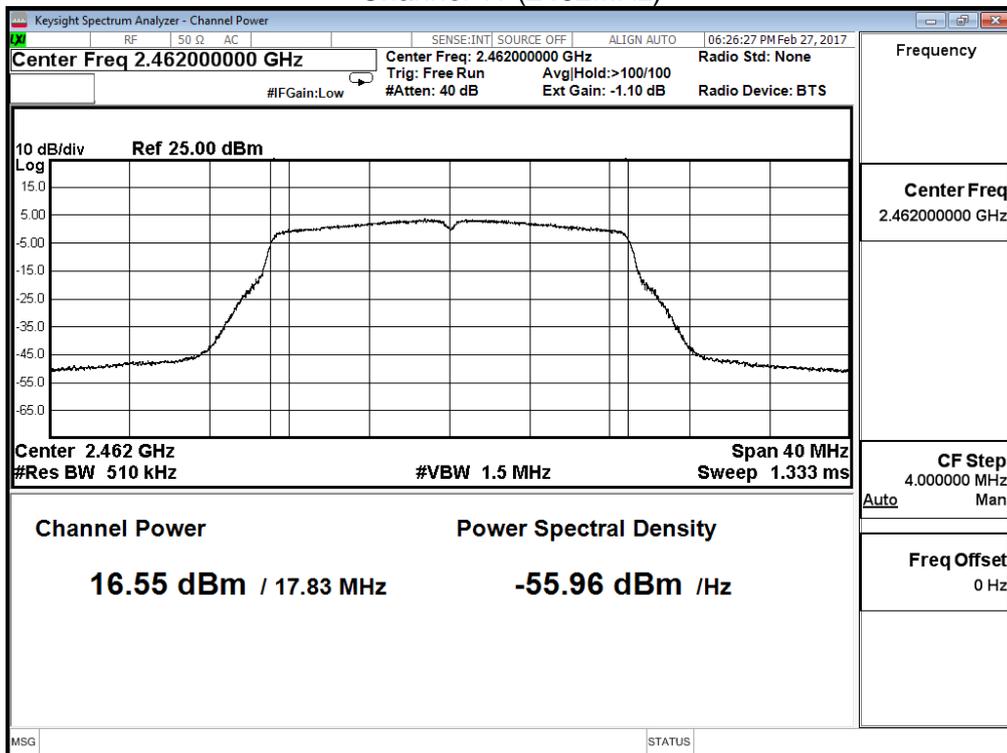
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n20 (ANT 0+1+2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	24.081	≤ 30
6	2437	29.895	≤ 30
11	2462	21.308	≤ 30

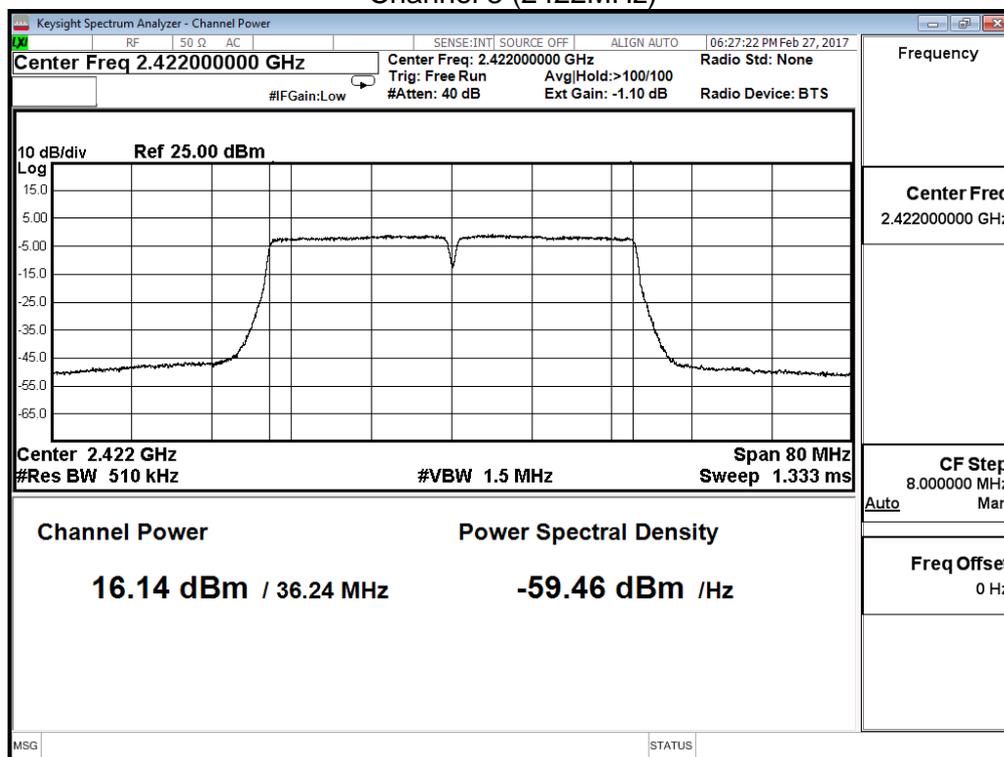
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n40 (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	16.140	≤ 30
6	2437	16.680	≤ 30
9	2452	12.560	≤ 30

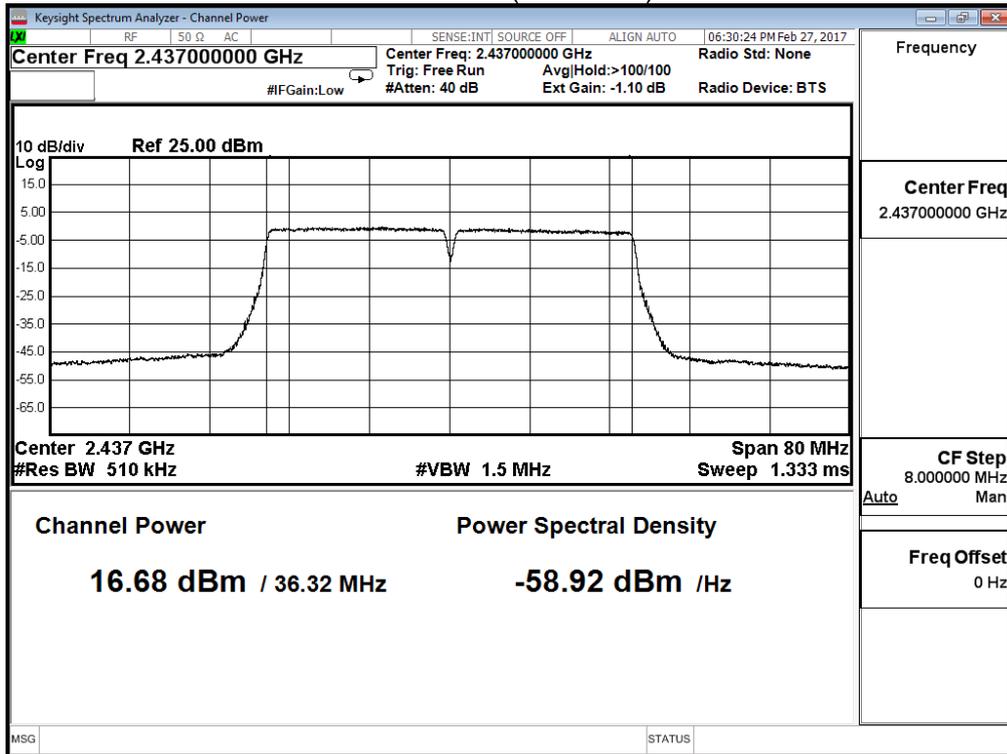
The worst emission of data rate is MCS 16

Channel No	Frequency (MHz)	MCS Index								Required Limit
		16	17	18	19	20	21	22	23	
3	2422	16.140	--	--	--	--	--	--	--	≤ 30
6	2437	16.680	16.550	16.430	16.310	16.120	16.000	15.910	15.680	≤ 30
9	2452	12.560	--	--	--	--	--	--	--	≤ 30

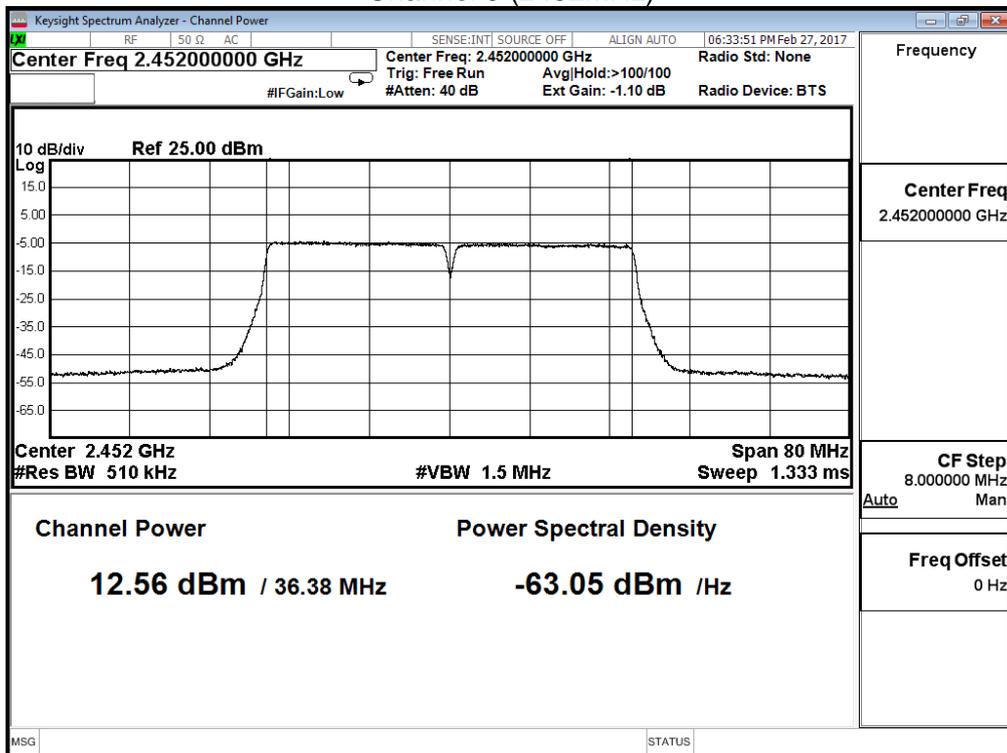
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



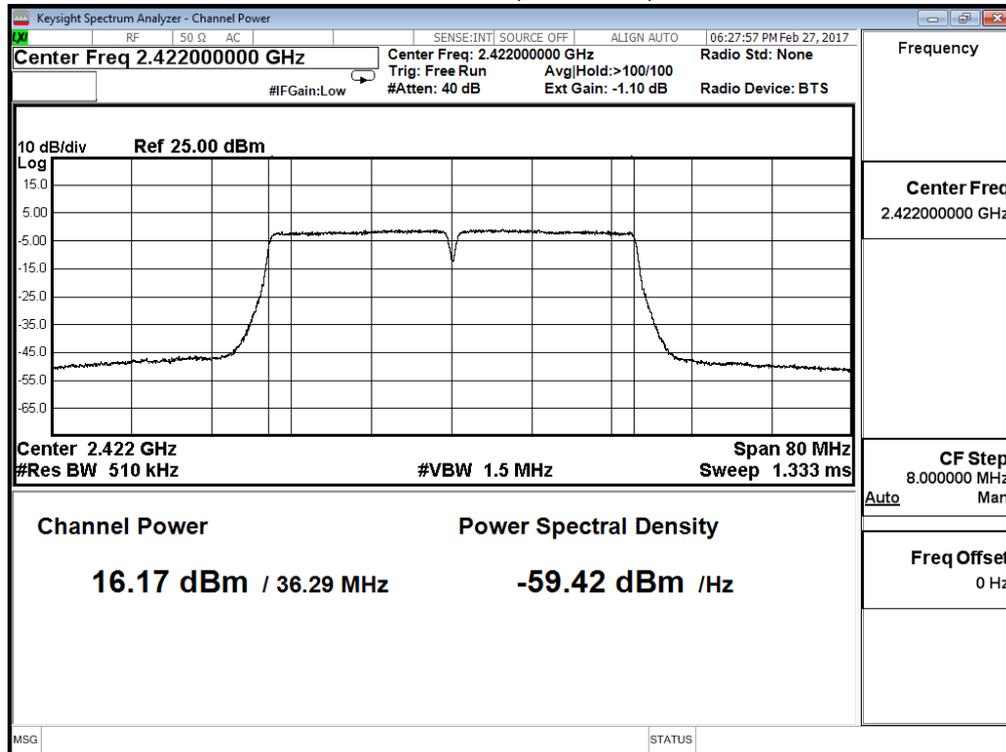
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n40 (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	16.170	≤ 30
6	2437	16.610	≤ 30
9	2452	12.520	≤ 30

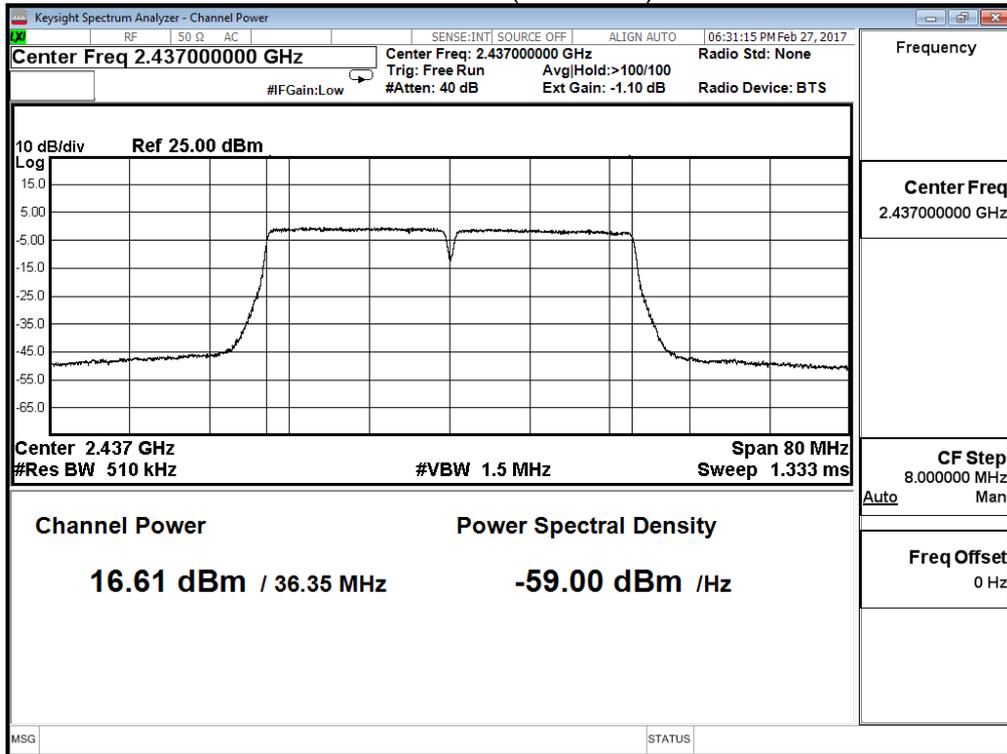
The worst emission of data rate is MCS 16

Channel No	Frequency (MHz)	MCS Index								Required Limit
		16	17	18	19	20	21	22	23	
3	2422	16.170	--	--	--	--	--	--	--	≤ 30
6	2437	16.610	16.510	16.340	16.200	16.090	15.920	15.770	15.600	≤ 30
9	2452	12.520	--	--	--	--	--	--	--	≤ 30

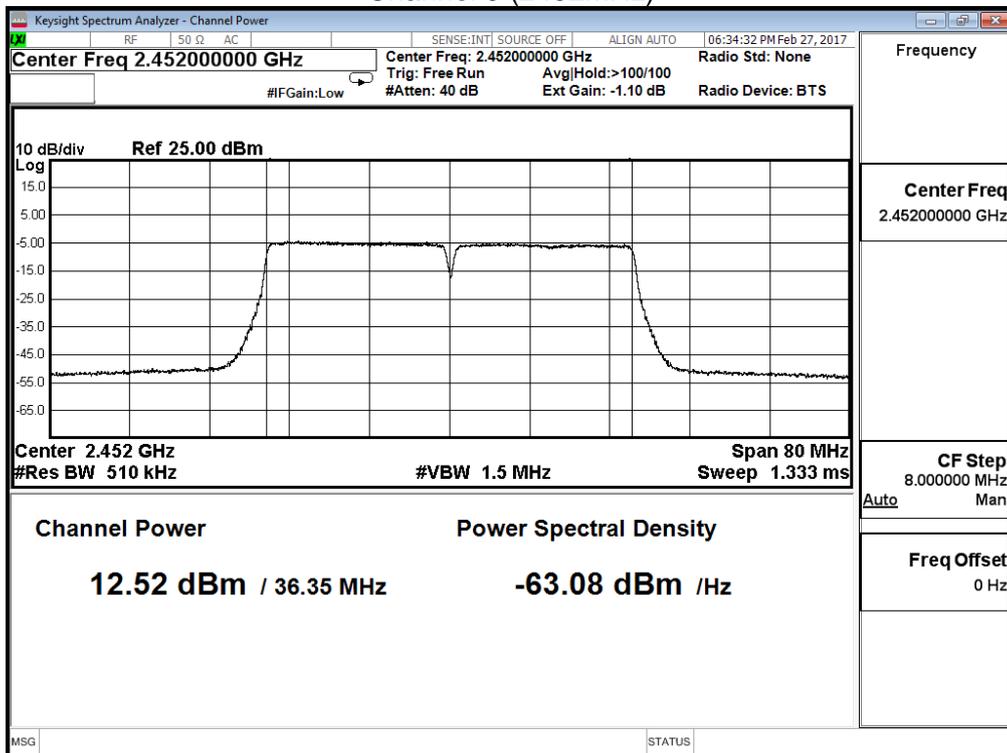
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



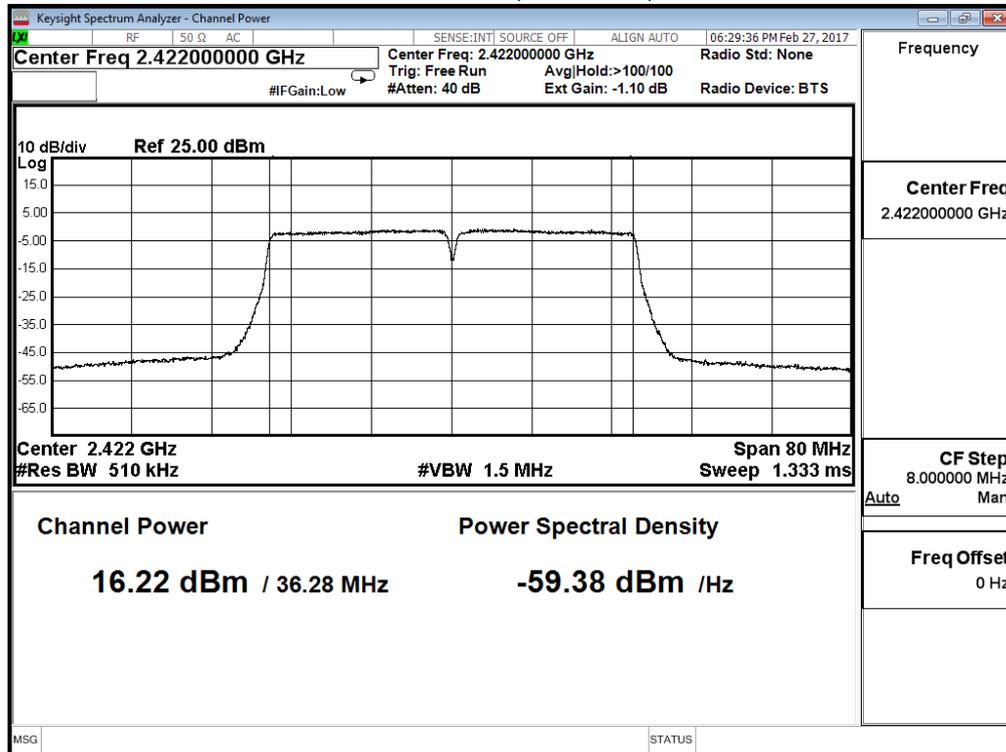
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n40 (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	16.220	≤ 30
6	2437	16.590	≤ 30
9	2452	12.530	≤ 30

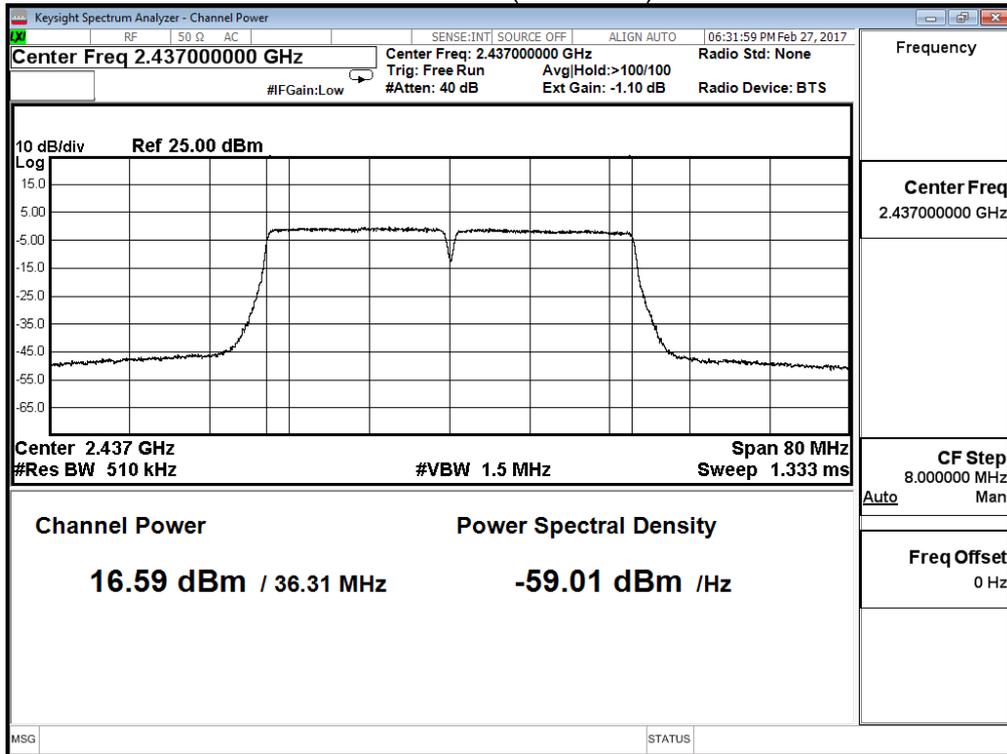
The worst emission of data rate is MCS 16

Channel No	Frequency (MHz)	MCS Index								Required Limit
		16	17	18	19	20	21	22	23	
3	2422	16.220	--	--	--	--	--	--	--	≤ 30
6	2437	16.590	16.480	16.340	16.210	16.100	15.920	15.810	15.680	≤ 30
9	2452	12.530	--	--	--	--	--	--	--	≤ 30

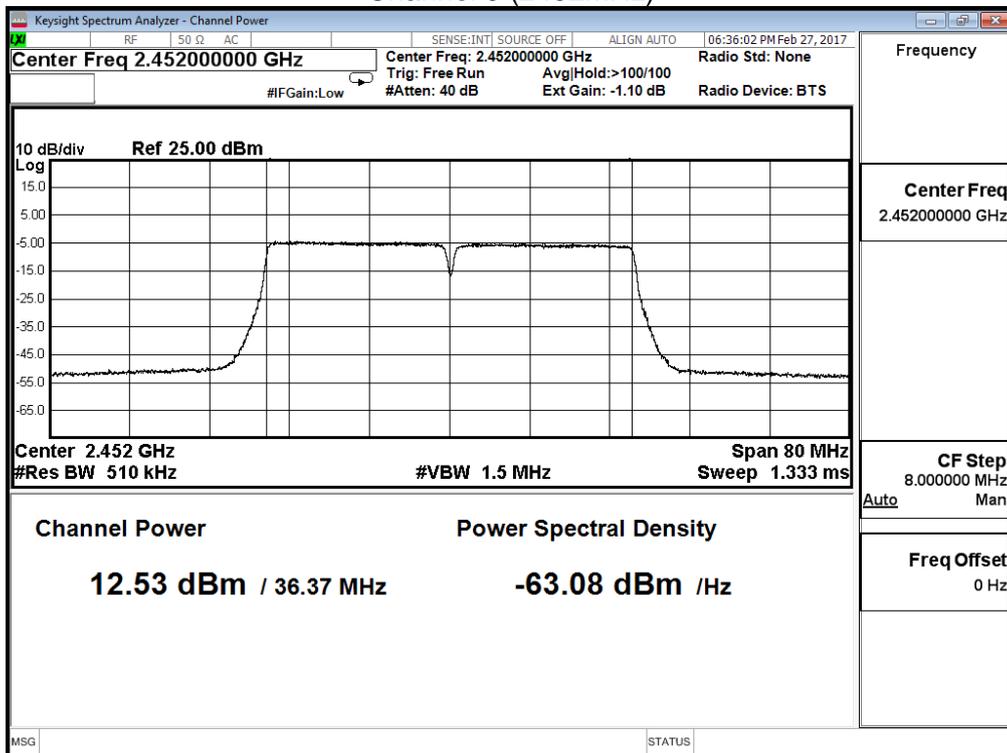
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n40 (ANT 0+1+2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	20.948	≤ 30
6	2437	21.398	≤ 30
9	2452	17.308	≤ 30

Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n20 (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	18.560	≤29.90
6	2437	24.560	≤29.90
11	2462	13.520	≤29.90

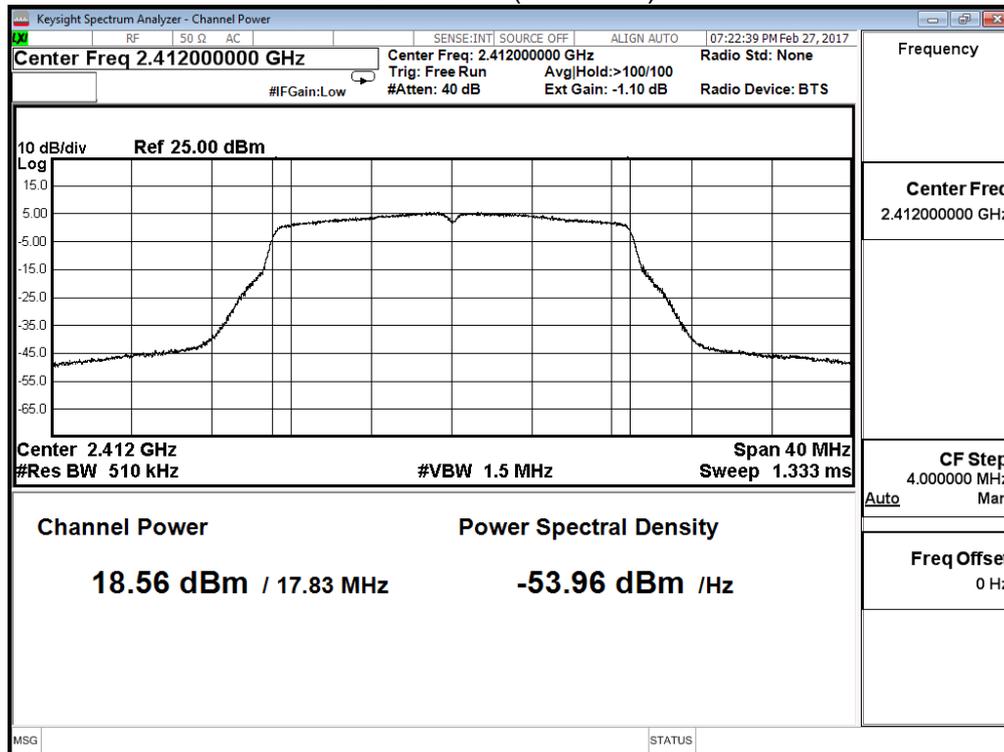
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
1	2412	18.560	--	--	--	--	--	--	--	≤29.90
6	2437	24.560	24.330	24.110	24.010	23.920	23.770	23.550	23.390	≤29.90
11	2462	13.520	--	--	--	--	--	--	--	≤29.90

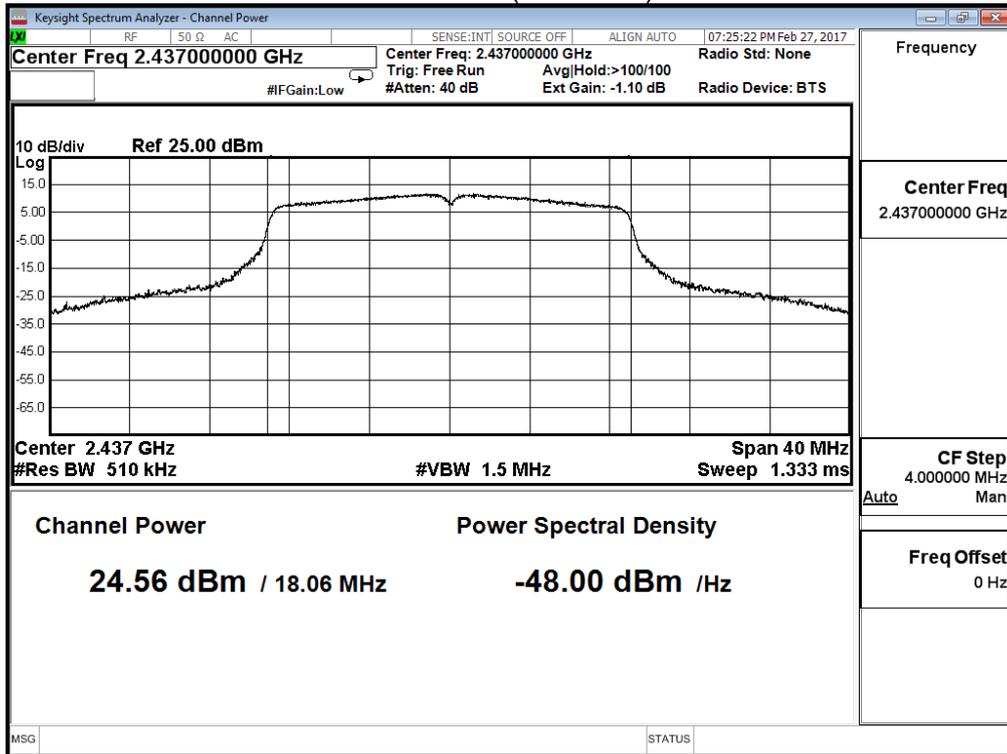
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =30dBm-(6.1dBi-6dBi)=29.90dBm

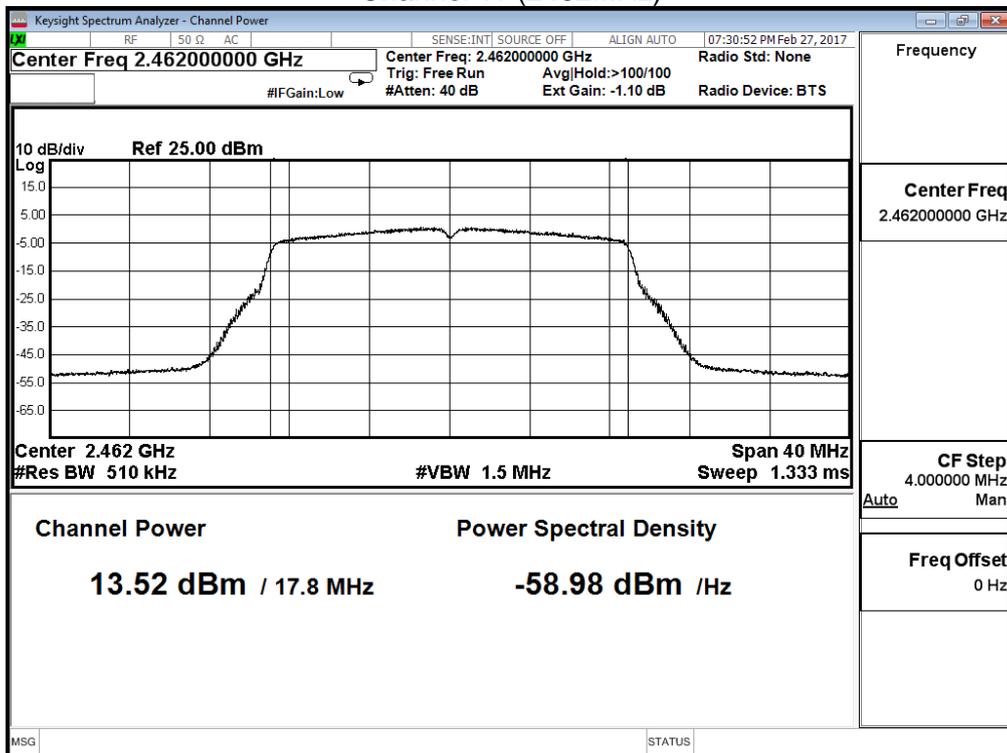
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n20 (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	18.500	≤ 29.90
6	2437	24.510	≤ 29.90
11	2462	13.600	≤ 29.90

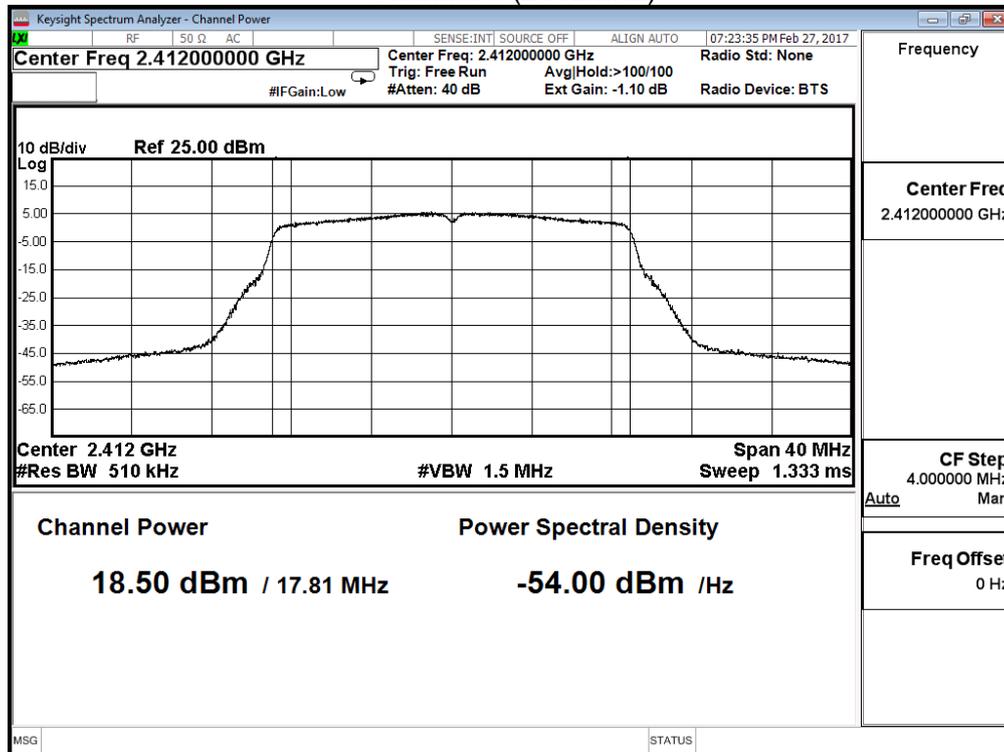
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
1	2412	18.500	--	--	--	--	--	--	--	≤ 29.90
6	2437	24.510	24.330	24.120	24.010	23.890	23.710	23.580	23.360	≤ 29.90
11	2462	13.600	--	--	--	--	--	--	--	≤ 29.90

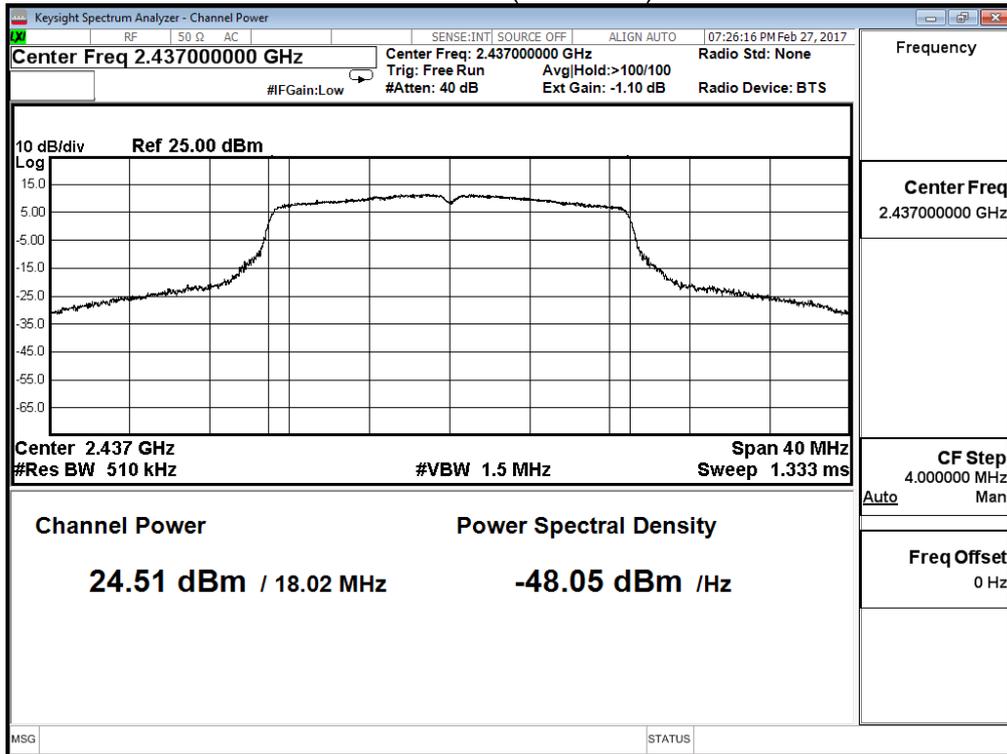
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =30dBm-(6.1dBi-6dBi)=29.90dBm

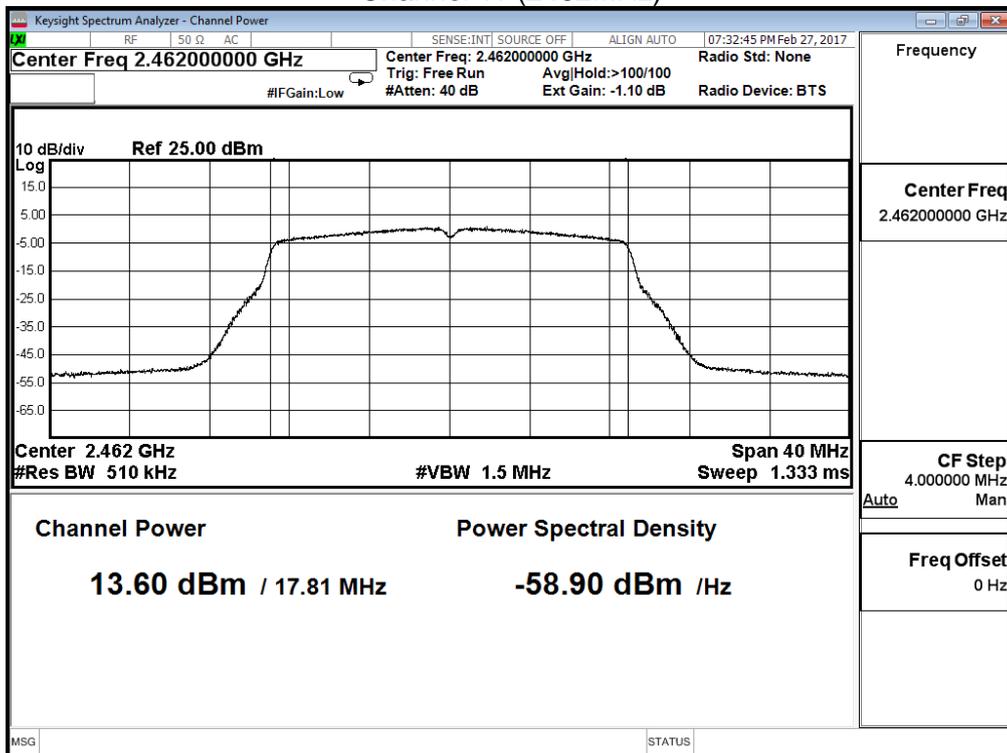
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n20 (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	18.590	≤29.90
6	2437	24.560	≤29.90
11	2462	13.580	≤29.90

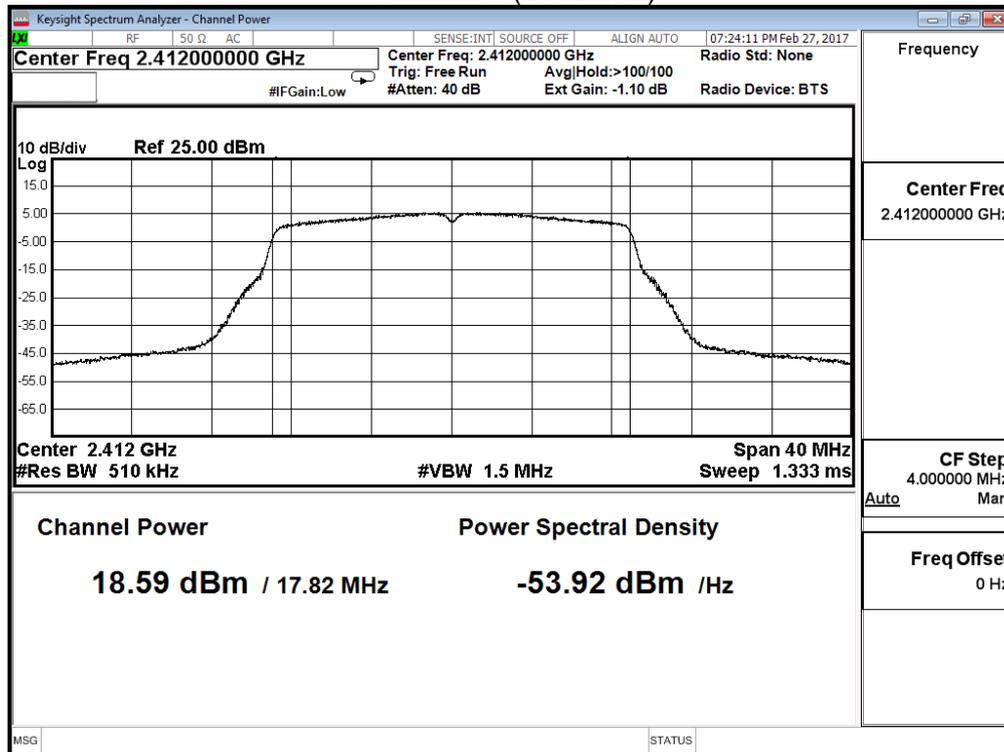
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
1	2412	18.590	--	--	--	--	--	--	--	≤29.90
6	2437	24.560	24.420	24.280	24.120	24.010	23.880	24.620	24.380	≤29.90
11	2462	13.580	--	--	--	--	--	--	--	≤29.90

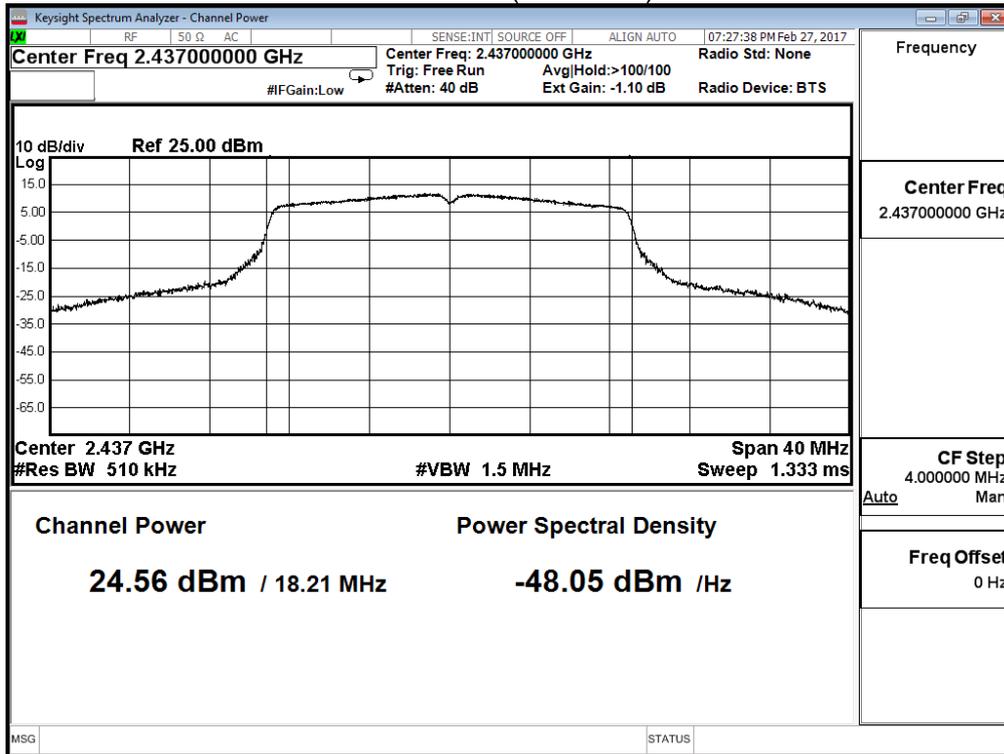
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =30dBm-(6.1dBi-6dBi)=29.90dBm

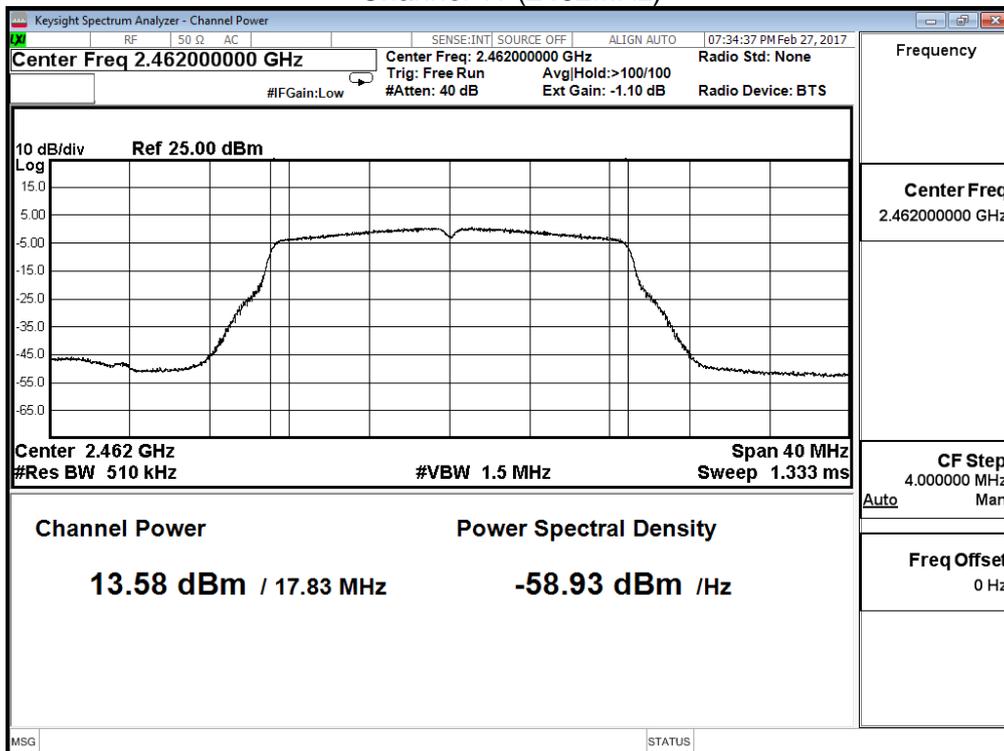
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n20 (ANT 0+1+2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	23.321	≤29.90
6	2437	29.315	≤29.90
11	2462	18.338	≤29.90

Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =30dBm-(6.1dBi-6dBi)=29.90dBm

Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n40 (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	15.570	≤29.90
6	2437	14.560	≤29.90
9	2452	10.030	≤29.90

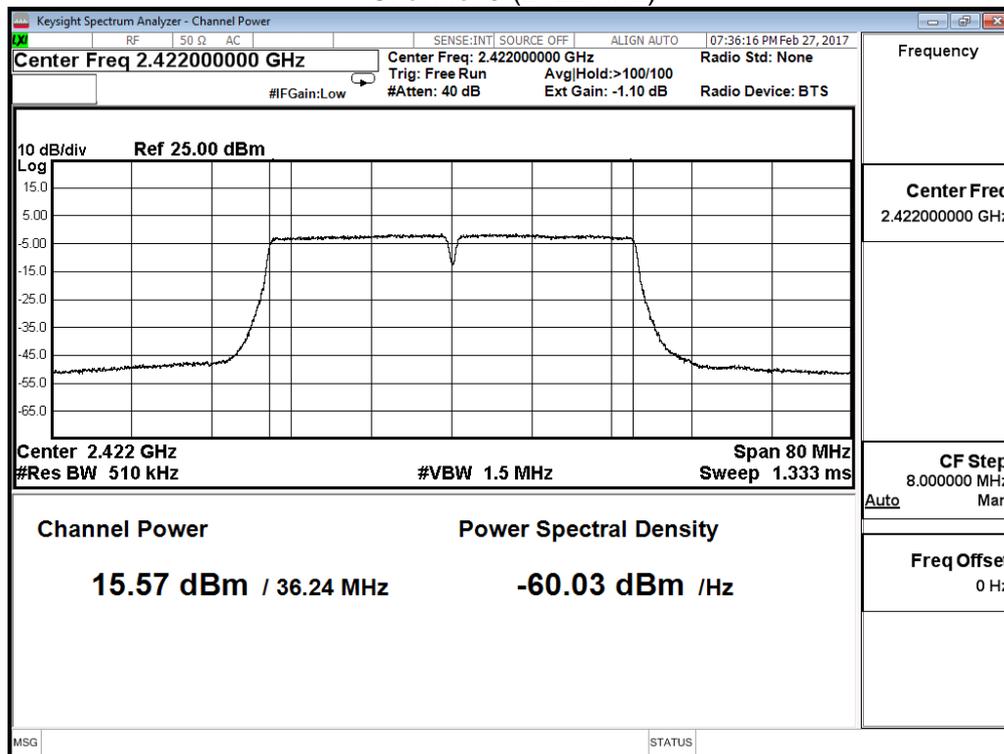
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
3	2422	15.570	--	--	--	--	--	--	--	≤29.90
6	2437	14.560	14.400	14.210	14.080	13.890	13.620	13.510	13.280	≤29.90
9	2452	10.030	--	--	--	--	--	--	--	≤29.90

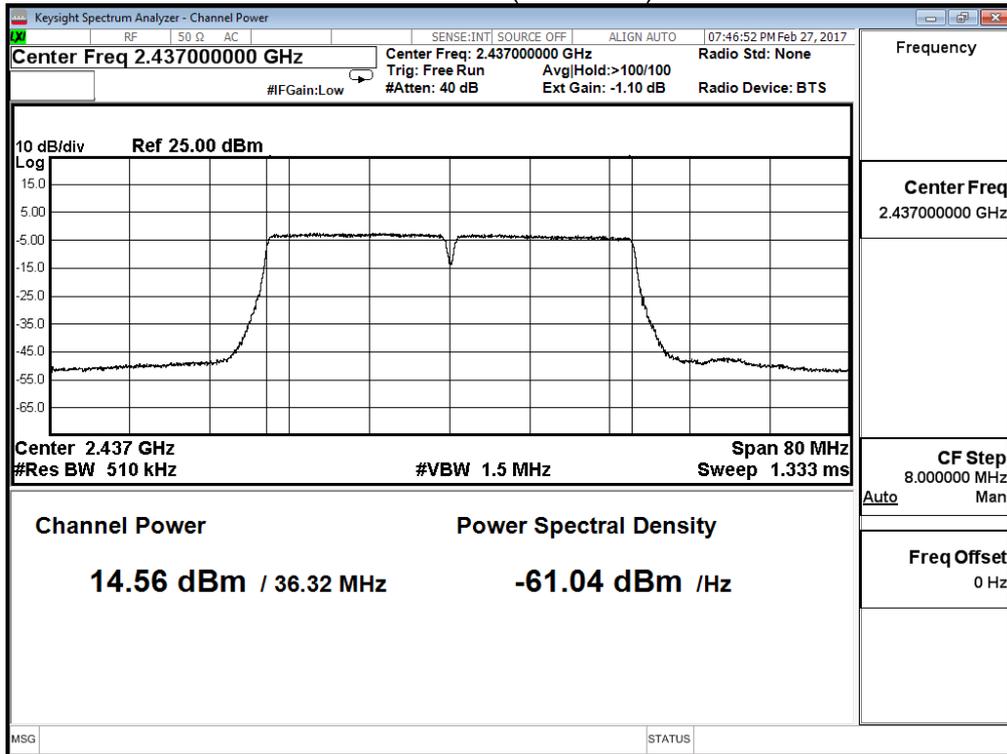
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =30dBm-(6.1dBi-6dBi)=29.90dBm

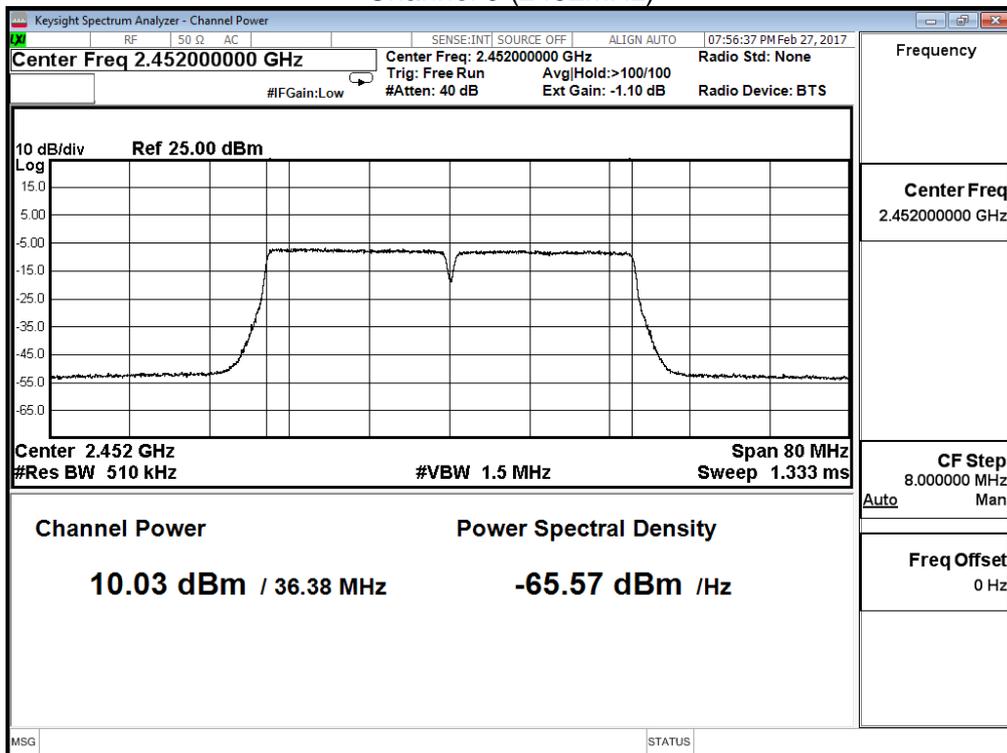
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n40 (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	15.580	≤29.90
6	2437	14.550	≤29.90
9	2452	10.020	≤29.90

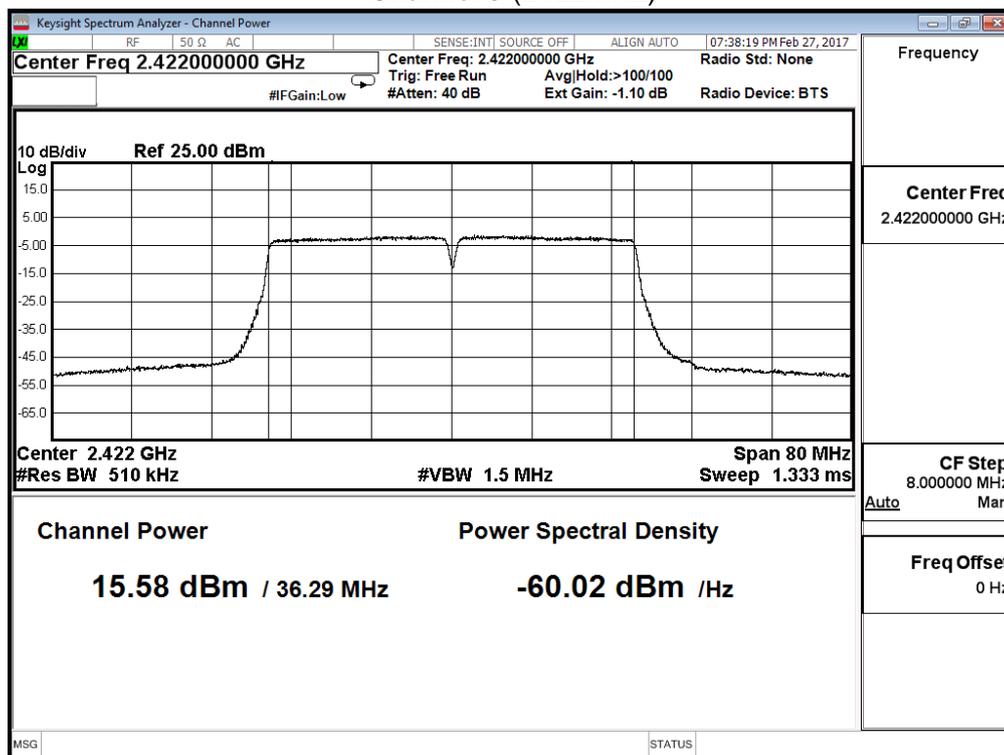
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
3	2422	15.580	--	--	--	--	--	--	--	≤29.90
6	2437	14.550	14.320	14.180	13.920	13.720	13.580	13.300	13.180	≤29.90
9	2452	10.020	--	--	--	--	--	--	--	≤29.90

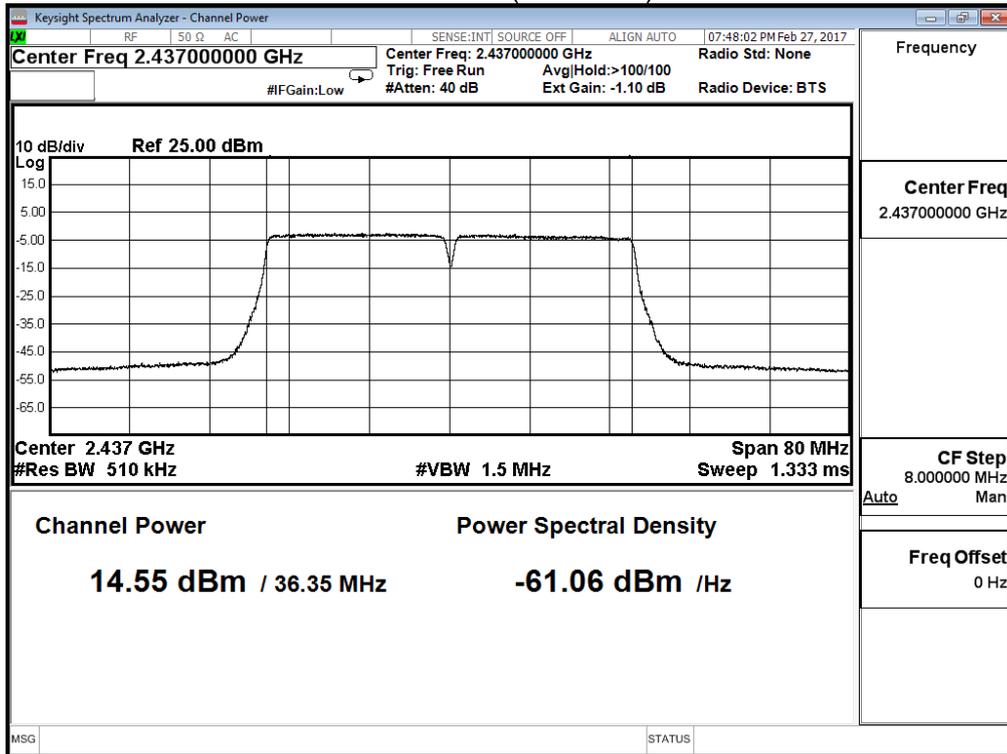
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =30dBm-(6.1dBi-6dBi)=29.90dBm

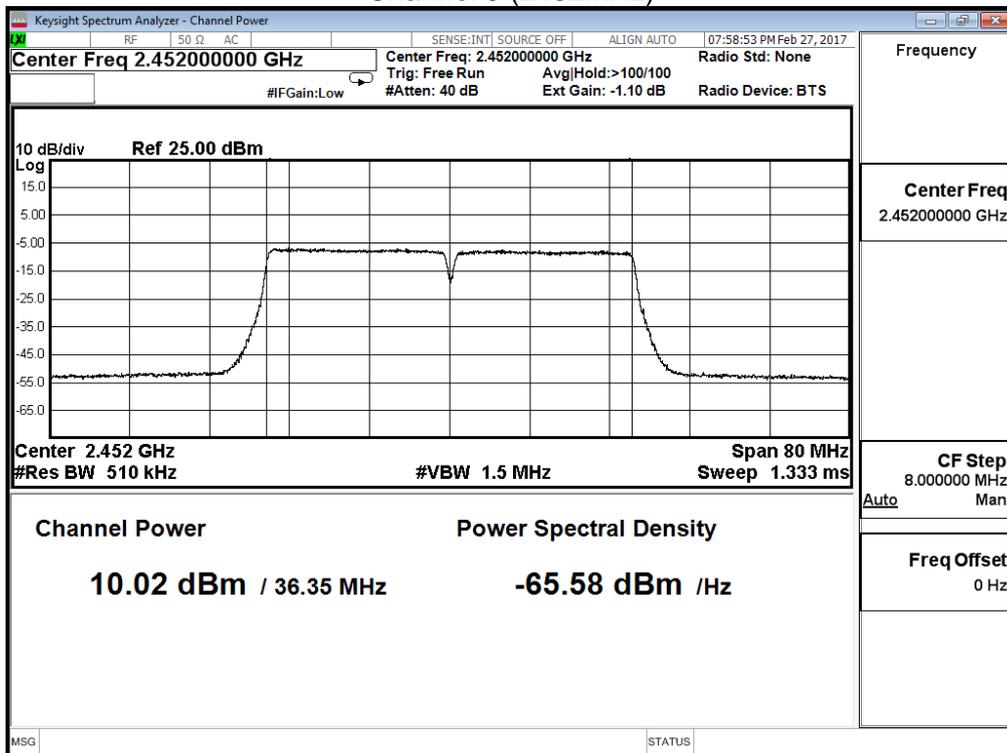
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n40 (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	15.570	≤29.90
6	2437	14.570	≤29.90
9	2452	10.150	≤29.90

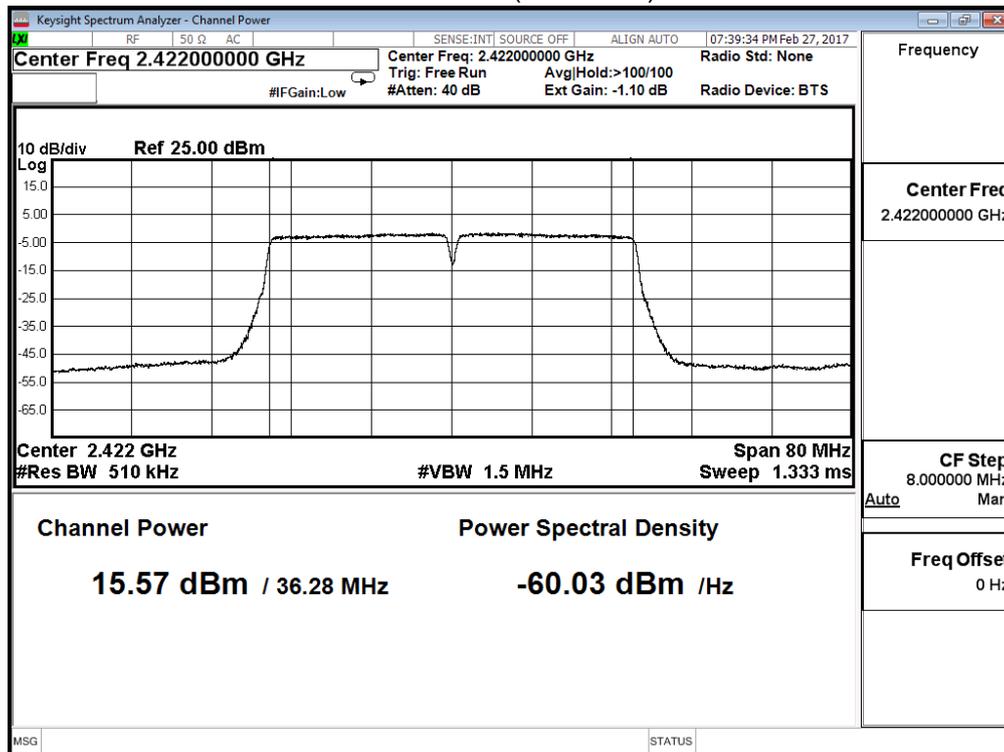
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
3	2422	15.570	--	--	--	--	--	--	--	≤29.90
6	2437	14.570	14.280	14.080	13.920	13.720	13.580	13.320	13.110	≤29.90
9	2452	10.150	--	--	--	--	--	--	--	≤29.90

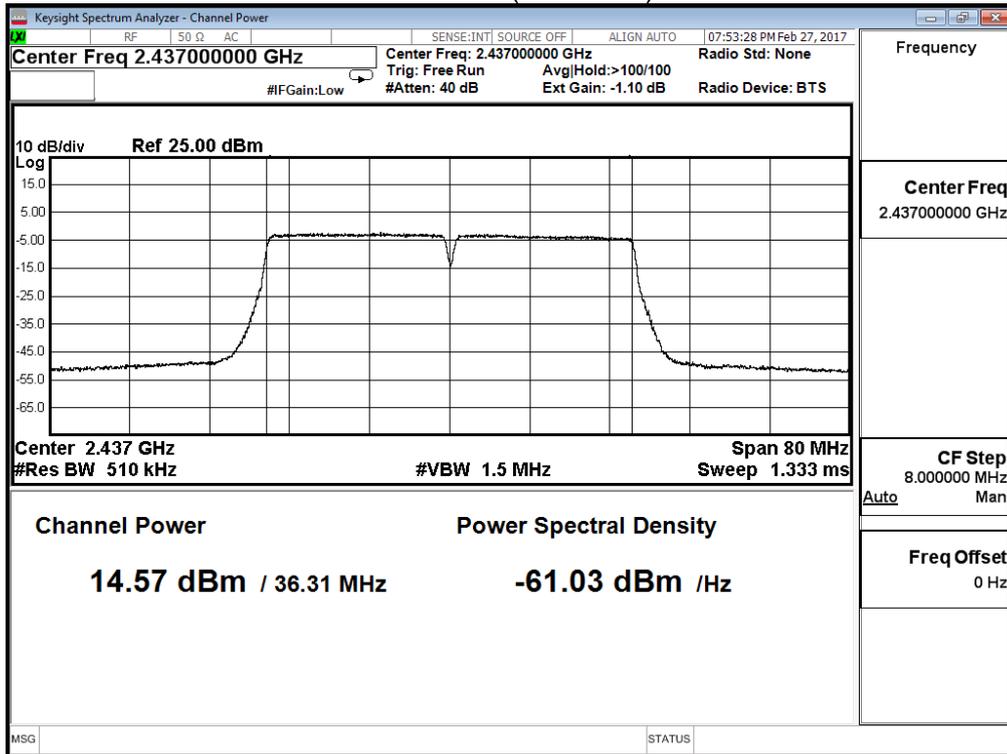
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =30dBm-(6.1dBi-6dBi)=29.90dBm

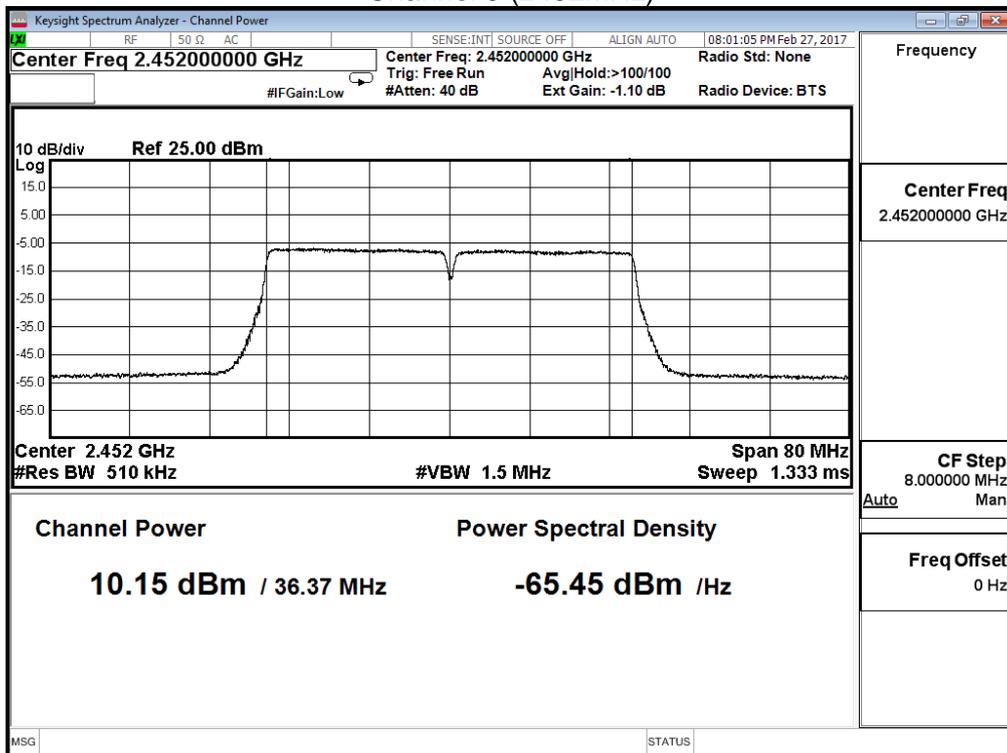
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11n40 (ANT 0+1+2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
3	2422	20.345	≤ 29.90
6	2437	19.331	≤ 29.90
9	2452	14.838	≤ 29.90

Directional gain= $10\log(\text{ANT N})+\text{Gain}=4.77+1.33=6.1$

Limit = $30\text{dBm}-(6.1\text{dBi}-6\text{dBi})=29.90\text{dBm}$

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

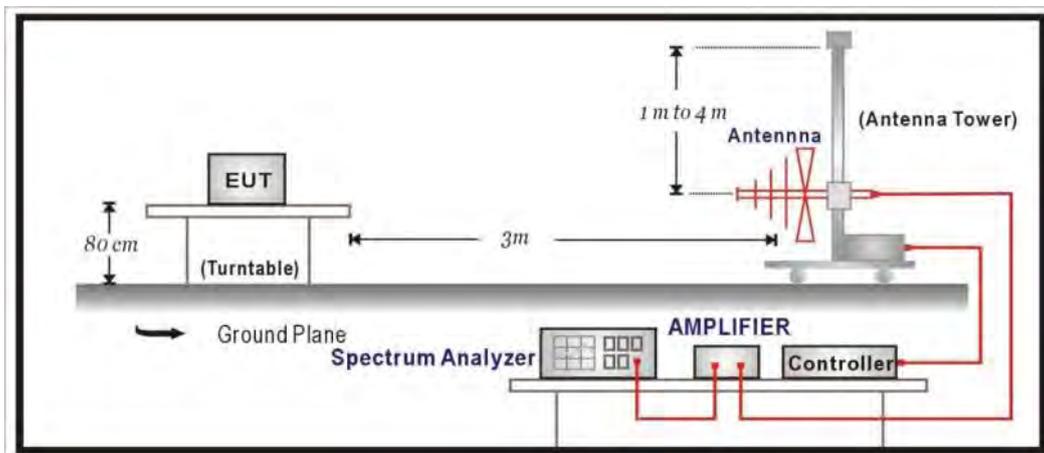
Radiated Emission / CB4-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	Schaffner	CBL6112B	2891	2017/08/14
Horn Antenna	Schwarzbeck	BBHA 9120	D312	2017/10/25
Pre-Amplifier	EMCI	EMC0031835	980233	2018/02/02
Pre-Amplifier	Schwarzbeck	DBL-1840N506	013	2017/09/29
Pre-Amplifier	Miteq	JS41-001040000-58-5P	1573954	2017/10/04
Horn Antenna	Schwarzbeck	BBHA 9170	203	2017/08/28
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/22

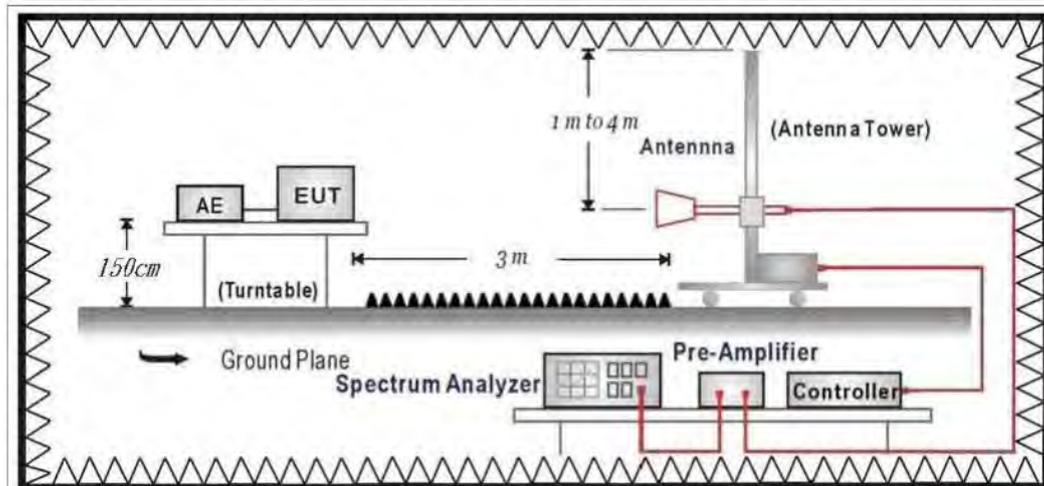
Note: All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. 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)

4.4. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to DTS test procedure of KDB558074 v03r05 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.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

4.6. Uncertainty

The measurement uncertainty

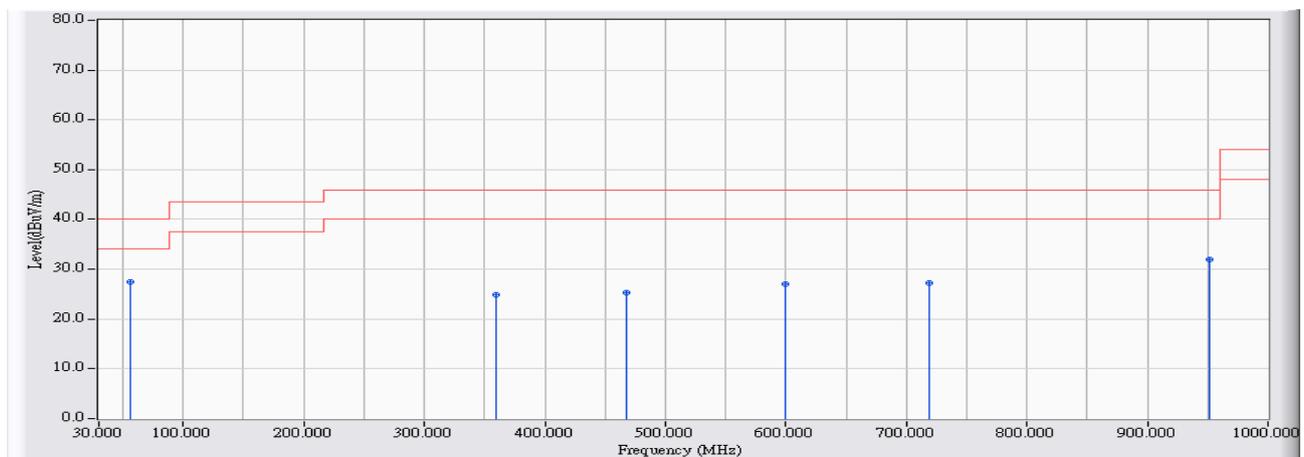
30MHz~1GHz as ± 3.43 dB

1GHz~26.5Ghz as ± 3.65 dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11b_2437MHz

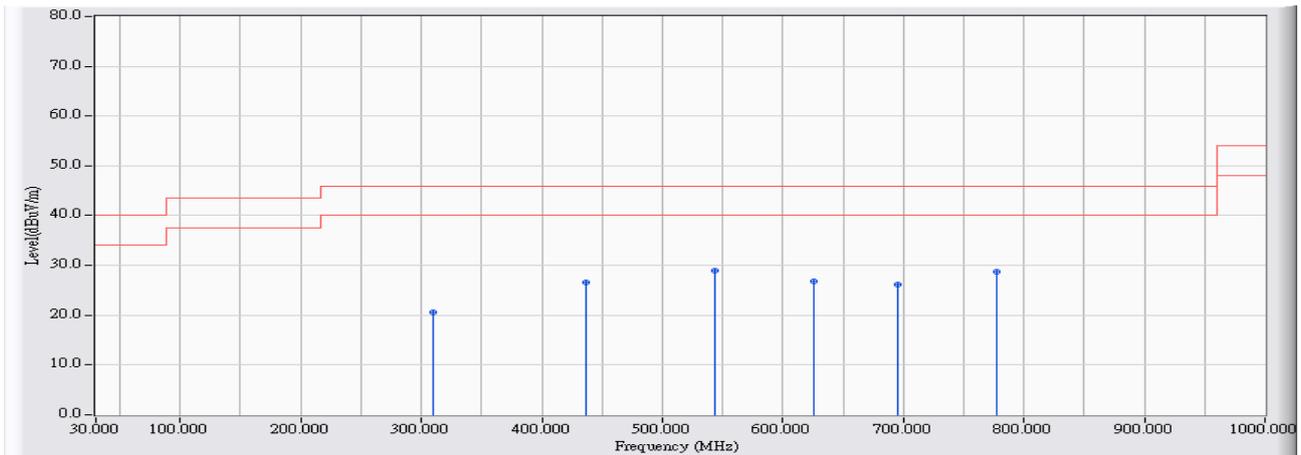


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	56.190	-27.274	54.811	27.537	-12.463	40.000	QUASPEAK
2		359.315	-17.204	42.097	24.893	-21.107	46.000	QUASPEAK
3		467.955	-14.551	39.945	25.395	-20.605	46.000	QUASPEAK
4		599.390	-12.723	39.756	27.034	-18.966	46.000	QUASPEAK
5		718.700	-11.200	38.483	27.283	-18.717	46.000	QUASPEAK
6		951.015	-7.173	39.224	32.051	-13.949	46.000	QUASPEAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11b_2437MHz

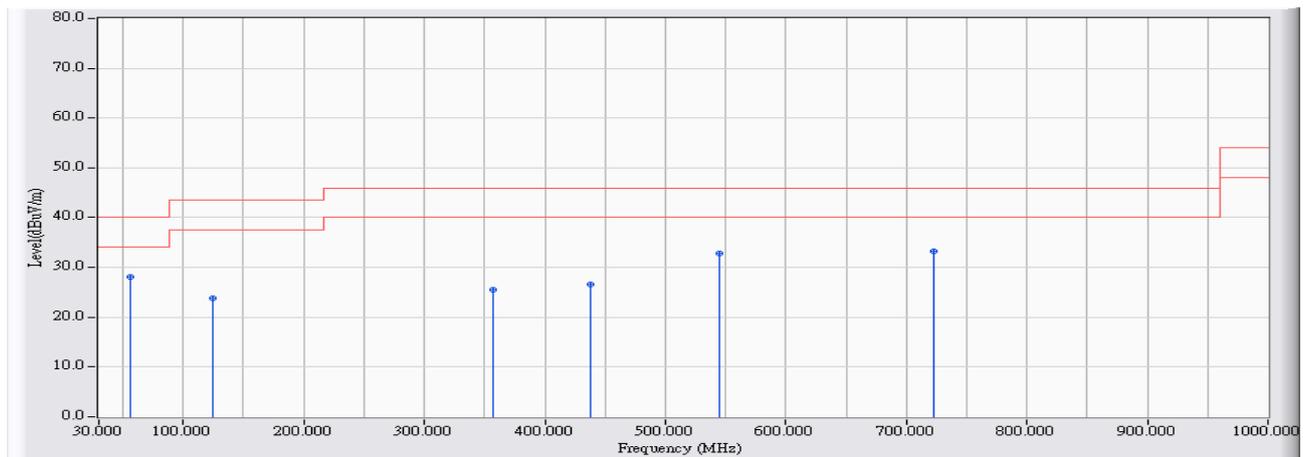


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	309.845	-19.237	39.754	20.516	-25.484	46.000	QUASIPeAK
2	436.915	-15.278	41.900	26.622	-19.378	46.000	QUASIPeAK
3	* 543.615	-13.334	42.394	29.060	-16.940	46.000	QUASIPeAK
4	625.095	-11.980	38.730	26.749	-19.251	46.000	QUASIPeAK
5	695.905	-11.884	38.078	26.194	-19.806	46.000	QUASIPeAK
6	776.900	-9.835	38.543	28.708	-17.292	46.000	QUASIPeAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11g_2437MHz

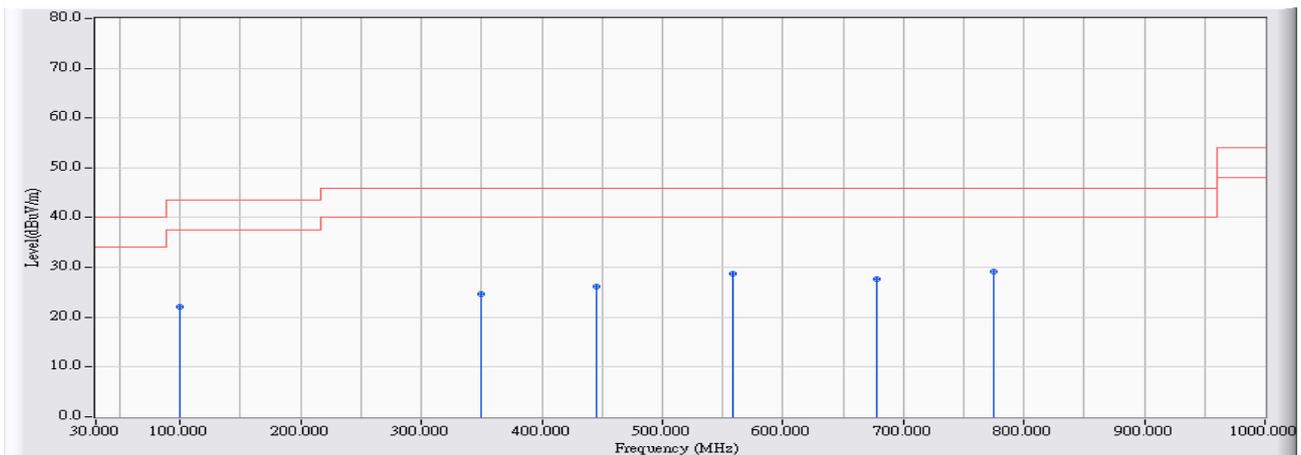


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	55.705	-27.141	55.266	28.125	-11.875	40.000	QUASIPeAK
2		125.060	-21.198	45.022	23.824	-19.676	43.500	QUASIPeAK
3		356.890	-17.234	42.814	25.580	-20.420	46.000	QUASIPeAK
4		437.400	-15.263	41.890	26.627	-19.373	46.000	QUASIPeAK
5		545.070	-13.300	46.167	32.866	-13.134	46.000	QUASIPeAK
6		722.095	-10.977	44.234	33.257	-12.743	46.000	QUASIPeAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11g_2437MHz

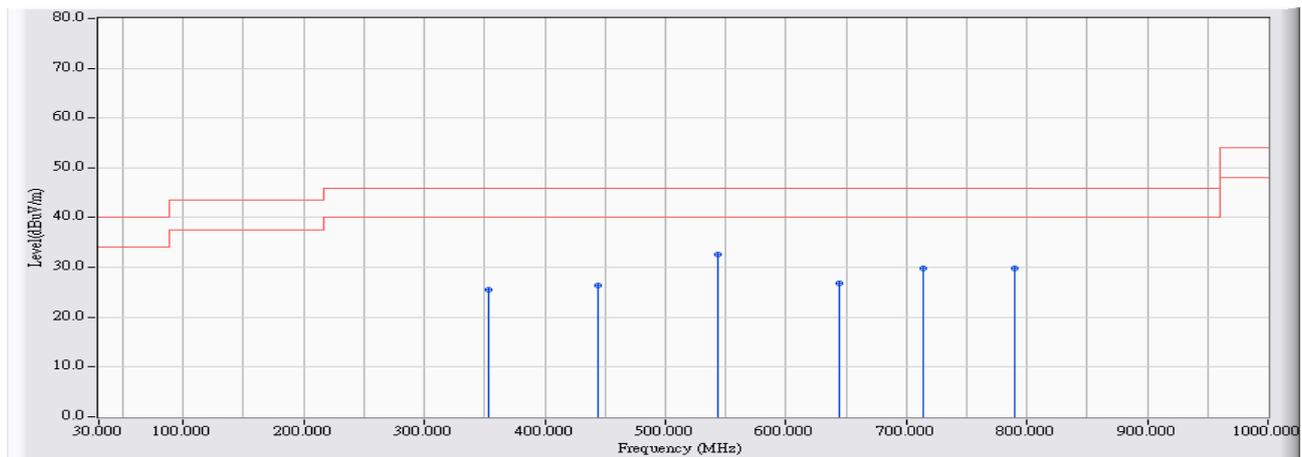


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	99.840	-23.412	45.449	22.037	-21.463	43.500	QUASPEAK
2	350.100	-17.315	41.877	24.562	-21.438	46.000	QUASPEAK
3	445.645	-14.887	40.950	26.063	-19.937	46.000	QUASPEAK
4	558.165	-13.109	41.919	28.810	-17.190	46.000	QUASPEAK
5	678.445	-11.356	38.935	27.579	-18.421	46.000	QUASPEAK
6	* 775.445	-9.964	39.216	29.252	-16.748	46.000	QUASPEAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2437MHz

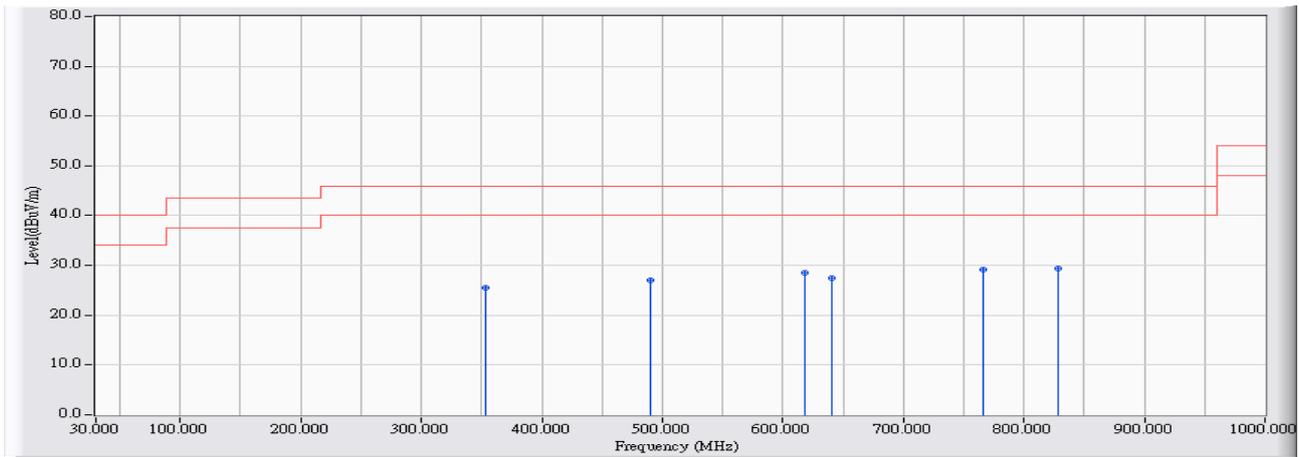


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	353.495	-17.274	42.783	25.509	-20.491	46.000	QUASPEAK
2	444.190	-14.964	41.304	26.340	-19.660	46.000	QUASPEAK
3	* 543.615	-13.334	45.970	32.636	-13.364	46.000	QUASPEAK
4	644.495	-12.817	39.652	26.834	-19.166	46.000	QUASPEAK
5	714.335	-11.551	41.286	29.735	-16.265	46.000	QUASPEAK
6	789.510	-9.829	39.547	29.717	-16.283	46.000	QUASPEAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2437MHz

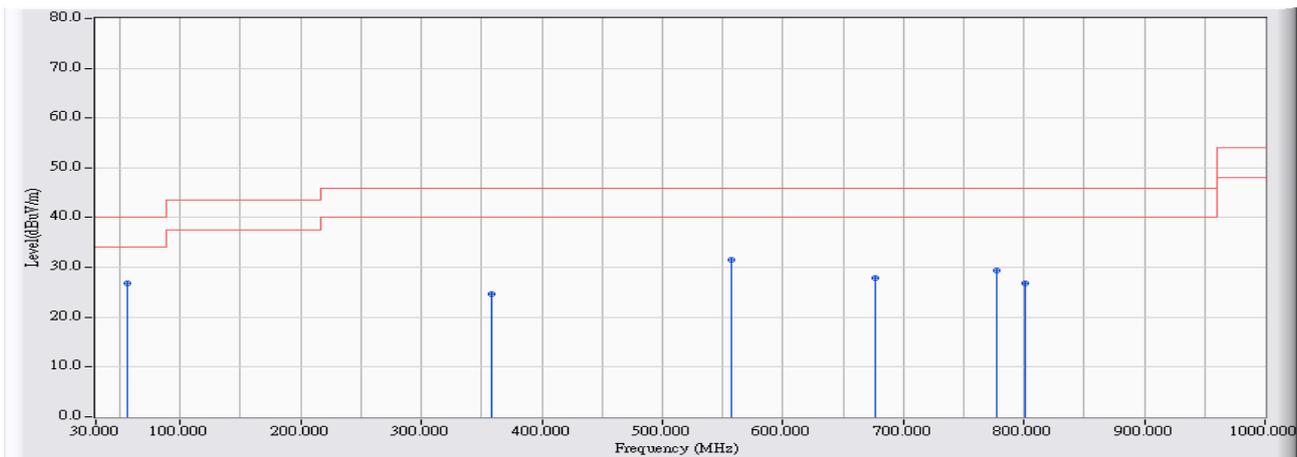


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	353.495	-17.274	42.783	25.509	-20.491	46.000	QUASIPeAK
2	490.265	-14.190	41.142	26.951	-19.049	46.000	QUASIPeAK
3	618.790	-11.865	40.412	28.546	-17.454	46.000	QUASIPeAK
4	641.100	-12.743	40.252	27.509	-18.491	46.000	QUASIPeAK
5	766.715	-10.666	39.839	29.173	-16.827	46.000	QUASIPeAK
6	* 827.825	-9.766	39.235	29.469	-16.531	46.000	QUASIPeAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2437MHz

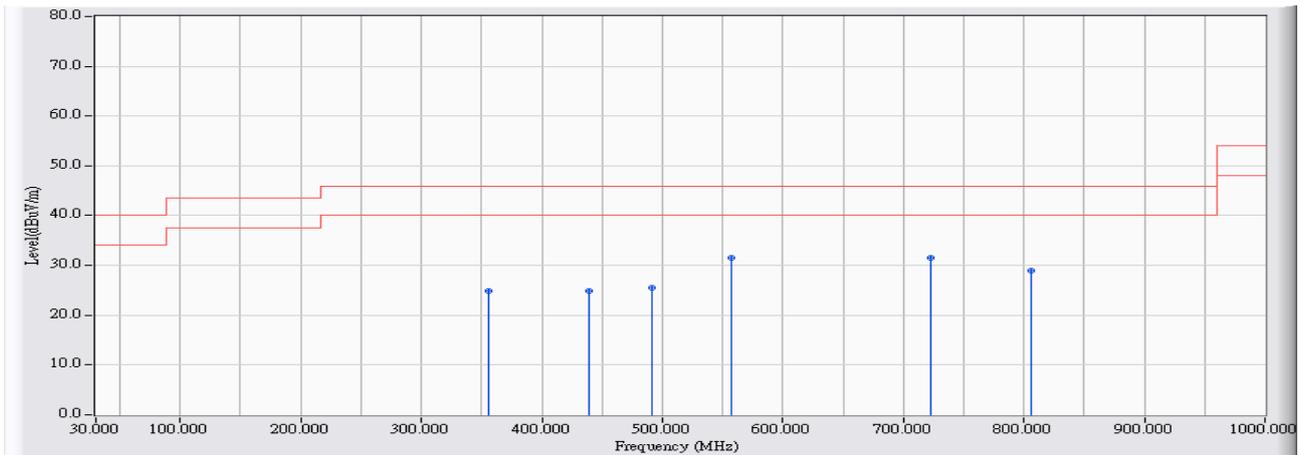


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	55.705	-27.141	53.921	26.780	-13.220	40.000	QUASPEAK
2		357.860	-17.222	41.960	24.738	-21.262	46.000	QUASPEAK
3		557.680	-13.114	44.695	31.581	-14.419	46.000	QUASPEAK
4		676.505	-11.387	39.223	27.836	-18.164	46.000	QUASPEAK
5		777.385	-9.792	39.132	29.341	-16.659	46.000	QUASPEAK
6		800.665	-10.475	37.316	26.841	-19.159	46.000	QUASPEAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2437MHz

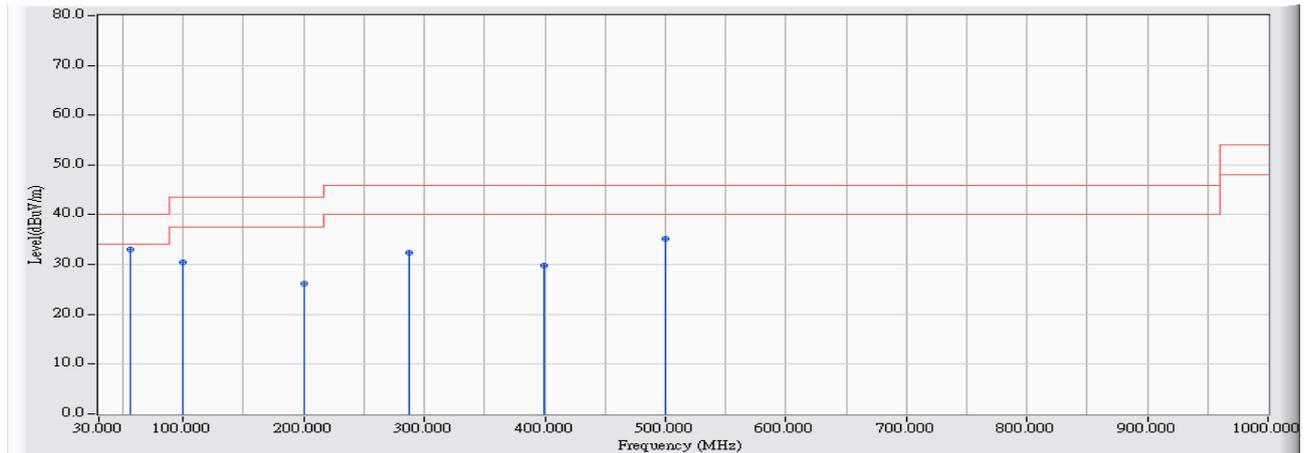


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	355.920	-17.245	42.215	24.970	-21.030	46.000	QUASPEAK
2	439.340	-15.204	40.058	24.854	-21.146	46.000	QUASPEAK
3	491.720	-14.168	39.786	25.618	-20.382	46.000	QUASPEAK
4	* 557.680	-13.114	44.695	31.581	-14.419	46.000	QUASPEAK
5	722.095	-10.977	42.452	31.475	-14.525	46.000	QUASPEAK
6	806.000	-10.445	39.452	29.007	-16.993	46.000	QUASPEAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 4: Tx_ADP: ADP-33AW_802.11b_2437MHz

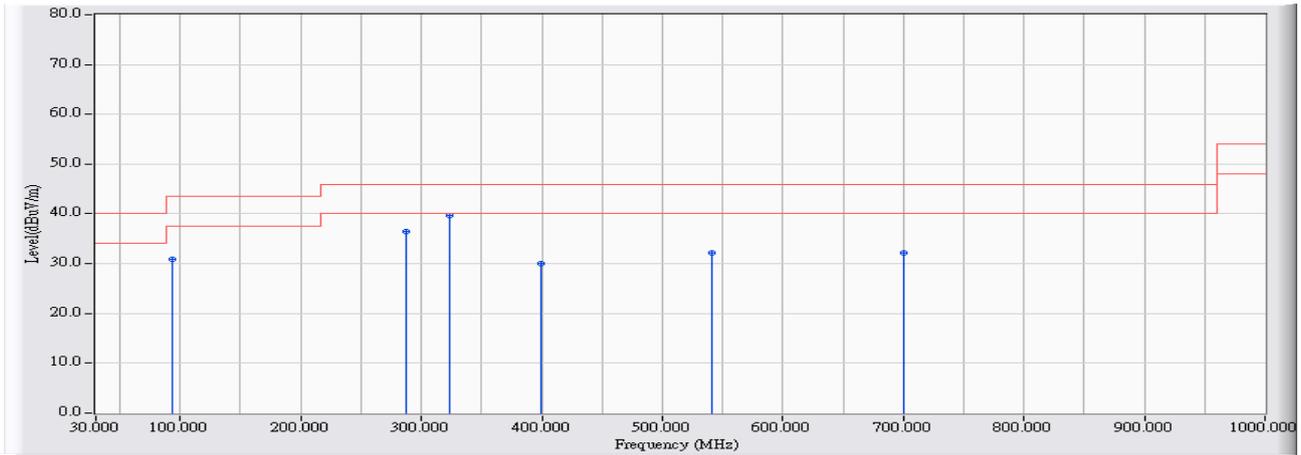


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	55.702	-26.995	59.997	33.002	-6.998	40.000	QUASPEAK
2		100.027	-23.401	53.852	30.451	-13.049	43.500	QUASPEAK
3		200.024	-23.331	49.461	26.130	-17.370	43.500	QUASPEAK
4		287.994	-19.503	51.807	32.304	-13.696	46.000	QUASPEAK
5		399.921	-16.019	45.757	29.739	-16.261	46.000	QUASPEAK
6		500.015	-14.418	49.490	35.071	-10.929	46.000	QUASPEAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 4: Tx_ADP: ADP-33AW_802.11b_2437MHz

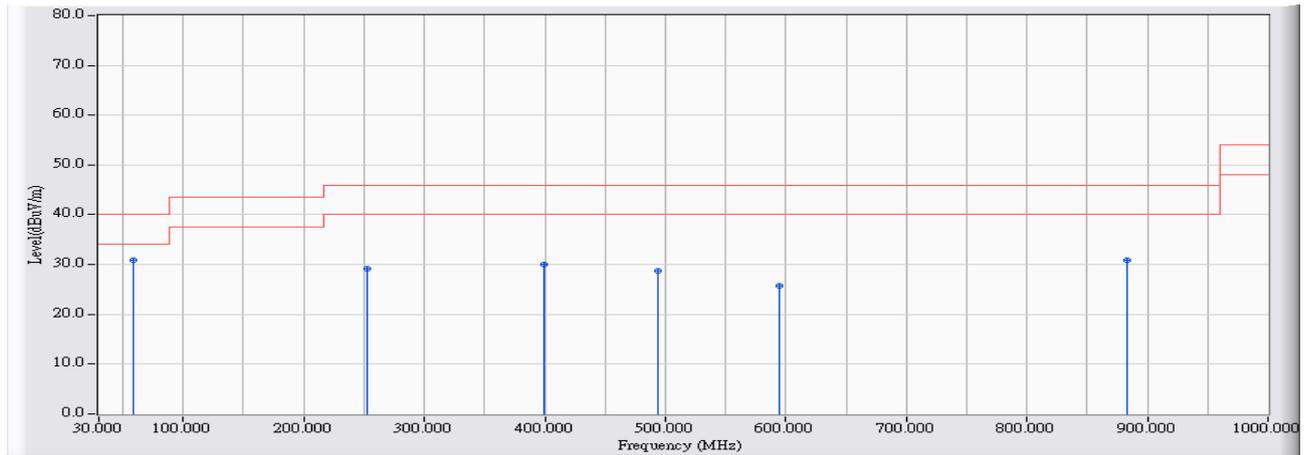


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	94.014	-24.644	55.447	30.803	-12.697	43.500	QUASPEAK
2	287.994	-19.503	56.029	36.526	-9.474	46.000	QUASPEAK
3	* 323.978	-18.890	58.646	39.756	-6.244	46.000	QUASPEAK
4	399.921	-16.019	46.130	30.112	-15.888	46.000	QUASPEAK
5	540.848	-13.797	46.017	32.220	-13.780	46.000	QUASPEAK
6	700.009	-12.593	44.661	32.068	-13.932	46.000	QUASPEAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 4: Tx_ADP: ADP-33AW_ 802.11g_2437MHz

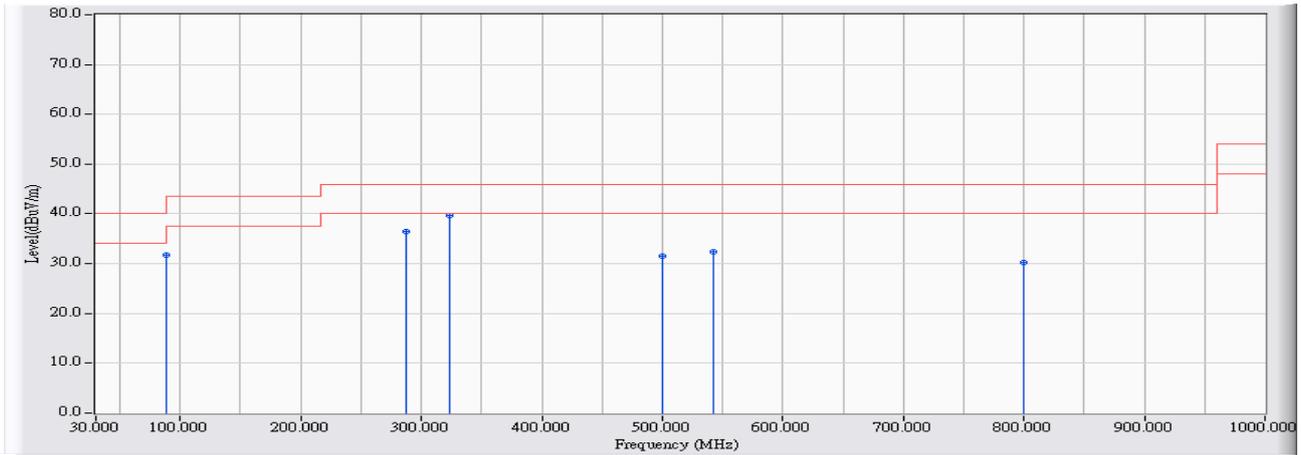


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	58.127	-27.677	58.520	30.842	-9.158	40.000	QUASPEAK
2		252.011	-20.309	49.491	29.183	-16.817	46.000	QUASPEAK
3		399.921	-16.019	46.130	30.112	-15.888	46.000	QUASPEAK
4		493.517	-14.513	43.157	28.645	-17.355	46.000	QUASPEAK
5		593.999	-13.451	39.251	25.800	-20.200	46.000	QUASPEAK
6		883.321	-9.117	40.049	30.932	-15.068	46.000	QUASPEAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 4: Tx_ADP: ADP-33AW_802.11g_2437MHz

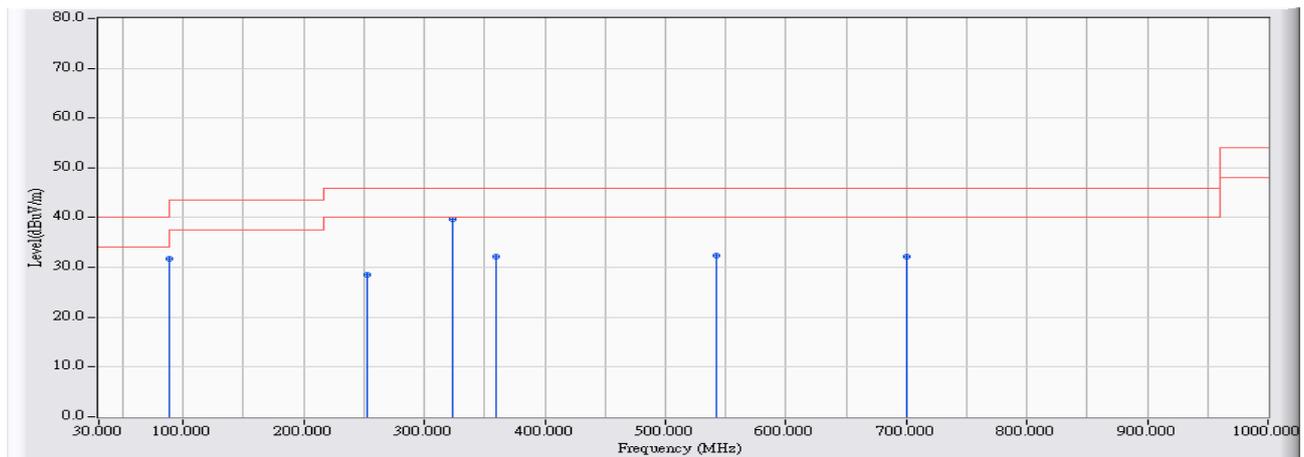


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	88.873	-25.650	57.292	31.642	-11.858	43.500	QUASPEAK
2	287.994	-19.503	55.984	36.481	-9.519	46.000	QUASPEAK
3	* 323.978	-18.890	58.543	39.653	-6.347	46.000	QUASPEAK
4	500.015	-14.418	45.941	31.522	-14.478	46.000	QUASPEAK
5	542.206	-13.768	46.208	32.440	-13.560	46.000	QUASPEAK
6	800.006	-10.974	41.192	30.218	-15.782	46.000	QUASPEAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 4: Tx_ADP: ADP-33AW_802.11n(20M)_2437MHz

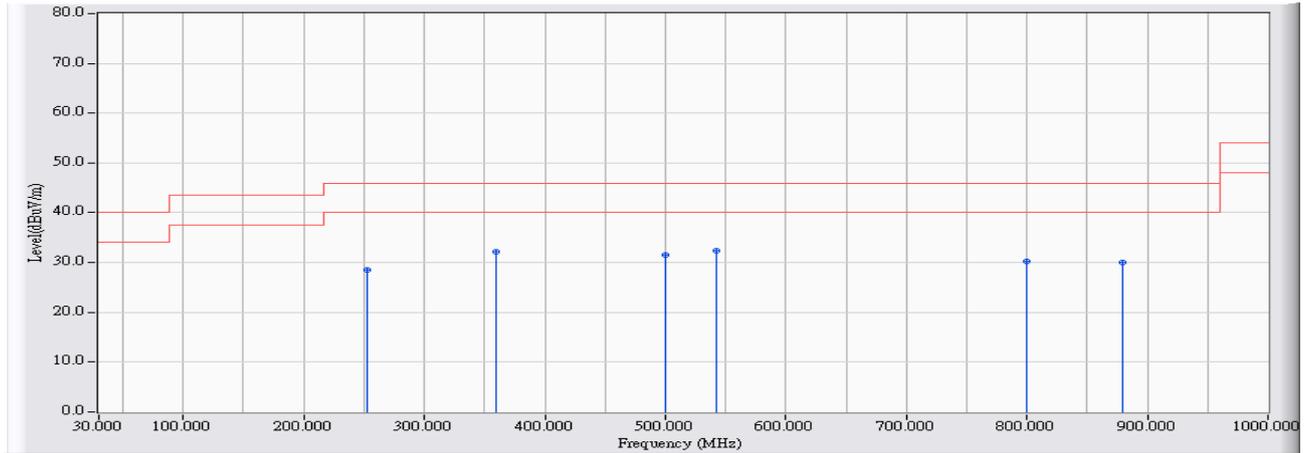


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	88.873	-25.650	57.292	31.642	-11.858	43.500	QUASPEAK
2	252.011	-20.309	48.936	28.628	-17.372	46.000	QUASPEAK
3	* 323.978	-18.890	58.543	39.653	-6.347	46.000	QUASPEAK
4	359.961	-17.469	49.676	32.207	-13.793	46.000	QUASPEAK
5	542.206	-13.768	46.208	32.440	-13.560	46.000	QUASPEAK
6	700.009	-12.593	44.711	32.118	-13.882	46.000	QUASPEAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 4: Tx_ADP: ADP-33AW_ 802.11n(20M)_2437MHz

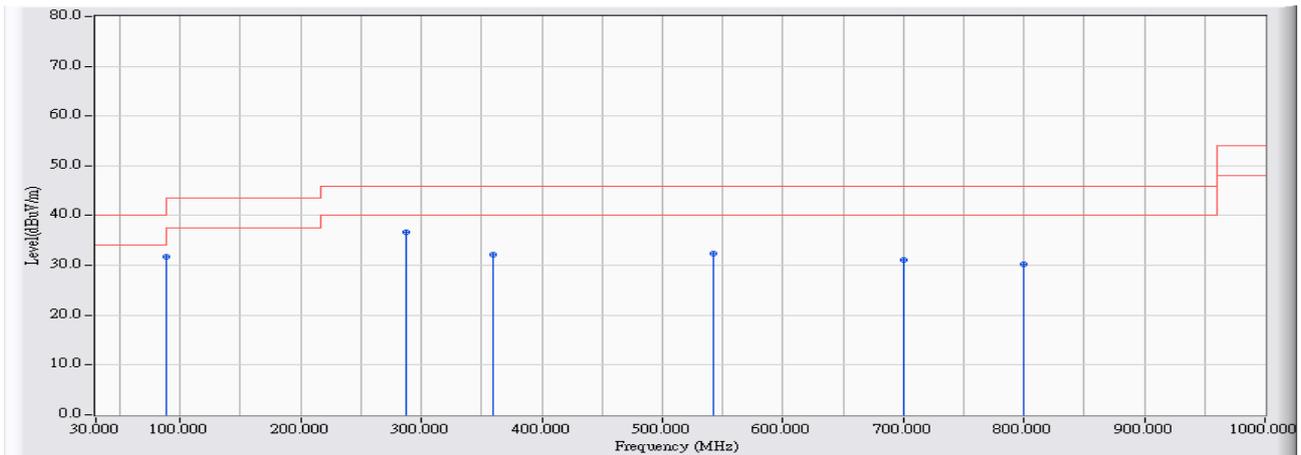


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	252.011	-20.309	48.936	28.628	-17.372	46.000	QUASPEAK
2	359.961	-17.469	49.676	32.207	-13.793	46.000	QUASPEAK
3	500.015	-14.418	45.941	31.522	-14.478	46.000	QUASPEAK
4	* 542.206	-13.768	46.208	32.440	-13.560	46.000	QUASPEAK
5	800.006	-10.974	41.213	30.239	-15.761	46.000	QUASPEAK
6	879.829	-9.311	39.284	29.973	-16.027	46.000	QUASPEAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 4: Tx_ADP: ADP-33AW_802.11n(40M)_2437MHz

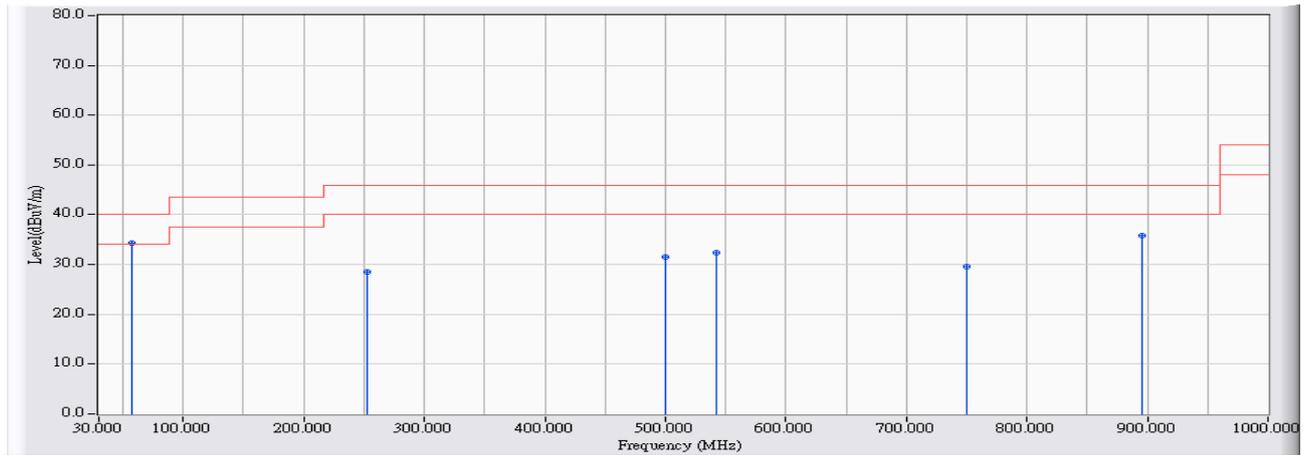


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	88.873	-25.650	57.292	31.642	-11.858	43.500	QUASPEAK
2	* 287.994	-19.503	56.095	36.592	-9.408	46.000	QUASPEAK
3	359.961	-17.469	49.676	32.207	-13.793	46.000	QUASPEAK
4	542.206	-13.768	46.208	32.440	-13.560	46.000	QUASPEAK
5	699.912	-12.592	43.622	31.031	-14.969	46.000	QUASPEAK
6	800.006	-10.974	41.213	30.239	-15.761	46.000	QUASPEAK

Note:

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

Site : CB4-H	Time : 2017/02/23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 4: Tx_ADP: ADP-33AW_ 802.11n(40M)_2437MHz



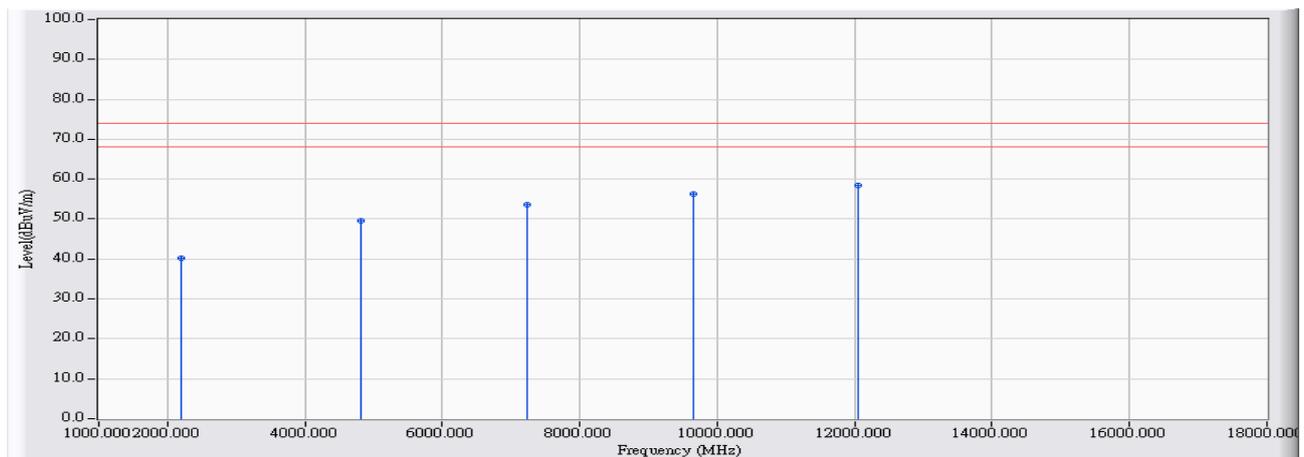
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	56.866	-27.323	61.724	34.401	-5.599	40.000	QUASPEAK
2		252.011	-20.309	48.936	28.628	-17.372	46.000	QUASPEAK
3		500.015	-14.418	46.048	31.629	-14.371	46.000	QUASPEAK
4		542.206	-13.768	46.208	32.440	-13.560	46.000	QUASPEAK
5		749.959	-11.873	41.390	29.517	-16.483	46.000	QUASPEAK
6		896.026	-9.131	44.978	35.847	-10.153	46.000	QUASPEAK

Note:

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

Above 1GHz Spurious

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11b_2412MHz

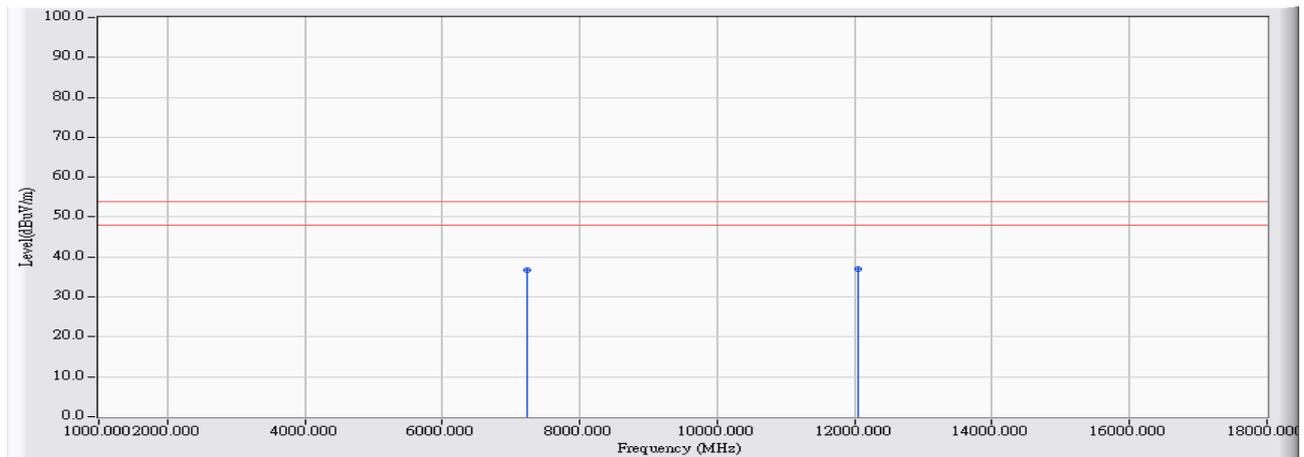


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2198.000	-8.734	49.010	40.276	-33.724	74.000	PEAK
2	4824.000	-0.326	49.840	49.514	-24.486	74.000	PEAK
3	7224.000	15.215	38.340	53.555	-20.445	74.000	PEAK
4	9647.000	21.231	35.100	56.330	-17.670	74.000	PEAK
5	* 12049.000	25.159	33.280	58.438	-15.562	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11b_2412MHz

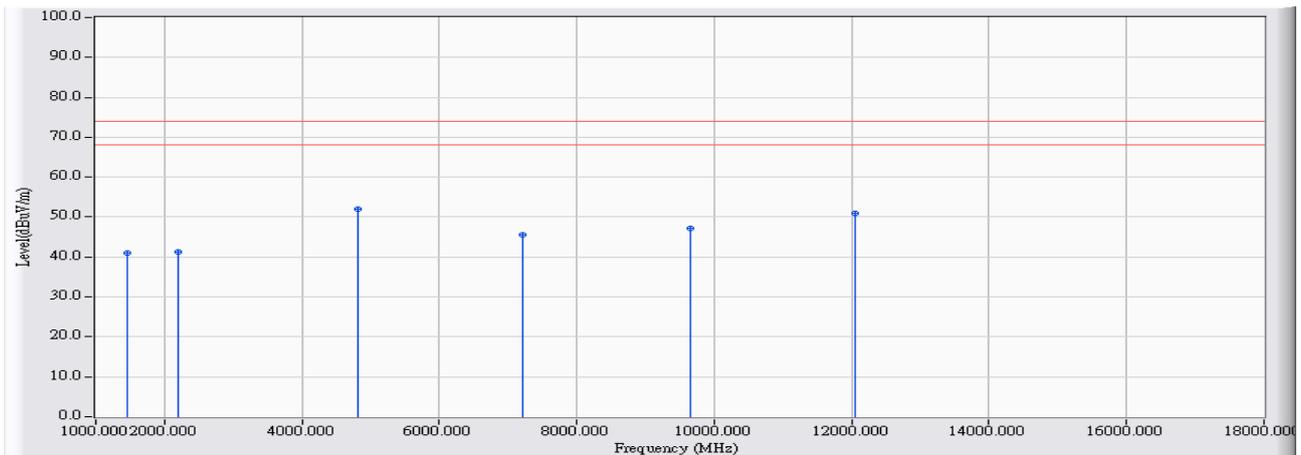


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	7235.000	7.175	29.580	36.756	-17.244	54.000	AVERAGE
2	* 12047.000	17.117	19.890	37.007	-16.993	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11b_2412MHz

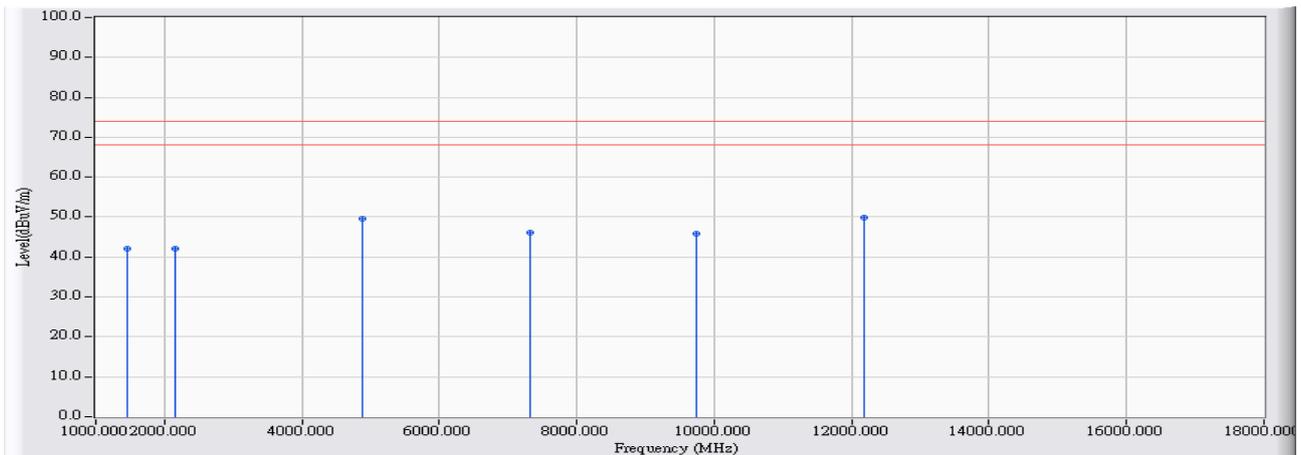


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1459.000	-11.489	52.490	41.001	-32.999	74.000	PEAK
2	2198.000	-8.734	49.910	41.176	-32.824	74.000	PEAK
3	* 4824.000	-0.326	52.290	51.964	-22.036	74.000	PEAK
4	7219.000	7.097	38.410	45.506	-28.494	74.000	PEAK
5	9644.000	12.115	35.120	47.235	-26.765	74.000	PEAK
6	12044.000	17.122	33.900	51.023	-22.977	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11b_2437MHz

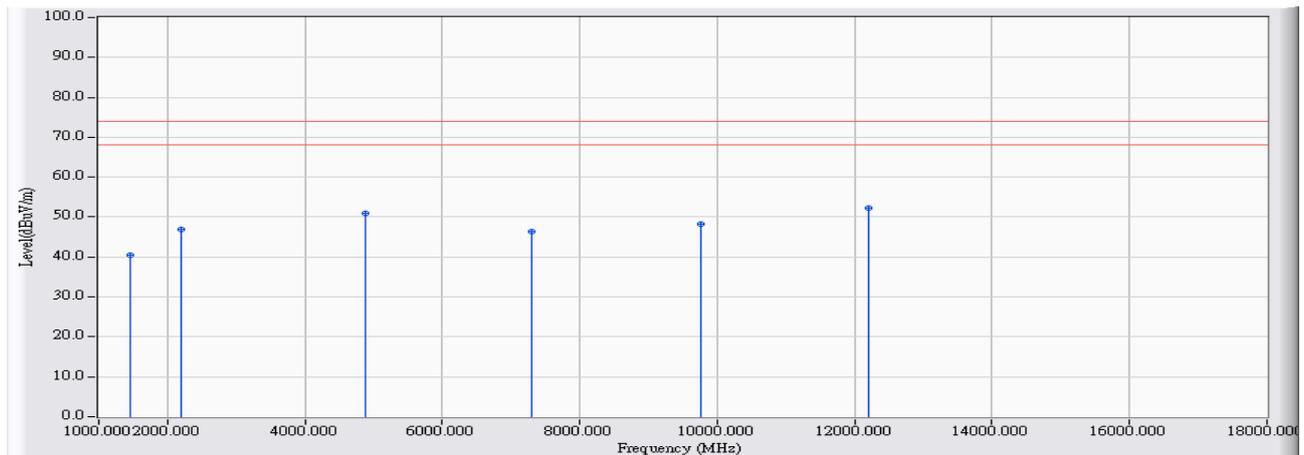


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1450.000	-11.531	53.660	42.129	-31.871	74.000	PEAK
2	2147.000	-8.951	51.160	42.209	-31.791	74.000	PEAK
3	4873.000	-0.205	49.860	49.655	-24.345	74.000	PEAK
4	7310.000	7.548	38.590	46.138	-27.862	74.000	PEAK
5	9735.000	12.259	33.550	45.809	-28.191	74.000	PEAK
6	* 12176.000	16.882	33.060	49.943	-24.057	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11b_2437MHz

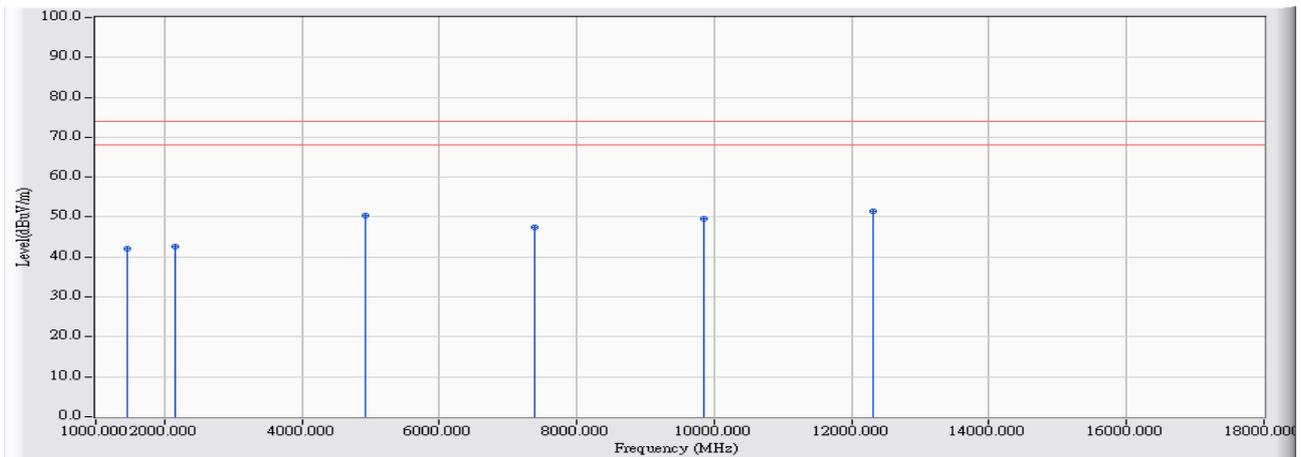


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1450.000	-11.531	51.940	40.409	-33.591	74.000	PEAK
2	2198.000	-8.734	55.550	46.816	-27.184	74.000	PEAK
3	4874.000	-0.202	51.260	51.058	-22.942	74.000	PEAK
4	7309.000	7.543	38.830	46.373	-27.627	74.000	PEAK
5	9765.000	12.301	35.880	48.181	-25.819	74.000	PEAK
6	* 12195.000	16.847	35.510	51.357	-22.643	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11b_2462MHz

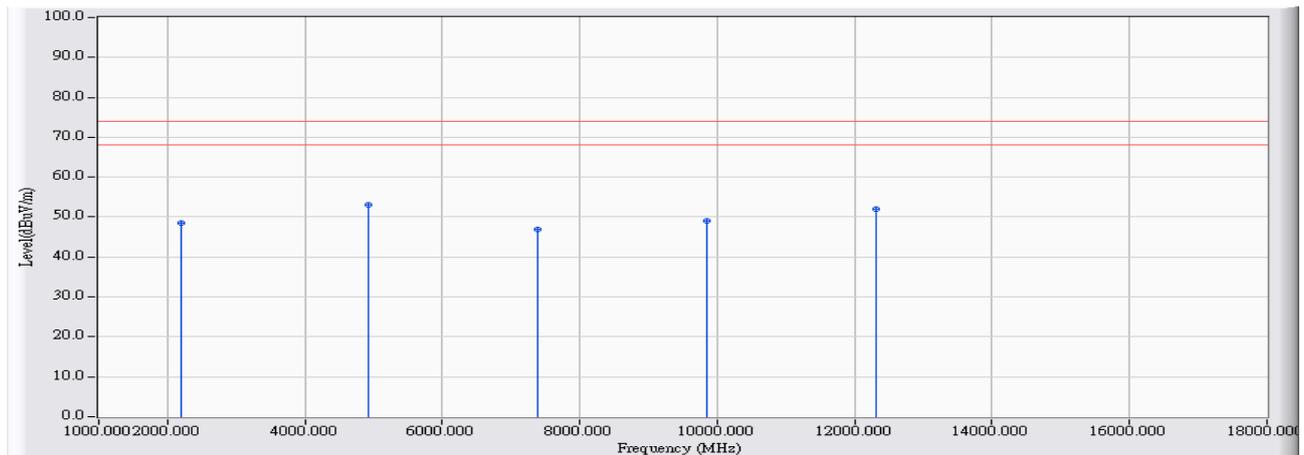


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1450.000	-11.531	53.520	41.989	-32.011	74.000	PEAK
2	2156.000	-8.913	51.630	42.718	-31.282	74.000	PEAK
3	4924.000	-0.078	50.370	50.292	-23.708	74.000	PEAK
4	7385.000	7.919	39.600	47.520	-26.480	74.000	PEAK
5	9847.000	12.416	37.220	49.636	-24.364	74.000	PEAK
6	* 12312.000	16.605	34.850	51.456	-22.544	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11b_2462MHz

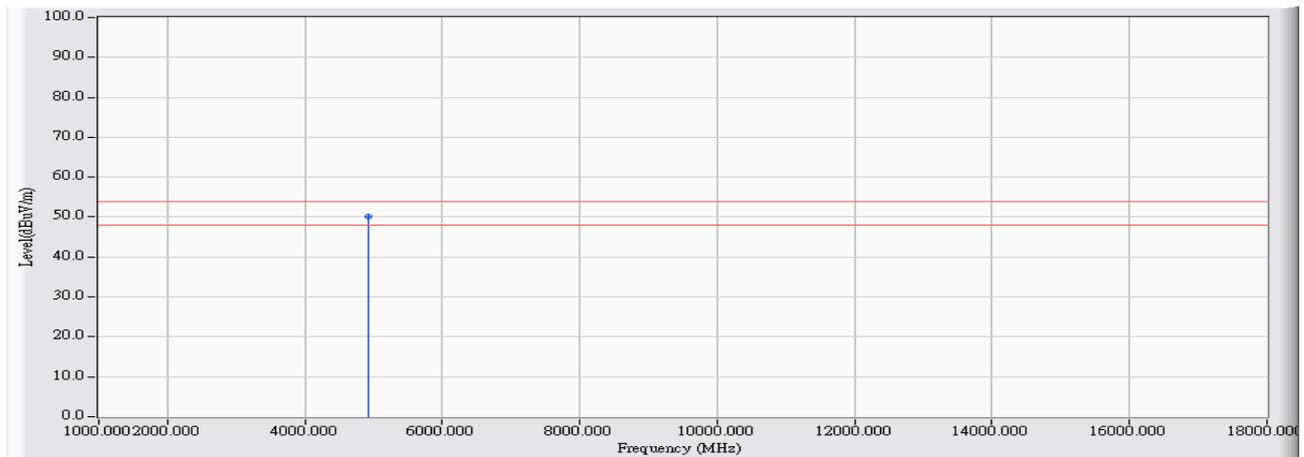


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2207.000	-8.696	57.140	48.443	-25.557	74.000	PEAK
2	* 4923.000	-0.081	53.110	53.029	-20.971	74.000	PEAK
3	7384.000	7.915	39.100	47.015	-26.985	74.000	PEAK
4	9838.000	12.403	36.780	49.183	-24.817	74.000	PEAK
5	12321.000	16.586	35.310	51.897	-22.103	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11b_2462MHz

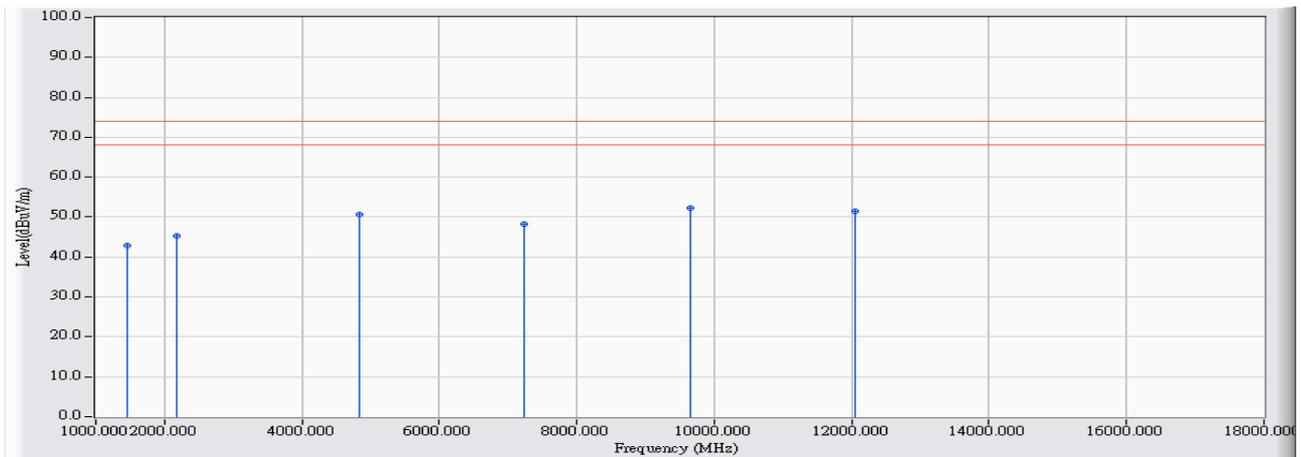


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.000	-0.081	50.150	50.069	-3.931	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11g_2412MHz

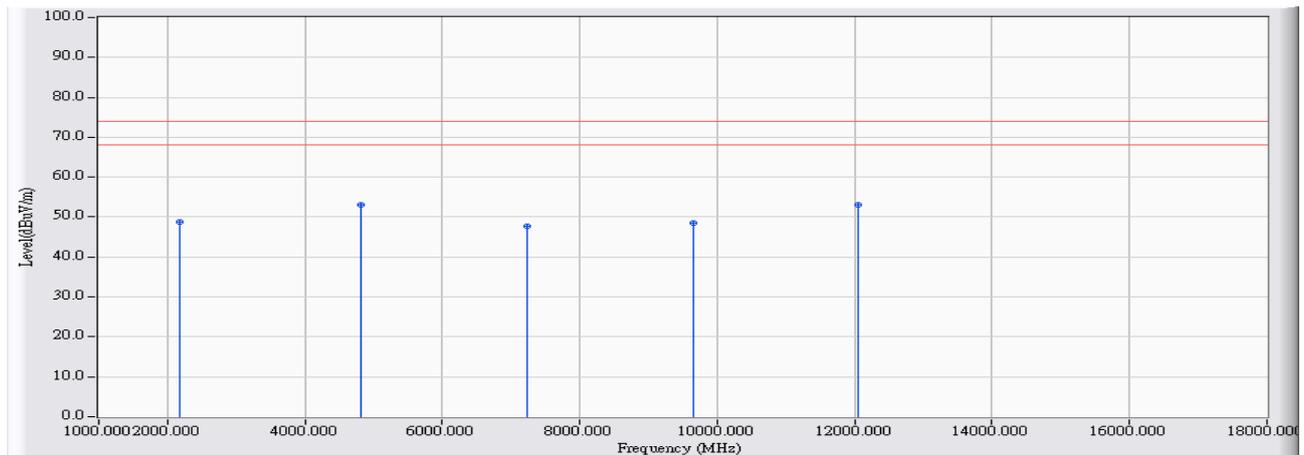


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1450.000	-11.531	54.340	42.809	-31.191	74.000	PEAK
2	2181.000	-8.806	54.190	45.385	-28.615	74.000	PEAK
3	4825.000	-0.324	51.070	50.746	-23.254	74.000	PEAK
4	7234.000	7.171	40.990	48.161	-25.839	74.000	PEAK
5	* 9655.000	12.133	40.271	52.404	-21.596	74.000	PEAK
6	12060.000	17.094	34.410	51.504	-22.496	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11g_2412MHz

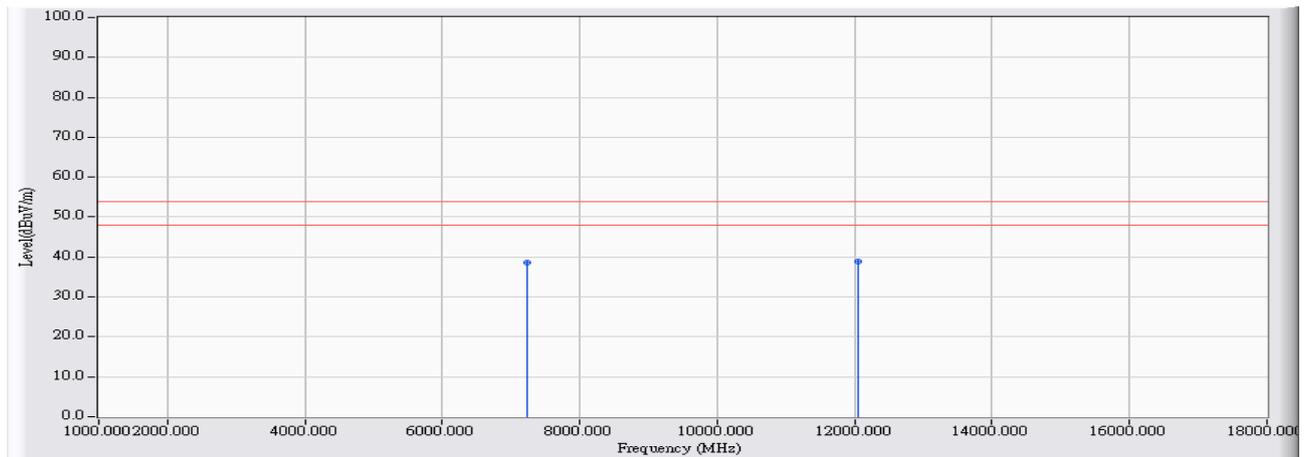


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2181.000	-8.806	57.590	48.785	-25.215	74.000	PEAK
2	4821.000	-0.335	53.380	53.046	-20.954	74.000	PEAK
3	7239.000	7.195	40.650	47.845	-26.155	74.000	PEAK
4	9642.000	12.112	36.480	48.591	-25.409	74.000	PEAK
5	* 12060.000	17.094	36.110	53.204	-20.796	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11g_2412MHz

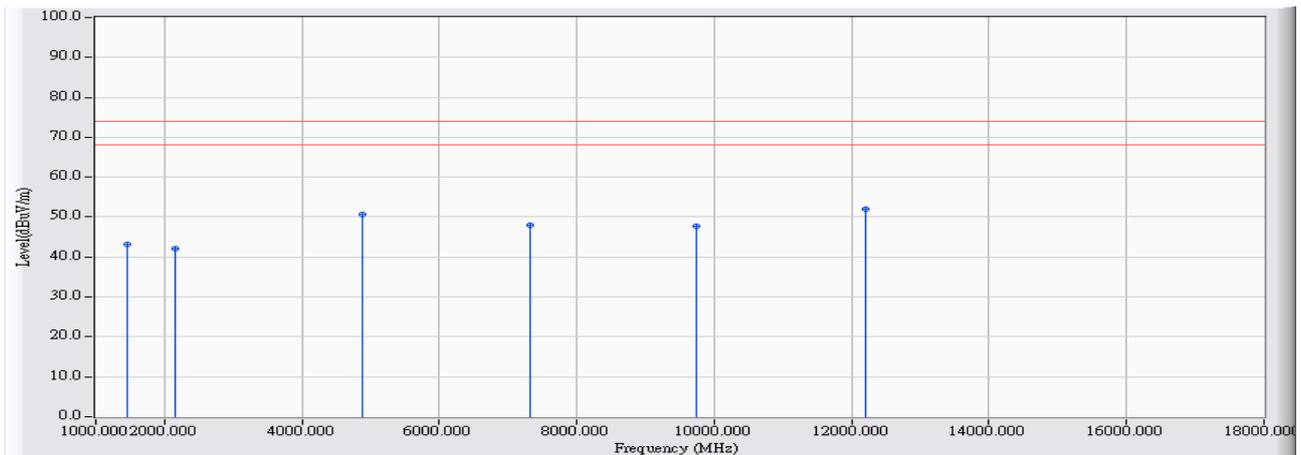


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	7237.000	7.185	31.440	38.625	-15.375	54.000	AVERAGE
2	* 12051.000	17.110	21.690	38.800	-15.200	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11g_2437MHz

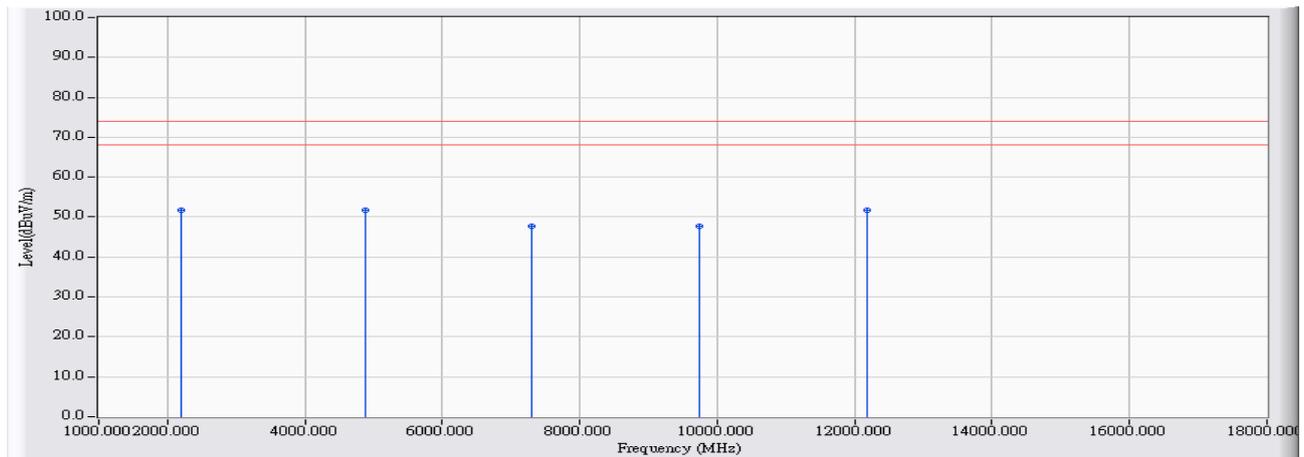


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1450.000	-11.531	54.640	43.109	-30.891	74.000	PEAK
2	2147.000	-8.951	51.050	42.099	-31.901	74.000	PEAK
3	4875.000	-0.200	50.960	50.760	-23.240	74.000	PEAK
4	7311.000	7.552	40.530	48.083	-25.917	74.000	PEAK
5	9743.000	12.270	35.480	47.750	-26.250	74.000	PEAK
6	* 12194.000	16.849	35.090	51.939	-22.061	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11g_2437MHz

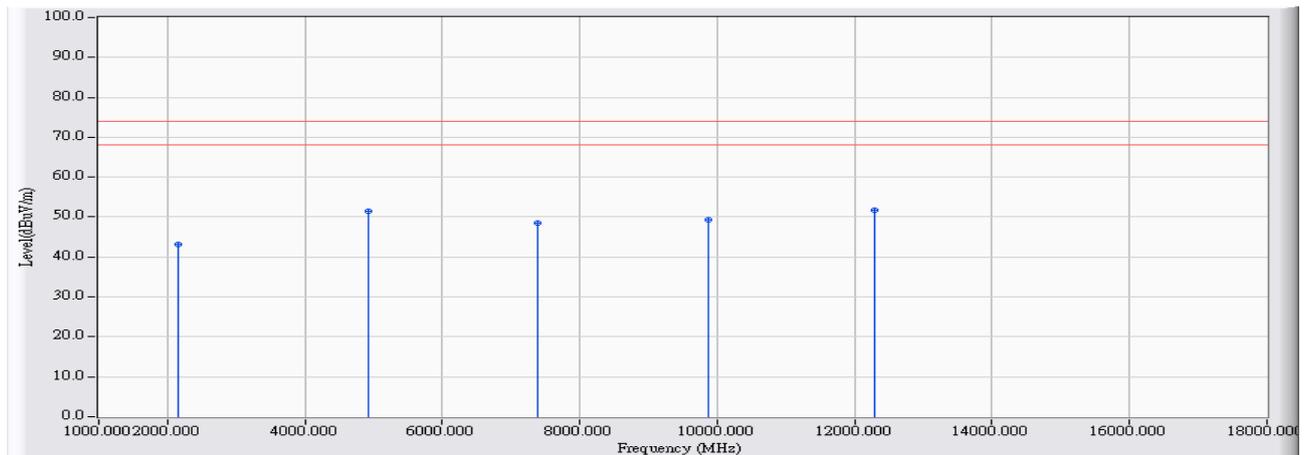


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2198.000	-8.734	60.410	51.676	-22.324	74.000	PEAK
2	4871.000	-0.211	52.050	51.840	-22.160	74.000	PEAK
3	7305.000	7.523	40.090	47.613	-26.387	74.000	PEAK
4	9747.000	12.276	35.380	47.656	-26.344	74.000	PEAK
5	* 12179.000	16.878	33.980	51.857	-22.143	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11g_2462MHz

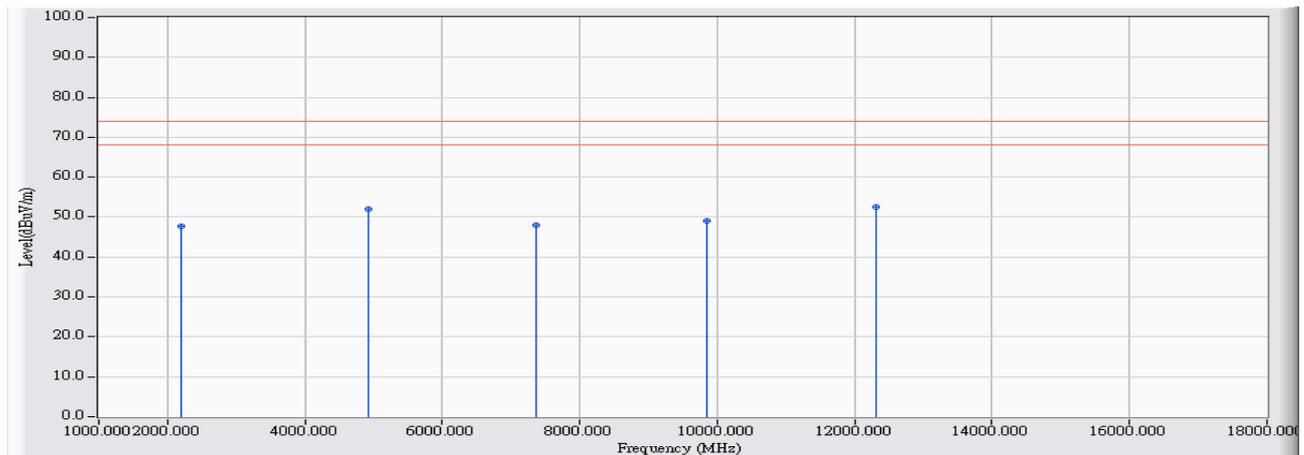


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2147.000	-8.951	52.230	43.279	-30.721	74.000	PEAK
2	4924.000	-0.078	51.680	51.602	-22.398	74.000	PEAK
3	7386.000	7.924	40.580	48.505	-25.495	74.000	PEAK
4	9860.000	12.434	36.860	49.294	-24.706	74.000	PEAK
5	* 12291.000	16.650	35.150	51.800	-22.200	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
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Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11g_2462MHz

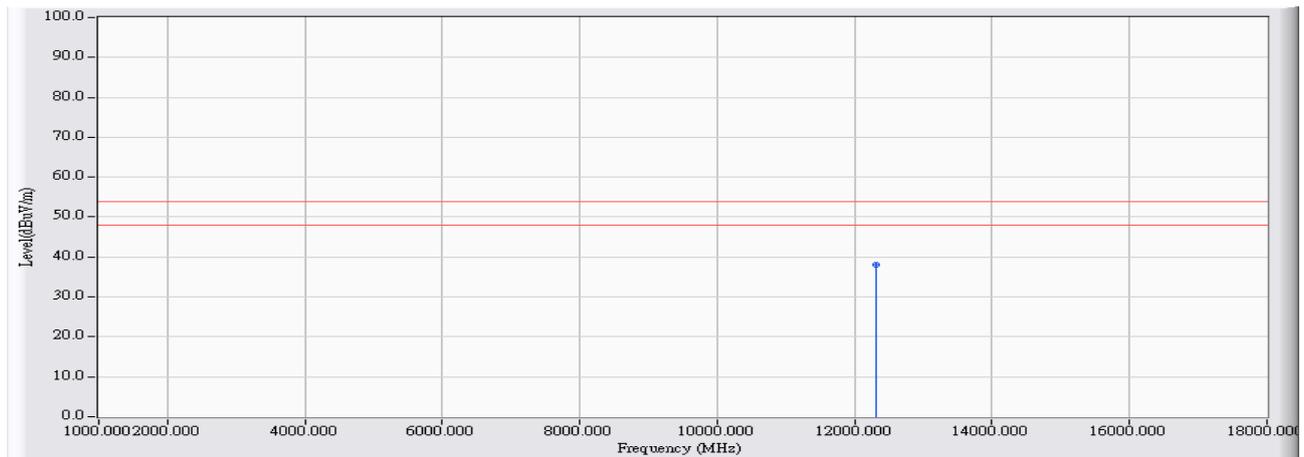


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2198.000	-8.734	56.400	47.666	-26.334	74.000	PEAK
2	4922.000	-0.084	51.970	51.887	-22.113	74.000	PEAK
3	7372.000	7.855	40.230	48.085	-25.915	74.000	PEAK
4	9841.000	12.407	36.550	48.957	-25.043	74.000	PEAK
5	* 12314.000	16.602	35.920	52.522	-21.478	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/02/20
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)_ 802.11g_2462MHz

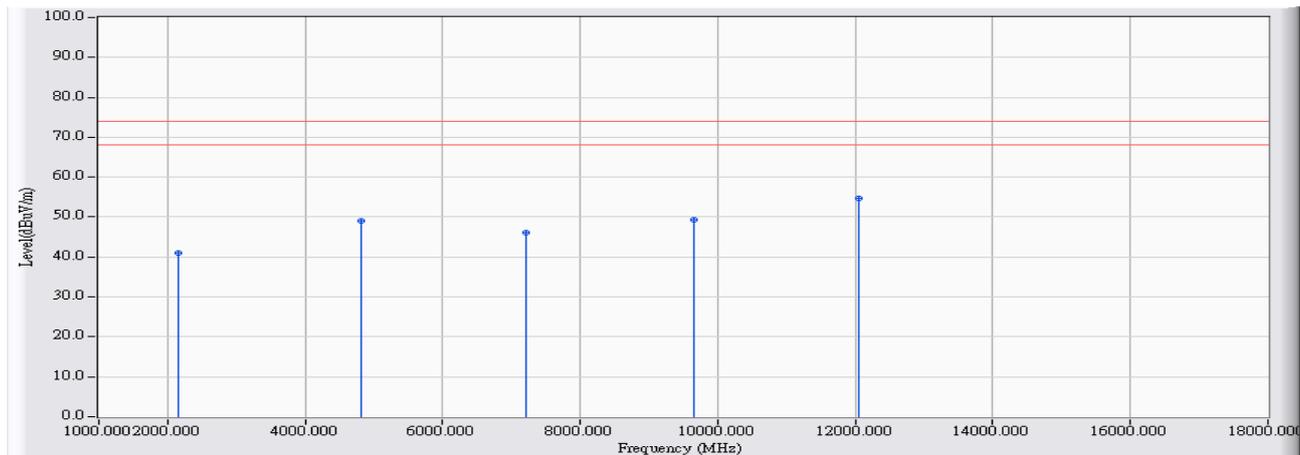


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12315.000	16.600	21.580	38.180	-15.820	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2412MHz

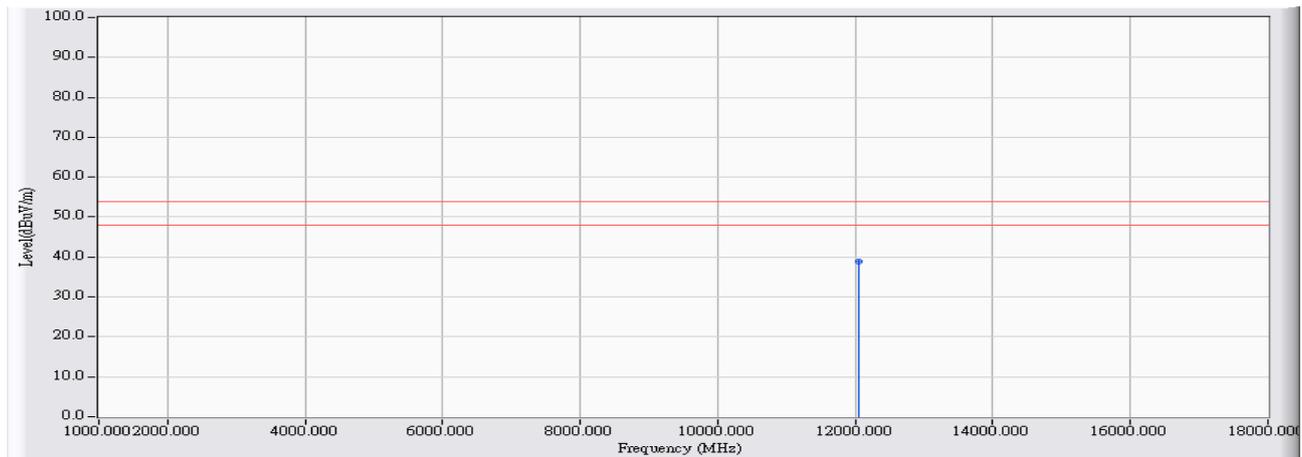


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2161.000	-9.862	50.980	41.117	-32.883	74.000	PEAK
2	4824.000	-0.475	49.450	48.975	-25.025	74.000	PEAK
3	7222.000	6.437	39.710	46.147	-27.853	74.000	PEAK
4	9649.000	12.059	37.320	49.379	-24.621	74.000	PEAK
5	* 12054.000	15.557	39.070	54.628	-19.372	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2412MHz

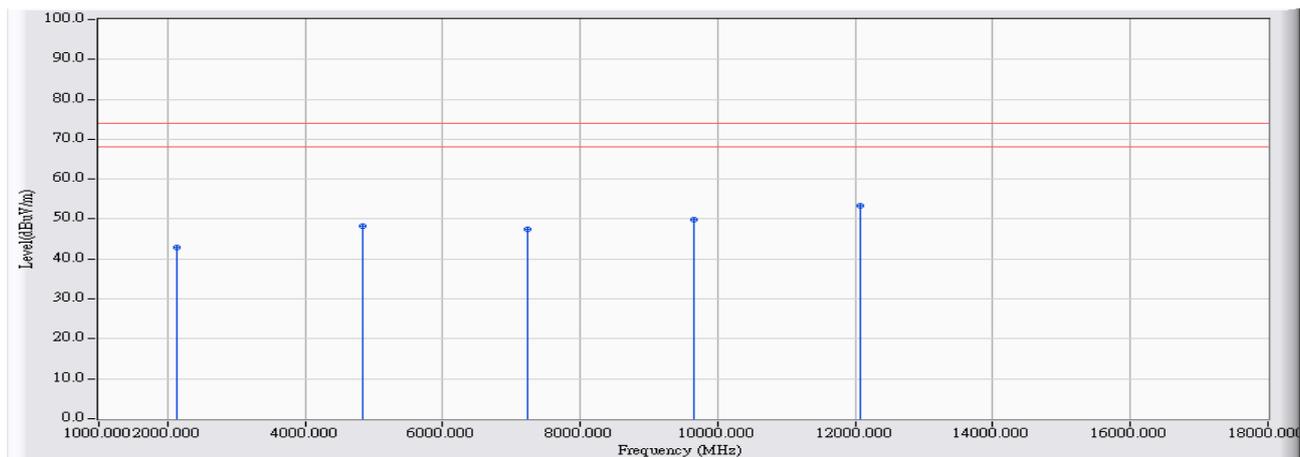


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12059.000	15.544	23.420	38.965	-15.035	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2412MHz

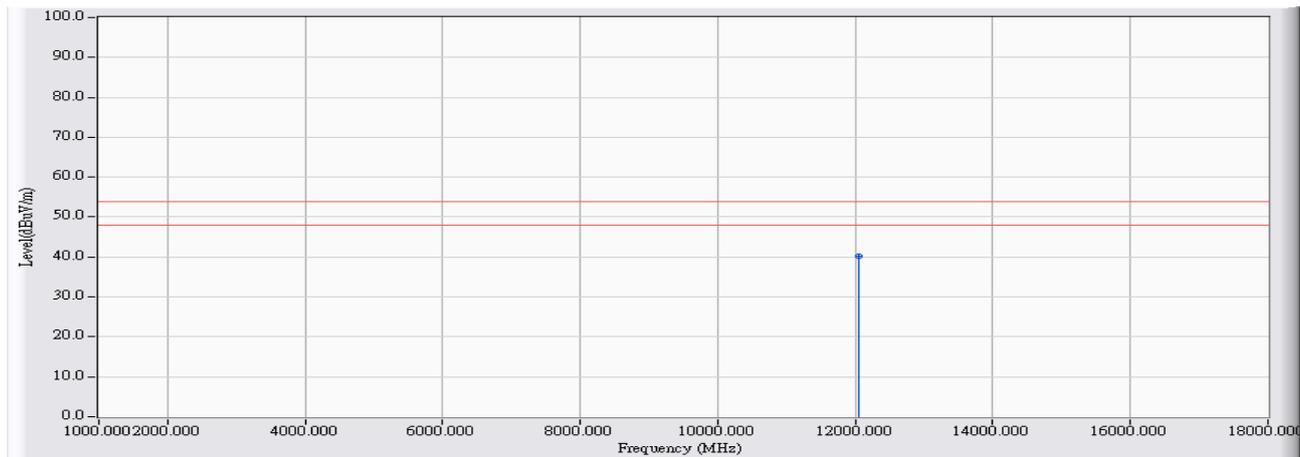


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2129.000	-10.029	52.880	42.851	-31.149	74.000	PEAK
2	4828.000	-0.471	48.820	48.349	-25.651	74.000	PEAK
3	7229.000	6.462	40.880	47.343	-26.657	74.000	PEAK
4	9647.000	12.055	37.880	49.935	-24.065	74.000	PEAK
5	* 12064.000	15.532	37.770	53.303	-20.697	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2412MHz

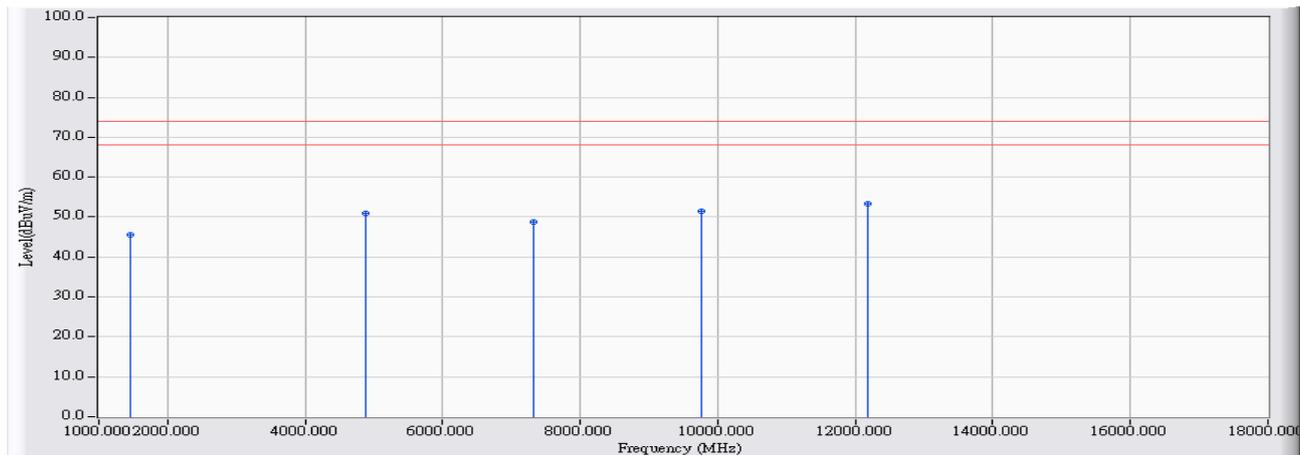


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12059.000	15.544	24.550	40.095	-13.905	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2437MHz

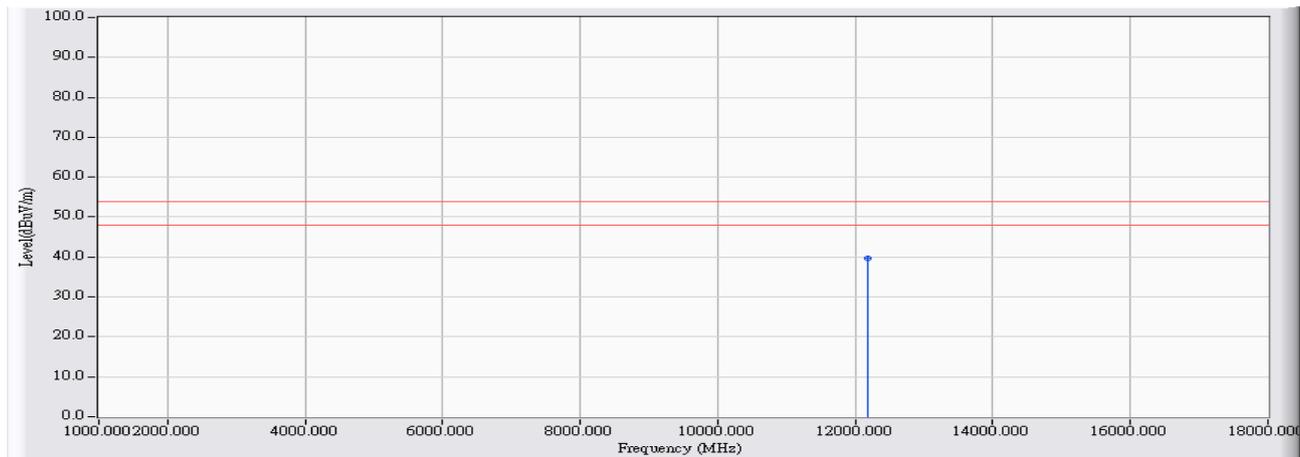


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1459.000	-12.549	58.110	45.561	-28.439	74.000	PEAK
2	4872.000	-0.427	51.260	50.832	-23.168	74.000	PEAK
3	7311.000	6.770	42.080	48.850	-25.150	74.000	PEAK
4	9767.000	12.307	39.070	51.377	-22.623	74.000	PEAK
5	* 12174.000	15.256	38.160	53.416	-20.584	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2437MHz

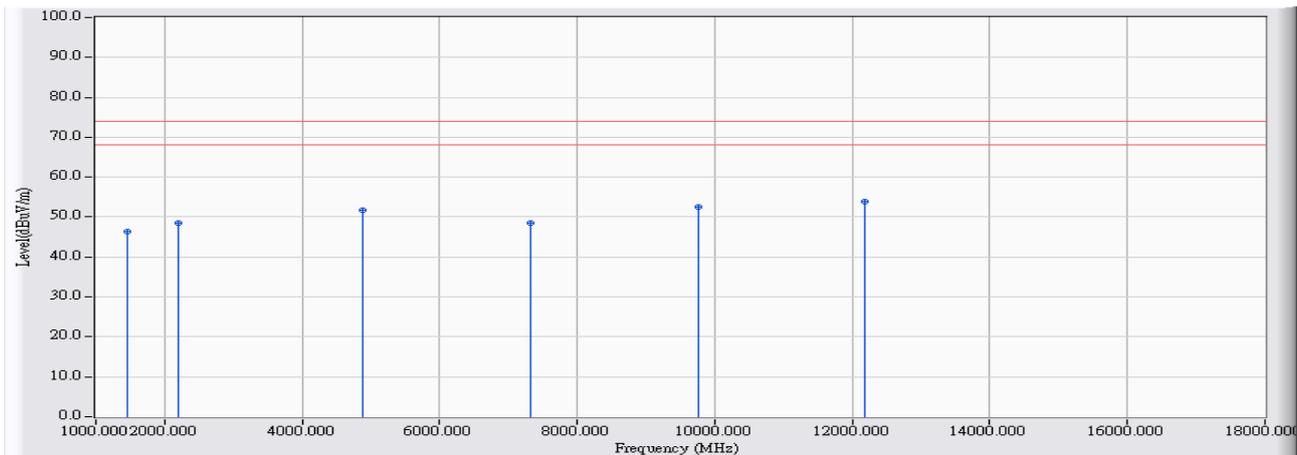


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12181.000	15.239	24.390	39.629	-14.371	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2437MHz

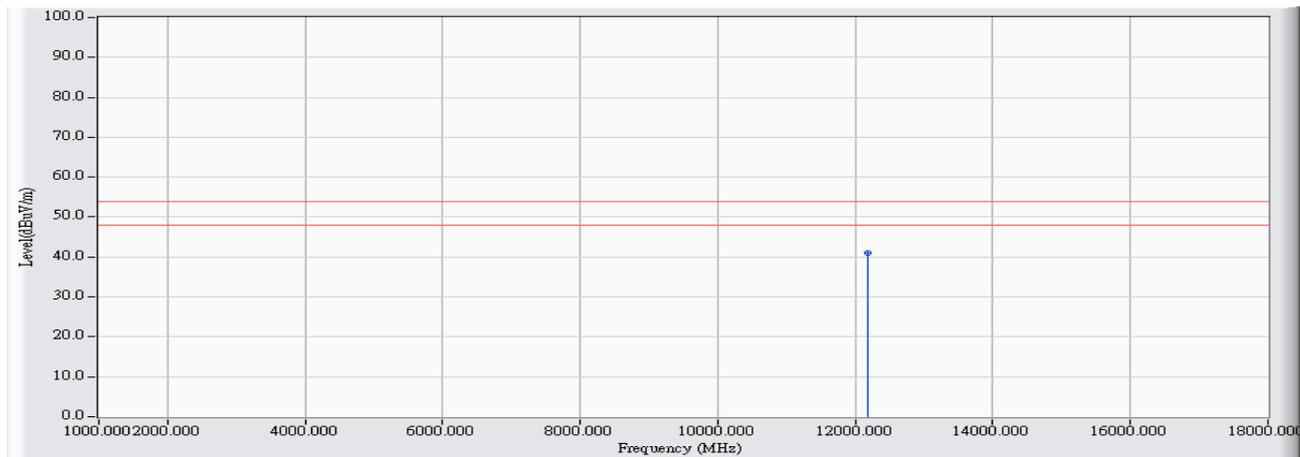


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1456.000	-12.561	58.830	46.270	-27.730	74.000	PEAK
2	* 2195.000	-9.687	58.230	48.543	-25.457	74.000	PEAK
3	4870.000	-0.430	52.140	51.710	-22.290	74.000	PEAK
4	7311.000	6.770	41.720	48.490	-25.510	74.000	PEAK
5	9762.000	12.297	40.120	52.417	-21.583	74.000	PEAK
6	12180.000	15.241	38.780	54.021	-19.979	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2437MHz

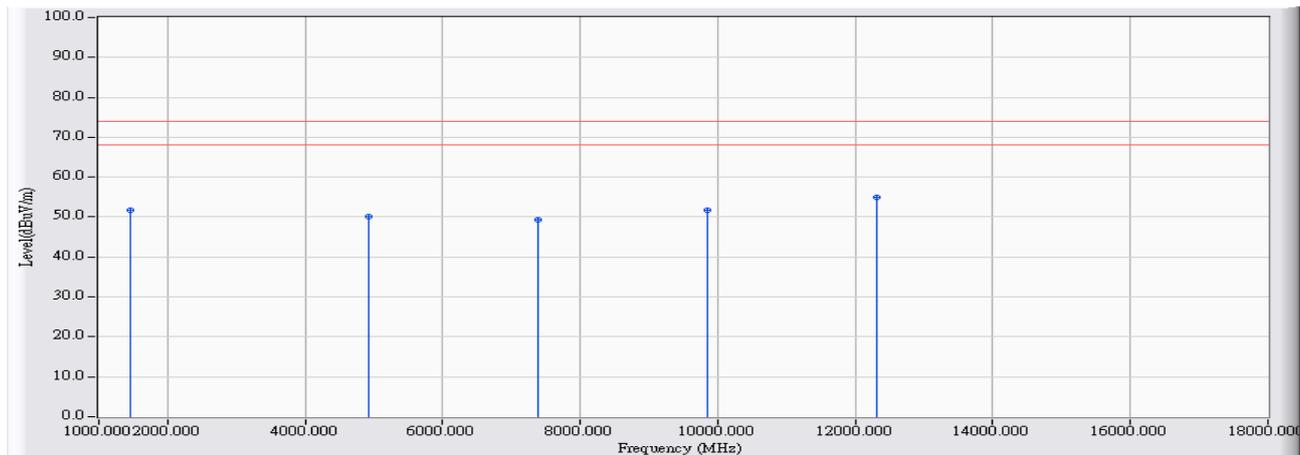


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12180.000	15.241	25.880	41.121	-12.879	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2462MHz

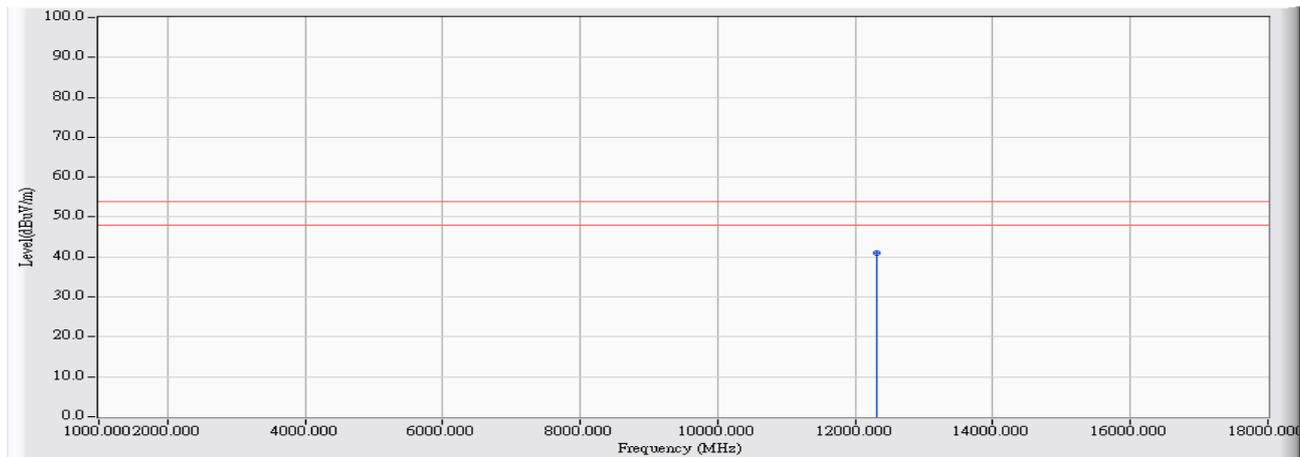


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	1456.000	-12.561	64.400	51.840	-2.160	54.000	PEAK
2		4924.000	-0.376	50.580	50.204	-23.796	74.000	PEAK
3		7386.000	7.053	42.180	49.233	-24.767	74.000	PEAK
4		9848.000	12.472	39.380	51.852	-22.148	74.000	PEAK
5		12313.000	15.561	39.390	54.951	-19.049	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2462MHz

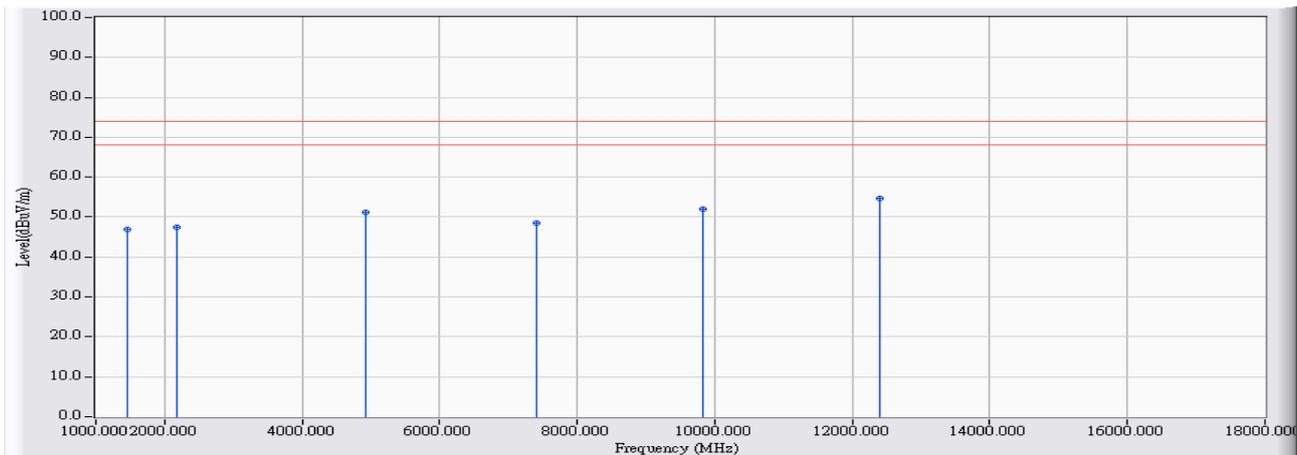


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12313.000	15.561	25.500	41.061	-12.939	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2462MHz

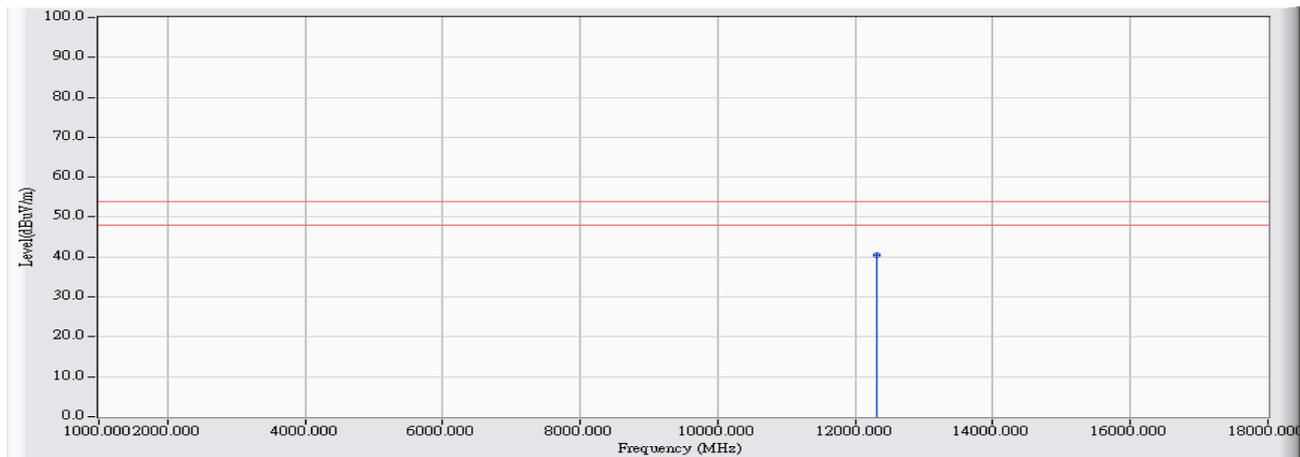


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1458.000	-12.552	59.380	46.827	-27.173	74.000	PEAK
2	2183.000	-9.748	57.310	47.561	-26.439	74.000	PEAK
3	4923.000	-0.377	51.550	51.173	-22.827	74.000	PEAK
4	7400.000	7.106	41.480	48.586	-25.414	74.000	PEAK
5	9835.000	12.446	39.630	52.076	-21.924	74.000	PEAK
6	* 12391.000	16.191	38.510	54.701	-19.299	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(20M)_ 2462MHz

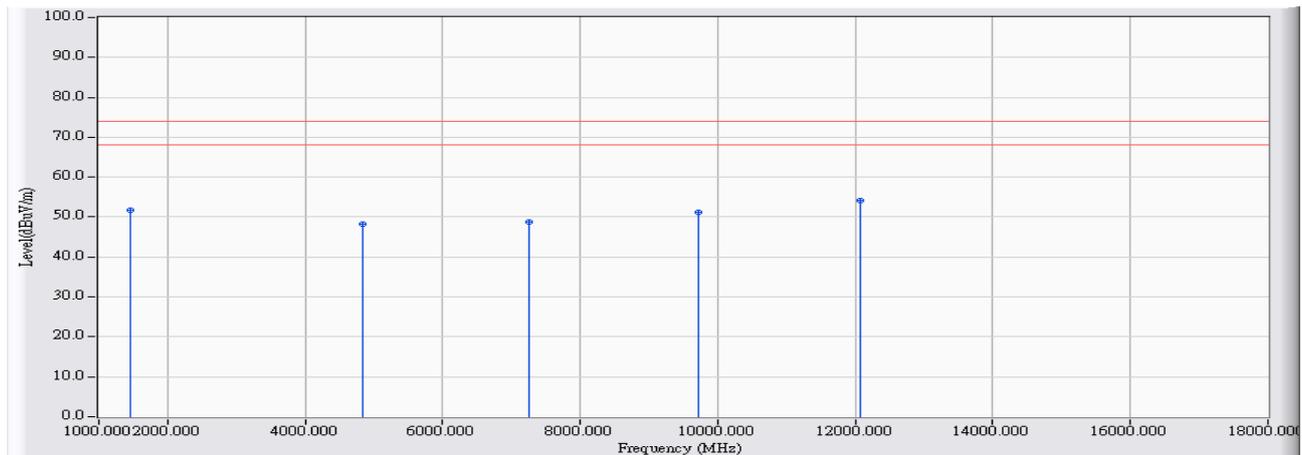


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12319.000	15.609	24.830	40.439	-13.561	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2422MHz

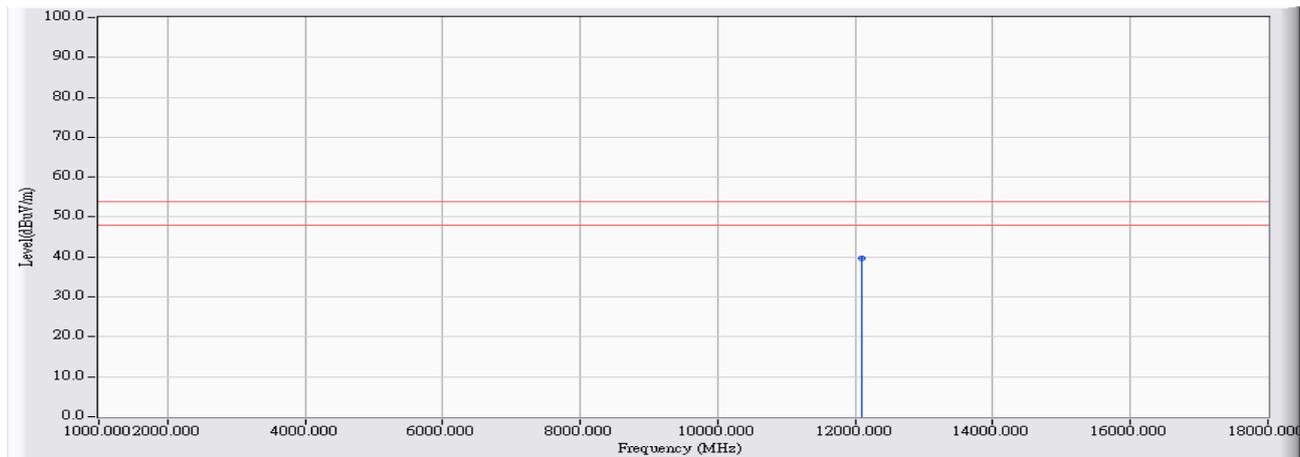


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1458.000	-12.552	64.190	51.637	-22.363	74.000	PEAK
2	4840.000	-0.459	48.650	48.191	-25.809	74.000	PEAK
3	7253.000	6.551	42.220	48.772	-25.228	74.000	PEAK
4	9724.000	12.221	38.920	51.141	-22.859	74.000	PEAK
5	* 12070.000	15.518	38.530	54.048	-19.952	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2422MHz

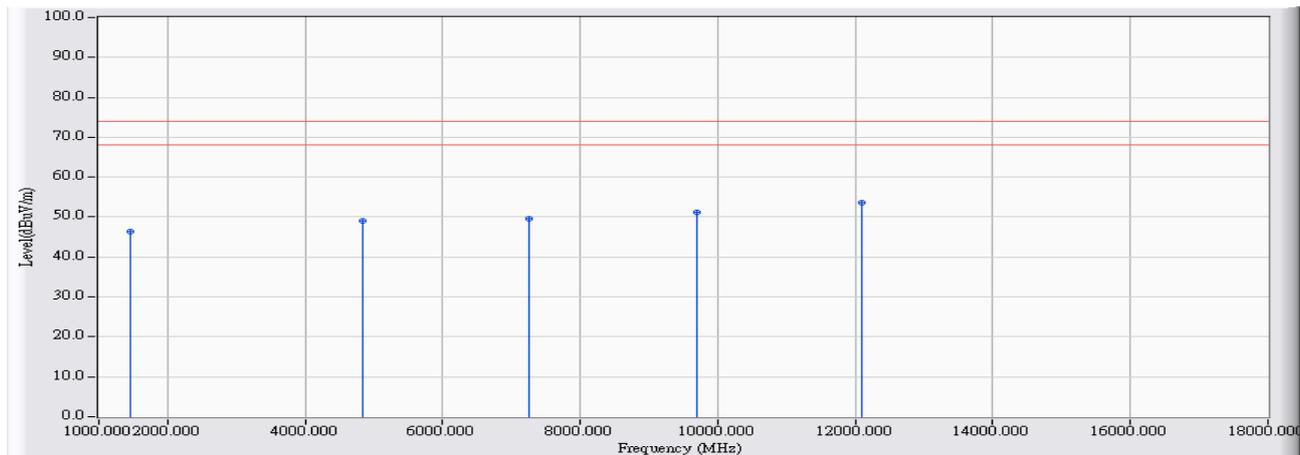


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12085.000	15.482	24.120	39.602	-14.398	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2422MHz

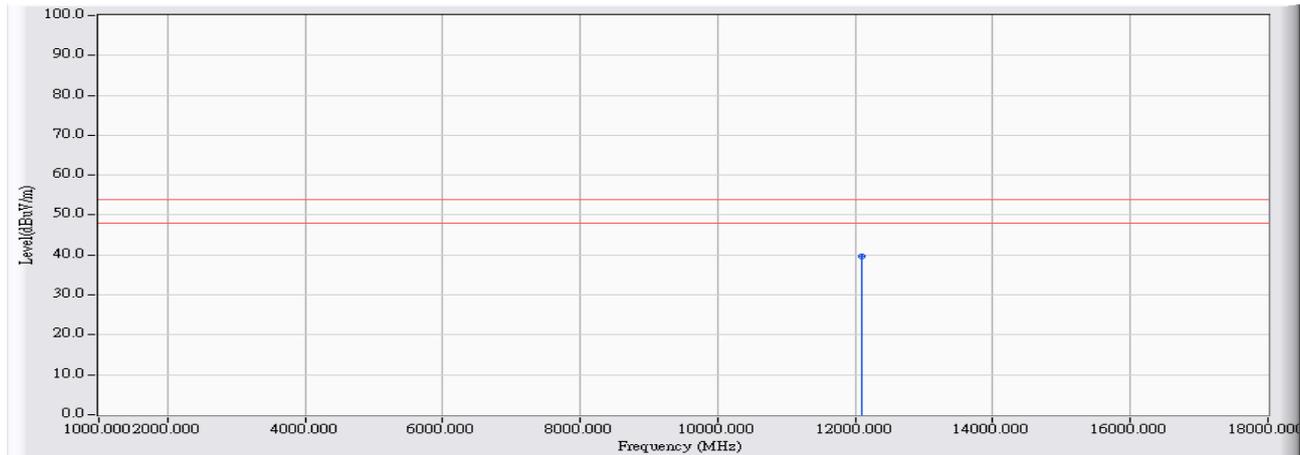


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1456.000	-12.561	58.850	46.290	-27.710	74.000	PEAK
2	4840.000	-0.459	49.480	49.021	-24.979	74.000	PEAK
3	7266.000	6.601	42.890	49.491	-24.509	74.000	PEAK
4	9700.000	12.173	39.070	51.244	-22.756	74.000	PEAK
5	* 12084.000	15.483	38.090	53.574	-20.426	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2422MHz

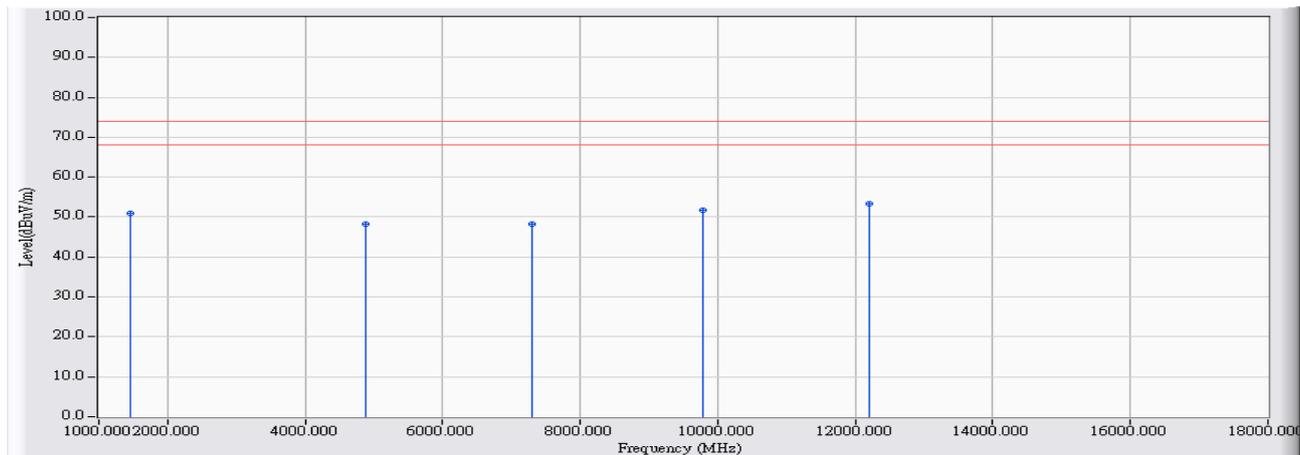


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12084.000	15.483	24.130	39.614	-14.386	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2437MHz

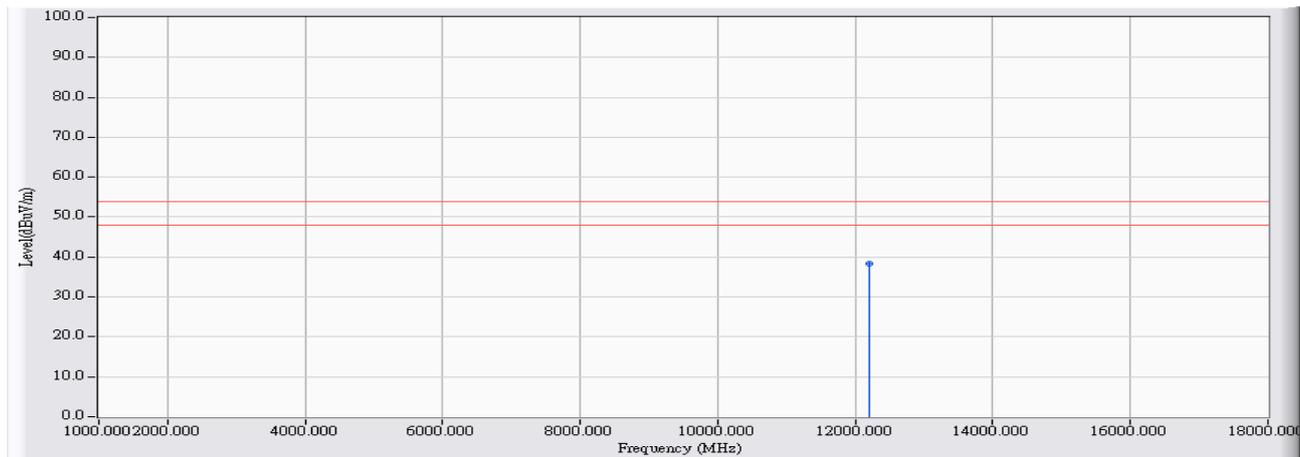


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1457.000	-12.557	63.540	50.984	-23.016	74.000	PEAK
2	4870.000	-0.430	48.790	48.360	-25.640	74.000	PEAK
3	7303.000	6.740	41.560	48.300	-25.700	74.000	PEAK
4	9786.000	12.346	39.400	51.746	-22.254	74.000	PEAK
5	* 12207.000	15.171	38.100	53.271	-20.729	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2437MHz

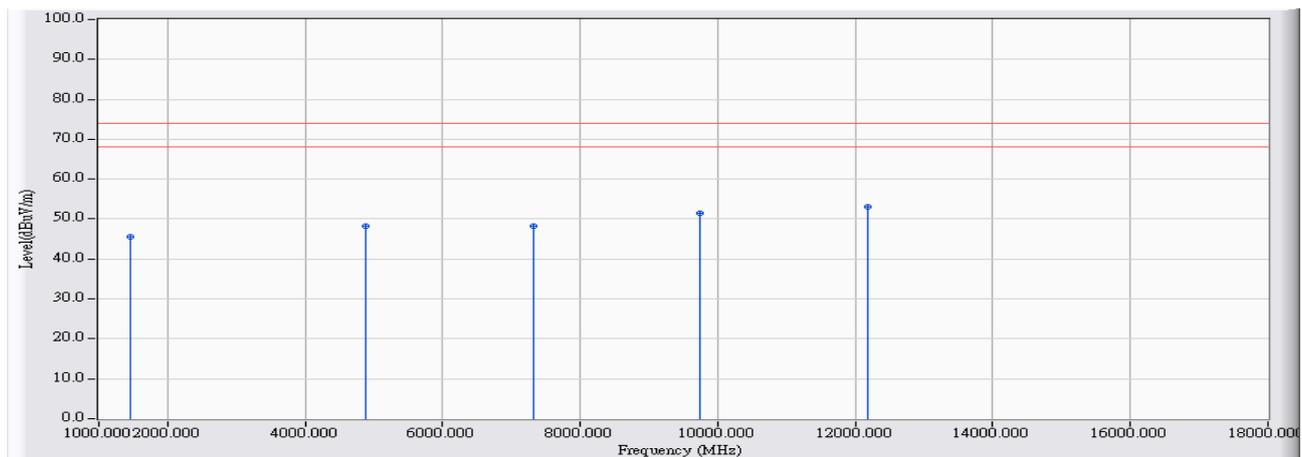


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12207.000	15.171	23.110	38.281	-15.719	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2437MHz

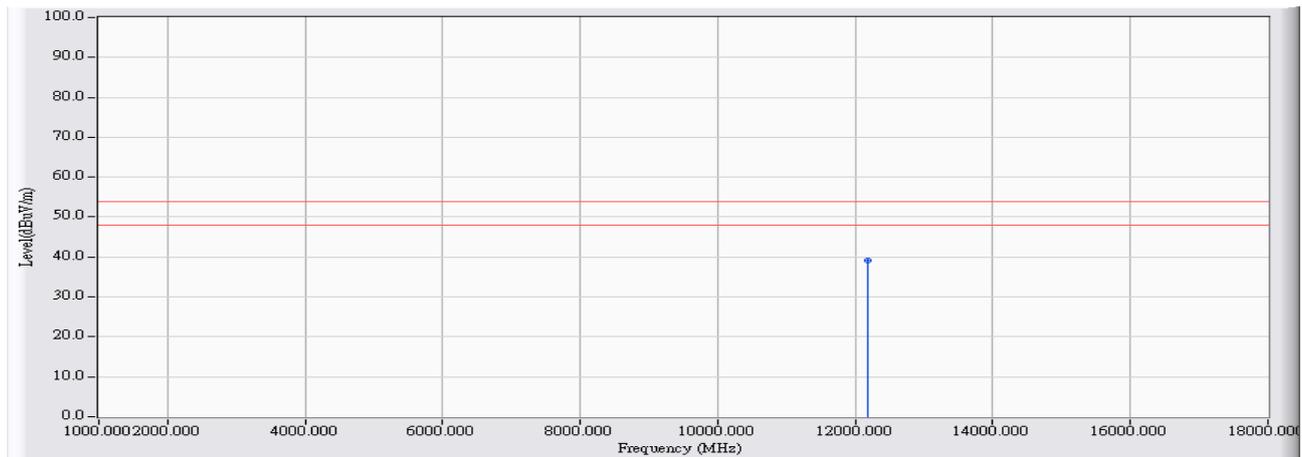


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1453.000	-12.572	58.250	45.678	-28.322	74.000	PEAK
2	4870.000	-0.430	48.630	48.200	-25.800	74.000	PEAK
3	7322.000	6.811	41.470	48.281	-25.719	74.000	PEAK
4	9747.000	12.267	39.170	51.437	-22.563	74.000	PEAK
5	* 12187.000	15.223	37.830	53.053	-20.947	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2437MHz

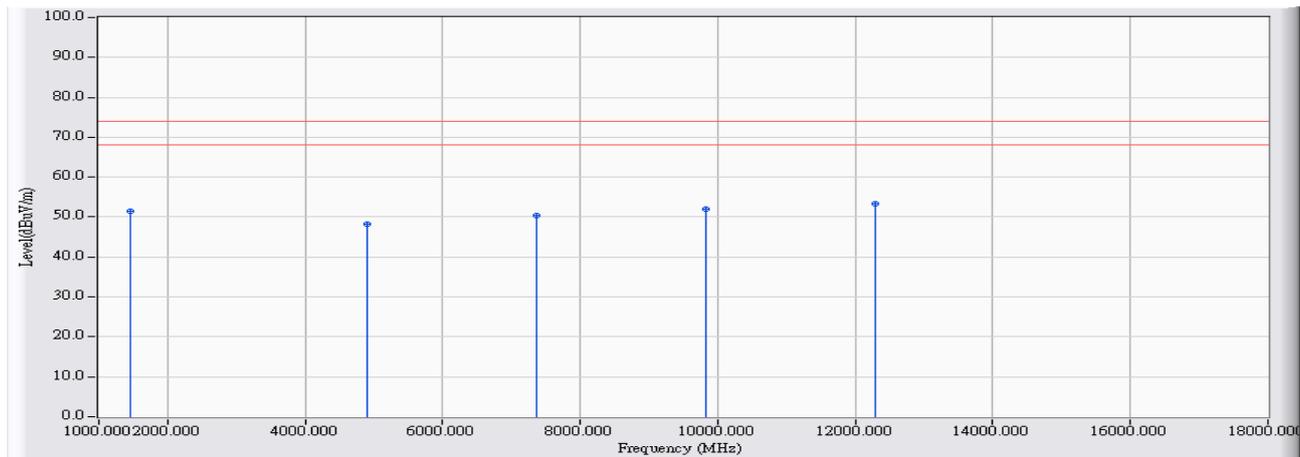


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12177.000	15.248	23.890	39.139	-14.861	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2452MHz

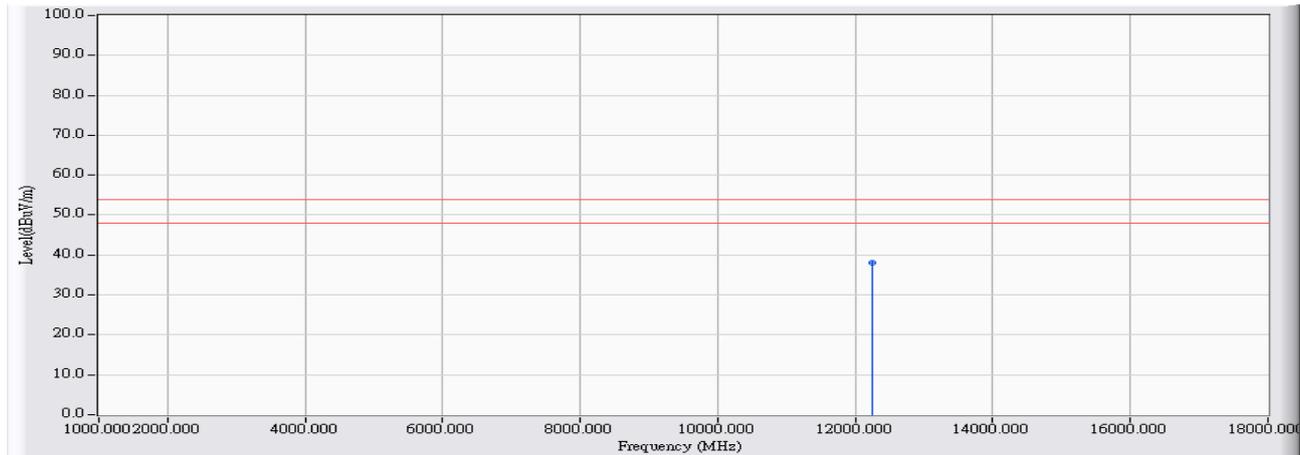


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1457.000	-12.557	64.100	51.544	-22.456	74.000	PEAK
2	4904.000	-0.396	48.550	48.154	-25.846	74.000	PEAK
3	7356.000	6.940	43.470	50.410	-23.590	74.000	PEAK
4	9819.000	12.413	39.720	52.133	-21.867	74.000	PEAK
5	* 12279.000	15.284	38.100	53.384	-20.616	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2452MHz

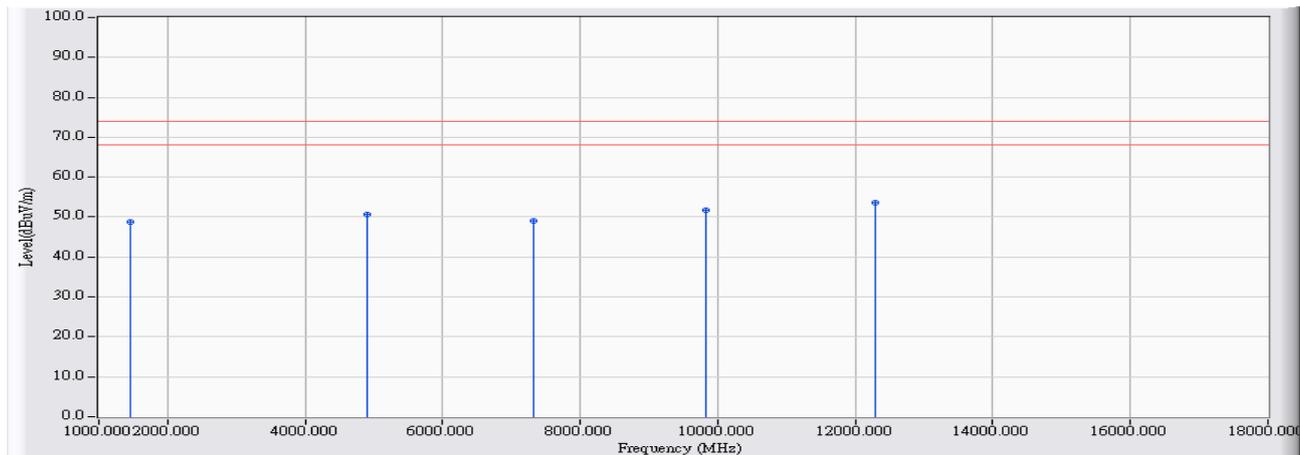


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12257.000	15.103	22.890	37.994	-16.006	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2452MHz

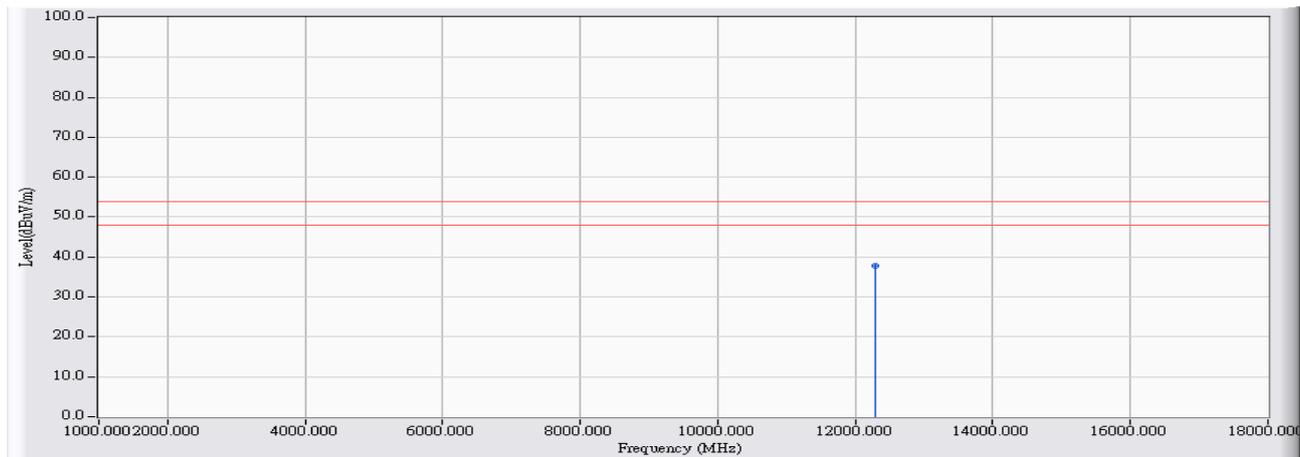


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1456.000	-12.561	61.360	48.800	-25.200	74.000	PEAK
2	4902.000	-0.398	50.940	50.542	-23.458	74.000	PEAK
3	7328.000	6.834	42.130	48.964	-25.036	74.000	PEAK
4	9829.000	12.434	39.330	51.764	-22.236	74.000	PEAK
5	* 12290.000	15.374	38.300	53.674	-20.326	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB4-H	Time : 2017/03/01
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4-H_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz
EUT : Wireless-AC2900 Dual Band Gigabit Router	Note : Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)_ 802.11n(40M)_ 2452MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12290.000	15.374	22.530	37.904	-16.096	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.