



Test Report

Product Name : Dual Band 3x3 802.11AC Gigabit Router
Model No. : RT-AC66U
FCC ID. : MSQ-RTAC66U

Applicant : ASUSTeK COMPUTER INC.

Address : No. 15, Li-Te Rd., Peitou, Taipei 112, Taiwan R.O.C.

Date of Receipt : 2012/04/27

Issued Date : 2012/05/21

Report No. : 125201R-RFUSP42V01

Report Version : V1.0

The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Test Report Certification

Issued Date : 2012/05/21

Report No. : 125201R-RFUSP42V01



Product Name : Dual Band 3x3 802.11AC Gigabit Router
 Applicant : ASUSTeK COMPUTER INC.
 Address : No. 15, Li-Te Rd., Peitou, Taipei 112, Taiwan R.O.C.
 Manufacturer : (1) Askey Technology (Jiang Su) Ltd.
 (2) Compal Networking (KunShan) Co., Ltd.
 Model No. : RT-AC66U
 FCC ID. : MSQ-RTAC66U
 EUT Voltage : AC 100-240V, 50-60Hz
 Trade Name : ASUS
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247:2011
 ANSI C63.4: 2009
 Test Result : Complied

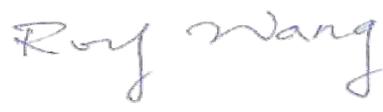
The test results relate only to the samples tested.
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Documented By : 

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 (Ben Huang / Assistant Engineer)

Approved By : 

 (Roy Wang / Manager)

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1. General Information

1.1. EUT Description

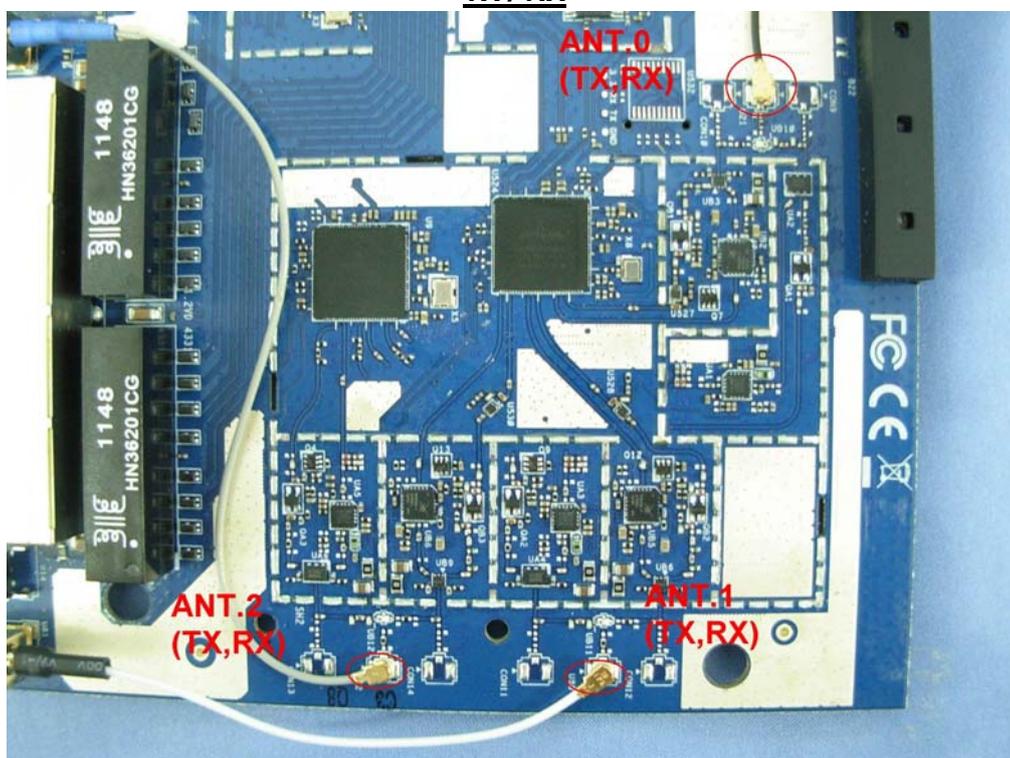
Product Name	Dual Band 3x3 802.11AC Gigabit Router		
Product Type	WLAN(3TX,3RX)		
Trade Name	ASUS		
Model No.	RT-AC66U		
Frequency Range	IEEE 802.11b/g/ IEEE 802.11n (20MHz)_2.4GHz	2412~2462MHz	
	IEEE 802.11n (40MHz)_2.4GHz	2422~2452MHz	
	IEEE 802.11a/ IEEE 802.11n (20MHz)_5.8GHz / IEEE 802.11ac (20MHz)	5745~5825MHz	
	IEEE 802.11n (40MHz)_5.8GHz / IEEE 802.11ac (40MHz)	5755~5795MHz	
	IEEE 802.11ac (80MHz)	5775MHz	
	Channel Number	IEEE 802.11b/g/ IEEE 802.11n (20MHz)_2.4GHz	11
IEEE 802.11n (40MHz)_2.4GHz		7	
IEEE 802.11a/ IEEE 802.11n (20MHz)_5.8GHz / IEEE 802.11ac (20MHz)		5	
IEEE 802.11n (40MHz)_5.8GHz / IEEE 802.11ac (40MHz)		2	
IEEE 802.11ac (80MHz)_5.8GHz		1	
Type of Modulation		IEEE 802.11b	Direct Sequence Spread Spectrum
		IEEE 802.11a/g/n/ac	Orthogonal Frequency Division Multiplexing
Data Speed	IEEE 802.11b	1, 2, 5.5, 11Mbps	
	IEEE 802.11a/g	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	
	IEEE 802.11ac	Support a subset of the combination of GI, MCS 0~MCS 9 and bandwidth defined in 802.11ac	
Antenna Gain	2dBi (2.4GHz) 2dBi (5GHz)		
Channel Control	Manual		
Antenna Type	Dipole		

Component	
LAN Cable	Non-Shielded, 1.5m
Power Adatper	ASUS, EXA1004UH I/P : AC 100-240V, 50-60Hz 1A O/P : +19V $\overline{=}$ 1.58A Cable Out: Non-shielded, 2.5m, one ferrite core bonded.
Power Adatper	ASUS, AD82030 I/P : AC 100-240V, 50-60Hz 0.8A O/P : +19V $\overline{=}$ 1.58A Cable Out: Non-Shielded, 2.5m, one ferrite core bonded.

ANT-TX / Rx & Bandwidth

ANT-TX / RX	SINGLE-TX	THREE-TX			RX			
		20MHz	20MHz	40MHz	80MHz	20MHz	40MHz	80MHz
IEEE802.11a	✓					✓		
IEEE802.11b	✓					✓		
IEEE802.11g	✓							
IEEE802.11n		✓	✓		✓	✓		
IEEE802.11ac		✓	✓	✓	✓	✓	✓	

TX / RX



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 (Note1)	
								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 (Note1)	
								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 (Note1)	
								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 _{BPSC}	Number of coded bits per single carrier
N _{CBPS}	Number of coded bits per symbol
N _{DBPS}	Number of data bits per symbol
GI	guard interval

Draft IEEE 802.11ac Data Rate

Spatial Streams (Note1)	MCS Index	Modulation type	Coding rate	Data Rate(Mb/s)							
				20 MHz		40 MHz		80 MHz		160 MHz	
				Guard Interval		Guard Interval		Guard Interval		Guard Interval	
				800ns	400ns	800ns	400ns	800ns	400ns	800ns	400ns
1	0	BPSK	1/2	6.5	7.2	13.5	15	29.3	32.5	58.5	65
	1	QPSK	1/2	13	14.4	27	30	58.5	65	117	130
	2	QPSK	3/4	19.5	21.7	40.5	45	87.8	97.5	175.5	195
	3	16-QAM	1/2	26	28.9	54	60	117	130	234	260
	4	16-QAM	3/4	39	43.3	81	90	175.5	195	351	390
	5	64-QAM	2/3	52	57.8	108	120	234	260	468	520
	6	64-QAM	3/4	58.5	65	121.5	135	263.3	292.5	526.5	585
	7	64-QAM	5/6	65	72.2	135	150	292.5	325	585	650
	8	256-QAM	3/4	78	86.7	162	180	351	390	702	780
	9	256-QAM	5/6	N/A	N/A	180	200	390	433.3	780	866.7
2	0	BPSK	1/2	13	14.4	27	30	58.6	65	117	130
	1	QPSK	1/2	26	28.8	54	60	117	130	234	260
	2	QPSK	3/4	39	43.4	81	90	175.6	195	351	390
	3	16-QAM	1/2	52	57.8	108	120	234	260	468	520
	4	16-QAM	3/4	78	86.6	162	180	351	390	702	780
	5	64-QAM	2/3	104	115.6	216	240	468	520	936	1040
	6	64-QAM	3/4	117	130	243	270	526.6	585	1053	1170
	7	64-QAM	5/6	130	144.4	270	300	585	650	1170	1300
	8	256-QAM	3/4	156	173.4	324	360	702	780	1404	1560
	9	256-QAM	5/6	N/A	N/A	360	400	780	866.6	1560	1733.4
3	0	BPSK	1/2	19.5	21.6	40.5	45	87.9	97.5	175.5	195
	1	QPSK	1/2	39	43.2	81	90	175.5	195	351	390
	2	QPSK	3/4	58.5	65.1	121.5	135	263.4	292.5	526.5	585
	3	16-QAM	1/2	78	86.7	162	180	351	390	702	780
	4	16-QAM	3/4	117	129.9	243	270	526.5	585	1053	1170
	5	64-QAM	2/3	156	173.4	324	360	702	780	1404	1560
	6	64-QAM	3/4	175.5	195	364.5	405	789.9	877.5	1579.5	1755
	7	64-QAM	5/6	195	216.6	405	450	877.5	975	1755	1950
	8	256-QAM	3/4	234	260.1	486	540	1053	1170	2106	2340
	9	256-QAM	5/6	N/A	N/A	540	600	1170	1299.9	2340	2600.1

IEEE 802.11b/g & IEEE 802.11n (20MHz) - 2.4GHz

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) - 2.4GHz

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		

IEEE 802.11a & IEEE 802.11n (20MHz) & IEEE 802.11ac (20MHz) - 5.8GHz

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745 MHz	153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz						

IEEE 802.11n (40MHz) & IEEE 802.11ac (40MHz) - 5.8GHz

Working Frequency of Each Channel			
Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

IEEE 802.11ac (80MHz) - 5.8GHz

Working Frequency of Each Channel	
Channel	Frequency
155	5775 MHz

Note:

1. This device is a Dual Band 3x3 802.11AC Gigabit Router including 2.4GHz b/g/n and 5GHz a/n (3x3) transmitting and receiving function.
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
3. Regards to the frequency band operation; the lowest, middle and highest frequency of channel were selected to perform the test, and then shown on this report.
4. The function of the 5.2GHz transmitting is measured and makes a test report of the report number: 125201R-RFUSP46V01.
5. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 125201R-RFUSP37V02 under Declaration of Conformity.

1.3. Test Mode

Quietek 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	<p>Mode 1: Transmit (Adapter: EXA1004UH)</p> <p>Mode 2: Transmit (Adapter: AD82030)</p>
----	---

Test Items	Mode	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1+2	Complies
	11ac(80MHz)	155	0+1+2	Complies
Peak Power Output	a	149/ 157/ 165	0	Complies
	b/g	1/ 6/ 11	0	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1+2	Complies
	11ac(20MHz)	149/ 157/ 165	0+1+2	Complies
	11ac(40MHz)	151/159	0+1+2	Complies
	11ac(80MHz)	155	0+1+2	Complies
Radiated Emission	a	149/ 157/ 165	0	Complies
	b/g	1/ 6/ 11	0	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1+2	Complies
	11ac(20MHz)	149/ 157/ 165	0+1+2	Complies
	11ac(40MHz)	151/159	0+1+2	Complies
	11ac(80MHz)	155	0+1+2	Complies
RF antenna conducted test	a	149/ 165	0	Complies
	b/g	1/ 11	0	Complies
	11n(20MHz)	1/ 11/ 149/ 165	0/1/2	Complies
	11n(40MHz)	3/ 9/ 151/ 159	0/1/2	Complies
	11ac(20MHz)	149/ 165	0/1/2	Complies
	11ac(40MHz)	151/159	0/1/2	Complies
	11ac(80MHz)	155	0/1/2	Complies

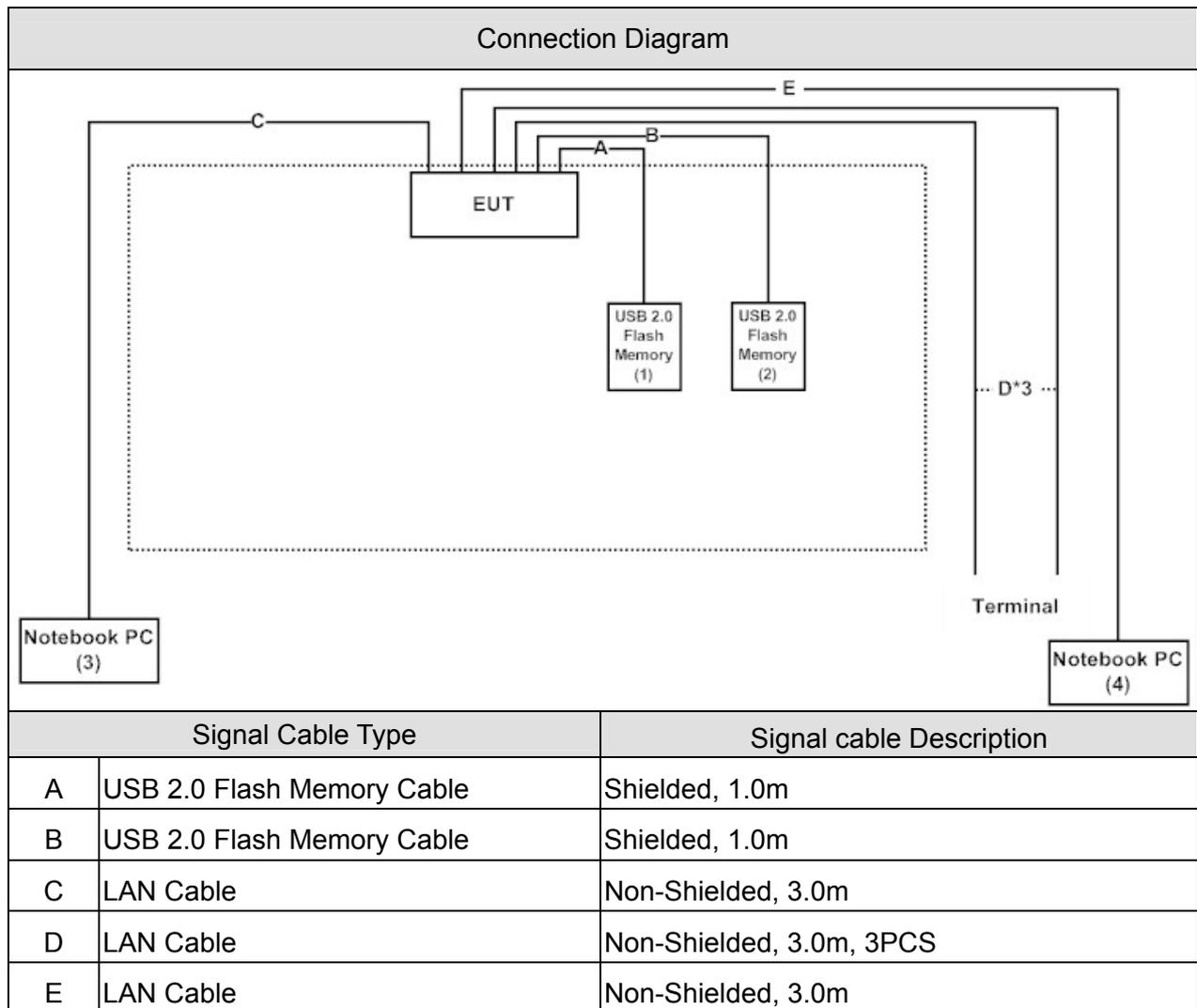
Test Items	Mode	Channel	Antenna	Result
Radiated Emission	b/g	1/ 11	0	Complies
Band Edge	11n(20MHz)	1/ 11	0+1+2	Complies
	11n(40MHz)	3/ 9	0+1+2	Complies
Occupied Bandwidth	a	149/ 157/ 165	0	Complies
	b/g	1/ 6/ 11	0	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0/1/2	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0/1/2	Complies
	11ac(20MHz)	149/ 157/ 165	0/1/2	Complies
	11ac(40MHz)	151/159	0/1/2	Complies
	11ac(80MHz)	155	0/1/2	Complies
Power Density	a	149/ 157/ 165	0	Complies
	b/g	1/ 6/ 11	0	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1+2	Complies
	11ac(20MHz)	149/ 157/ 165	0+1+2	Complies
	11ac(40MHz)	151/159	0+1+2	Complies
	11ac(80MHz)	155	0+1+2	Complies

1.4. 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 USB 2.0 Flash Memory	Sony	USM2GJX	N/A	DoC	--
2 USB 2.0 Flash Memory	Sony	USM2GJX	N/A	DoC	--
3 Notebook PC	DELL	PP37L	CD8BNG1	DoC	Non-Shielded, 1.8m
4 Notebook PC	HP Compaq	NX6320FF	CNU7020BXT	DoC	Non-Shielded, 1.8m

1.5. Configuration of tested System



1.6. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5.
2	Execute the MFG Control Panel Ver 1.4.0.0 on the EUT.
3	Configure the test mode, the test channel, and the data rate.
4	Press "Start TX" to start the continuous transmitting.
5	Verify that the EUT works properly.

1.7. 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 (DSSS)	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 (DSSS)	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 (DSSS)	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 (DSSS)	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 (DSSS)	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 (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description: September 27, 2010 File on
Federal Communications Commission
Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046
Registration Number: 365520



Accredited by TAF
Accreditation Number: 1313
Effective through: December 27, 2013



Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2012



Site Name: Quietek Corporation
Site Address: No. 75-2, 3rd Lin, Wangye Keng, Yonghxing
Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan
TEL : 886-3-5928858 / FAX : 886-3-5928859
E-Mail : service@quietek.com

2. Conducted Emission

2.1. Test Equipment

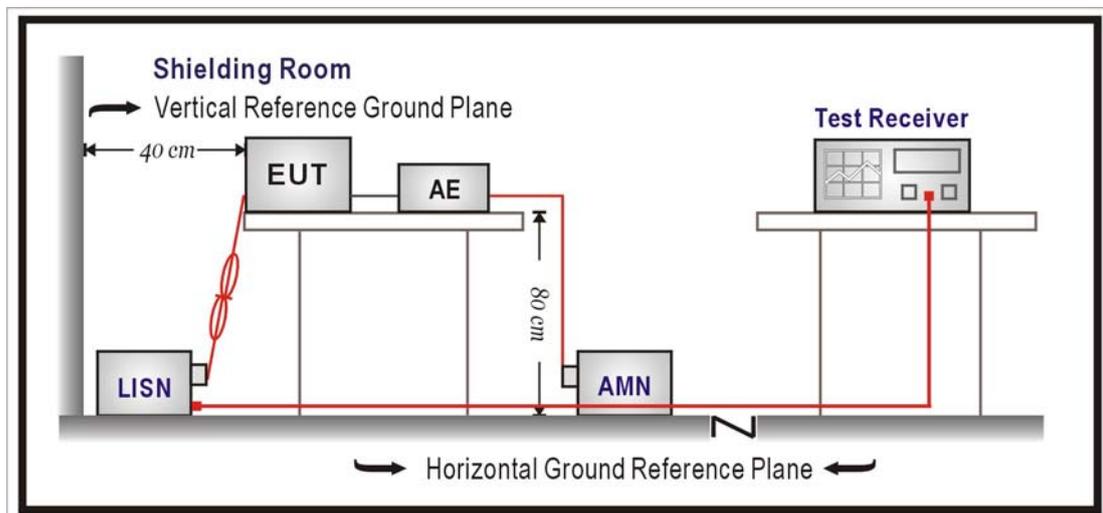
The following test equipments are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
LISN	R&S	ENV216	100096	2012/09/06
LISN	R&S	ESH3-Z5	836679/022	2013/02/06
Test Receiver	R&S	ESCS 30	825442/017	2013/01/01

Note: 1. 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: 2009 and tested according to DTS test procedure of Jan. 2012 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

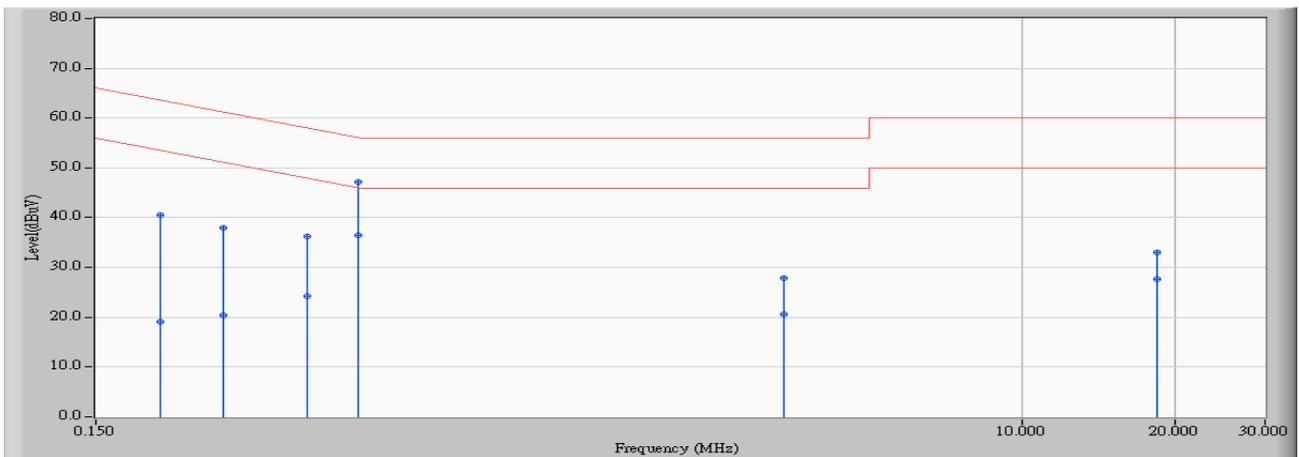
According to FCC Part 15 Subpart C Paragraph 15.207: 2011

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR3	Time : 2012/05/09 - 17:46
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-1_0907 - Line1	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 2437MHz,802.11n(40MHz)

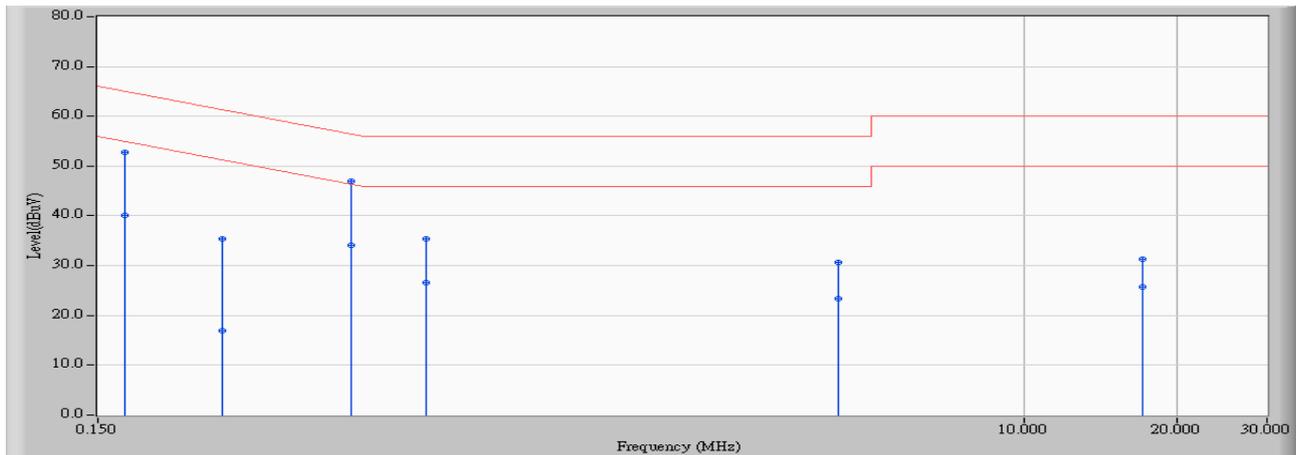


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.201	9.658	30.880	40.538	-23.040	63.578	QUASPEAK
2	0.201	9.658	9.390	19.048	-34.530	53.578	AVERAGE
3	0.267	9.667	28.190	37.857	-23.348	61.205	QUASPEAK
4	0.267	9.667	10.630	20.297	-30.908	51.205	AVERAGE
5	0.392	9.684	26.580	36.264	-21.753	58.017	QUASPEAK
6	0.392	9.684	14.540	24.224	-23.793	48.017	AVERAGE
7	* 0.494	9.701	37.440	47.141	-8.964	56.104	QUASPEAK
8	0.494	9.701	26.760	36.461	-9.644	46.104	AVERAGE
9	3.392	9.988	17.920	27.908	-28.092	56.000	QUASPEAK
10	3.392	9.988	10.580	20.568	-25.432	46.000	AVERAGE
11	18.377	10.287	22.680	32.967	-27.033	60.000	QUASPEAK
12	18.377	10.287	17.360	27.647	-22.353	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 : SR3	Time : 2012/05/09 - 17:49
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-1_0907 - Line2	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 2437MHz,802.11n(40MHz)

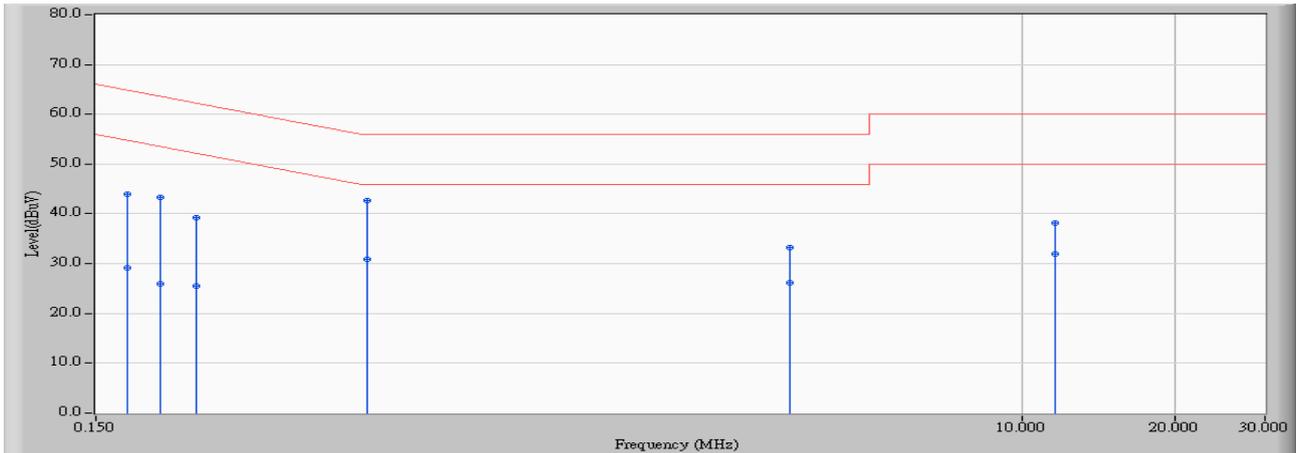


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.170	9.666	43.120	52.786	-12.198	64.983	QUASPEAK
2	0.170	9.666	30.340	40.006	-14.978	54.983	AVERAGE
3	0.263	9.676	25.780	35.456	-25.871	61.327	QUASPEAK
4	0.263	9.676	7.300	16.976	-34.351	51.327	AVERAGE
5	* 0.474	9.706	37.370	47.076	-9.364	56.440	QUASPEAK
6	0.474	9.706	24.490	34.196	-12.244	46.440	AVERAGE
7	0.666	9.733	25.690	35.423	-20.577	56.000	QUASPEAK
8	0.666	9.733	16.780	26.513	-19.487	46.000	AVERAGE
9	4.298	10.048	20.630	30.679	-25.321	56.000	QUASPEAK
10	4.298	10.048	13.380	23.429	-22.571	46.000	AVERAGE
11	17.127	10.430	20.880	31.310	-28.690	60.000	QUASPEAK
12	17.127	10.430	15.300	25.730	-24.270	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 : SR3	Time : 2012/05/11 - 10:27
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-1_0907 - Line1	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 2437MHz,802.11n(40MHz)

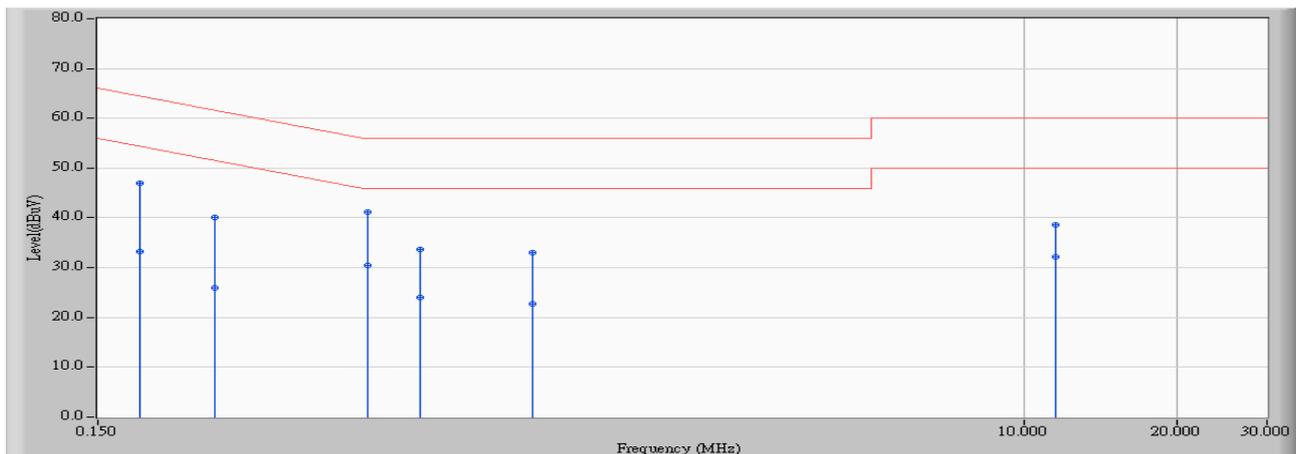


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.173	9.656	34.210	43.866	-20.928	64.794	QUASPEAK
2	0.173	9.656	19.620	29.276	-25.518	54.794	AVERAGE
3	0.201	9.658	33.680	43.338	-20.240	63.578	QUASPEAK
4	0.201	9.658	16.370	26.028	-27.550	53.578	AVERAGE
5	0.236	9.662	29.560	39.222	-23.016	62.238	QUASPEAK
6	0.236	9.662	15.870	25.532	-26.706	52.238	AVERAGE
7	*	9.704	33.000	42.704	-13.296	56.000	QUASPEAK
8	0.513	9.704	21.080	30.784	-15.216	46.000	AVERAGE
9	3.482	9.991	23.320	33.312	-22.688	56.000	QUASPEAK
10	3.482	9.991	16.080	26.072	-19.928	46.000	AVERAGE
11	11.599	10.171	27.930	38.102	-21.898	60.000	QUASPEAK
12	11.599	10.171	21.720	31.892	-18.108	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 : SR3	Time : 2012/05/11 - 10:29
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-1_0907 - Line2	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 2437MHz,802.11n(40MHz)

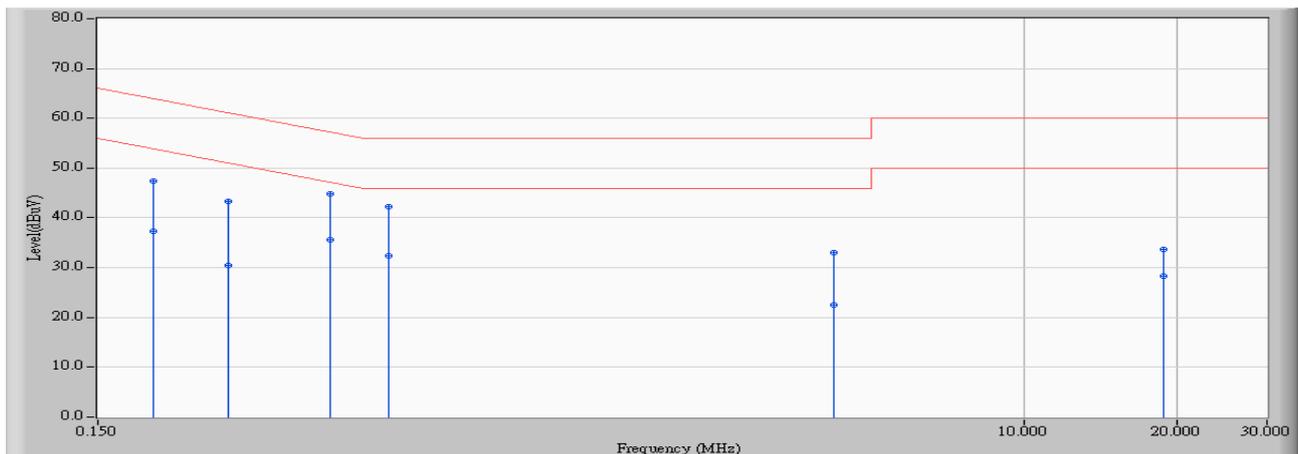


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.181	9.666	37.240	46.906	-17.522	64.428	QUASPEAK
2	0.181	9.666	23.550	33.216	-21.212	54.428	AVERAGE
3	0.255	9.675	30.490	40.165	-21.413	61.577	QUASPEAK
4	0.255	9.675	16.180	25.855	-25.723	51.577	AVERAGE
5	* 0.509	9.711	31.440	41.151	-14.849	56.000	QUASPEAK
6	0.509	9.711	20.740	30.451	-15.549	46.000	AVERAGE
7	0.646	9.730	24.040	33.770	-22.230	56.000	QUASPEAK
8	0.646	9.730	14.230	23.960	-22.040	46.000	AVERAGE
9	1.072	9.791	23.140	32.931	-23.069	56.000	QUASPEAK
10	1.072	9.791	12.950	22.741	-23.259	46.000	AVERAGE
11	11.490	10.244	28.400	38.644	-21.356	60.000	QUASPEAK
12	11.490	10.244	22.030	32.274	-17.726	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 : SR3	Time : 2012/05/09 - 19:02
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-1_0907 - Line1	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5775MHz,802.11ac(80MHz)

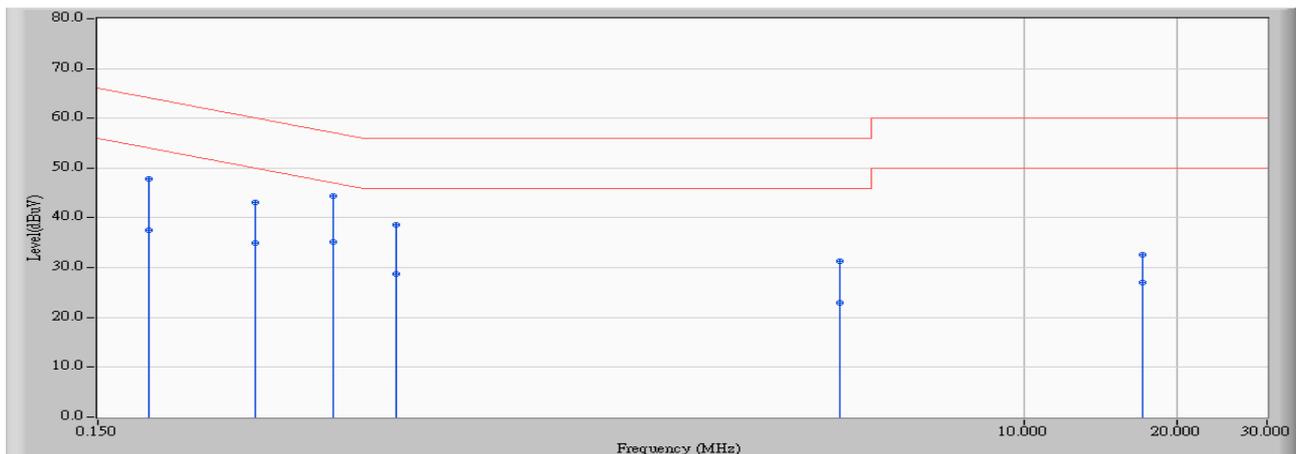


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.193	9.657	37.650	47.307	-16.601	63.908	QUASPEAK
2	0.193	9.657	27.760	37.417	-16.491	53.908	AVERAGE
3	0.271	9.667	33.580	43.247	-17.837	61.084	QUASPEAK
4	0.271	9.667	20.700	30.367	-20.717	51.084	AVERAGE
5	0.431	9.691	35.060	44.751	-12.478	57.229	QUASPEAK
6	*	9.691	25.880	35.571	-11.658	47.229	AVERAGE
7	0.560	9.711	32.610	42.321	-13.679	56.000	QUASPEAK
8	0.560	9.711	22.780	32.491	-13.509	46.000	AVERAGE
9	4.224	10.024	23.010	33.033	-22.967	56.000	QUASPEAK
10	4.224	10.024	12.510	22.533	-23.467	46.000	AVERAGE
11	18.775	10.290	23.440	33.730	-26.270	60.000	QUASPEAK
12	18.775	10.290	18.080	28.370	-21.630	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 : SR3	Time : 2012/05/09 - 19:04
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-1_0907 - Line2	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5775MHz,802.11ac(80MHz)

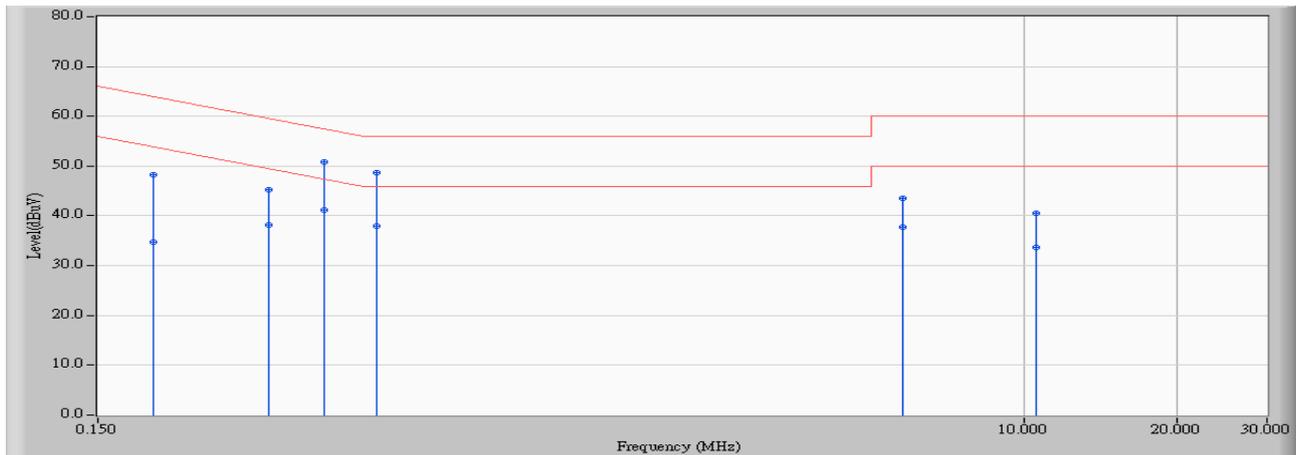


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.189	9.666	38.090	47.757	-16.321	64.078	QUASPEAK
2	0.189	9.666	27.760	37.427	-16.651	54.078	AVERAGE
3	0.306	9.682	33.430	43.112	-16.959	60.072	QUASPEAK
4	0.306	9.682	25.240	34.922	-15.149	50.072	AVERAGE
5	0.435	9.701	34.640	44.341	-12.813	57.154	QUASPEAK
6	*	9.701	25.390	35.091	-12.063	47.154	AVERAGE
7	0.580	9.721	28.890	38.611	-17.389	56.000	QUASPEAK
8	0.580	9.721	19.070	28.791	-17.209	46.000	AVERAGE
9	4.330	10.050	21.300	31.350	-24.650	56.000	QUASPEAK
10	4.330	10.050	12.970	23.020	-22.980	46.000	AVERAGE
11	17.029	10.427	22.150	32.577	-27.423	60.000	QUASPEAK
12	17.029	10.427	16.510	26.937	-23.063	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 : SR3	Time : 2012/05/09 - 19:22
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-1_0907 - Line1	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5775MHz,802.11ac(80MHz)

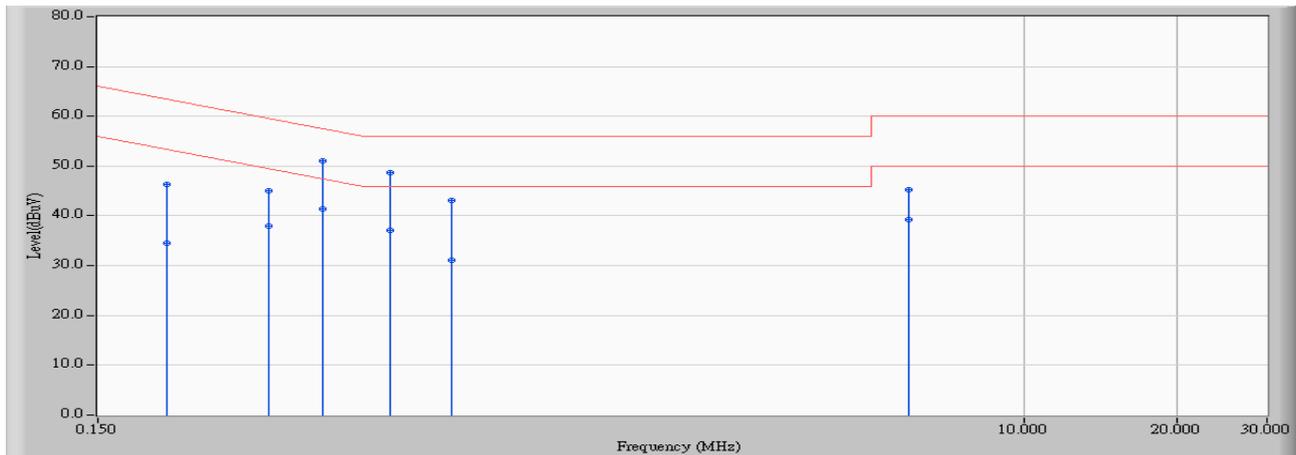


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.193	9.657	38.500	48.157	-15.751	63.908	QUASPEAK
2	0.193	9.657	25.030	34.687	-19.221	53.908	AVERAGE
3	0.326	9.675	35.640	45.315	-14.243	59.558	QUASPEAK
4	0.326	9.675	28.490	38.165	-11.393	49.558	AVERAGE
5	0.420	9.688	41.090	50.779	-6.679	57.457	QUASPEAK
6	*	9.688	31.550	41.239	-6.219	47.457	AVERAGE
7	0.529	9.706	38.940	48.646	-7.354	56.000	QUASPEAK
8	0.529	9.706	28.170	37.876	-8.124	46.000	AVERAGE
9	5.752	10.069	33.470	43.539	-16.461	60.000	QUASPEAK
10	5.752	10.069	27.600	37.669	-12.331	50.000	AVERAGE
11	10.517	10.143	30.470	40.613	-19.387	60.000	QUASPEAK
12	10.517	10.143	23.510	33.653	-16.347	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 : SR3	Time : 2012/05/09 - 19:24
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-1_0907 - Line2	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5775MHz,802.11ac(80MHz)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.205	9.669	36.680	46.348	-17.070	63.418	QUASPEAK
2	0.205	9.669	24.800	34.468	-18.950	53.418	AVERAGE
3	0.326	9.685	35.370	45.055	-14.503	59.558	QUASPEAK
4	0.326	9.685	28.330	38.015	-11.543	49.558	AVERAGE
5	0.416	9.698	41.280	50.978	-6.557	57.535	QUASPEAK
6	*	9.698	31.610	41.308	-6.227	47.535	AVERAGE
7	0.564	9.719	38.940	48.659	-7.341	56.000	QUASPEAK
8	0.564	9.719	27.280	36.999	-9.001	46.000	AVERAGE
9	0.748	9.745	33.470	43.215	-12.785	56.000	QUASPEAK
10	0.748	9.745	21.300	31.045	-14.955	46.000	AVERAGE
11	5.931	10.105	35.100	45.205	-14.795	60.000	QUASPEAK
12	5.931	10.105	29.240	39.345	-10.655	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

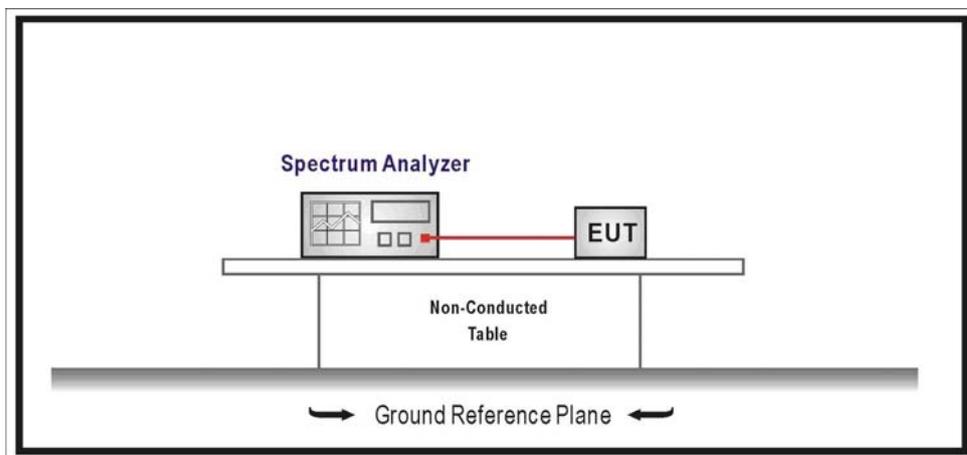
The following test equipments are used during the test:

Peak Power / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2013/02/19

Note: 1. 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 of Jan. 2012 KDB558074, Section 5.2.1.2 Measurement Procedure PK2 for compliance 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: 2011

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	23.92	1Watt= 30 dBm	Pass
6	2437	24.80	1Watt= 30 dBm	Pass
11	2462	24.32	1Watt= 30 dBm	Pass

The worst emission of data rate is 1Mbps.

Peak Power Output Value (dBm)						
Channel No.	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412	23.92	--	--	-	1Watt= 30 dBm
6	2437	24.80	24.79	24.75	24.71	1Watt= 30 dBm
11	2462	24.32	--	--	-	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

Channel 1

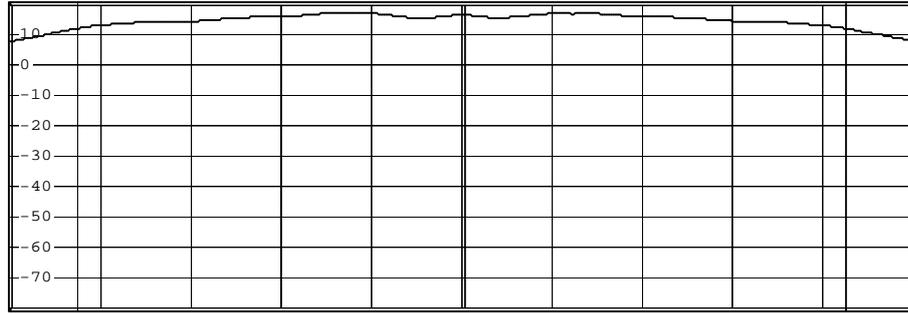


* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms

Ref 20 dBm

* Att 30 dB

1 PK
VIEW



Center 2.412 GHz

1 MHz/

Span 10 MHz

Tx Channel

Bandwidth

8.5 MHz

Power

23.92 dBm

Comment: A:\2

Date: 10.MAY.2012 14:38:10

Channel 6

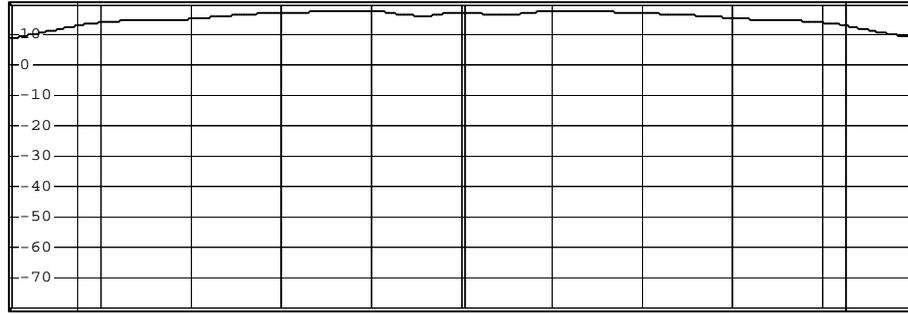


* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms

Ref 20 dBm

* Att 30 dB

1 PK
VIEW



Center 2.437 GHz

1 MHz/

Span 10 MHz

Tx Channel

Bandwidth

8.5 MHz

Power

24.80 dBm

Comment: A:\2

Date: 10.MAY.2012 14:43:40

Channel 11

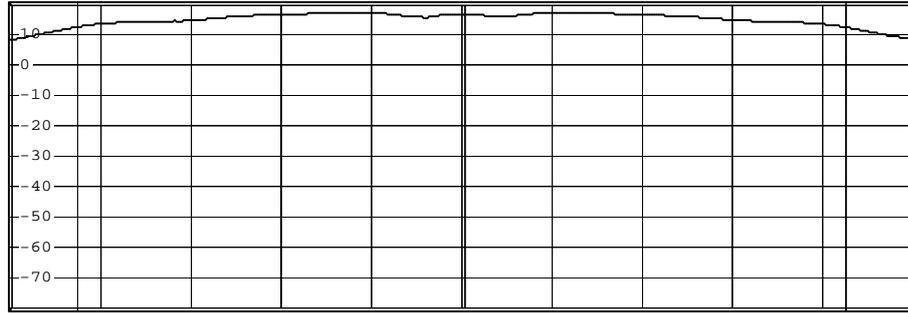


* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms

Ref 20 dBm

* Att 30 dB

1 PK
VIEW



Center 2.462 GHz

1 MHz/

Span 10 MHz

Tx Channel

Bandwidth

8.5 MHz

Power

24.32 dBm

Comment: A:\2

Date: 10.MAY.2012 14:50:01

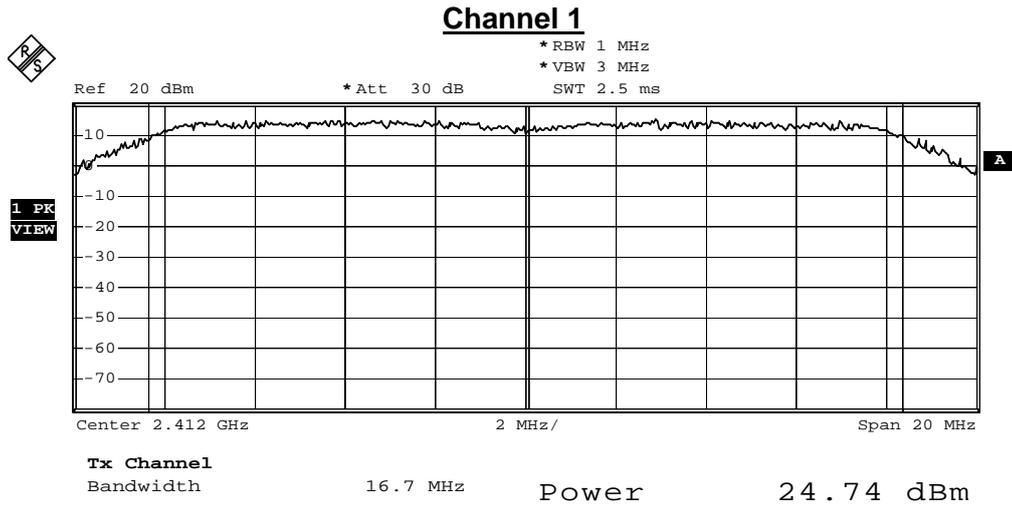
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.74	1Watt= 30 dBm	Pass
6	2437	25.28	1Watt= 30 dBm	Pass
11	2462	22.45	1Watt= 30 dBm	Pass

The worst emission of data rate is 6Mbps.

Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	24.74	--	--	-	--	--	-	1Watt= 30 dBm
6	2437	25.28	25.24	25.21	25.19	25.15	25.12	25.08	1Watt= 30 dBm
11	2462	22.45	--	--	-	--	--	-	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss



Comment: A:\2
Date: 10.MAY.2012 15:13:32

Channel 6

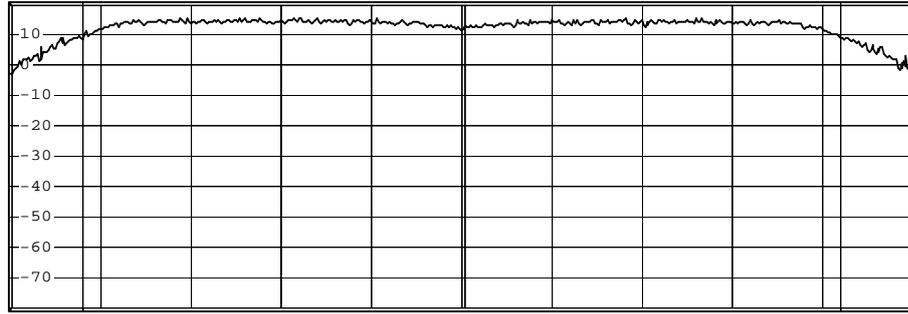


* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms

Ref 20 dBm

* Att 30 dB

1 PK
VIEW



Center 2.437 GHz

2 MHz/

Span 20 MHz

Tx Channel

Bandwidth

16.8 MHz

Power

25.28 dBm

Comment: A:\2

Date: 10.MAY.2012 15:10:37

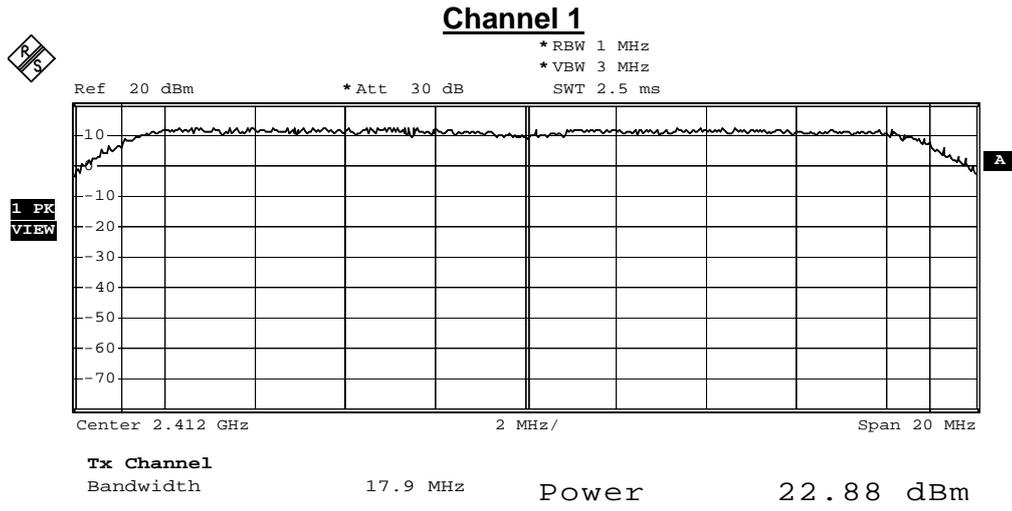
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	22.88	1Watt= 30 dBm	Pass
6	2437	23.39	1Watt= 30 dBm	Pass
11	2462	23.41	1Watt= 30 dBm	Pass

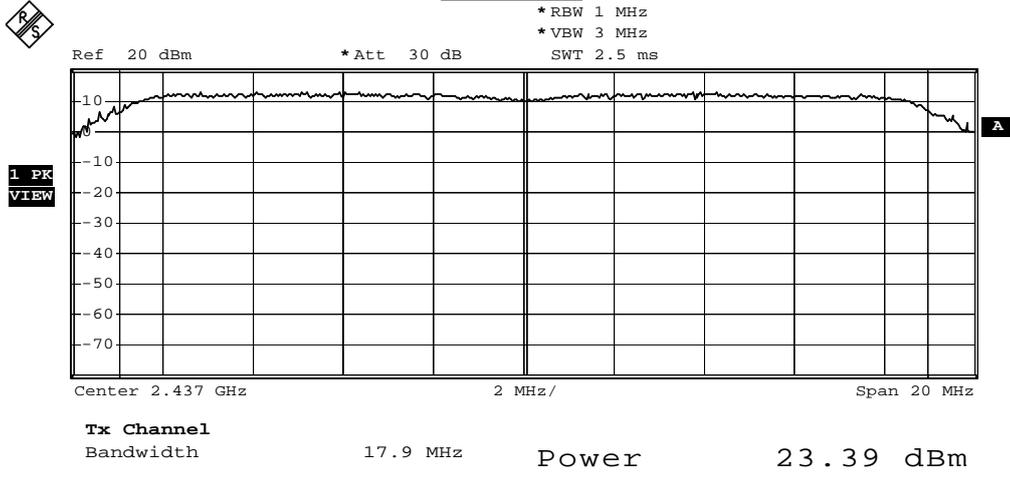
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	22.88	--	--	-	--	--	-	--	30dBm
6	2437	23.39	23.37	23.34	23.33	23.31	23.29	23.28	23.27	30dBm
11	2462	23.41	--	--	-	--	--	-	--	30dBm



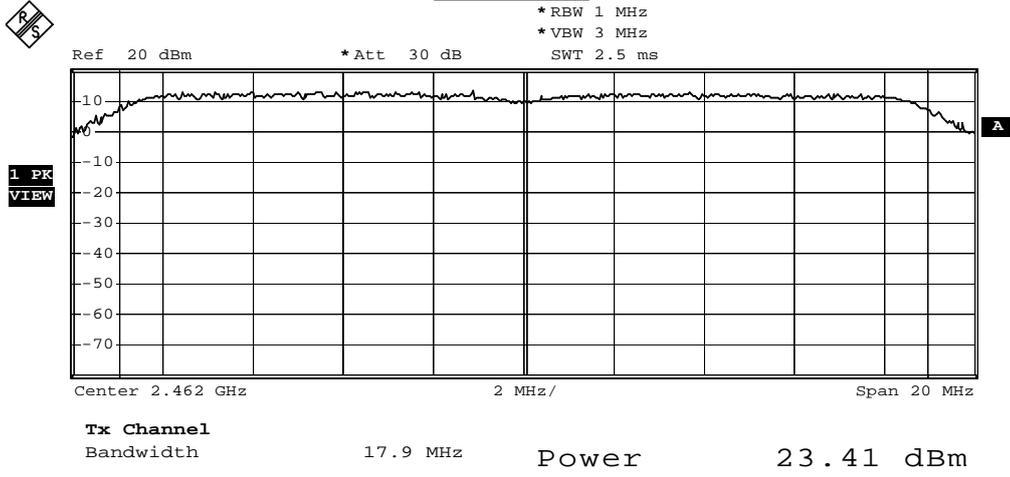
Comment: A:\2
Date: 10.MAY.2012 15:24:09

Channel 6



Comment: A:\2
Date: 10.MAY.2012 15:30:15

Channel 11



Comment: A:\2
Date: 10.MAY.2012 15:34:12

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	22.69	1Watt= 30 dBm	Pass
6	2437	23.09	1Watt= 30 dBm	Pass
11	2462	23.60	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	22.69	--	--	-	--	--	-	--	30dBm
6	2437	23.09	23.05	22.98	22.95	22.94	22.90	22.86	22.82	30dBm
11	2462	23.60	--	--	-	--	--	-	--	30dBm

Channel 1

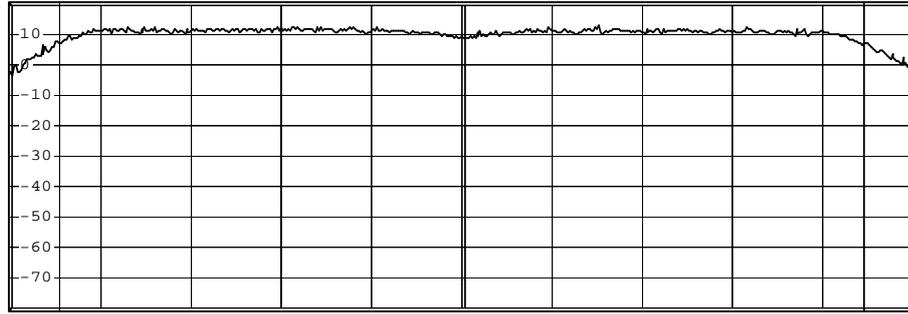


* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms

Ref 20 dBm

* Att 30 dB

1 PK
VIEW



Center 2.412 GHz

2 MHz/

Span 20 MHz

Tx Channel

Bandwidth

17.8 MHz

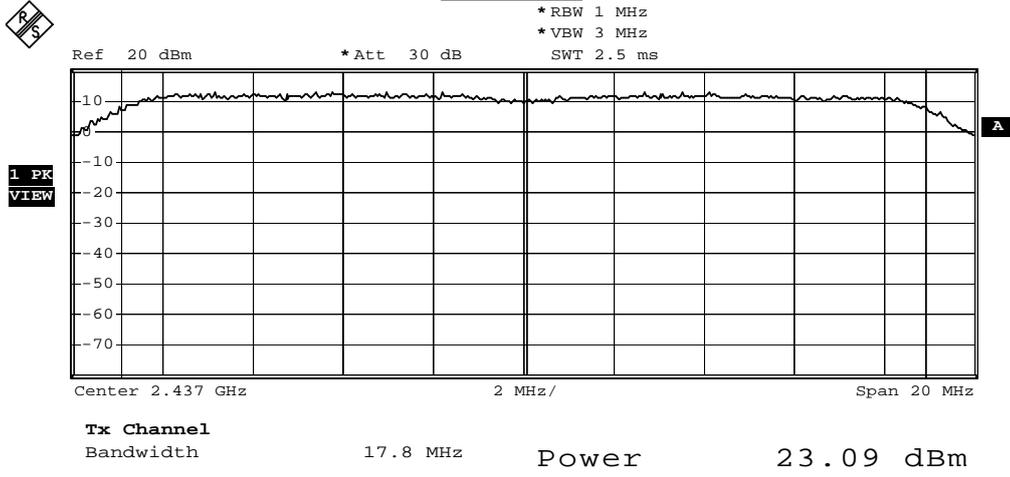
Power

22.69 dBm

Comment: A:\2

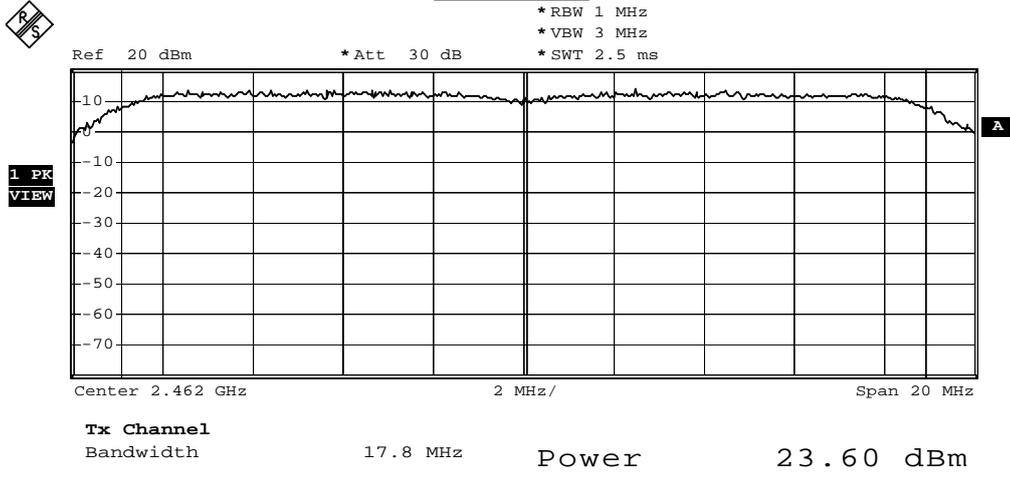
Date: 10.MAY.2012 15:42:47

Channel 6



Comment: A:\2
Date: 10.MAY.2012 15:47:46

Channel 11



Comment: A:\2
Date: 10.MAY.2012 15:55:05

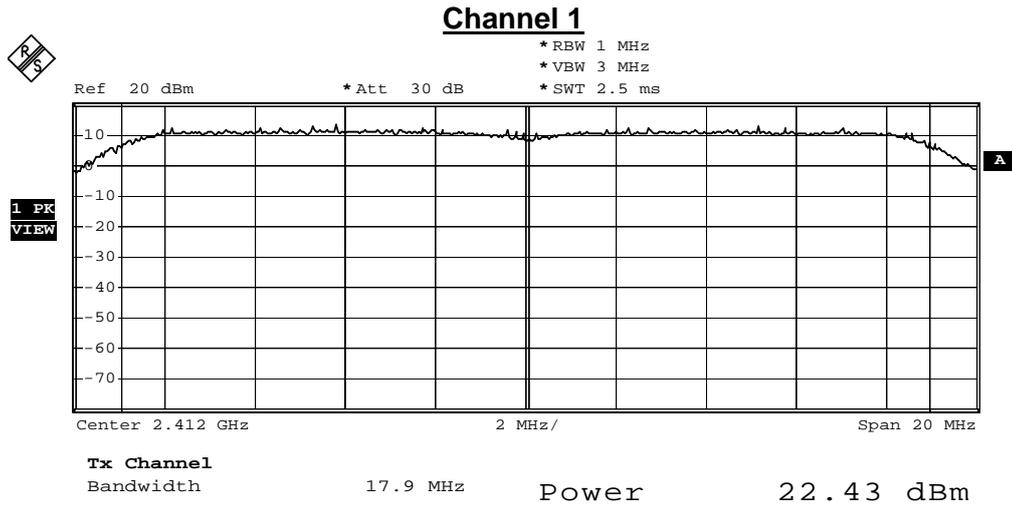
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	22.43	1Watt= 30 dBm	Pass
6	2437	22.32	1Watt= 30 dBm	Pass
11	2462	22.82	1Watt= 30 dBm	Pass

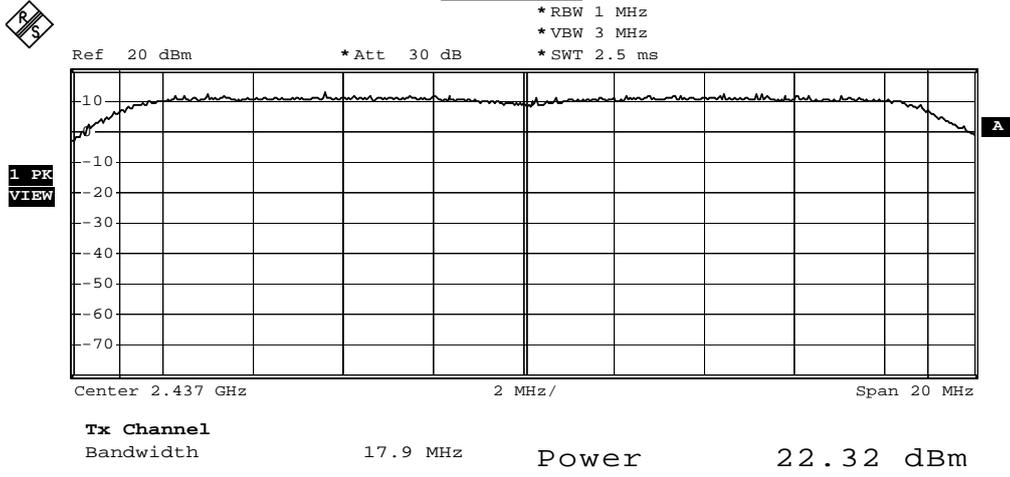
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	22.43	--	--	-	--	--	-	--	30dBm
6	2437	22.32	22.29	22.26	22.23	22.21	22.19	22.13	22.11	30dBm
11	2462	22.82	--	--	-	--	--	-	--	30dBm



Comment: A:\2
Date: 10.MAY.2012 16:08:25

Channel 6



Comment: A:\2
Date: 10.MAY.2012 16:13:14

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	27.44	1Watt= 30 dBm	Pass
6	2437	27.73	1Watt= 30 dBm	Pass
11	2462	28.06	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	27.44	--	--	-	--	--	-	--	30dBm
6	2437	27.73	27.70	27.65	27.63	27.61	27.59	27.55	27.53	30dBm
11	2462	28.06	--	--	-	--	--	-	--	30dBm

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	19.84	1Watt= 30 dBm	Pass
6	2437	20.15	1Watt= 30 dBm	Pass
9	2452	19.93	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	19.84	--	--	-	--	--	-	--	30dBm
6	2437	20.15	20.12	20.10	20.08	20.01	19.99	19.97	19.94	30dBm
9	2452	19.93	--	--	-	--	--	-	--	30dBm

Channel 3

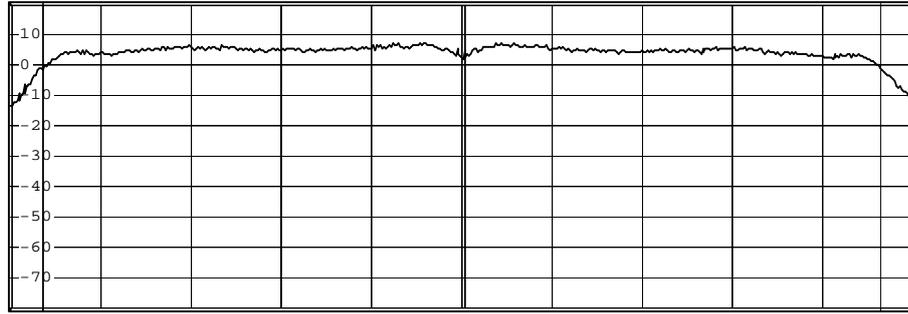


* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms

Ref 20 dBm

* Att 30 dB

1 PK
VIEW



Center 2.422 GHz

4 MHz/

Span 40 MHz

Tx Channel

Bandwidth

37 MHz

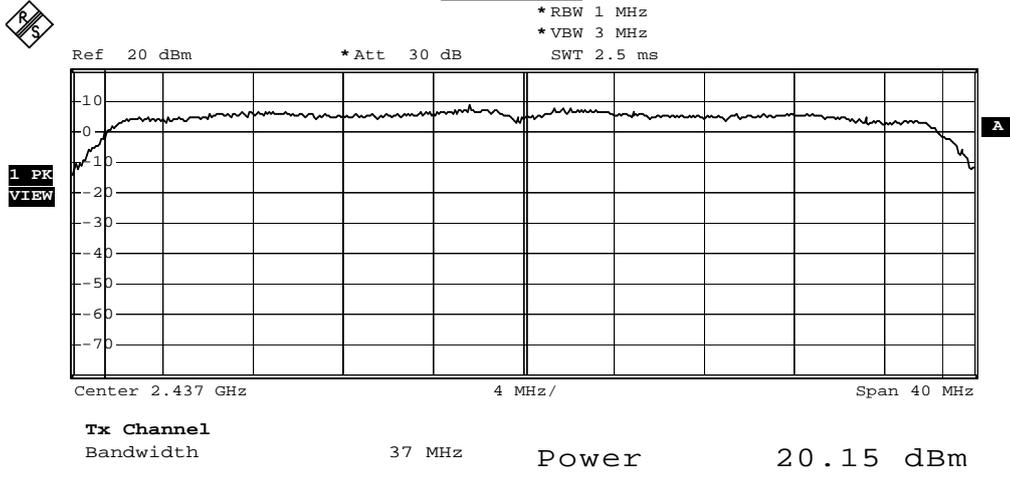
Power

19.84 dBm

Comment: A:\2

Date: 10.MAY.2012 17:01:40

Channel 6



Comment: A:\2
Date: 10.MAY.2012 16:58:59

Channel 9

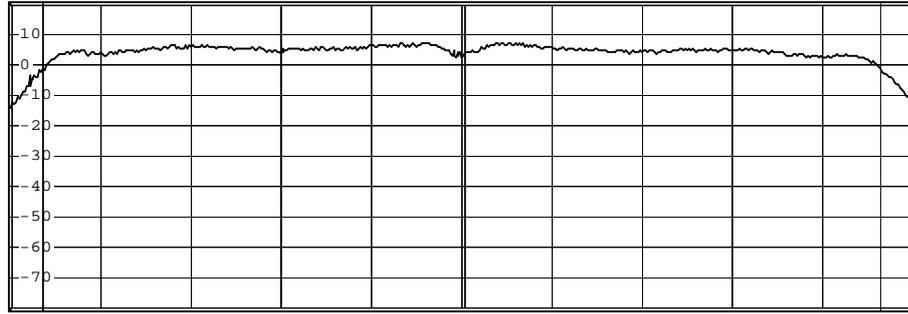


* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms

Ref 20 dBm

* Att 30 dB

1 PK
VIEW



Center 2.452 GHz

4 MHz/

Span 40 MHz

Tx Channel

Bandwidth

37 MHz

Power

19.93 dBm

Comment: A:\2

Date: 10.MAY.2012 16:54:52

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

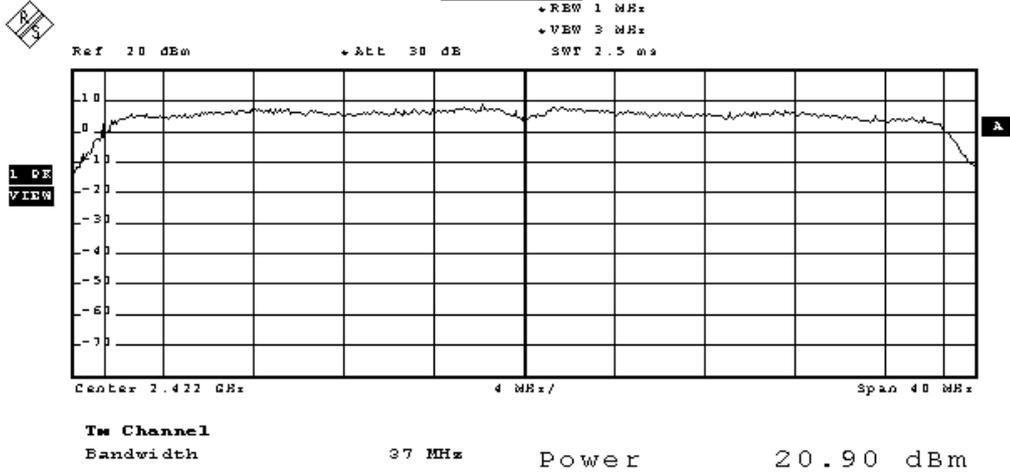
IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	20.90	1Watt= 30 dBm	Pass
6	2437	19.71	1Watt= 30 dBm	Pass
9	2452	20.91	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

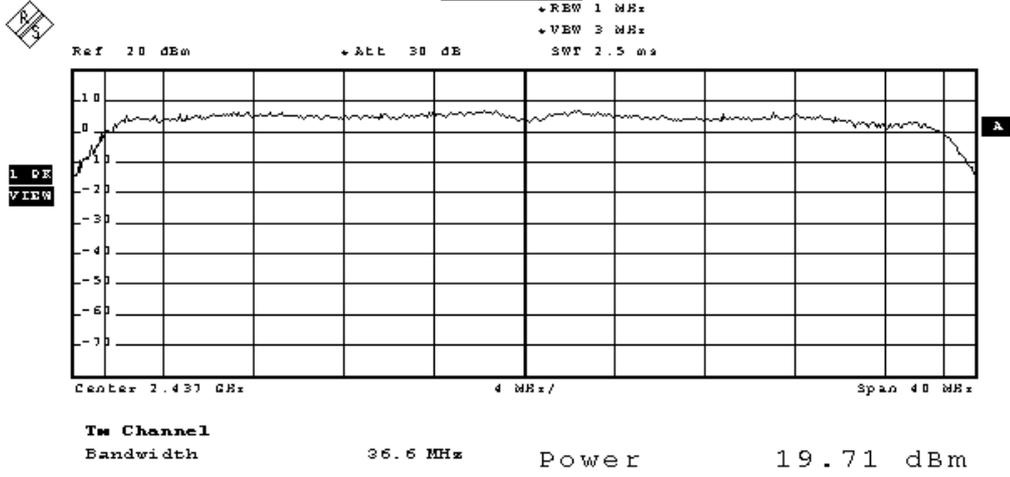
Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	20.90	--	--	-	--	--	-	--	30dBm
6	2437	19.71	19.68	19.65	19.64	19.62	19.58	19.54	19.52	30dBm
9	2452	20.91	--	--	-	--	--	-	--	30dBm

Channel 3



Comment: A:\2
Date: 10.MAY.2012 16:42:44

Channel 6

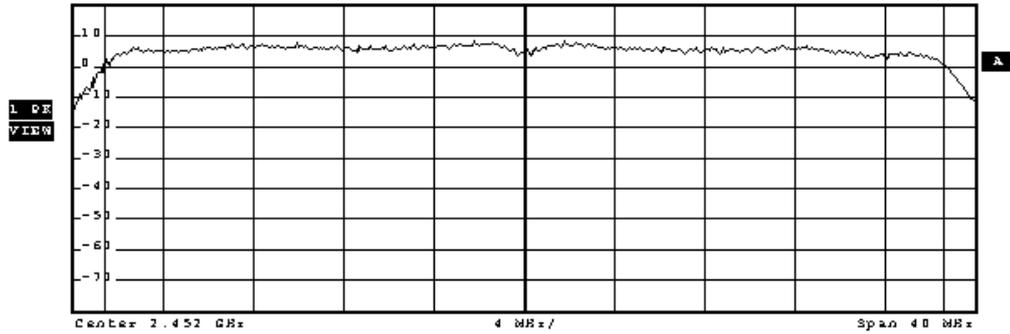


Comment: A:\2
Date: 10.MAY.2012 16:48:59

Channel 9



Ref 20 dBm +Att 30 dB +RES 1 MHz
+VEW 3 MHz SWT 2.5 ms



Ts Channel
Bandwidth 36.6 MHz Power 20.91 dBm

Comment: A:\2
Date: 10.MAY.2012 16:51:26

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

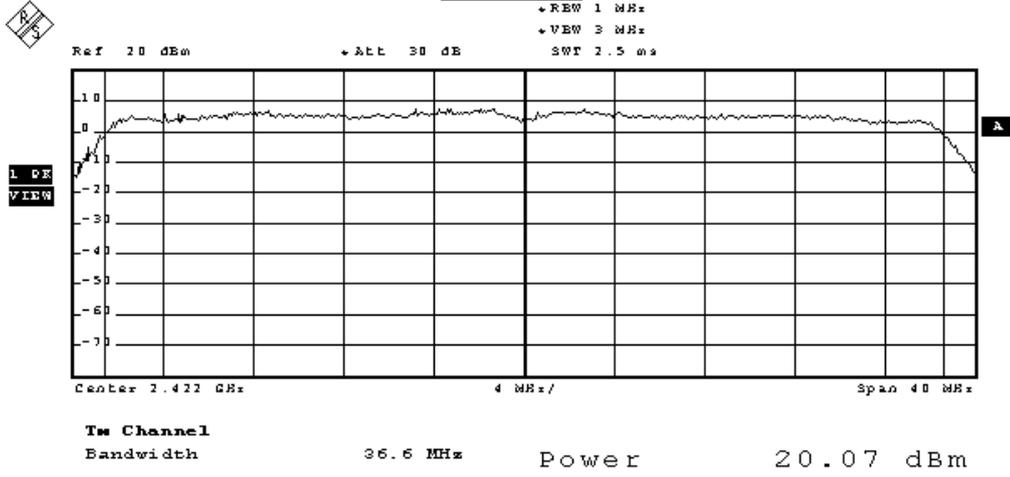
IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	20.07	1Watt= 30 dBm	Pass
6	2437	19.71	1Watt= 30 dBm	Pass
9	2452	20.31	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

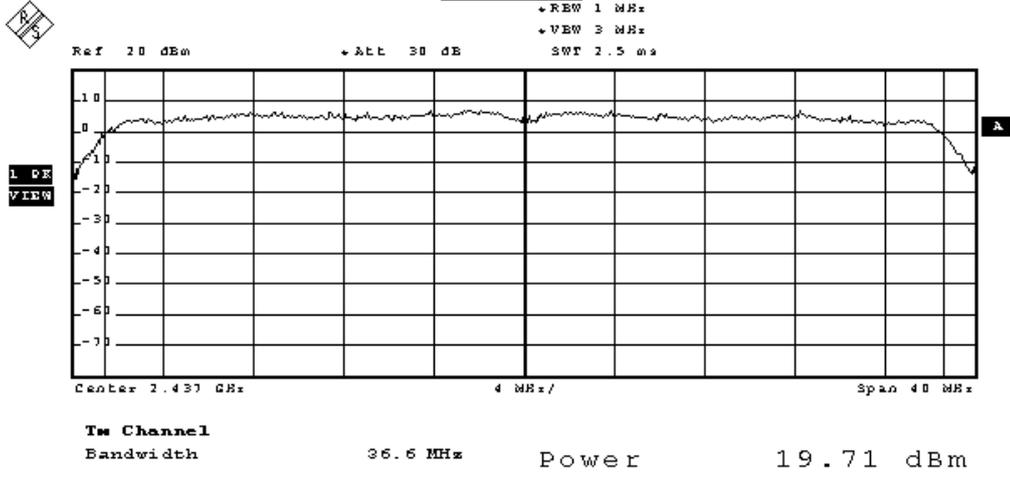
Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	20.07	--	--	-	--	--	-	--	30dBm
6	2437	19.71	19.69	19.64	19.62	19.60	19.59	19.57	19.54	30dBm
9	2452	20.31	--	--	-	--	--	-	--	30dBm

Channel 3



Comment: A:\2
Date: 10.MAY.2012 16:31:36

Channel 6

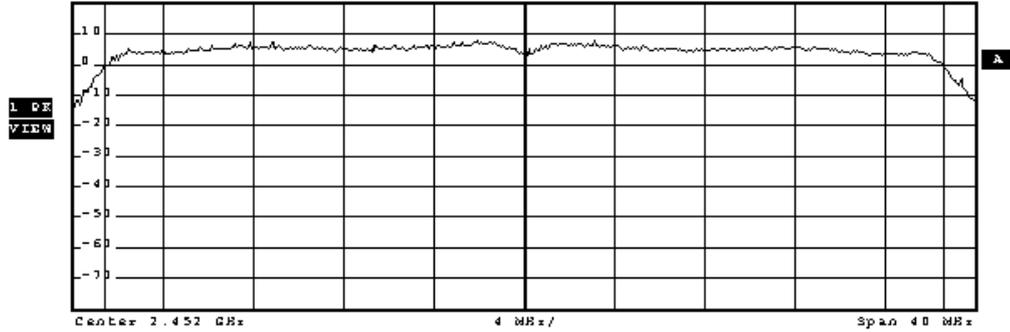


Comment: A:\2
Date: 10.MAY.2012 16:28:09

Channel 9



Ref 20 dBm +Att 30 dB SWT 2.5 ns
+RES 1 MHz
+VEW 3 MHz



Ts Channel
Bandwidth 36.2 MHz Power 20.31 dBm

Comment: A:\2
Date: 10.MAY.2012 16:23:24

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	25.07	1Watt= 30 dBm	Pass
6	2437	24.63	1Watt= 30 dBm	Pass
9	2452	25.17	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	25.07	--	--	-	--	--	-	--	30dBm
6	2437	24.63	24.61	24.57	24.56	24.52	24.50	24.47	24.44	30dBm
9	2452	25.17	--	--	-	--	--	-	--	30dBm

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11a				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	27.64	1Watt= 30 dBm	Pass
157	5785	27.42	1Watt= 30 dBm	Pass
165	5825	27.33	1Watt= 30 dBm	Pass

The worst emission of data rate is 6Mbps.

Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
149	5745	27.64	--	--	--	--	--	--	1Watt= 30 dBm
157	5785	27.42	27.38	27.36	27.32	27.25	27.23	27.19	1Watt= 30 dBm
165	5825	27.33	--	--	--	--	--	--	1Watt= 30 dBm

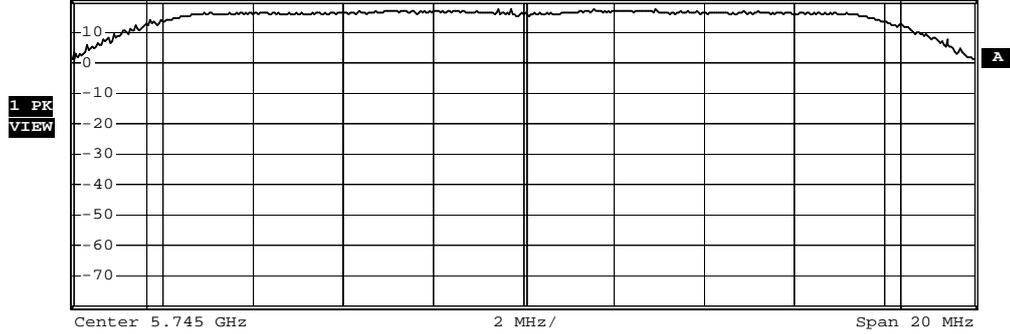
Channel 149



* RBW 1 MHz
* VBW 3 MHz
SWT 20 ms

Ref 20 dBm

* Att 30 dB



Tx Channel

Bandwidth

16.7 MHz

Power

27.64 dBm

Comment: A:\2

Date: 25.APR.2012 14:04:34

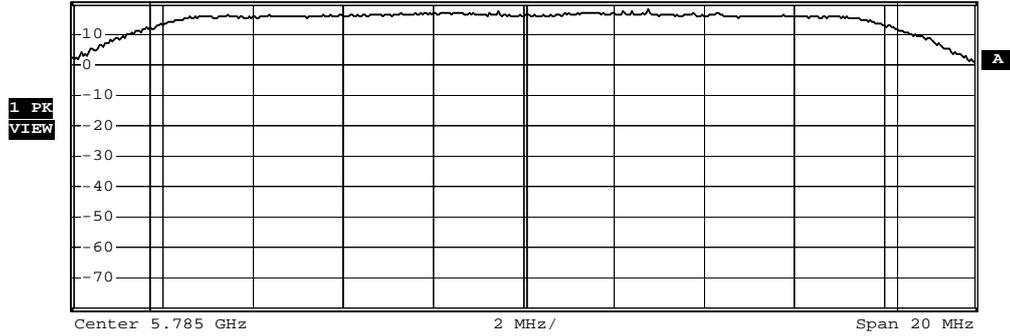
Channel 157



* RBW 1 MHz
* VBW 3 MHz
SWT 20 ms

Ref 20 dBm

* Att 30 dB



Tx Channel

Bandwidth

16.5 MHz

Power

27.42 dBm

Comment: A:\2

Date: 25.APR.2012 14:56:22

Channel 165

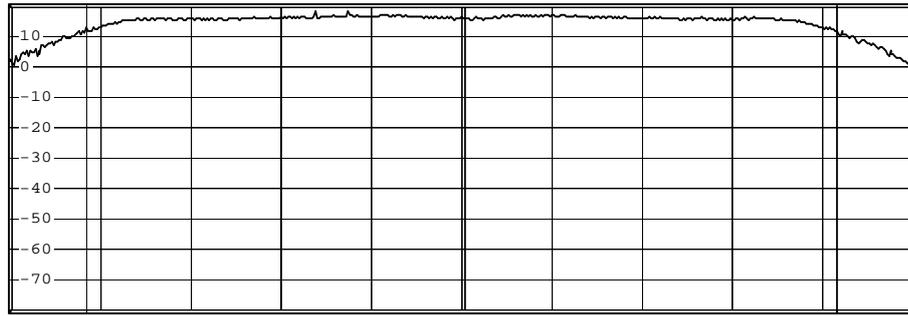


* RBW 1 MHz
* VBW 3 MHz
SWT 20 ms

Ref 20 dBm

* Att 30 dB

1 PK
VIEW



Center 5.825 GHz

2 MHz/

Span 20 MHz

Tx Channel

Bandwidth

16.6 MHz

Power

27.33 dBm

Comment: A:\2

Date: 25.APR.2012 14:52:49

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.30	1Watt= 30 dBm	Pass
157	5785	24.21	1Watt= 30 dBm	Pass
165	5825	24.28	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

		Peak Power Output (dBm)								Required Limit
MCS Index		16	17	18	19	20	21	22	23	
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	24.30	--	--	--	--	--	--	--	30dBm
157	5785	24.21	24.18	24.15	24.11	24.09	24.02	24.01	23.97	30dBm
165	5825	24.28	--	--	--	--	--	--	--	30dBm

Channel 157

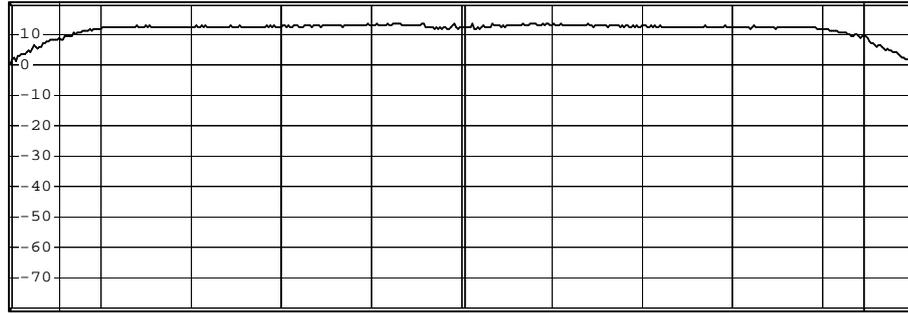


* RBW 1 MHz
* VBW 3 MHz
SWT 20 ms

Ref 20 dBm

* Att 30 dB

1 PK
VIEW



Center 5.785 GHz

2 MHz/

Span 20 MHz

Tx Channel

Bandwidth

17.8 MHz

Power

24.21 dBm

Comment: A:\2

Date: 25.APR.2012 15:02:53

Channel 165

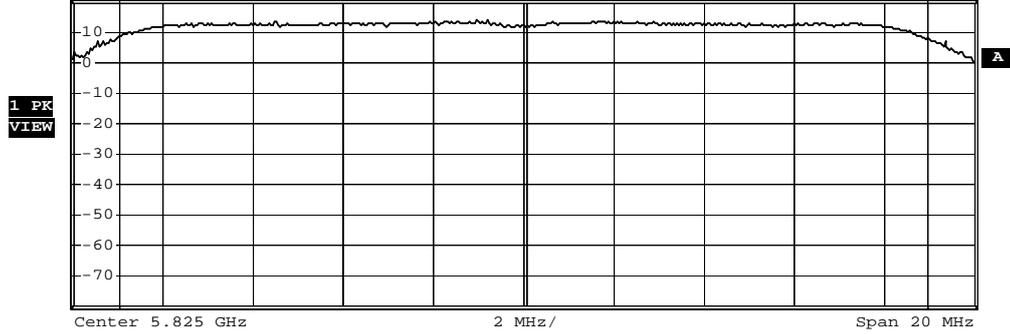


* RBW 1 MHz
* VBW 3 MHz
SWT 20 ms

Ref 20 dBm

* Att 30 dB

SWT 20 ms



Tx Channel

Bandwidth

17.9 MHz

Power

24.28 dBm

Comment: A:\2

Date: 25.APR.2012 15:05:48

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.44	1Watt= 30 dBm	Pass
157	5785	24.43	1Watt= 30 dBm	Pass
165	5825	24.28	1Watt= 30 dBm	Pass

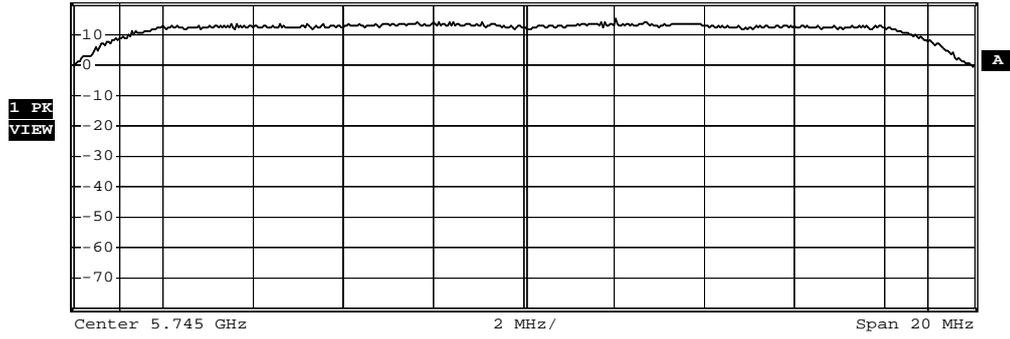
The worst emission of data rate is 19.5 Mbps.

		Peak Power Output (dBm)								Required Limit
MCS Index		16	17	18	19	20	21	22	23	
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	24.44	--	--	--	--	--	--	--	30dBm
157	5785	24.43	24.41	24.38	24.35	24.31	24.27	24.24	24.21	30dBm
165	5825	24.28	--	--	--	--	--	--	--	30dBm

Channel 149



Ref 20 dBm * Att 30 dB * RBW 1 MHz
* VBW 3 MHz
SWT 20 ms



Tx Channel

Bandwidth 17.9 MHz Power 24.44 dBm

Comment: A:\2
Date: 25.APR.2012 15:15:06

Channel 157



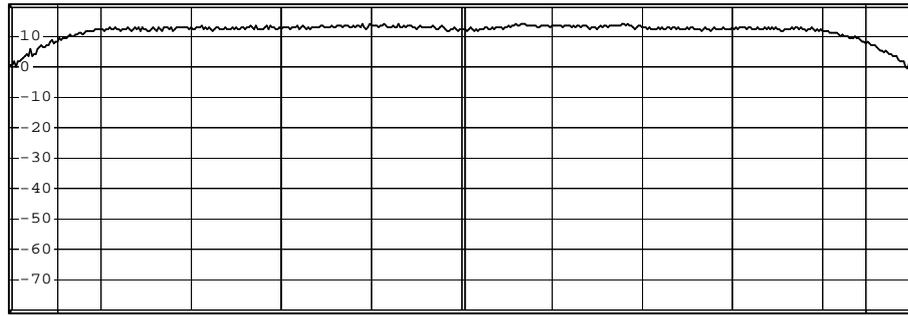
* RBW 1 MHz
* VBW 3 MHz
SWT 20 ms

Ref 20 dBm

* Att 30 dB

SWT 20 ms

1 PK
VIEW



Center 5.785 GHz

2 MHz/

Span 20 MHz

Tx Channel

Bandwidth

17.9 MHz

Power

24.43 dBm

Comment: A:\2

Date: 25.APR.2012 15:16:51

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

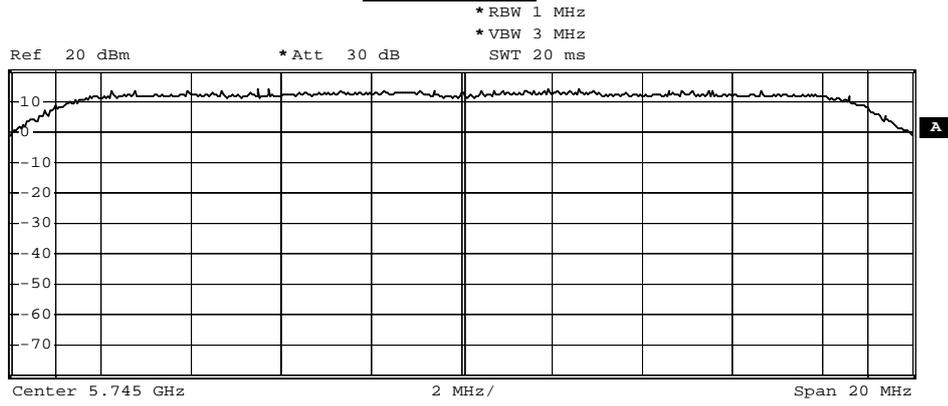
IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.00	1Watt= 30 dBm	Pass
157	5785	24.15	1Watt= 30 dBm	Pass
165	5825	24.22	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	24.00	--	--	--	--	--	--	--	30dBm
157	5785	24.15	24.12	24.08	24.07	24.06	24.04	24.01	23.99	30dBm
165	5825	24.22	--	--	--	--	--	--	--	30dBm

Channel 149



Tx Channel
Bandwidth 18 MHz Power 24.00 dBm

Comment: A:\2
Date: 25.APR.2012 15:28:43

Channel 157

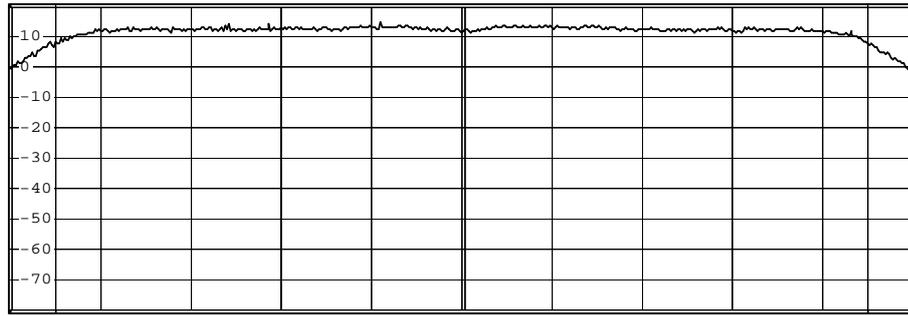


* RBW 1 MHz
* VBW 3 MHz
SWT 20 ms

Ref 20 dBm

* Att 30 dB

1 PK
VIEW



Center 5.785 GHz

2 MHz/

Span 20 MHz

Tx Channel

Bandwidth

18 MHz

Power

24.15 dBm

Comment: A:\2

Date: 25.APR.2012 15:26:23

Channel 165



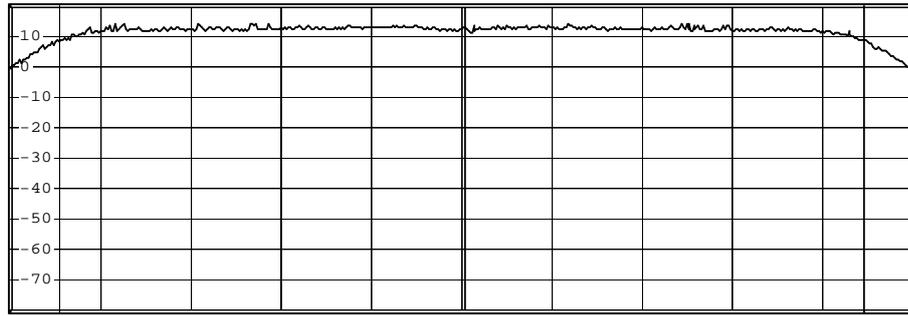
* RBW 1 MHz
* VBW 3 MHz
SWT 20 ms

Ref 20 dBm

* Att 30 dB

SWT 20 ms

1 PK
VIEW



Center 5.825 GHz

2 MHz/

Span 20 MHz

Tx Channel

Bandwidth

17.8 MHz

Power

24.22 dBm

Comment: A:\2

Date: 25.APR.2012 15:23:48

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	29.02	≤ 30	Pass
157	5785	29.04	≤ 30	Pass
165	5825	29.03	≤ 30	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	29.02	--	--	--	--	--	--	--	30dBm
157	5785	29.04	29.01	28.98	28.95	28.93	28.88	28.86	28.83	30dBm
165	5825	29.03	--	--	--	--	--	--	--	30dBm

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	24.06	1Watt= 30 dBm	Pass
159	5795	23.76	1Watt= 30 dBm	Pass

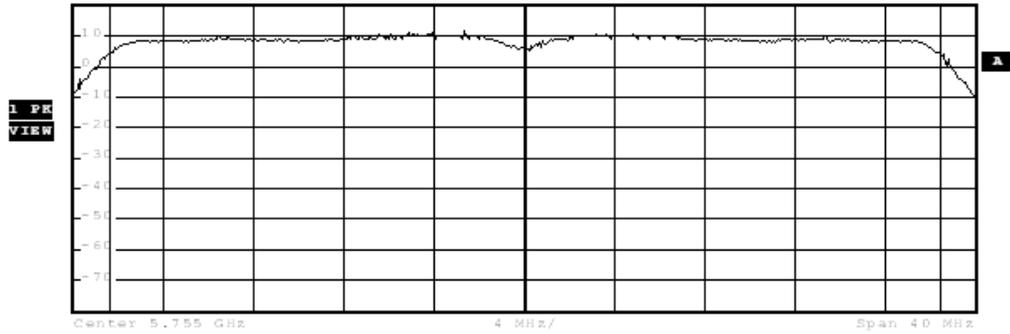
The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	24.06	24.04	24.03	23.95	23.91	23.88	23.82	23.79	30dBm
159	5795	23.76	--	--	--	--	--	--	--	30dBm

Channel 151



Ref 20 dBm + Att 30 dB RBW 1 MHz
VBW 3 MHz SWT 20 ms

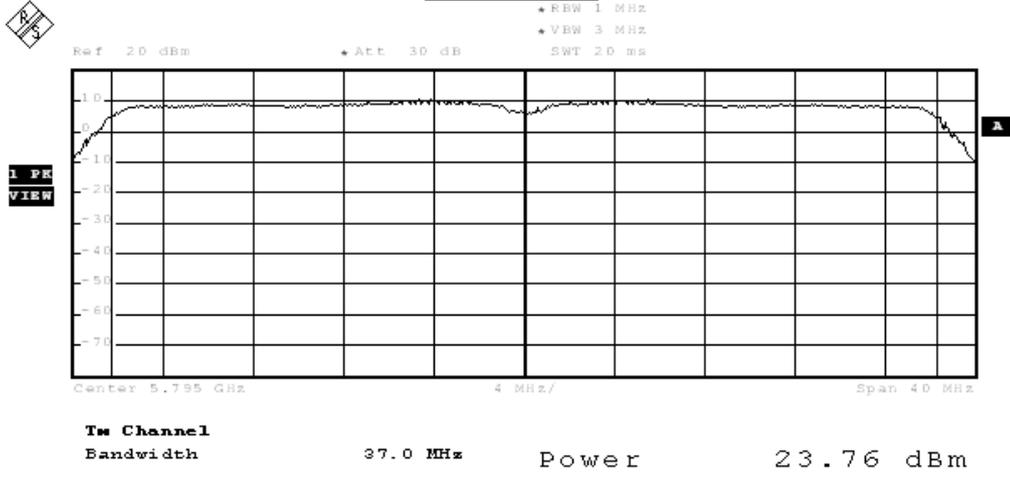


1 PR
VIEW

Te Channel
Bandwidth 37.0 MHz Power 24.06 dBm

Comment: A:\2
Date: 25.APR.2012 16:07:15

Channel 159



Comment: A:\2
Date: 25.APR.2012 16:05:09

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	24.25	1Watt= 30 dBm	Pass
159	5795	24.05	1Watt= 30 dBm	Pass

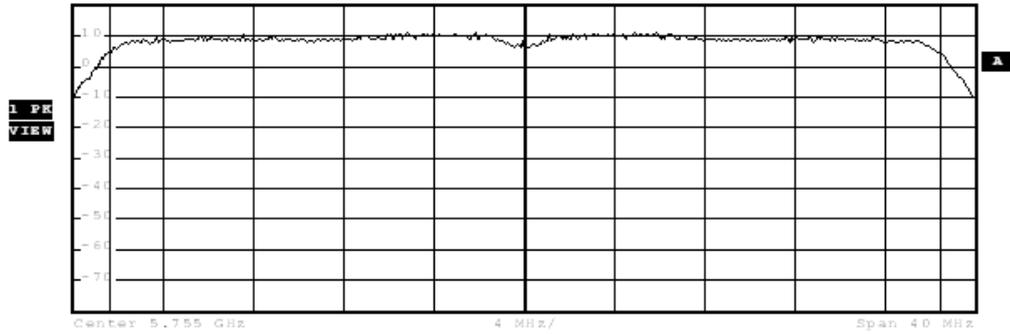
The worst emission of data rate is 40.5Mbps

		Peak Power Output (dBm)								Required Limit
MCS Index		16	17	18	19	20	21	22	23	
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	24.25	24.24	24.21	24.14	24.12	24.07	24.02	24.01	30dBm
159	5795	24.05	--	--	--	--	--	--	--	30dBm

Channel 151



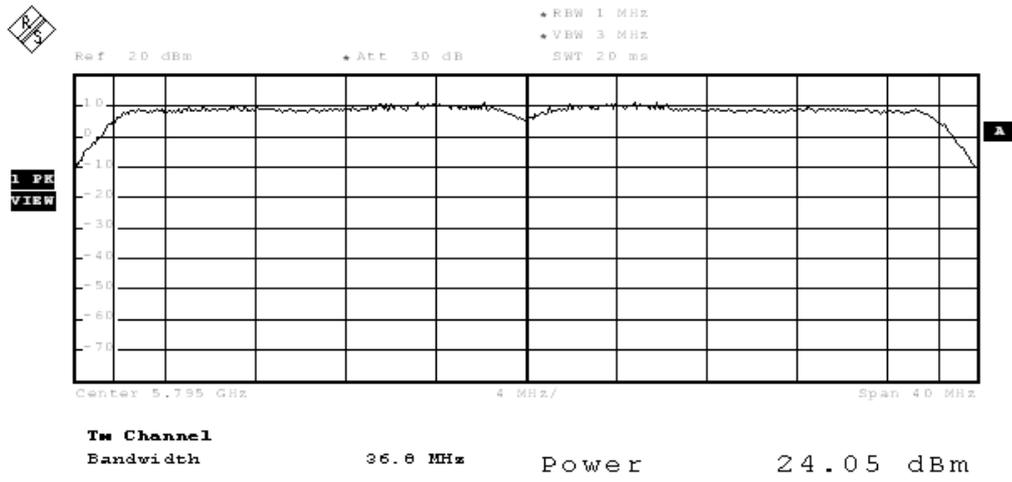
Ref 20 dBm + Att 30 dB RBW 1 MHz
+ VBW 3 MHz SWT 20 ms



Te Channel
Bandwidth 36.6 MHz Power 24.25 dBm

Comment: A:\2
Date: 25.APR.2012 15:56:38

Channel 159



Comment: A:\2
Date: 25.APR.2012 16:01:09

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	24.30	1Watt= 30 dBm	Pass
159	5795	24.07	1Watt= 30 dBm	Pass

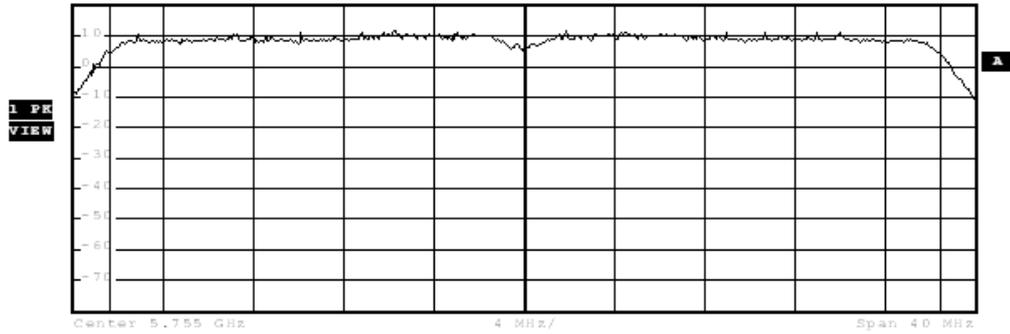
The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	24.30	24.28	24.27	24.22	24.17	24.12	24.11	24.08	30dBm
159	5795	24.07	--	--	--	--	--	--	--	30dBm

Channel 151



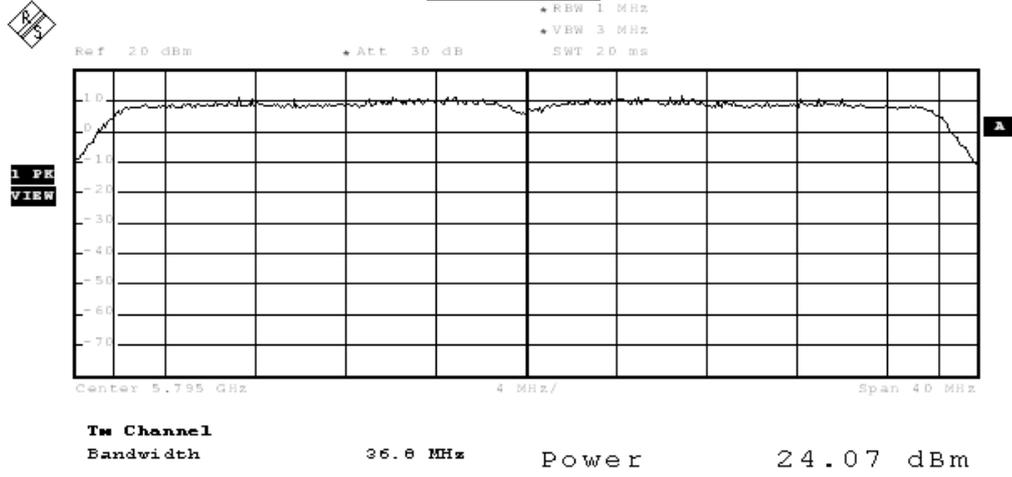
Ref 20 dBm + Att 30 dB RBW 1 MHz
+ VBW 3 MHz SWT 20 ms



Channel
Bandwidth 36.6 MHz Power 24.30 dBm

Comment: A:\2
Date: 25.APR.2012 15:44:52

Channel 159



Comment: A:\2
Date: 25.APR.2012 15:50:30

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	28.98	1Watt= 30 dBm	Pass
159	5795	28.73	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	28.98	28.96	28.94	28.88	28.84	28.80	28.76	28.73	30dBm
159	5795	28.73	--	--	--	--	--	--	--	30dBm

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	22.31	1Watt= 30 dBm	Pass
157	5785	22.64	1Watt= 30 dBm	Pass
165	5825	21.64	1Watt= 30 dBm	Pass

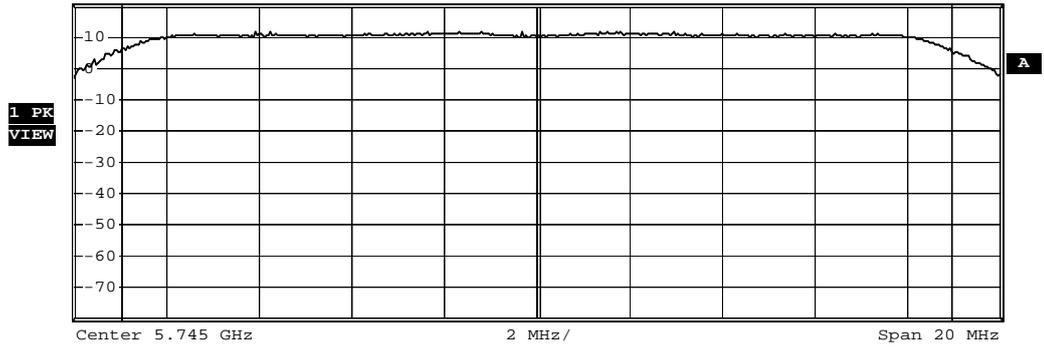
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		19.5	39	58.5	78	117	156	175.5	195	234	N/A	
149	5745	22.31	--	--	--	--	--	--	--		--	30dBm
157	5785	22.64	22.62	22.61	22.58	22.54	22.52	22.51	22.49	22.47	--	30dBm
165	5825	21.64	--	--	--	--	--	--	--		--	30dBm

Channel 149



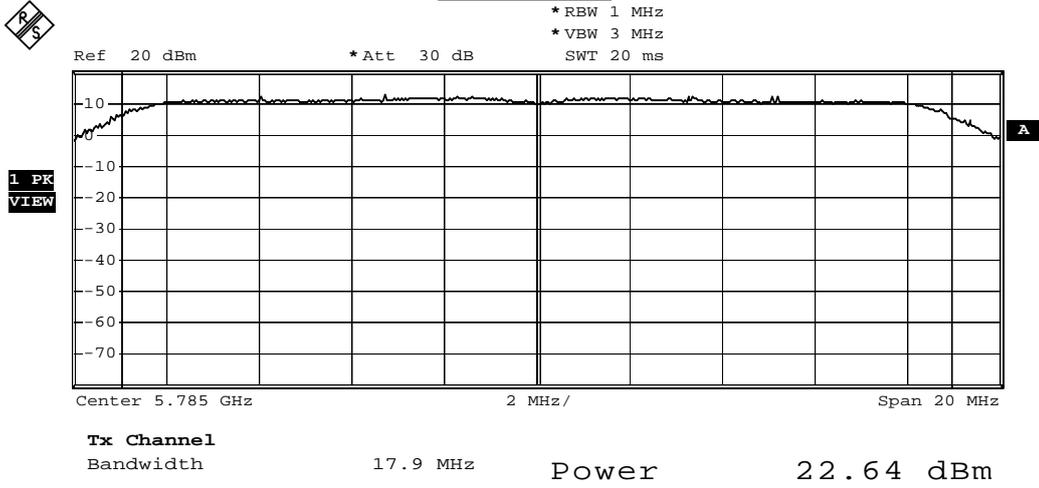
Ref 20 dBm * Att 30 dB * RBW 1 MHz
* VBW 3 MHz SWT 20 ms



Tx Channel
Bandwidth 17.9 MHz Power 22.31 dBm

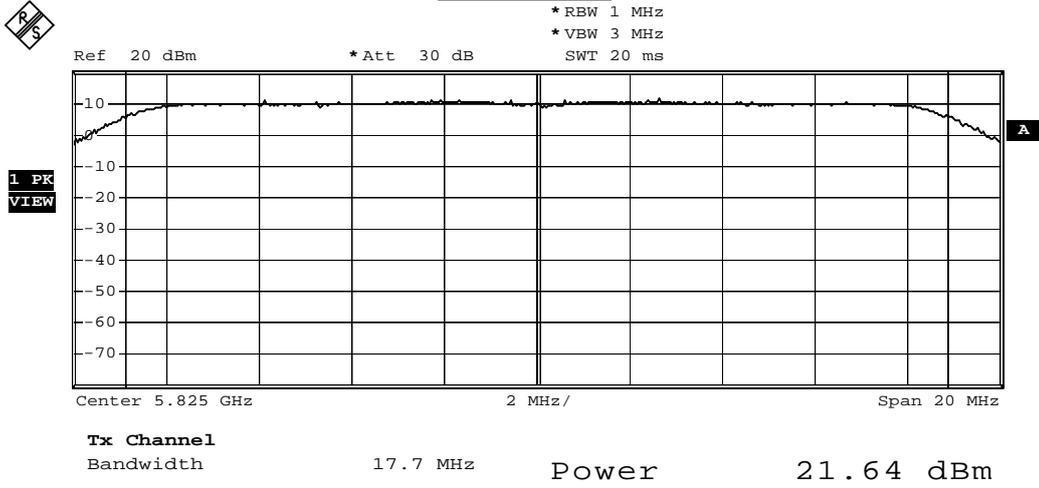
Date: 18.MAY.2012 20:49:12

Channel 157



Date: 18.MAY.2012 20:52:57

Channel 165



Date: 18.MAY.2012 20:55:15

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

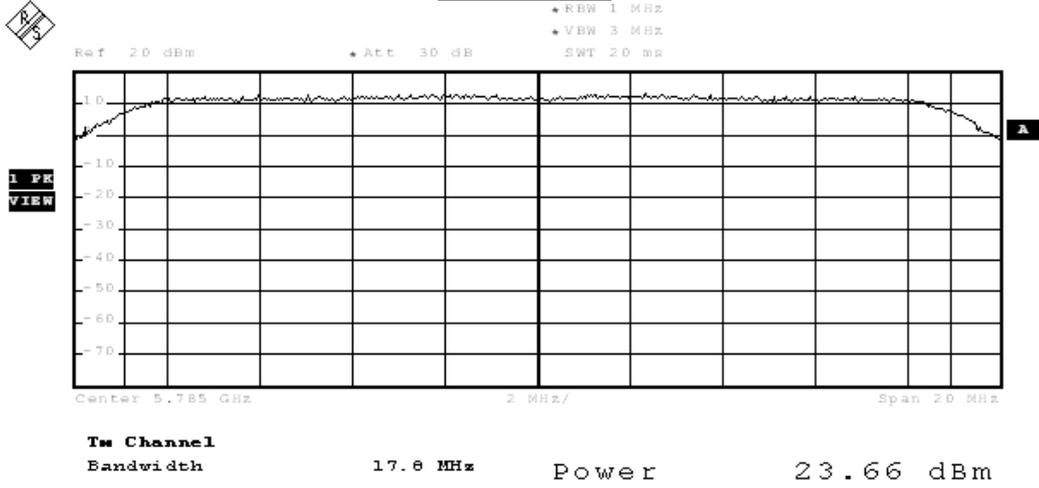
IEEE 802.11ac 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	23.66	1Watt= 30 dBm	Pass
157	5785	23.36	1Watt= 30 dBm	Pass
165	5825	22.57	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

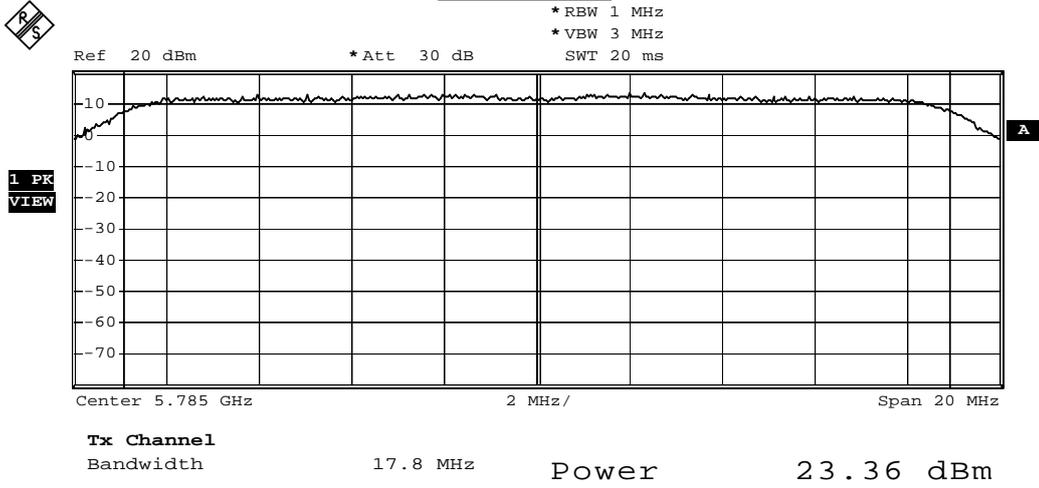
Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		19.5	39	58.5	78	117	156	175.5	195	234	N/A	
149	5745	23.66	--	--	--	--	--	--	--	--	--	30dBm
157	5785	23.36	23.32	23.28	23.25	23.21	23.17	23.14	23.11	23.09	--	30dBm
165	5825	22.57	--	--	--	--	--	--	--	--	--	30dBm

Channel 149



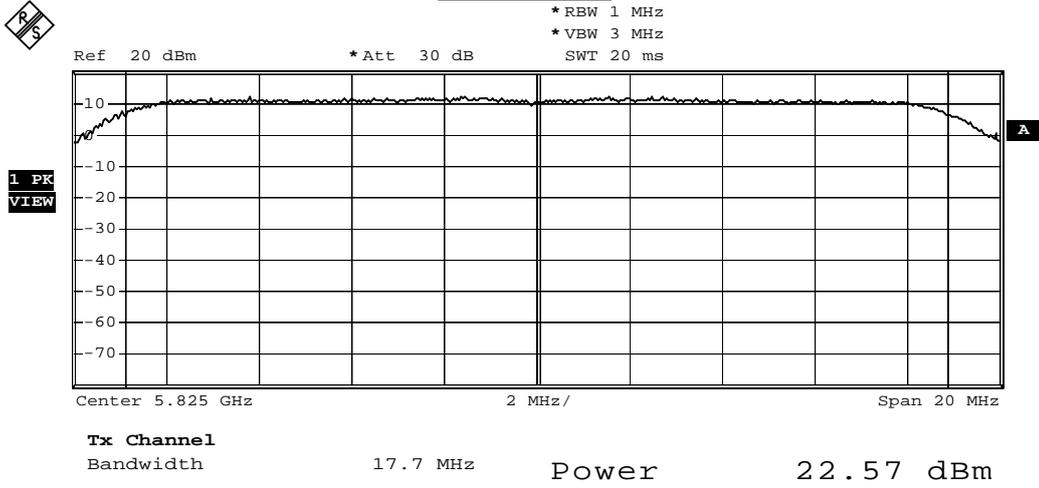
Date: 18.MAY.2012 21:01:16

Channel 157



Date: 18.MAY.2012 21:01:16

Channel 165



Date: 18.MAY.2012 20:58:11

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

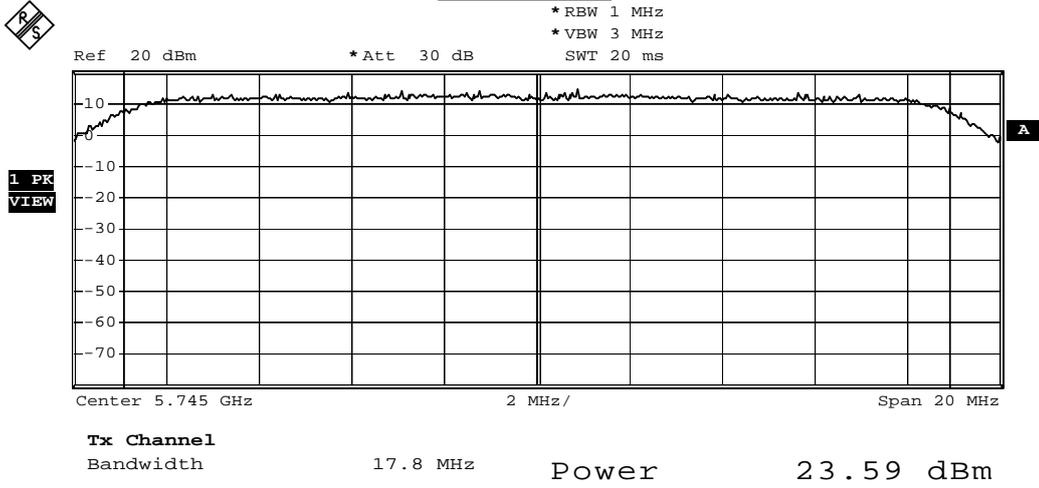
IEEE 802.11ac 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	23.59	1Watt= 30 dBm	Pass
157	5785	23.23	1Watt= 30 dBm	Pass
165	5825	22.93	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

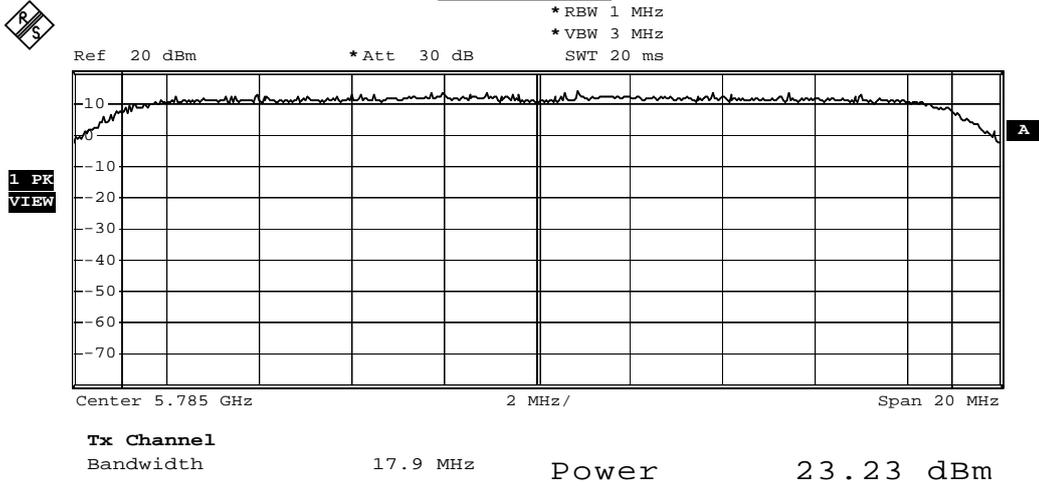
Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		19.5	39	58.5	78	117	156	175.5	195	234	N/A	
149	5745	23.59	--	--	--	--	--	--	--		--	30dBm
157	5785	23.23	23.21	23.18	23.17	23.16	23.14	23.11	23.09	23.06	--	30dBm
165	5825	22.93	--	--	--	--	--	--	--		--	30dBm

Channel 149



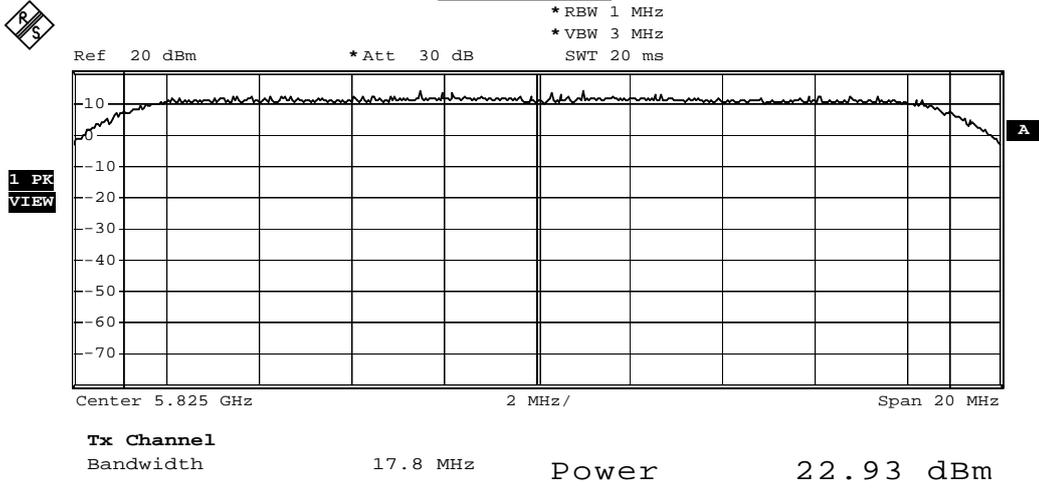
Date: 18.MAY.2012 21:08:51

Channel 157



Date: 18.MAY.2012 21:11:01

Channel 165



Date: 18.MAY.2012 21:14:37

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac 20MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	28.00	1Watt= 30 dBm	Pass
157	5785	27.86	1Watt= 30 dBm	Pass
165	5825	27.18	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		19.5	39	58.5	78	117	156	175.5	195	234	N/A	
149	5745	28.00	--	--	--	--	--	--	--	--	--	30dBm
157	5785	27.86	27.83	27.8	27.78	27.75	27.72	27.7	27.68	27.65	--	30dBm
165	5825	27.18	--	--	--	--	--	--	--	--	--	30dBm

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

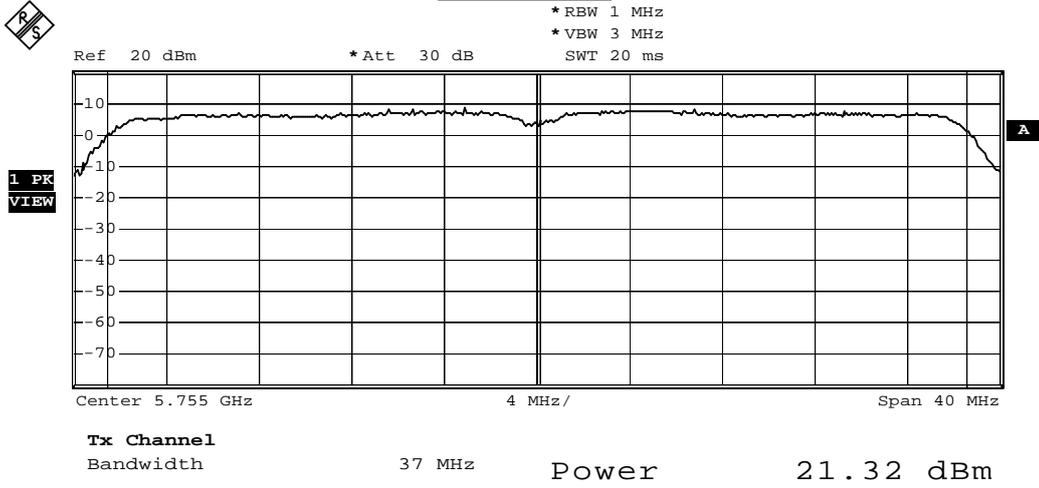
IEEE802.11ac 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	21.32	1Watt= 30 dBm	Pass
159	5795	21.20	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		40.5	81	121.5	162	243	324	364.5	405	486	540	
151	5755	21.32	21.31	21.29	21.25	21.21	21.18	21.12	21.09	21.07	21.03	30dBm
159	5795	21.20	--	--	--	--	--	--	--	--	--	30dBm

Channel 151



Date: 18.MAY.2012 21:42:43

Channel 159

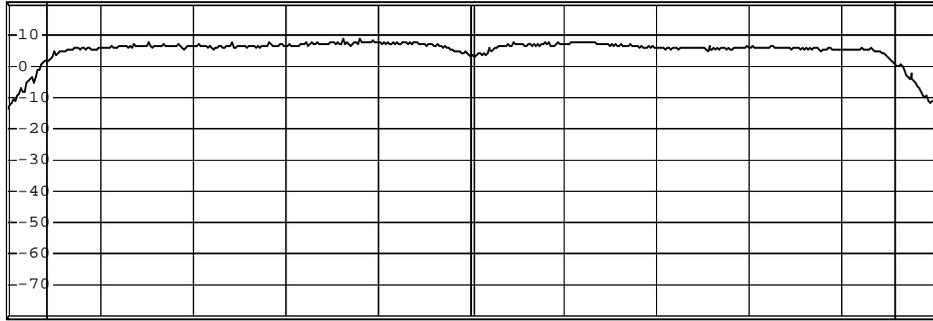


* RBW 1 MHz
* VBW 3 MHz
SWT 20 ms

Ref 20 dBm

* Att 30 dB

1 PK
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Tx Channel

Bandwidth

36.6 MHz

Power

21.20 dBm

Date: 18.MAY.2012 21:44:50

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

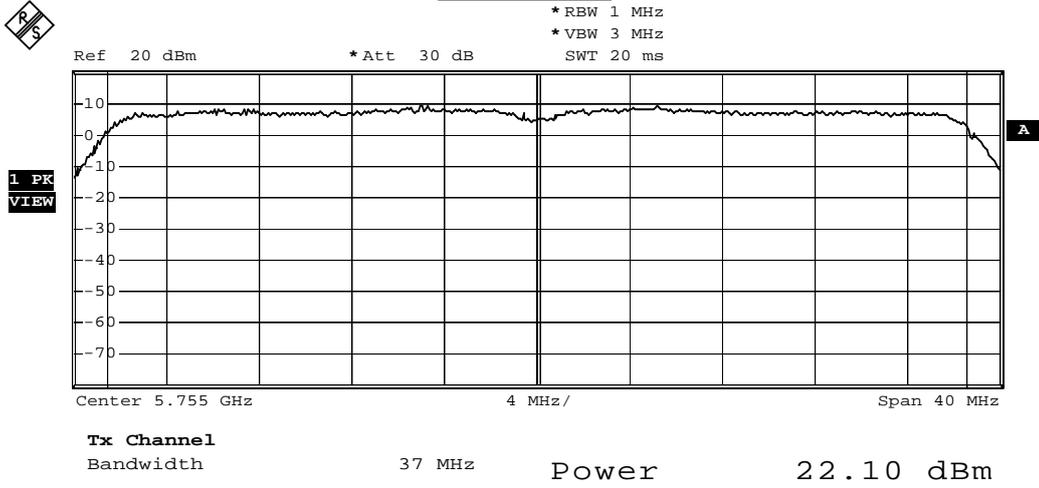
IEEE802.11ac 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	22.10	1Watt= 30 dBm	Pass
159	5795	22.20	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

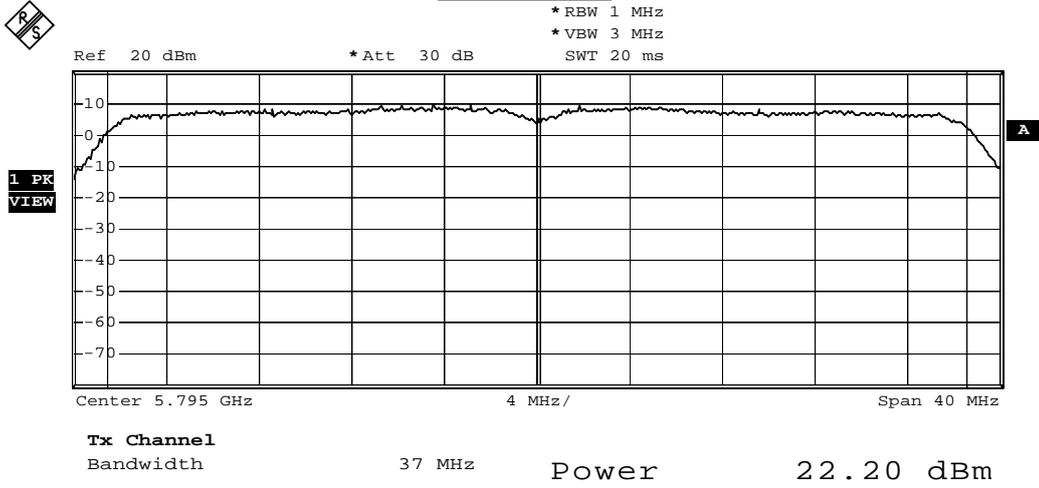
Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		40.5	81	121.5	162	243	324	364.5	405	486	540	
151	5755	22.10	22.04	21.99	21.94	21.92	21.87	21.82	21.81	21.78	21.73	30dBm
159	5795	22.20	--	--	--	--	--	--	--	--	--	30dBm

Channel 151



Date: 18.MAY.2012 21:38:23

Channel 159



Date: 18.MAY.2012 21:36:18

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

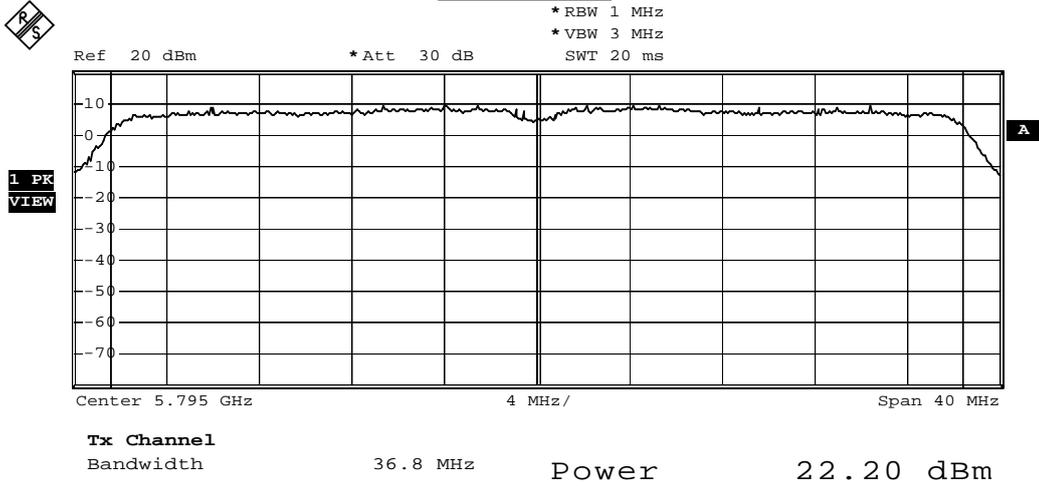
IEEE802.11ac 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	22.42	1Watt= 30 dBm	Pass
159	5795	22.20	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		40.5	81	121.5	162	243	324	364.5	405	486	540	
151	5755	22.42	22.41	22.37	22.32	22.27	22.22	22.21	22.18	22.13	22.09	30dBm
159	5795	22.20	--	--	--	--	--	--	--	--	--	30dBm

Channel 159



Date: 18.MAY.2012 21:33:17

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE802.11ac 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	26.74	1Watt= 30 dBm	Pass
159	5795	26.66	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		40.5	81	121.5	162	243	324	364.5	405	486	540	
151	5755	26.74	26.71	26.68	26.63	26.59	26.55	26.51	26.49	26.45	26.41	30dBm
159	5795	26.66	--	--	--	--	--	--	--	--	--	30dBm

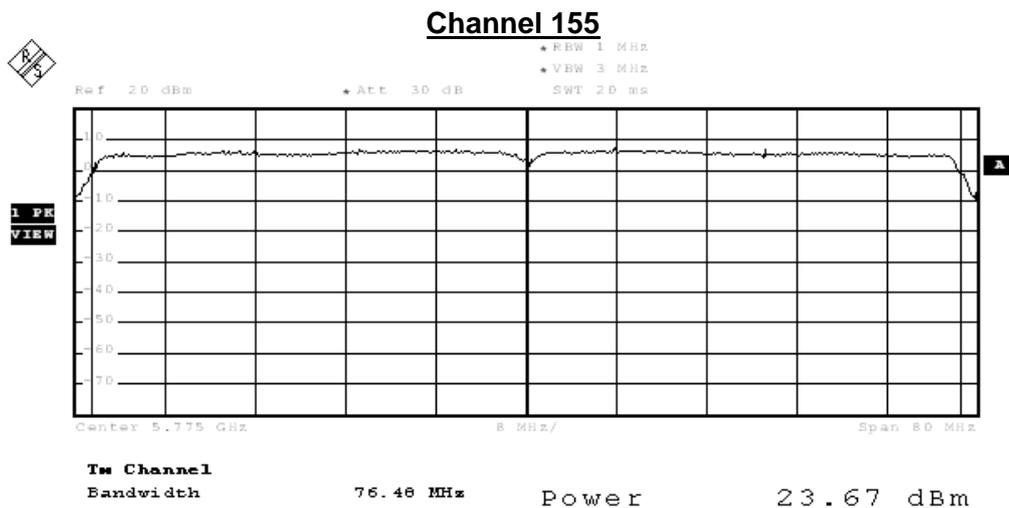
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11ac 80MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	23.67	1Watt= 30 dBm	Pass

The worst emission of data rate is 87.9 Mbps.

Peak Power Output (dBm)												
MCS Index	0	1	2	3	4	5	6	7	8	9	Required Limit	
Channel No	Frequency (MHz)	Data Rate										Required Limit
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170	
155	5775	23.67	23.59	23.53	23.45	23.41	23.38	23.32	23.29	23.25	23.21	30dBm



Comment: A:\2
Date: 25.APR.2012 16:32:52

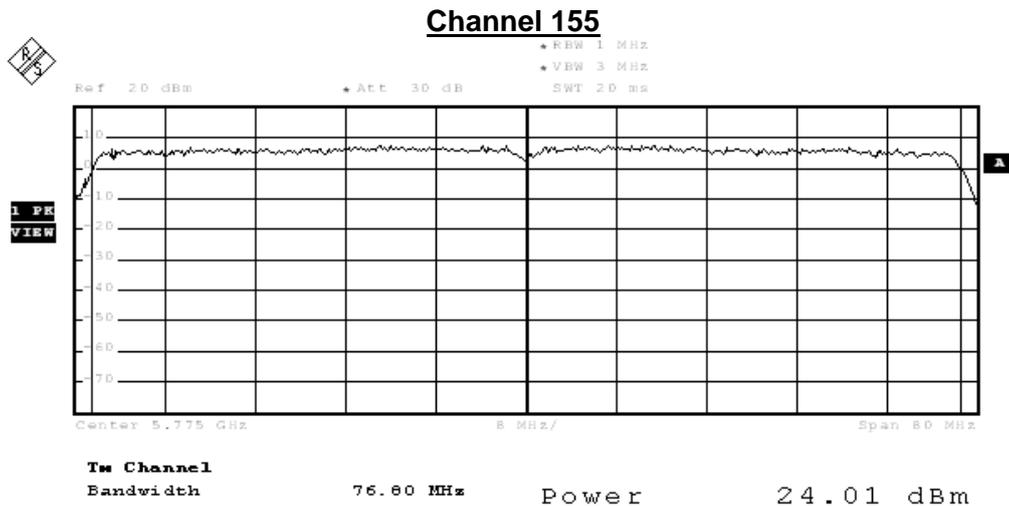
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11ac 80MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	24.01	1Watt= 30 dBm	Pass

The worst emission of data rate is 87.9 Mbps.

Peak Power Output (dBm)												
MCS Index	0	1	2	3	4	5	6	7	8	9	Required Limit	
Channel No	Frequency (MHz)	Data Rate										Required Limit
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170	
155	5775	24.01	23.95	23.91	23.84	23.82	23.77	23.72	23.71	23.65	23.61	30dBm



Comment: A:\2
Date: 25.APR.2012 16:35:27

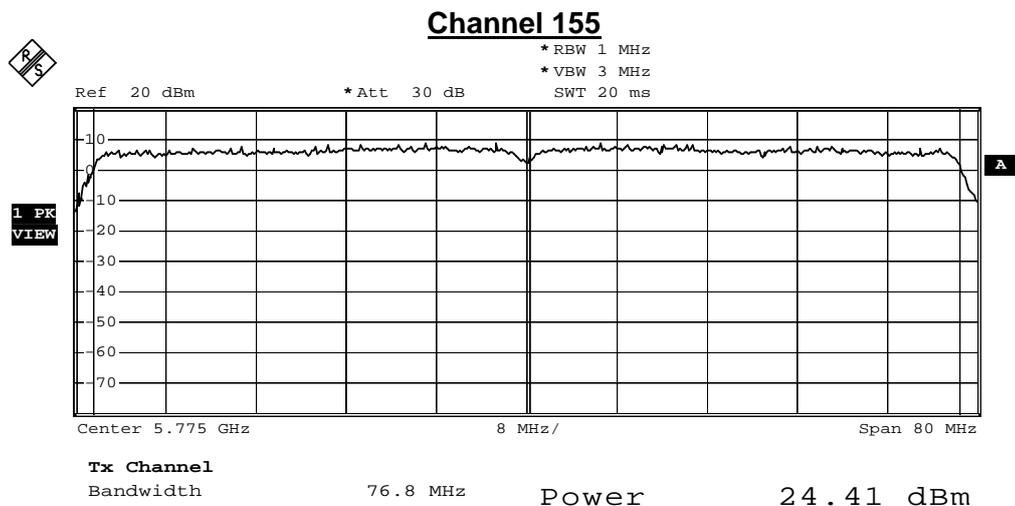
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11ac 80MHz (ANT2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	24.41	1Watt= 30 dBm	Pass

The worst emission of data rate is 87.9 Mbps.

Peak Power Output (dBm)												
MCS Index	0	1	2	3	4	5	6	7	8	9	Required Limit	
Channel No	Frequency (MHz)	Data Rate										Required Limit
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170	
155	5775	24.41	24.40	24.37	24.32	23.27	23.22	23.21	23.20	23.16	23.12	30dBm



Comment: A:\2
Date: 25.APR.2012 16:37:45

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11ac 80MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	28.81	1Watt= 30 dBm	Pass

The worst emission of data rate is 87.9 Mbps.

Peak Power Output (dBm)												
MCS Index		0	1	2	3	4	5	6	7	8	9	Required Limit
Channel No	Frequency (MHz)	Data Rate										
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170	
155	5775	28.81	28.76	28.72	28.66	28.28	28.23	28.19	28.18	28.13	28.09	30dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

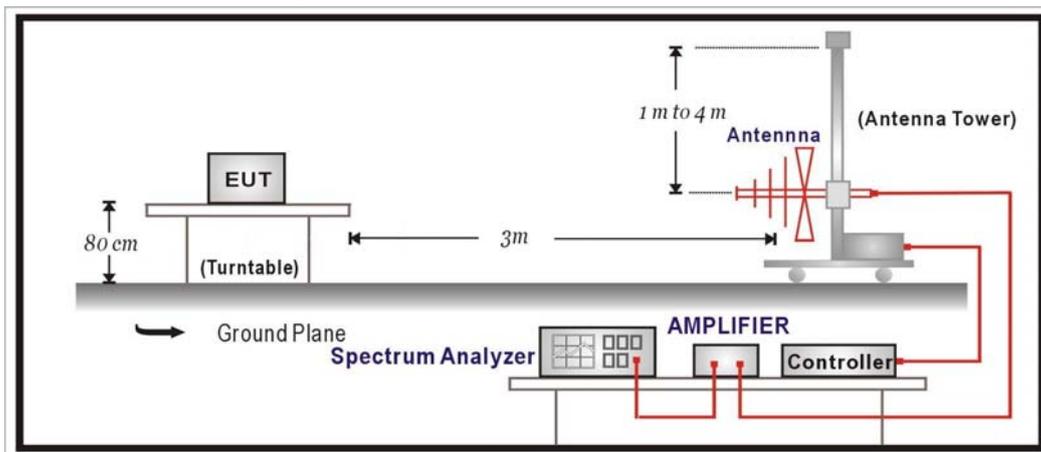
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2012/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2013/02/02
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2012/12/05
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2013/03/01
Spectrum Analyzer	Agilent	E4440A	MY46187335	2013/02/07
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2013/03/04

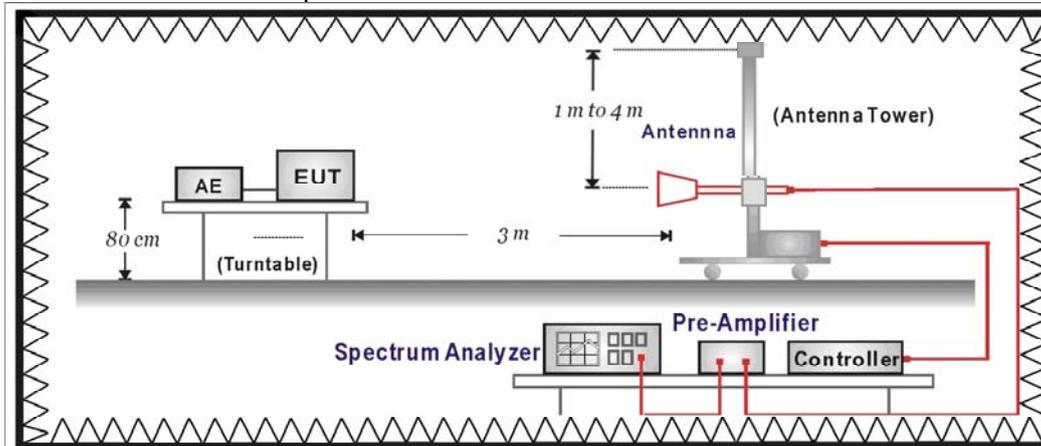
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

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 C63.4: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. 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 C63.4: 2009 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: 2011

4.6. Uncertainty

The measurement uncertainty

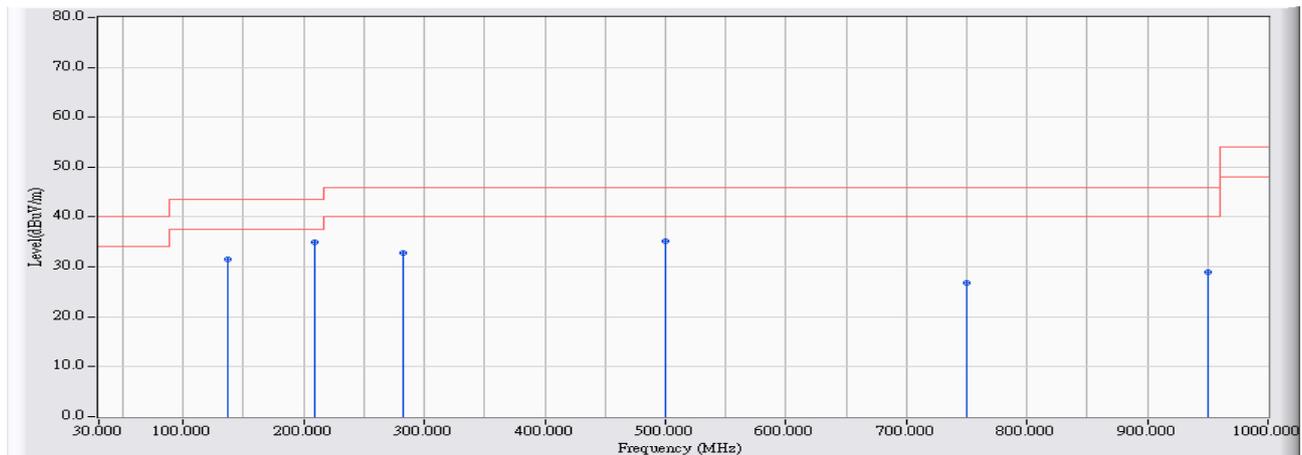
30MHz~1GHz as ±3.43dB

1GHz~26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	Time : 2012/05/06 - 09:30
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 2437MHz,802.11b

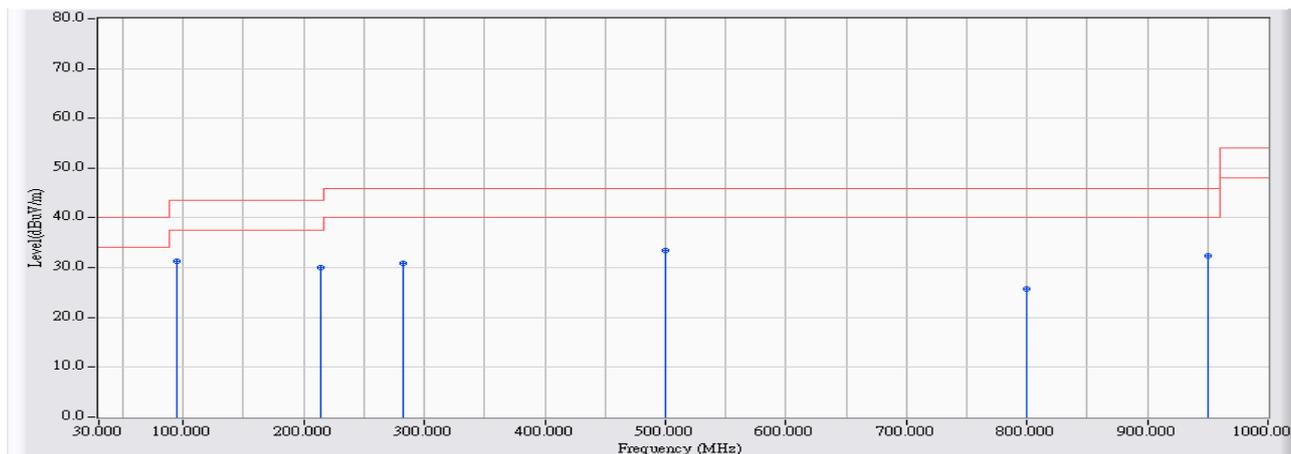


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	136.700	-12.755	44.347	31.592	-11.908	43.500	QUASPEAK
2	* 209.450	-14.026	48.888	34.863	-8.637	43.500	QUASPEAK
3	282.200	-10.556	43.300	32.745	-13.255	46.000	QUASPEAK
4	500.450	-5.372	40.515	35.144	-10.856	46.000	QUASPEAK
5	749.417	-3.297	30.180	26.884	-19.116	46.000	QUASPEAK
6	949.883	-1.448	30.336	28.887	-17.113	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 : CB1	Time : 2012/05/06 - 09:31
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 2437MHz,802.11b

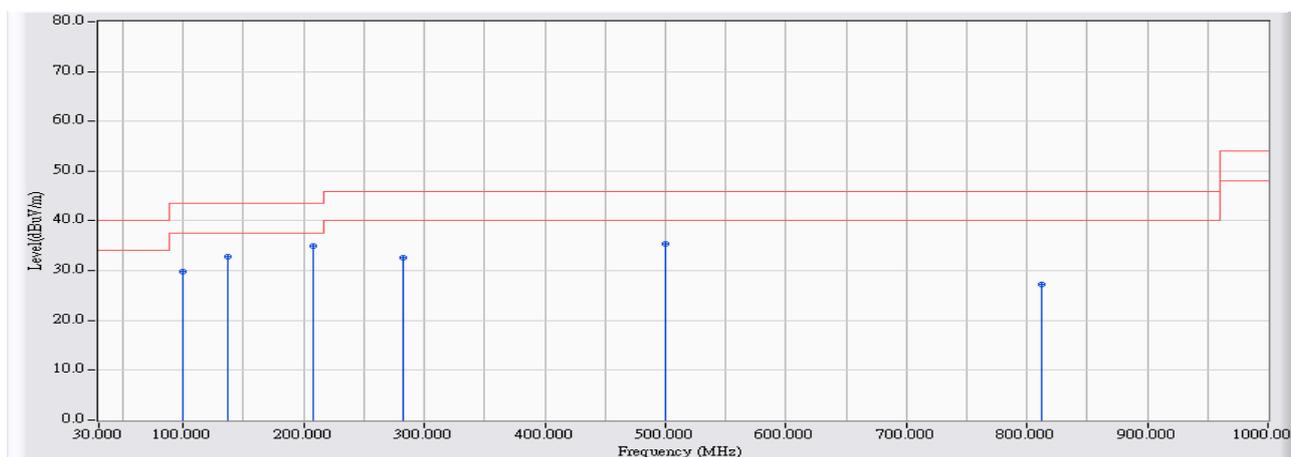


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	94.667	-14.668	45.977	31.309	-12.191	43.500	QUASPEAK
2		214.300	-13.672	43.795	30.124	-13.376	43.500	QUASPEAK
3		282.200	-10.556	41.518	30.963	-15.037	46.000	QUASPEAK
4		500.450	-5.372	38.856	33.485	-12.515	46.000	QUASPEAK
5		799.533	-2.655	28.428	25.773	-20.227	46.000	QUASPEAK
6		949.883	-1.448	33.868	32.419	-13.581	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 : CB1	Time : 2012/05/06 - 09:31
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 2437MHz,802.11g

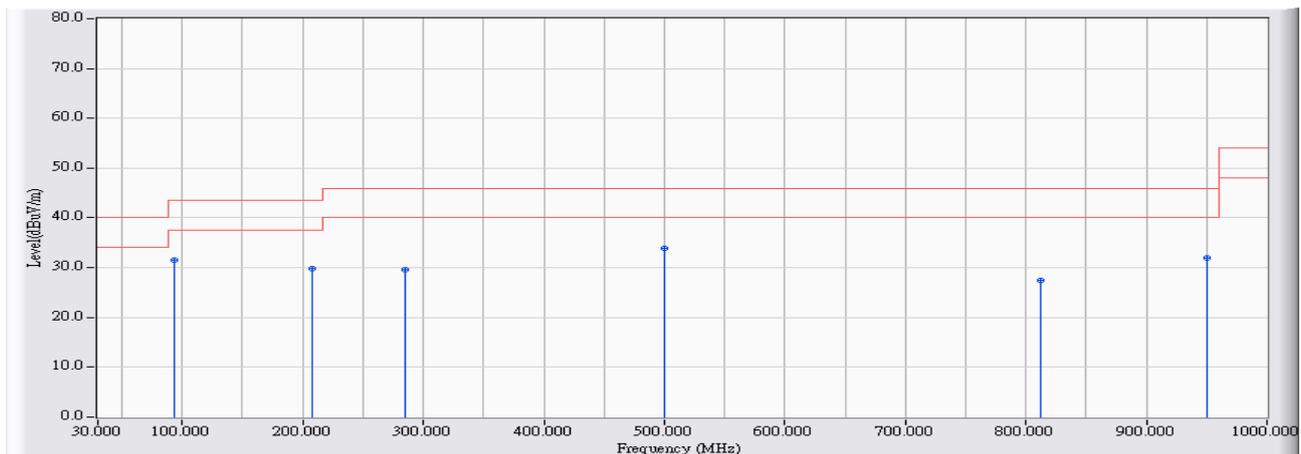


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	99.517	-13.627	43.335	29.708	-13.792	43.500	QUASPEAK
2	136.700	-12.755	45.471	32.716	-10.784	43.500	QUASPEAK
3	* 207.833	-14.143	49.196	35.053	-8.447	43.500	QUASPEAK
4	282.200	-10.556	43.140	32.585	-13.415	46.000	QUASPEAK
5	500.450	-5.372	40.762	35.391	-10.609	46.000	QUASPEAK
6	812.467	-2.568	29.828	27.260	-18.740	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 : CB1	Time : 2012/05/06 - 09:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 2437MHz,802.11g

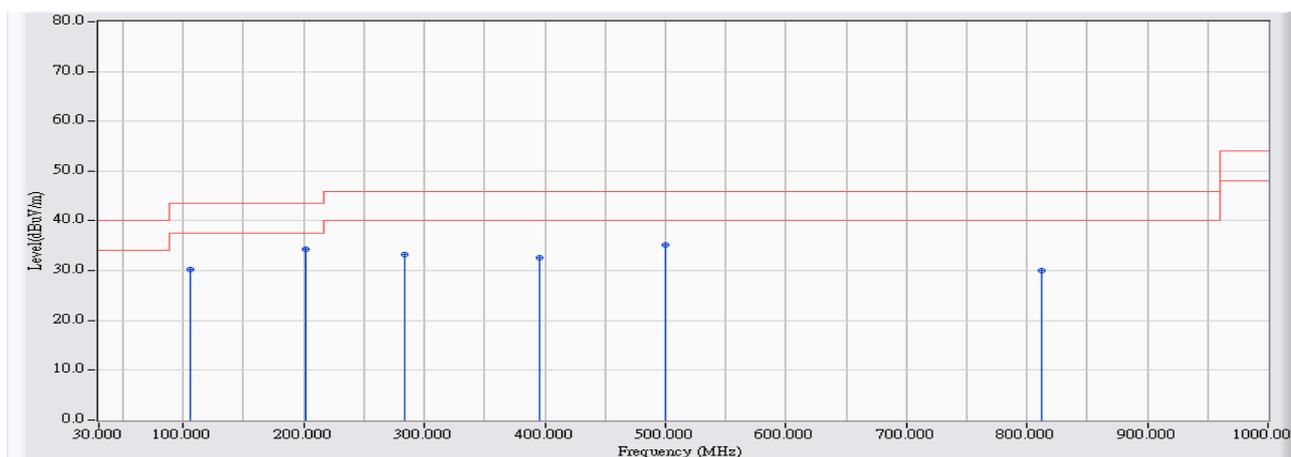


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	93.050	-15.015	46.587	31.572	-11.928	43.500	QUASPEAK
2		207.833	-14.143	44.008	29.865	-13.635	43.500	QUASPEAK
3		285.433	-10.504	40.145	29.641	-16.359	46.000	QUASPEAK
4		500.450	-5.372	39.294	33.923	-12.077	46.000	QUASPEAK
5		812.467	-2.568	30.120	27.552	-18.448	46.000	QUASPEAK
6		949.883	-1.448	33.410	31.961	-14.039	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 : CB1	Time : 2012/05/06 - 09:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 2437MHz,802.11n(20MHz)

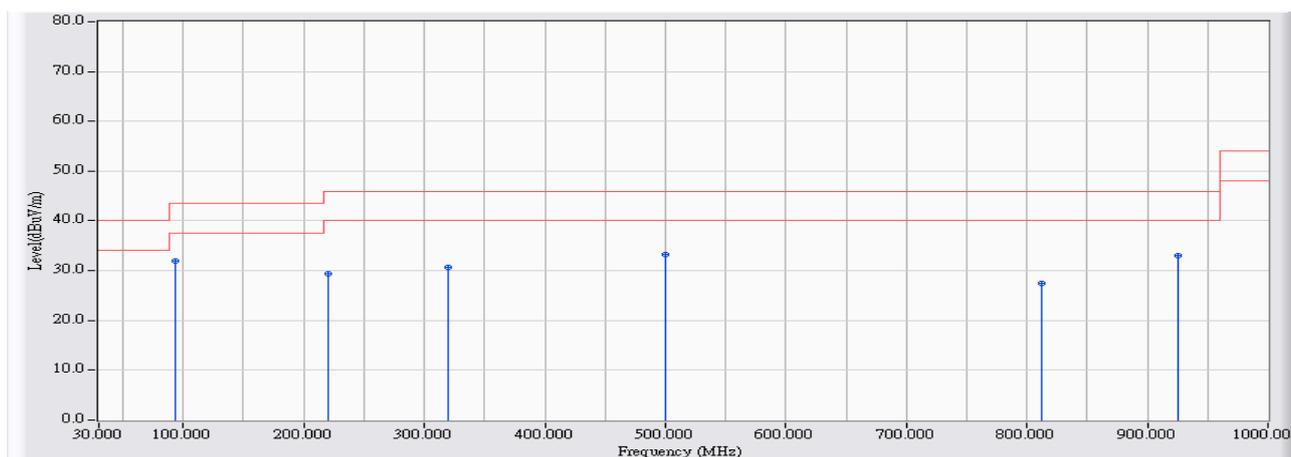


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	105.983	-13.004	43.326	30.322	-13.178	43.500	QUASPEAK
2	* 201.367	-14.616	48.888	34.273	-9.227	43.500	QUASPEAK
3	283.817	-10.530	43.853	33.323	-12.677	46.000	QUASPEAK
4	395.367	-7.504	40.074	32.570	-13.430	46.000	QUASPEAK
5	500.450	-5.372	40.523	35.152	-10.848	46.000	QUASPEAK
6	812.467	-2.568	32.665	30.097	-15.903	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 : CB1	Time : 2012/05/06 - 09:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 2437MHz,802.11n(20MHz)

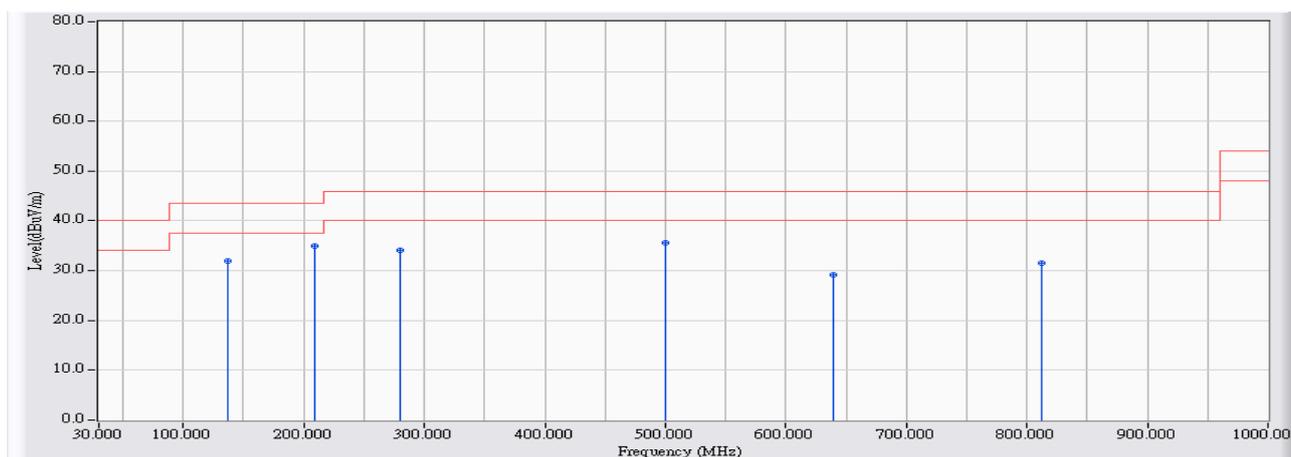


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	93.050	-15.015	47.074	32.059	-11.441	43.500	QUASPEAK
2		220.767	-13.199	42.600	29.401	-16.599	46.000	QUASPEAK
3		319.383	-9.707	40.279	30.572	-15.428	46.000	QUASPEAK
4		500.450	-5.372	38.610	33.239	-12.761	46.000	QUASPEAK
5		812.467	-2.568	30.042	27.474	-18.526	46.000	QUASPEAK
6		925.633	-1.722	34.652	32.931	-13.069	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 : CB1	Time : 2012/05/06 - 09:33
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 2437MHz,802.11n(40MHz)

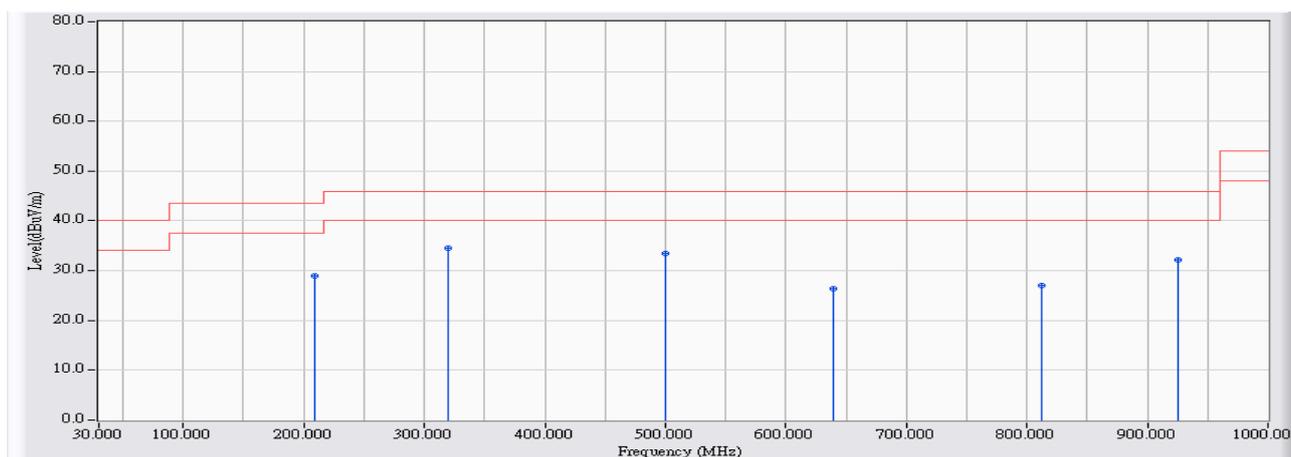


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	136.700	-12.755	44.700	31.945	-11.555	43.500	QUASPEAK
2	* 209.450	-14.026	49.019	34.994	-8.506	43.500	QUASPEAK
3	280.583	-10.580	44.789	34.208	-11.792	46.000	QUASPEAK
4	500.450	-5.372	40.993	35.622	-10.378	46.000	QUASPEAK
5	639.483	-4.135	33.291	29.156	-16.844	46.000	QUASPEAK
6	812.467	-2.568	34.182	31.614	-14.386	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 : CB1	Time : 2012/05/06 - 09:33
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 2437MHz,802.11n(40MHz)

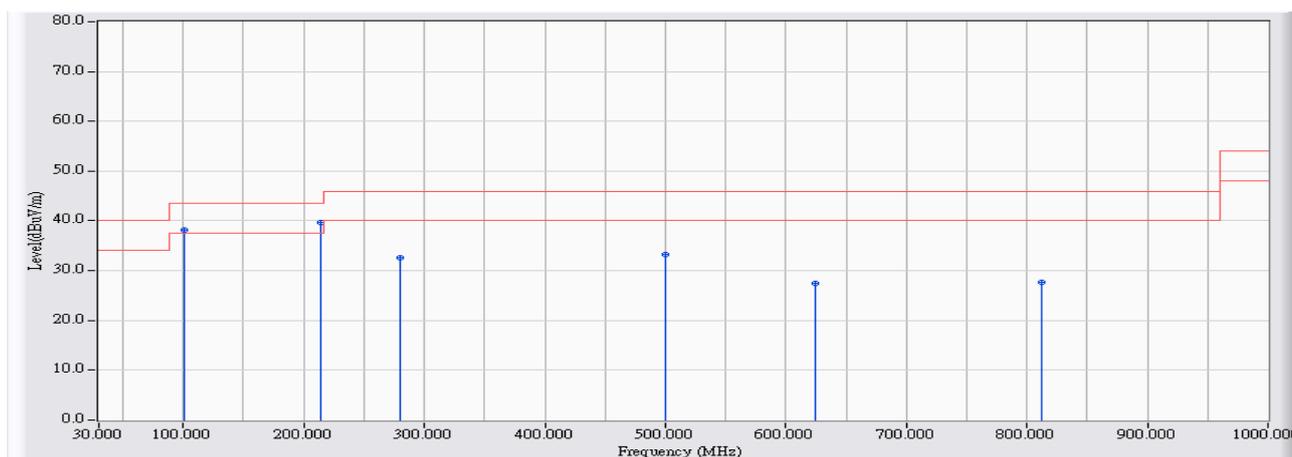


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	209.450	-14.026	42.925	28.900	-14.600	43.500	QUASPEAK
2	* 319.383	-9.707	44.342	34.635	-11.365	46.000	QUASPEAK
3	500.450	-5.372	38.829	33.458	-12.542	46.000	QUASPEAK
4	639.483	-4.135	30.530	26.395	-19.605	46.000	QUASPEAK
5	812.467	-2.568	29.650	27.082	-18.918	46.000	QUASPEAK
6	925.633	-1.722	33.965	32.244	-13.756	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 : CB1	Time : 2012/05/06 - 09:36
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 2437MHz,802.11b

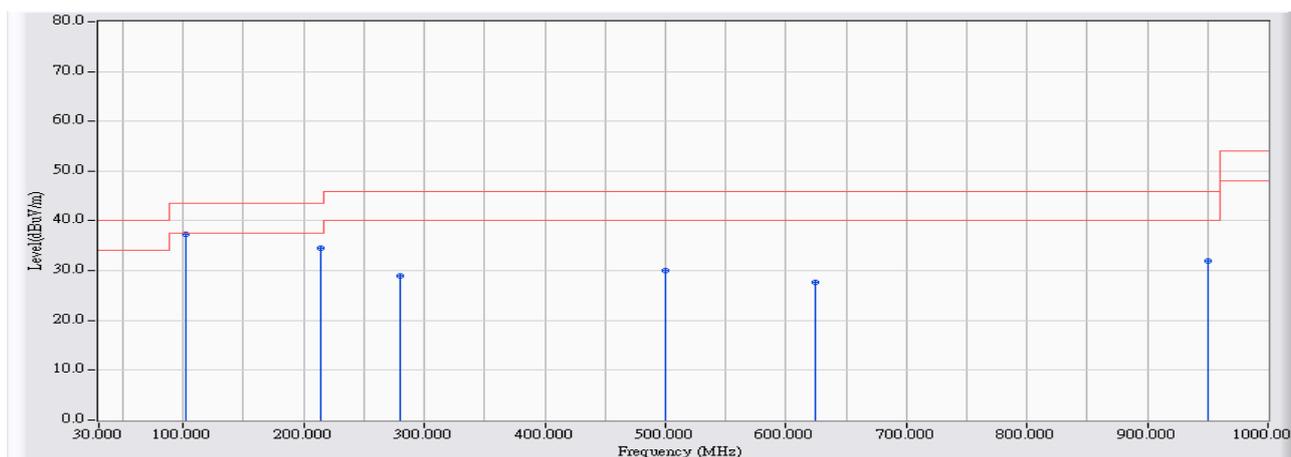


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.133	-13.425	51.703	38.278	-5.222	43.500	QUASPEAK
2	* 214.300	-13.672	53.415	39.744	-3.756	43.500	QUASPEAK
3	280.583	-10.580	43.184	32.603	-13.397	46.000	QUASPEAK
4	500.450	-5.372	38.515	33.144	-12.856	46.000	QUASPEAK
5	624.933	-4.207	31.710	27.503	-18.497	46.000	QUASPEAK
6	812.467	-2.568	30.304	27.736	-18.264	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 : CB1	Time : 2012/05/06 - 09:36
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 2437MHz,802.11b

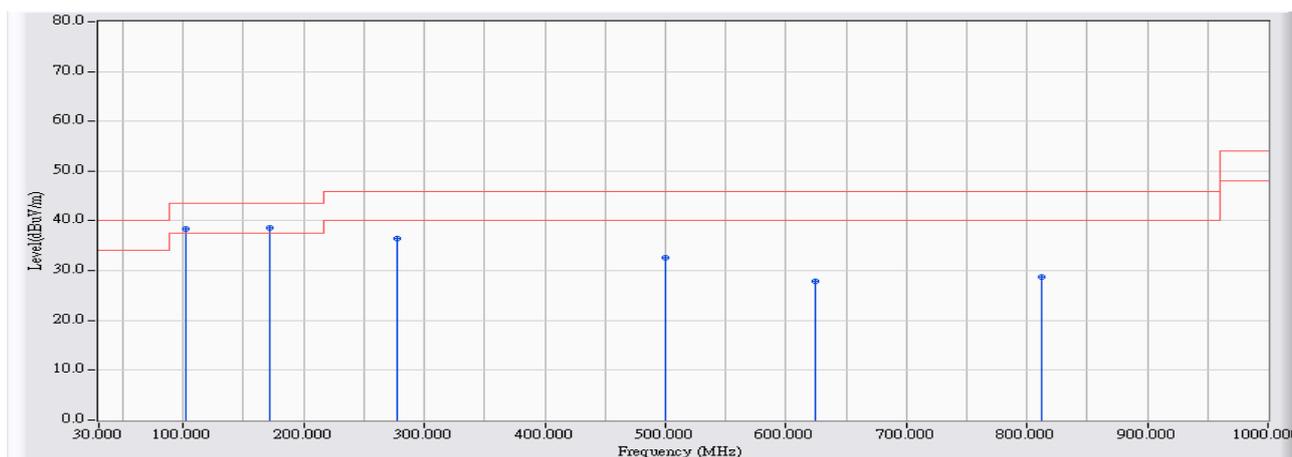


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	102.750	-13.285	50.573	37.288	-6.212	43.500	QUASPEAK
2		214.300	-13.672	48.251	34.580	-8.920	43.500	QUASPEAK
3		280.583	-10.580	39.542	28.961	-17.039	46.000	QUASPEAK
4		500.450	-5.372	35.474	30.103	-15.897	46.000	QUASPEAK
5		624.933	-4.207	31.902	27.695	-18.305	46.000	QUASPEAK
6		949.883	-1.448	33.430	31.981	-14.019	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 : CB1	Time : 2012/05/06 - 09:37
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 2437MHz,802.11g

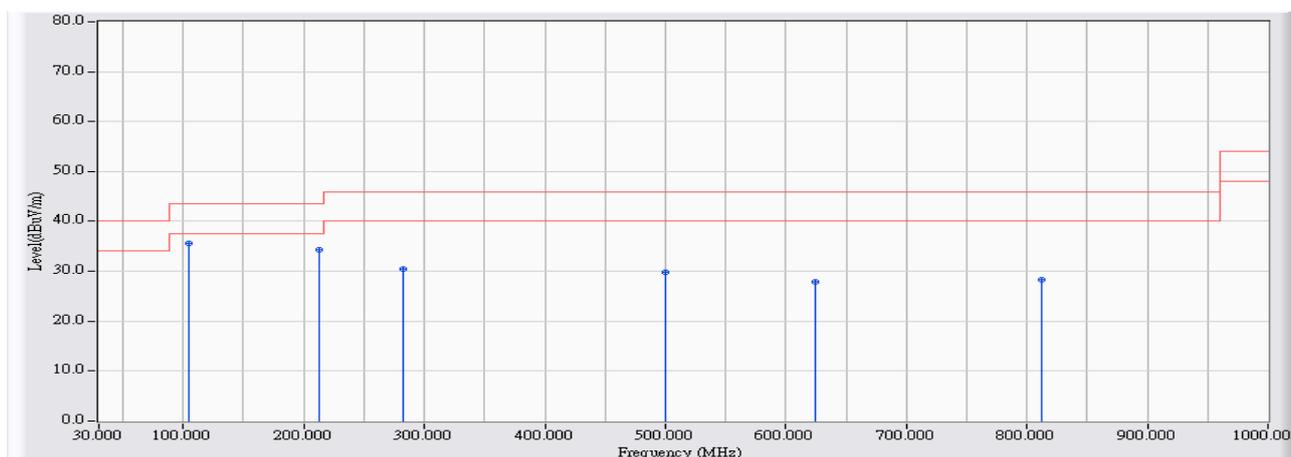


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	102.750	-13.285	51.660	38.375	-5.125	43.500	QUASPEAK
2	* 172.267	-14.414	53.010	38.597	-4.903	43.500	QUASPEAK
3	277.350	-10.633	47.170	36.538	-9.462	46.000	QUASPEAK
4	500.450	-5.372	37.961	32.590	-13.410	46.000	QUASPEAK
5	624.933	-4.207	32.058	27.851	-18.149	46.000	QUASPEAK
6	812.467	-2.568	31.325	28.757	-17.243	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 : CB1	Time : 2012/05/06 - 09:37
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 2437MHz,802.11g

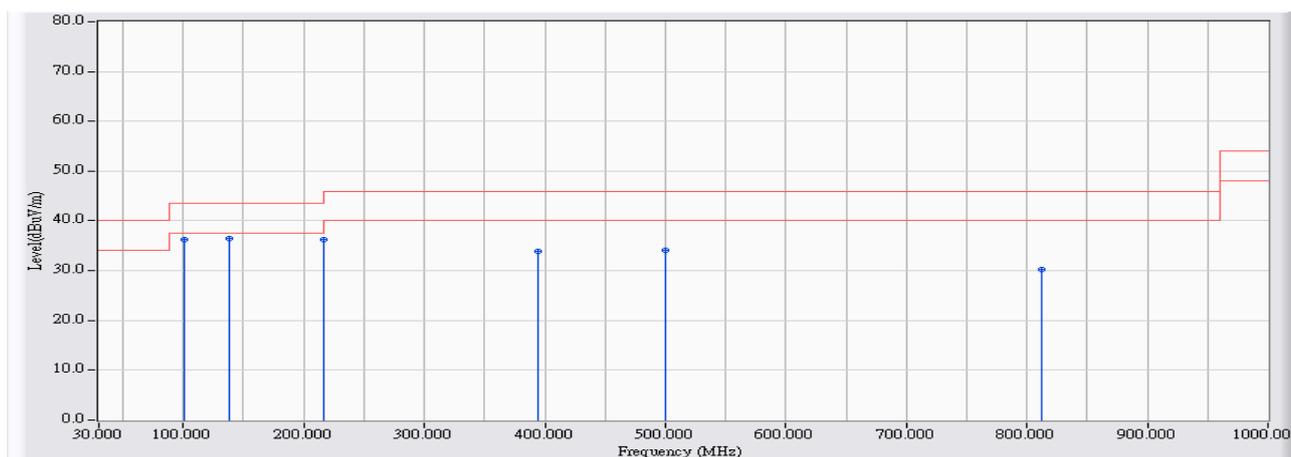


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	104.367	-13.145	48.645	35.500	-8.000	43.500	QUASPEAK
2		212.683	-13.789	48.152	34.363	-9.137	43.500	QUASPEAK
3		282.200	-10.556	40.994	30.439	-15.561	46.000	QUASPEAK
4		500.450	-5.372	35.216	29.845	-16.155	46.000	QUASPEAK
5		624.933	-4.207	32.180	27.973	-18.027	46.000	QUASPEAK
6		812.467	-2.568	30.851	28.283	-17.717	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 : CB1	Time : 2012/05/06 - 09:37
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 2437MHz,802.11n(20MHz)

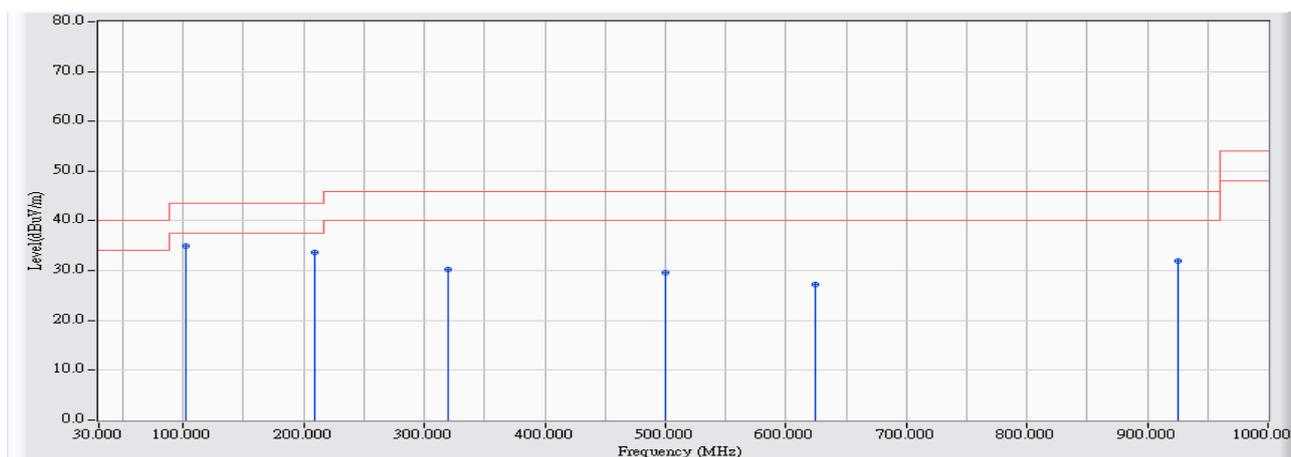


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.133	-13.425	49.572	36.147	-7.353	43.500	QUASPEAK
2	* 138.317	-12.849	49.370	36.522	-6.978	43.500	QUASPEAK
3	215.917	-13.554	49.870	36.317	-7.183	43.500	QUASPEAK
4	393.750	-7.551	41.379	33.828	-12.172	46.000	QUASPEAK
5	500.450	-5.372	39.451	34.080	-11.920	46.000	QUASPEAK
6	812.467	-2.568	32.885	30.317	-15.683	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 : CB1	Time : 2012/05/06 - 09:38
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 2437MHz,802.11n(20MHz)

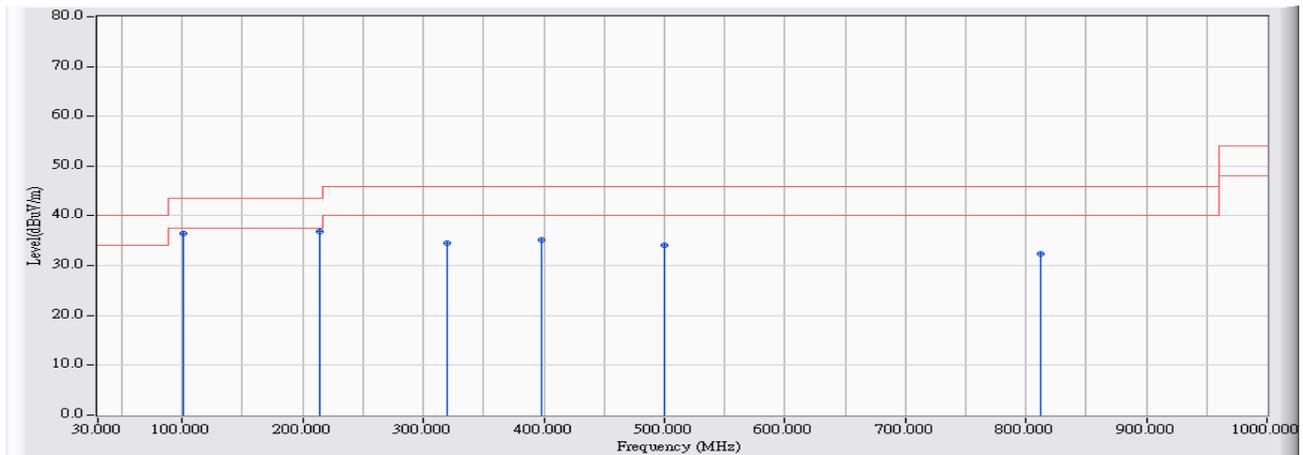


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	102.750	-13.285	48.247	34.962	-8.538	43.500	QUASPEAK
2		209.450	-14.026	47.744	33.719	-9.781	43.500	QUASPEAK
3		319.383	-9.707	39.853	30.146	-15.854	46.000	QUASPEAK
4		500.450	-5.372	34.993	29.622	-16.378	46.000	QUASPEAK
5		624.933	-4.207	31.351	27.144	-18.856	46.000	QUASPEAK
6		925.633	-1.722	33.627	31.906	-14.094	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 : CB1	Time : 2012/05/06 - 09:38
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 2437MHz,802.11n(40MHz)

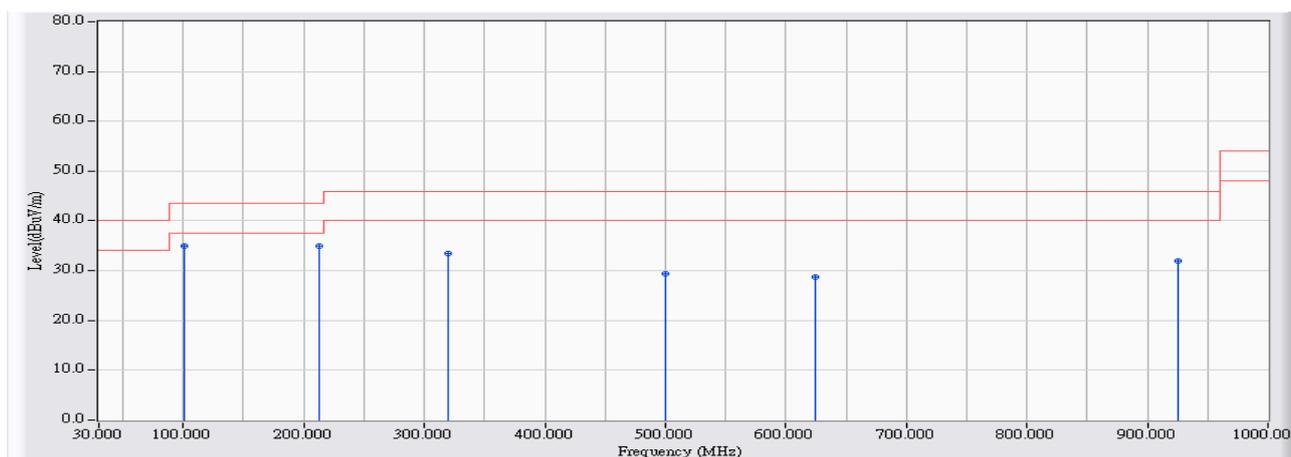


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.133	-13.425	49.862	36.437	-7.063	43.500	QUASPEAK
2	* 214.300	-13.672	50.528	36.857	-6.643	43.500	QUASPEAK
3	319.383	-9.707	44.321	34.614	-11.386	46.000	QUASPEAK
4	398.600	-7.411	42.519	35.109	-10.891	46.000	QUASPEAK
5	500.450	-5.372	39.454	34.083	-11.917	46.000	QUASPEAK
6	812.467	-2.568	34.973	32.405	-13.595	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 : CB1	Time : 2012/05/06 - 09:39
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 2437MHz,802.11n(40MHz)

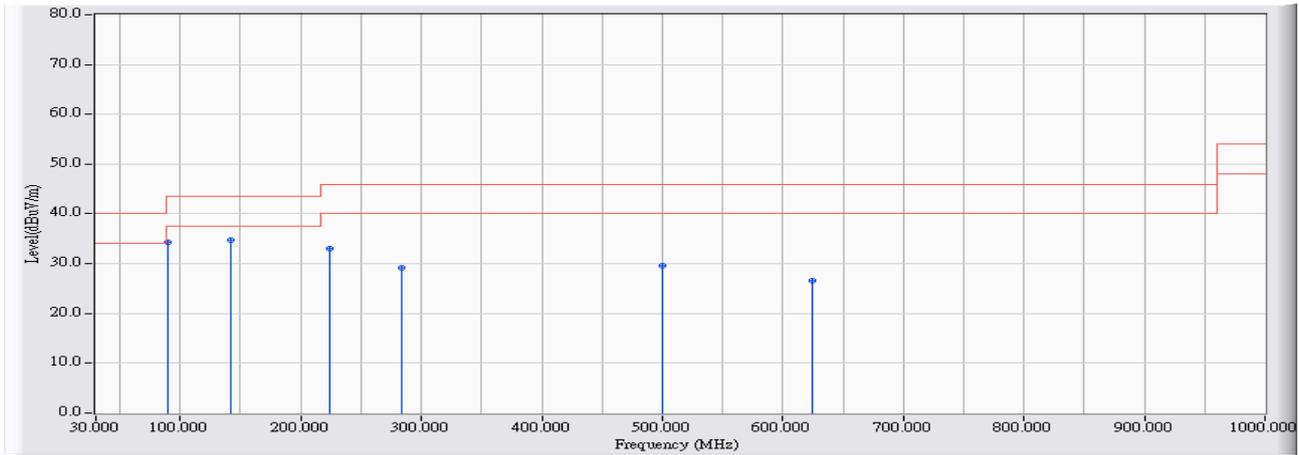


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	101.133	-13.425	48.475	35.050	-8.450	43.500	QUASPEAK
2		212.683	-13.789	48.652	34.863	-8.637	43.500	QUASPEAK
3		319.383	-9.707	43.206	33.499	-12.501	46.000	QUASPEAK
4		500.450	-5.372	34.843	29.472	-16.528	46.000	QUASPEAK
5		624.933	-4.207	32.909	28.702	-17.298	46.000	QUASPEAK
6		925.633	-1.722	33.666	31.945	-14.055	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 : CB1	Time : 2012/04/23 - 15:40
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5785MHz,802.11a

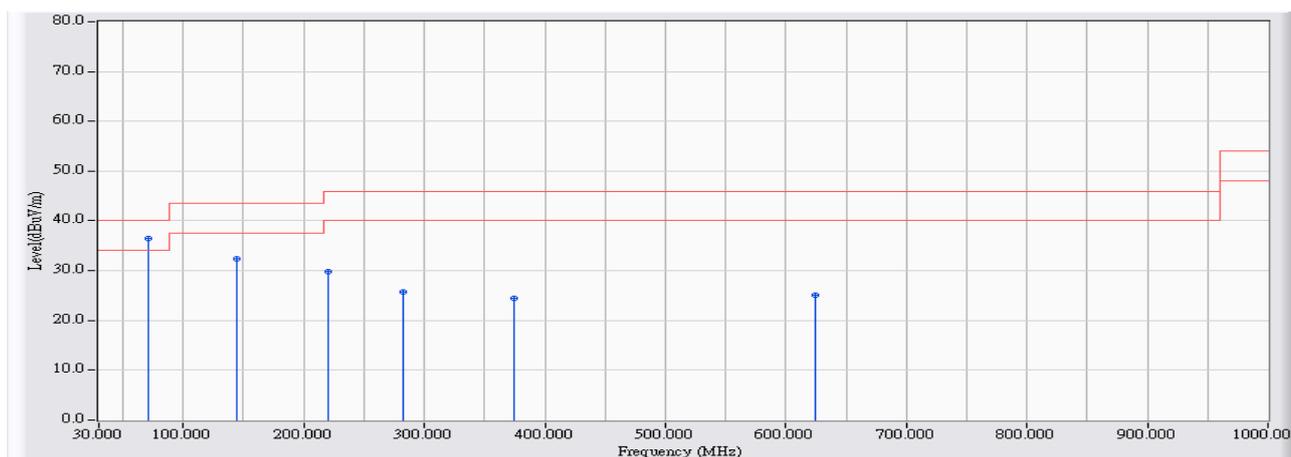


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	89.817	-15.688	49.945	34.257	-9.243	43.500	QUASPEAK
2	* 141.550	-13.023	47.818	34.794	-8.706	43.500	QUASPEAK
3	224.000	-12.963	45.914	32.950	-13.050	46.000	QUASPEAK
4	283.817	-10.530	39.599	29.069	-16.931	46.000	QUASPEAK
5	500.450	-5.372	35.064	29.693	-16.307	46.000	QUASPEAK
6	624.933	-4.207	30.894	26.687	-19.313	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 : CB1	Time : 2012/04/23 - 15:44
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5785MHz,802.11a

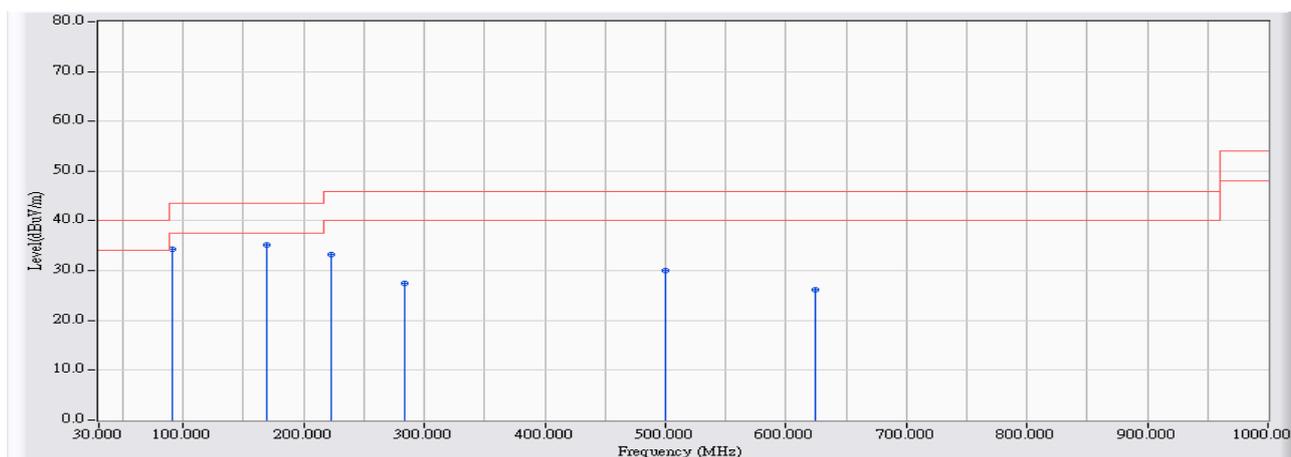


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	70.417	-17.720	54.201	36.481	-3.519	40.000	QUASPEAK
2		144.783	-13.186	45.672	32.486	-11.014	43.500	QUASPEAK
3		220.767	-13.199	43.088	29.889	-16.111	46.000	QUASPEAK
4		282.200	-10.556	36.381	25.826	-20.174	46.000	QUASPEAK
5		374.350	-8.111	32.470	24.359	-21.641	46.000	QUASPEAK
6		624.933	-4.207	29.376	25.169	-20.831	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 : CB1	Time : 2012/04/23 - 15:50
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5785MHz,802.11n(20MHz)

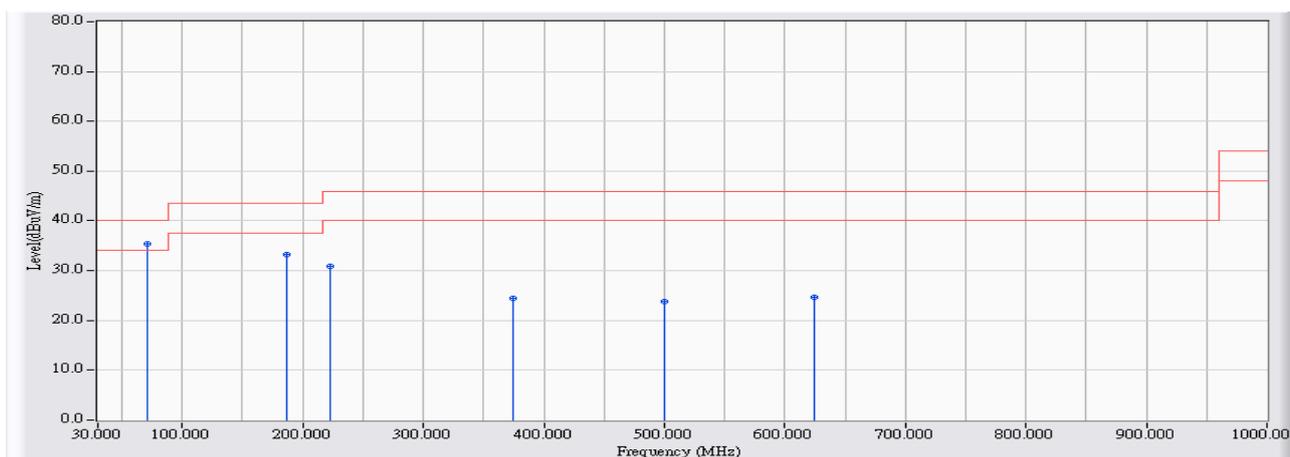


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	91.433	-15.363	49.780	34.417	-9.083	43.500	QUASPEAK
2	* 169.033	-14.286	49.452	35.165	-8.335	43.500	QUASPEAK
3	222.383	-13.082	46.352	33.270	-12.730	46.000	QUASPEAK
4	283.817	-10.530	38.056	27.526	-18.474	46.000	QUASPEAK
5	500.450	-5.372	35.464	30.093	-15.907	46.000	QUASPEAK
6	624.933	-4.207	30.284	26.077	-19.923	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 : CB1	Time : 2012/04/23 - 15:54
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5785MHz,802.11n(20MHz)

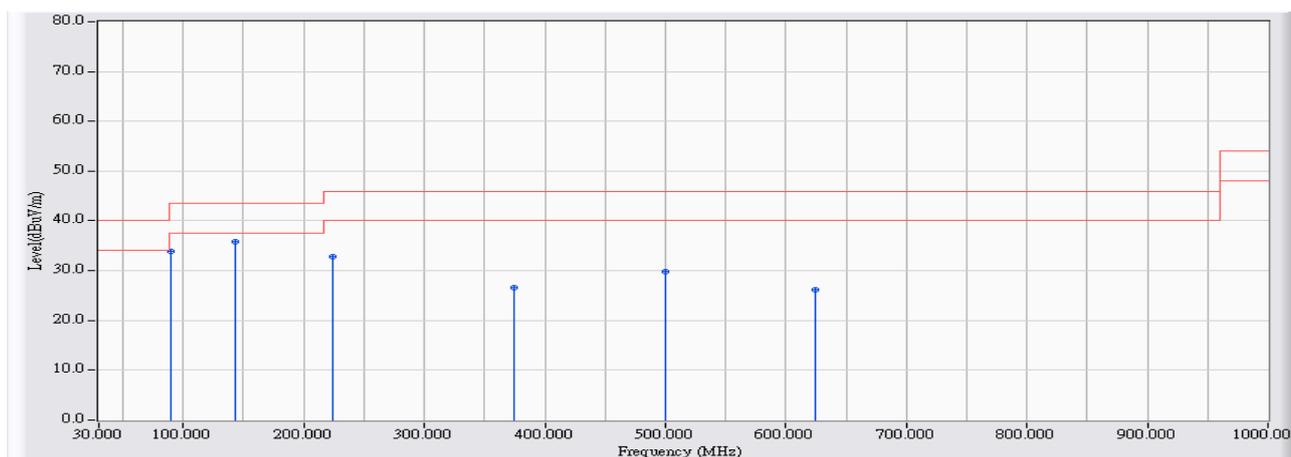


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	70.417	-17.720	53.003	35.283	-4.717	40.000	QUASPEAK
2		186.817	-14.714	47.892	33.177	-10.323	43.500	QUASPEAK
3		222.383	-13.082	44.001	30.919	-15.081	46.000	QUASPEAK
4		374.350	-8.111	32.622	24.511	-21.489	46.000	QUASPEAK
5		500.450	-5.372	29.132	23.761	-22.239	46.000	QUASPEAK
6		624.933	-4.207	28.899	24.692	-21.308	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 : CB1	Time : 2012/04/23 - 16:00
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5755MHz,802.11n(40MHz)

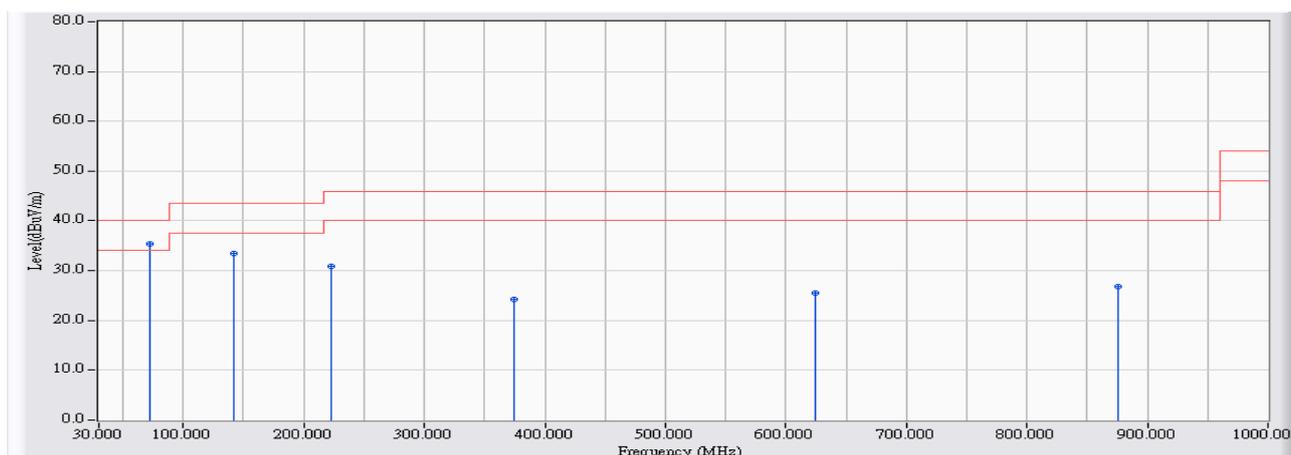


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	89.817	-15.688	49.665	33.977	-9.523	43.500	QUASPEAK
2	* 143.167	-13.105	48.838	35.733	-7.767	43.500	QUASPEAK
3	224.000	-12.963	45.832	32.868	-13.132	46.000	QUASPEAK
4	374.350	-8.111	34.653	26.542	-19.458	46.000	QUASPEAK
5	500.450	-5.372	35.163	29.792	-16.208	46.000	QUASPEAK
6	624.933	-4.207	30.403	26.196	-19.804	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 : CB1	Time : 2012/04/23 - 16:04
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5755MHz,802.11n(40MHz)

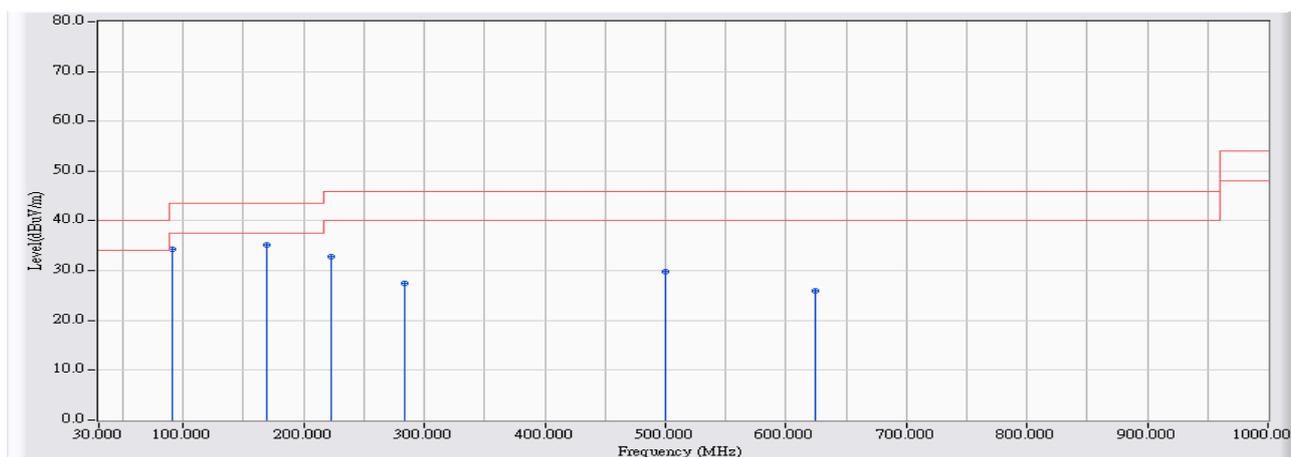


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	72.033	-17.610	52.993	35.384	-4.616	40.000	QUASPEAK
2		141.550	-13.023	46.472	33.448	-10.052	43.500	QUASPEAK
3		222.383	-13.082	43.910	30.828	-15.172	46.000	QUASPEAK
4		374.350	-8.111	32.403	24.292	-21.708	46.000	QUASPEAK
5		624.933	-4.207	29.763	25.556	-20.444	46.000	QUASPEAK
6		875.517	-2.164	28.895	26.731	-19.269	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 : CB1	Time : 2012/05/17 - 21:39
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5785MHz,802.11ac(20MHz)

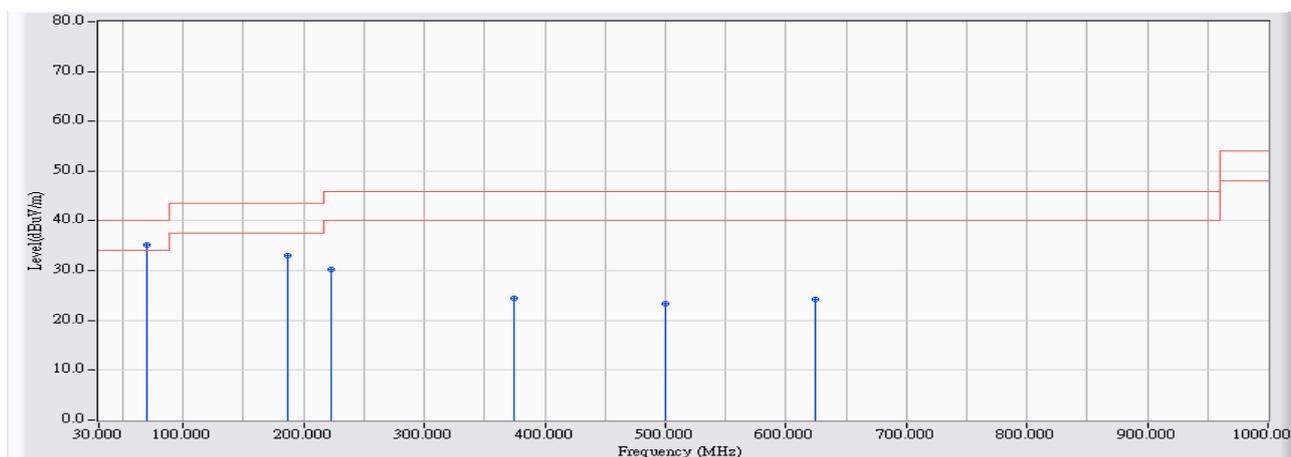


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	91.436	-15.363	49.635	34.272	-9.228	43.500	QUASPEAK
2	* 169.024	-14.286	49.373	35.087	-8.413	43.500	QUASPEAK
3	222.387	-13.082	45.863	32.781	-13.219	46.000	QUASPEAK
4	283.810	-10.530	38.056	27.526	-18.474	46.000	QUASPEAK
5	500.442	-5.372	35.175	29.803	-16.197	46.000	QUASPEAK
6	624.927	-4.207	30.222	26.015	-19.985	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 : CB1	Time : 2012/05/17 - 21:39
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5785MHz,802.11ac(20MHz)

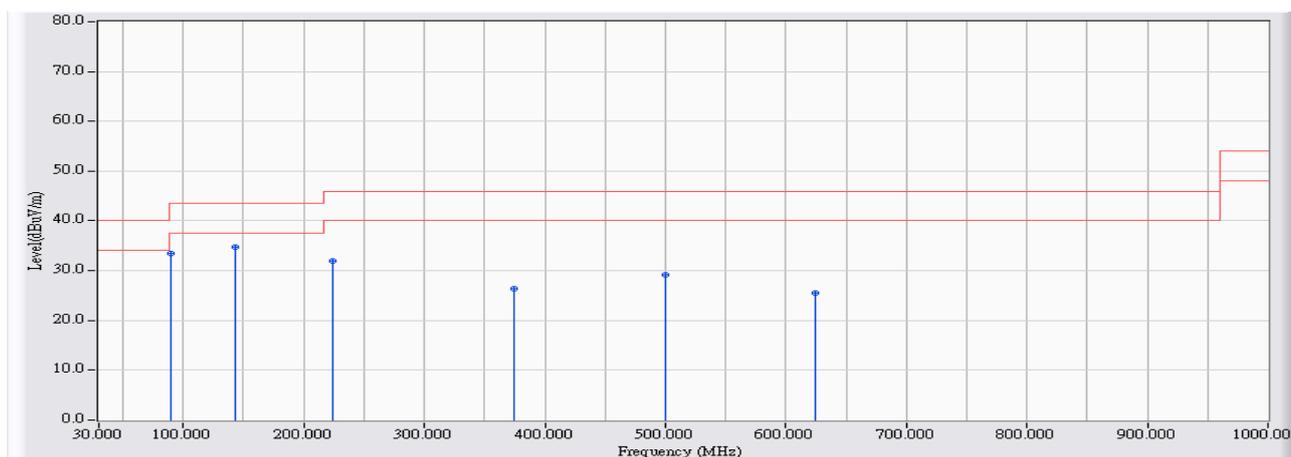


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	70.410	-17.720	52.976	35.256	-4.744	40.000	QUASPEAK
2		186.812	-14.714	47.717	33.003	-10.497	43.500	QUASPEAK
3		222.386	-13.082	43.382	30.300	-15.700	46.000	QUASPEAK
4		374.344	-8.111	32.488	24.377	-21.623	46.000	QUASPEAK
5		500.452	-5.372	28.668	23.296	-22.704	46.000	QUASPEAK
6		624.934	-4.207	28.473	24.266	-21.734	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 : CB1	Time : 2012/05/17 - 21:39
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5755MHz,802.11ac(40MHz)

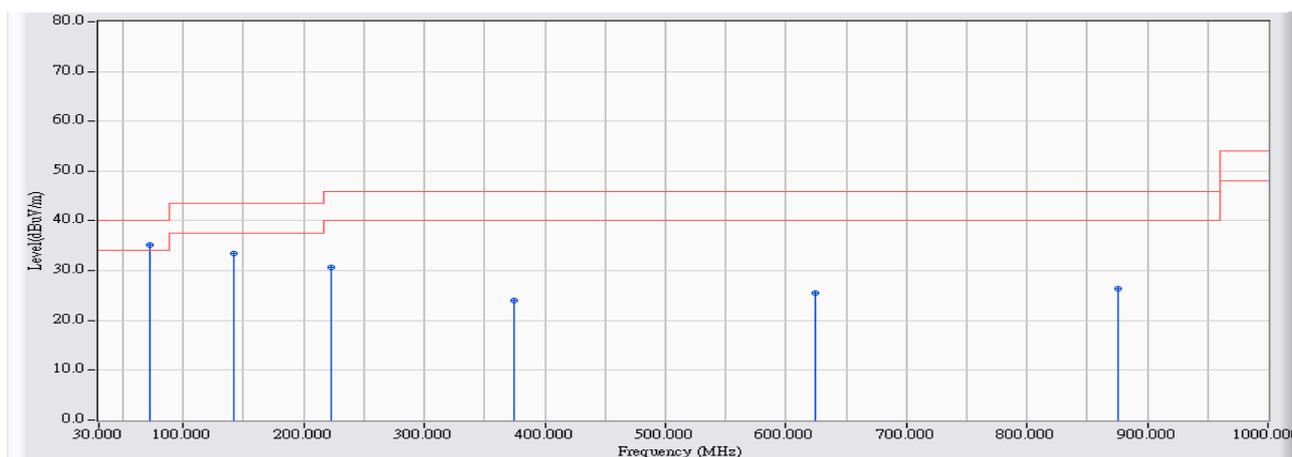


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	89.819	-15.688	49.206	33.518	-9.982	43.500	QUASPEAK
2	* 143.159	-13.105	47.868	34.763	-8.737	43.500	QUASPEAK
3	224.000	-12.963	44.912	31.949	-14.051	46.000	QUASPEAK
4	374.351	-8.111	34.438	26.327	-19.673	46.000	QUASPEAK
5	500.442	-5.372	34.468	29.096	-16.904	46.000	QUASPEAK
6	624.937	-4.207	29.747	25.540	-20.460	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 : CB1	Time : 2012/05/17 - 21:40
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5755MHz,802.11ac(40MHz)

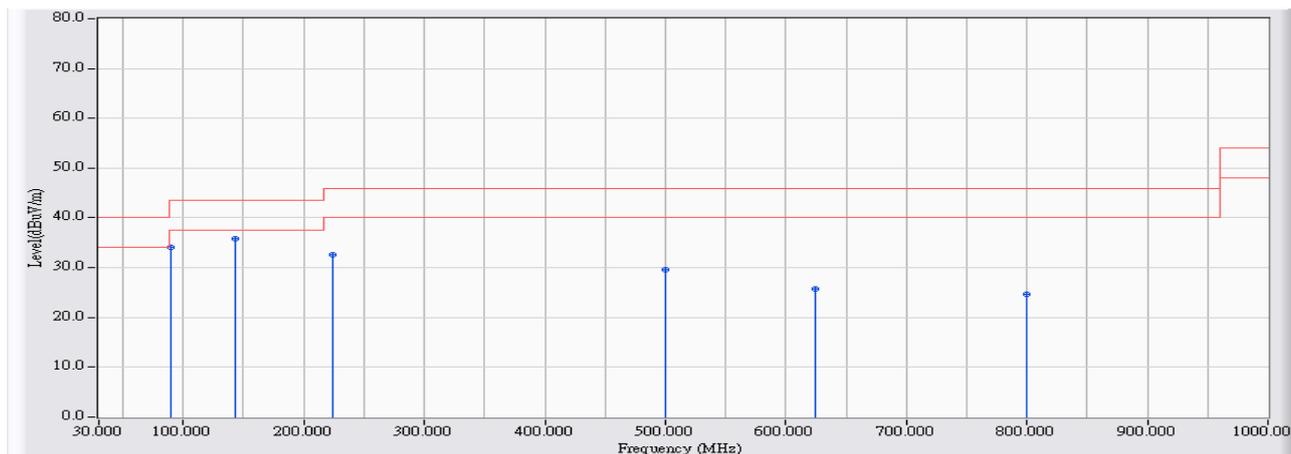


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	72.037	-17.610	52.830	35.220	-4.780	40.000	QUASPEAK
2		141.554	-13.023	46.374	33.351	-10.149	43.500	QUASPEAK
3		222.375	-13.082	43.727	30.645	-15.355	46.000	QUASPEAK
4		374.354	-8.111	32.111	24.000	-22.000	46.000	QUASPEAK
5		624.925	-4.207	29.754	25.547	-20.453	46.000	QUASPEAK
6		875.510	-2.164	28.504	26.340	-19.660	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 : CB1	Time : 2012/04/23 - 16:10
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5775MHz,802.11ac(80MHz)

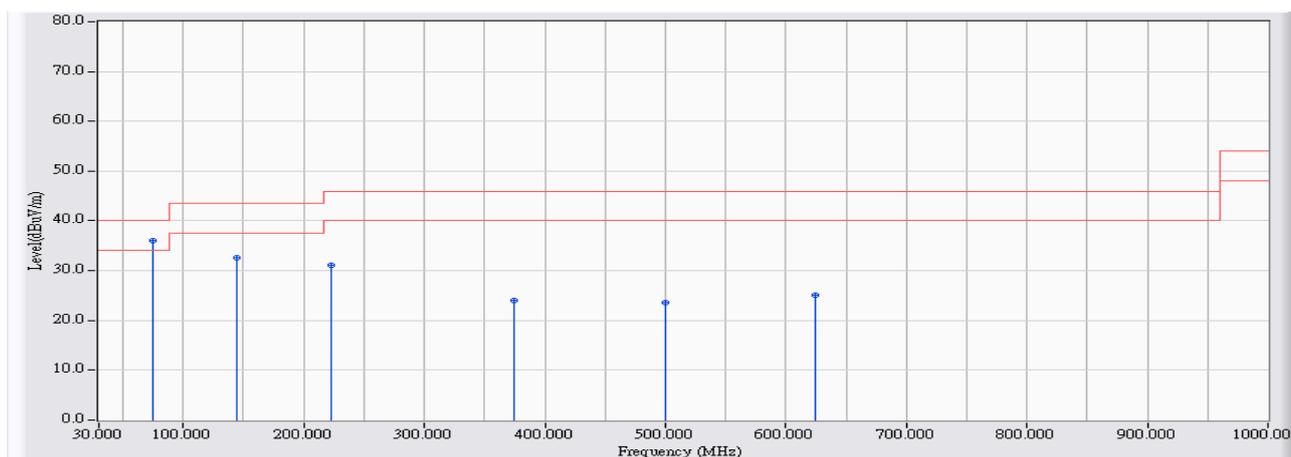


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	89.817	-15.688	49.896	34.208	-9.292	43.500	QUASPEAK
2	* 143.167	-13.105	49.021	35.916	-7.584	43.500	QUASPEAK
3	224.000	-12.963	45.545	32.581	-13.419	46.000	QUASPEAK
4	500.450	-5.372	34.992	29.621	-16.379	46.000	QUASPEAK
5	624.933	-4.207	29.852	25.645	-20.355	46.000	QUASPEAK
6	799.533	-2.655	27.295	24.640	-21.360	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 : CB1	Time : 2012/04/23 - 16:14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 1: Transmit (Adapter: EXA1004UH) 5775MHz,802.11ac(80MHz)

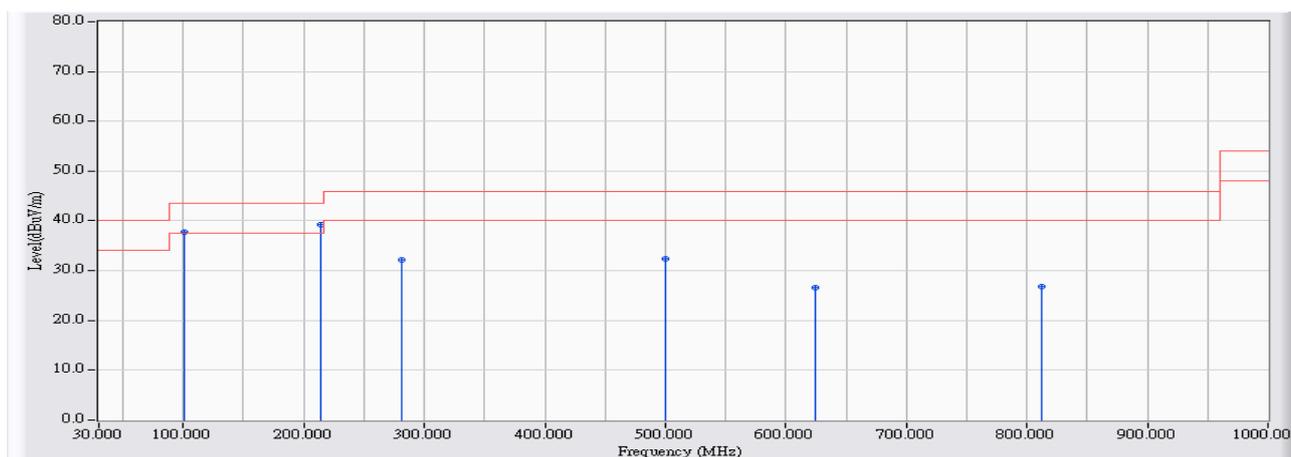


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	75.267	-17.377	53.419	36.042	-3.958	40.000	QUASPEAK
2		144.783	-13.186	45.864	32.678	-10.822	43.500	QUASPEAK
3		222.383	-13.082	44.211	31.129	-14.871	46.000	QUASPEAK
4		374.350	-8.111	32.029	23.918	-22.082	46.000	QUASPEAK
5		500.450	-5.372	28.873	23.502	-22.498	46.000	QUASPEAK
6		624.933	-4.207	29.219	25.012	-20.988	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 : CB1	Time : 2012/05/08 - 09:51
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5785MHz,802.11a

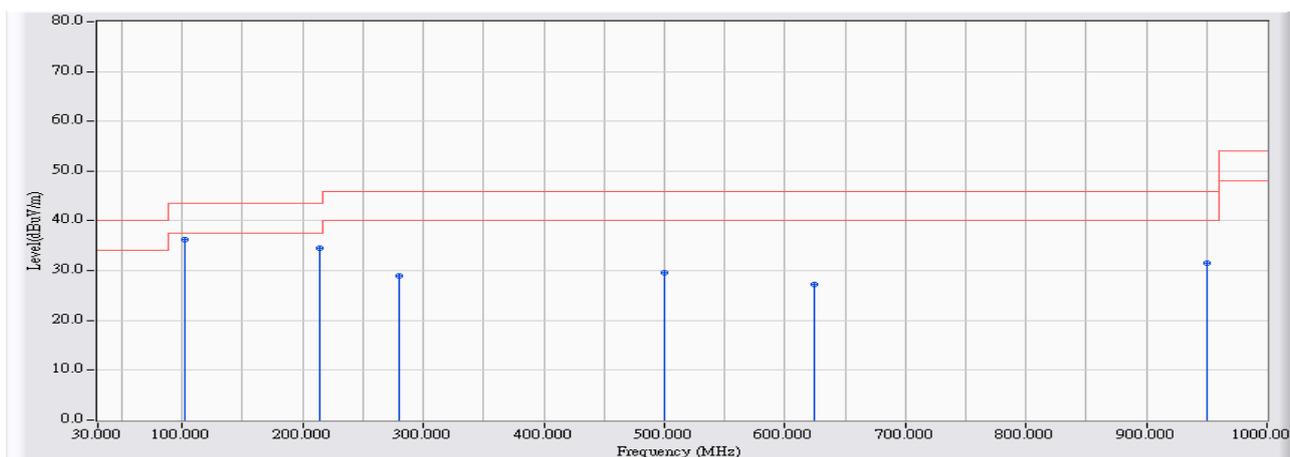


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.138	-13.425	51.258	37.833	-5.667	43.500	QUASPEAK
2	* 214.291	-13.672	52.816	39.144	-4.356	43.500	QUASPEAK
3	280.587	-10.580	42.737	32.157	-13.843	46.000	QUASPEAK
4	500.452	-5.372	37.652	32.280	-13.720	46.000	QUASPEAK
5	624.924	-4.207	30.877	26.670	-19.330	46.000	QUASPEAK
6	812.462	-2.568	29.419	26.851	-19.149	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 : CB1	Time : 2012/05/08 - 09:51
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5785MHz,802.11a

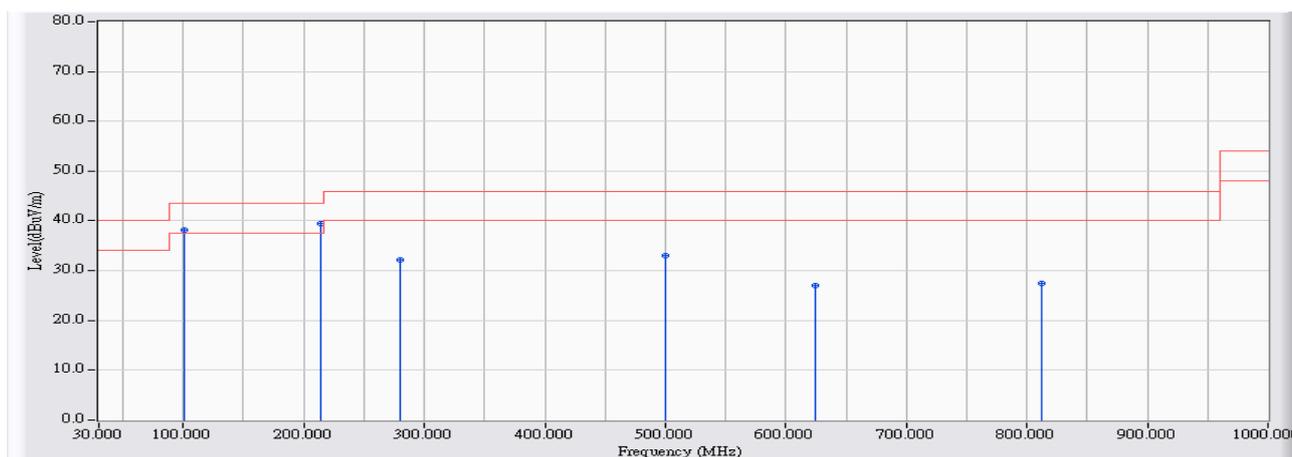


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	102.744	-13.285	49.586	36.301	-7.199	43.500	QUASPEAK
2		214.293	-13.672	48.106	34.434	-9.066	43.500	QUASPEAK
3		280.576	-10.580	39.498	28.918	-17.082	46.000	QUASPEAK
4		500.453	-5.372	34.909	29.537	-16.463	46.000	QUASPEAK
5		624.936	-4.207	31.463	27.256	-18.744	46.000	QUASPEAK
6		949.883	-1.448	32.965	31.517	-14.483	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 : CB1	Time : 2012/05/08 - 09:51
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5785MHz,802.11n(20MHz)

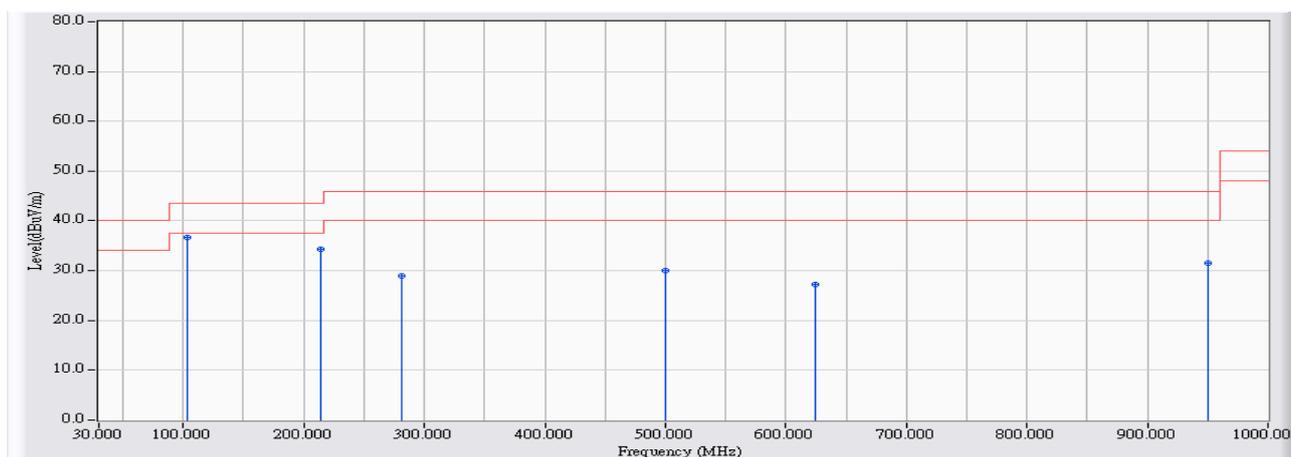


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.137	-13.425	51.630	38.205	-5.295	43.500	QUASPEAK
2	* 214.293	-13.672	53.197	39.525	-3.975	43.500	QUASPEAK
3	280.577	-10.580	42.837	32.257	-13.743	46.000	QUASPEAK
4	500.441	-5.372	38.471	33.099	-12.901	46.000	QUASPEAK
5	624.927	-4.207	31.219	27.012	-18.988	46.000	QUASPEAK
6	812.470	-2.568	30.031	27.463	-18.537	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 : CB1	Time : 2012/05/08 - 09:51
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5785MHz,802.11n(20MHz)

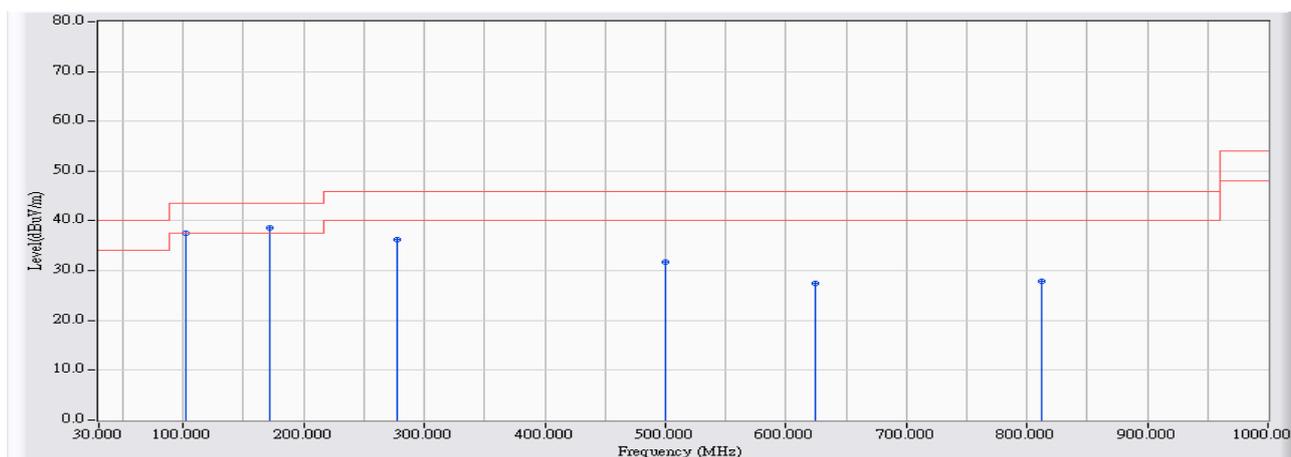


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	102.751	-13.285	49.892	36.607	-6.893	43.500	QUASPEAK
2		214.292	-13.672	47.948	34.276	-9.224	43.500	QUASPEAK
3		280.586	-10.580	39.493	28.913	-17.087	46.000	QUASPEAK
4		500.451	-5.372	35.363	29.991	-16.009	46.000	QUASPEAK
5		624.934	-4.207	31.468	27.261	-18.739	46.000	QUASPEAK
6		949.875	-1.448	33.007	31.559	-14.441	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 : CB1	Time : 2012/05/08 - 09:51
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5755MHz,802.11n(40MHz)

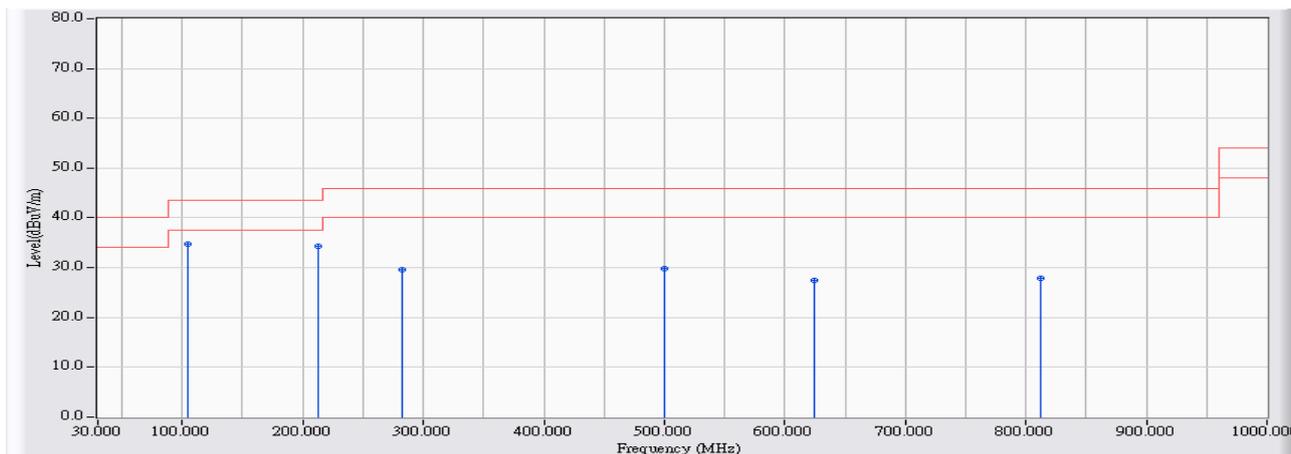


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	102.742	-13.285	50.900	37.615	-5.885	43.500	QUASPEAK
2	* 172.259	-14.414	52.964	38.550	-4.950	43.500	QUASPEAK
3	277.345	-10.633	46.859	36.226	-9.774	46.000	QUASPEAK
4	500.445	-5.372	37.050	31.678	-14.322	46.000	QUASPEAK
5	624.924	-4.207	31.610	27.403	-18.597	46.000	QUASPEAK
6	812.471	-2.568	30.410	27.842	-18.158	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 : CB1	Time : 2012/05/08 - 09:51
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5755MHz,802.11n(40MHz)

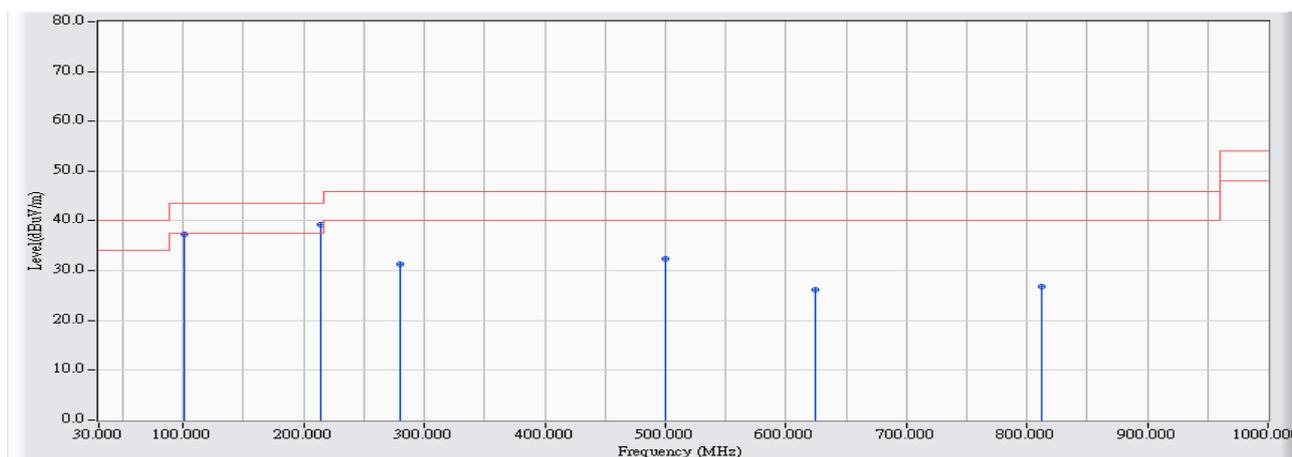


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	104.358	-13.145	47.968	34.823	-8.677	43.500	QUASPEAK
2		212.686	-13.789	48.147	34.358	-9.142	43.500	QUASPEAK
3		282.193	-10.556	40.220	29.664	-16.336	46.000	QUASPEAK
4		500.442	-5.372	35.094	29.722	-16.278	46.000	QUASPEAK
5		624.928	-4.207	31.635	27.428	-18.572	46.000	QUASPEAK
6		812.471	-2.568	30.443	27.875	-18.125	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 : CB1	Time : 2012/05/17 - 21:42
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5785MHz,802.11ac(20MHz)

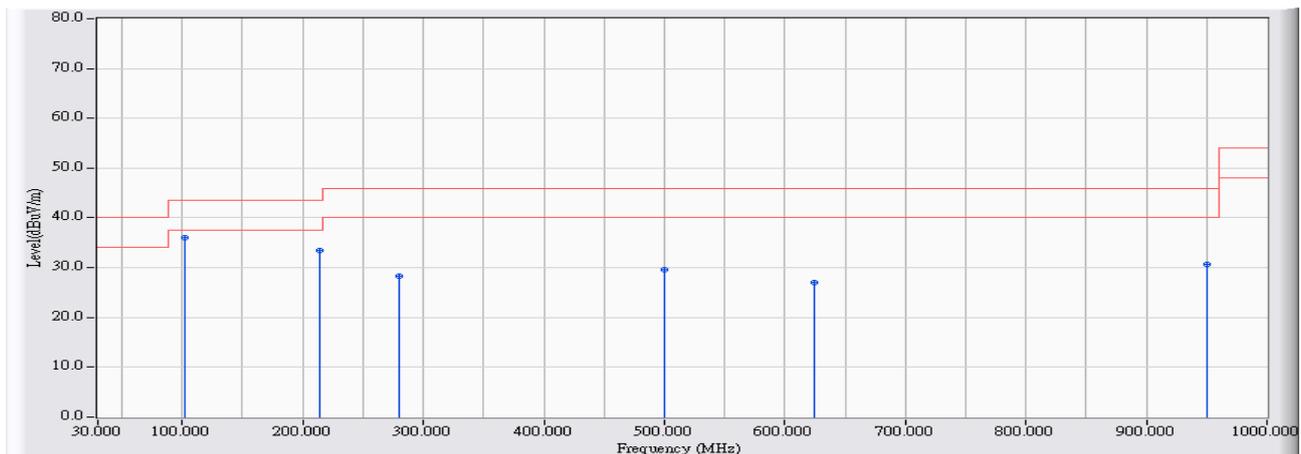


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.129	-13.425	50.807	37.382	-6.118	43.500	QUASPEAK
2	* 214.287	-13.672	52.871	39.199	-4.301	43.500	QUASPEAK
3	280.581	-10.580	41.896	31.316	-14.684	46.000	QUASPEAK
4	500.434	-5.372	37.704	32.332	-13.668	46.000	QUASPEAK
5	624.929	-4.207	30.411	26.204	-19.796	46.000	QUASPEAK
6	812.461	-2.568	29.286	26.718	-19.282	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 : CB1	Time : 2012/05/17 - 21:42
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5785MHz,802.11ac(20MHz)

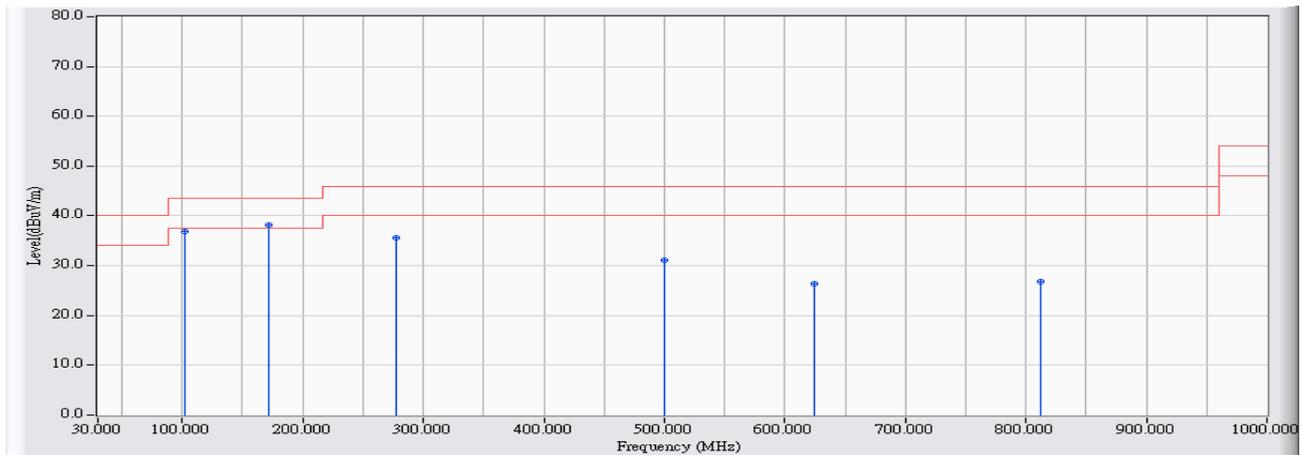


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	102.743	-13.285	49.232	35.947	-7.553	43.500	QUASPEAK
2		214.282	-13.672	47.198	33.526	-9.974	43.500	QUASPEAK
3		280.577	-10.580	38.883	28.303	-17.697	46.000	QUASPEAK
4		500.454	-5.372	34.900	29.528	-16.472	46.000	QUASPEAK
5		624.925	-4.207	31.131	26.924	-19.076	46.000	QUASPEAK
6		949.867	-1.448	32.127	30.679	-15.321	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 : CB1	Time : 2012/05/17 - 21:42
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5755MHz,802.11ac(40MHz)

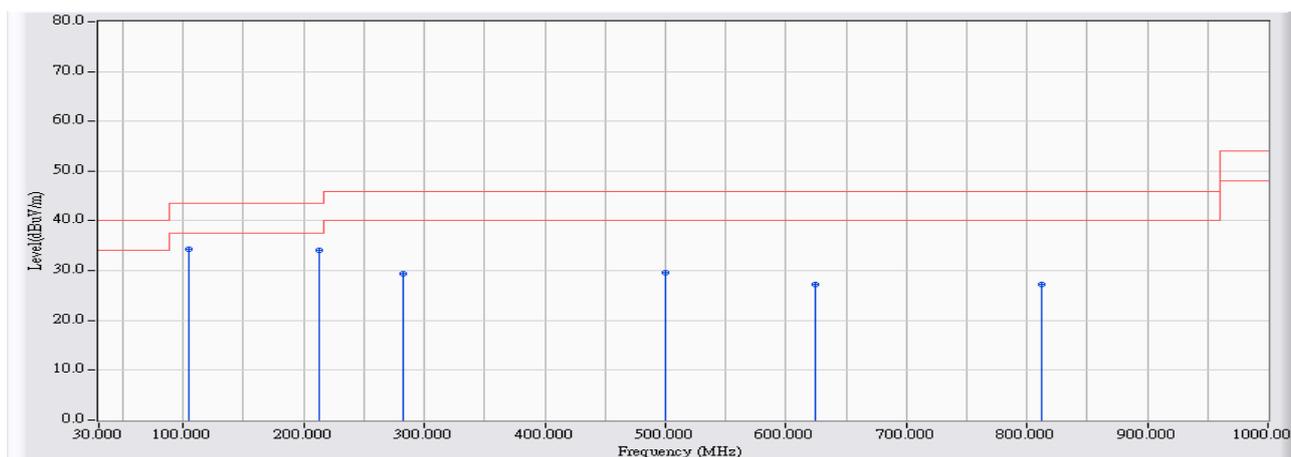


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	102.742	-13.285	50.149	36.864	-6.636	43.500	QUASPEAK
2	* 172.259	-14.414	52.579	38.165	-5.335	43.500	QUASPEAK
3	277.336	-10.633	46.188	35.555	-10.445	46.000	QUASPEAK
4	500.449	-5.372	36.518	31.146	-14.854	46.000	QUASPEAK
5	624.915	-4.207	30.628	26.421	-19.579	46.000	QUASPEAK
6	812.465	-2.568	29.450	26.882	-19.118	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 : CB1	Time : 2012/05/17 - 21:42
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5755MHz,802.11ac(40MHz)

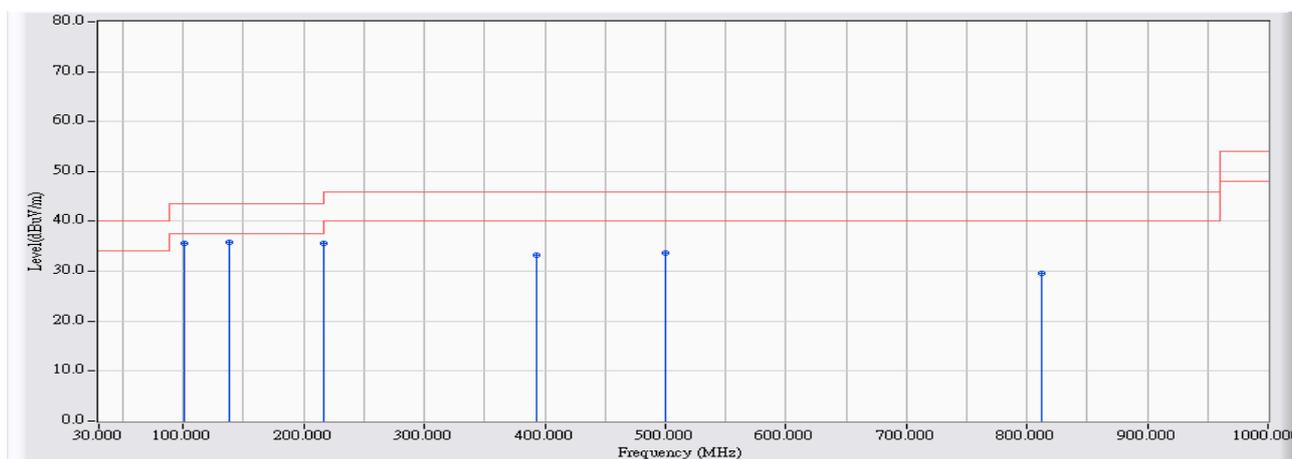


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	104.362	-13.145	47.355	34.210	-9.290	43.500	QUASPEAK
2		212.677	-13.789	47.840	34.051	-9.449	43.500	QUASPEAK
3		282.183	-10.556	39.943	29.387	-16.613	46.000	QUASPEAK
4		500.444	-5.372	34.898	29.526	-16.474	46.000	QUASPEAK
5		624.929	-4.207	31.477	27.270	-18.730	46.000	QUASPEAK
6		812.465	-2.568	29.893	27.325	-18.675	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 : CB1	Time : 2012/05/08 - 09:51
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5775MHz,802.11ac(80MHz)

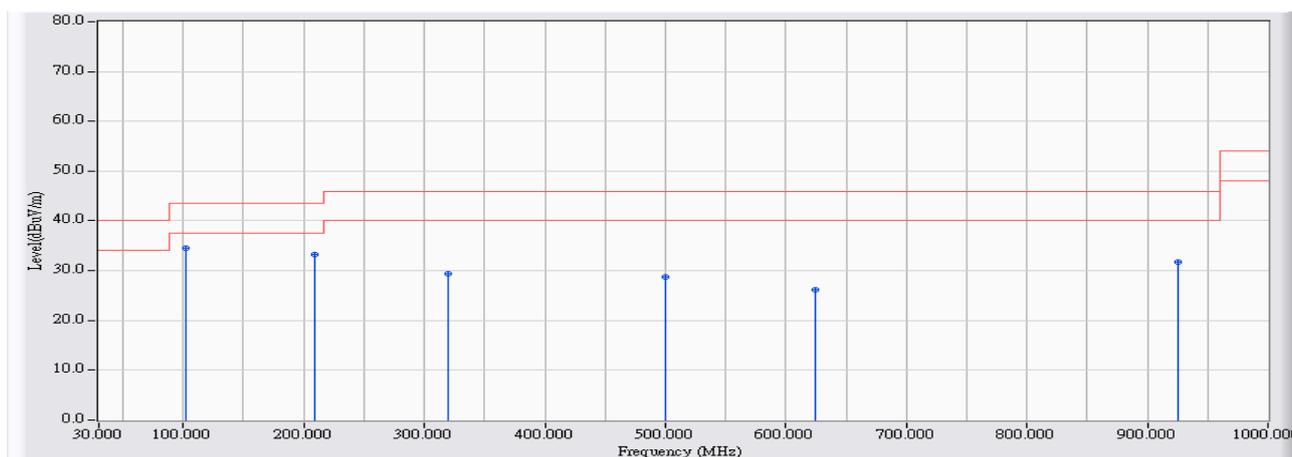


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.133	-13.425	48.957	35.532	-7.968	43.500	QUASPEAK
2	* 138.320	-12.849	48.769	35.920	-7.580	43.500	QUASPEAK
3	215.921	-13.554	49.126	35.572	-7.928	43.500	QUASPEAK
4	393.743	-7.551	40.838	33.287	-12.713	46.000	QUASPEAK
5	500.451	-5.372	38.981	33.609	-12.391	46.000	QUASPEAK
6	812.460	-2.568	32.122	29.554	-16.446	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 : CB1	Time : 2012/05/08 - 09:51
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : Mode 2: Transmit (Adapter: AD82030) 5775MHz,802.11ac(80MHz)



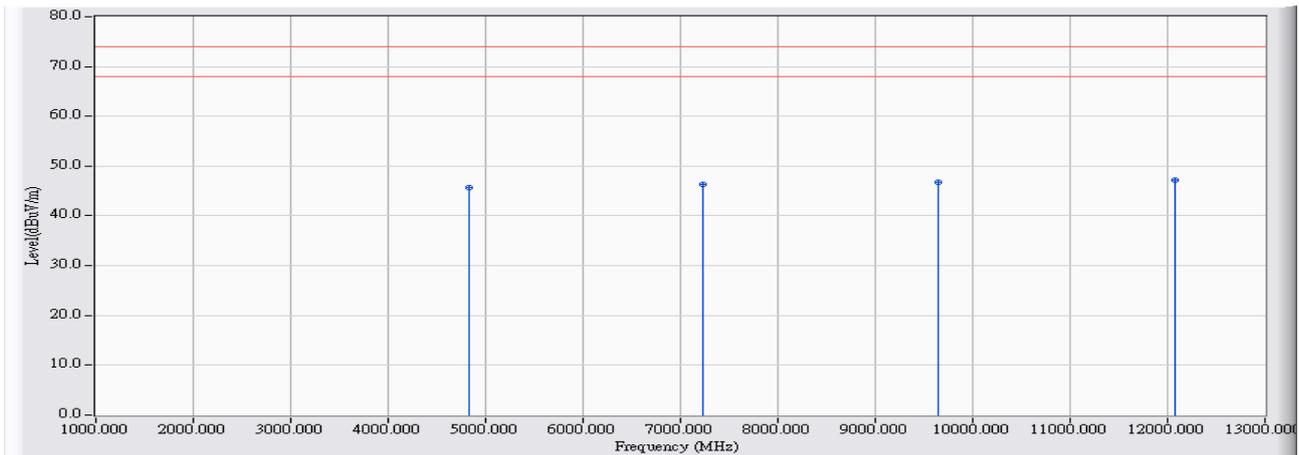
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	102.744	-13.285	47.780	34.495	-9.005	43.500	QUASPEAK
2		209.452	-14.026	47.224	33.198	-10.302	43.500	QUASPEAK
3		319.385	-9.707	38.993	29.286	-16.714	46.000	QUASPEAK
4		500.452	-5.372	34.190	28.818	-17.182	46.000	QUASPEAK
5		624.926	-4.207	30.451	26.244	-19.756	46.000	QUASPEAK
6		925.628	-1.722	33.464	31.742	-14.258	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 : CB1	Time : 2012/04/27 - 21:39
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11b_2412MHz

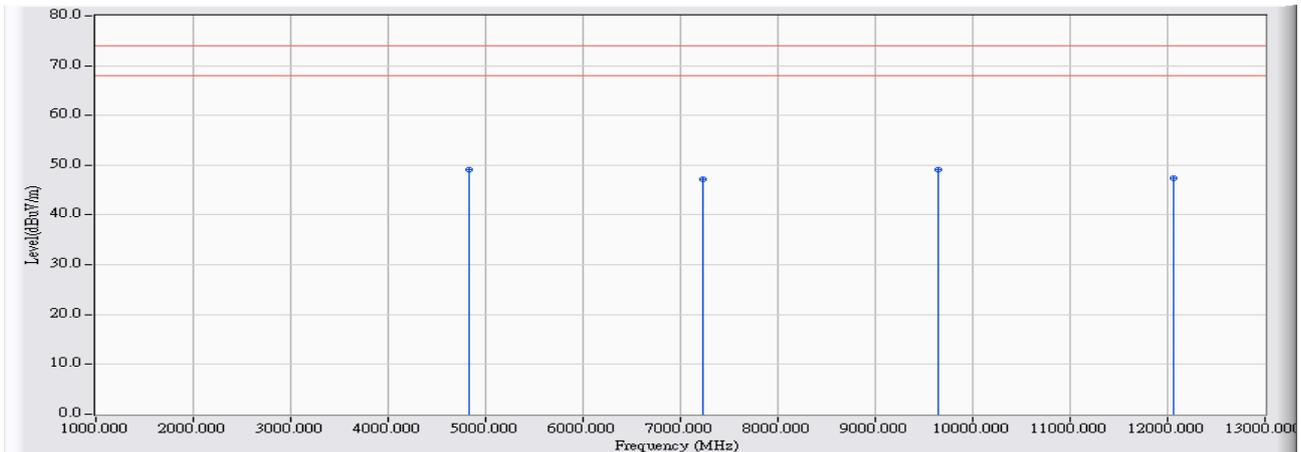


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4823.670	1.652	44.110	45.763	-28.237	54.000	74.000	PEAK
2	7235.420	8.165	38.120	46.286	-27.714	54.000	74.000	PEAK
3	9647.920	9.946	36.830	46.776	-27.224	54.000	74.000	PEAK
4	* 12076.420	10.051	37.240	47.290	-26.710	54.000	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 : CB1	Time : 2012/04/27 - 21:33
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11b_2412MHz

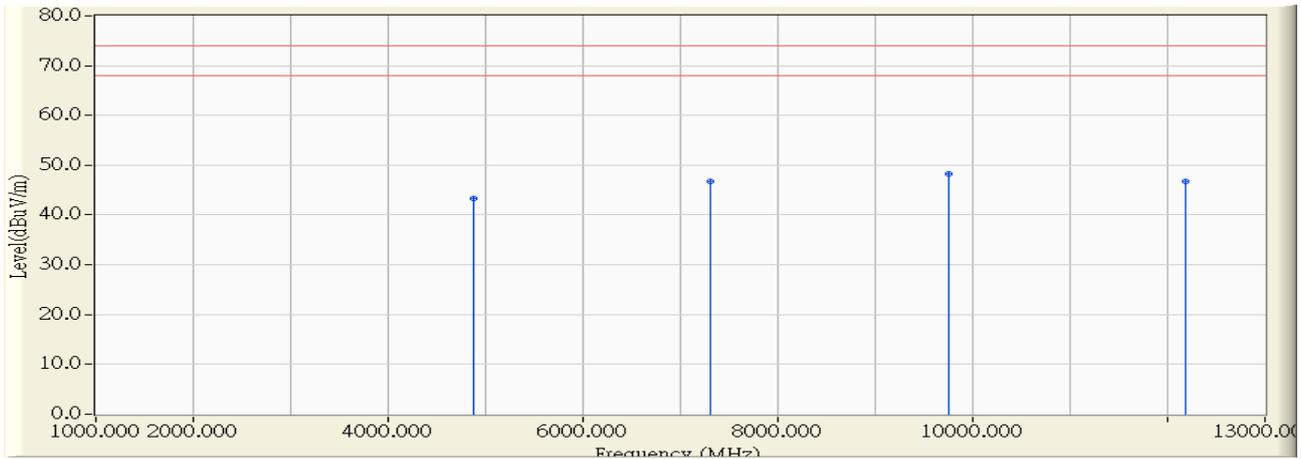


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	4824.170	1.656	47.400	49.056	-24.944	54.000	74.000	PEAK
2		7234.580	8.163	39.050	47.213	-26.787	54.000	74.000	PEAK
3		9648.000	9.946	39.090	49.036	-24.964	54.000	74.000	PEAK
4		12058.420	9.905	37.530	47.434	-26.566	54.000	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 : CB1	Time : 2012/05/03 - 10:05
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 2437MHz,802.11b

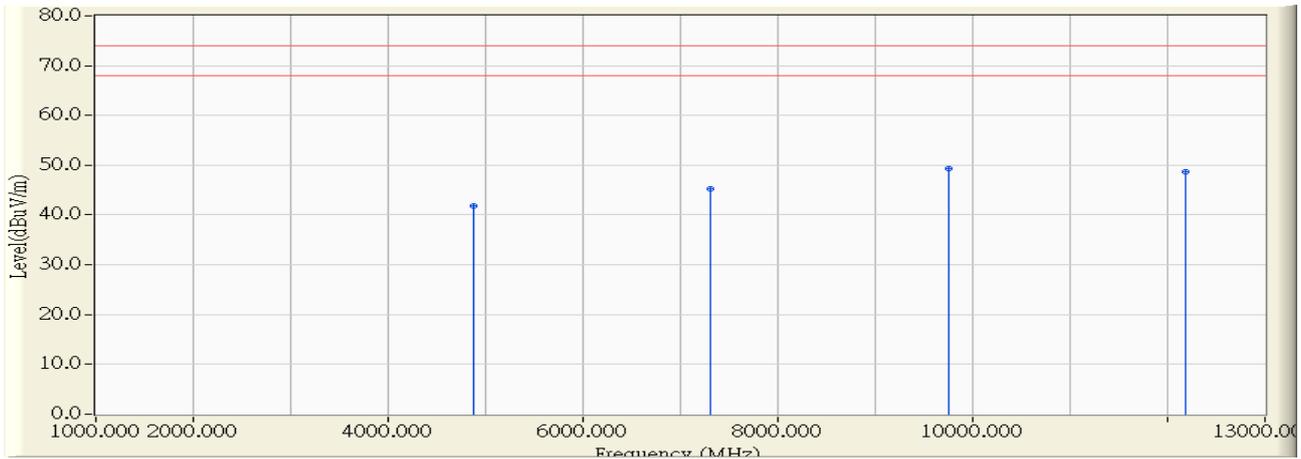


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4873.800	-0.672	44.060	43.388	-30.612	54.000	74.000	PEAK
2	7309.960	5.675	41.000	46.675	-27.325	54.000	74.000	PEAK
3	* 9747.240	9.950	38.360	48.310	-25.690	54.000	74.000	PEAK
4	12184.680	11.481	35.320	46.801	-27.199	54.000	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 : CB1	Time : 2012/05/03 - 10:25
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 2437MHz,802.11b

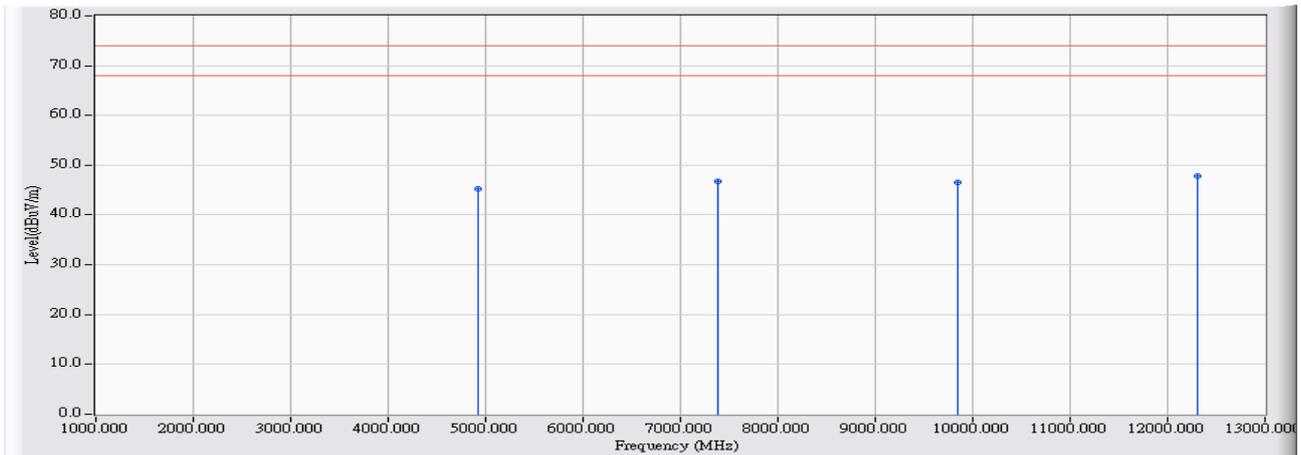


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4874.100	-0.672	42.423	41.751	-32.249	54.000	74.000	PEAK
2	7310.400	5.676	39.654	45.330	-28.670	54.000	74.000	PEAK
3	* 9751.200	9.978	39.267	49.246	-24.754	54.000	74.000	PEAK
4	12183.200	11.483	37.220	48.702	-25.298	54.000	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 : CB1	Time : 2012/04/27 - 21:48
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11b_2462MHz

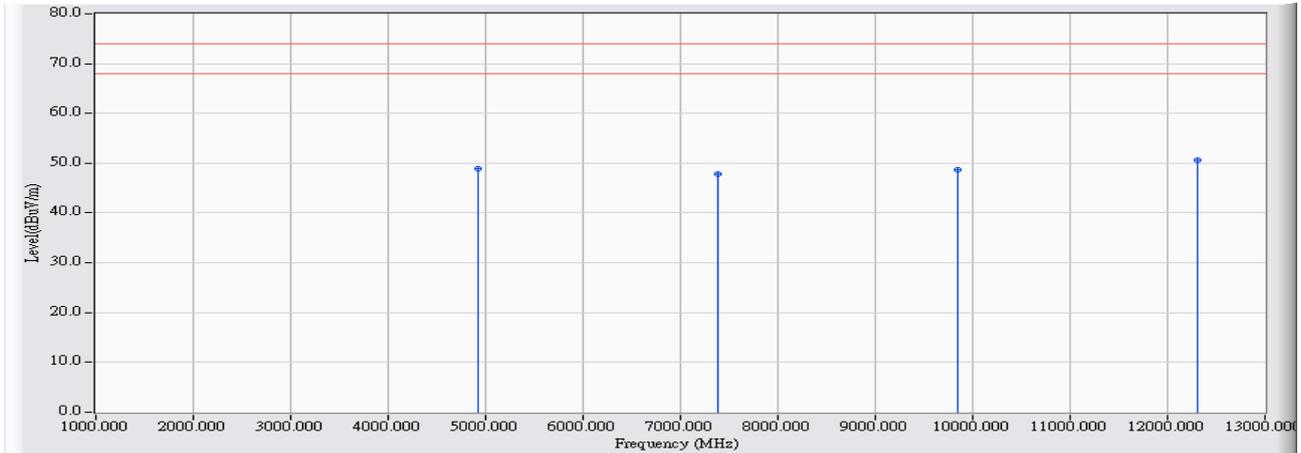


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4924.100	2.211	42.990	45.200	-28.800	54.000	74.000	PEAK
2	7378.080	8.598	38.230	46.828	-27.172	54.000	74.000	PEAK
3	9848.170	10.387	36.230	46.618	-27.382	54.000	74.000	PEAK
4	* 12312.750	11.926	35.840	47.766	-26.234	54.000	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 : CB1	Time : 2012/04/27 - 21:44
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11b_2462MHz

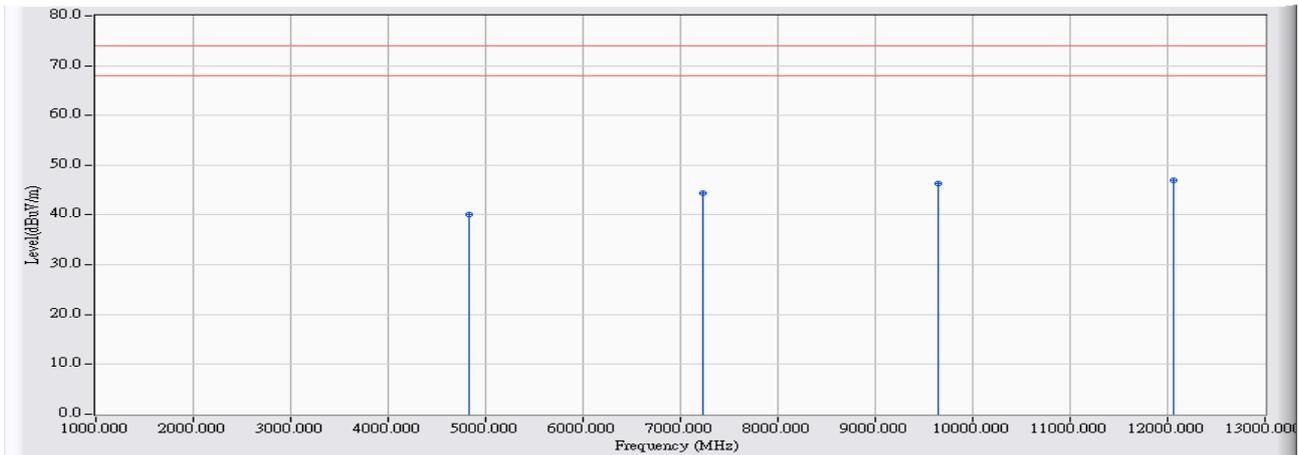


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4924.000	2.210	46.670	48.880	-25.120	54.000	74.000	PEAK
2	7383.670	8.624	39.300	47.925	-26.075	54.000	74.000	PEAK
3	9847.580	10.386	38.220	48.606	-25.394	54.000	74.000	PEAK
4	* 12311.250	11.917	38.690	50.607	-23.393	54.000	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 : CB1	Time : 2012/04/27 - 21:57
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11g_2412MHz

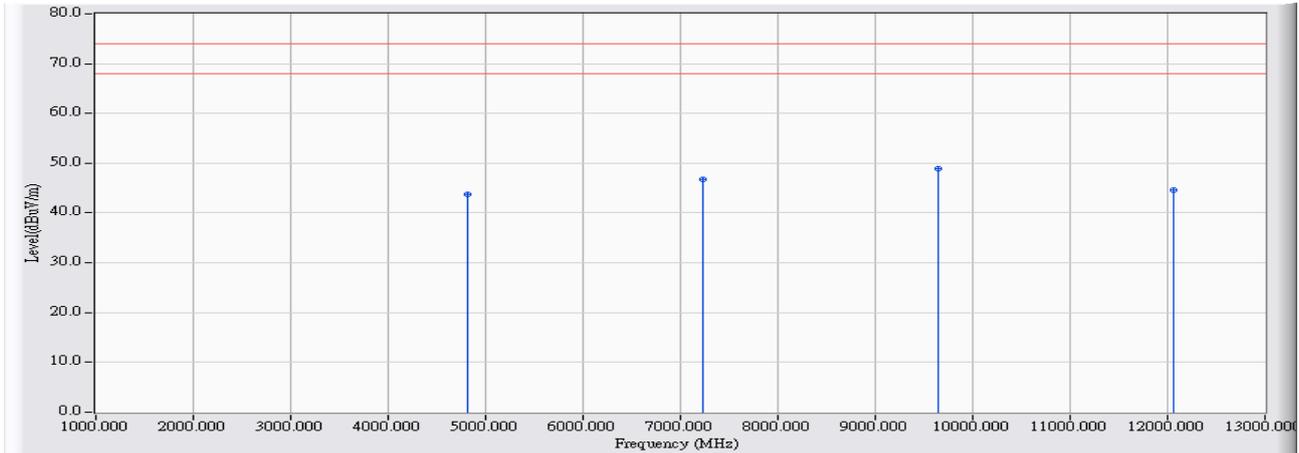


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4824.330	1.657	38.420	40.077	-33.923	54.000	74.000	PEAK
2	7236.000	8.167	36.250	44.417	-29.583	54.000	74.000	PEAK
3	9645.920	9.941	36.330	46.271	-27.729	54.000	74.000	PEAK
4	* 12064.330	9.952	37.030	46.982	-27.018	54.000	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 : CB1	Time : 2012/04/27 - 21:53
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11g_2412MHz

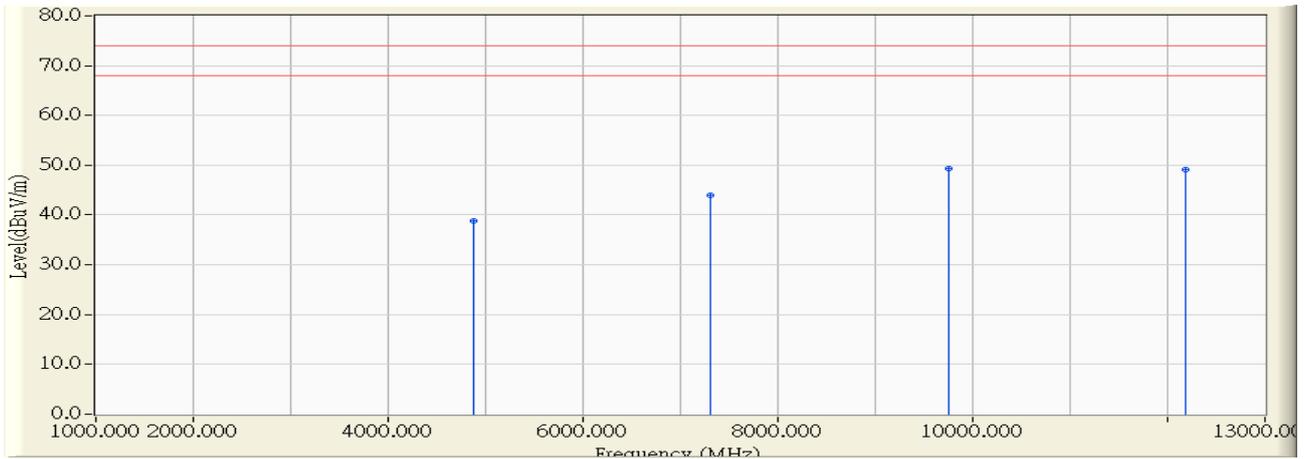


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4821.830	1.641	42.160	43.801	-30.199	54.000	74.000	PEAK
2	7236.250	8.168	38.580	46.748	-27.252	54.000	74.000	PEAK
3	* 9653.670	9.958	39.030	48.988	-25.012	54.000	74.000	PEAK
4	12061.500	9.929	34.780	44.709	-29.291	54.000	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 : CB1	Time : 2012/05/03 - 10:27
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 2437MHz,802.11g

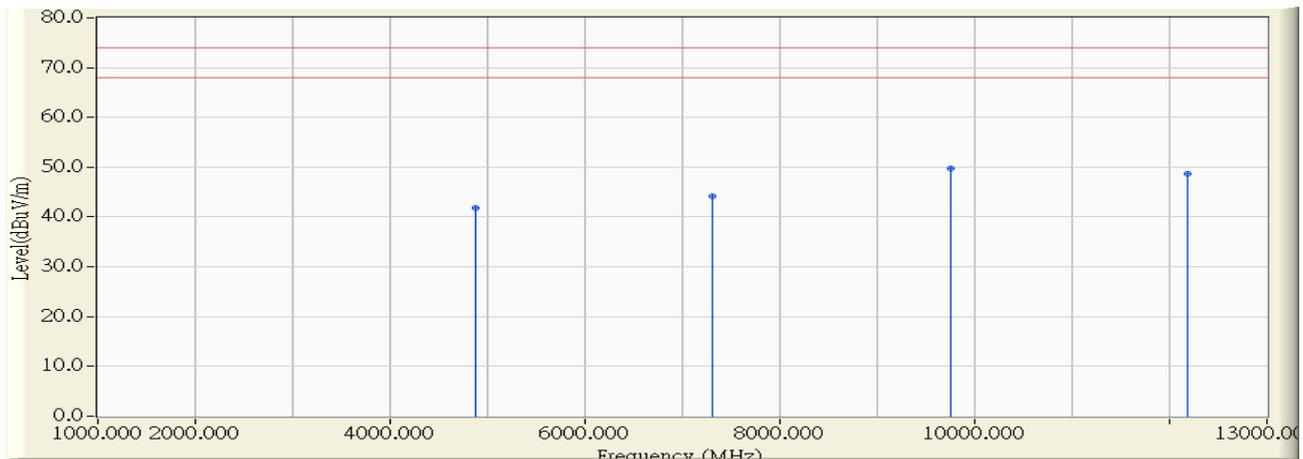


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4869.700	-0.684	39.479	38.796	-35.204	54.000	74.000	PEAK
2	7306.300	5.667	38.238	43.904	-30.096	54.000	74.000	PEAK
3	* 9748.100	9.956	39.396	49.352	-24.648	54.000	74.000	PEAK
4	12186.300	11.480	37.604	49.085	-24.915	54.000	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 : CB1	Time : 2012/05/03 - 10:29
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 2437MHz,802.11g

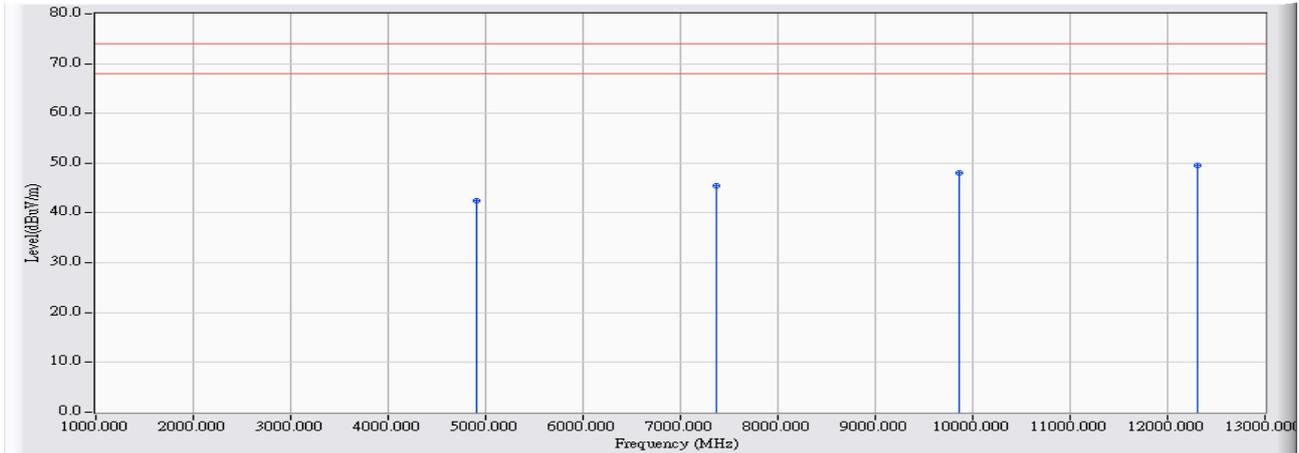


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4871.500	-0.679	42.498	41.819	-32.181	54.000	74.000	PEAK
2	7311.300	5.679	38.406	44.084	-29.916	54.000	74.000	PEAK
3	* 9750.500	9.973	39.846	49.820	-24.180	54.000	74.000	PEAK
4	12183.300	11.482	37.162	48.644	-25.356	54.000	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 : CB1	Time : 2012/04/27 - 22:08
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11g_2462MHz

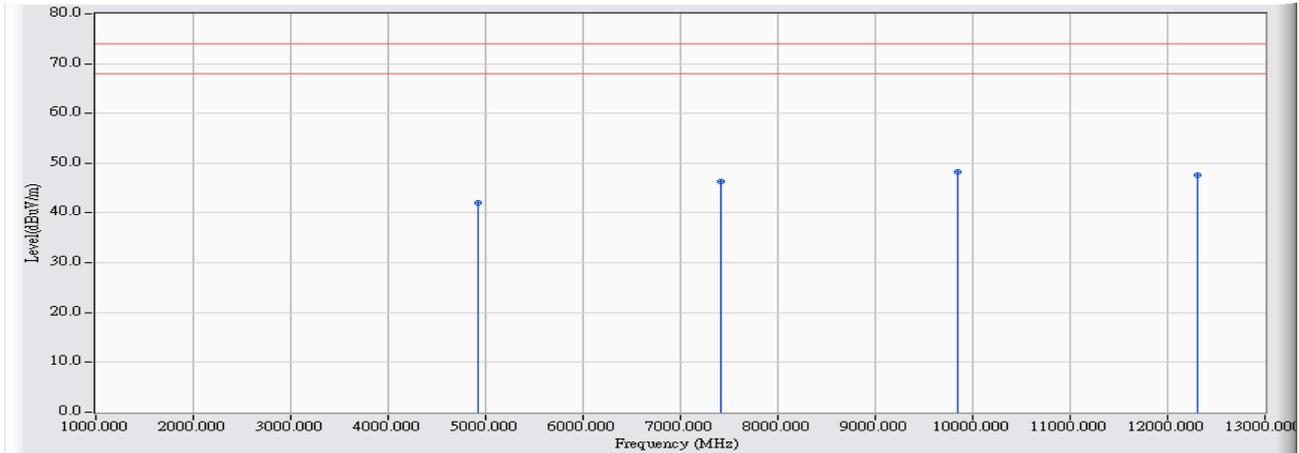


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4914.170	2.161	40.290	42.452	-31.548	54.000	74.000	PEAK
2	7368.500	8.554	36.950	45.504	-28.496	54.000	74.000	PEAK
3	9864.750	10.428	37.590	48.018	-25.982	54.000	74.000	PEAK
4	* 12300.170	11.850	37.620	49.470	-24.530	54.000	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 : CB1	Time : 2012/04/27 - 22:02
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11g_2462MHz

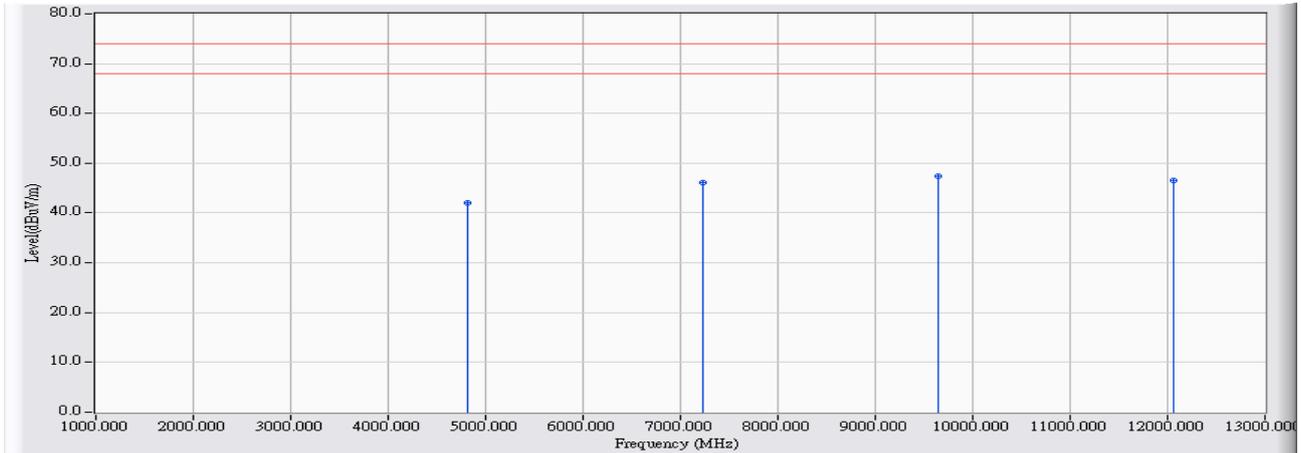


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4927.000	2.224	39.800	42.024	-31.976	54.000	74.000	PEAK
2	7408.330	8.739	37.660	46.400	-27.600	54.000	74.000	PEAK
3	* 9840.580	10.369	37.820	48.189	-25.811	54.000	74.000	PEAK
4	12309.830	11.908	35.740	47.648	-26.352	54.000	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 : CB1	Time : 2012/04/27 - 22:18
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11n(20MHz)_2412MHz

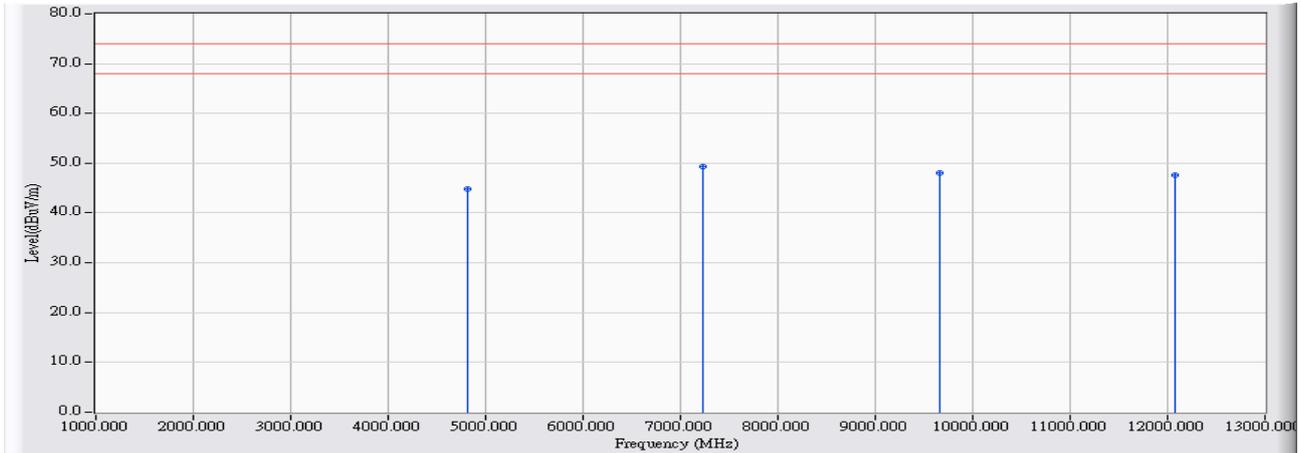


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4815.080	1.601	40.410	42.011	-31.989	54.000	74.000	PEAK
2	7234.920	8.164	38.040	46.204	-27.796	54.000	74.000	PEAK
3	* 9649.250	9.949	37.440	47.389	-26.611	54.000	74.000	PEAK
4	12060.000	9.917	36.570	46.487	-27.513	54.000	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 : CB1	Time : 2012/04/27 - 22:14
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11n(20MHz)_2412MHz

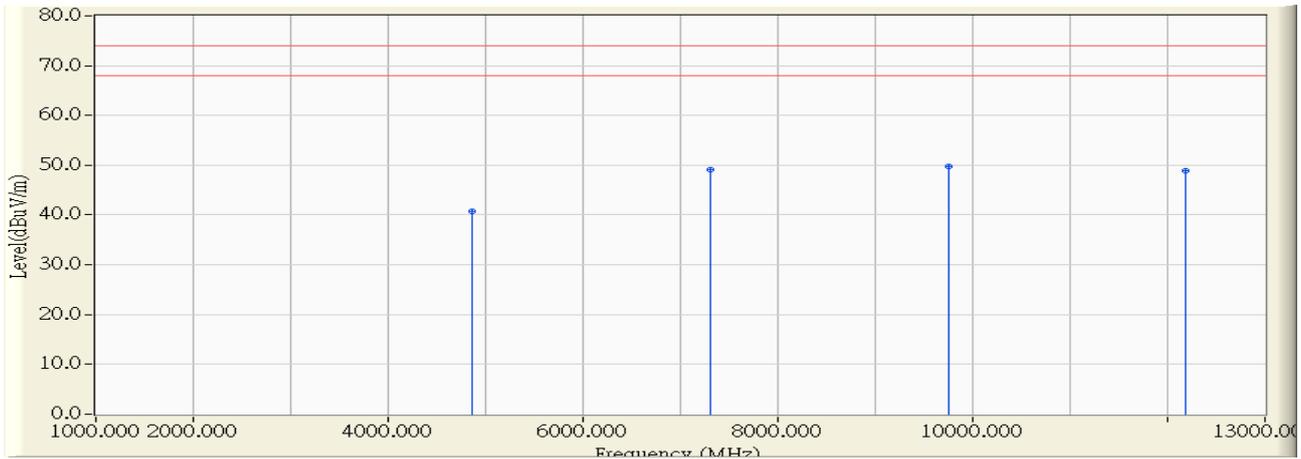


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4822.920	1.648	43.180	44.828	-29.172	54.000	74.000	PEAK
2	* 7235.580	8.165	41.070	49.236	-24.764	54.000	74.000	PEAK
3	9656.830	9.965	37.980	47.945	-26.055	54.000	74.000	PEAK
4	12077.080	10.056	37.660	47.716	-26.284	54.000	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 : CB1	Time : 2012/05/03 - 10:32
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 2437MHz,802.11n(20MHz)

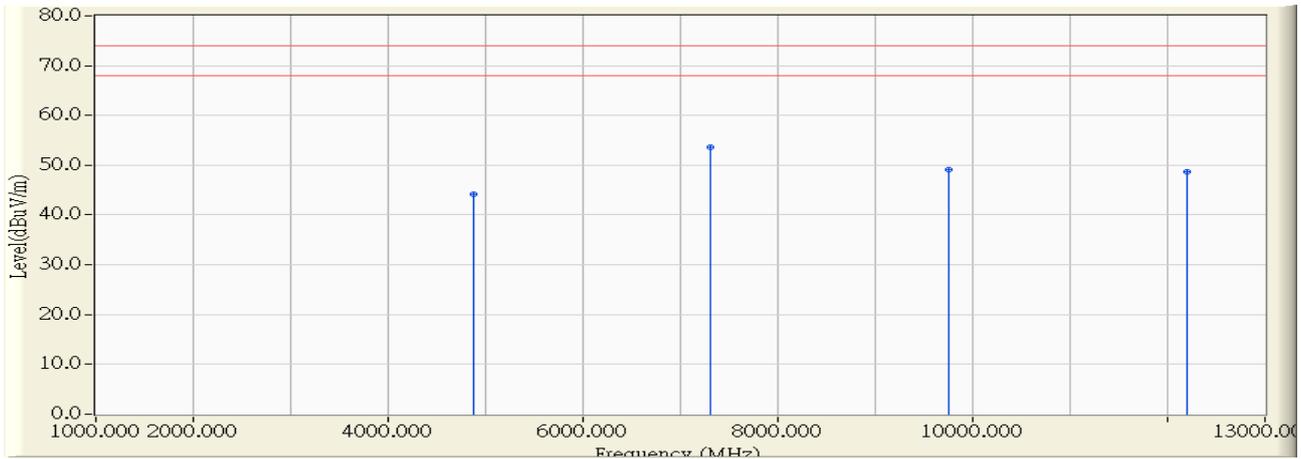


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4867.700	-0.688	41.514	40.826	-33.174	54.000	74.000	PEAK
2	7313.600	5.683	43.455	49.139	-24.861	54.000	74.000	PEAK
3	* 9751.800	9.983	39.679	49.662	-24.338	54.000	74.000	PEAK
4	12186.200	11.480	37.325	48.806	-25.194	54.000	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 : CB1	Time : 2012/05/03 - 10:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 2437MHz,802.11n(20MHz)

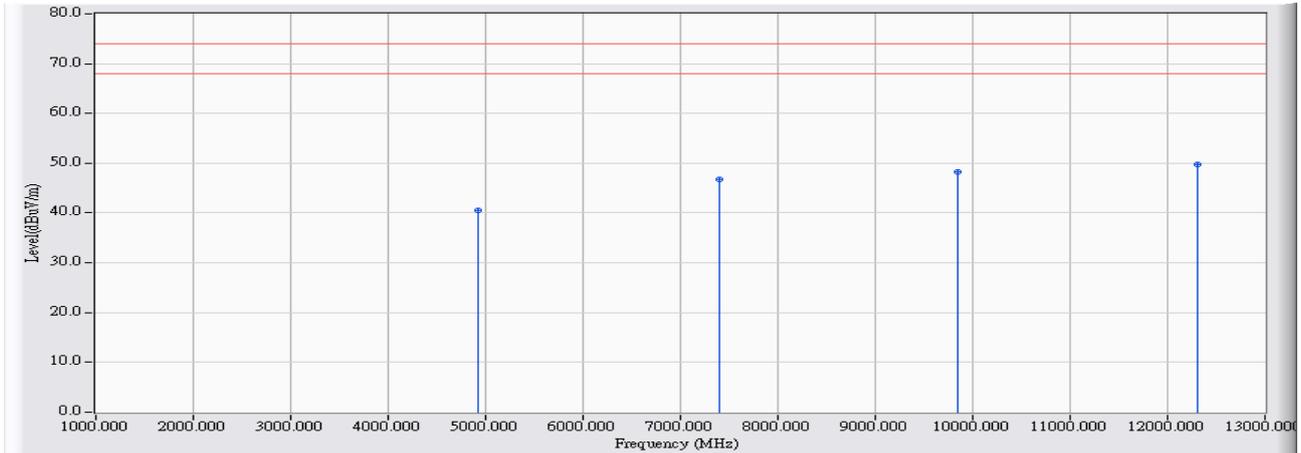


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4875.200	-0.669	44.794	44.125	-29.875	54.000	74.000	PEAK
2	* 7306.900	5.668	47.896	53.564	-20.436	54.000	74.000	PEAK
3	9748.500	9.959	39.185	49.144	-24.856	54.000	74.000	PEAK
4	12194.400	11.478	37.107	48.585	-25.415	54.000	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 : CB1	Time : 2012/04/27 - 22:26
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11n(20MHz)_2462MHz

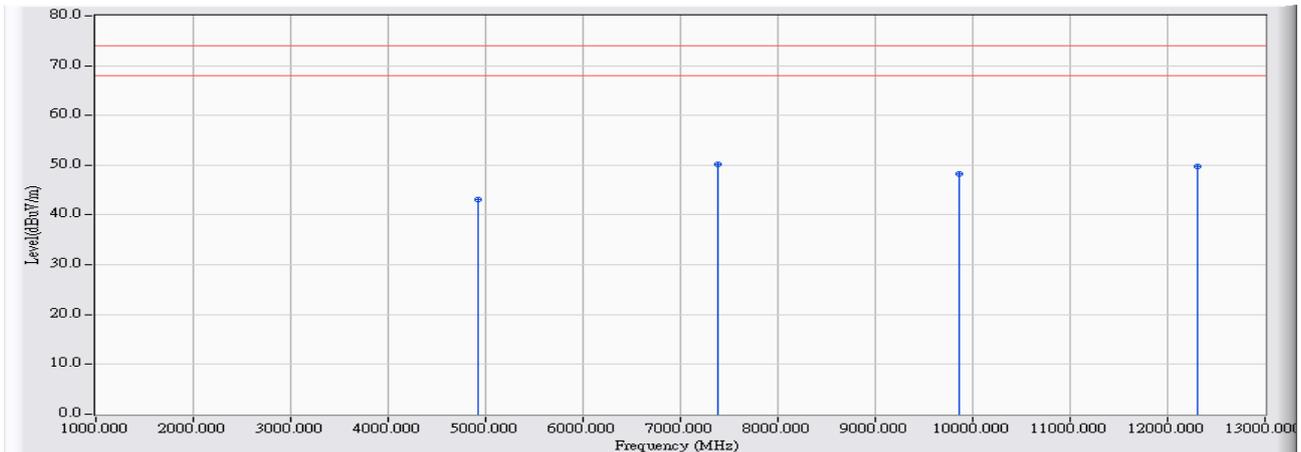


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4924.000	2.210	38.340	40.550	-33.450	54.000	74.000	PEAK
2	7395.580	8.680	38.020	46.700	-27.300	54.000	74.000	PEAK
3	9842.920	10.374	37.800	48.175	-25.825	54.000	74.000	PEAK
4	* 12300.170	11.850	37.830	49.680	-24.320	54.000	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 : CB1	Time : 2012/04/27 - 22:22
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11n(20MHz)_2462MHz

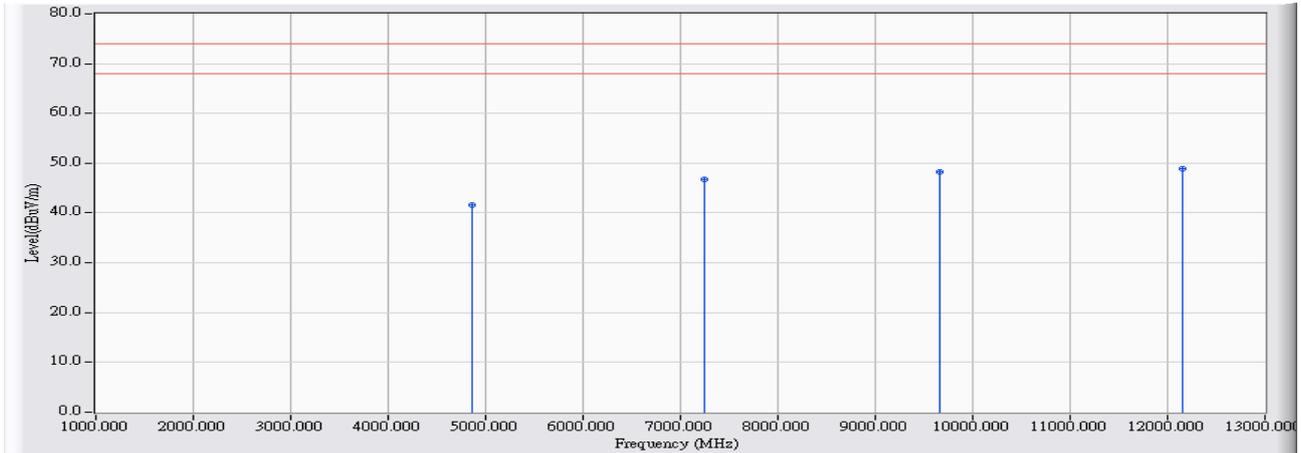


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4925.580	2.217	40.930	43.148	-30.852	54.000	74.000	PEAK
2	* 7385.750	8.634	41.480	50.114	-23.886	54.000	74.000	PEAK
3	9859.170	10.414	37.840	48.254	-25.746	54.000	74.000	PEAK
4	12300.170	11.850	37.920	49.770	-24.230	54.000	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 : CB1	Time : 2012/04/27 - 22:46
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11n(40MHz)_2422MHz

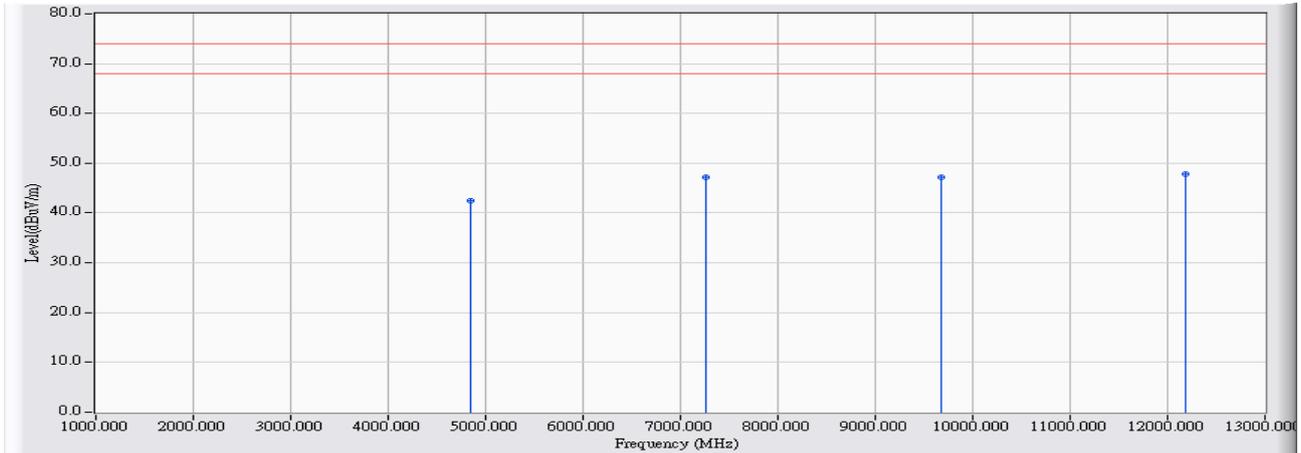


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4859.470	1.868	39.840	41.708	-32.292	54.000	74.000	PEAK
2	7241.470	8.182	38.590	46.772	-27.228	54.000	74.000	PEAK
3	9668.270	9.990	38.210	48.200	-25.800	54.000	74.000	PEAK
4	* 12147.330	10.626	38.290	48.916	-25.084	54.000	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 : CB1	Time : 2012/04/27 - 22:41
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11n(40MHz)_2422MHz

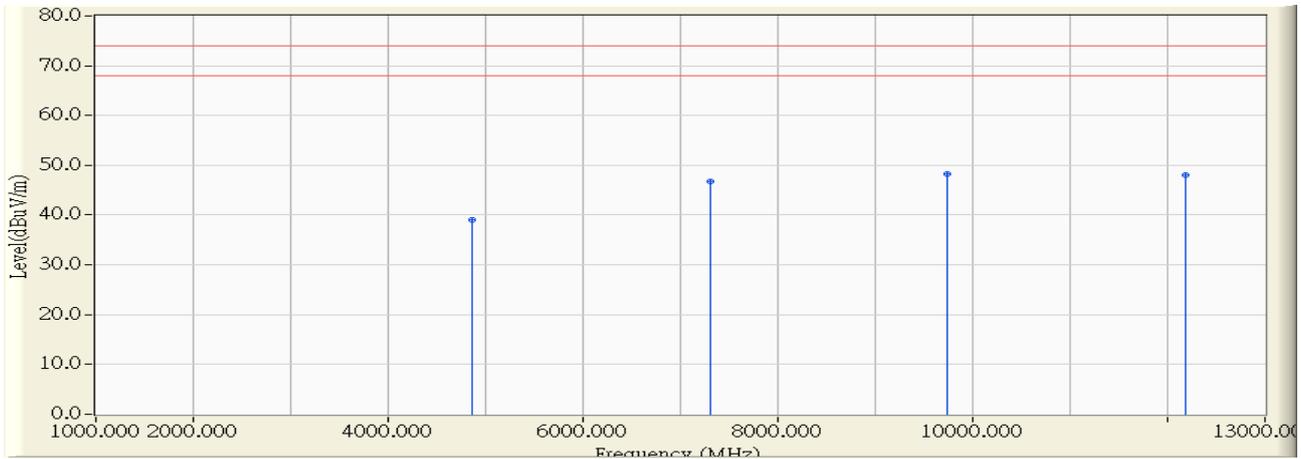


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4844.000	1.774	40.650	42.425	-31.575	54.000	74.000	PEAK
2	7260.930	8.234	38.950	47.184	-26.816	54.000	74.000	PEAK
3	9672.800	10.000	37.220	47.220	-26.780	54.000	74.000	PEAK
4	* 12177.470	10.870	37.020	47.890	-26.110	54.000	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 : CB1	Time : 2012/05/03 - 10:49
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 2437MHz,802.11n(40MHz)

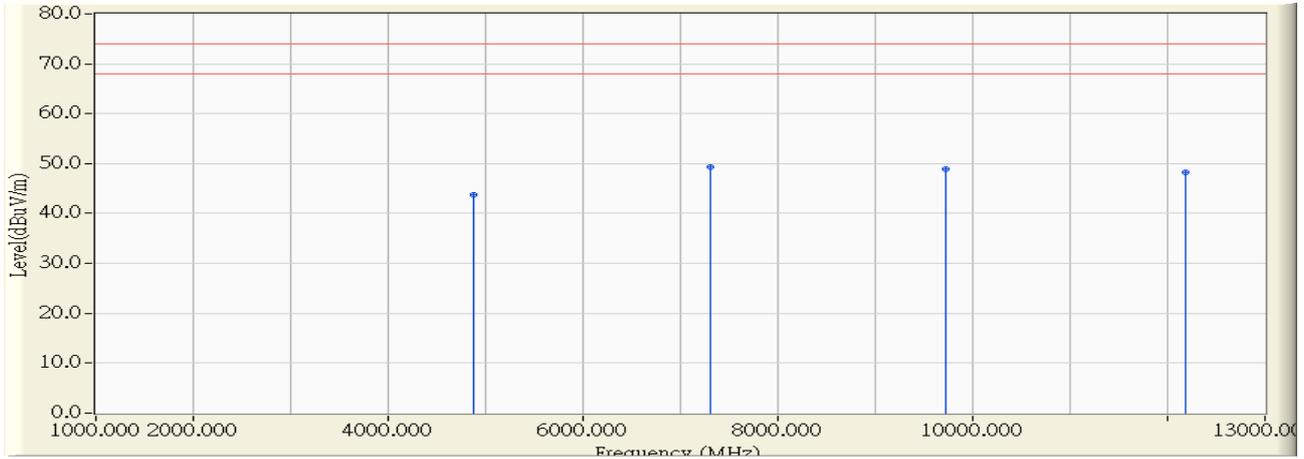


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4869.000	-0.685	39.679	38.994	-35.006	54.000	74.000	PEAK
2	7304.600	5.662	41.049	46.711	-27.289	54.000	74.000	PEAK
3	* 9745.600	9.938	38.298	48.236	-25.764	54.000	74.000	PEAK
4	12181.000	11.483	36.507	47.990	-26.010	54.000	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 : CB1	Time : 2012/05/03 - 10:51
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 2437MHz,802.11n(40MHz)

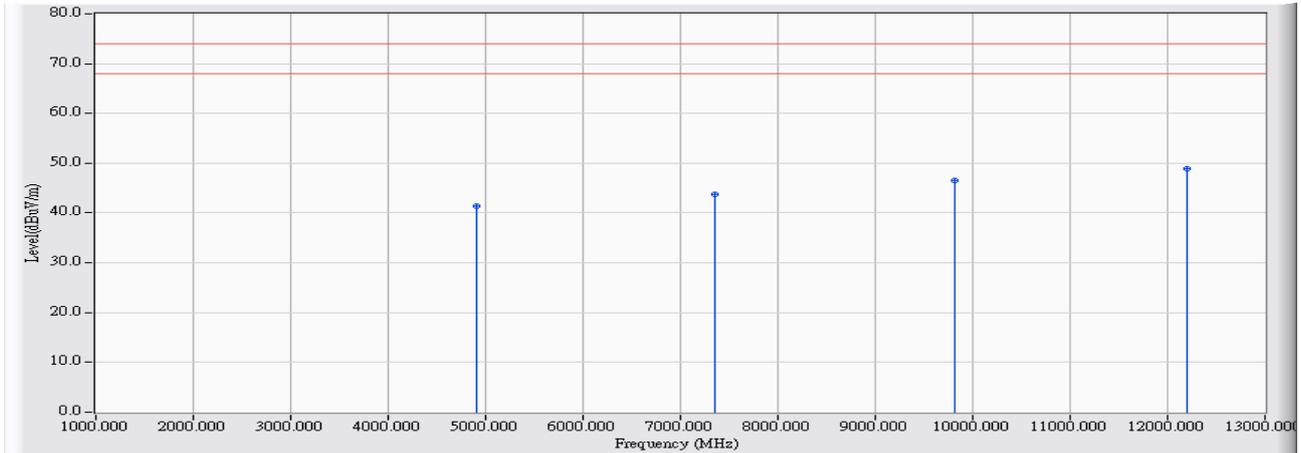


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4870.600	-0.681	44.540	43.859	-30.141	54.000	74.000	PEAK
2	* 7305.400	5.664	43.740	49.404	-24.596	54.000	74.000	PEAK
3	9727.600	9.808	39.120	48.928	-25.072	54.000	74.000	PEAK
4	12184.200	11.481	36.752	48.233	-25.767	54.000	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 : CB1	Time : 2012/04/27 - 22:55
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11n(40MHz)_2452MHz

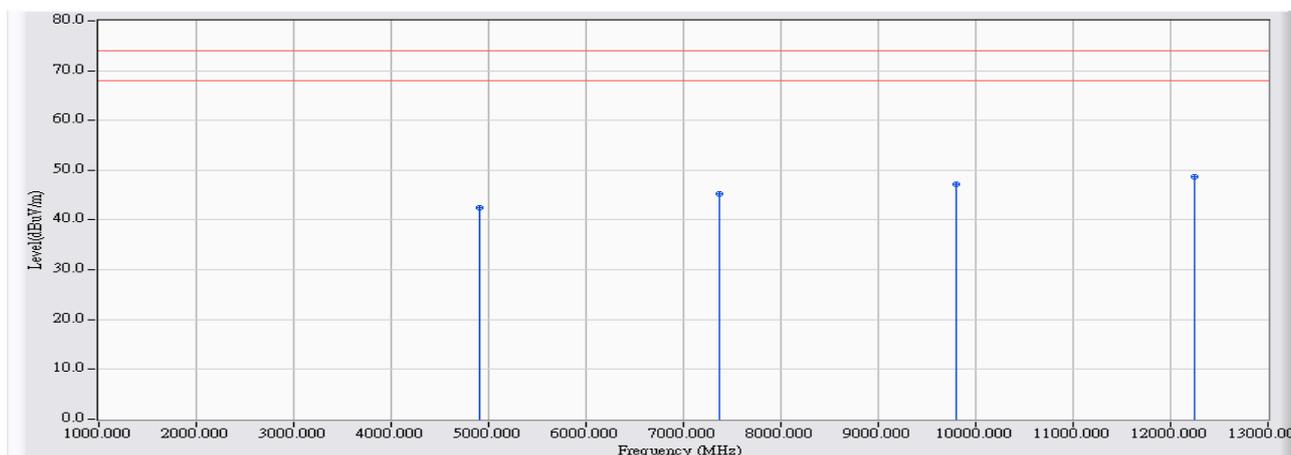


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4904.000	2.112	39.180	41.292	-32.708	54.000	74.000	PEAK
2	7355.470	8.496	35.230	43.727	-30.273	54.000	74.000	PEAK
3	9809.600	10.296	36.240	46.537	-27.463	54.000	74.000	PEAK
4	* 12200.000	11.053	37.830	48.883	-25.117	54.000	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 : CB1	Time : 2012/04/27 - 22:51
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11n(40MHz)_2452MHz

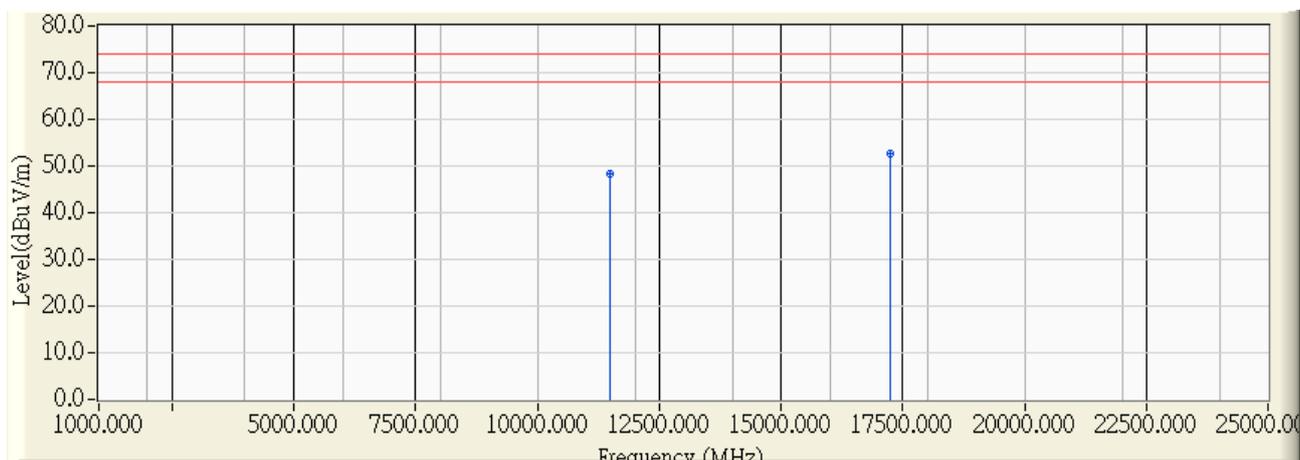


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4901.600	2.100	40.450	42.550	-31.450	54.000	74.000	PEAK
2	7364.270	8.535	36.800	45.334	-28.666	54.000	74.000	PEAK
3	9804.530	10.286	36.920	47.206	-26.794	54.000	74.000	PEAK
4	* 12247.730	11.441	37.240	48.680	-25.320	54.000	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 : CB1	Time : 2012/04/24 - 21:49
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5745MHz,802.11a



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11501.300	12.126	36.313	48.439	-25.561	54.000	74.000	PEAK
2	* 17235.200	15.741	37.017	52.758	-21.242	54.000	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 : CB1	Time : 2012/04/24 - 21:56
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5745MHz,802.11a

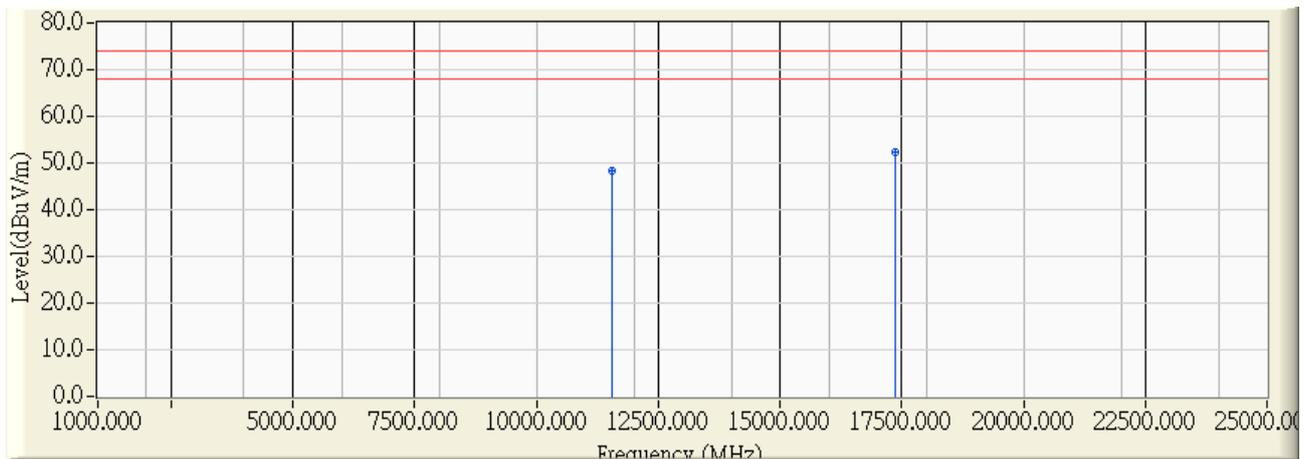


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11489.900	12.136	36.090	48.225	-25.775	54.000	74.000	PEAK
2	* 17235.800	15.743	36.603	52.347	-21.653	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 22:03
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5785MHz,802.11a

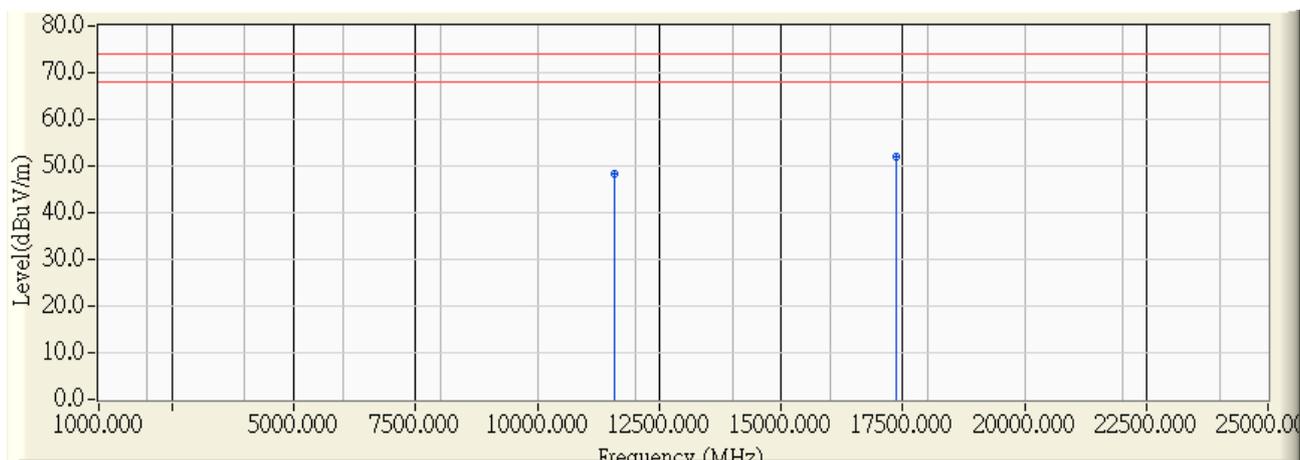


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11566.500	12.052	36.212	48.265	-25.735	54.000	74.000	PEAK
2	* 17354.800	16.227	36.229	52.456	-21.544	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 22:09
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5785MHz,802.11a



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11571.800	12.047	36.235	48.281	-25.719	54.000	74.000	PEAK
2	* 17363.700	16.264	35.685	51.949	-22.051	54.000	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 : CB1	Time : 2012/04/24 - 22:14
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5825MHz,802.11a

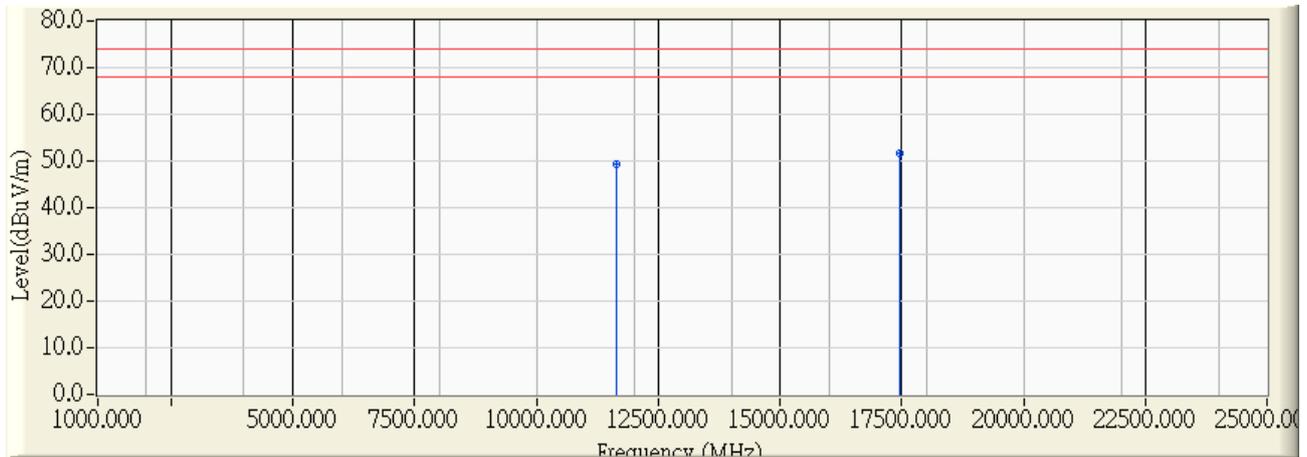


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11652.300	11.954	35.535	47.488	-26.512	54.000	74.000	PEAK
2	* 17474.400	16.713	35.437	52.151	-21.849	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 22:20
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5825MHz,802.11a

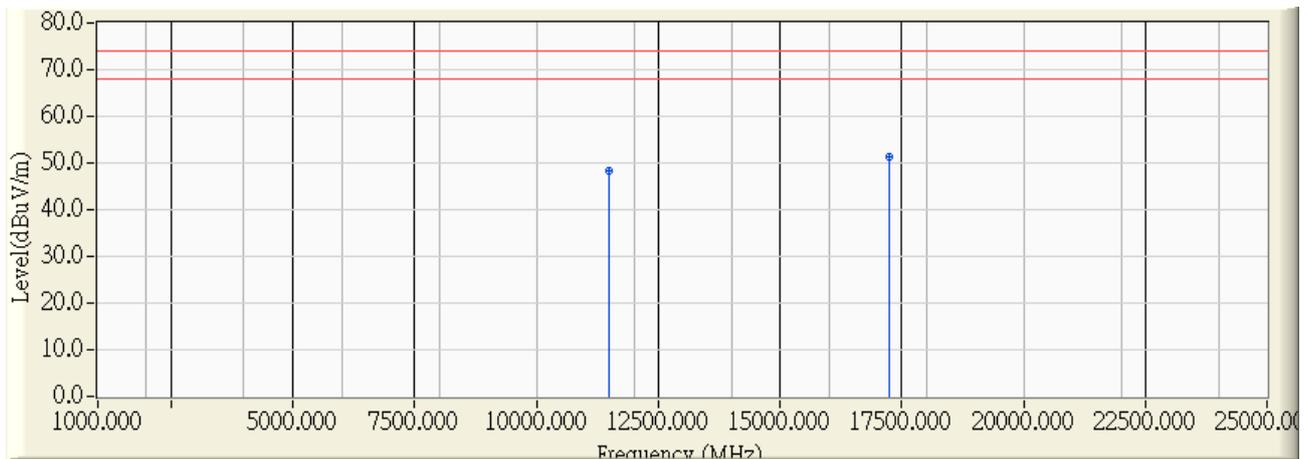


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11648.700	11.957	37.500	49.457	-24.543	54.000	74.000	PEAK
2	* 17476.500	16.722	34.885	51.607	-22.393	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 22:24
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5745MHz,802.11n(20MHz)

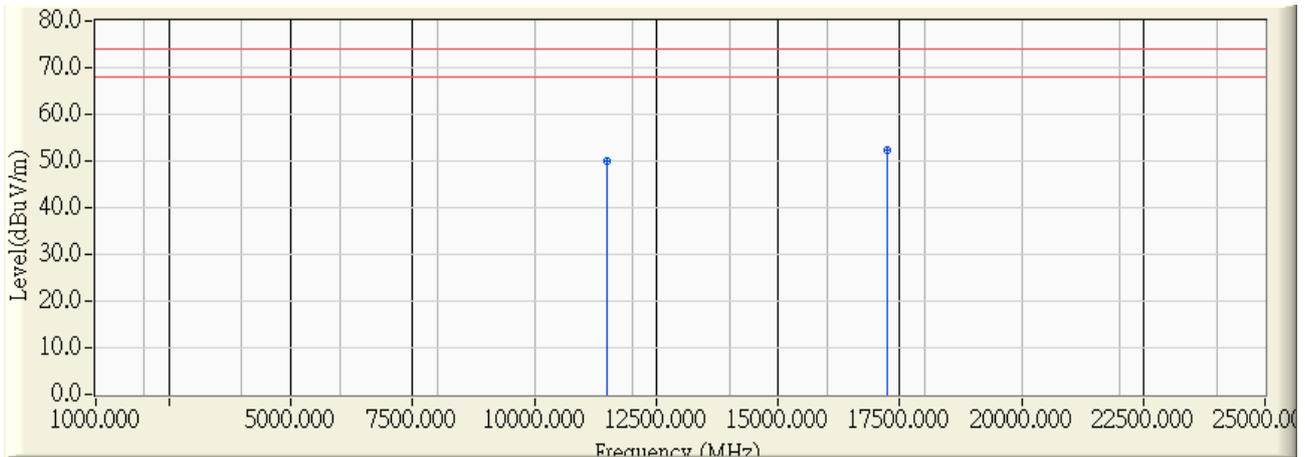


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11485.100	12.138	36.325	48.463	-25.537	54.000	74.000	PEAK
2	* 17238.000	15.753	35.541	51.293	-22.707	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 22:29
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5745MHz,802.11n(20MHz)

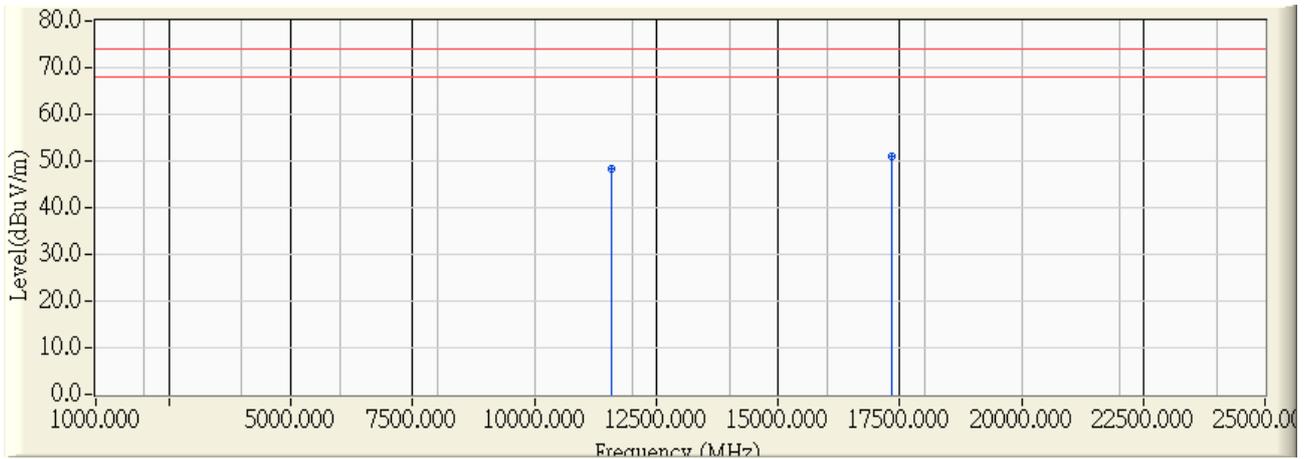


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11489.000	12.137	37.756	49.892	-24.108	54.000	74.000	PEAK
2	* 17235.800	15.743	36.740	52.484	-21.516	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 22:33
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5785MHz,802.11n(20MHz)

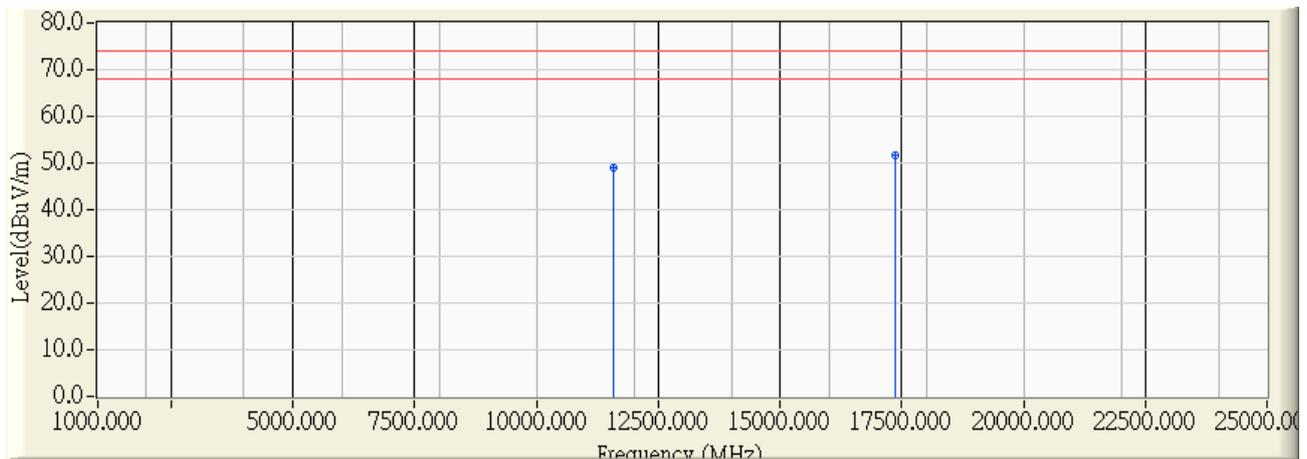


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11574.400	12.044	36.311	48.354	-25.646	54.000	74.000	PEAK
2	* 17352.700	16.219	34.868	51.087	-22.913	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 22:38
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5785MHz,802.11n(20MHz)

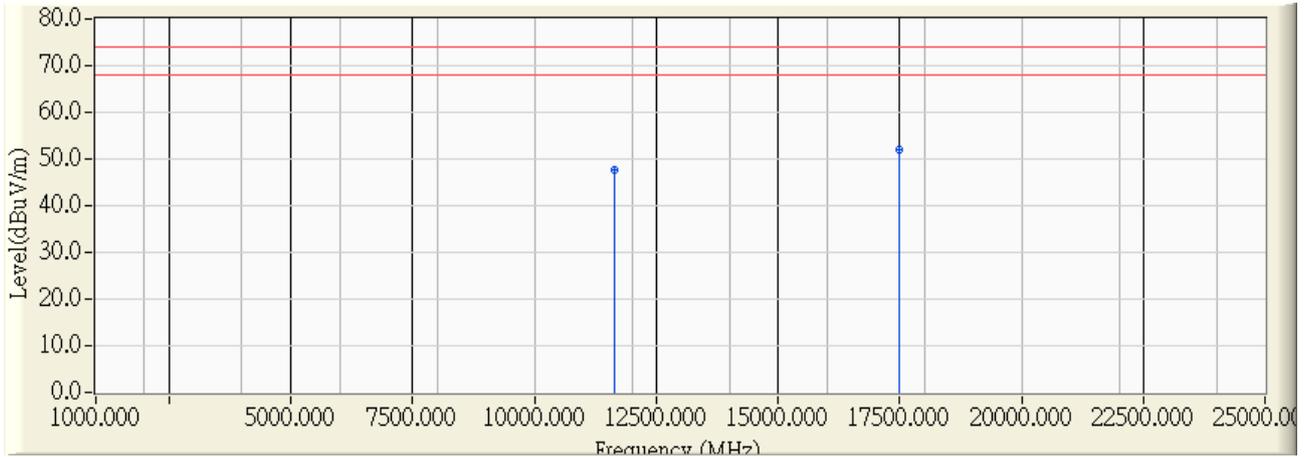


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11575.400	12.043	36.802	48.844	-25.156	54.000	74.000	PEAK
2	* 17357.400	16.238	35.295	51.533	-22.467	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 22:43
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5825MHz,802.11n(20MHz)

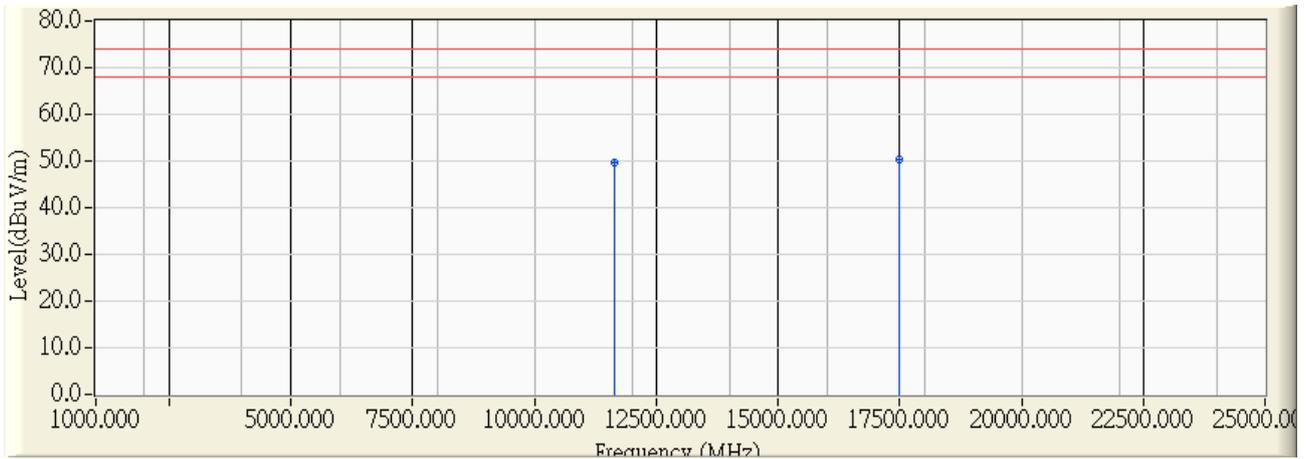


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11661.400	11.943	35.644	47.587	-26.413	54.000	74.000	PEAK
2	* 17487.400	16.767	35.126	51.893	-22.107	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 22:49
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5825MHz,802.11n(20MHz)

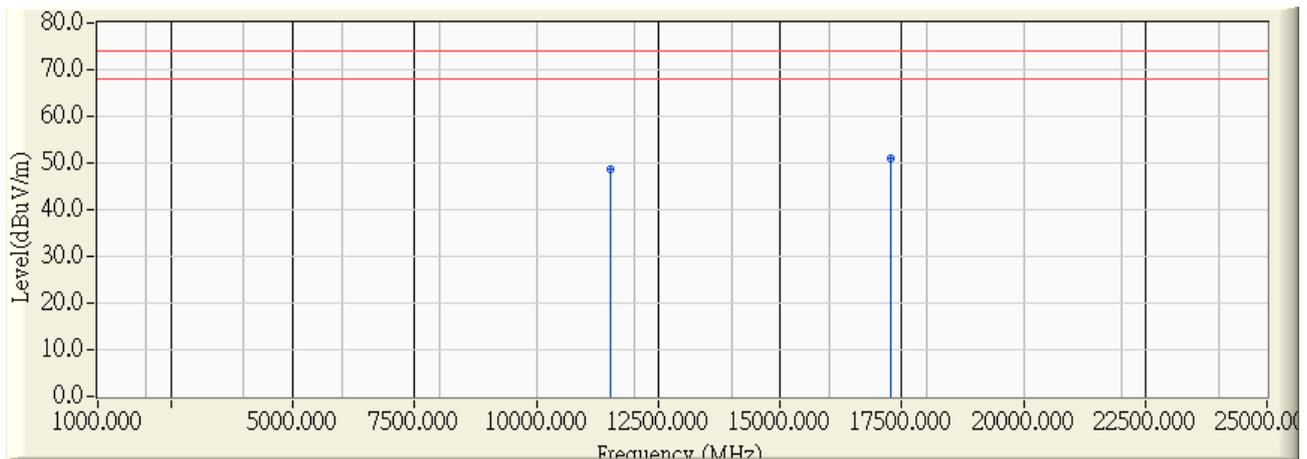


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11652.600	11.952	37.585	49.538	-24.462	54.000	74.000	PEAK
2	* 17477.700	16.727	33.451	50.178	-23.822	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 22:52
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5755MHz,802.11n(40MHz)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11511.500	12.117	36.604	48.720	-25.280	54.000	74.000	PEAK
2	* 17262.300	15.852	35.092	50.943	-23.057	54.000	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 : CB1	Time : 2012/04/24 - 22:56
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5755MHz,802.11n(40MHz)

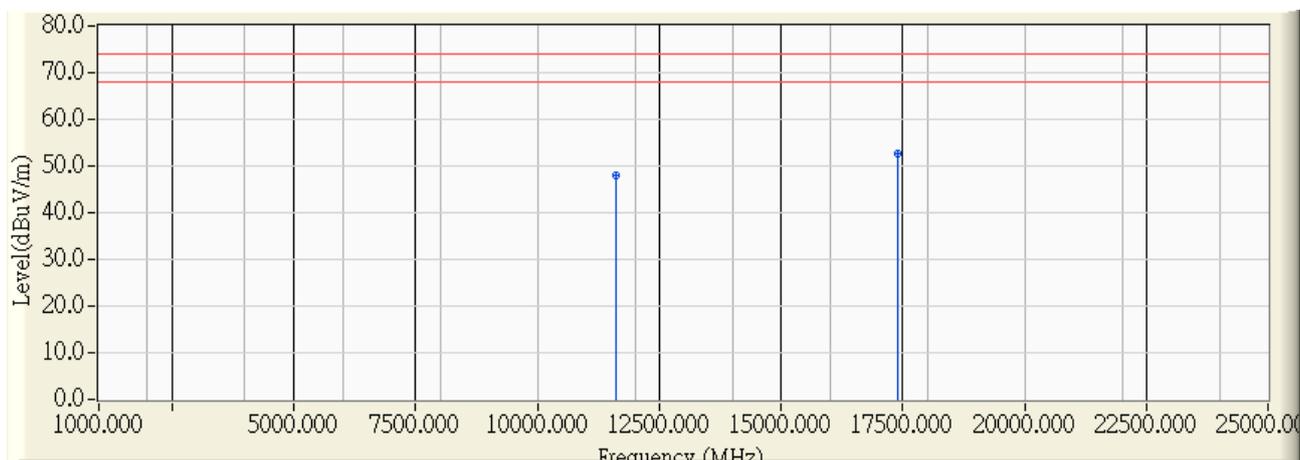


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11509.700	12.118	36.175	48.294	-25.706	54.000	74.000	PEAK
2	* 17267.200	15.871	34.872	50.743	-23.257	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 23:00
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5795MHz,802.11n(40MHz)

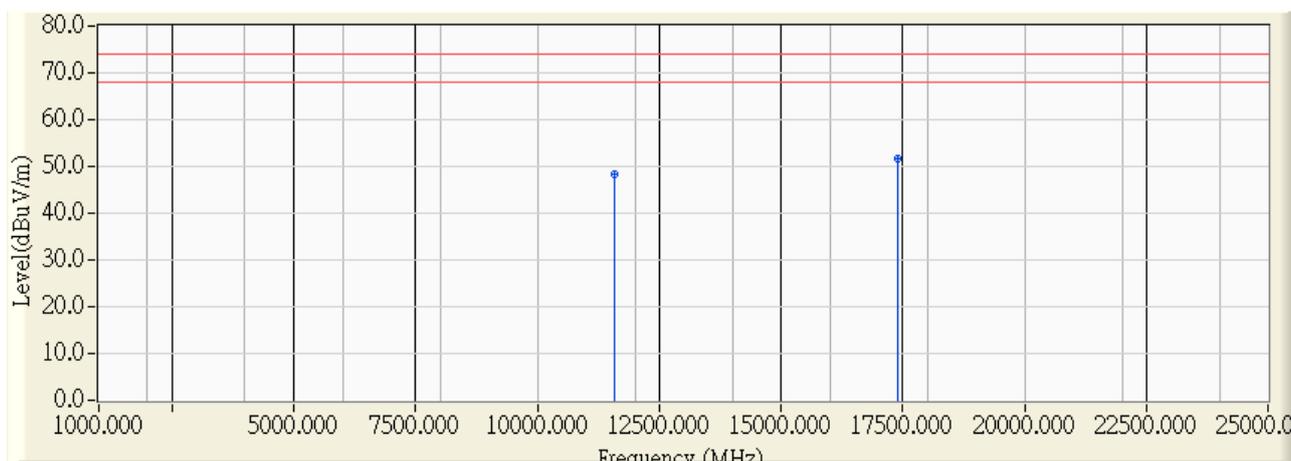


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11601.200	12.013	36.064	48.076	-25.924	54.000	74.000	PEAK
2	* 17388.500	16.365	36.387	52.752	-21.248	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 23:05
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5795MHz,802.11n(40MHz)

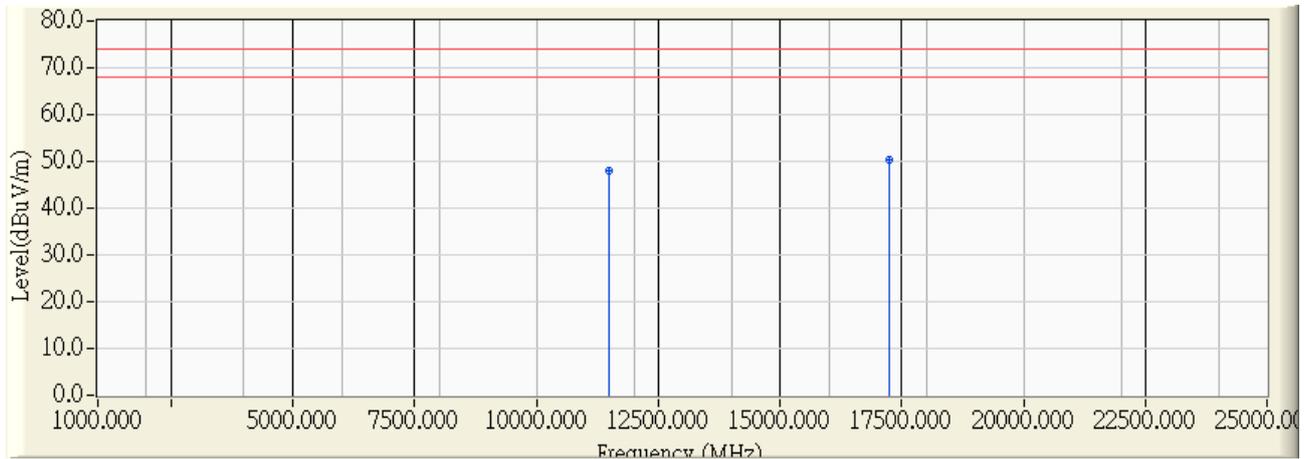


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11589.900	12.025	36.281	48.306	-25.694	54.000	74.000	PEAK
2	* 17387.000	16.358	35.428	51.786	-22.214	54.000	74.000	PEAK

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 : CB1	Time : 2012/05/19 - 12:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5745MHz,802.11ac(20MHz)

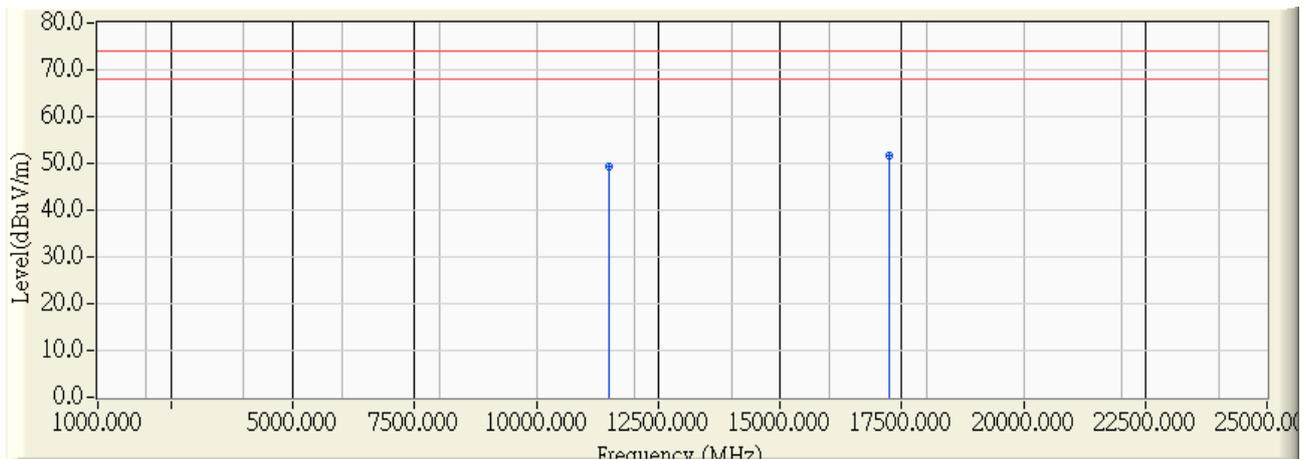


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11484.899	12.138	35.792	47.930	-26.070	54.000	74.000	PEAK
2	* 17238.029	15.753	34.593	50.346	-23.654	54.000	74.000	PEAK

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 : CB1	Time : 2012/05/19 - 12:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5745MHz,802.11ac(20MHz)

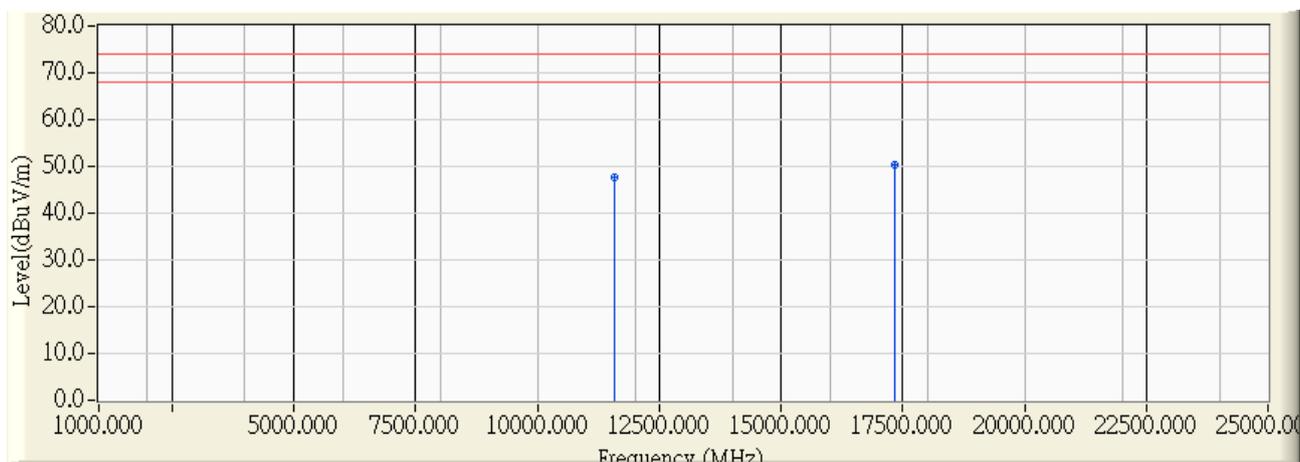


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11488.768	12.137	37.271	49.408	-24.592	54.000	74.000	PEAK
2	* 17235.637	15.743	35.964	51.707	-22.293	54.000	74.000	PEAK

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 : CB1	Time : 2012/05/19 - 12:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5785MHz,802.11ac(20MHz)

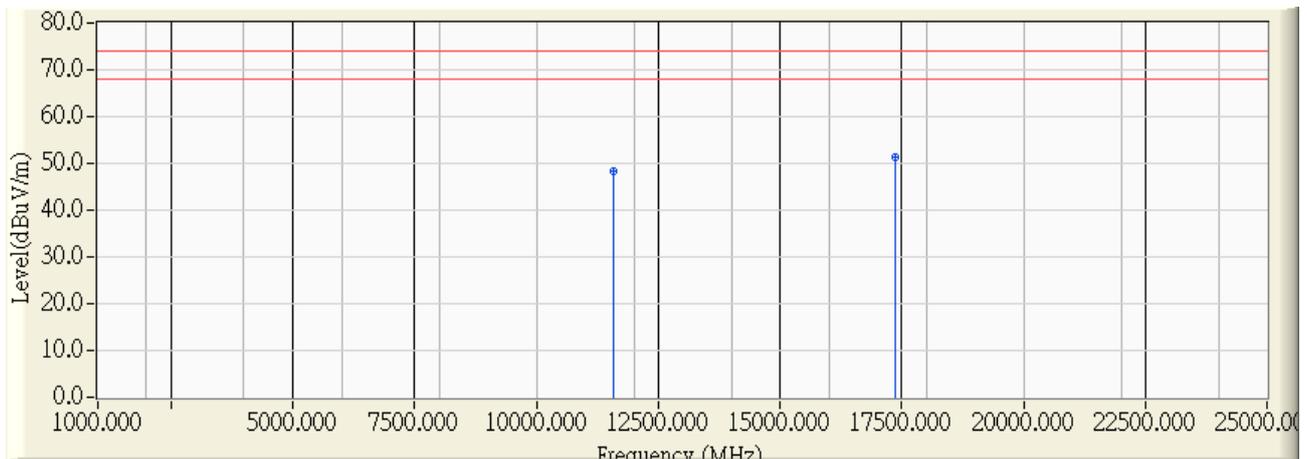


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11574.240	12.044	35.553	47.597	-26.403	54.000	74.000	PEAK
2	* 17352.465	16.219	34.145	50.364	-23.636	54.000	74.000	PEAK

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 : CB1	Time : 2012/05/19 - 12:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5785MHz,802.11ac(20MHz)

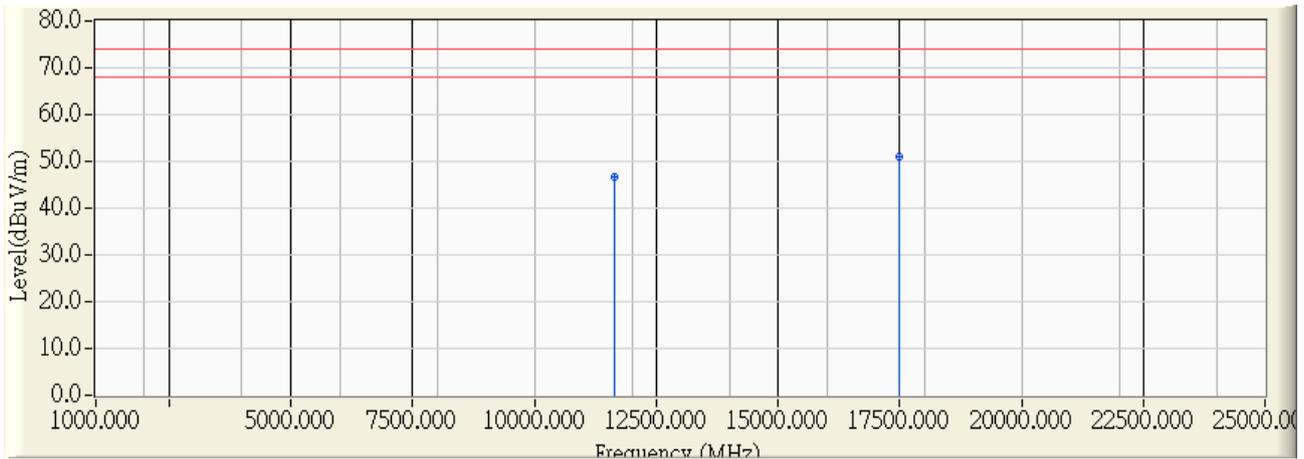


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11575.181	12.043	36.236	48.279	-25.721	54.000	74.000	PEAK
2	* 17357.498	16.238	35.000	51.238	-22.762	54.000	74.000	PEAK

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 : CB1	Time : 2012/05/19 - 12:08
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5825MHz,802.11ac(20MHz)

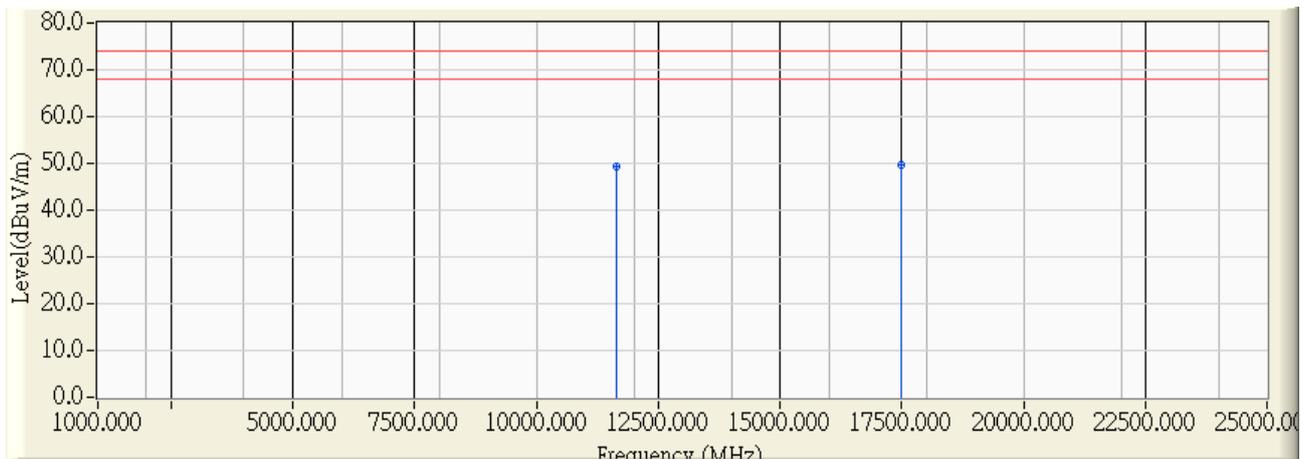


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11661.423	11.943	34.645	46.588	-27.412	54.000	74.000	PEAK
2	* 17487.453	16.767	34.345	51.112	-22.888	54.000	74.000	PEAK

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 : CB1	Time : 2012/05/19 - 12:08
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5825MHz,802.11ac(20MHz)

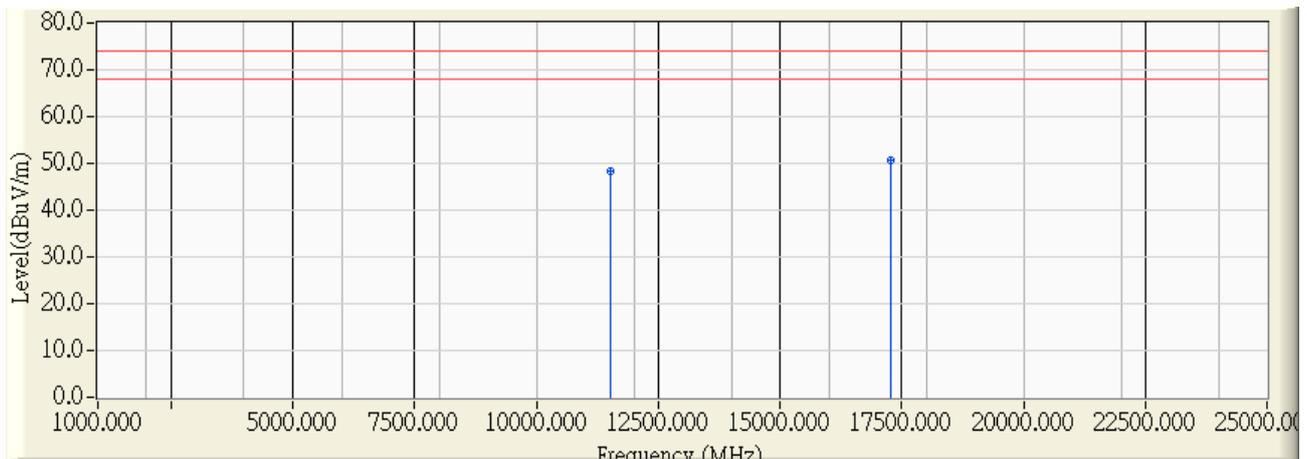


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11652.633	11.952	37.518	49.470	-24.530	54.000	74.000	PEAK
2	* 17477.576	16.727	33.060	49.787	-24.213	54.000	74.000	PEAK

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 : CB1	Time : 2012/05/19 - 12:08
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5755MHz,802.11ac(40MHz)

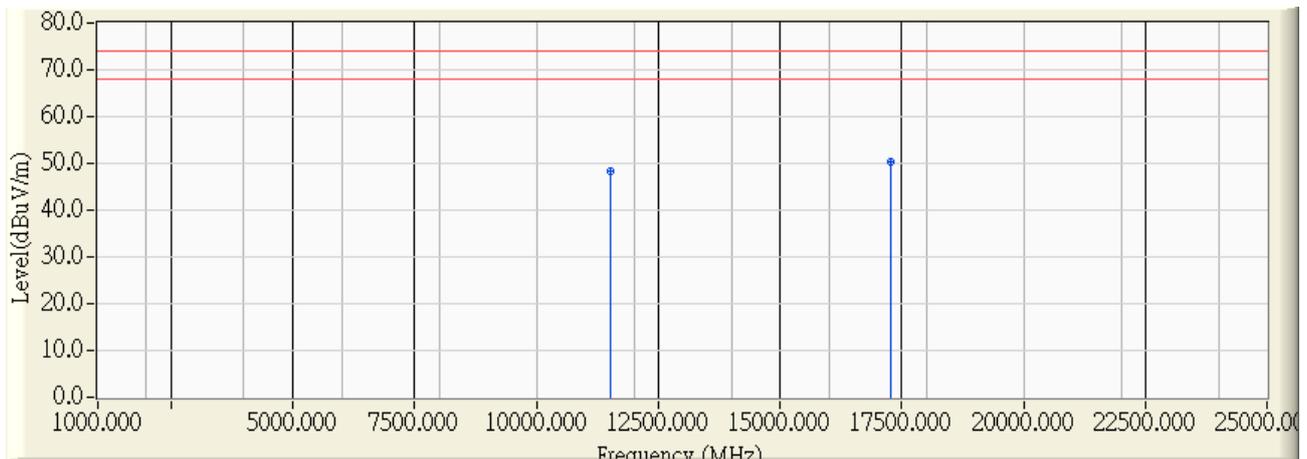


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11511.322	12.117	36.189	48.306	-25.694	54.000	74.000	PEAK
2	* 17262.146	15.852	34.778	51.786	-22.214	54.000	74.000	PEAK

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 : CB1	Time : 2012/05/19 - 12:08
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5755MHz,802.11ac(40MHz)

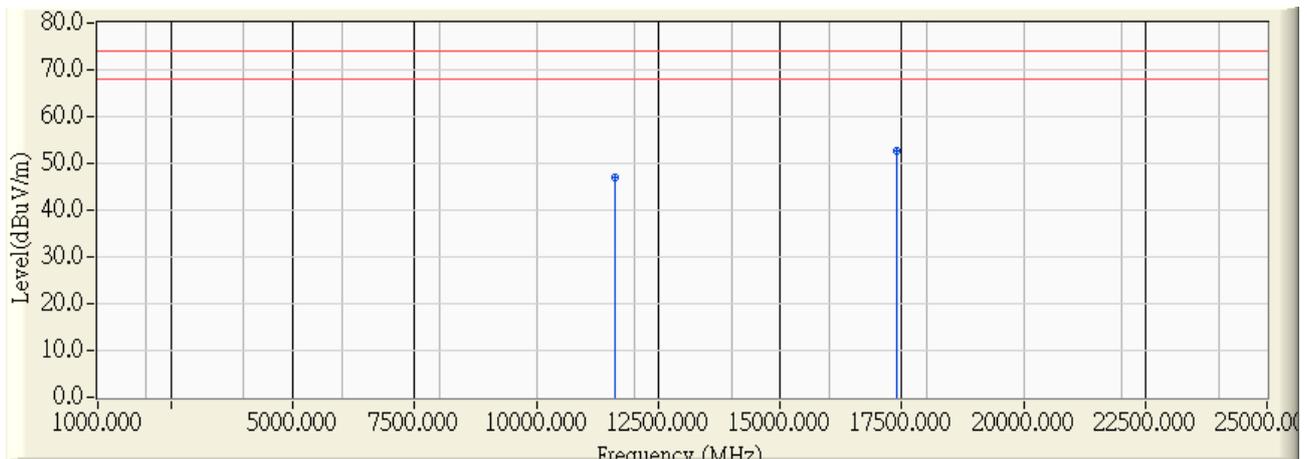


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11509.564	12.118	36.083	48.201	-25.799	54.000	74.000	PEAK
2	* 17267.031	15.871	34.333	50.204	-23.796	54.000	74.000	PEAK

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 : CB1	Time : 2012/05/19 - 12:08
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5795MHz,802.11ac(40MHz)

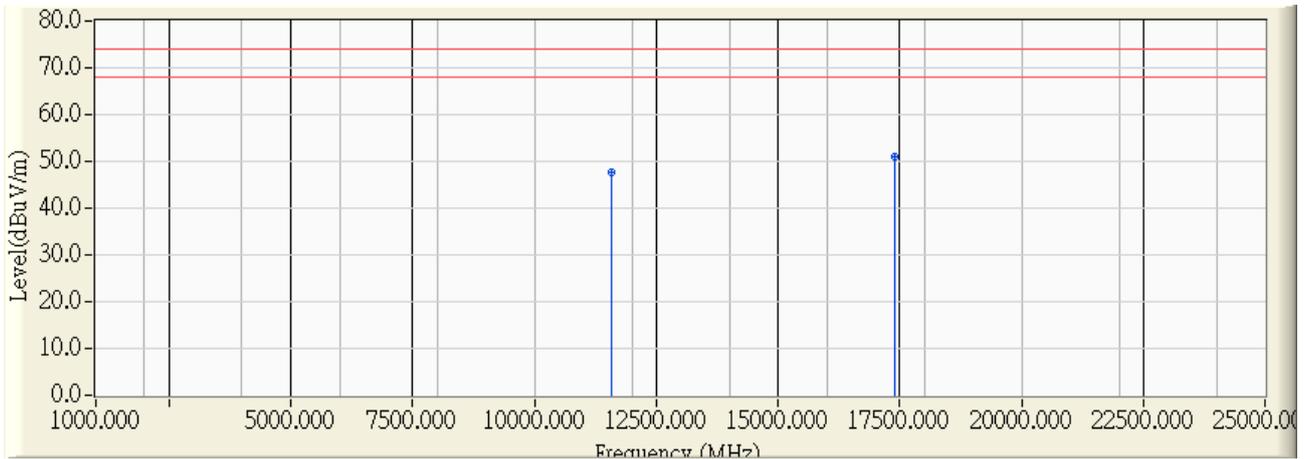


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11601.270	12.013	35.097	47.110	-26.890	54.000	74.000	PEAK
2	* 17388.602	16.365	36.284	52.649	-21.351	54.000	74.000	PEAK

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 : CB1	Time : 2012/05/19 - 12:08
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5795MHz,802.11ac(40MHz)

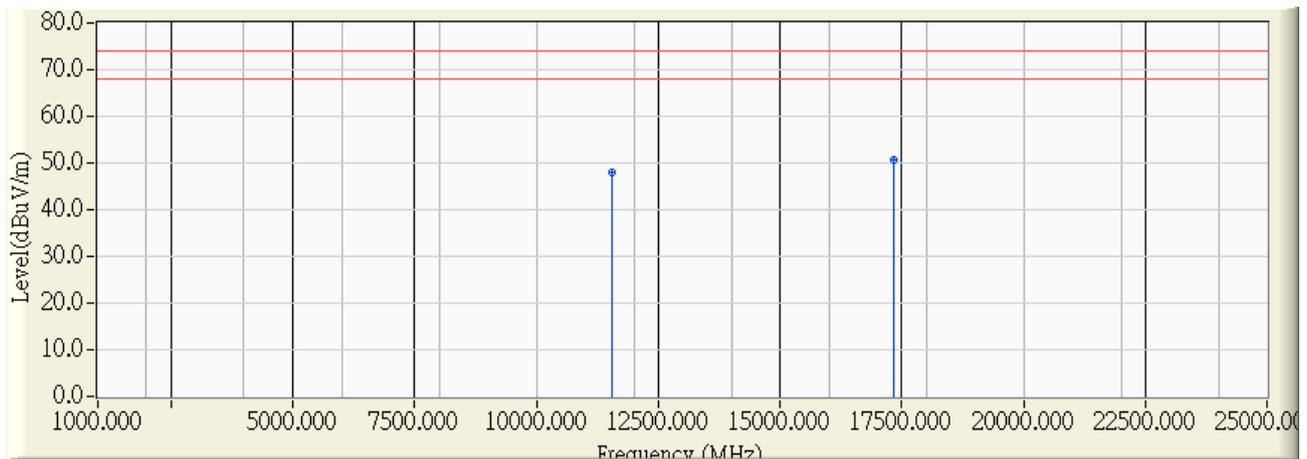


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11590.005	12.025	35.480	47.505	-26.495	54.000	74.000	PEAK
2	* 17387.049	16.358	34.680	51.038	-22.962	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 23:09
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5775MHz,802.11ac(80MHz)

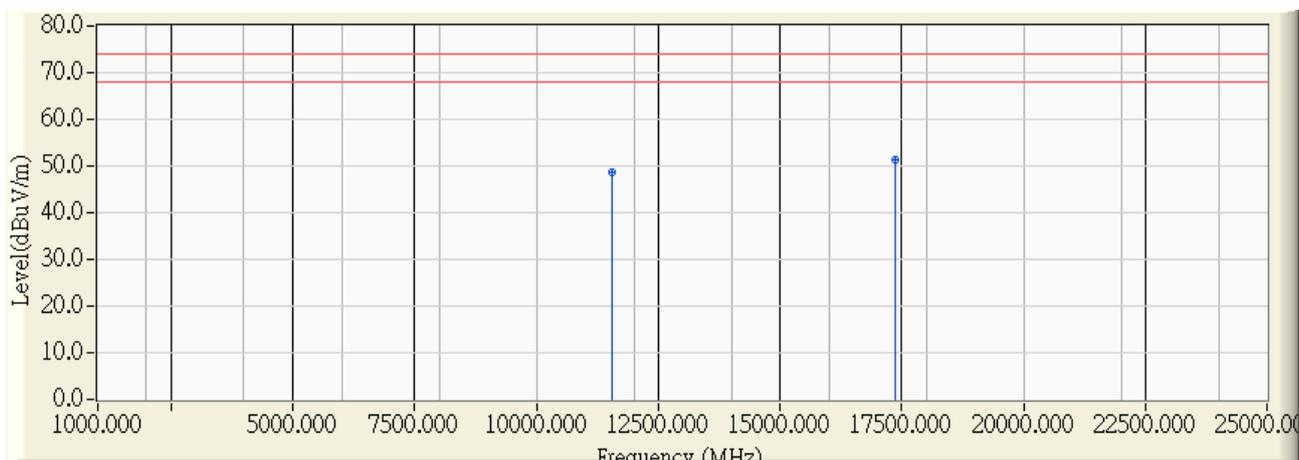


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11568.700	12.050	35.888	47.938	-26.062	54.000	74.000	PEAK
2	* 17353.300	16.221	34.468	50.689	-23.311	54.000	74.000	PEAK

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 : CB1	Time : 2012/04/24 - 23:14
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 5775MHz,802.11ac(80MHz)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11569.100	12.050	36.760	48.810	-25.190	54.000	74.000	PEAK
2	* 17356.900	16.236	35.165	51.401	-22.599	54.000	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.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

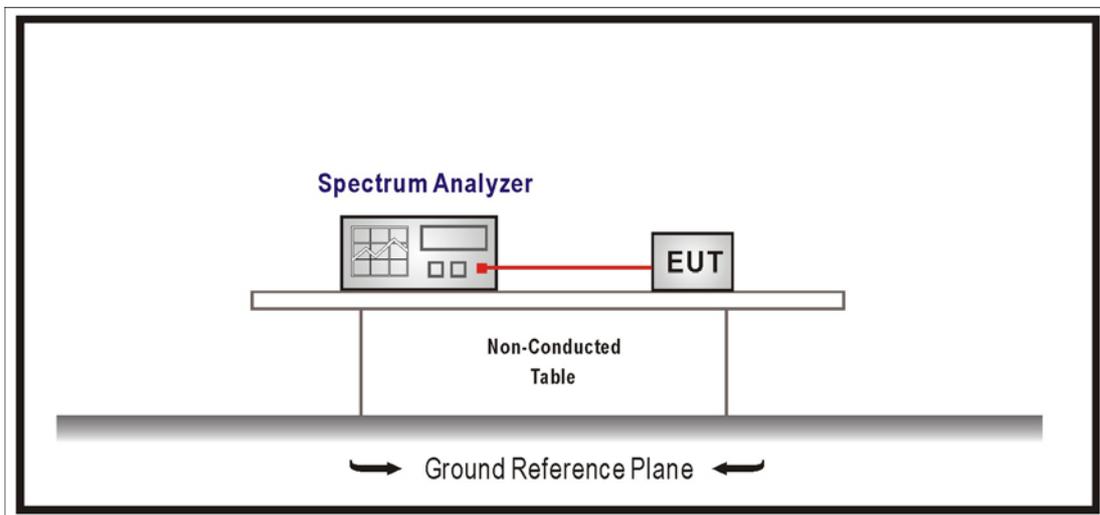
RF antenna conducted test / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2013/02/19

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

5.2. Test Setup

RF Antenna Conducted Measurement:



5.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on an RF conducted or radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

5.6. Uncertainty

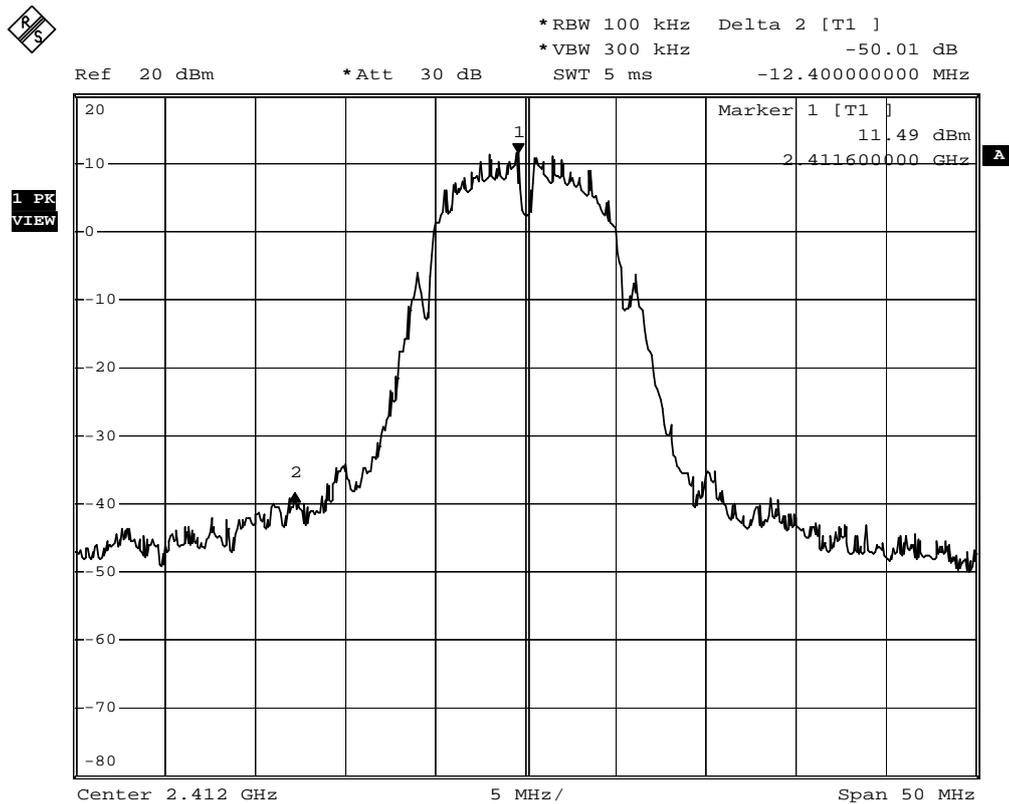
Conducted is defined as ± 1.27 dB

5.7. Test Result

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11b, Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	50.01	≥20	Pass
11	2462	57.96	≥20	Pass

Channel 01 (2412MHz)



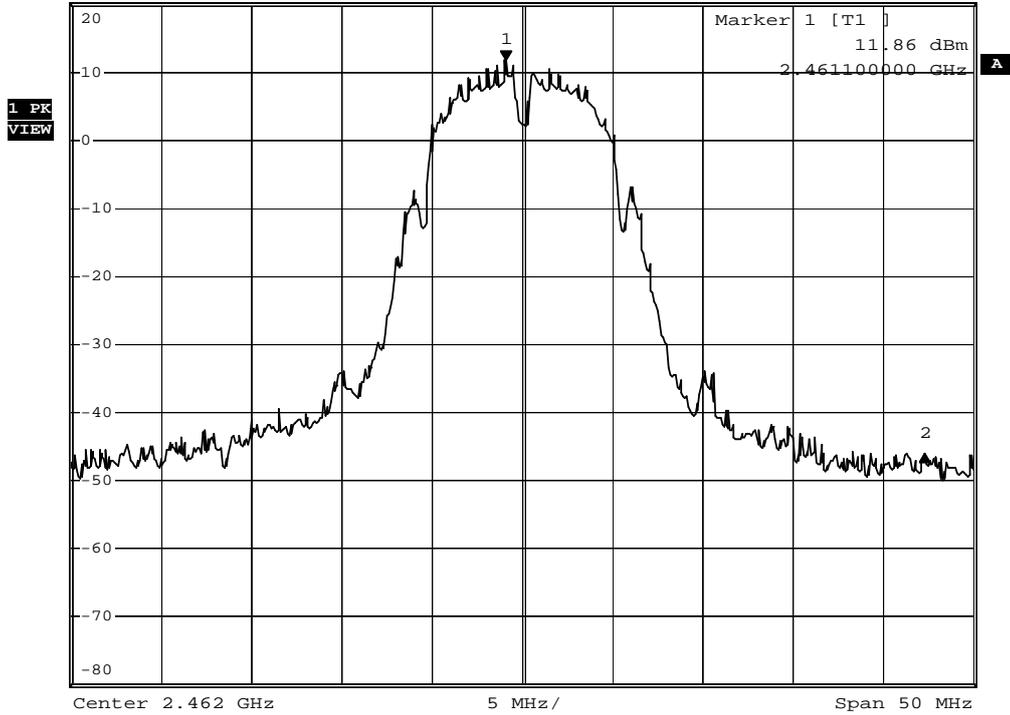
Comment: A:\2
 Date: 10.MAY.2012 18:35:21

Channel 11 (2462MHz)



*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -57.96 dB

Ref 20 dBm *Att 30 dB SWT 5 ms 23.20000000 MHz

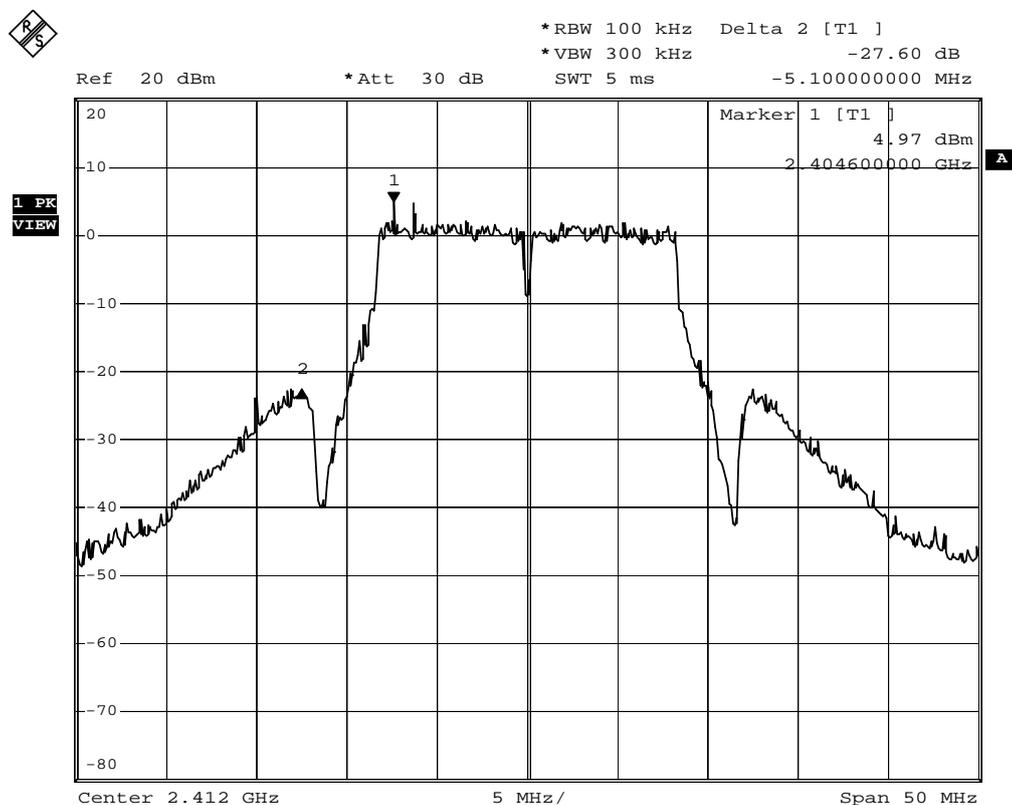


Comment: A:\2
 Date: 10.MAY.2012 18:36:47

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11g, Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	27.60	≥20	Pass
11	2462	47.79	≥20	Pass

Channel 01 (2412MHz)



Comment: A:\2
 Date: 10.MAY.2012 18:41:57

Channel 11 (2462MHz)

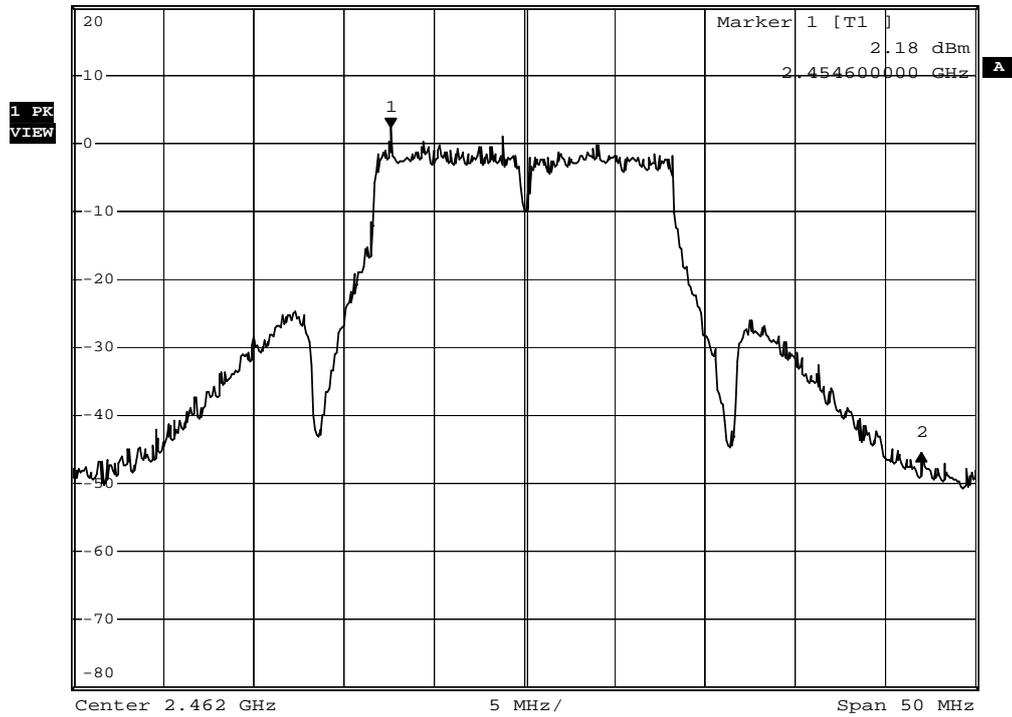


*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -47.79 dB
 SWT 5 ms 29.40000000 MHz

Ref 20 dBm

*Att 30 dB

29.40000000 MHz



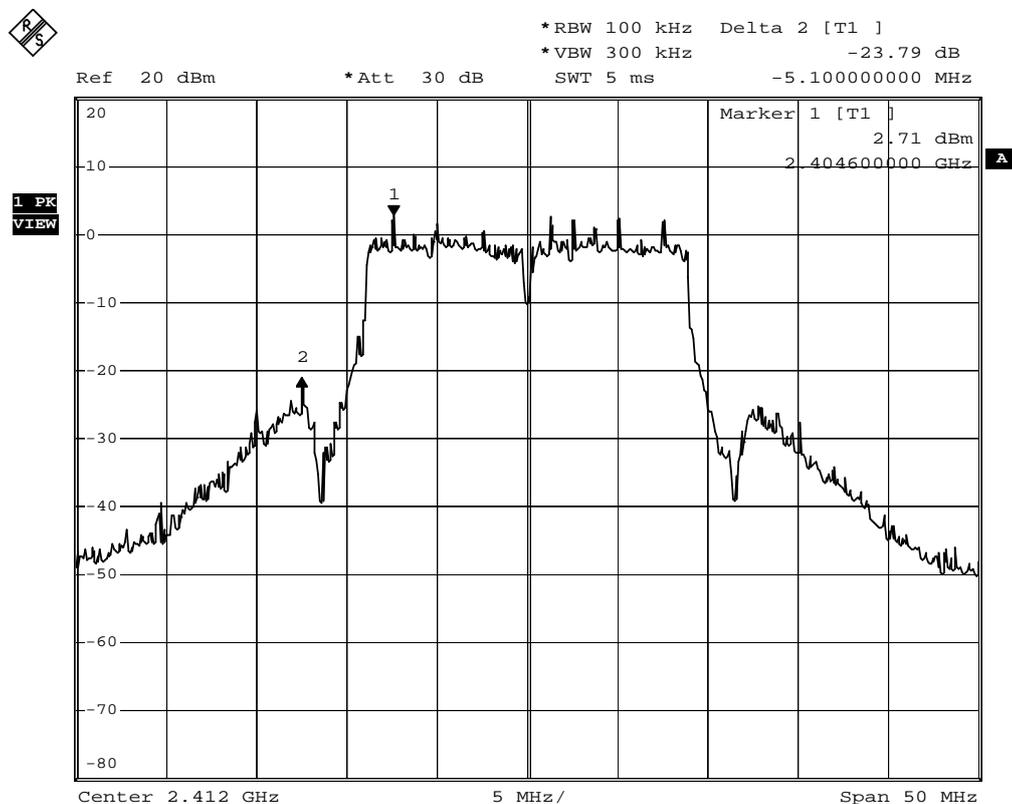
Comment: A:\2

Date: 10.MAY.2012 18:43:10

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

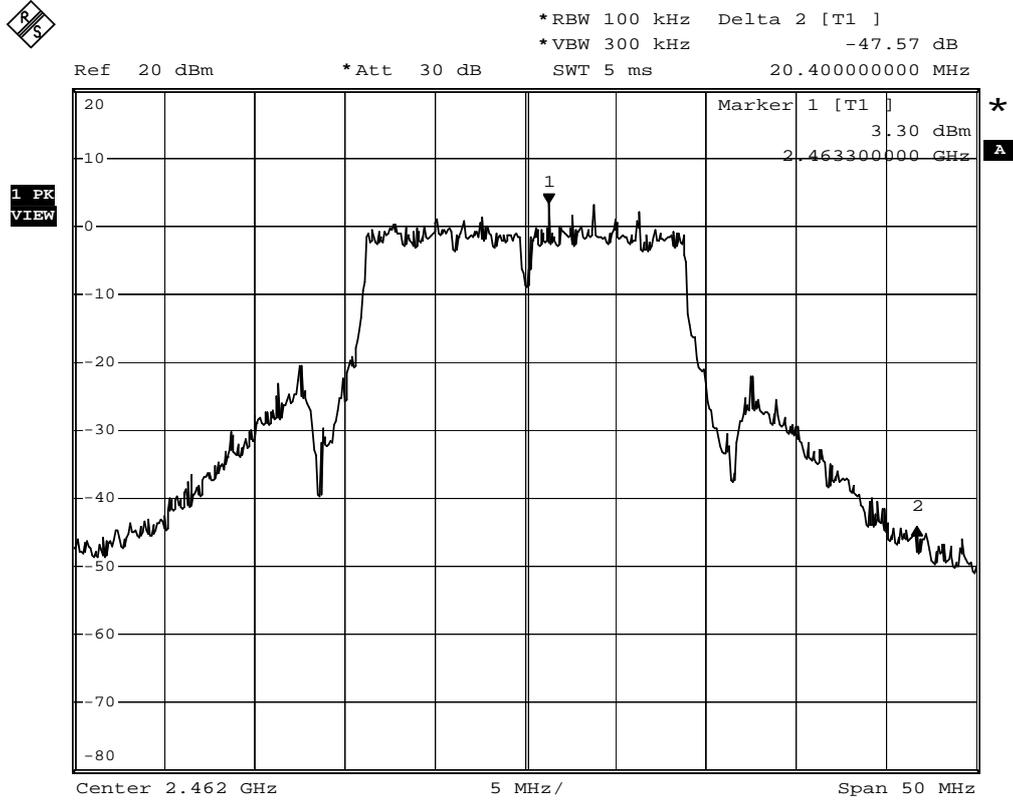
IEEE 802.11n (20MHz), (ANT 0) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	23.79	≥20	Pass
11	2462	47.57	≥20	Pass

Channel 1 (2412MHz)



Comment: A:\2
 Date: 10.MAY.2012 18:50:36

Channel 11 (2462MHz)

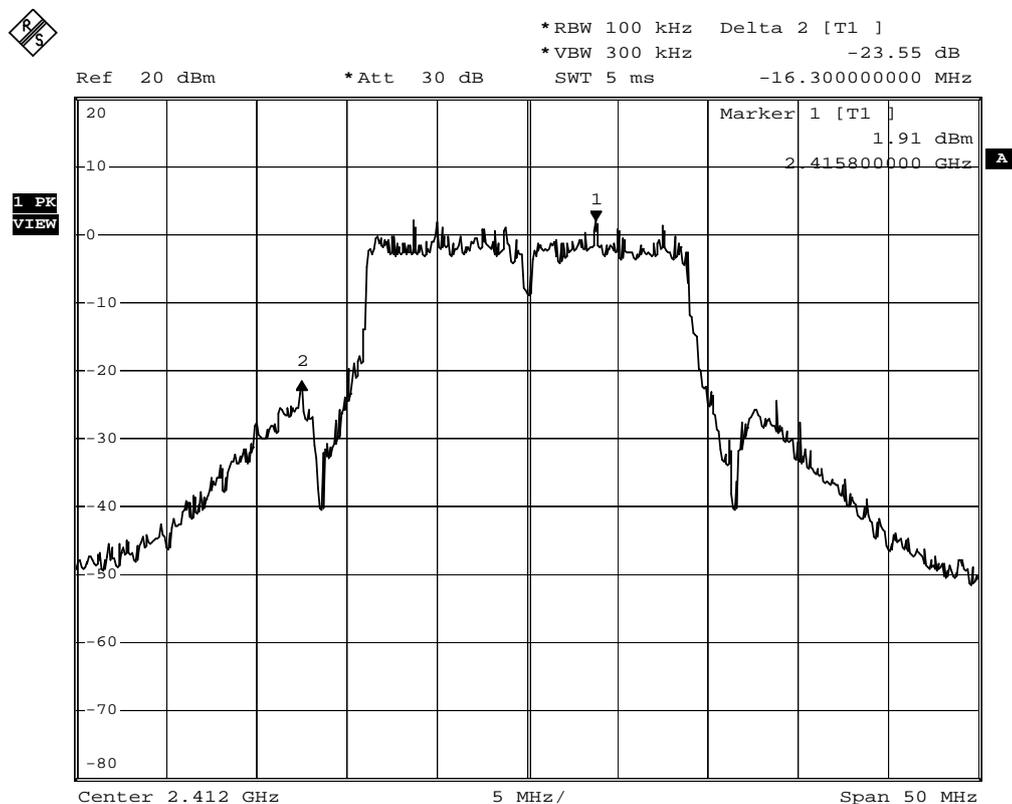


Comment: A:\2
 Date: 10.MAY.2012 18:51:20

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

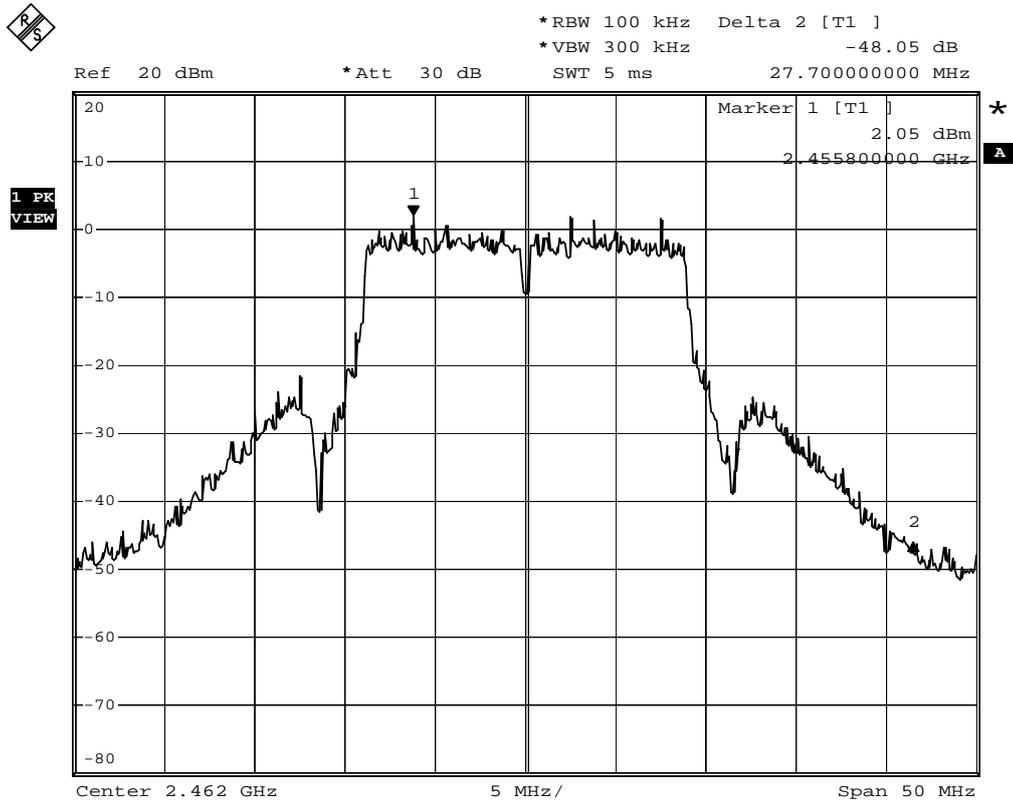
IEEE 802.11n (20MHz), (ANT 1) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	23.55	≥20	Pass
11	2462	48.05	≥20	Pass

Channel 1 (2412MHz)



Comment: A:\2
 Date: 10.MAY.2012 18:54:57

Channel 11 (2462MHz)

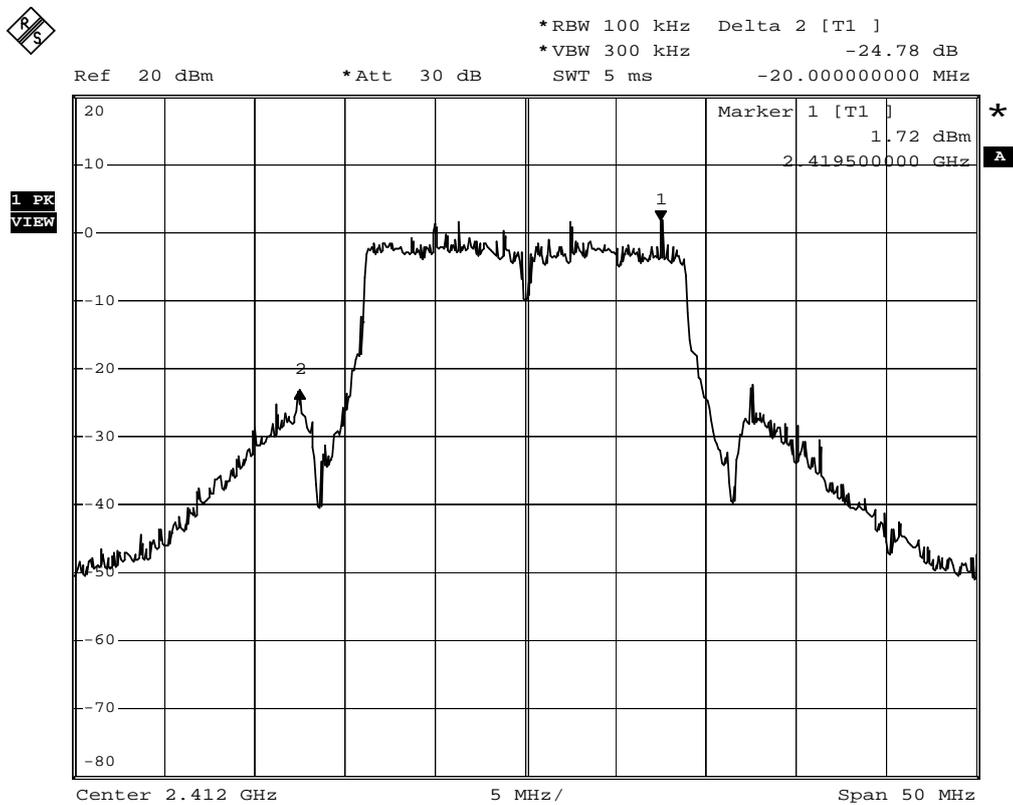


Comment: A:\2
Date: 10.MAY.2012 18:54:17

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

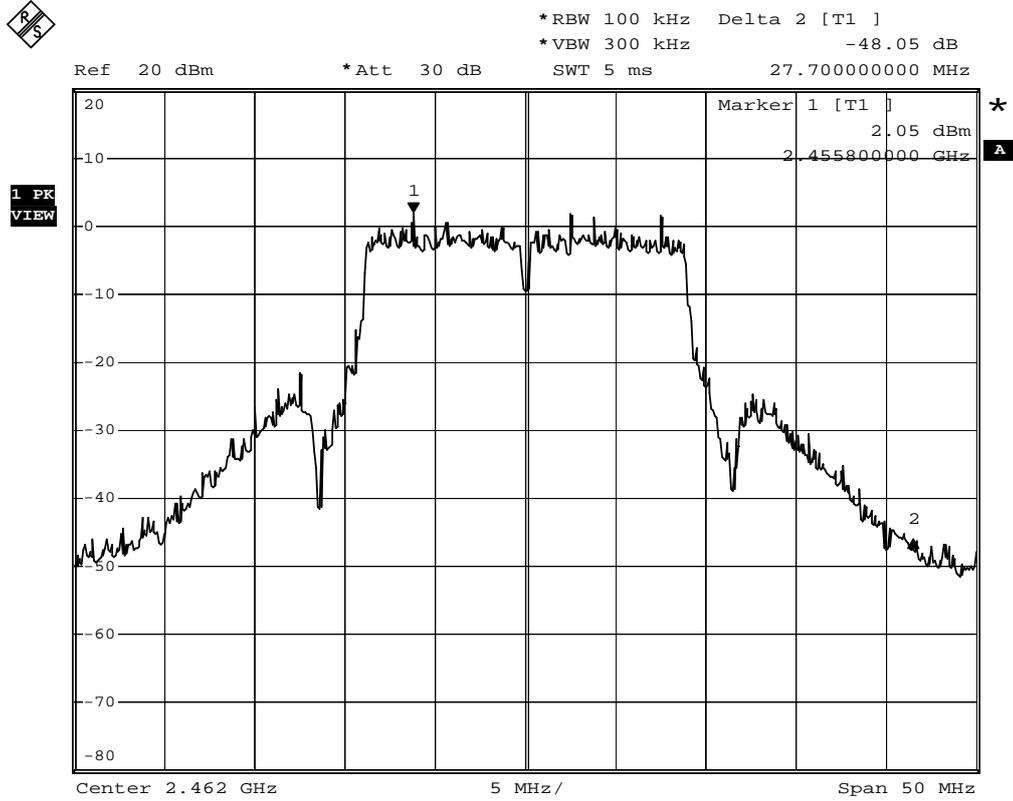
IEEE 802.11n (20MHz), (ANT 2) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	24.78	≥20	Pass
11	2462	48.43	≥20	Pass

Channel 1 (2412MHz)



Comment: A:\2
 Date: 10.MAY.2012 18:58:57

Channel 11 (2462MHz)

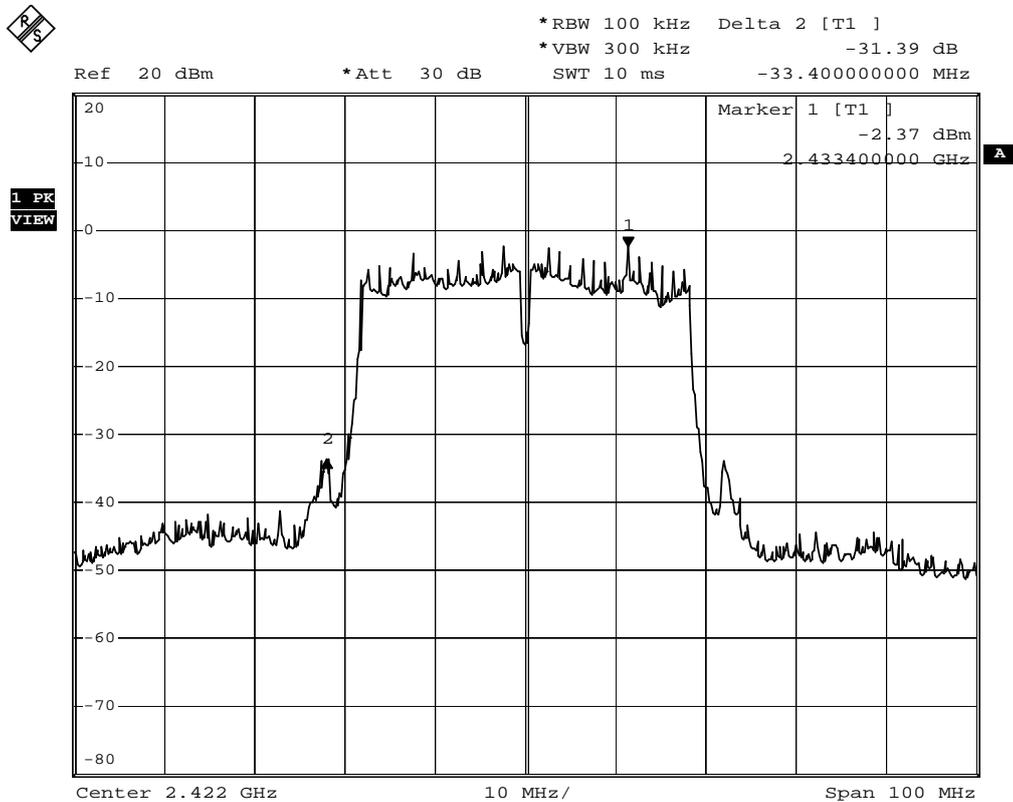


Comment: A:\2
Date: 10.MAY.2012 18:54:17

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	31.39	≥20	Pass
9	2452	43.87	≥20	Pass

Channel 3 (2422MHz)



Comment: A:\2
 Date: 10.MAY.2012 19:11:30

Channel 9 (2452MHz)



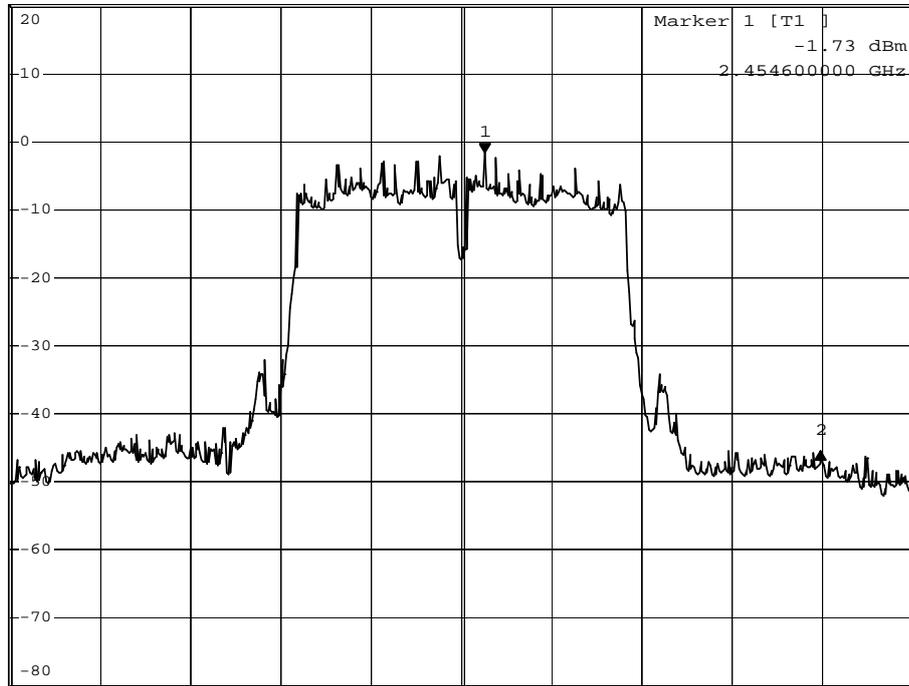
*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -43.87 dB
SWT 10 ms 37.10000000 MHz

Ref 20 dBm

*Att 30 dB

37.10000000 MHz

1 PK
VIEW



Center 2.452 GHz

10 MHz/

Span 100 MHz

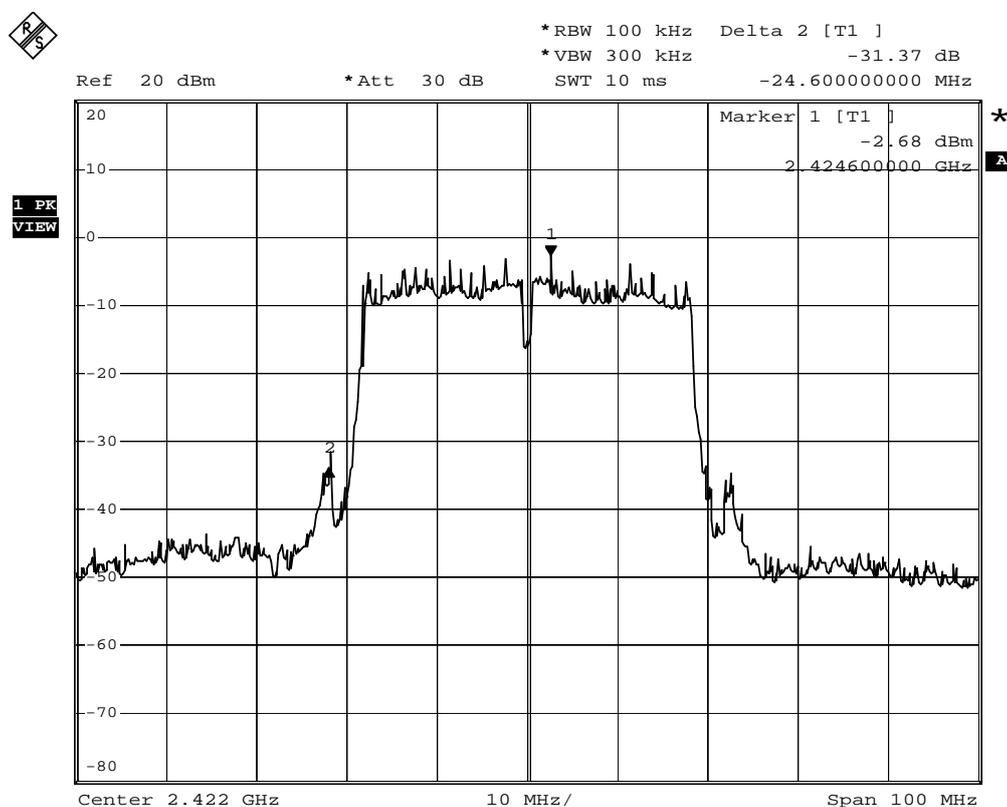
Comment: A:\2

Date: 10.MAY.2012 19:10:12

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

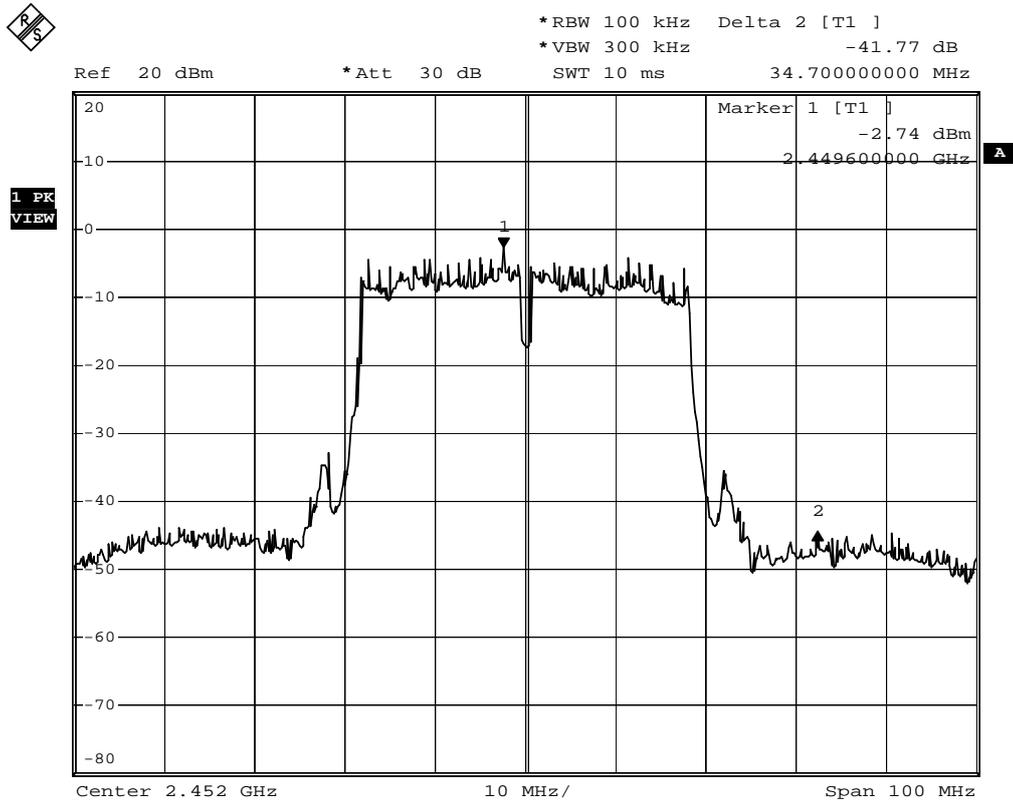
IEEE 802.11n (40MHz), (ANT 1), Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	31.37	≥20	Pass
9	2452	41.77	≥20	Pass

Channel 3 (2422MHz)



Comment: A:\2
 Date: 10.MAY.2012 19:07:00

Channel 9 (2452MHz)

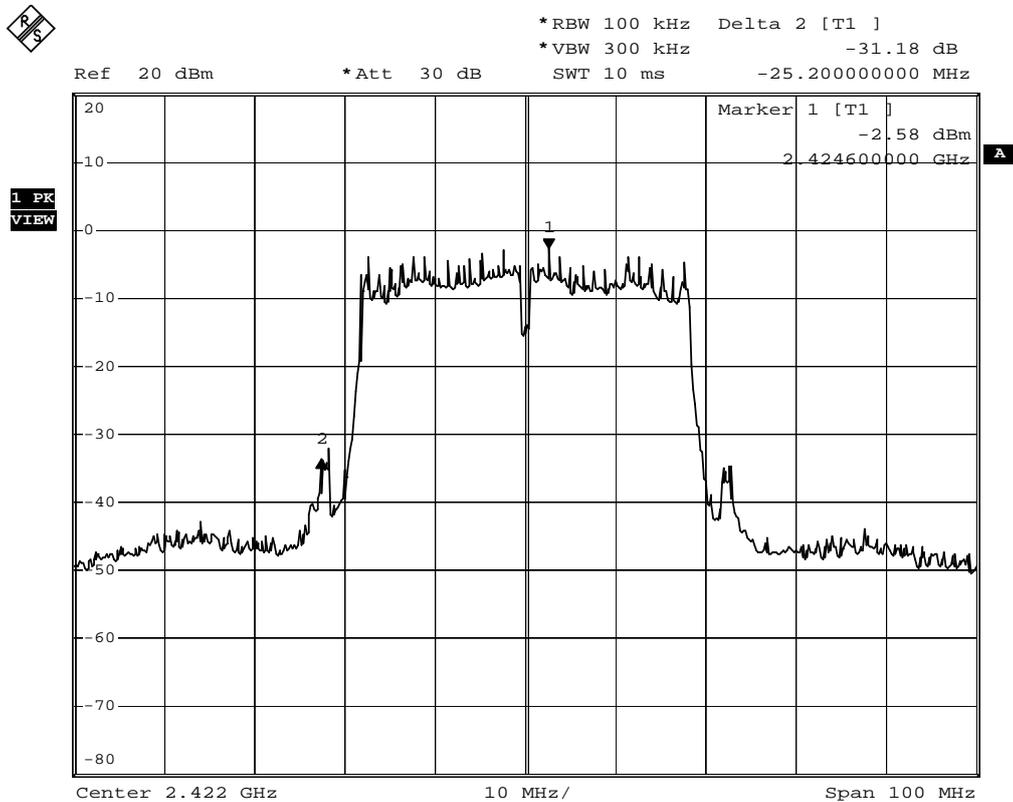


Comment: A:\2
Date: 10.MAY.2012 19:07:38

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

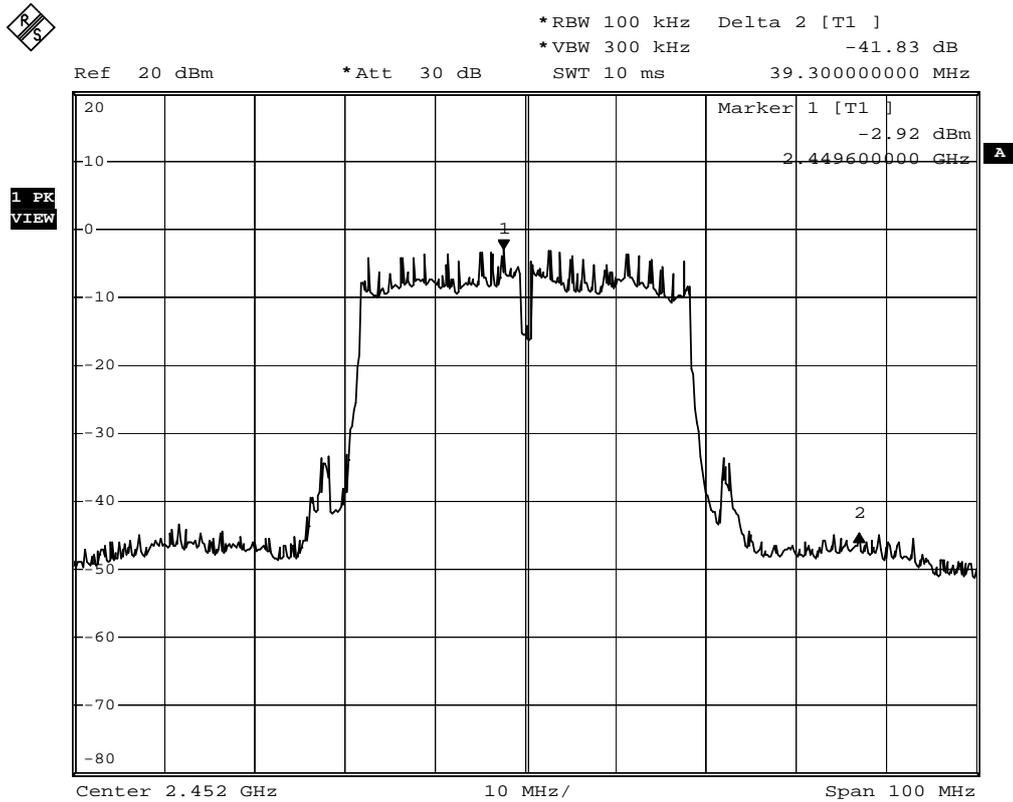
IEEE 802.11n (40MHz), (ANT 2) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	31.18	≥20	Pass
9	2452	41.83	≥20	Pass

Channel 3 (2422MHz)



Comment: A:\2
 Date: 10.MAY.2012 19:02:43

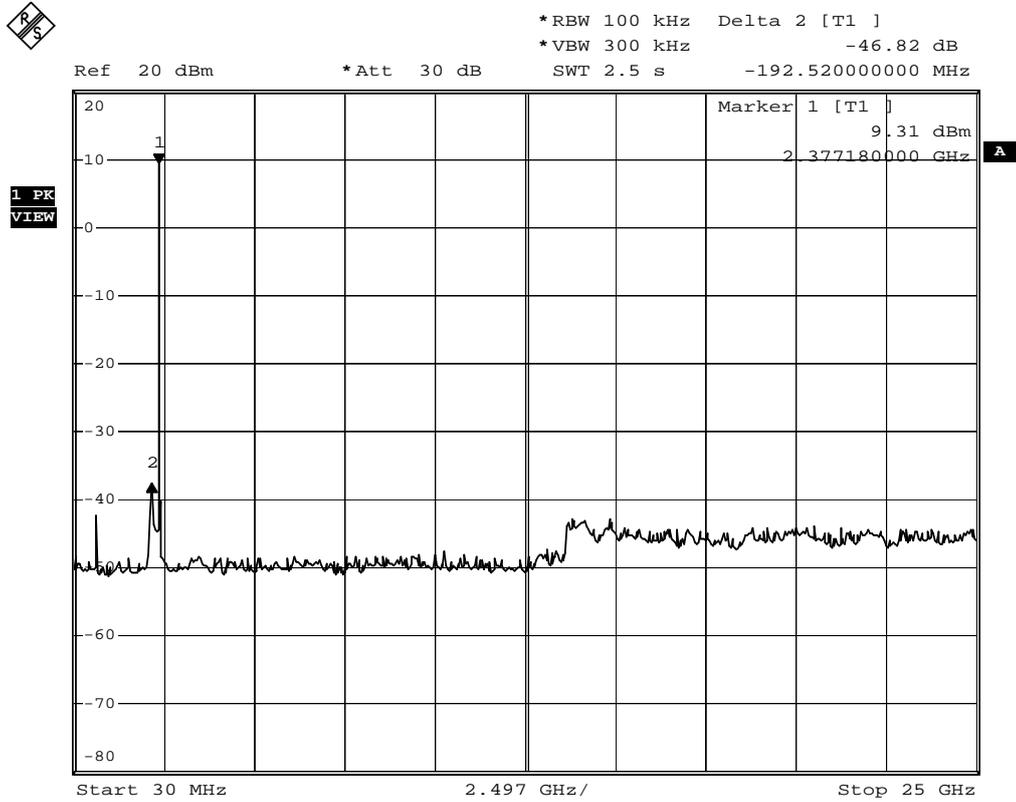
Channel 9 (2452MHz)



Comment: A:\2
 Date: 10.MAY.2012 19:01:56

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

2412MHz (30MHz-25GHz)-802.11b



Comment: A:\2
 Date: 10.MAY.2012 18:39:19

2412MHz (30MHz-25GHz)-802.11g

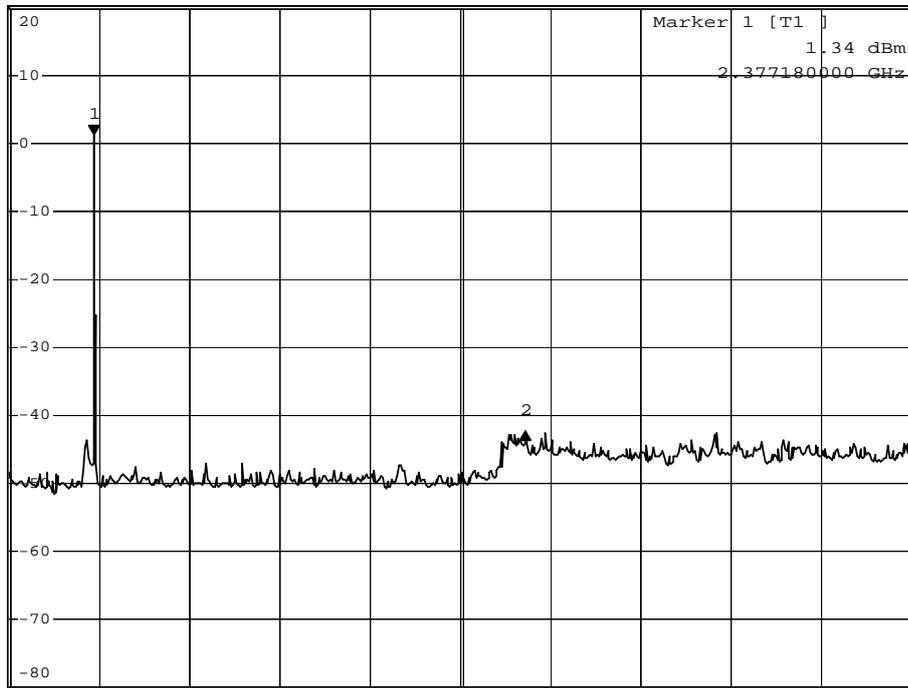


*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -43.73 dB
 SWT 2.5 s 11.942900000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Marker	1 [T1]
	1.34 dBm
	2.377180000 GHz

Start 30 MHz

2.497 GHz/

Stop 25 GHz

Comment: A:\2

Date: 10.MAY.2012 18:41:20

2462MHz (30MHz-25GHz) -802.11g

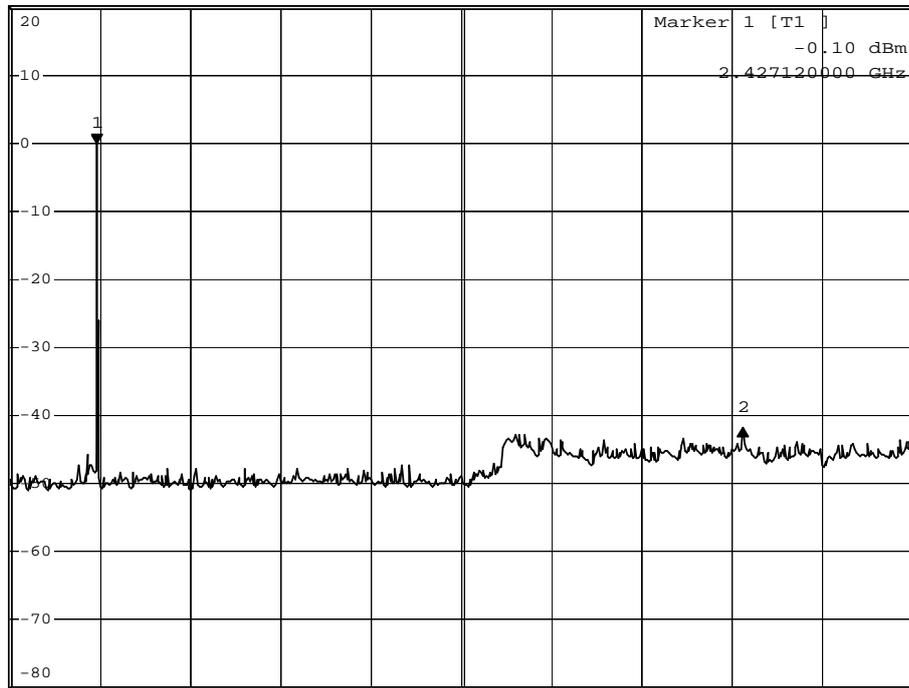


*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -41.83 dB
SWT 2.5 s 17.885460000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Start 30 MHz

2.497 GHz/

Stop 25 GHz

Comment: A:\2

Date: 10.MAY.2012 18:43:44

2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0



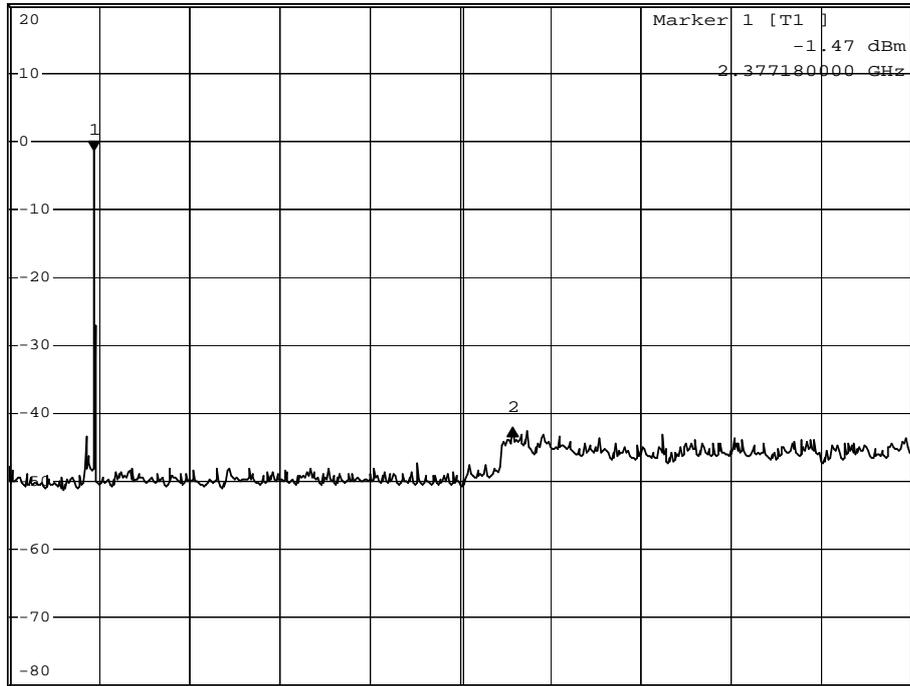
*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -40.54 dB
SWT 2.5 s 11.593020000 GHz

Ref 20 dBm

*Att 30 dB

11.593020000 GHz

1 PK
VIEW



Start 30 MHz

2.497 GHz/

Stop 25 GHz

Marker	1 [T1]
	-1.47 dBm
2	2.377180000 GHz

Comment: A:\2

Date: 10.MAY.2012 18:49:52

2462MHz (30MHz-25GHz) -802.11n(20MHz)-ANT 0

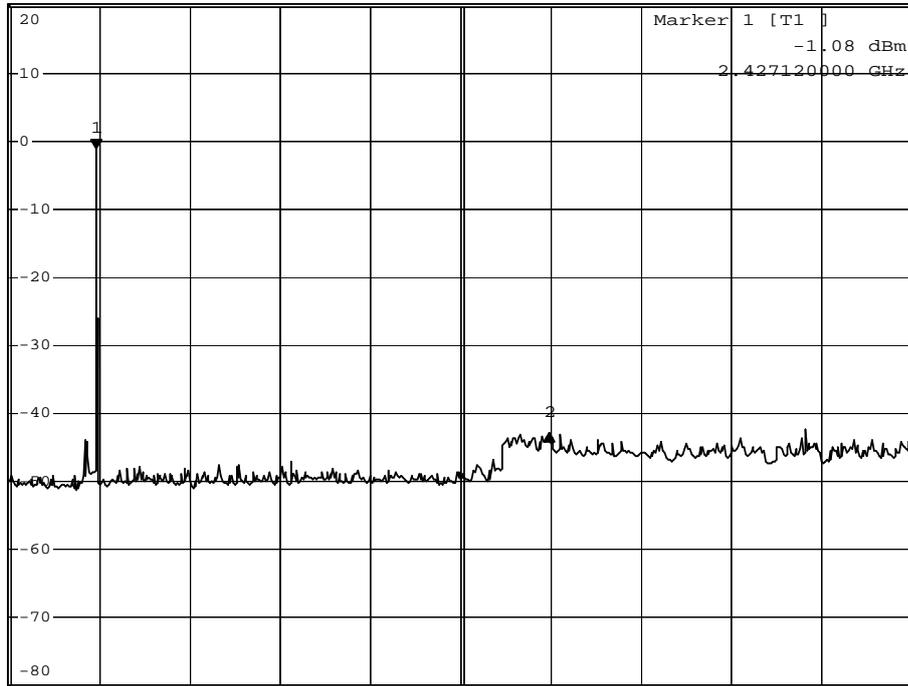


*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -41.91 dB
SWT 2.5 s 12.541580000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Comment: A:\2
Date: 10.MAY.2012 18:52:11

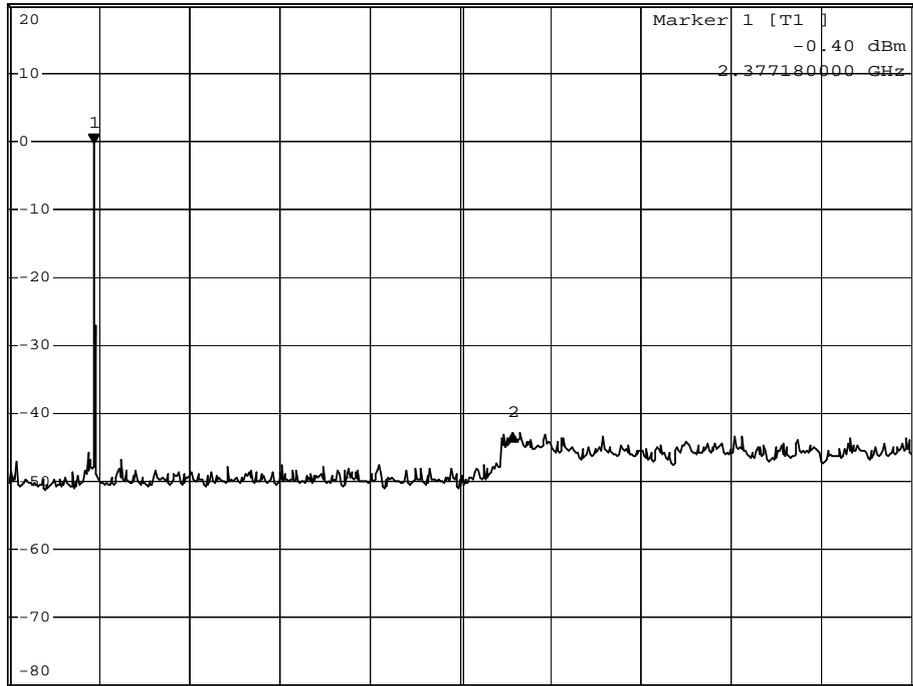
2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 1



*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -42.49 dB
SWT 2.5 s 11.608400000 GHz

Ref 20 dBm *Att 30 dB

1 PK VIEW



Marker	1 [T1]
	-0.40 dBm
	2.377180000 GHz

Start 30 MHz 2.497 GHz/ Stop 25 GHz

Comment: A:\2
Date: 10.MAY.2012 18:55:35

2462MHz (30MHz-25GHz) -802.11n(20MHz)-ANT 1

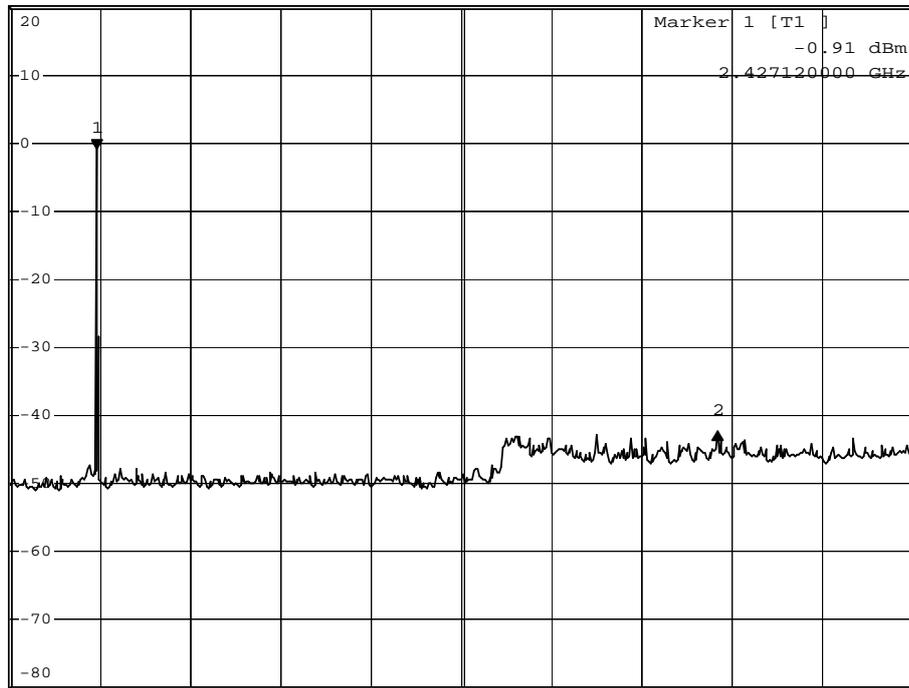


*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -41.41 dB
SWT 2.5 s 17.186000000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Comment: A:\2

Date: 10.MAY.2012 18:53:51

2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 2



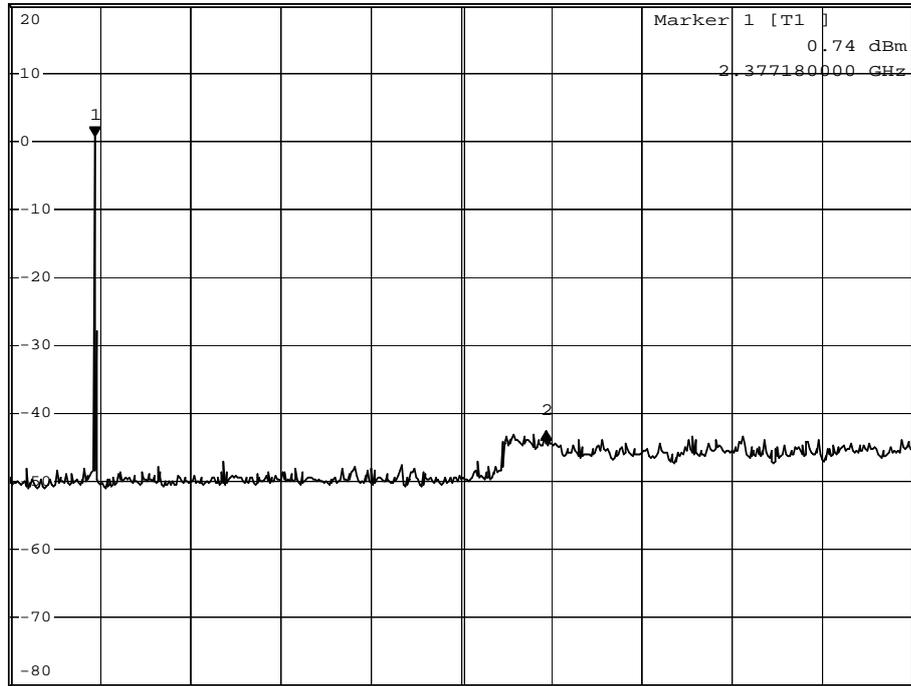
*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -43.34 dB
SWT 2.5 s 12.507320000 GHz

Ref 20 dBm

*Att 30 dB

12.507320000 GHz

1 PK
VIEW



Start 30 MHz

2.497 GHz/

Stop 25 GHz

Comment: A:\2

Date: 10.MAY.2012 18:58:31

2462MHz (30MHz-25GHz) -802.11n(20MHz)-ANT 2

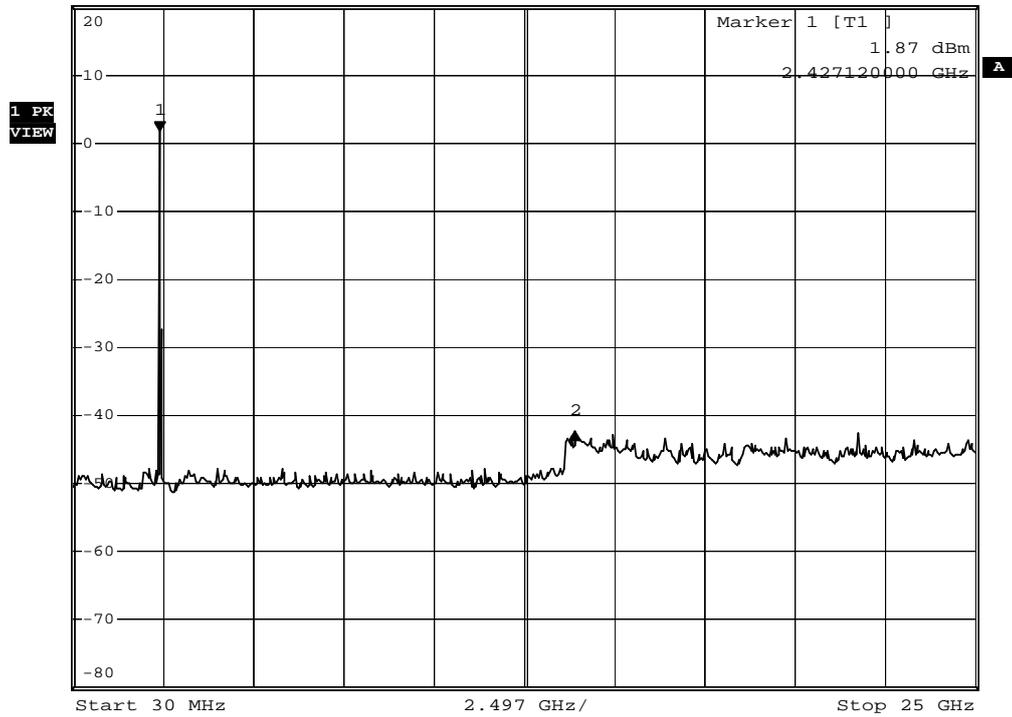


*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -44.20 dB
SWT 2.5 s 11.493140000 GHz

Ref 20 dBm

*Att 30 dB

11.493140000 GHz



Comment: A:\2

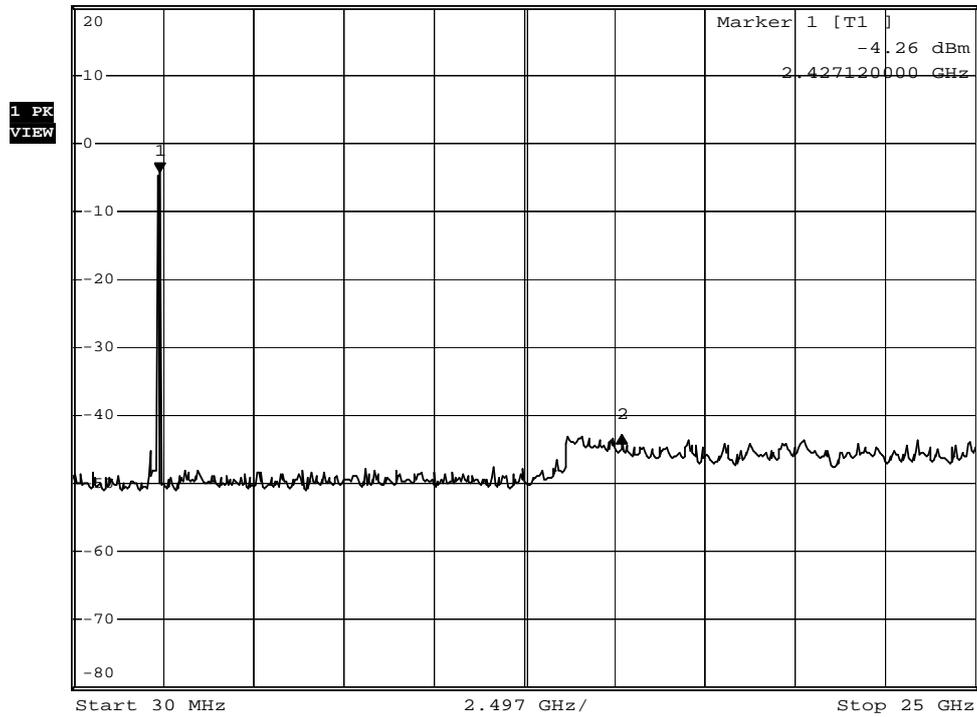
Date: 10.MAY.2012 19:00:14

2422MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 0



*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -38.48 dB
SWT 2.5 s 12.807460000 GHz

Ref 20 dBm *Att 30 dB



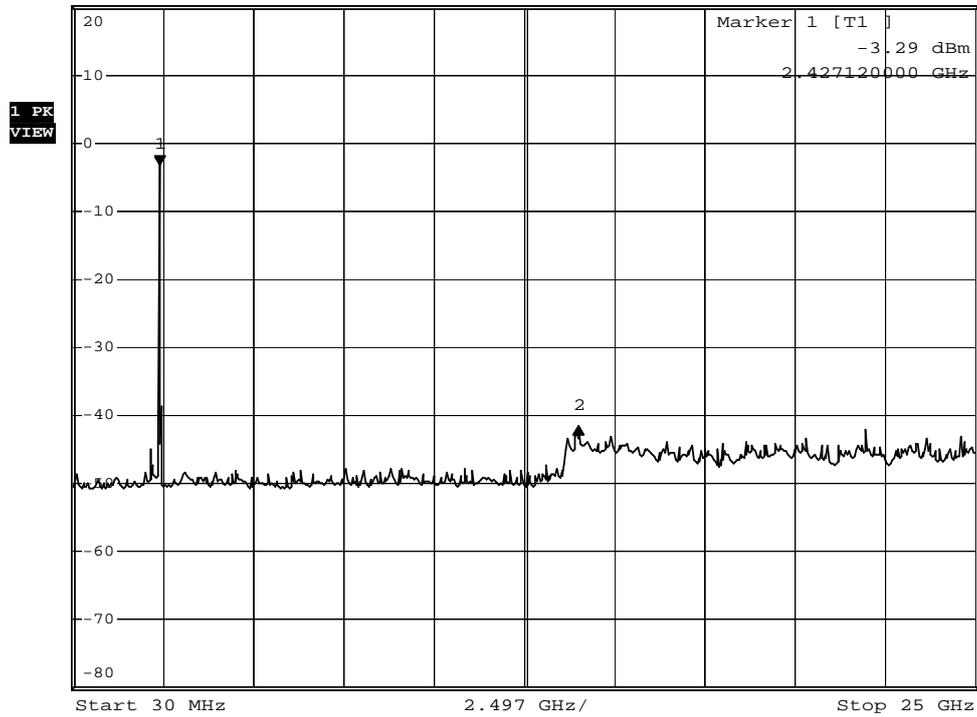
Comment: A:\2
Date: 10.MAY.2012 19:12:08

2452MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 0



*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -38.21 dB
 SWT 2.5 s 11.593320000 GHz

Ref 20 dBm *Att 30 dB



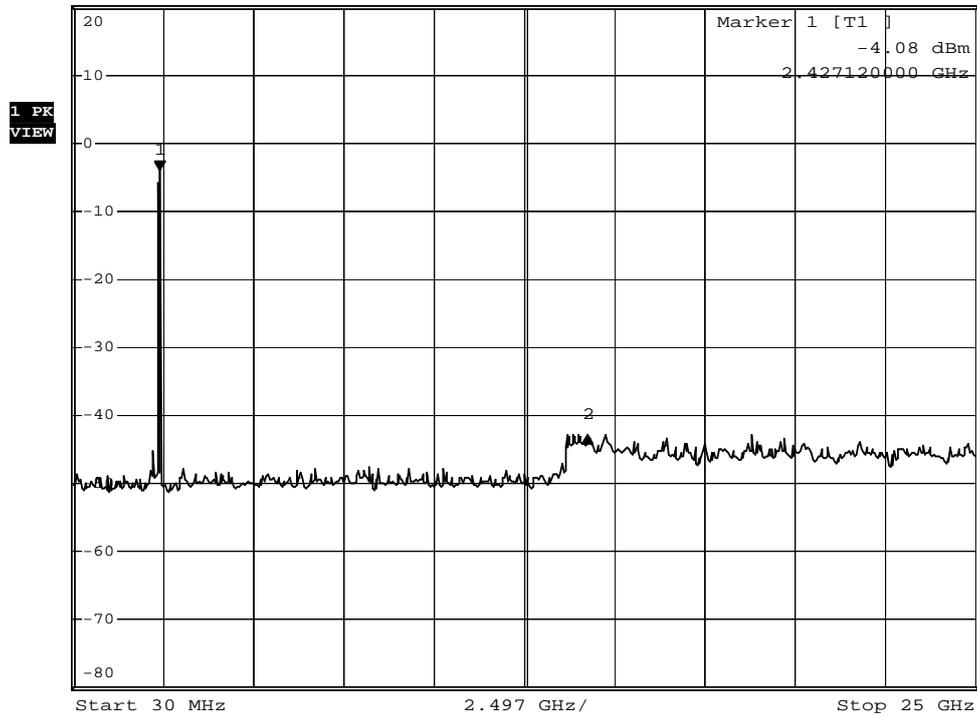
Comment: A:\2
 Date: 10.MAY.2012 19:09:45

2422MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 1



*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -38.69 dB
SWT 2.5 s 11.858000000 GHz

Ref 20 dBm *Att 30 dB



Comment: A:\2
Date: 10.MAY.2012 19:06:33

2452MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 1

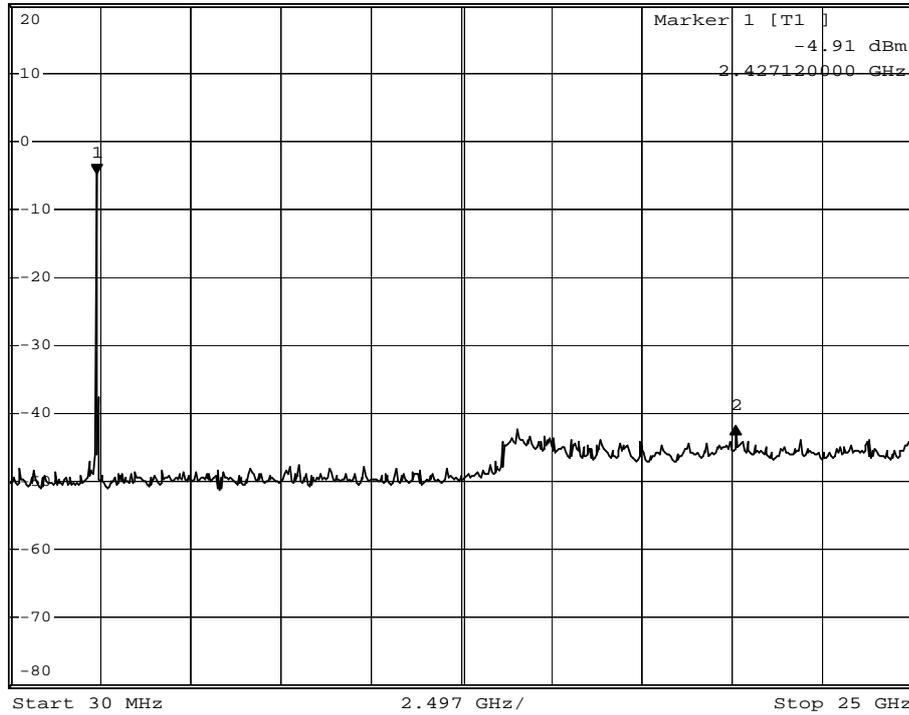


*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -36.81 dB
SWT 2.5 s 17.686000000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



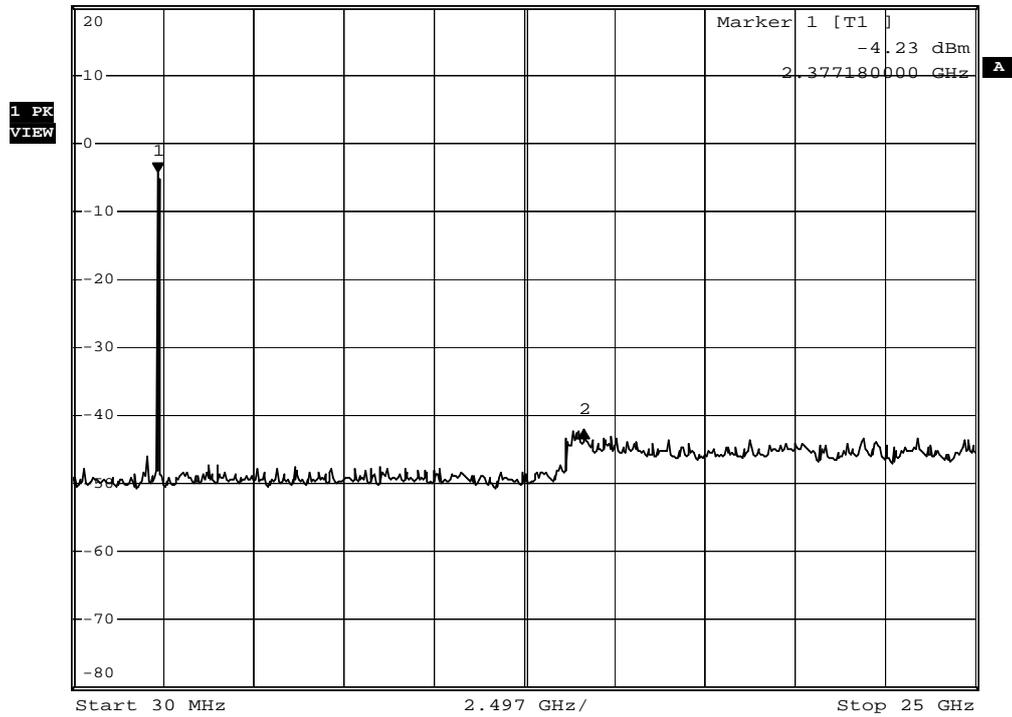
Comment: A:\2
Date: 10.MAY.2012 19:08:20

2422MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 2



*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -37.73 dB
SWT 2.5 s 11.808060000 GHz

Ref 20 dBm *Att 30 dB



Comment: A:\2
Date: 10.MAY.2012 19:03:46

2452MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 2



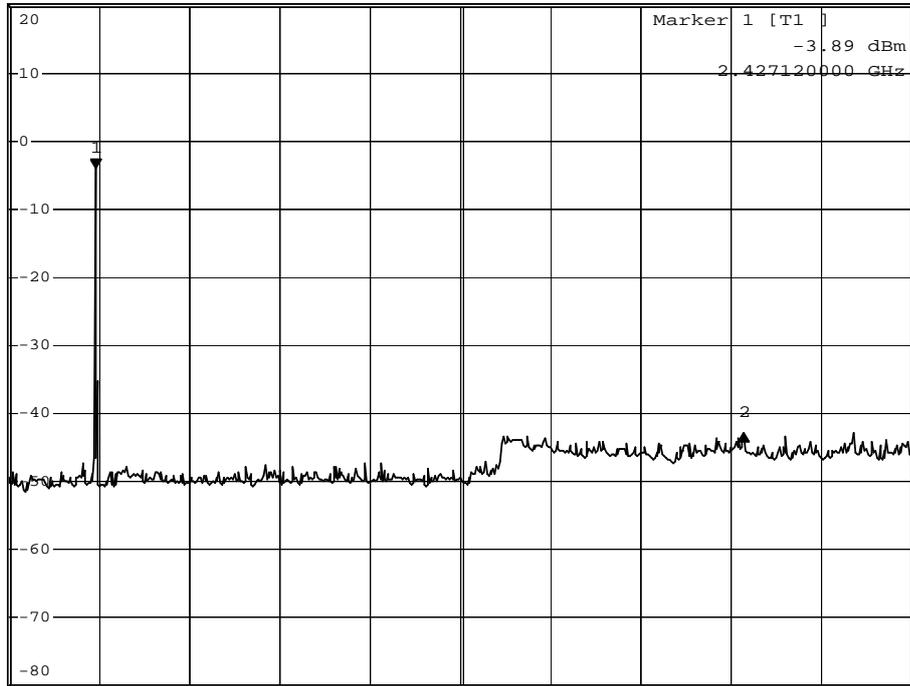
*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -38.93 dB
SWT 2.5 s 17.935400000 GHz

Ref 20 dBm

*Att 30 dB

17.935400000 GHz

1 PK
VIEW



Start 30 MHz

2.497 GHz/

Stop 25 GHz

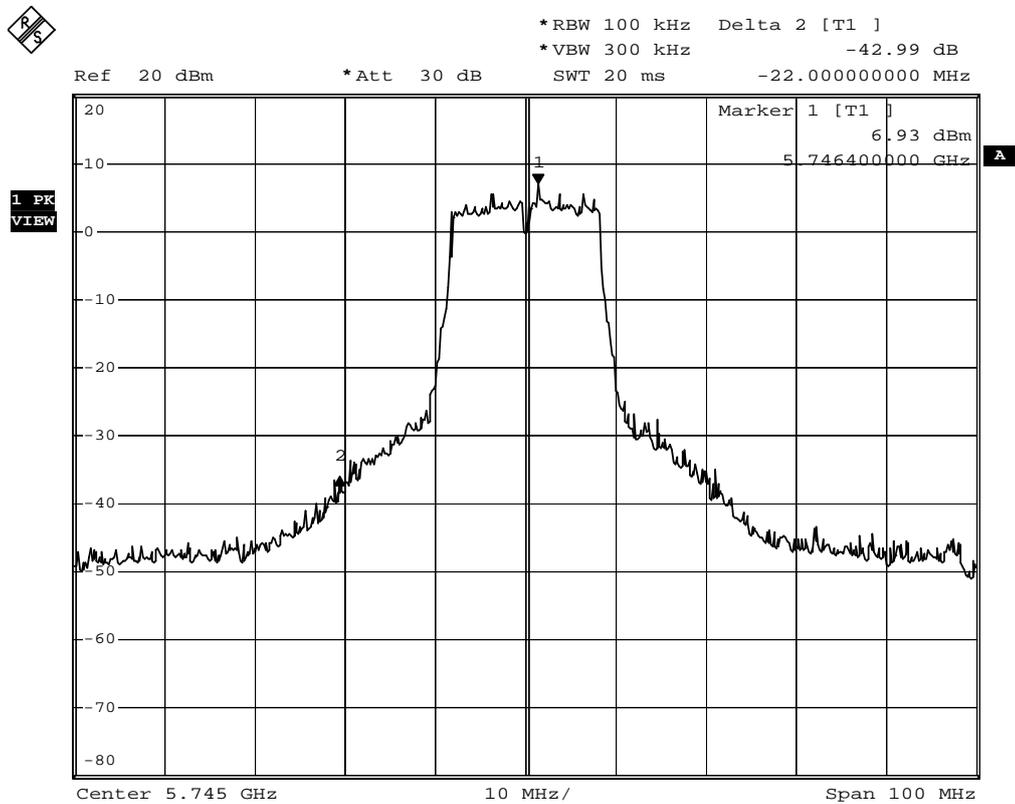
Comment: A:\2

Date: 10.MAY.2012 19:01:13

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11a, Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	42.99	≥20	Pass
165	5825	47.95	≥20	Pass

Channel 149 (5745MHz)



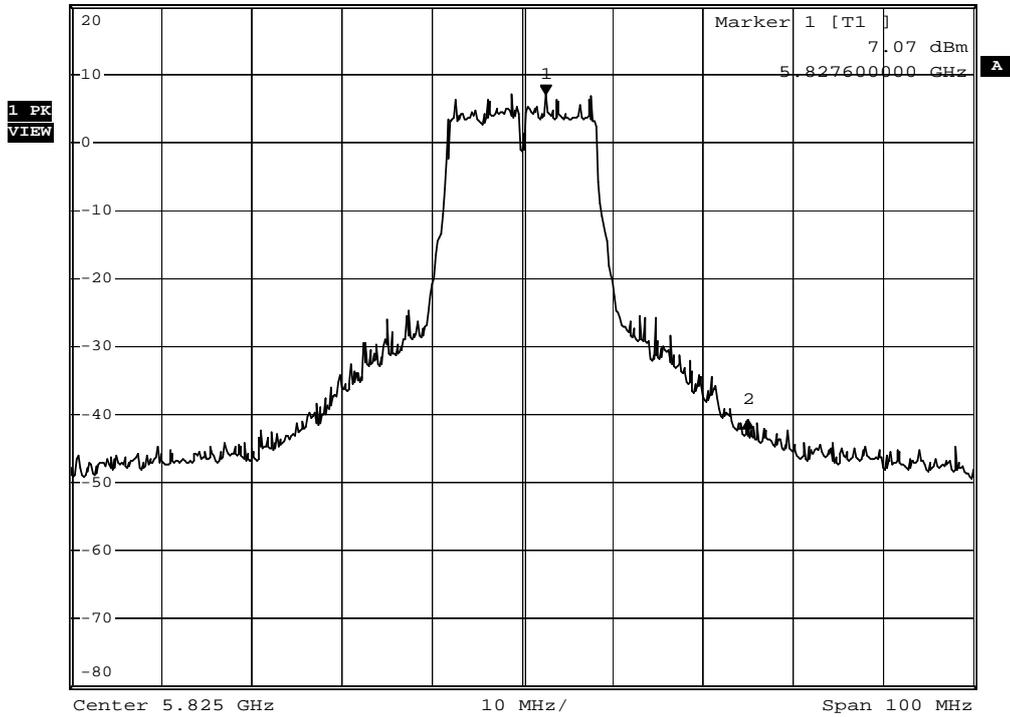
Comment: A:\2
 Date: 10.MAY.2012 21:28:59

Channel 165 (5825MHz)



*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -47.95 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 22.40000000 MHz

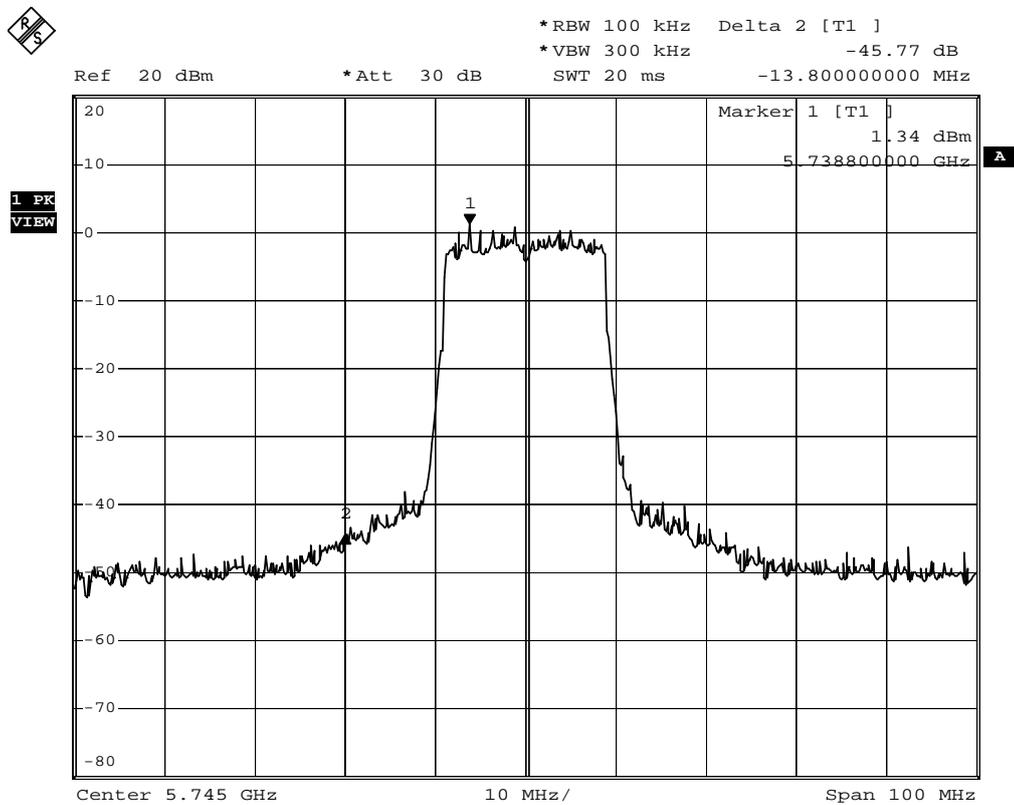


Comment: A:\2
 Date: 10.MAY.2012 21:32:09

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	45.77	≥ 20	Pass
165	5825	48.28	≥ 20	Pass

Channel 149 (5745MHz)



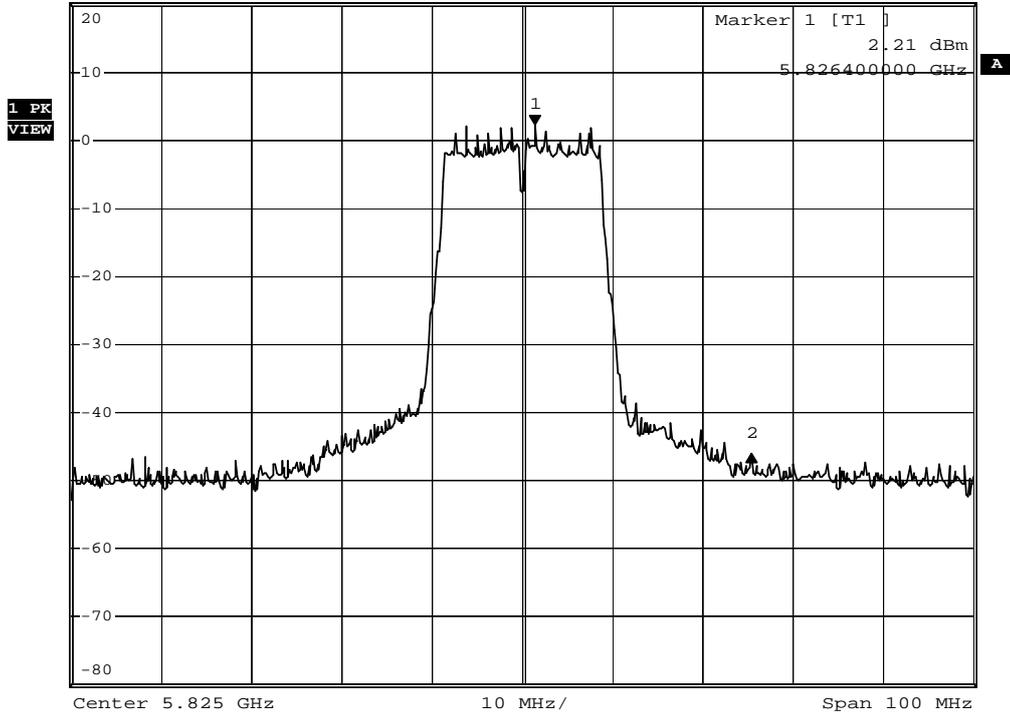
Comment: A:\2
 Date: 10.MAY.2012 21:36:15

Channel 165 (5825MHz)



*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -48.28 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 24.00000000 MHz

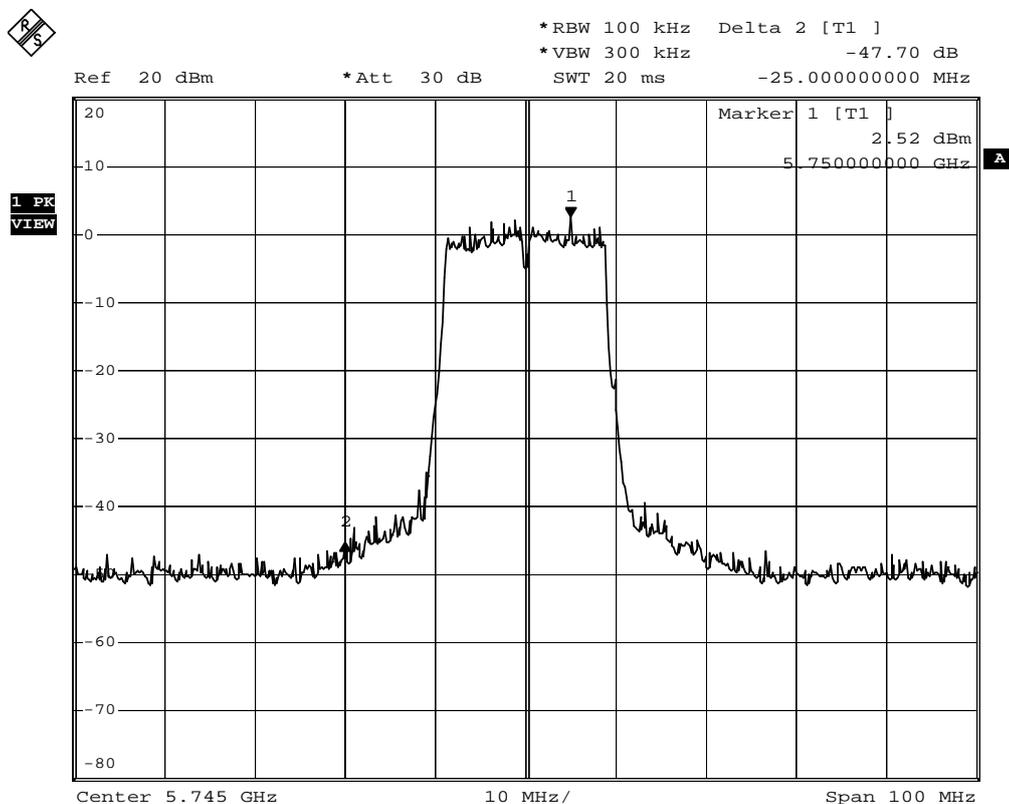


Comment: A:\2
Date: 10.MAY.2012 21:33:43

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	47.70	≥ 20	Pass
165	5825	50.26	≥ 20	Pass

Channel 149 (5745MHz)



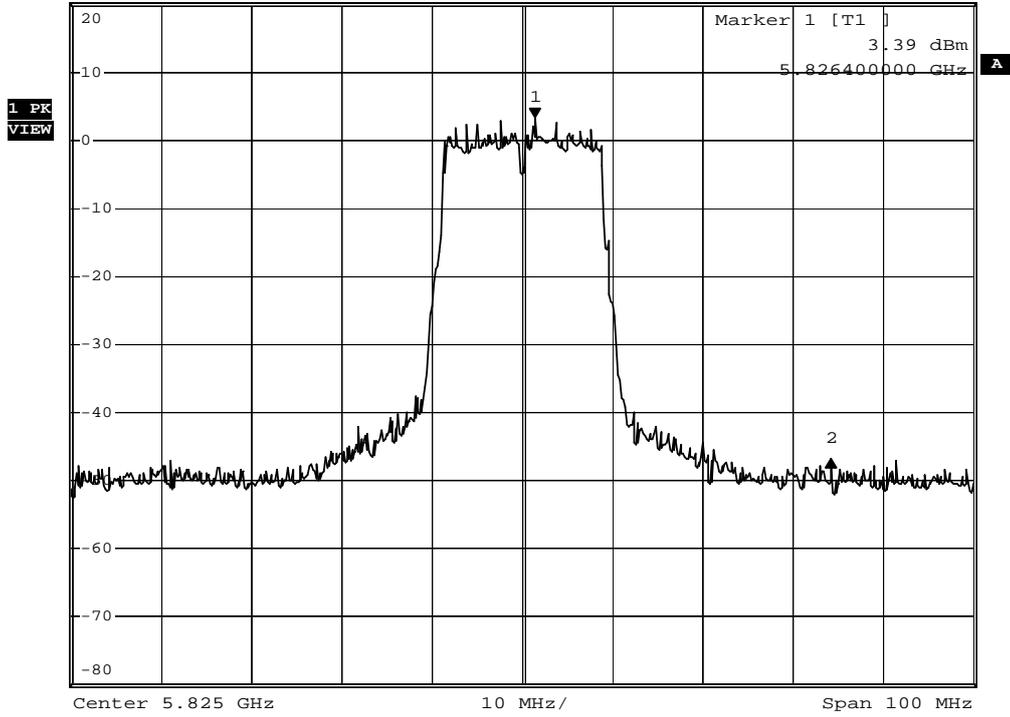
Comment: A:\2
 Date: 10.MAY.2012 21:38:03

Channel 165 (5825MHz)



*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -50.26 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 32.800000000 MHz

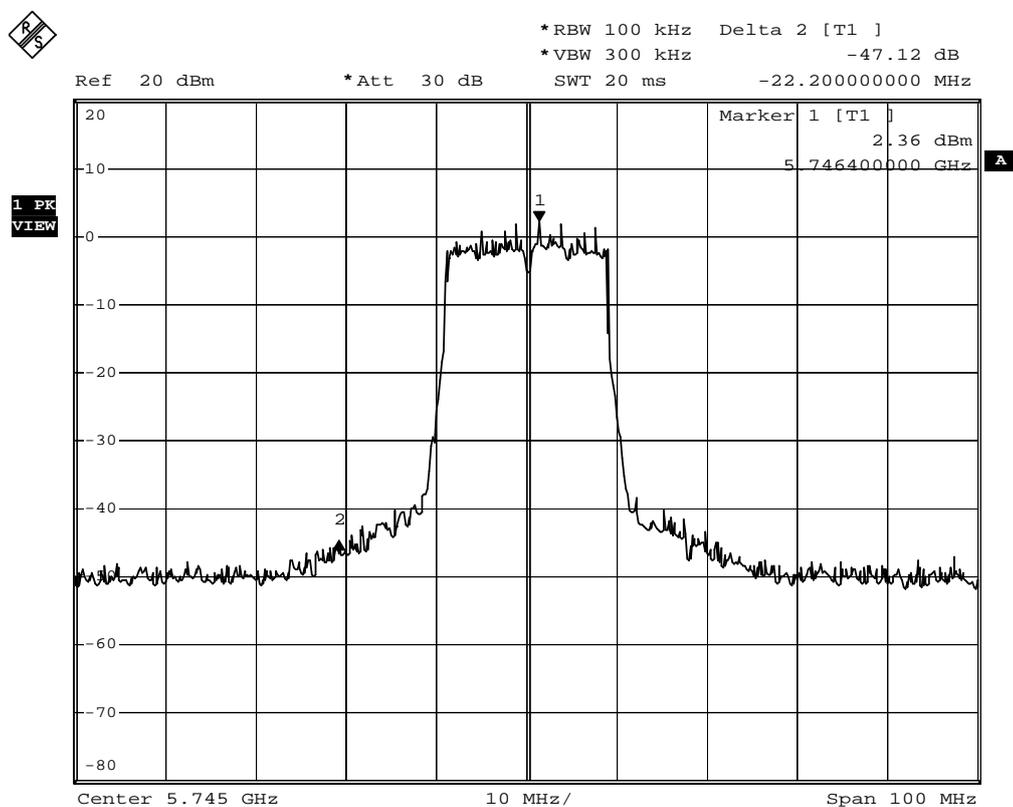


Comment: A:\2
Date: 10.MAY.2012 21:39:51

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

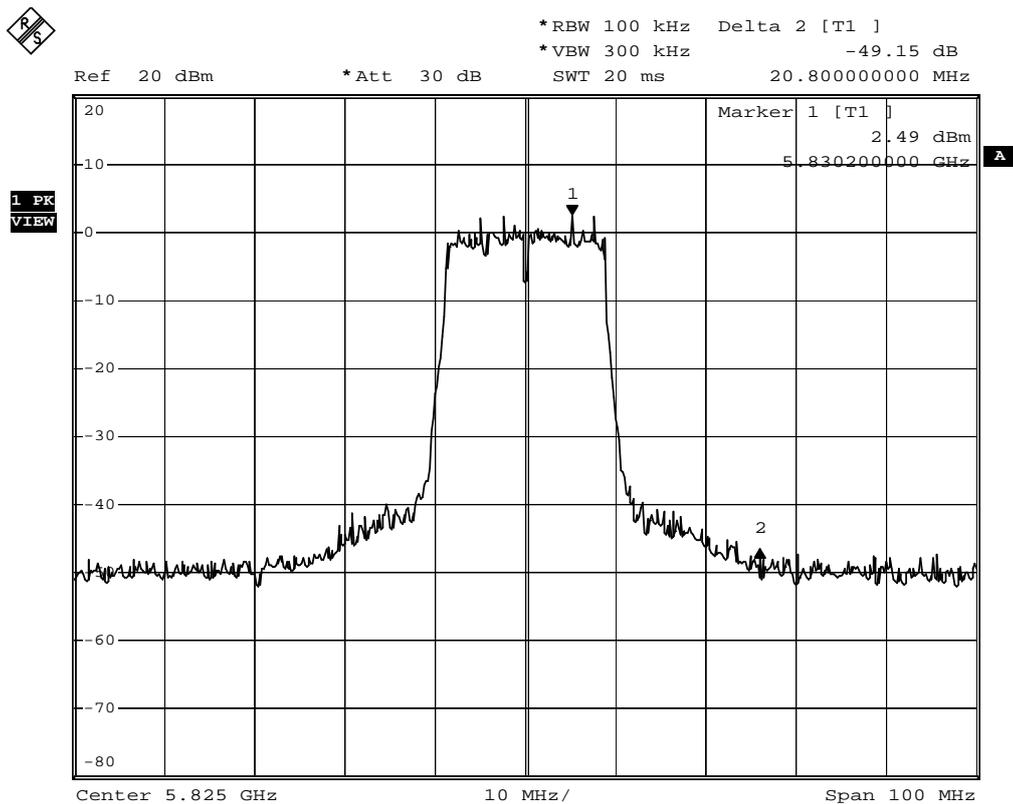
IEEE 802.11n (20MHz), (ANT 2) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	47.12	≥ 20	Pass
165	5825	49.15	≥ 20	Pass

Channel 149 (5745MHz)



Comment: A:\2
 Date: 10.MAY.2012 21:46:26

Channel 165 (5825MHz)

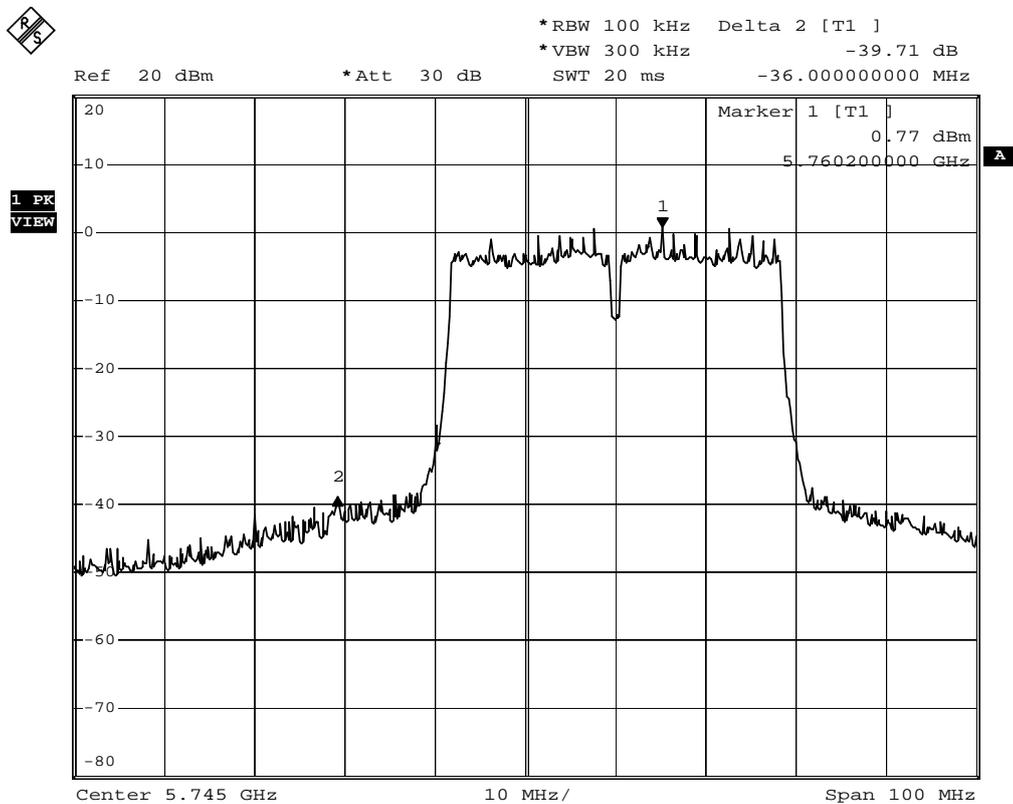


Comment: A:\2
 Date: 10.MAY.2012 21:44:45

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	39.71	≥ 20	Pass
159	5795	46.83	≥ 20	Pass

Channel 151 (5755MHz)



Comment: A:\2
Date: 10.MAY.2012 21:53:40

Channel 159 (5795MHz)



*RBW 100 kHz Delta 2 [T1]

*VBW 300 kHz -46.83 dB

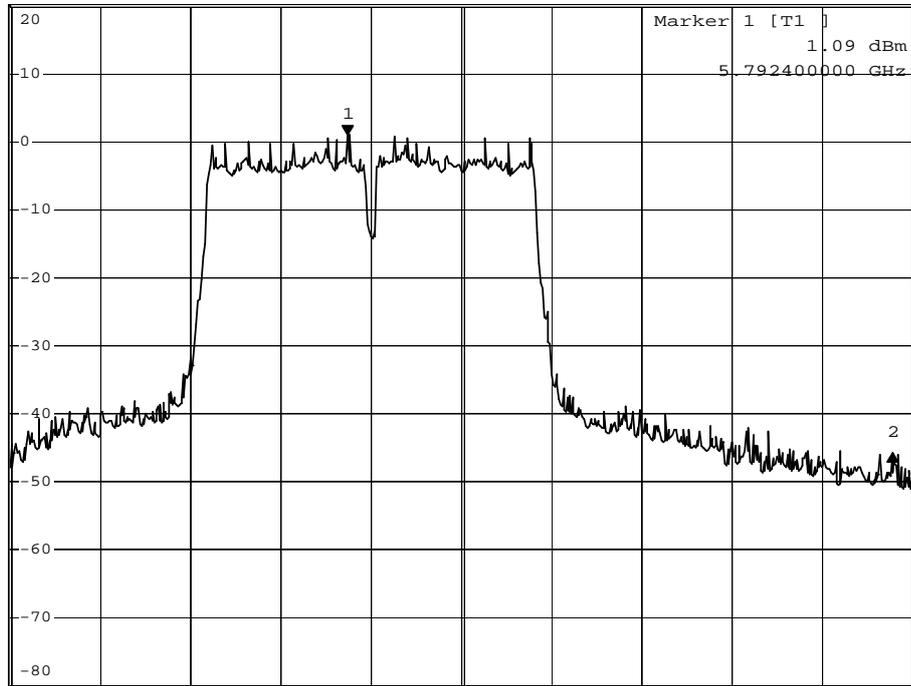
SWT 20 ms

60.40000000 MHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Marker 1 [T1]
1.09 dBm
5.792400000 GHz

Center 5.805 GHz

10 MHz/

Span 100 MHz

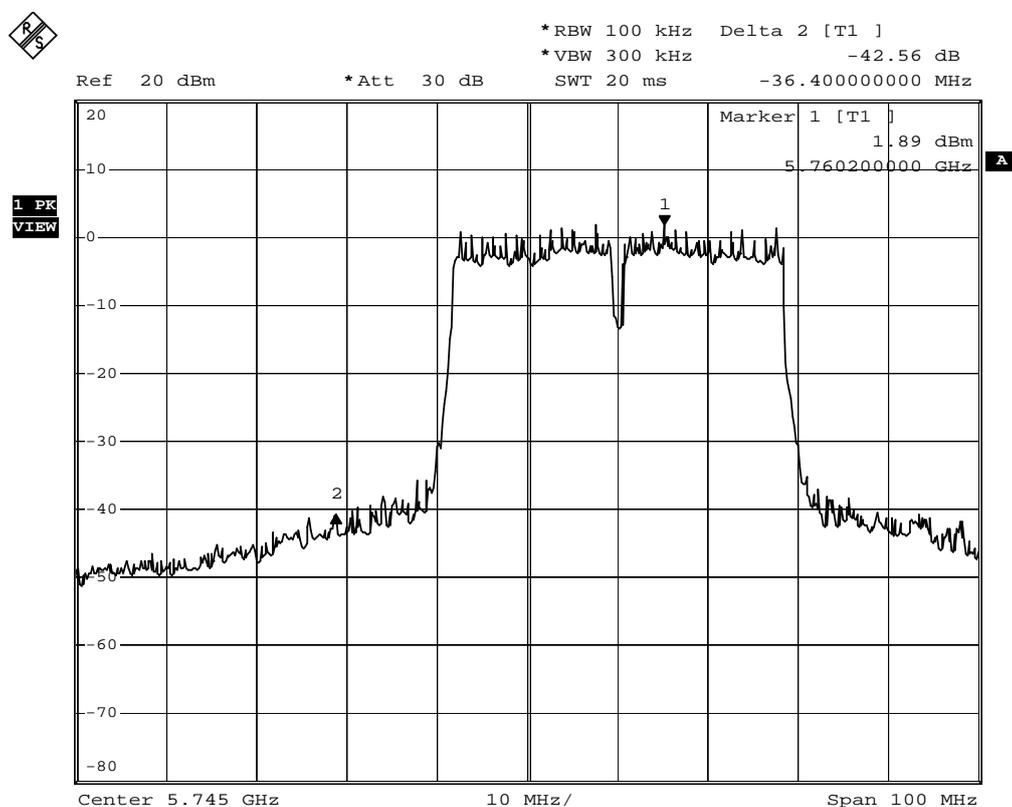
Comment: A:\2

Date: 10.MAY.2012 21:55:49

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 1) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	42.56	≥ 20	Pass
159	5795	47.52	≥ 20	Pass

Channel 151 (5755MHz)



Comment: A:\2
 Date: 10.MAY.2012 21:52:44

Channel 159 (5795MHz)



*RBW 100 kHz Delta 2 [T1]

*VBW 300 kHz -47.52 dB

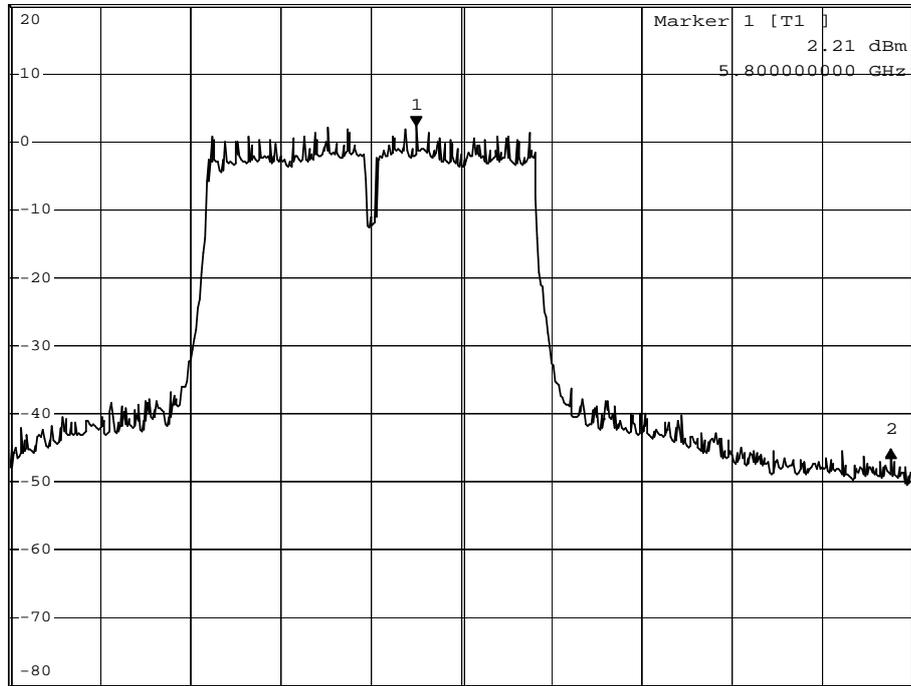
SWT 20 ms

52.60000000 MHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Comment: A:\2

Date: 10.MAY.2012 21:50:29

Channel 159 (5795MHz)



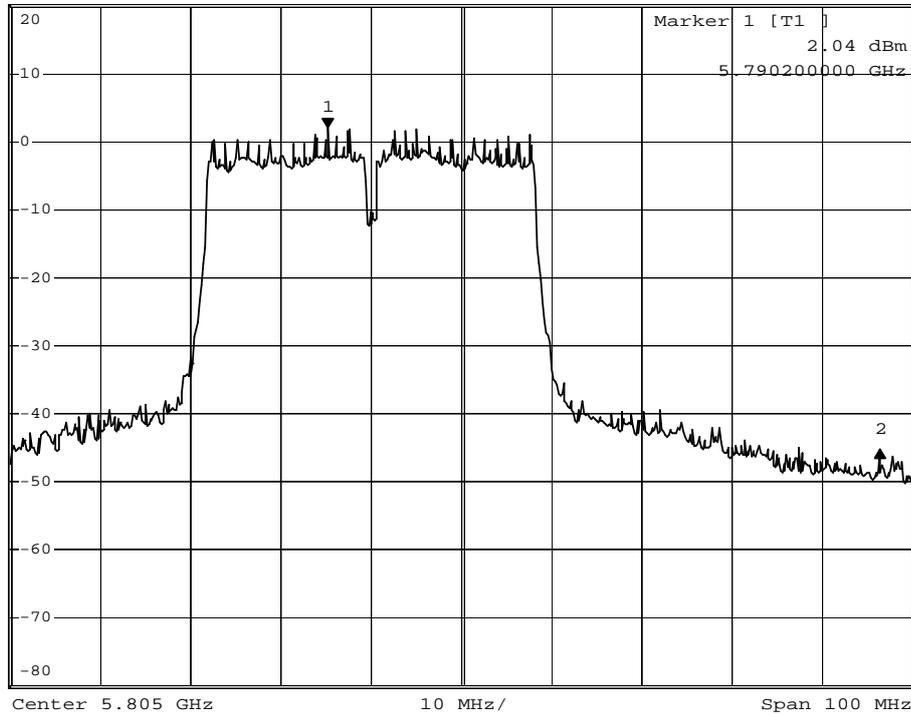
*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -47.18 dB
SWT 20 ms 61.20000000 MHz

Ref 20 dBm

*Att 30 dB

61.20000000 MHz

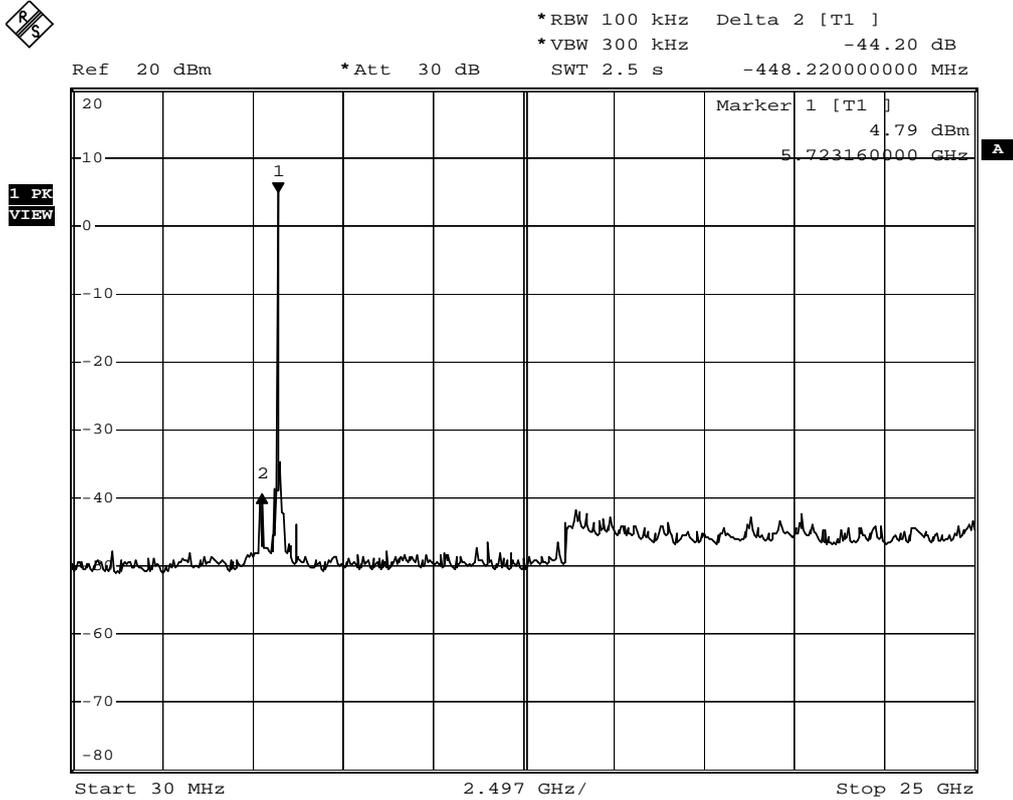
1 PK
VIEW



Comment: A:\2
Date: 10.MAY.2012 21:49:40

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

5745MHz (30MHz~25GHz)-802.11a



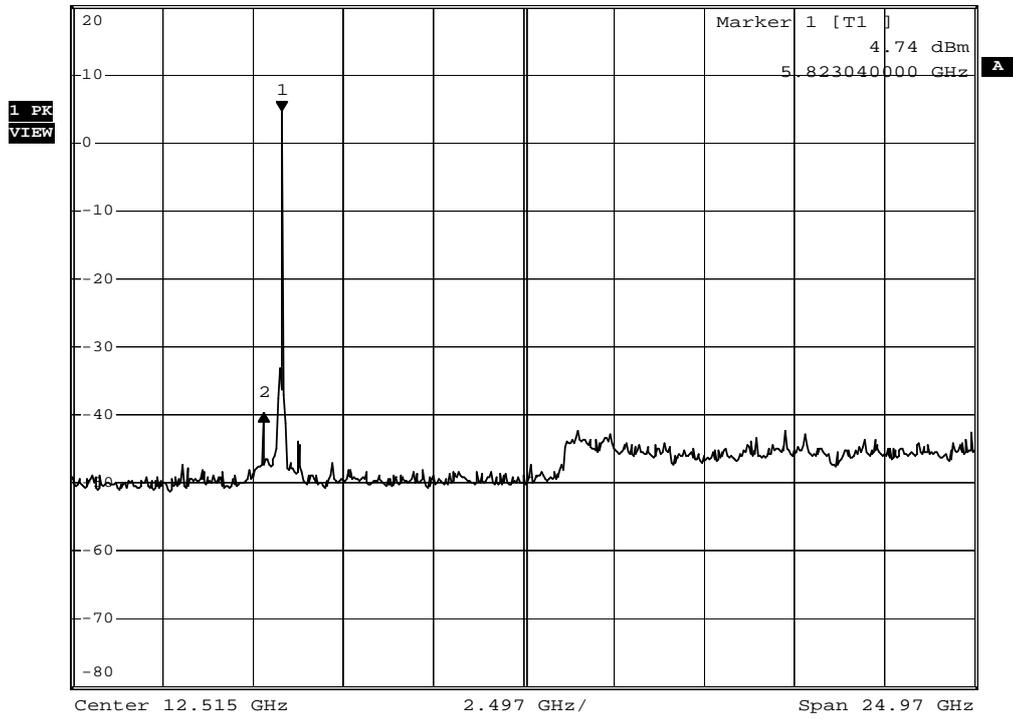
Comment: A:\2
 Date: 10.MAY.2012 21:29:44

5825MHz (30MHz~25GHz)-802.11a



*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -44.33 dB
 SWT 2.5 s -498.16000000 MHz

Ref 20 dBm *Att 30 dB



Comment: A:\2
 Date: 10.MAY.2012 21:30:52

5745MHz (30MHz~25GHz)-802.11n(20MHz)-ANT 0



*RBW 100 kHz Delta 2 [T1]

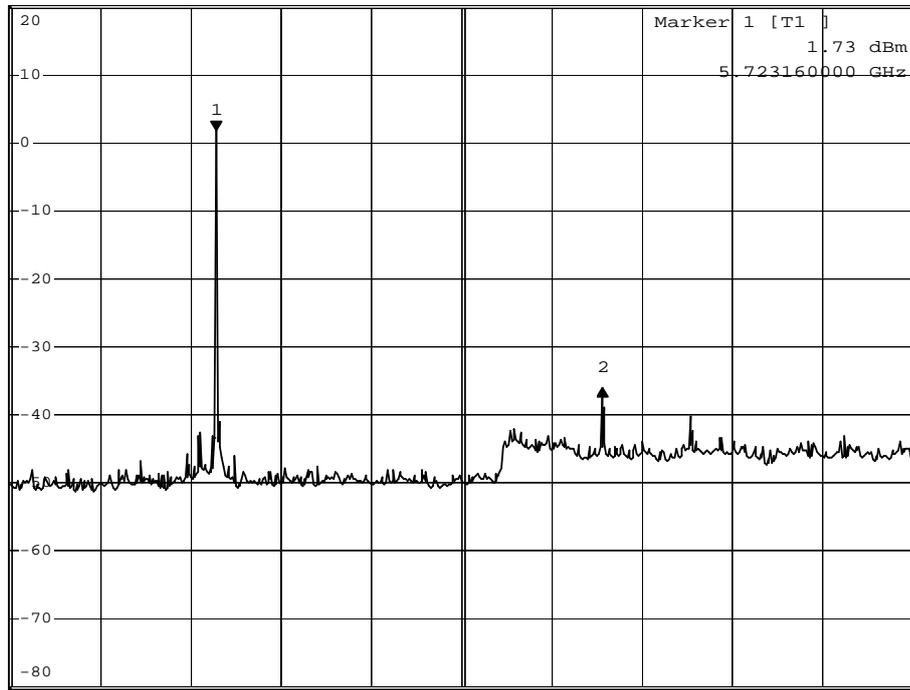
*VBW 300 kHz -37.88 dB

SWT 2.5 s 10.664580000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



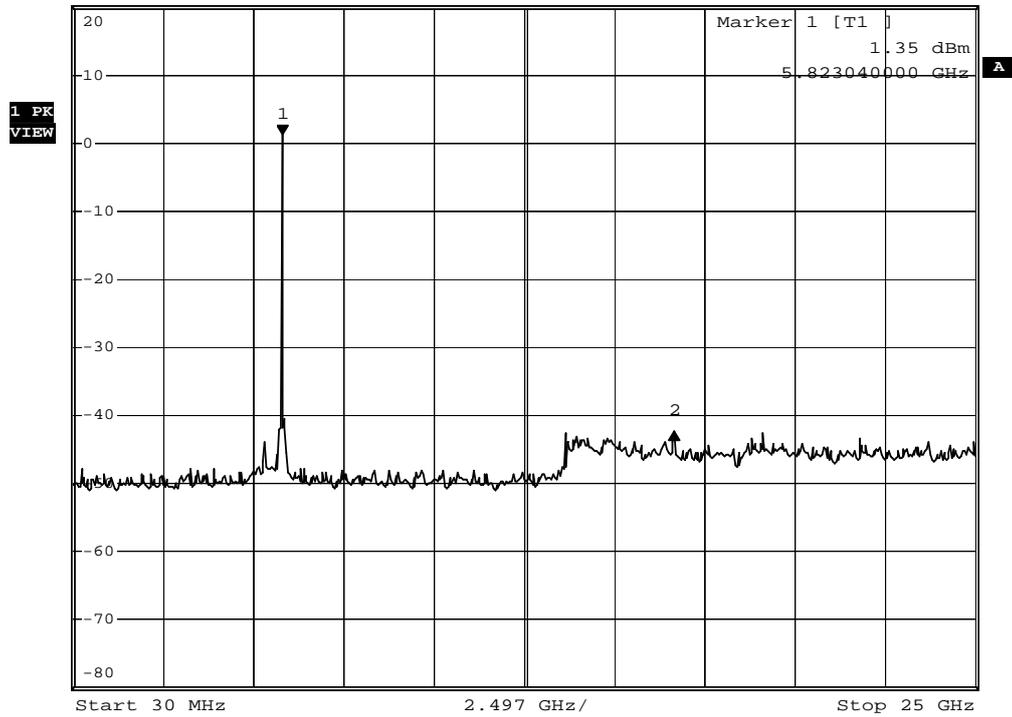
Comment: A:\2
Date: 10.MAY.2012 21:35:37

5825MHz (30MHz~25GHz) -802.11n(20MHz)-ANT 0



*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -43.57 dB
SWT 2.5 s 10.814400000 GHz

Ref 20 dBm *Att 30 dB



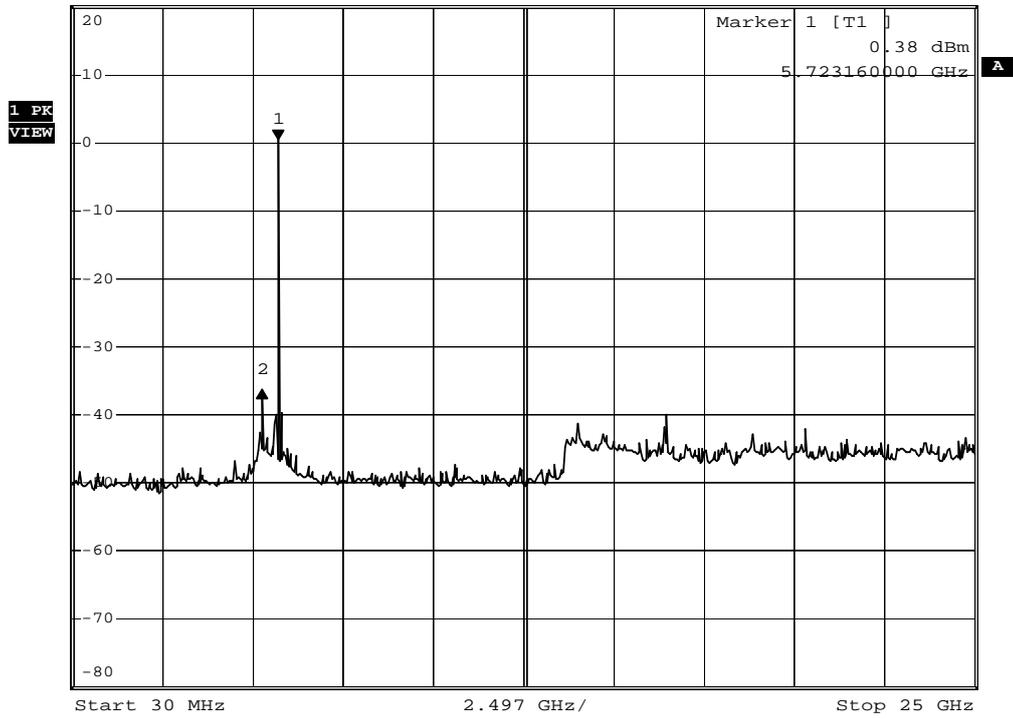
Comment: A:\2
Date: 10.MAY.2012 21:34:23

5745MHz (30MHz~25GHz)-802.11n(20MHz)-ANT 1



*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -36.59 dB
 SWT 2.5 s -447.620000000 MHz

Ref 20 dBm *Att 30 dB



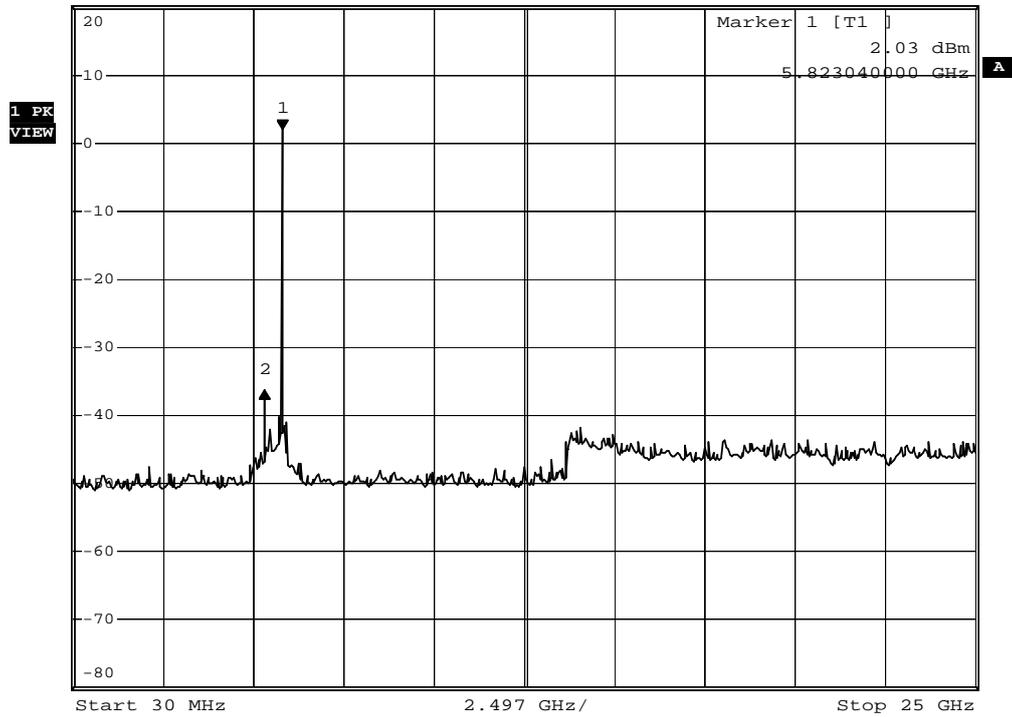
Comment: A:\2
 Date: 10.MAY.2012 21:38:41

5825MHz (30MHz~25GHz) -802.11n(20MHz)-ANT 1



*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -38.33 dB
 SWT 2.5 s -497.560000000 MHz

Ref 20 dBm *Att 30 dB



Comment: A:\2
 Date: 10.MAY.2012 21:39:19

5745MHz (30MHz~25GHz)-802.11n(20MHz)-ANT 2



*RBW 100 kHz Delta 2 [T1]

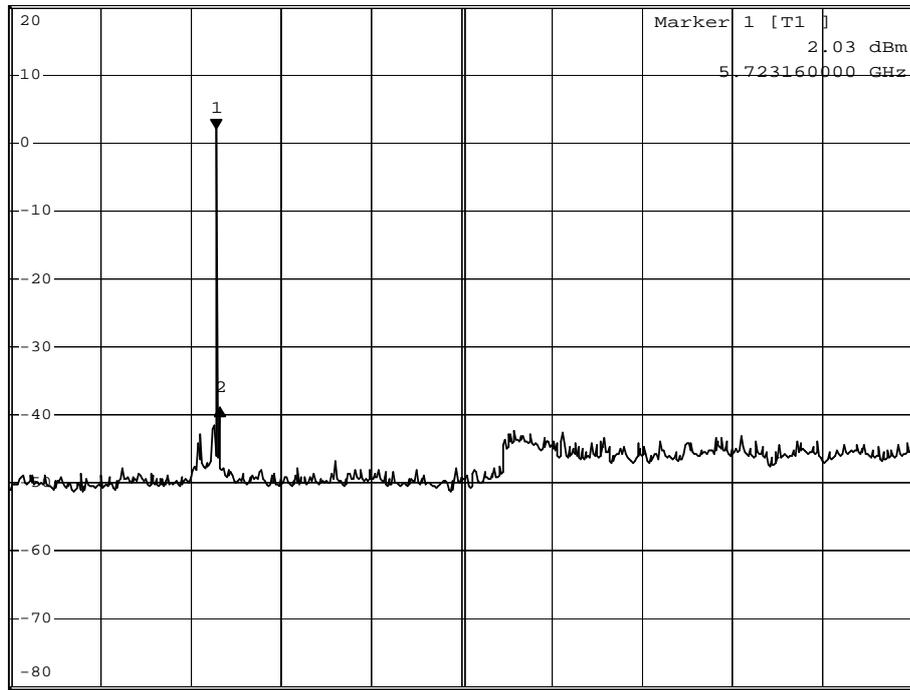
*VBW 300 kHz -40.93 dB

SWT 2.5 s 77.900000000 MHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Comment: A:\2

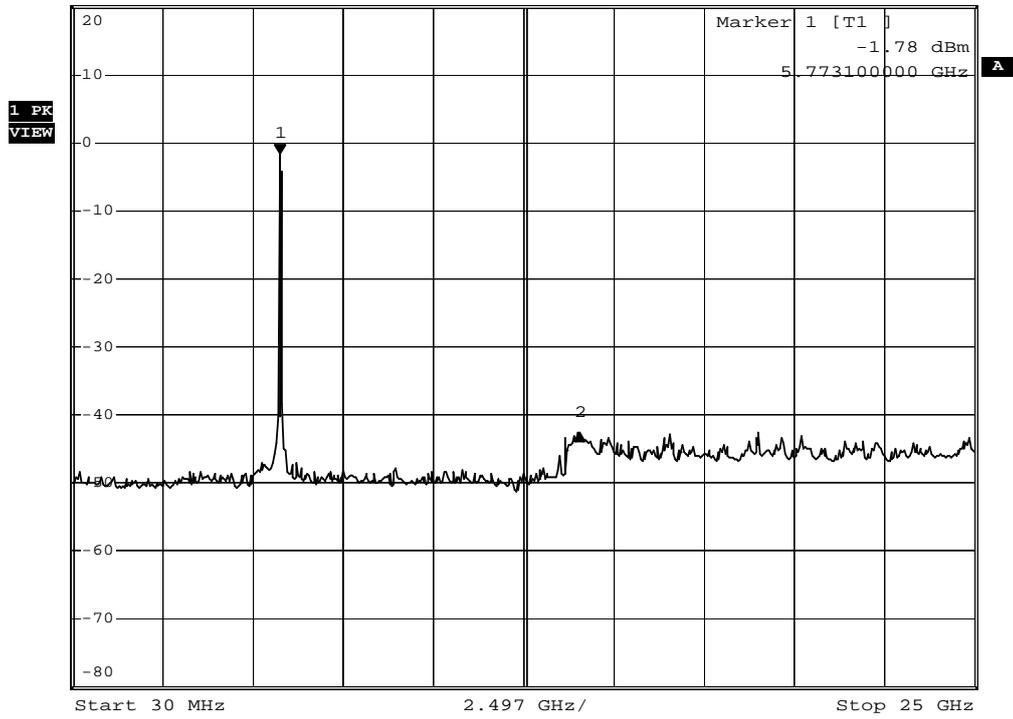
Date: 10.MAY.2012 21:45:51

5795MHz (30MHz~25GHz) -802.11n(40MHz)-ANT 0



*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -40.74 dB
SWT 2.5 s 8.291080000 GHz

Ref 20 dBm *Att 30 dB



Comment: A:\2
Date: 10.MAY.2012 21:55:09

5795MHz (30MHz~25GHz) -802.11n(40MHz)-ANT 1

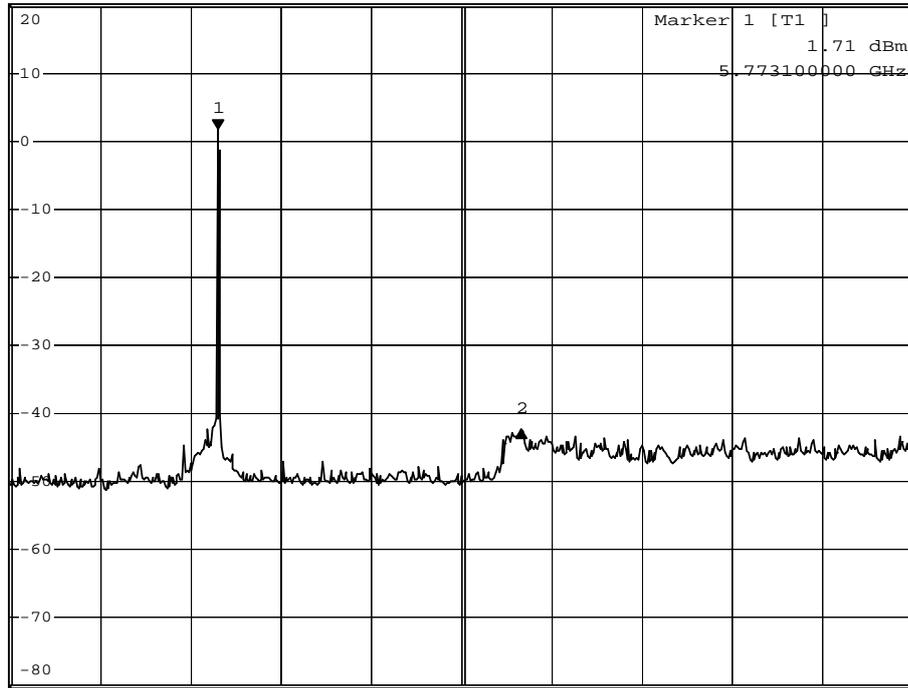


*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -44.11 dB
SWT 2.5 s 8.369540000 GHz

Ref 20 dBm

*Att 30 dB

1 PK VIEW



Start 30 MHz

2.497 GHz/

Stop 25 GHz

Comment: A:\2

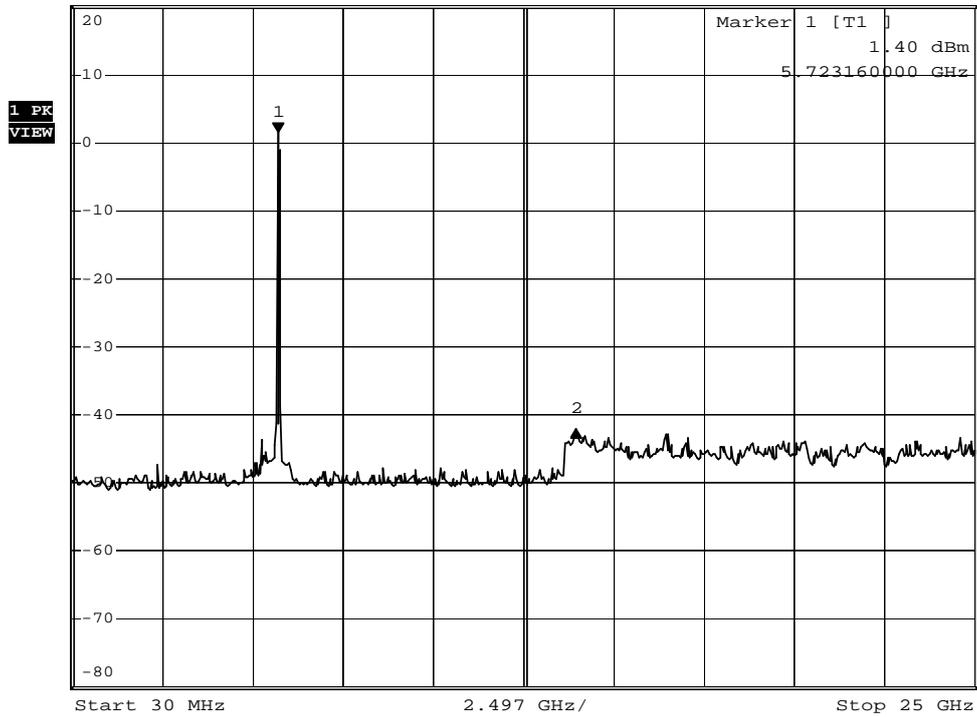
Date: 10.MAY.2012 21:51:03

5755MHz (30MHz~25GHz)-802.11n(40MHz)-ANT 2



*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -43.50 dB
SWT 2.5 s 8.239540000 GHz

Ref 20 dBm *Att 30 dB

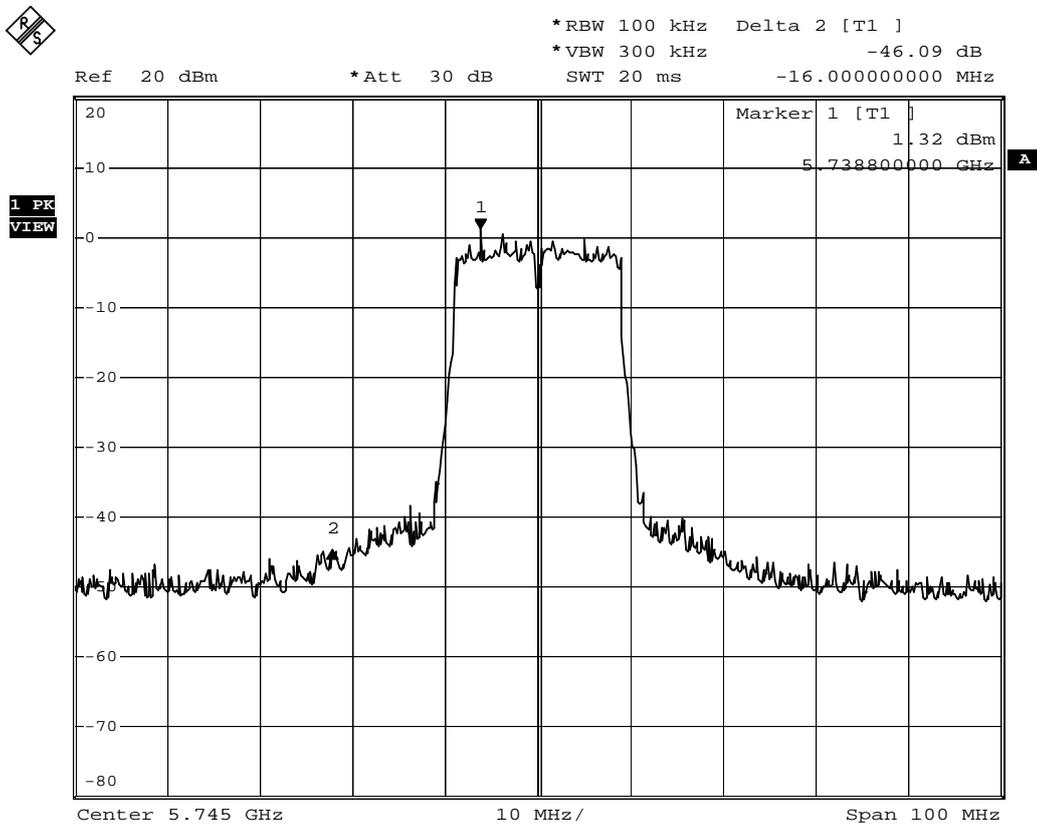


Comment: A:\2
Date: 10.MAY.2012 21:47:36

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (20MHz), (ANT 0) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	46.09	≥ 20	Pass
165	5825	48.15	≥ 20	Pass

Channel 149 (5745MHz)



Date: 18.MAY.2012 22:24:26

Channel 165 (5825MHz)

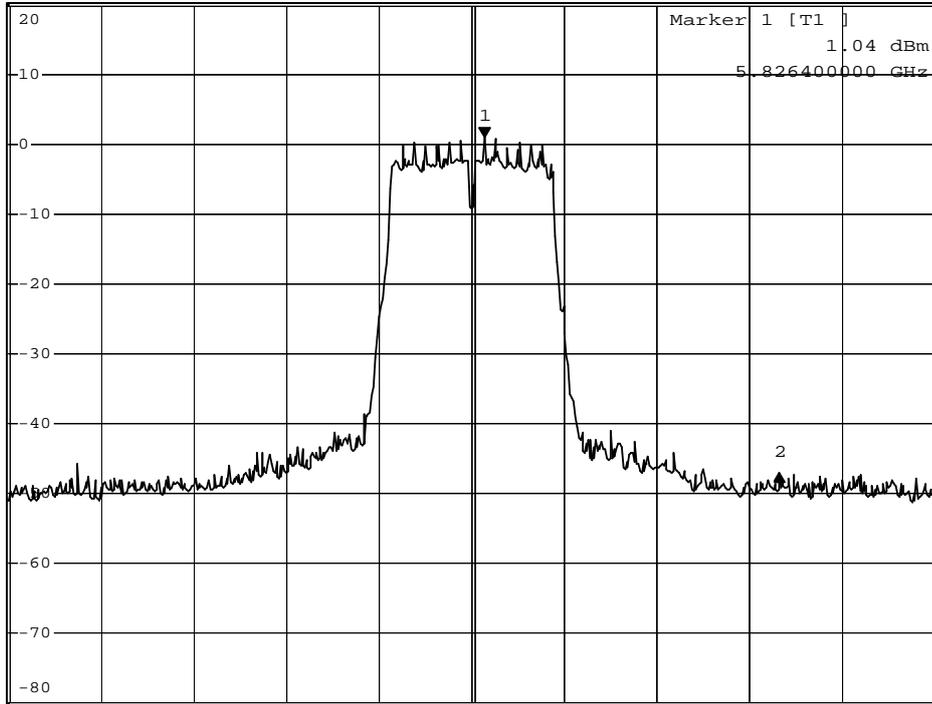


*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -48.15 dB
 SWT 20 ms 31.80000000 MHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW

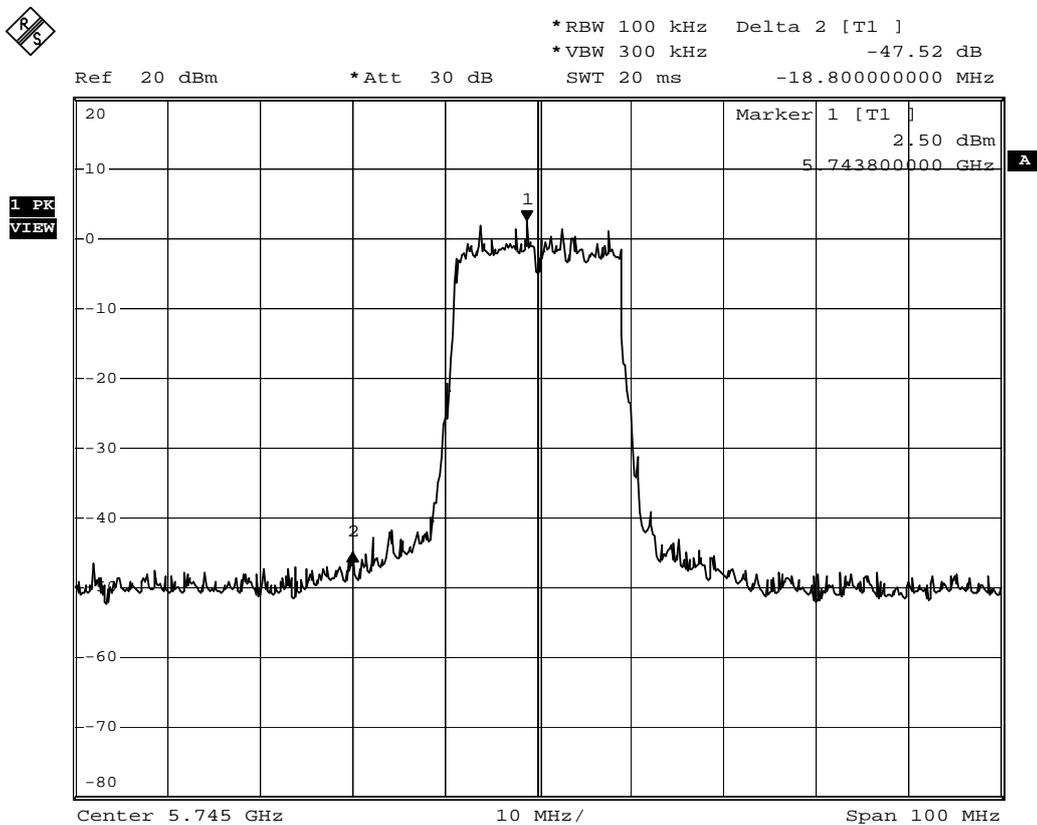


Date: 18.MAY.2012 22:23:28

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (20MHz), (ANT 1) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	47.52	≥ 20	Pass
165	5825	48.83	≥ 20	Pass

Channel 149 (5745MHz)



Date: 18.MAY.2012 22:26:22

Channel 165 (5825MHz)

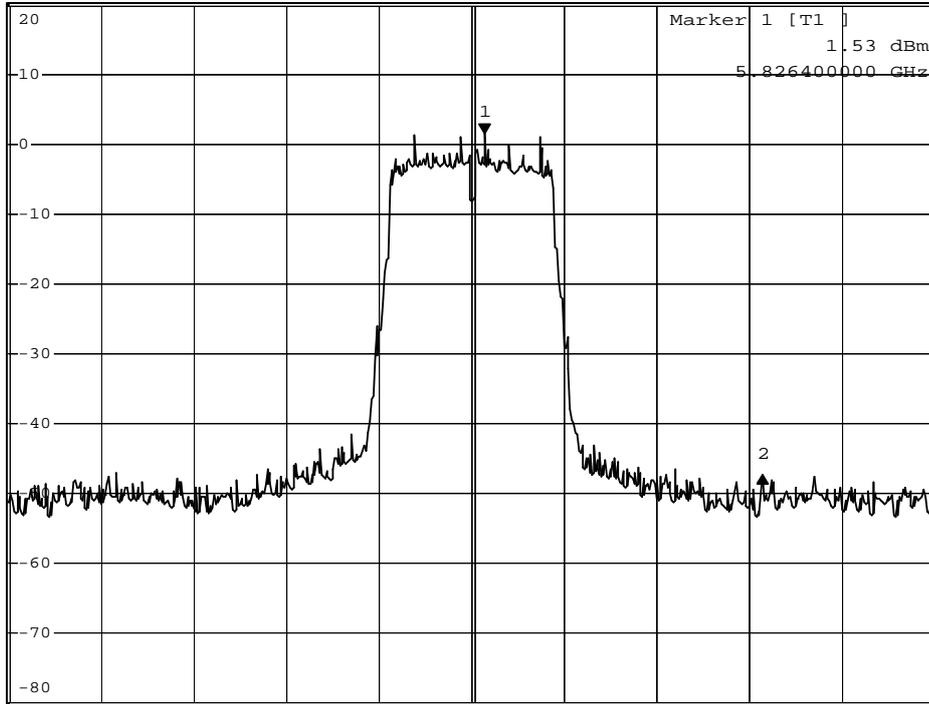


*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -48.83 dB
SWT 20 ms 30.000000000 MHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW

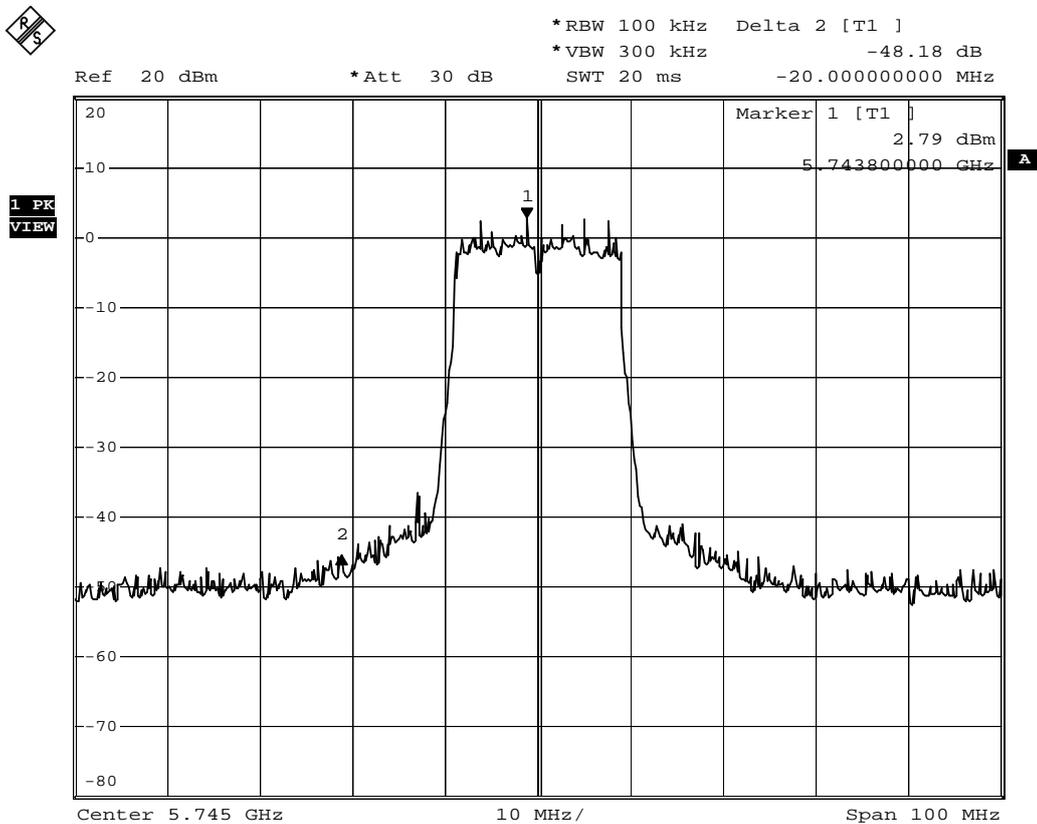


Date: 18.MAY.2012 22:27:01

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (20MHz), (ANT 2) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	48.18	≥ 20	Pass
165	5825	46.81	≥ 20	Pass

Channel 149 (5745MHz)



Date: 18.MAY.2012 22:28:52

Channel 165 (5825MHz)

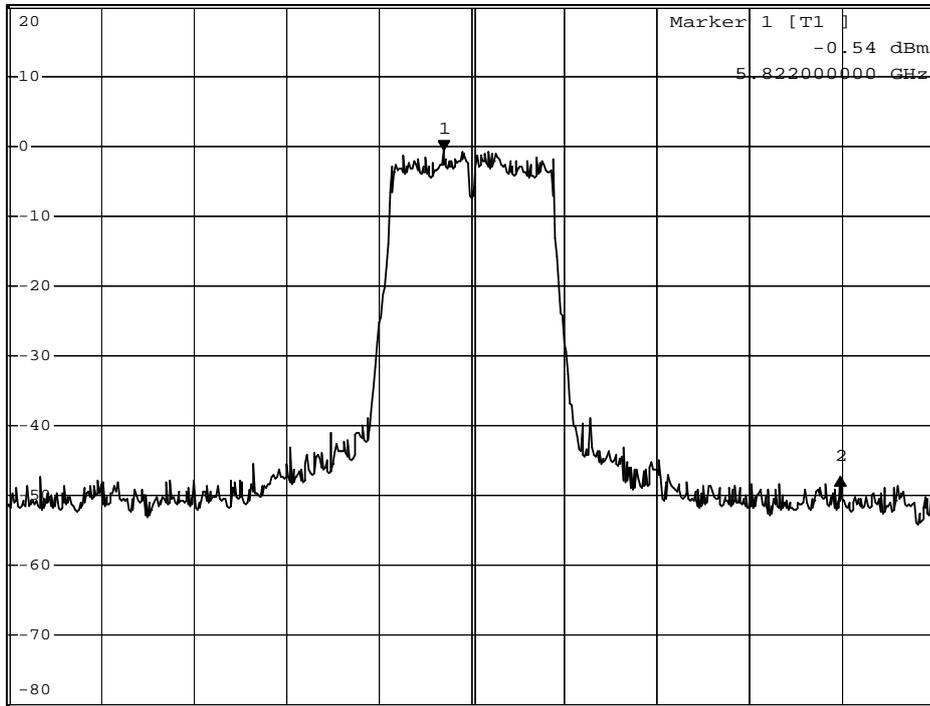


*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -46.81 dB
 SWT 20 ms 42.80000000 MHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW

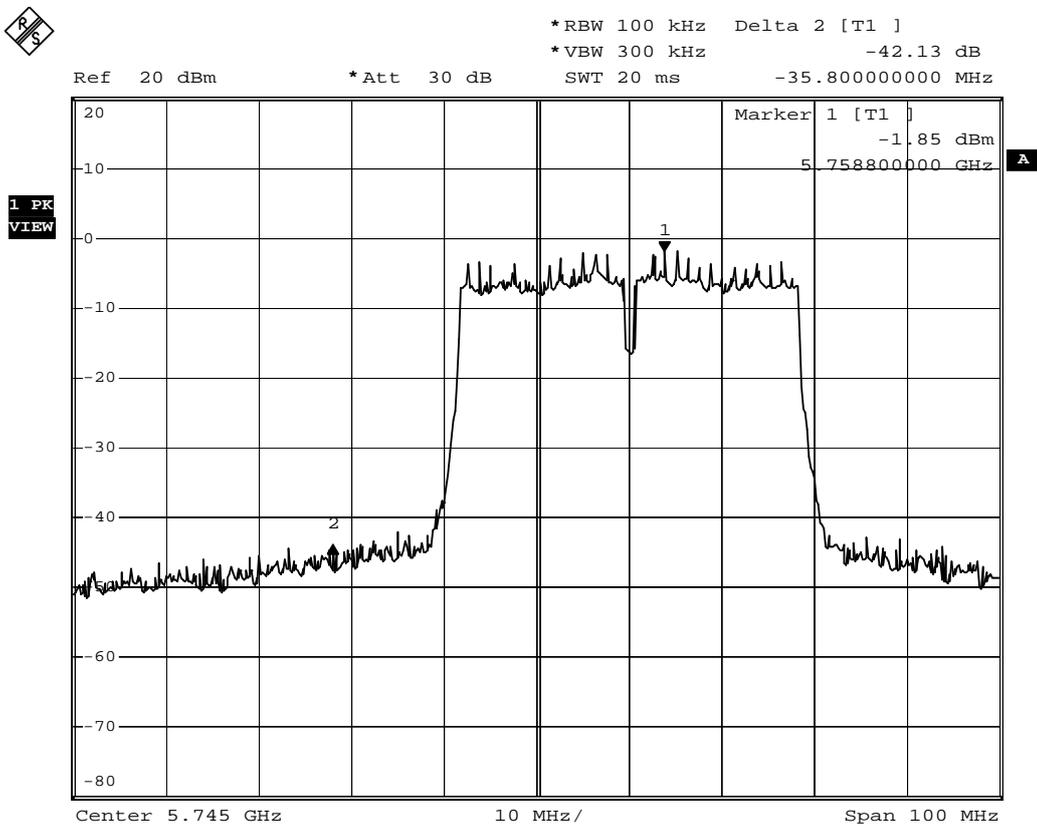


Date: 18.MAY.2012 22:28:13

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (40MHz), (ANT 0) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	42.13	≥ 20	Pass
159	5795	46.86	≥ 20	Pass

Channel 151 (5755MHz)



Date: 18.MAY.2012 22:34:53

Channel 159 (5795MHz)



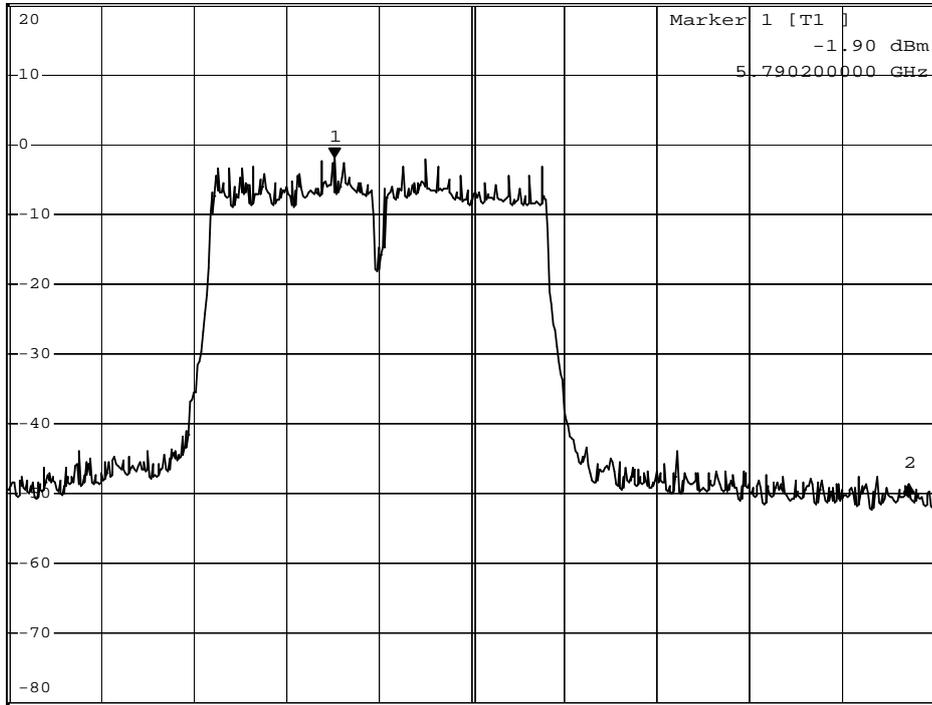
*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -46.86 dB
 SWT 20 ms 62.000000000 MHz

Ref 20 dBm

*Att 30 dB

Marker 1 [T1]
 -1.90 dBm
 5.790200000 GHz

1 PK
 VIEW



Center 5.805 GHz

10 MHz/

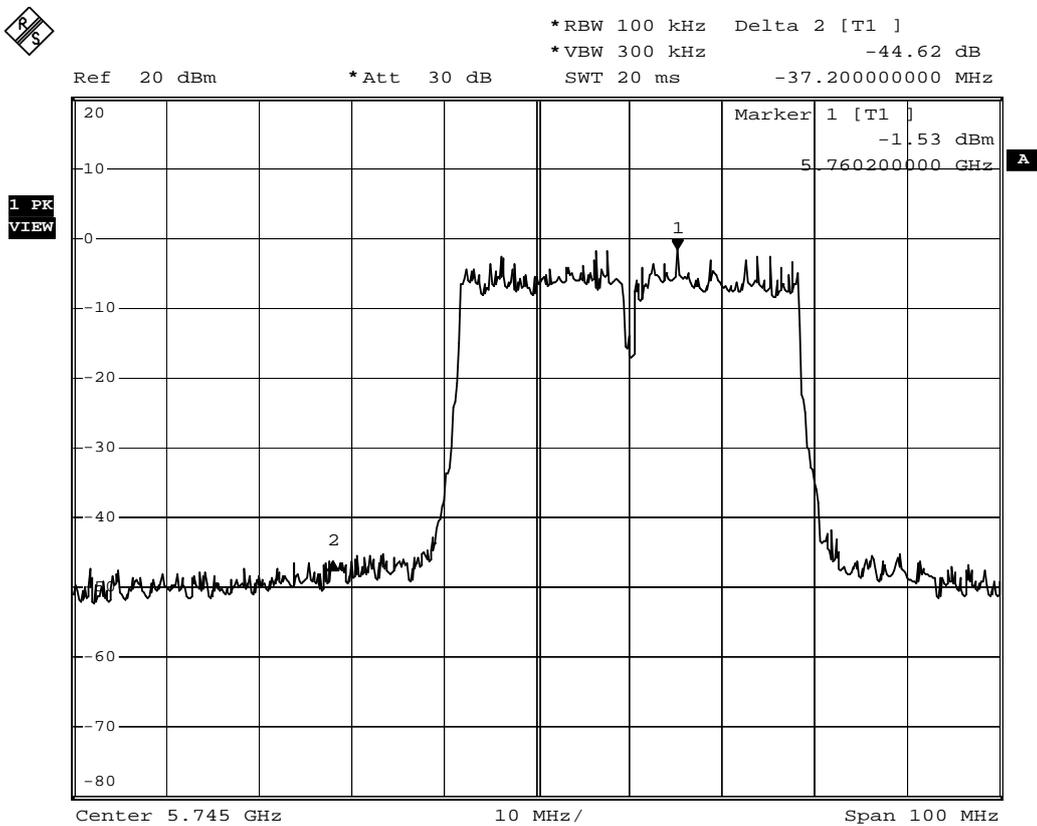
Span 100 MHz

Date: 18.MAY.2012 22:35:25

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (40MHz), (ANT 1) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	44.62	≥ 20	Pass
159	5795	47.30	≥ 20	Pass

Channel 151 (5755MHz)



Date: 18.MAY.2012 22:33:59

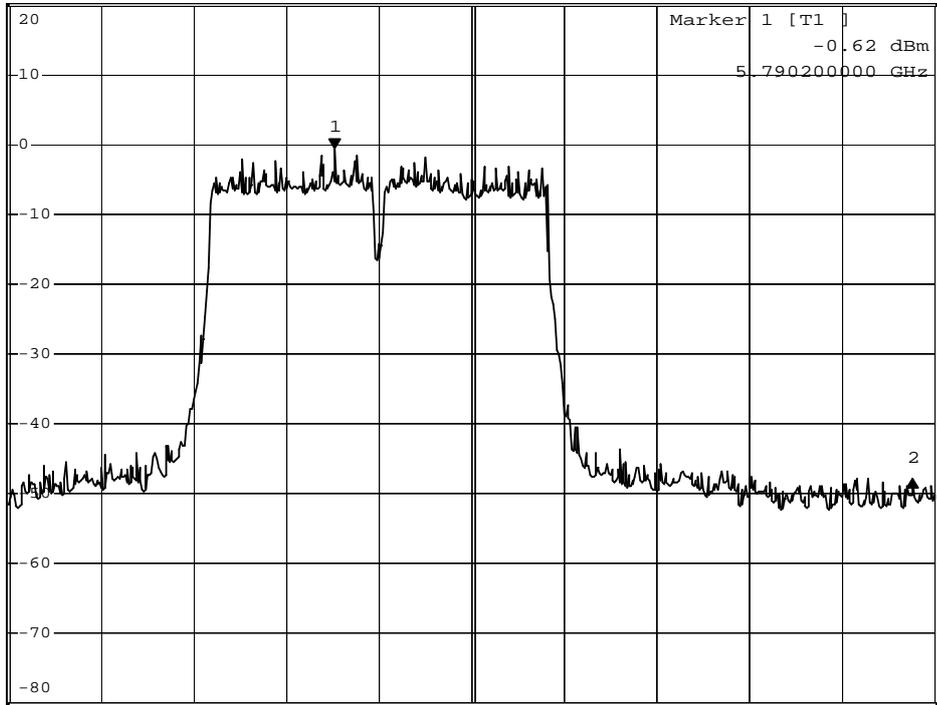
Channel 159 (5795MHz)



*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -47.30 dB
SWT 20 ms 62.40000000 MHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW

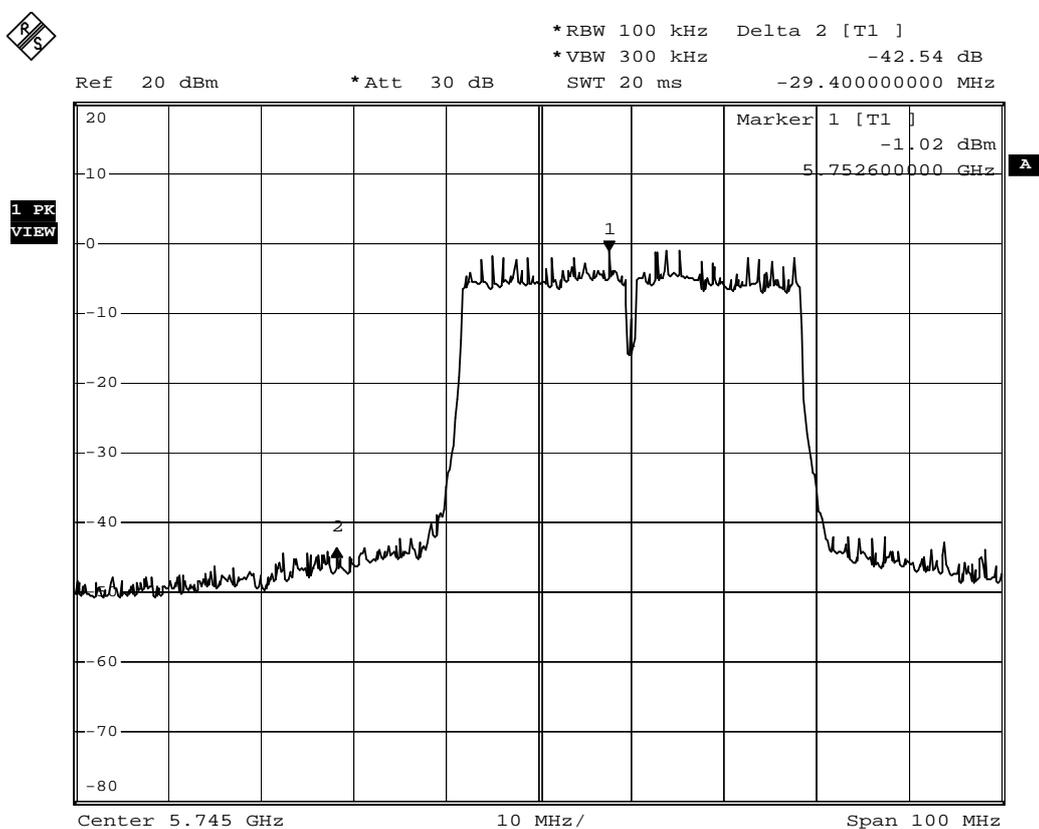


Date: 18.MAY.2012 22:33:03

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (40MHz), (ANT 2) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	42.54	≥ 20	Pass
159	5795	46.20	≥ 20	Pass

Channel 151 (5755MHz)



Date: 18.MAY.2012 22:30:37

Channel 159 (5795MHz)



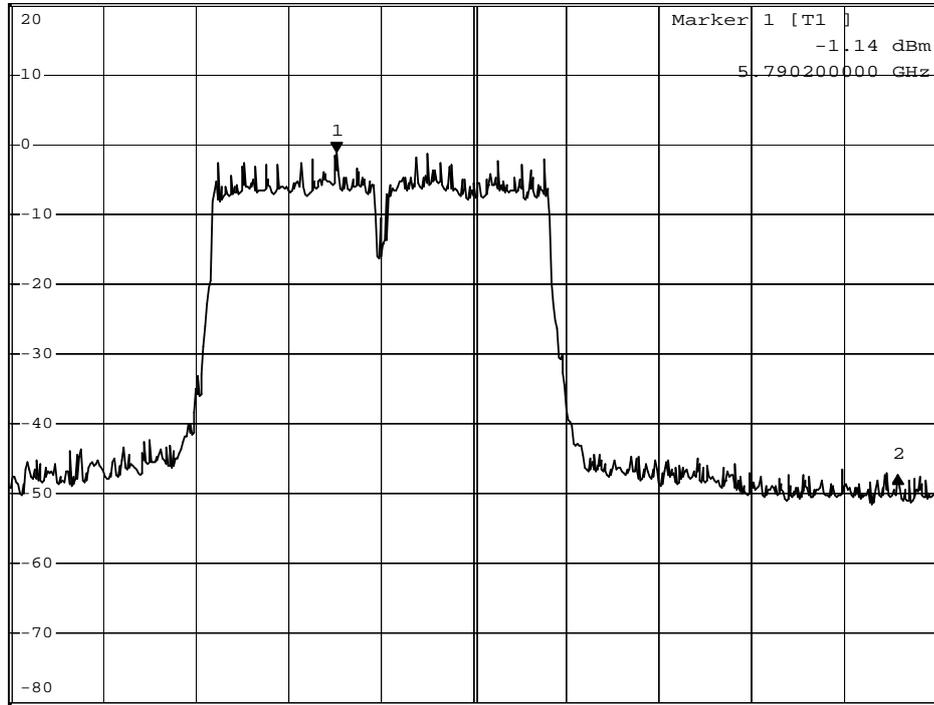
*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -46.20 dB
 SWT 20 ms 60.60000000 MHz

Ref 20 dBm

*Att 30 dB

60.60000000 MHz

1 PK
VIEW



Marker 1 [T1]
 -1.14 dBm
 5.790200000 GHz

A

Center 5.805 GHz

10 MHz/

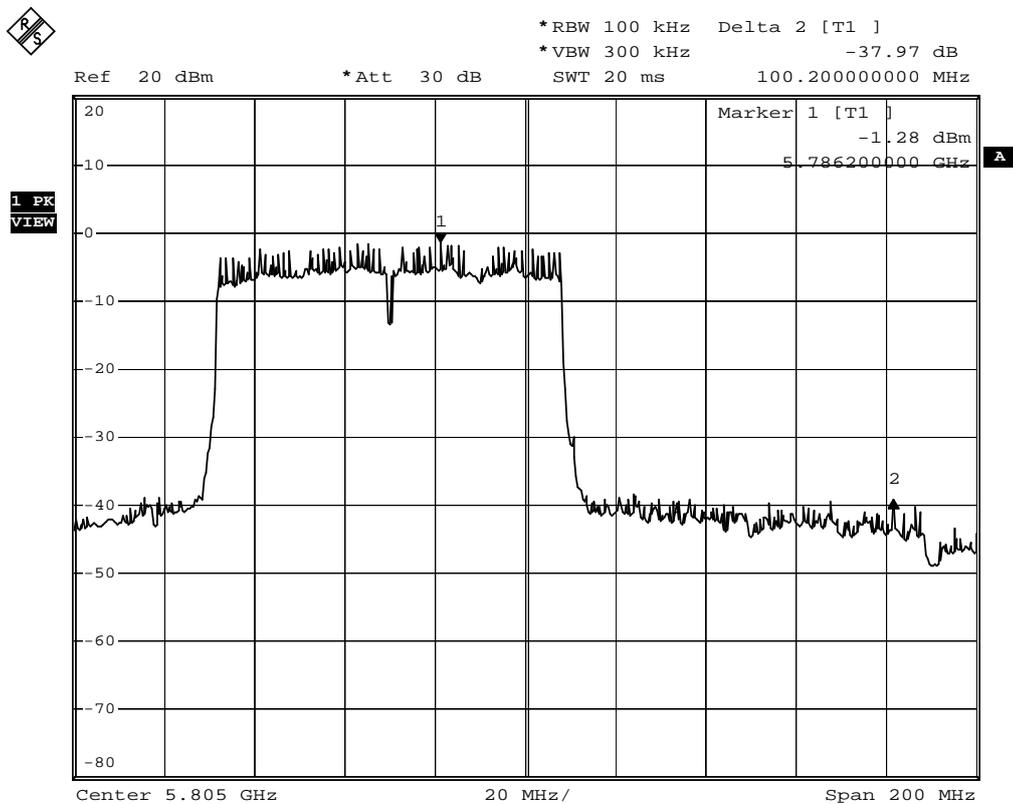
Span 100 MHz

Date: 18.MAY.2012 22:32:06

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11ac (80MHz), (ANT 0) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
155	5775	37.97	≥ 20	Pass

Channel 155 (5775MHz)

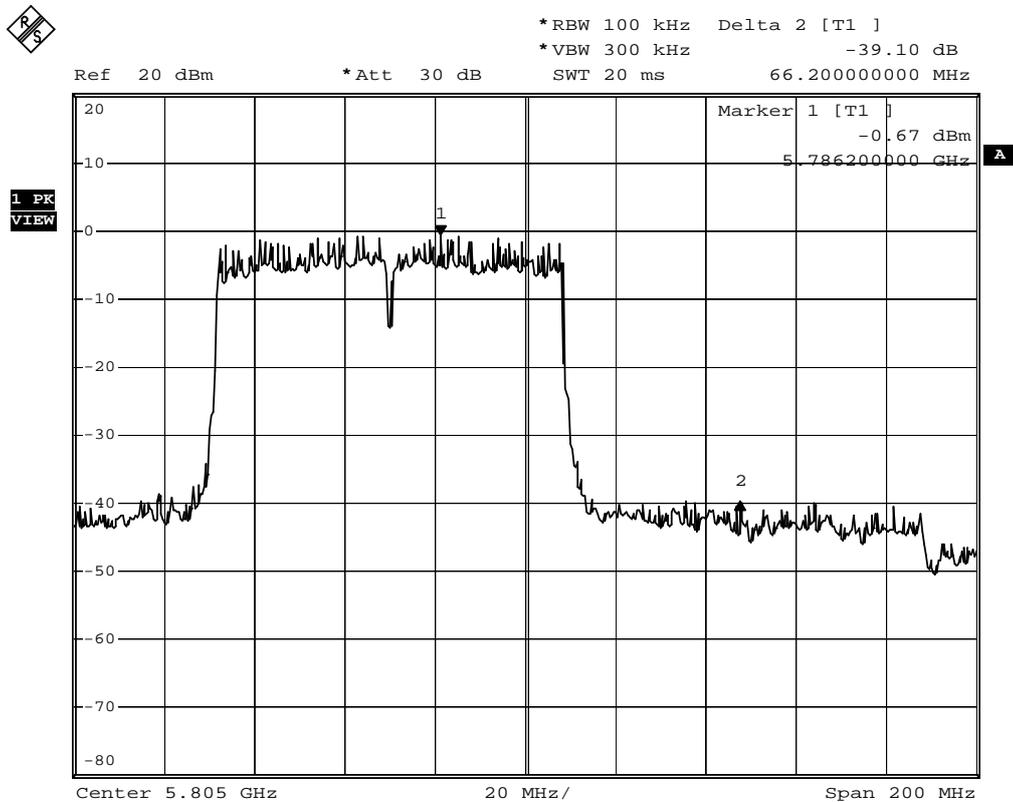


Comment: A:\2
 Date: 10.MAY.2012 21:59:22

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11ac (80MHz), (ANT 1) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
155	5775	39.10	≥ 20	Pass

Channel 155 (5775MHz)

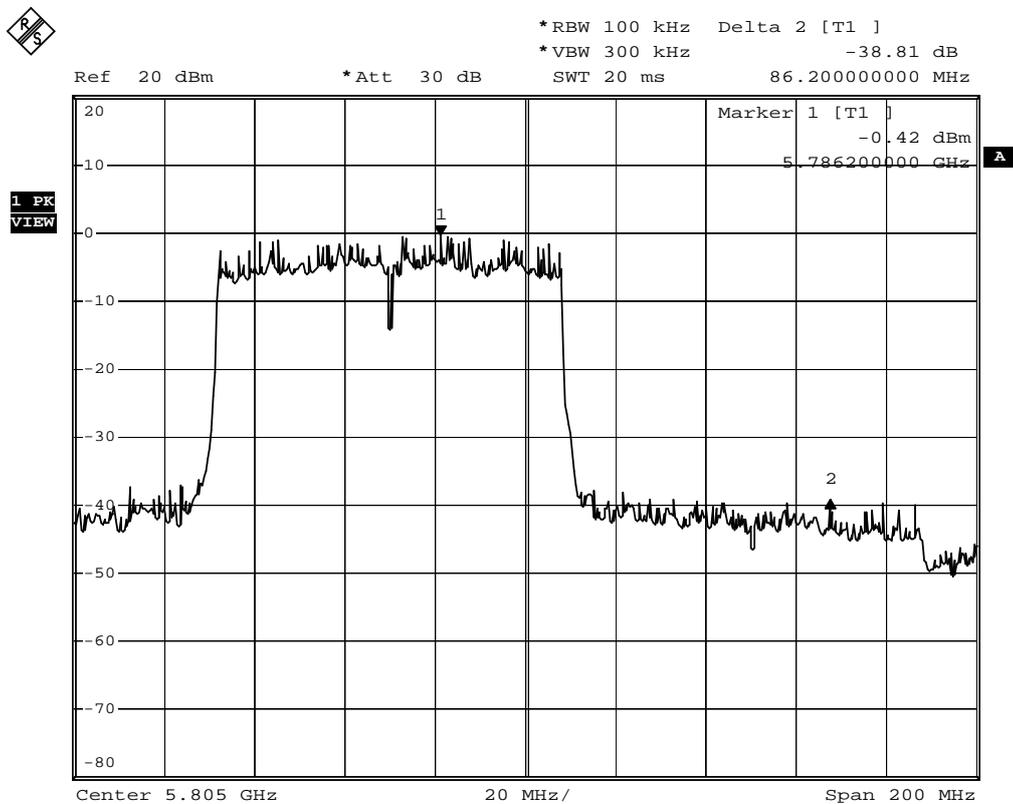


Comment: A:\2
 Date: 10.MAY.2012 22:01:27

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11ac (80MHz), (ANT 2) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
155	5775	38.81	≥ 20	Pass

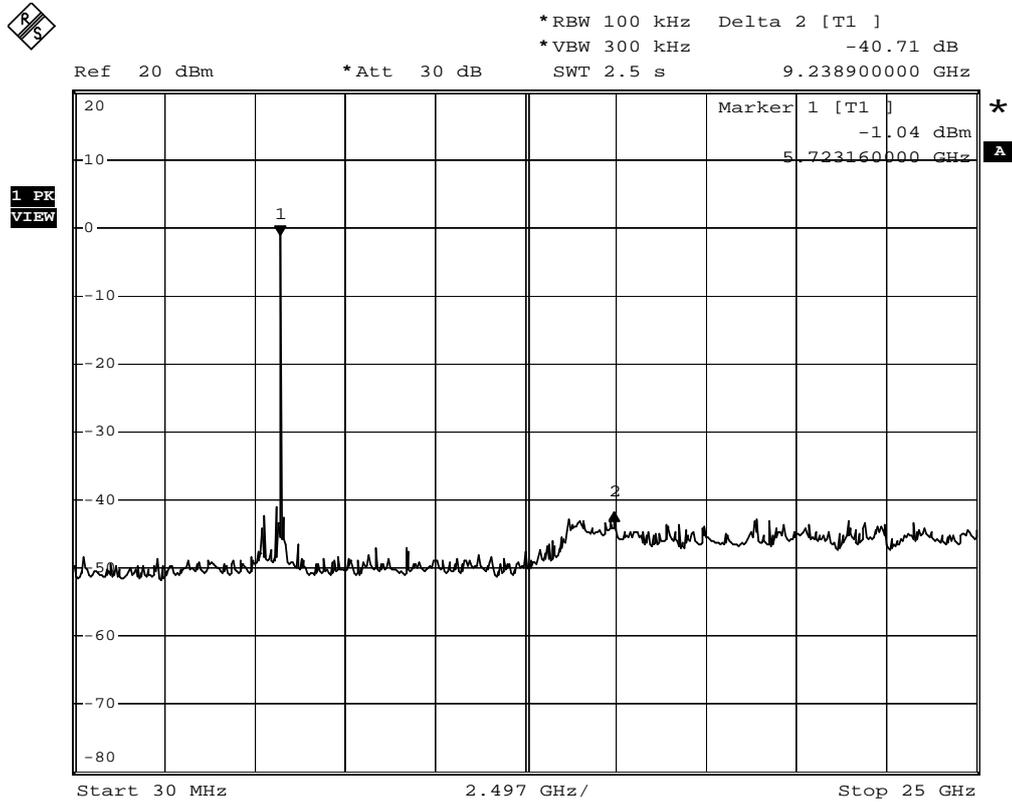
Channel 155 (5775MHz)



Comment: A:\2
 Date: 10.MAY.2012 22:02:17

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

5745MHz (30MHz~25GHz)-802.11ac(20MHz)-ANT 0



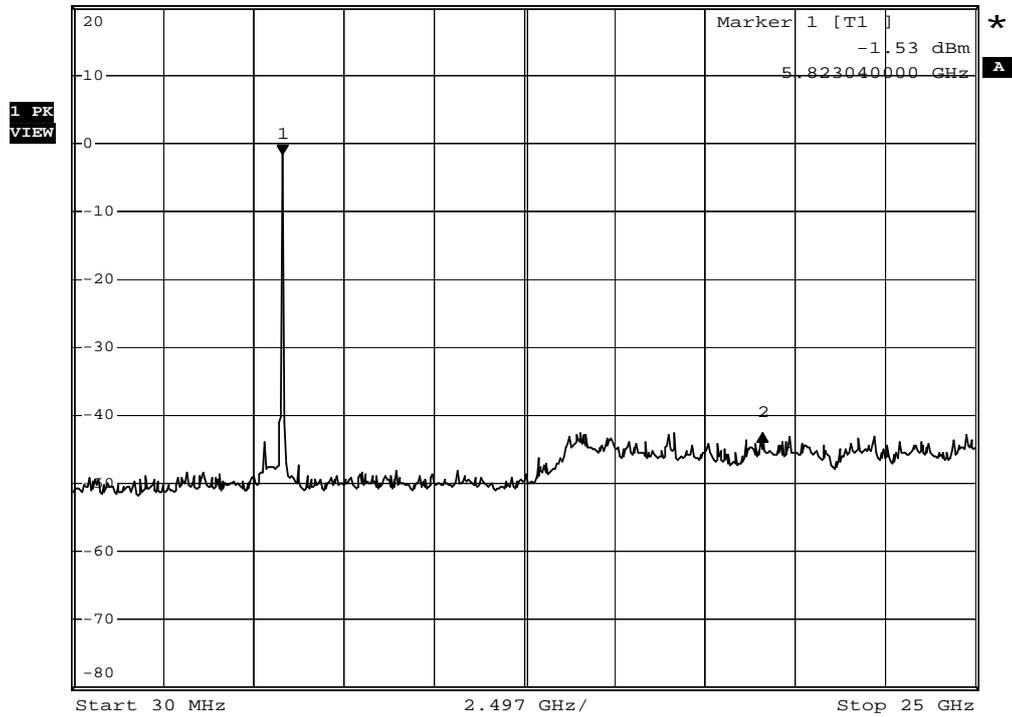
Comment: A:\2
 Date: 18.MAY.2012 21:52:53

5825MHz (30MHz~25GHz) -802.11ac(20MHz)-ANT 0



*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -40.98 dB
 SWT 2.5 s 13.284040000 GHz

Ref 20 dBm *Att 30 dB



Comment: A:\2
 Date: 18.MAY.2012 21:53:26

5745MHz (30MHz~25GHz)-802.11ac(20MHz)-ANT 1



*RBW 100 kHz Delta 2 [T1]

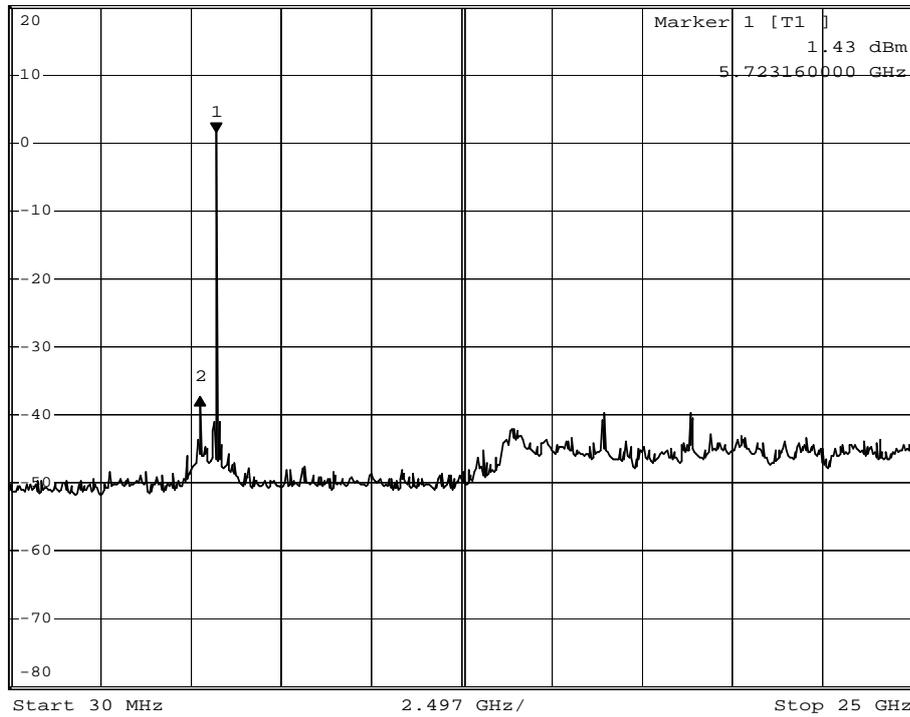
*VBW 300 kHz -38.91 dB

SWT 2.5 s -449.46000000 MHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Comment: A:\2

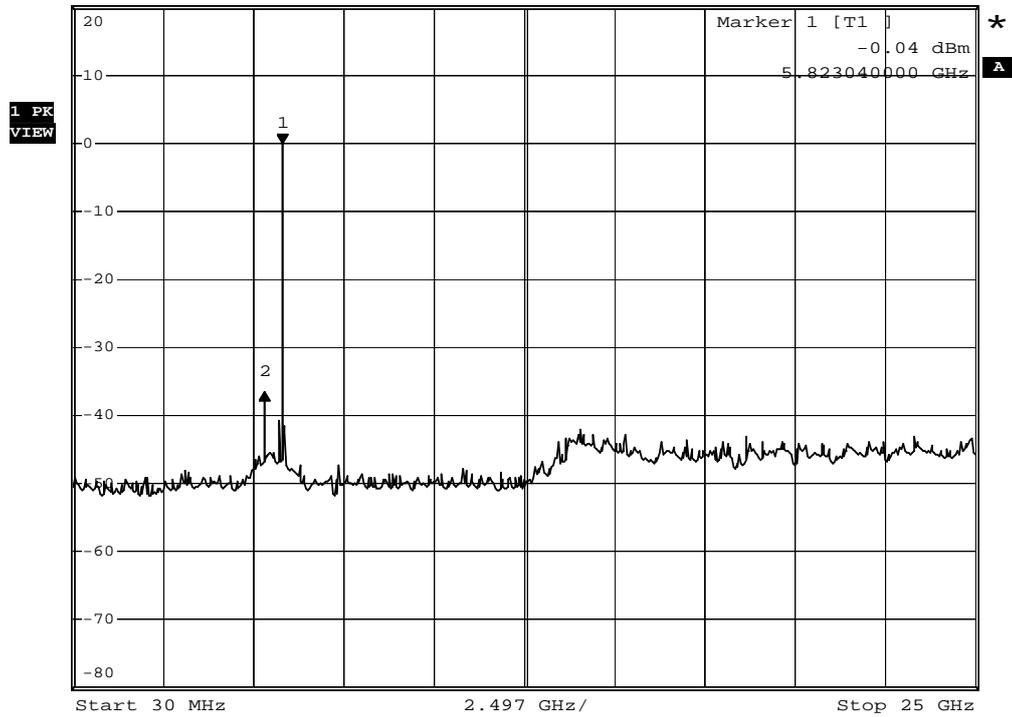
Date: 18.MAY.2012 21:52:05

5825MHz (30MHz~25GHz) -802.11ac(20MHz)-ANT 1



*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -36.55 dB
 SWT 2.5 s -499.40000000 MHz

Ref 20 dBm *Att 30 dB



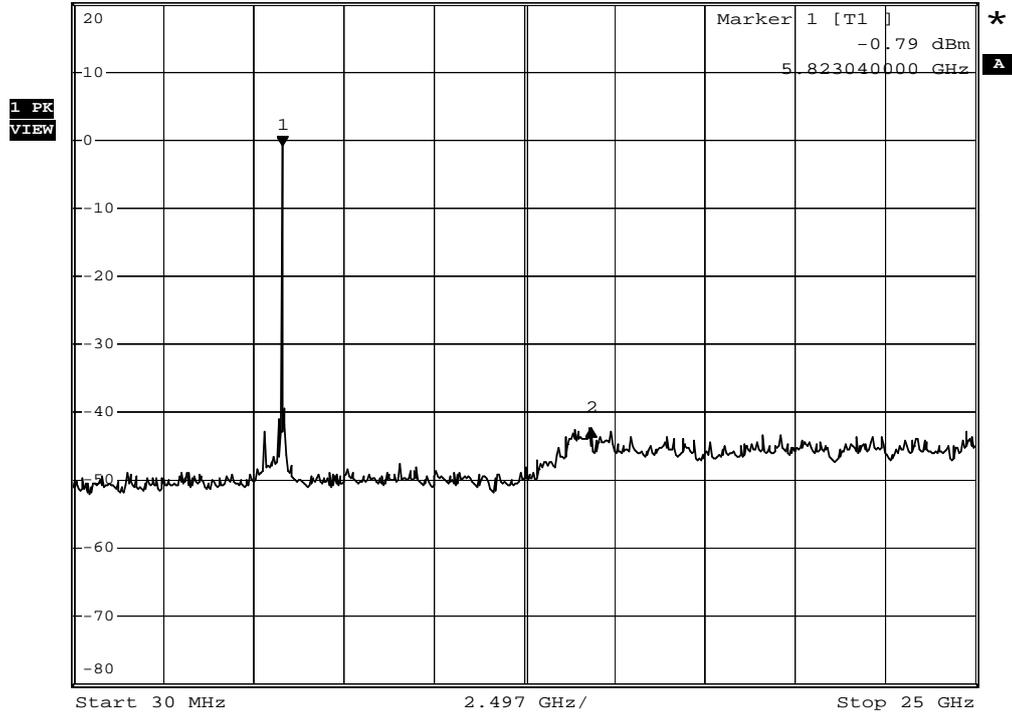
Comment: A:\2
 Date: 18.MAY.2012 21:51:31

5825MHz (30MHz~25GHz) -802.11ac(20MHz)-ANT 2



*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -41.54 dB
SWT 2.5 s 8.539740000 GHz

Ref 20 dBm *Att 30 dB



Comment: A:\2
Date: 18.MAY.2012 21:50:35

5755MHz (30MHz~25GHz)-802.11ac(40MHz)-ANT 0



*RBW 100 kHz Delta 2 [T1]

*VBW 300 kHz -39.99 dB

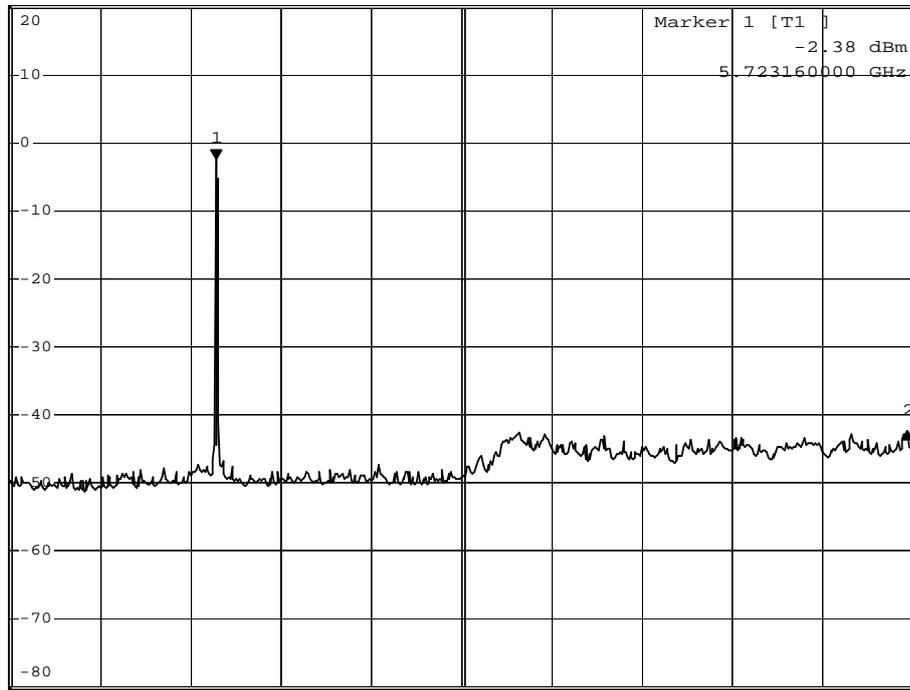
SWT 2.5 s

19.127020000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Start 30 MHz

2.497 GHz/

Stop 25 GHz

Comment: A:\2

Date: 18.MAY.2012 21:46:01

5755MHz (30MHz~25GHz)-802.11ac(40MHz)-ANT 1



*RBW 100 kHz Delta 2 [T1]

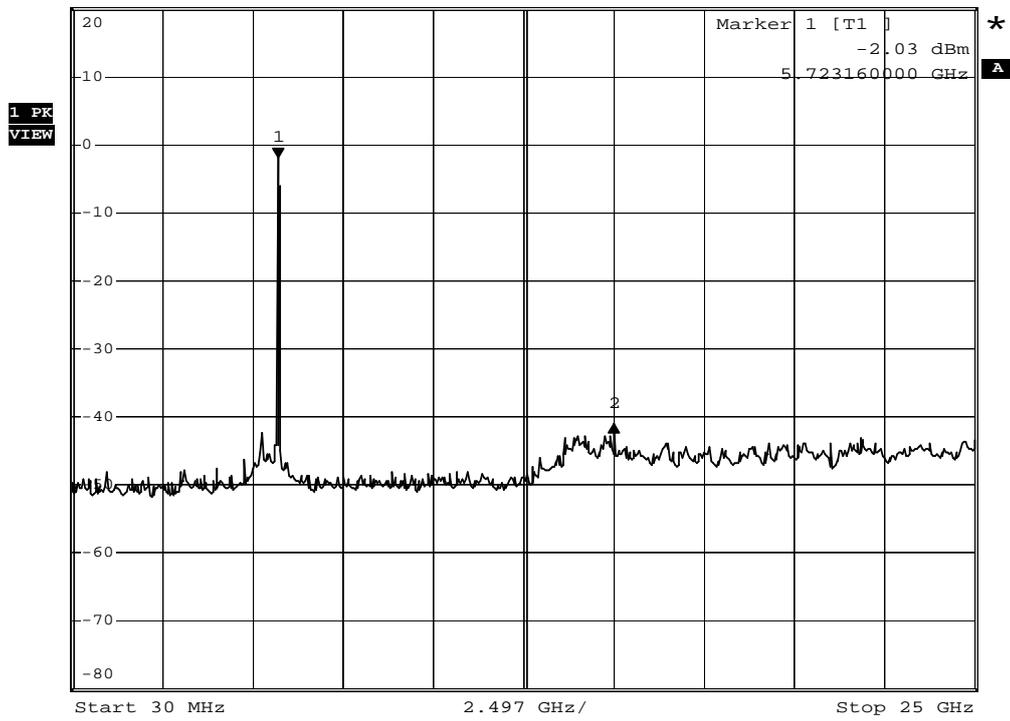
*VBW 300 kHz -38.86 dB

SWT 2.5 s

9.288840000 GHz

Ref 20 dBm

*Att 30 dB



Comment: A:\2
Date: 18.MAY.2012 21:47:00

5795MHz (30MHz~25GHz) -802.11ac(40MHz)-ANT 1



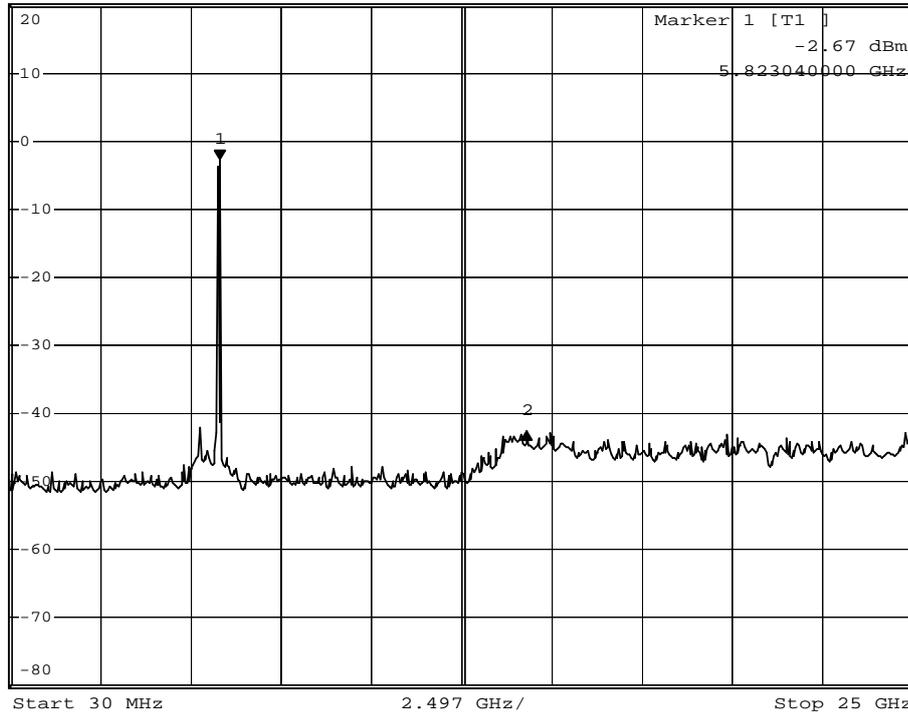
*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -39.86 dB
SWT 2.5 s 8.489800000 GHz

Ref 20 dBm

*Att 30 dB

Marker 1 [T1] *
-2.67 dBm
5.823040000 GHz A

1 PK VIEW



Comment: A:\2
Date: 18.MAY.2012 21:47:38

5795MHz (30MHz~25GHz) -802.11ac(40MHz)-ANT 2



*RBW 100 kHz Delta 2 [T1]

*VBW 300 kHz -38.66 dB

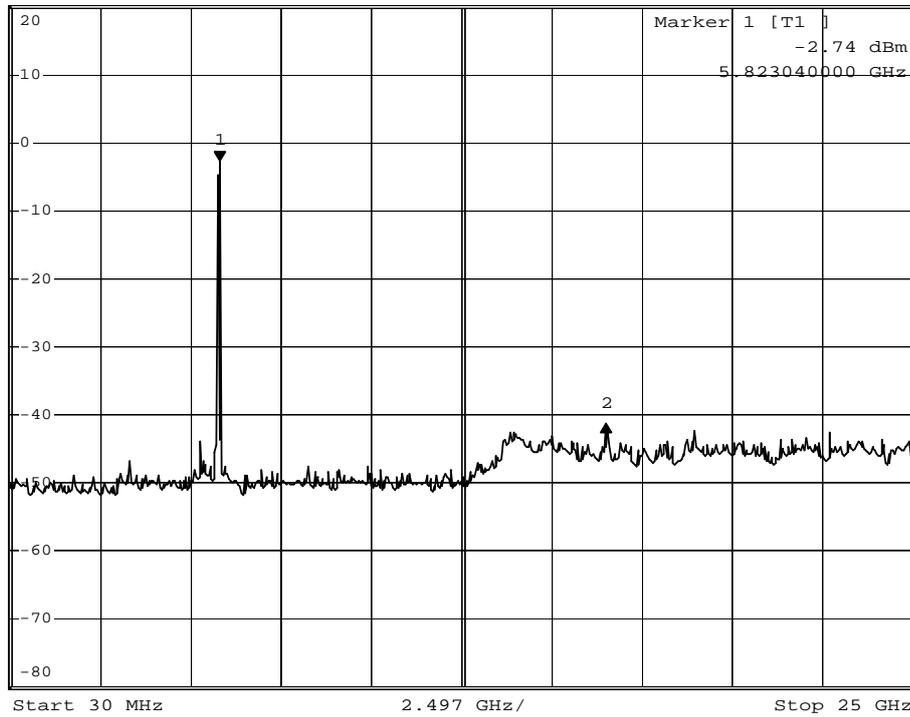
SWT 2.5 s

10.687160000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Comment: A:\2

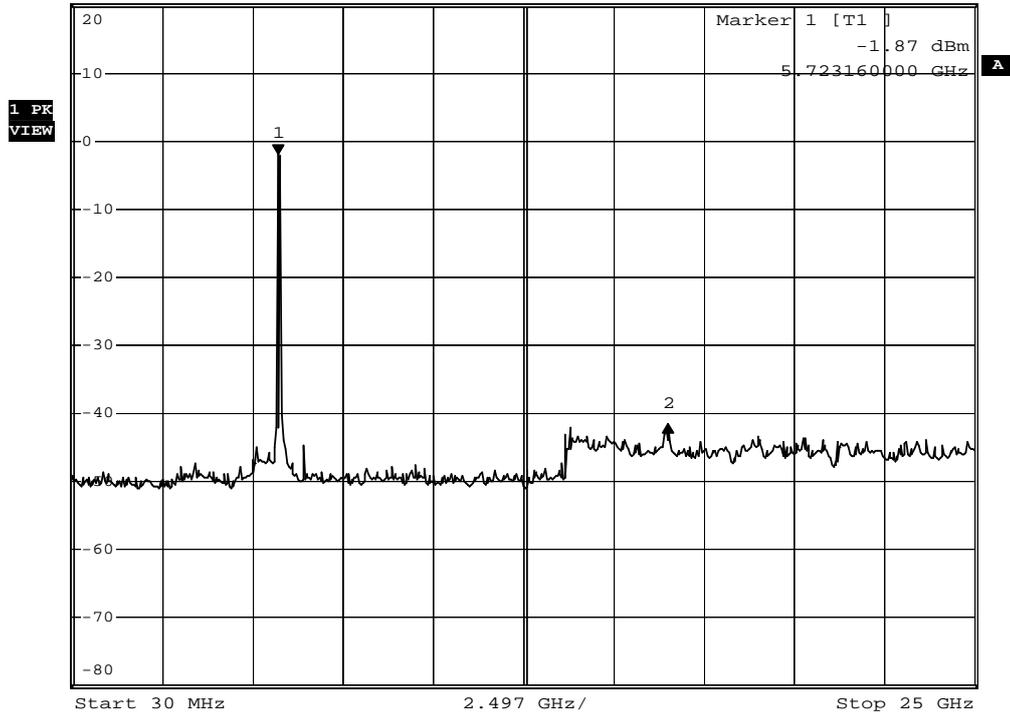
Date: 18.MAY.2012 21:48:34

5775MHz (30MHz~25GHz) -802.11ac(80MHz)-ANT 0



*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -39.81 dB
SWT 2.5 s 10.800460000 GHz

Ref 20 dBm *Att 30 dB



Comment: A:\2
Date: 10.MAY.2012 22:00:02

5775MHz (30MHz~25GHz) -802.11ac(80MHz)-ANT 1

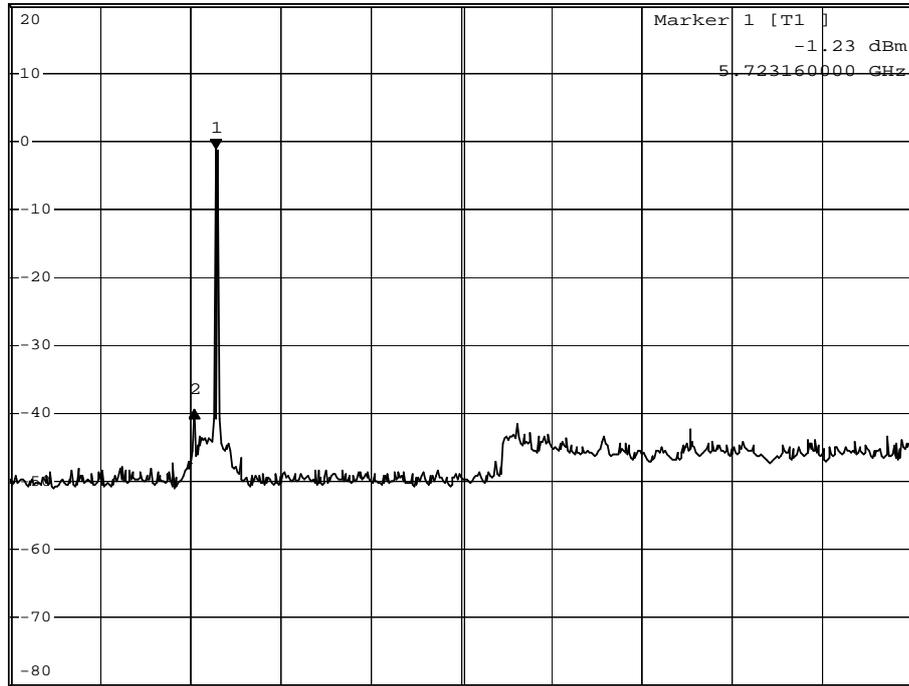


*RBW 100 kHz Delta 2 [T1]
 *VBW 300 kHz -38.15 dB
 SWT 2.5 s -588.479540000 MHz

Ref 20 dBm

*Att 30 dB

1 PK VIEW



Start 30 MHz

2.497 GHz/

Stop 25 GHz

Comment: A:\2

Date: 10.MAY.2012 22:00:58

5775MHz (30MHz~25GHz) -802.11ac(80MHz)-ANT 2

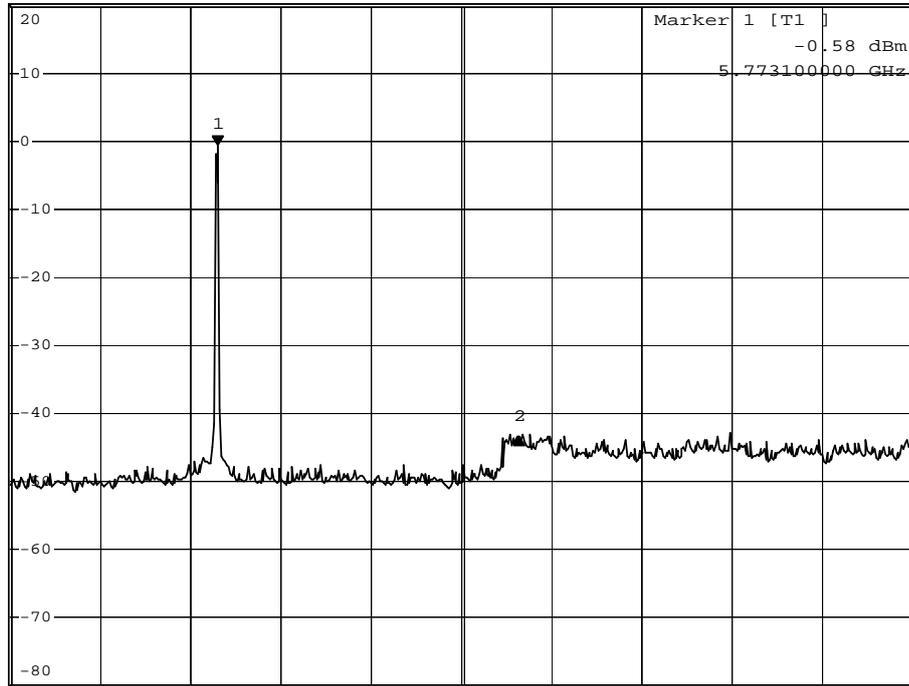


*RBW 100 kHz Delta 2 [T1]
*VBW 300 kHz -42.85 dB
SWT 2.5 s 8.339400000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Start 30 MHz

2.497 GHz/

Stop 25 GHz

Comment: A:\2

Date: 10.MAY.2012 22:02:50

6. Radiated Emission Band Edge

6.1. Test Equipment

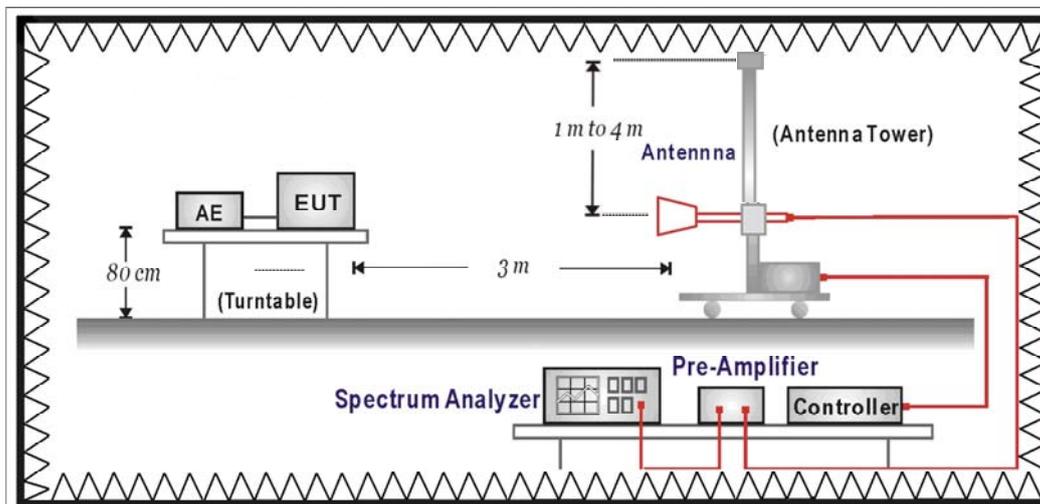
The following test equipments are used during the test:

Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2013/02/02
Spectrum Analyzer	Agilent	E4440A	MY46187335	2013/02/07
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2013/03/04

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

6.2. Test Setup



6.3. 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.

6.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

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 C63.4: 2009 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

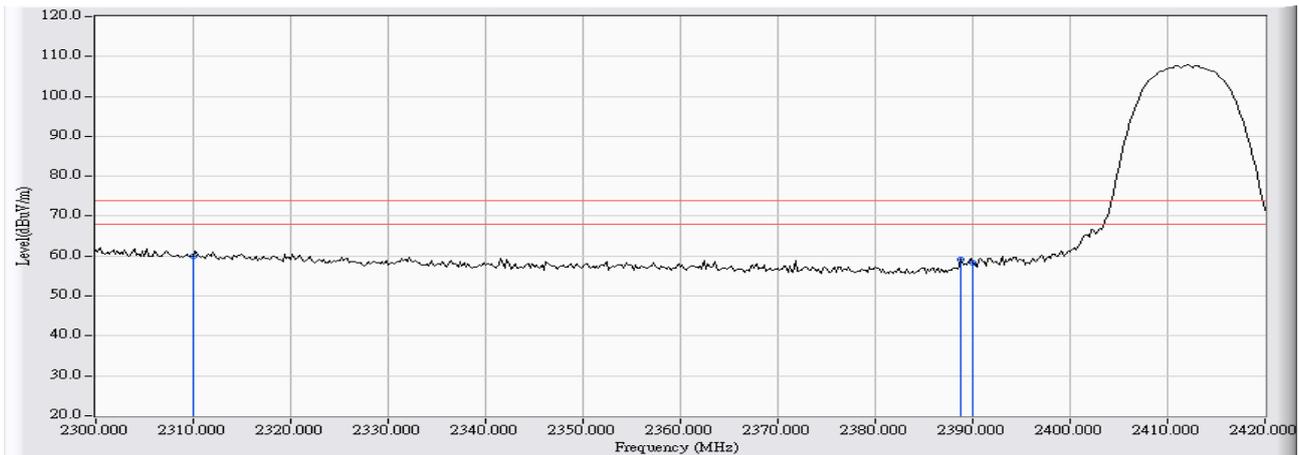
6.6. Uncertainty

The measurement uncertainty
 ± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	Time : 2012/04/27 - 20:07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11b_2412MHz

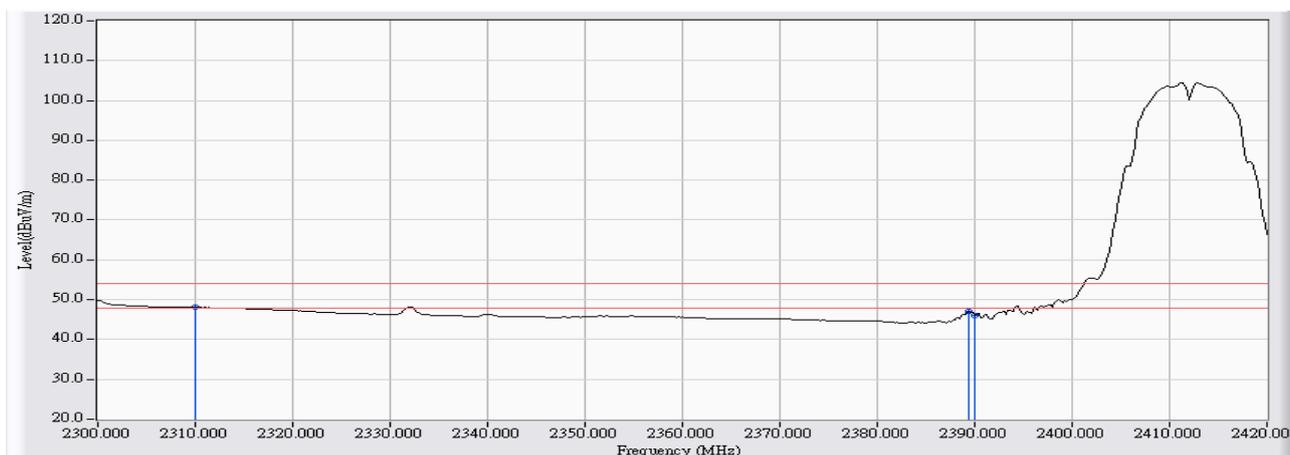


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2310.000	28.263	31.809	60.072	-13.928	74.000	PEAK
2		2388.800	28.571	30.544	59.115	-14.885	74.000	PEAK
3		2390.000	28.575	29.748	58.323	-15.677	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 20:07
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11b_2412MHz

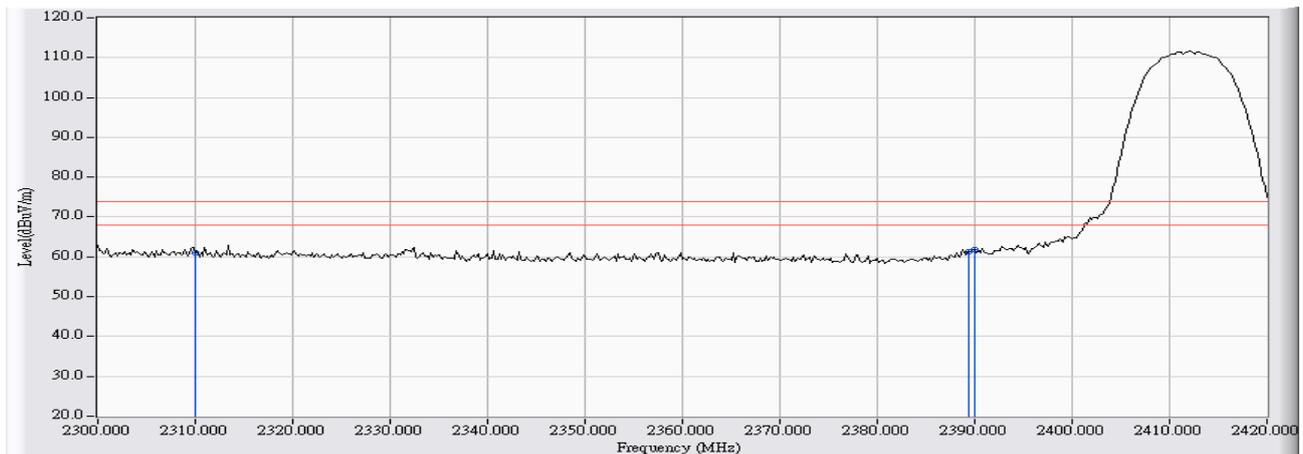


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2310.000	28.263	19.819	48.082	-5.918	54.000	AVERAGE
2		2389.400	28.573	18.425	46.998	-7.002	54.000	AVERAGE
3		2390.000	28.575	17.500	46.075	-7.925	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 20:04
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11b_2412MHz

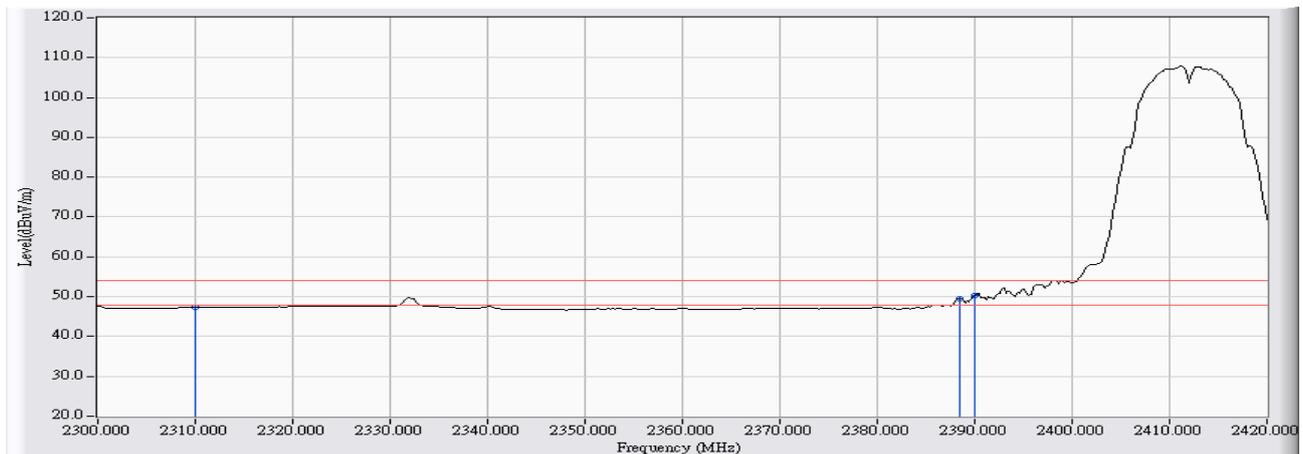


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	32.666	60.929	-13.071	74.000	PEAK
2	2389.400	28.573	32.730	61.303	-12.697	74.000	PEAK
3	* 2390.000	28.575	33.350	61.925	-12.075	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 20:05
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11b_2412MHz

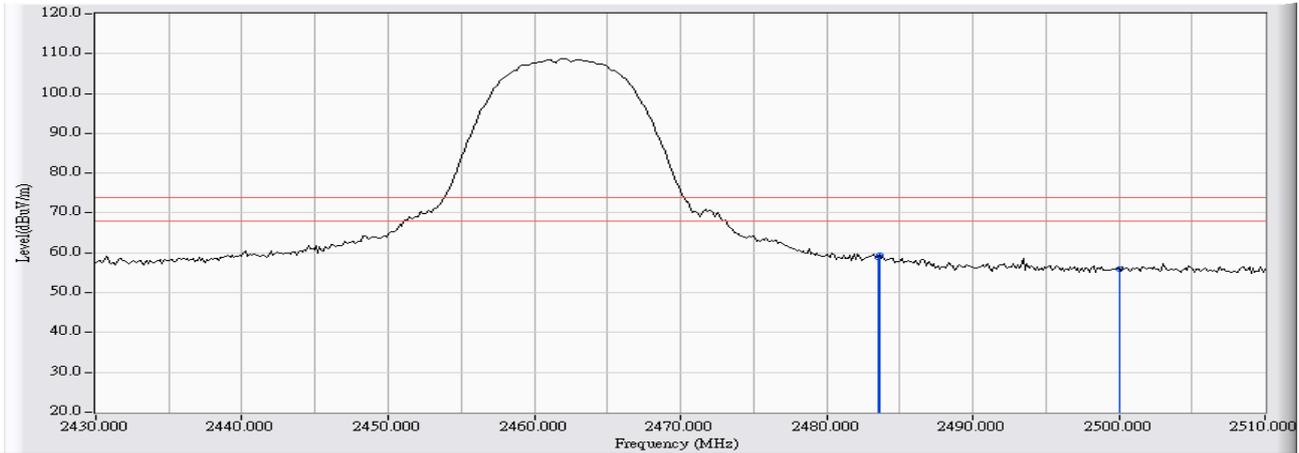


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	19.079	47.342	-6.658	54.000	AVERAGE
2	2388.400	28.569	20.870	49.439	-4.561	54.000	AVERAGE
3	* 2390.000	28.575	21.710	50.285	-3.715	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 21:21
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11b_2462MHz

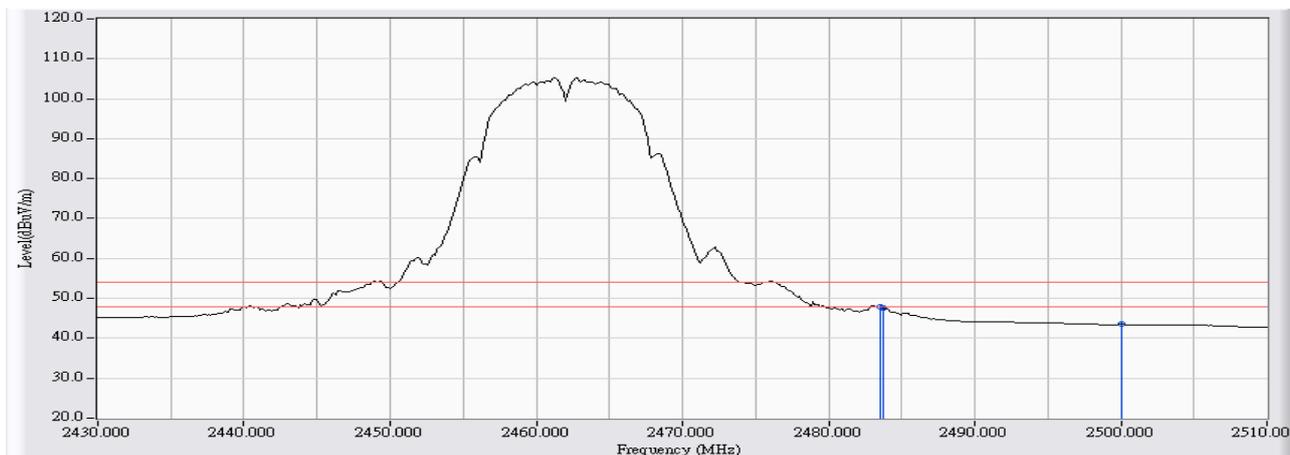


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	28.716	30.273	58.989	-15.011	74.000	PEAK
2	* 2483.600	28.716	30.693	59.409	-14.591	74.000	PEAK
3	2500.000	28.729	27.157	55.886	-18.114	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 21:21
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11b_2462MHz

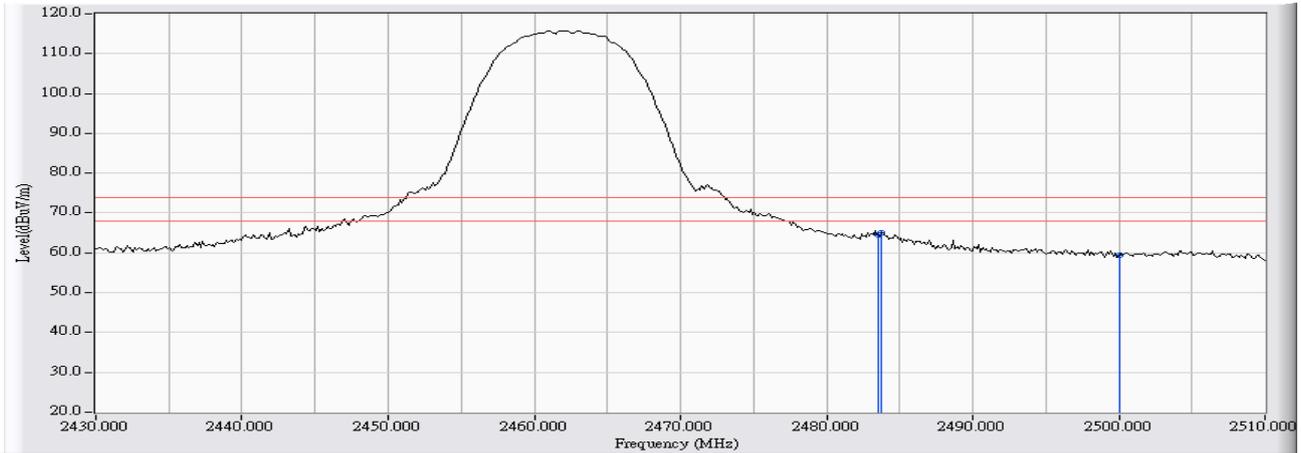


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.716	19.054	47.770	-6.230	54.000	AVERAGE
2		2483.733	28.716	18.979	47.695	-6.305	54.000	AVERAGE
3		2500.000	28.729	14.764	43.493	-10.507	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 21:12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11b_2462MHz

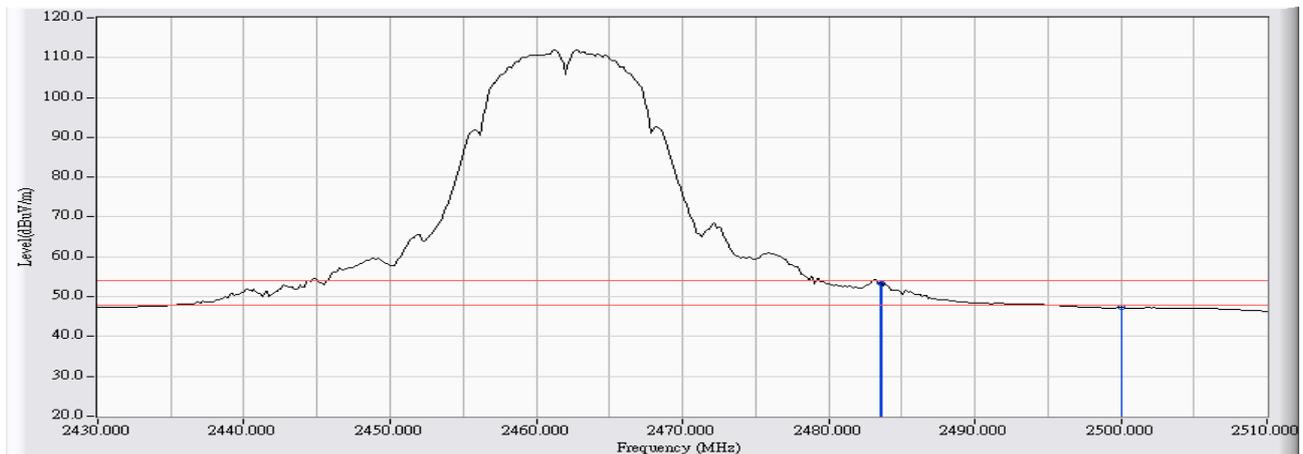


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	28.716	35.690	64.406	-9.594	74.000	PEAK
2	* 2483.733	28.716	36.415	65.131	-8.869	74.000	PEAK
3	2500.000	28.729	30.763	59.492	-14.508	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 21:15
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11b_2462MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.716	24.725	53.441	-0.559	54.000	AVERAGE
2		2483.600	28.716	24.542	53.258	-0.742	54.000	AVERAGE
3		2500.000	28.729	18.535	47.264	-6.736	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.

Site : CB1	Time : 2012/04/27 - 20:02
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11g_2412MHz

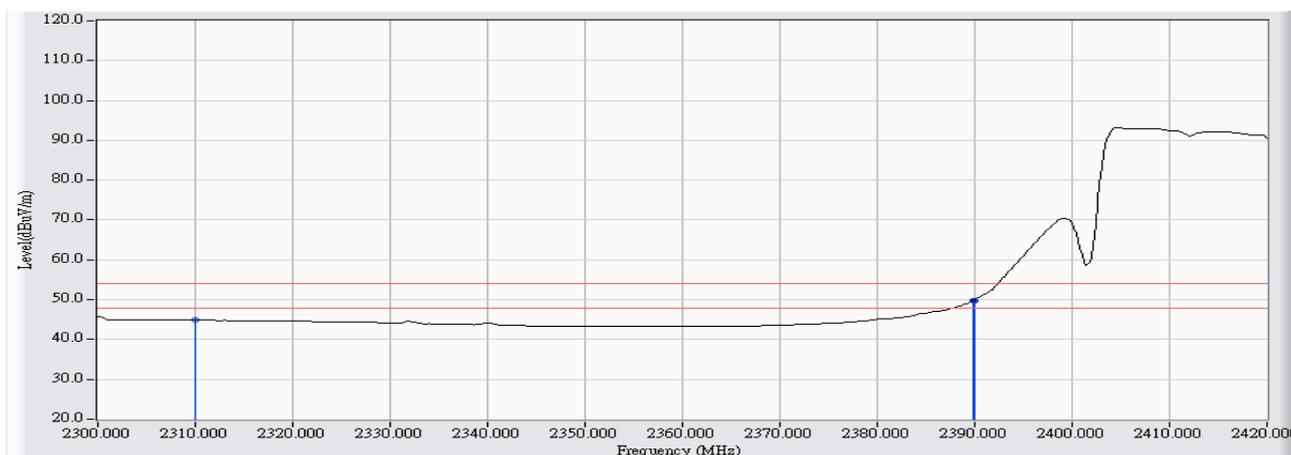


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	28.460	56.723	-17.277	74.000	PEAK
2	2388.000	28.567	38.416	66.983	-7.017	74.000	PEAK
3	* 2390.000	28.575	39.819	68.394	-5.606	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 20:02
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11g_2412MHz

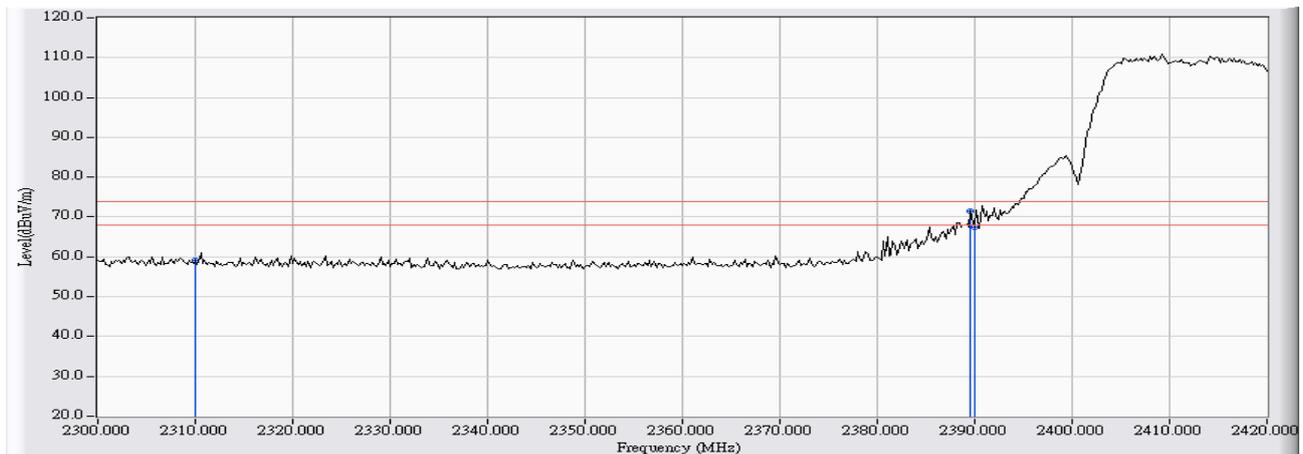


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	16.638	44.901	-9.099	54.000	AVERAGE
2	2389.800	28.574	21.110	49.684	-4.316	54.000	AVERAGE
3	* 2390.000	28.575	21.306	49.881	-4.119	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 19:58
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11g_2412MHz

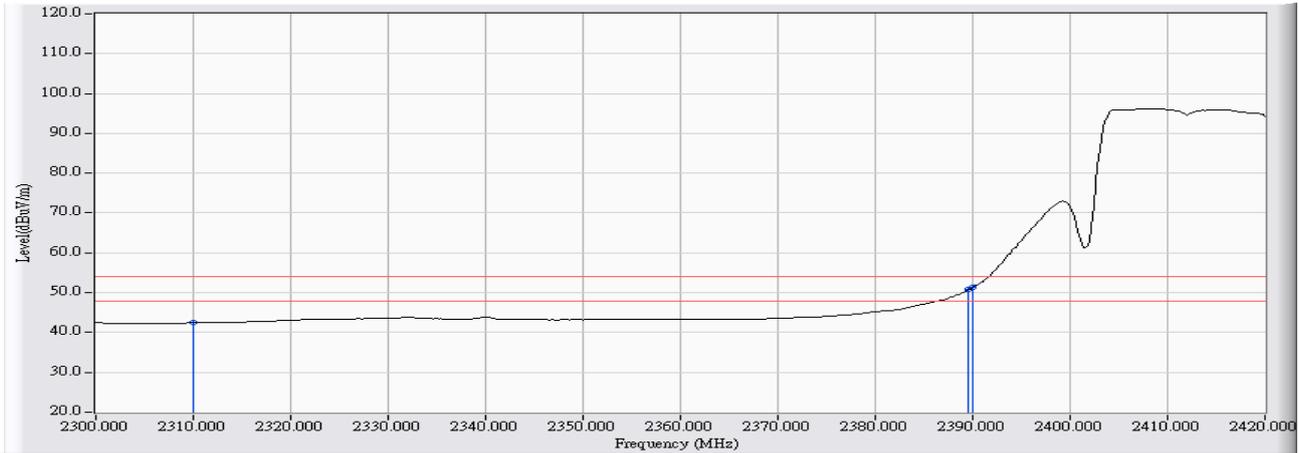


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	30.975	59.238	-14.762	74.000	PEAK
2	* 2389.600	28.574	42.793	71.367	-2.633	74.000	PEAK
3	2390.000	28.575	38.851	67.426	-6.574	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 19:59
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11g_2412MHz

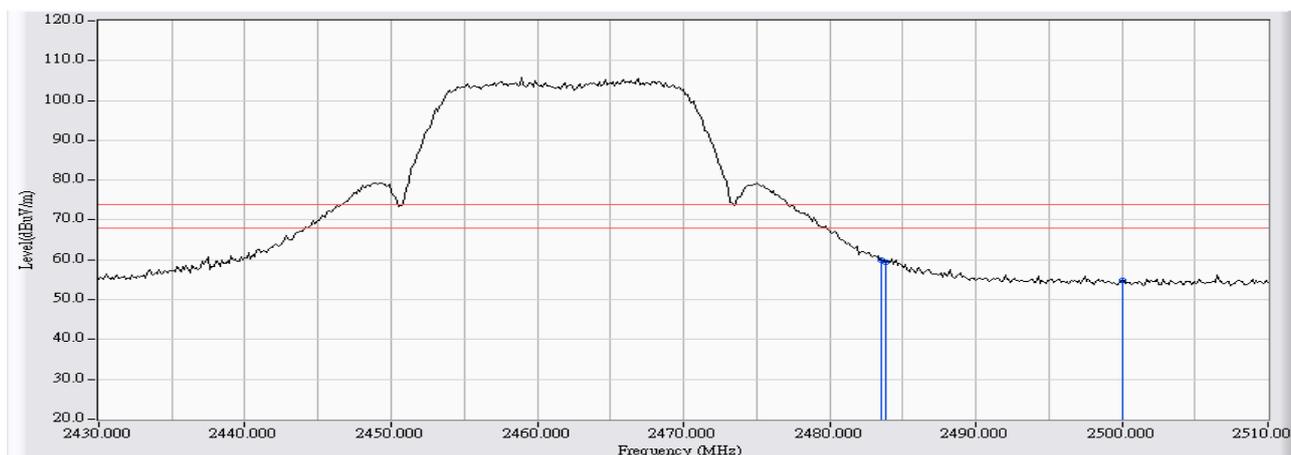


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	14.149	42.412	-11.588	54.000	AVERAGE
2	2389.600	28.574	22.148	50.722	-3.278	54.000	AVERAGE
3	* 2390.000	28.575	22.690	51.265	-2.735	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 21:09
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11g_2462MHz

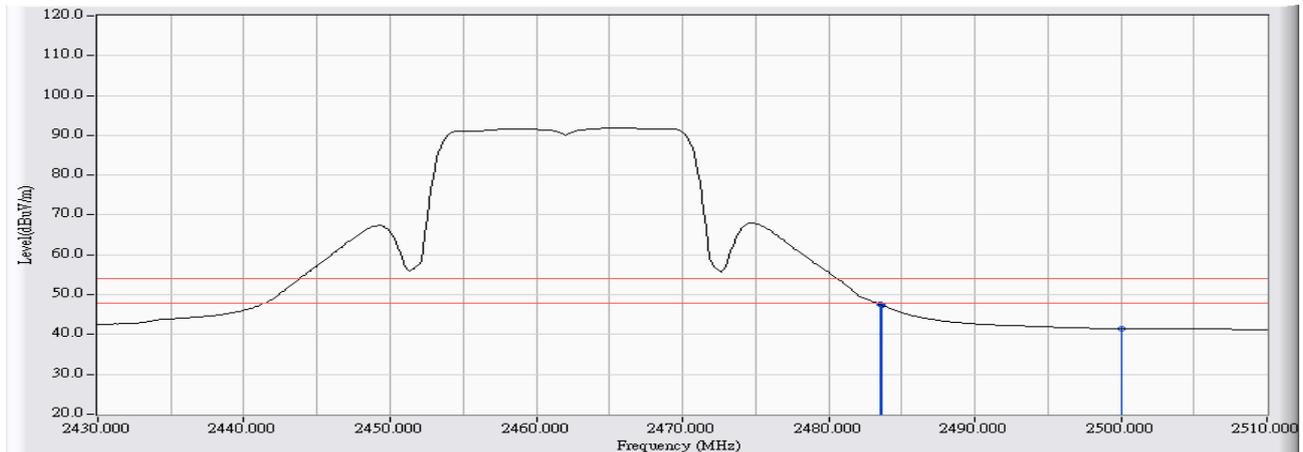


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.716	31.310	60.026	-13.974	74.000	PEAK
2		2483.867	28.716	30.664	59.381	-14.619	74.000	PEAK
3		2500.000	28.729	26.064	54.793	-19.207	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 21:10
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11g_2462MHz

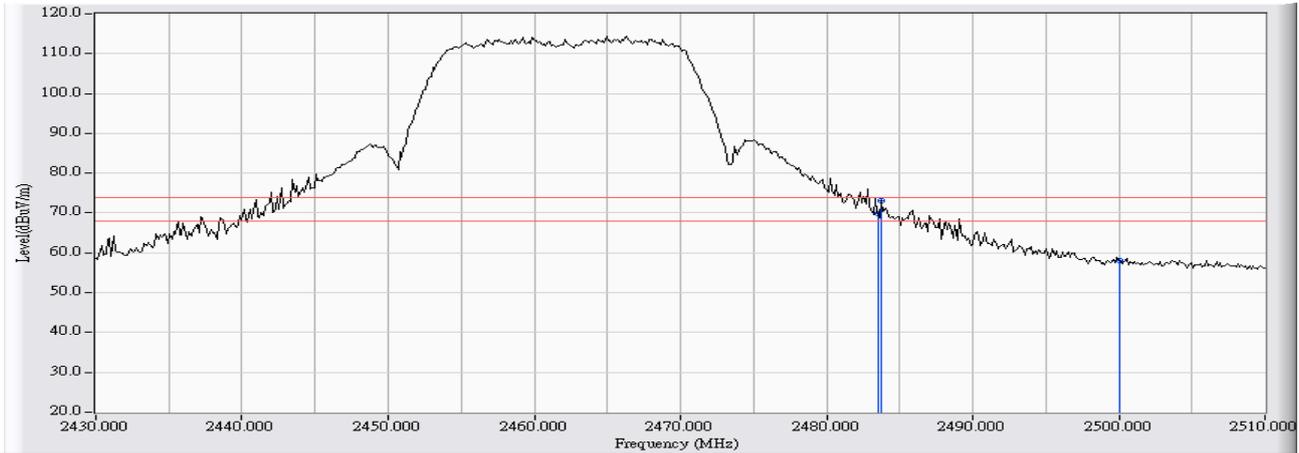


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.716	18.864	47.580	-6.420	54.000	AVERAGE
2		2483.600	28.716	18.712	47.428	-6.572	54.000	AVERAGE
3		2500.000	28.729	12.819	41.548	-12.452	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 21:00
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11g_2462MHz

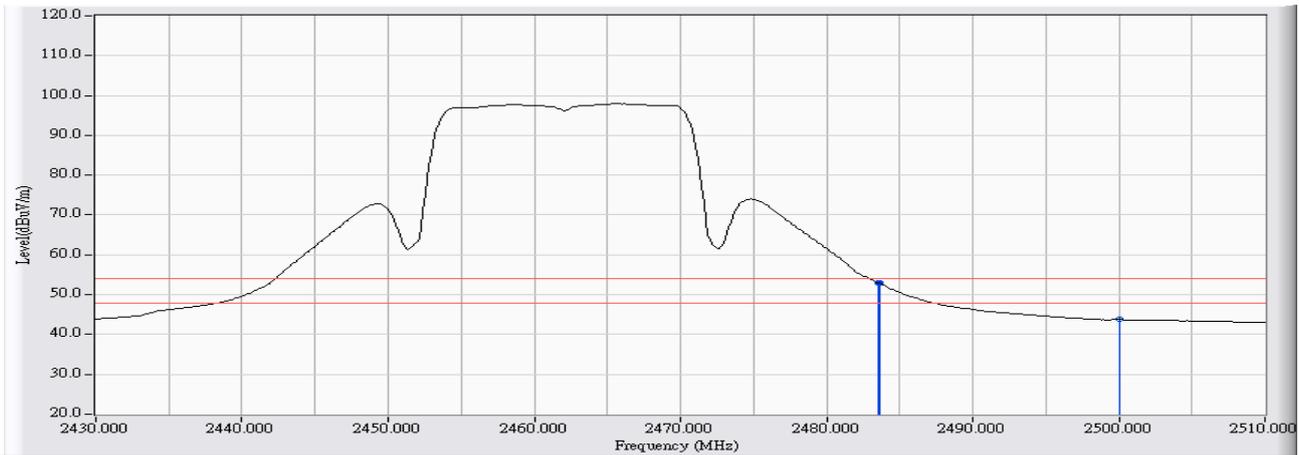


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	28.716	41.244	69.960	-4.040	74.000	PEAK
2	* 2483.733	28.716	44.340	73.056	-0.944	74.000	PEAK
3	2500.000	28.729	29.274	58.003	-15.997	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 21:05
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11g_2462MHz

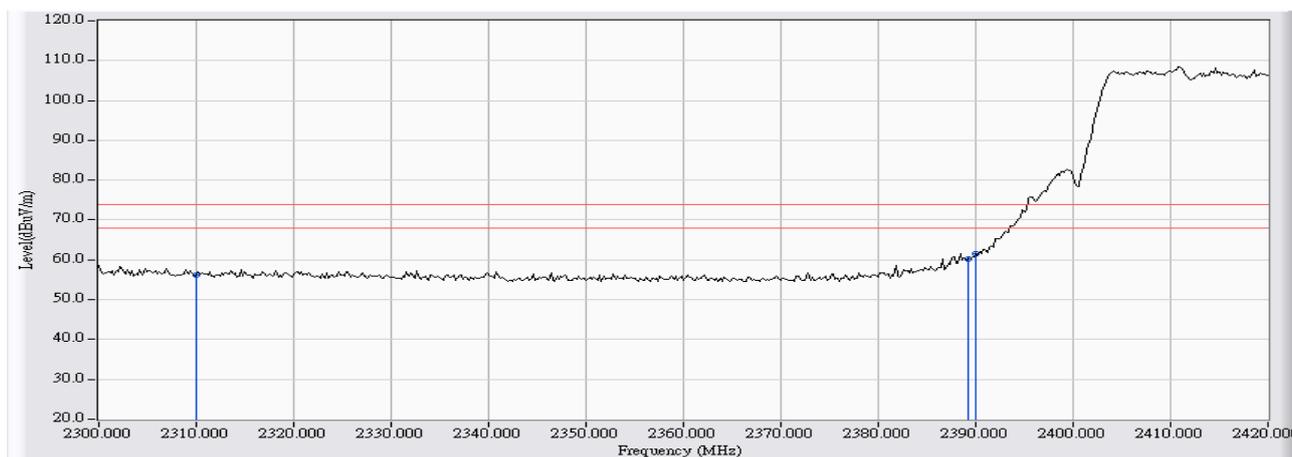


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.716	24.327	53.043	-0.957	54.000	AVERAGE
2		2483.600	28.716	24.146	52.862	-1.138	54.000	AVERAGE
3		2500.000	28.729	15.081	43.810	-10.190	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 20:14
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11(n20MHz)_2412MHz

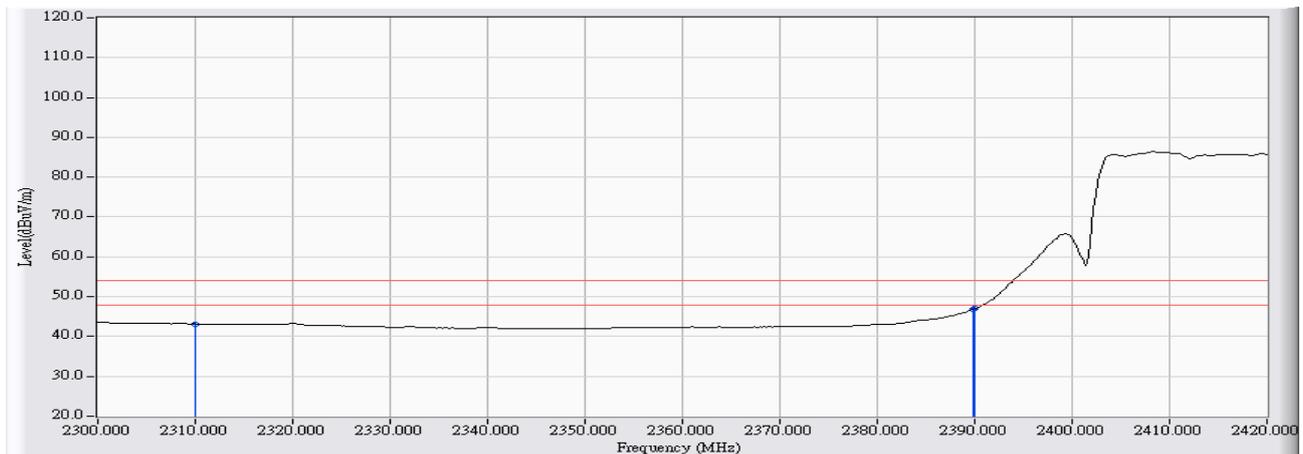


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	27.970	56.233	-17.767	74.000	PEAK
2	2389.200	28.572	31.768	60.340	-13.660	74.000	PEAK
3	* 2390.000	28.575	32.952	61.527	-12.473	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 20:15
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11(n20MHz)_2412MHz

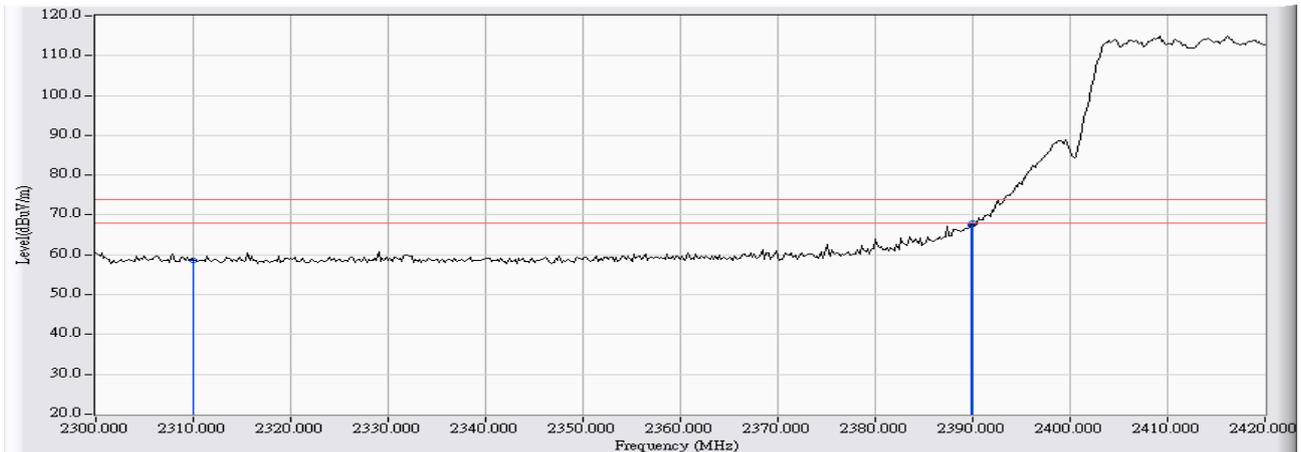


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	14.881	43.144	-10.856	54.000	AVERAGE
2	2389.800	28.574	18.152	46.726	-7.274	54.000	AVERAGE
3	* 2390.000	28.575	18.403	46.978	-7.022	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 20:10
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11(n20MHz)_2412MHz

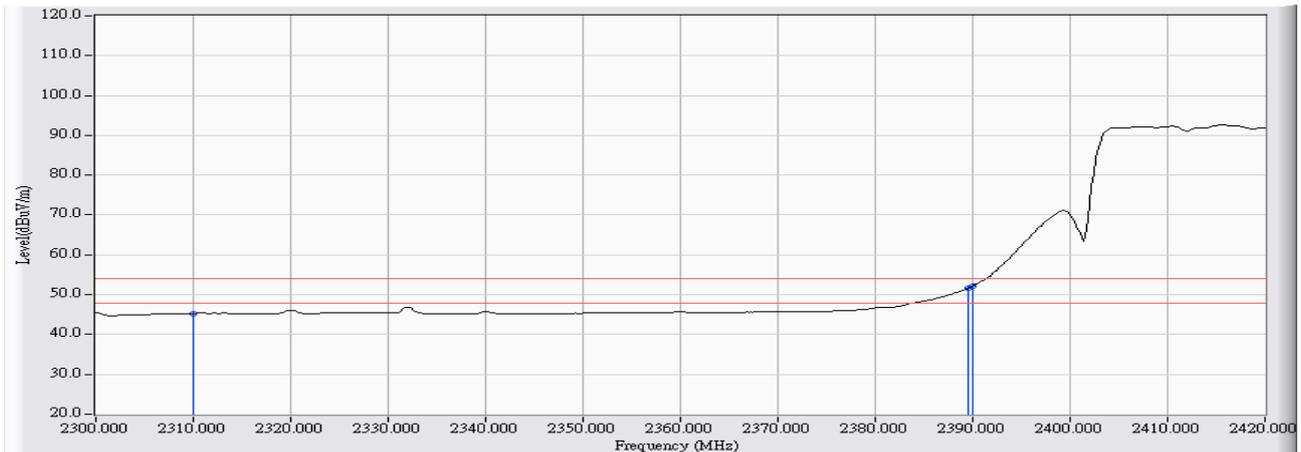


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	30.389	58.652	-15.348	74.000	PEAK
2	2389.800	28.574	38.847	67.421	-6.579	74.000	PEAK
3	* 2390.000	28.575	39.518	68.093	-5.907	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 20:11
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11(n20MHz)_2412MHz

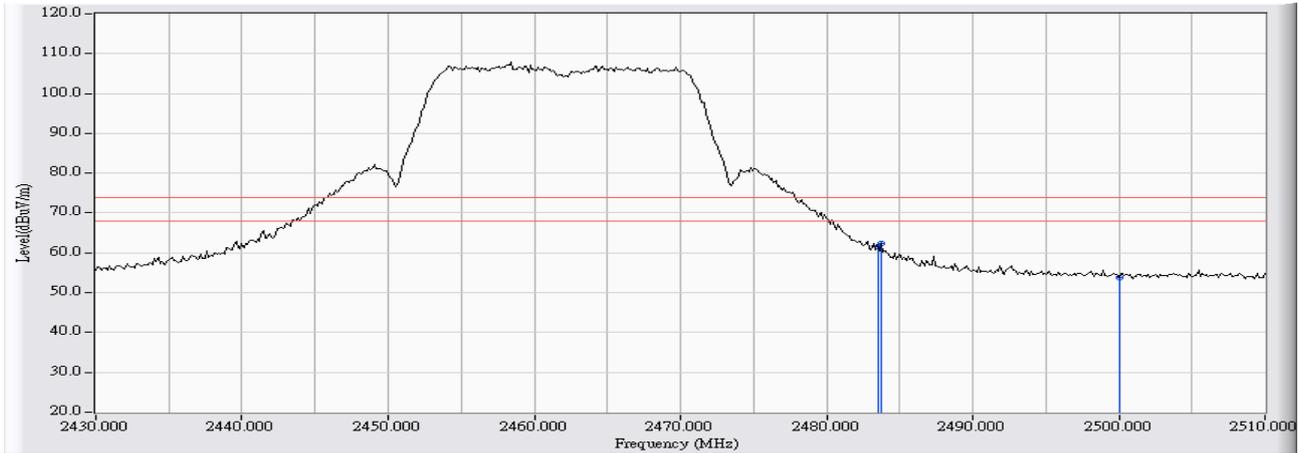


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	17.034	45.297	-8.703	54.000	AVERAGE
2	2389.600	28.574	23.086	51.660	-2.340	54.000	AVERAGE
3	* 2390.000	28.575	23.583	52.158	-1.842	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 20:55
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11(n20MHz)_2462MHz

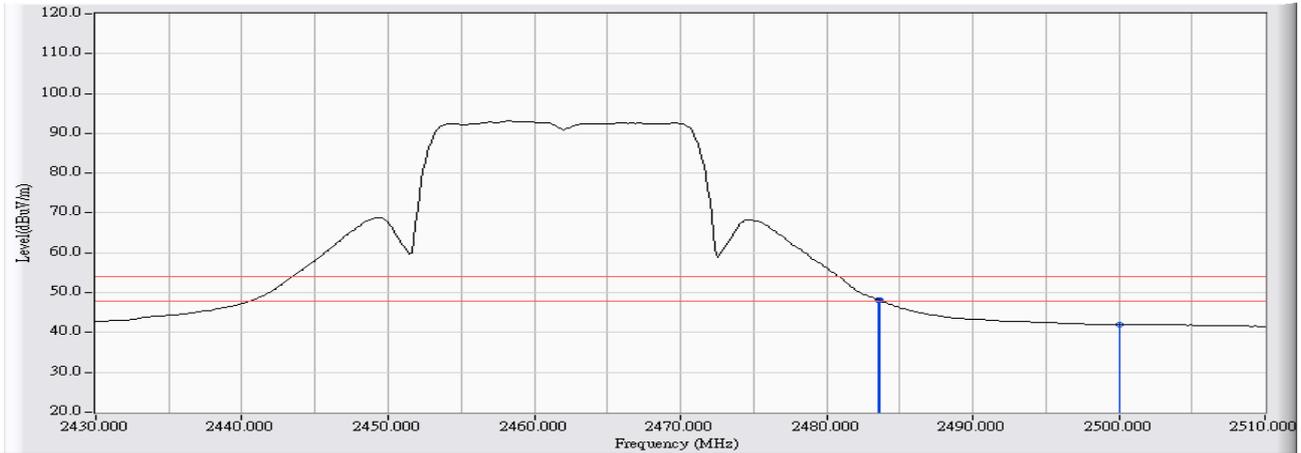


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	28.716	32.866	61.582	-12.418	74.000	PEAK
2	* 2483.733	28.716	33.530	62.246	-11.754	74.000	PEAK
3	2500.000	28.729	25.167	53.896	-20.104	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 20:56
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11(n20MHz)_2462MHz

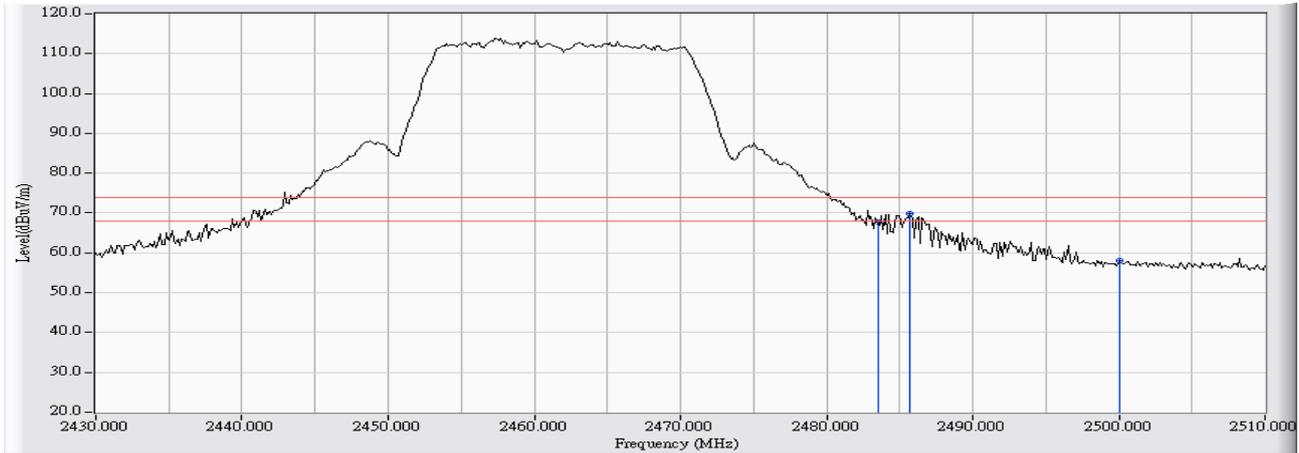


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.716	19.534	48.250	-5.750	54.000	AVERAGE
2		2483.600	28.716	19.422	48.138	-5.862	54.000	AVERAGE
3		2500.000	28.729	13.335	42.064	-11.936	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 20:51
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11(n20MHz)_2462MHz

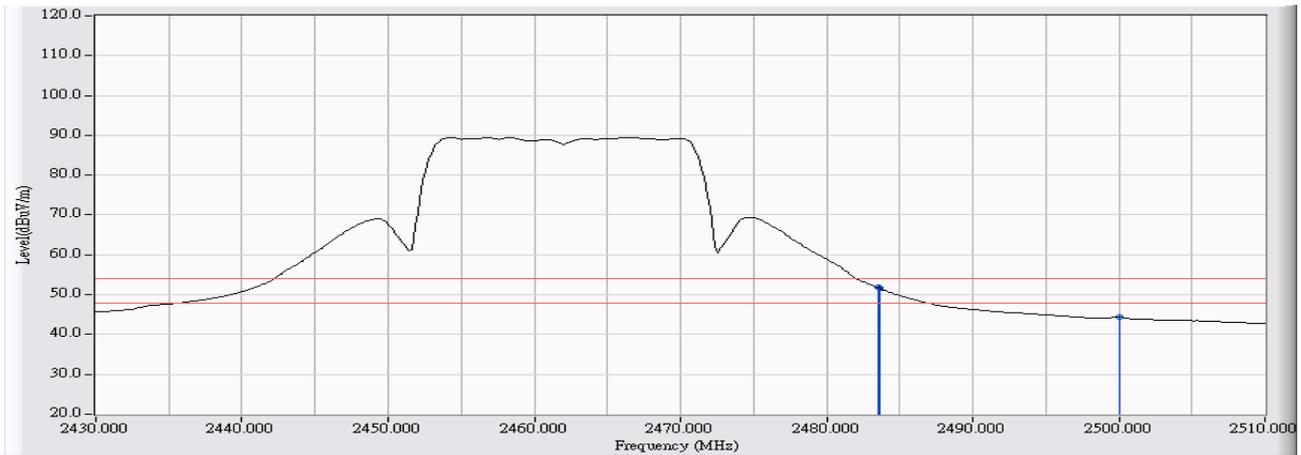


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	28.716	39.121	67.837	-6.163	74.000	PEAK
2	* 2485.733	28.718	41.215	69.933	-4.067	74.000	PEAK
3	2500.000	28.729	29.316	58.045	-15.955	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 20:52
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11(n20MHz)_2462MHz

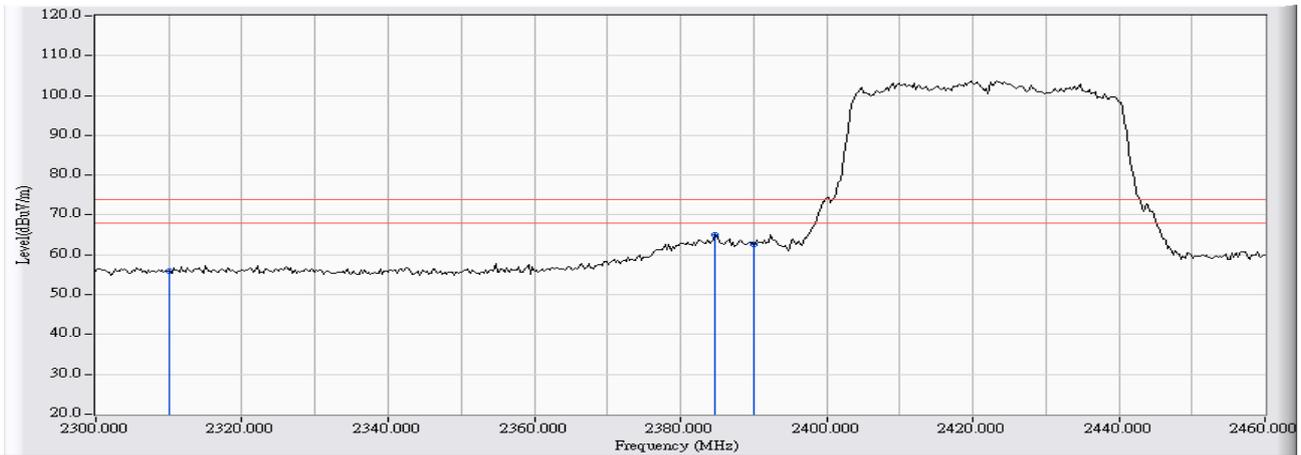


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.716	23.078	51.794	-2.206	54.000	AVERAGE
2		2483.600	28.716	22.890	51.606	-2.394	54.000	AVERAGE
3		2500.000	28.729	15.705	44.434	-9.566	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 22:36
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11n(40MHz)_2422MHz

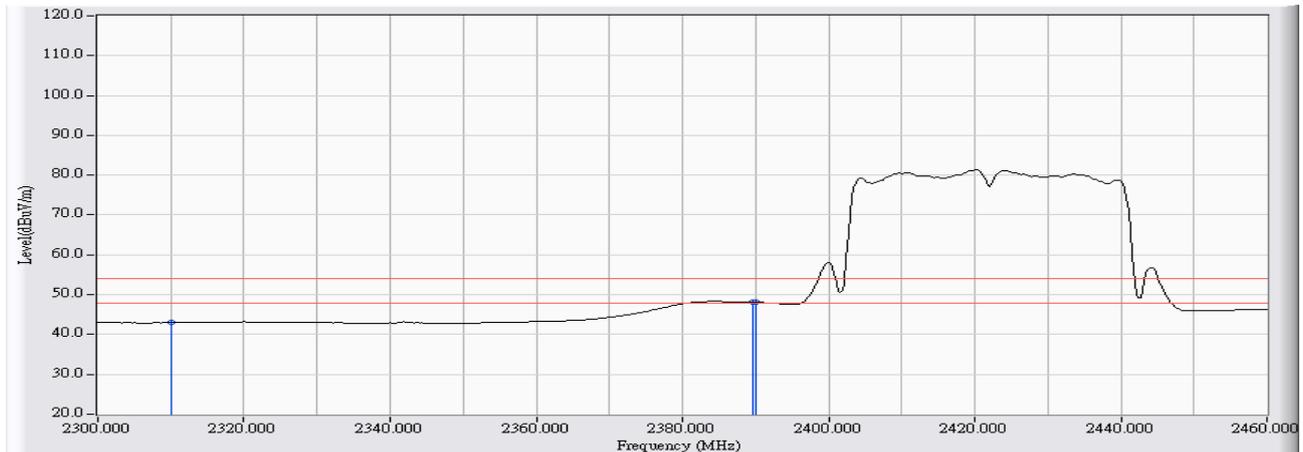


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	27.780	56.043	-17.957	74.000	PEAK
2	* 2384.800	28.555	36.547	65.102	-8.898	74.000	PEAK
3	2390.000	28.575	34.141	62.716	-11.284	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 22:38
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11n(40MHz)_2422MHz

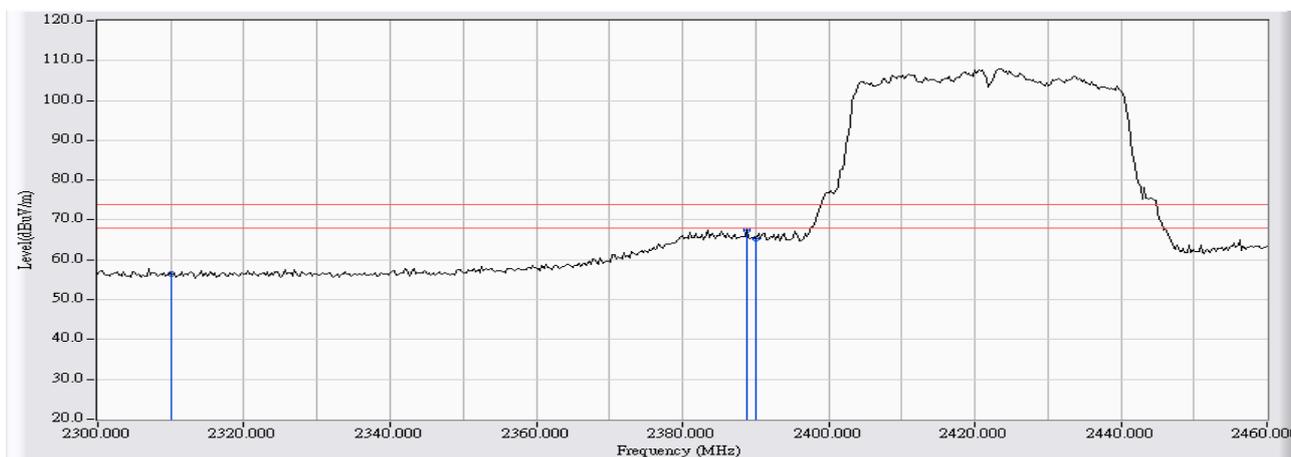


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	14.719	42.982	-11.018	54.000	AVERAGE
2	* 2389.600	28.574	19.538	48.112	-5.888	54.000	AVERAGE
3	2390.000	28.575	19.528	48.103	-5.897	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 22:31
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11n(40MHz)_2422MHz

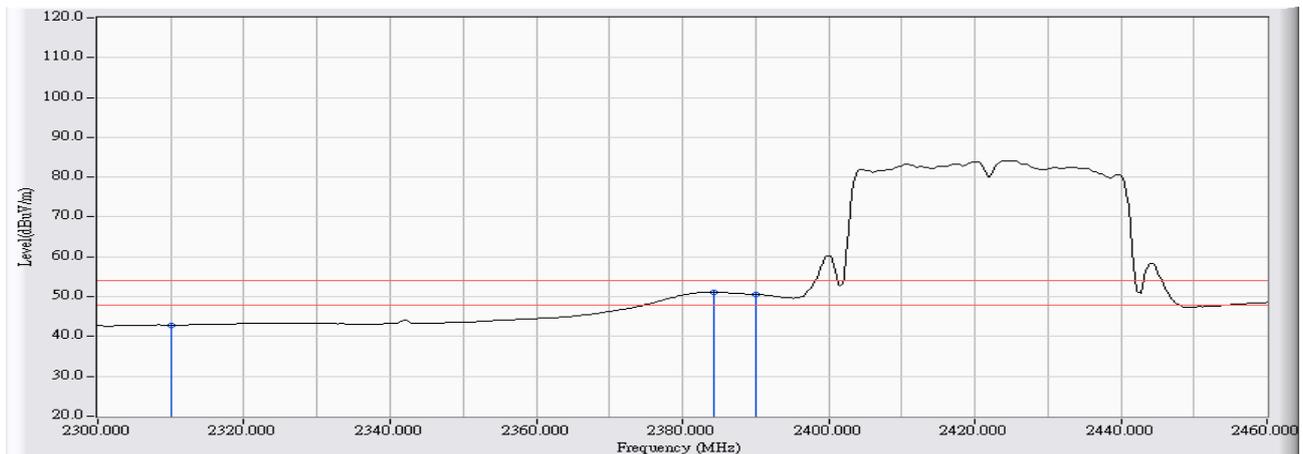


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	28.202	56.465	-17.535	74.000	PEAK
2	* 2388.800	28.571	38.775	67.346	-6.654	74.000	PEAK
3	2390.000	28.575	36.827	65.402	-8.598	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 22:32
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11n(40MHz)_2422MHz

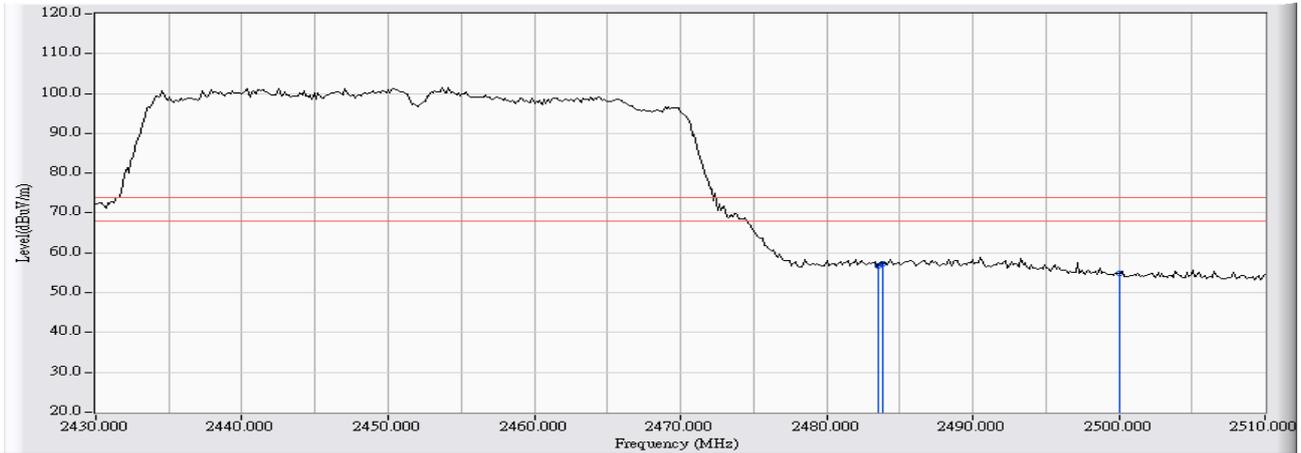


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	14.631	42.894	-11.106	54.000	AVERAGE
2	* 2384.267	28.553	22.628	51.181	-2.819	54.000	AVERAGE
3	2390.000	28.575	21.945	50.520	-3.480	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 20:47
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11(n40MHz)_2452MHz

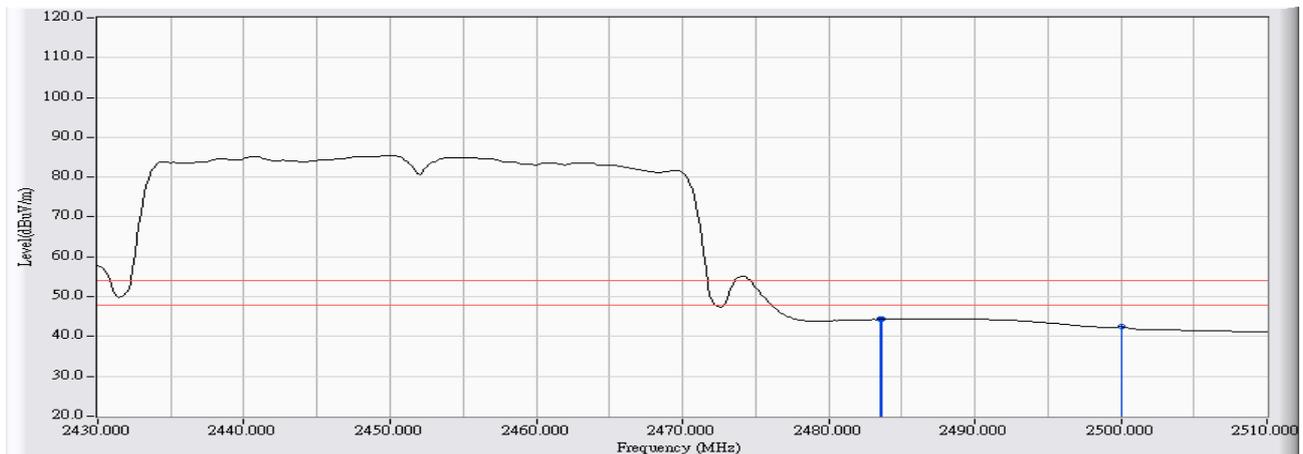


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	28.716	28.113	56.829	-17.171	74.000	PEAK
2	* 2483.867	28.716	28.496	57.213	-16.787	74.000	PEAK
3	2500.000	28.729	26.257	54.986	-19.014	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 20:48
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11(n40MHz)_2452MHz

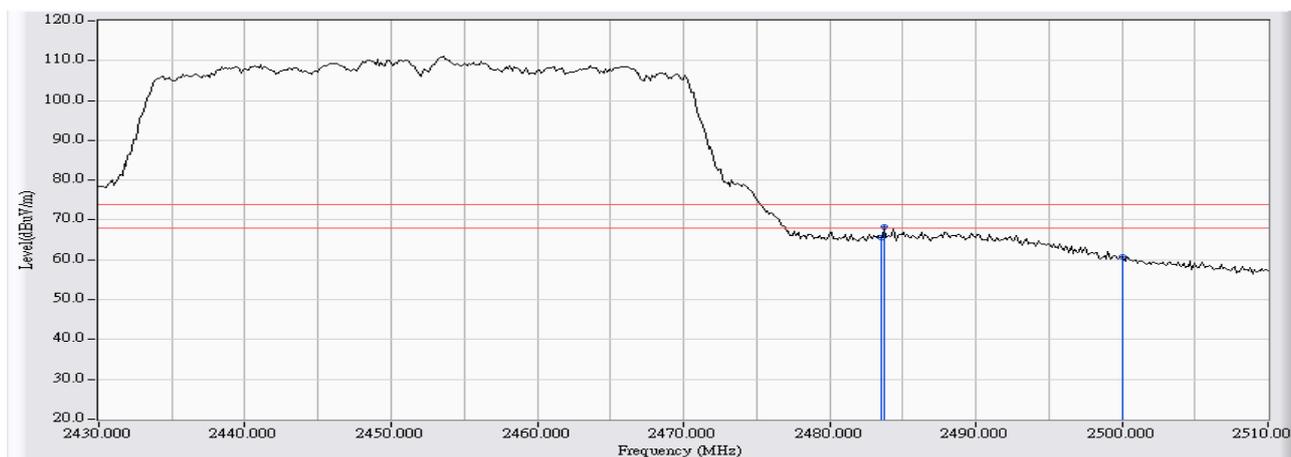


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	28.716	15.562	44.278	-9.722	54.000	AVERAGE
2	* 2483.600	28.716	15.583	44.299	-9.701	54.000	AVERAGE
3	2500.000	28.729	13.665	42.394	-11.606	54.000	AVERAGE

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.

Site : CB1	Time : 2012/04/27 - 20:43
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11(n40MHz)_2452MHz

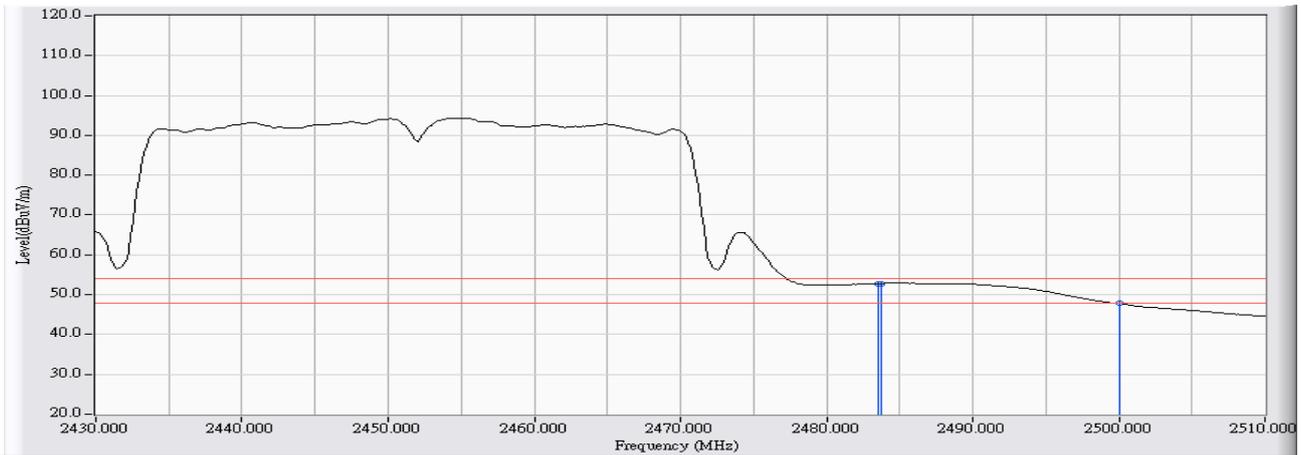


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	28.716	36.824	65.540	-8.460	74.000	PEAK
2	* 2483.733	28.716	39.412	68.128	-5.872	74.000	PEAK
3	2500.000	28.729	32.137	60.866	-13.134	74.000	PEAK

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.

Site : CB1	Time : 2012/04/27 - 20:44
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual Band 3x3 802.11AC Gigabit Router	Note : 802.11(n40MHz)_2452MHz



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	28.716	24.051	52.767	-1.233	54.000	AVERAGE
2	* 2483.733	28.716	24.078	52.794	-1.206	54.000	AVERAGE
3	2500.000	28.729	19.116	47.845	-6.155	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. Occupied Bandwidth

7.1. Test Equipment

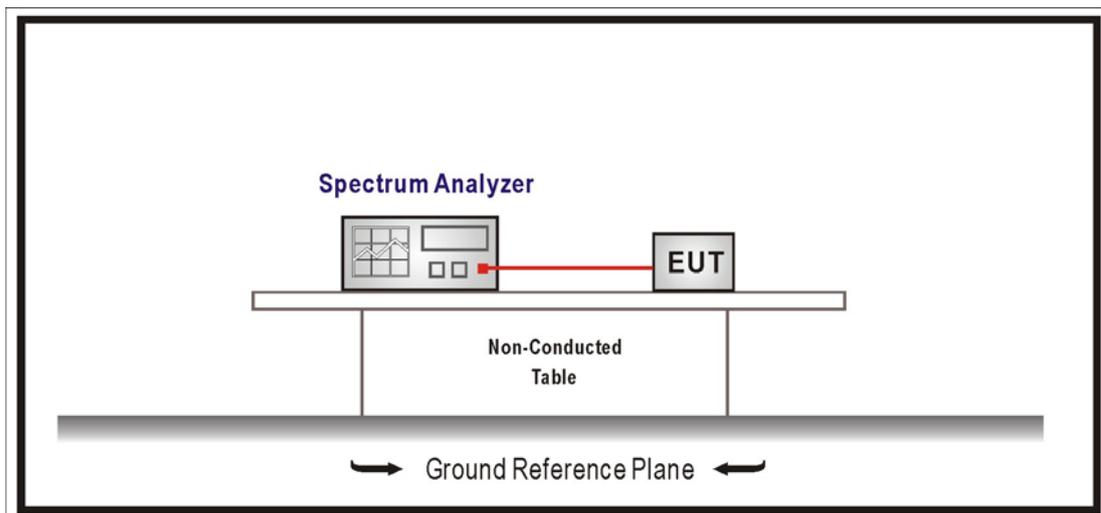
The following test equipments are used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2013/02/19

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

7.2. Test Setup



7.3. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Span greater than RBW.

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

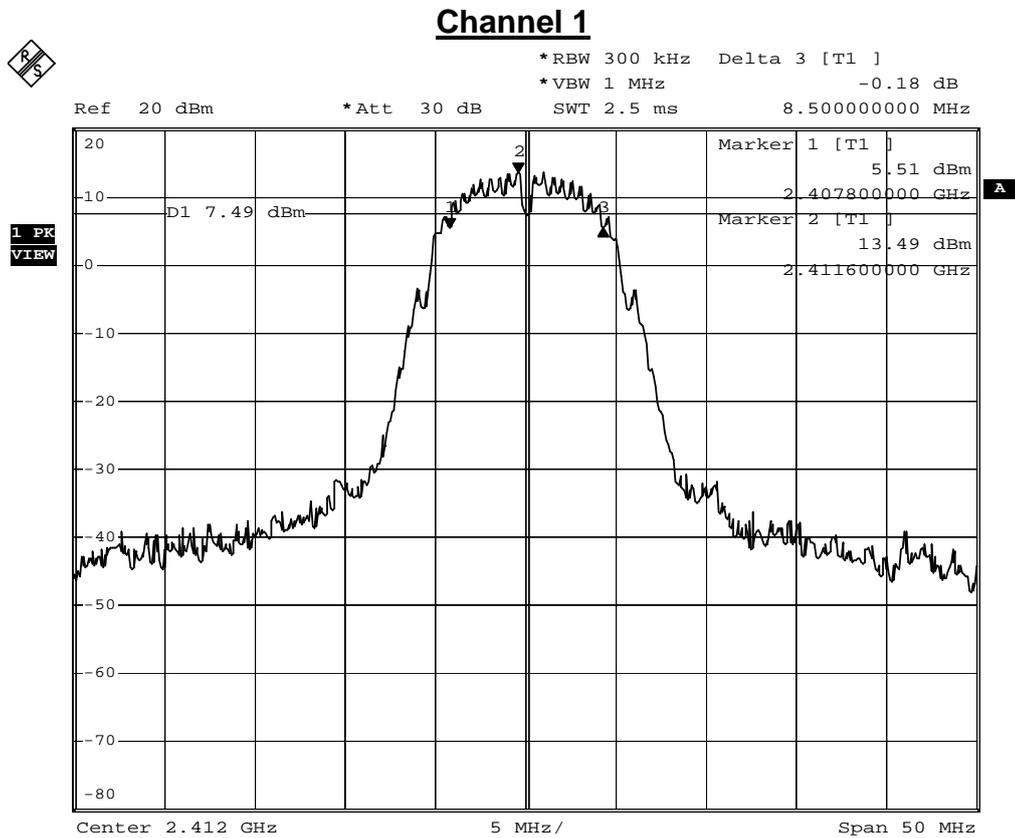
7.6. Uncertainty

The measurement uncertainty is defined as $\pm 150\text{Hz}$

7.7. Test Result

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

802.11 b				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	8.5	≥ 0.5	Pass
6	2437.00	8.5	≥ 0.5	Pass
11	2462.00	8.5	≥ 0.5	Pass



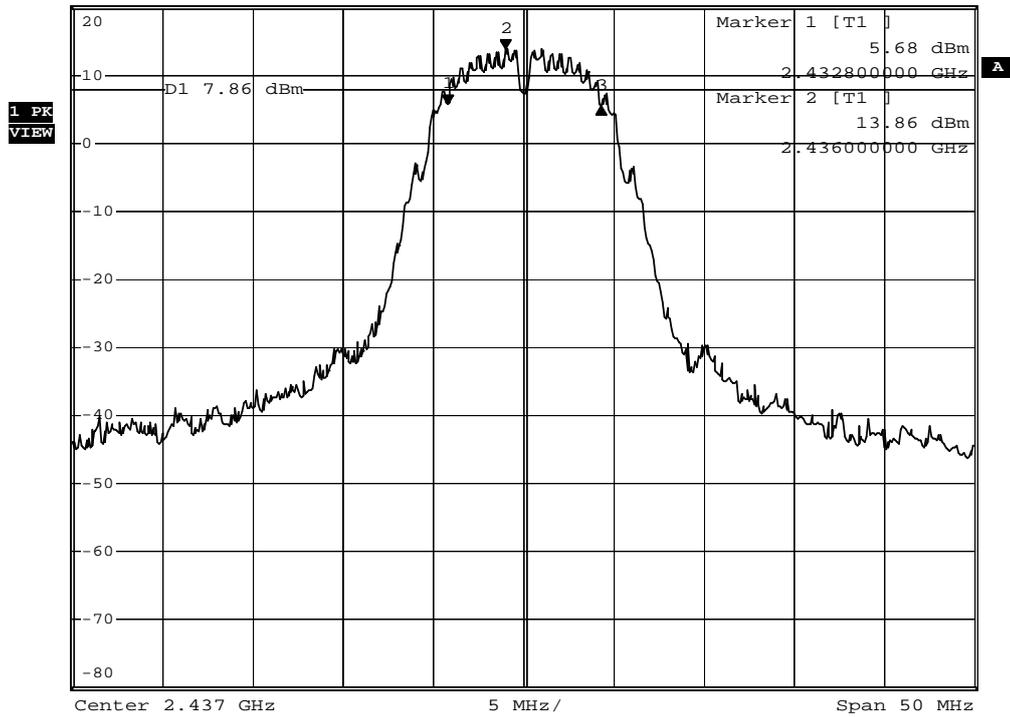
Comment: A:\2
Date: 10.MAY.2012 14:34:41

Channel 6



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -0.37 dB

Ref 20 dBm *Att 30 dB SWT 2.5 ms 8.500000000 MHz



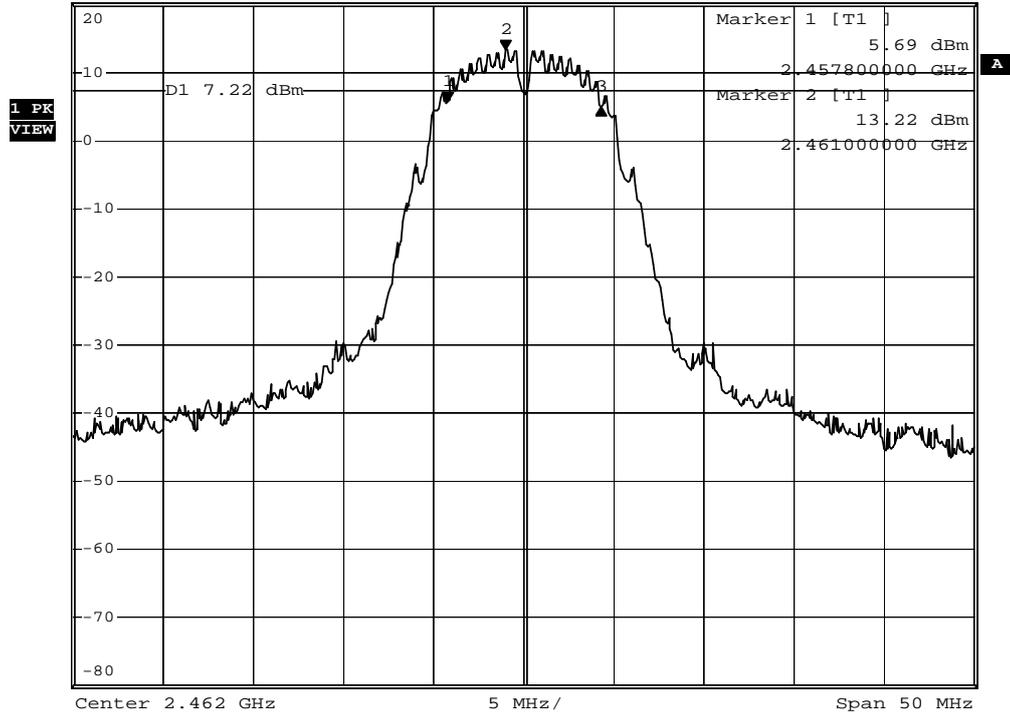
Comment: A:\2
 Date: 10.MAY.2012 14:42:10

Channel 11



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -0.73 dB

Ref 20 dBm *Att 30 dB SWT 2.5 ms 8.500000000 MHz

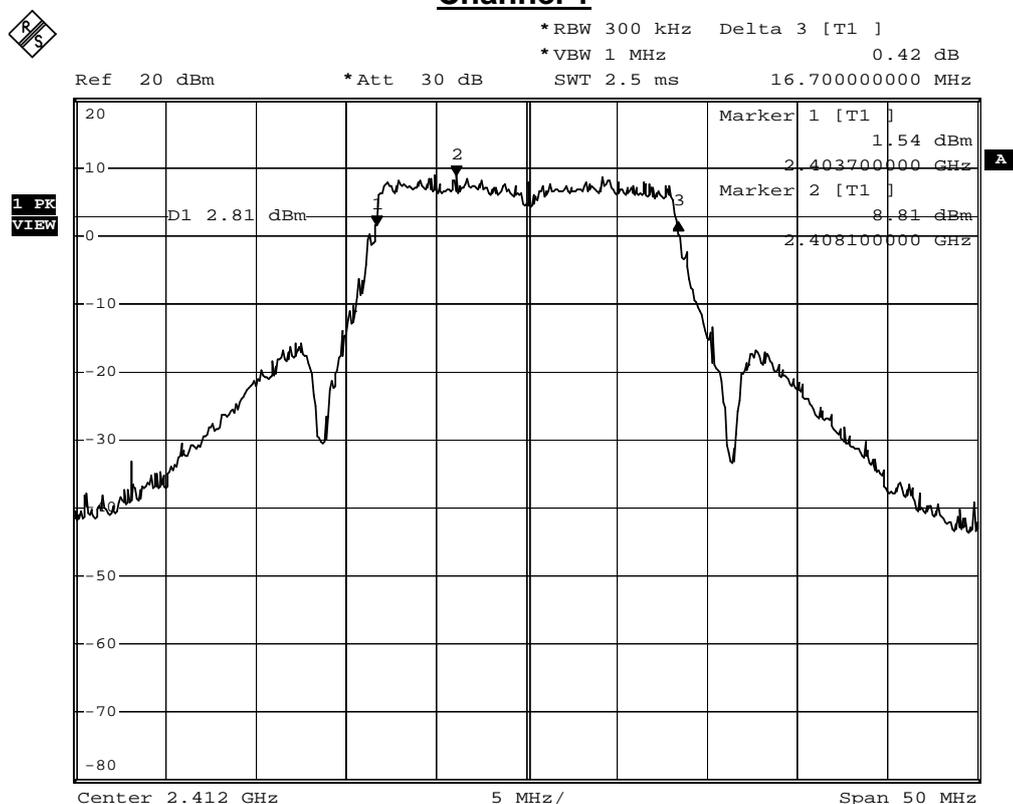


Comment: A:\2
 Date: 10.MAY.2012 14:48:40

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	16.7	≥ 0.5	Pass
6	2437.00	16.8	≥ 0.5	Pass
11	2462.00	16.7	≥ 0.5	Pass

Channel 1



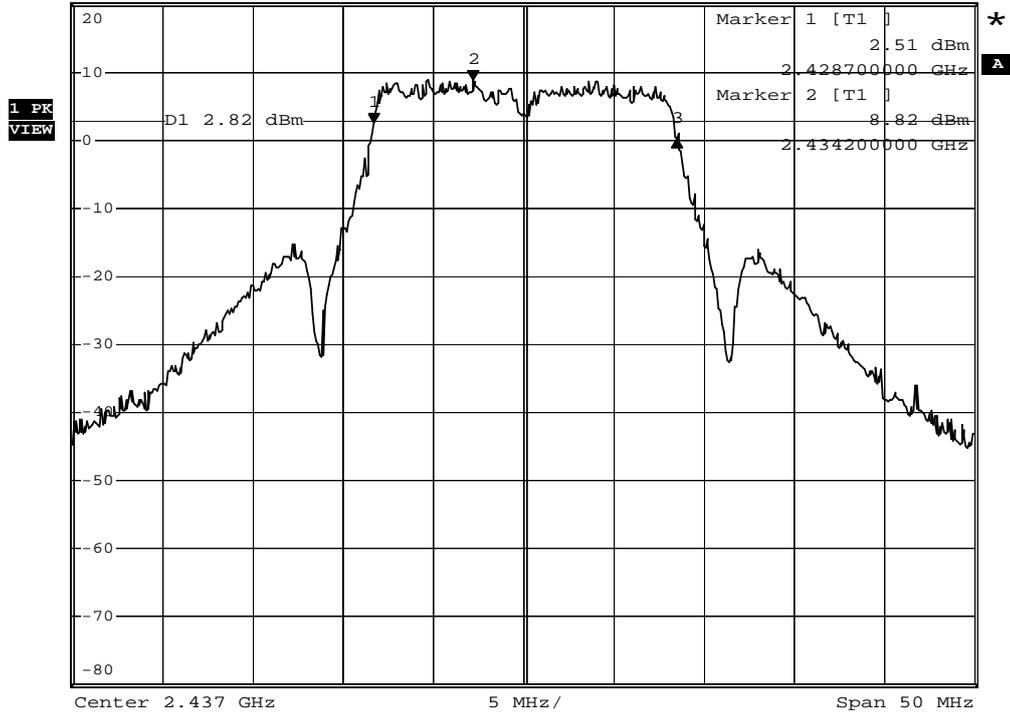
Comment: A:\2
 Date: 10.MAY.2012 15:12:16

Channel 6



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -2.26 dB

Ref 20 dBm *Att 30 dB SWT 2.5 ms 16.800000000 MHz



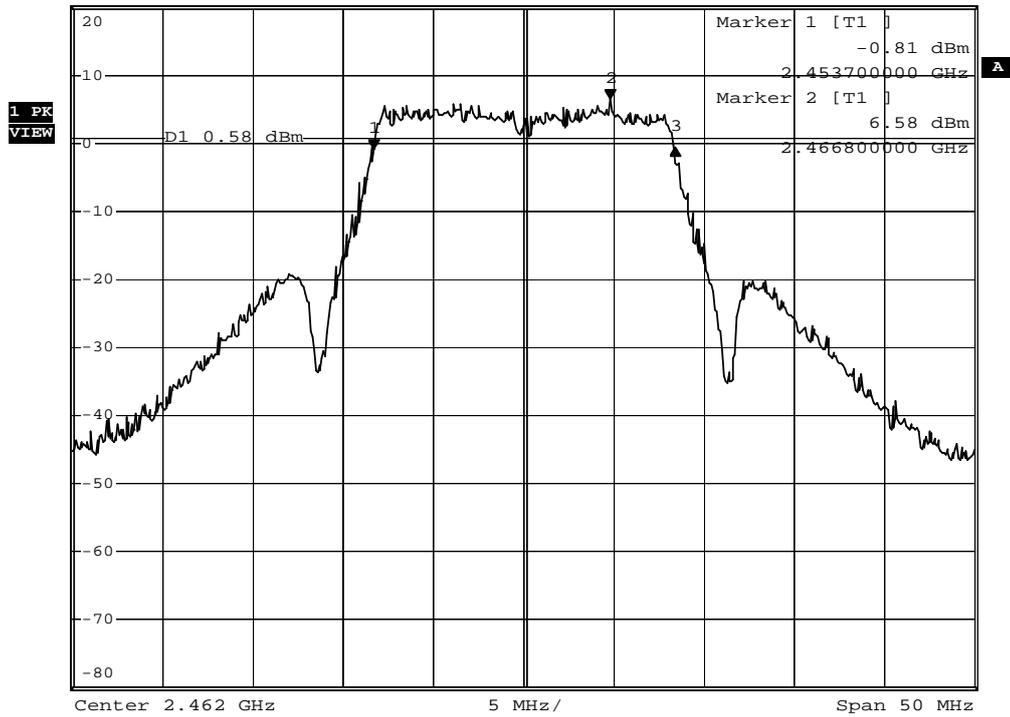
Comment: A:\2
 Date: 10.MAY.2012 15:07:51

Channel 11



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz 0.32 dB

Ref 20 dBm *Att 30 dB SWT 2.5 ms 16.70000000 MHz

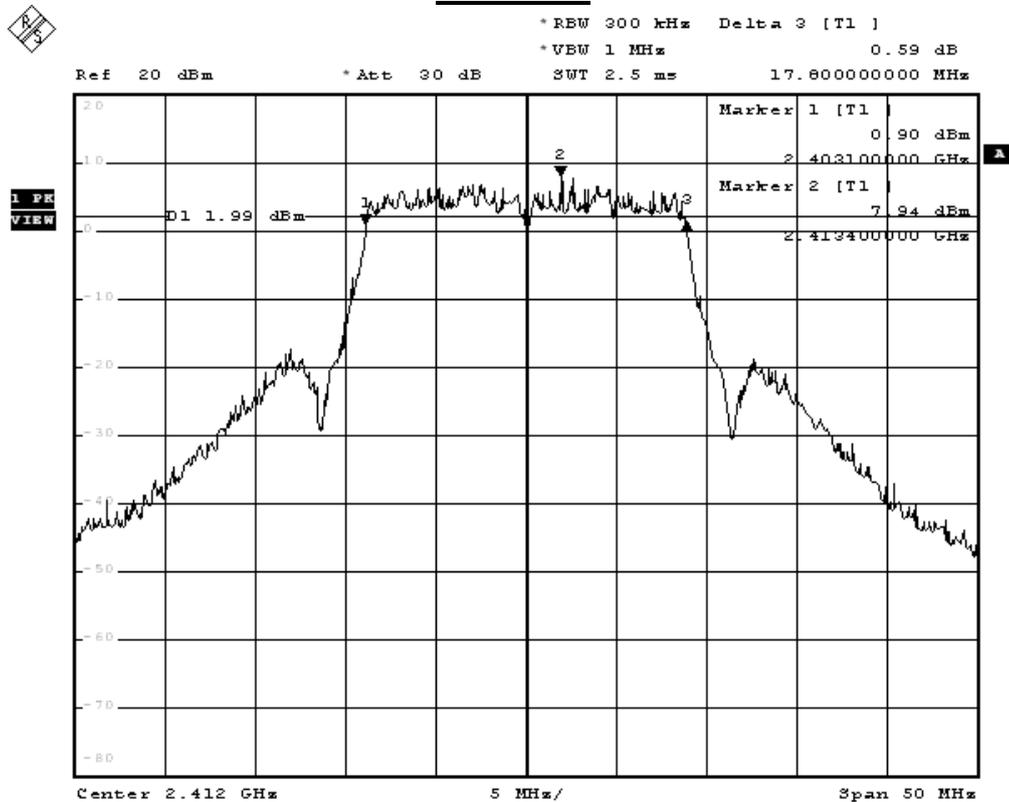


Comment: A:\2
 Date: 10.MAY.2012 14:52:28

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	17.8	≥ 0.5	Pass
6	2437.00	17.9	≥ 0.5	Pass
11	2462.00	17.9	≥ 0.5	Pass

Channel 1



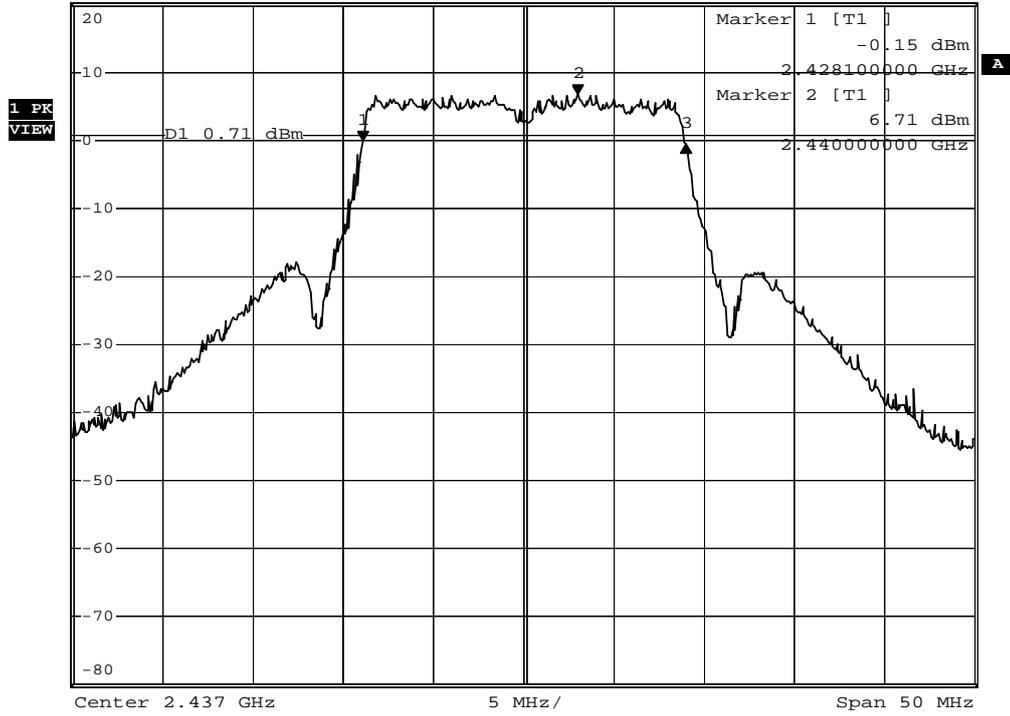
Comment: A:\2
 Date: 10.MAY.2012 15:40:12

Channel 6



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -0.35 dB

Ref 20 dBm *Att 30 dB SWT 2.5 ms 17.900000000 MHz



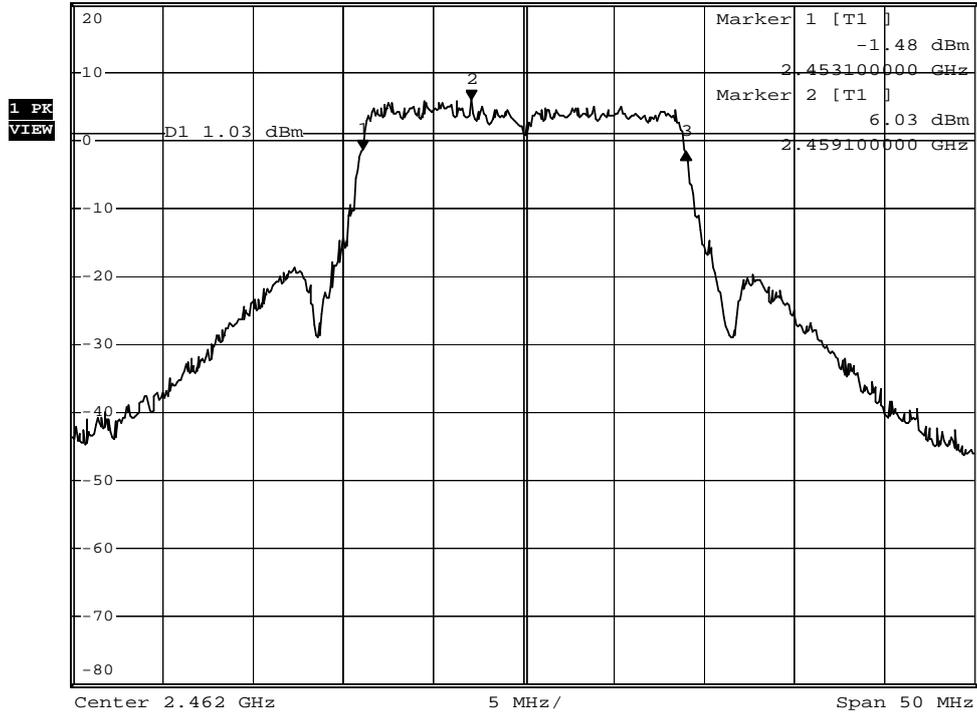
Comment: A:\2
 Date: 10.MAY.2012 15:28:18

Channel 11



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -0.19 dB
 *SWT 2.5 ms 17.900000000 MHz

Ref 20 dBm *Att 30 dB

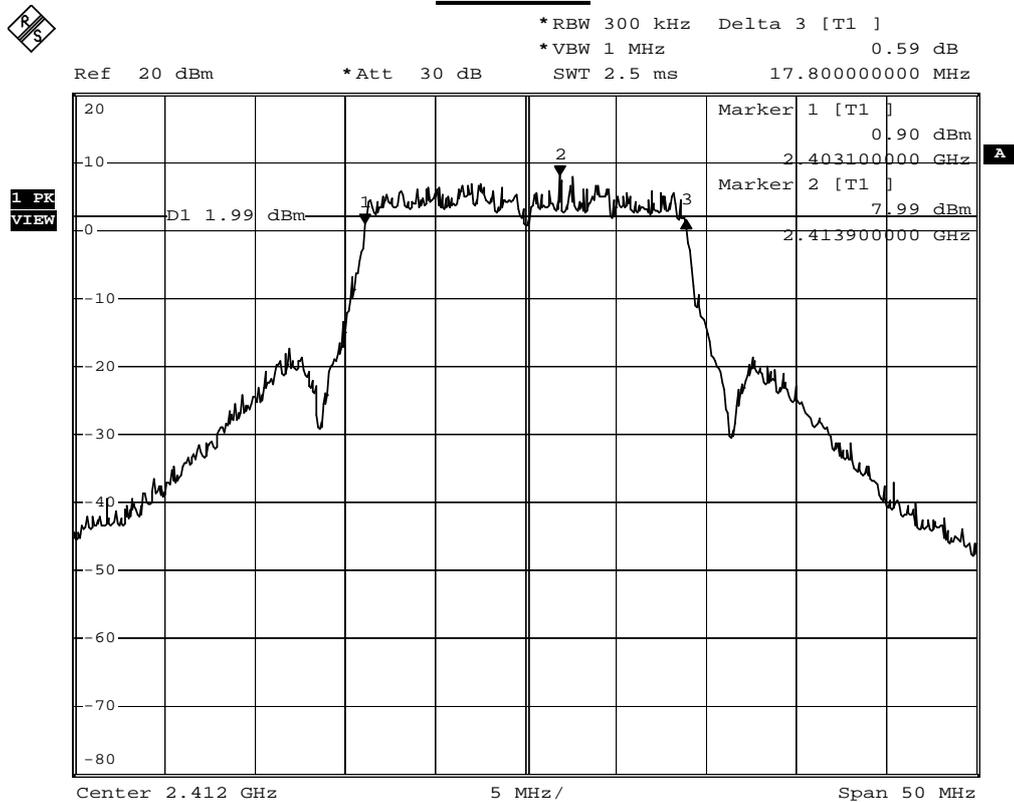


Comment: A:\2
 Date: 10.MAY.2012 16:03:58

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	17.8	≥ 0.5	Pass
6	2437.00	17.8	≥ 0.5	Pass
11	2462.00	17.8	≥ 0.5	Pass

Channel 1



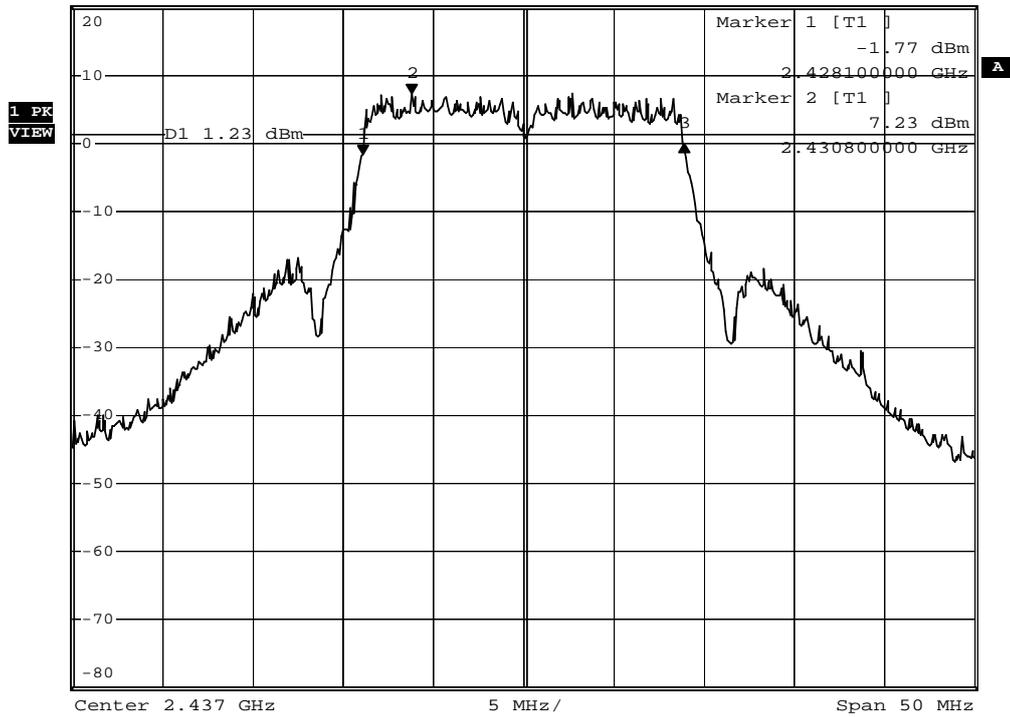
Comment: A:\2
 Date: 10.MAY.2012 15:40:15

Channel 6



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz 1.66 dB

Ref 20 dBm *Att 30 dB SWT 2.5 ms 17.800000000 MHz



Comment: A:\2
 Date: 10.MAY.2012 15:46:45

Channel 11



*RBW 300 kHz Delta 3 [T1]

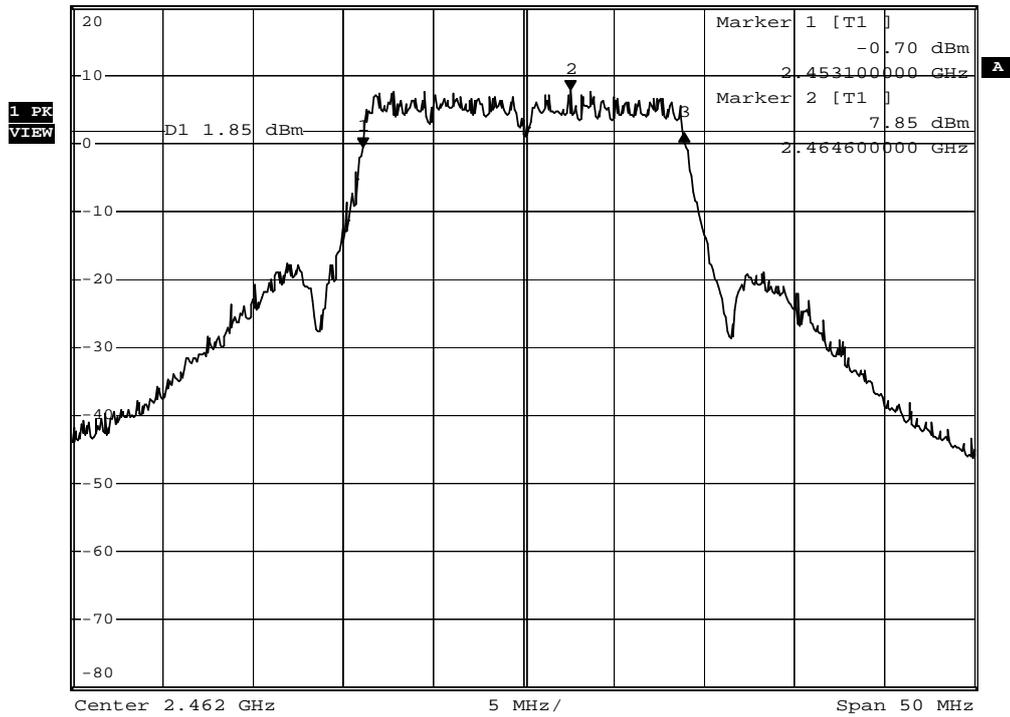
*VBW 1 MHz 2.31 dB

Ref 20 dBm

*Att 30 dB

*SWT 2.5 ms

17.800000000 MHz



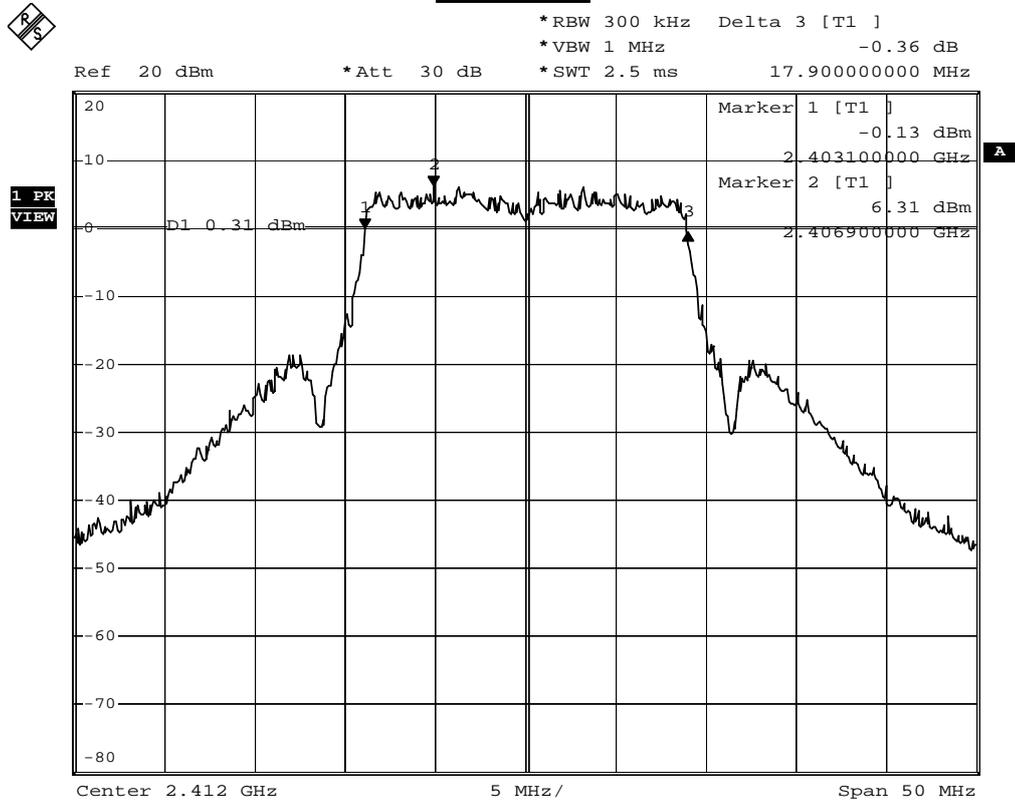
Comment: A:\2

Date: 10.MAY.2012 15:53:36

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	17.9	≥ 0.5	Pass
6	2437.00	17.9	≥ 0.5	Pass
11	2462.00	17.9	≥ 0.5	Pass

Channel 1



Comment: A:\2
 Date: 10.MAY.2012 16:06:58

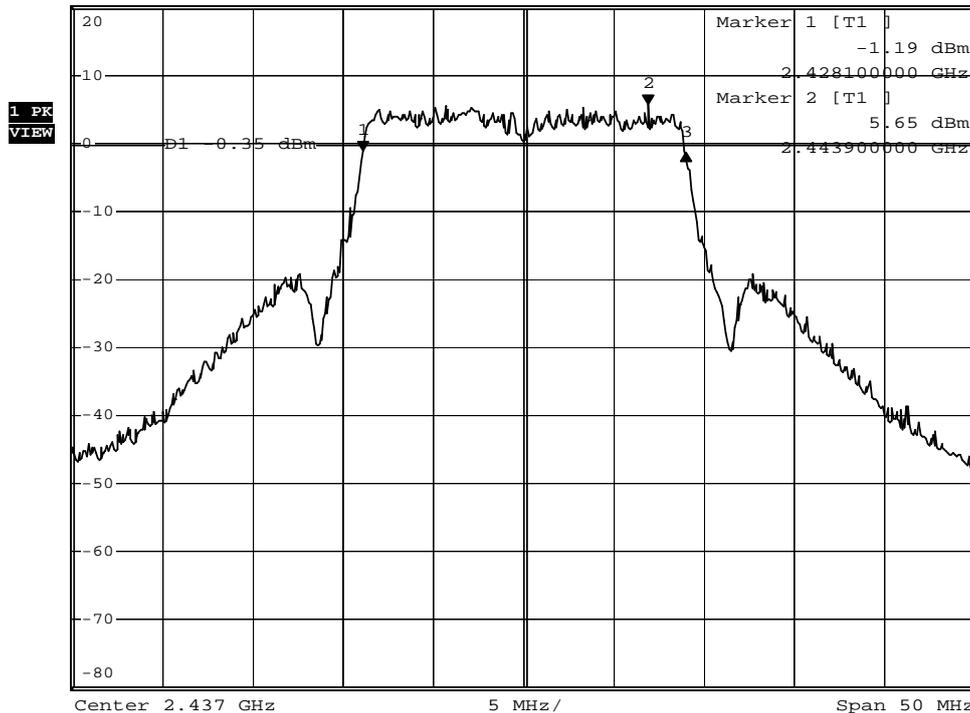
Channel 6



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -0.16 dB
 *SWT 2.5 ms 17.900000000 MHz

Ref 20 dBm

*Att 30 dB



Comment: A:\2

Date: 10.MAY.2012 16:12:13

Channel 11



*RBW 300 kHz Delta 3 [T1]

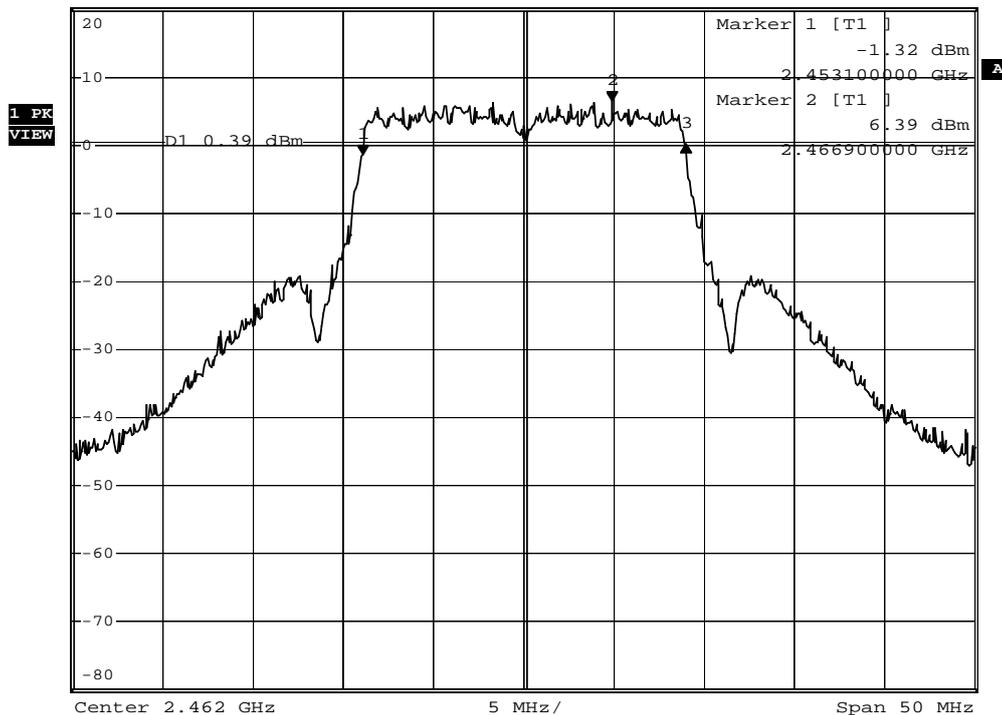
*VBW 1 MHz 1.55 dB

Ref 20 dBm

*Att 30 dB

*SWT 2.5 ms

17.900000000 MHz



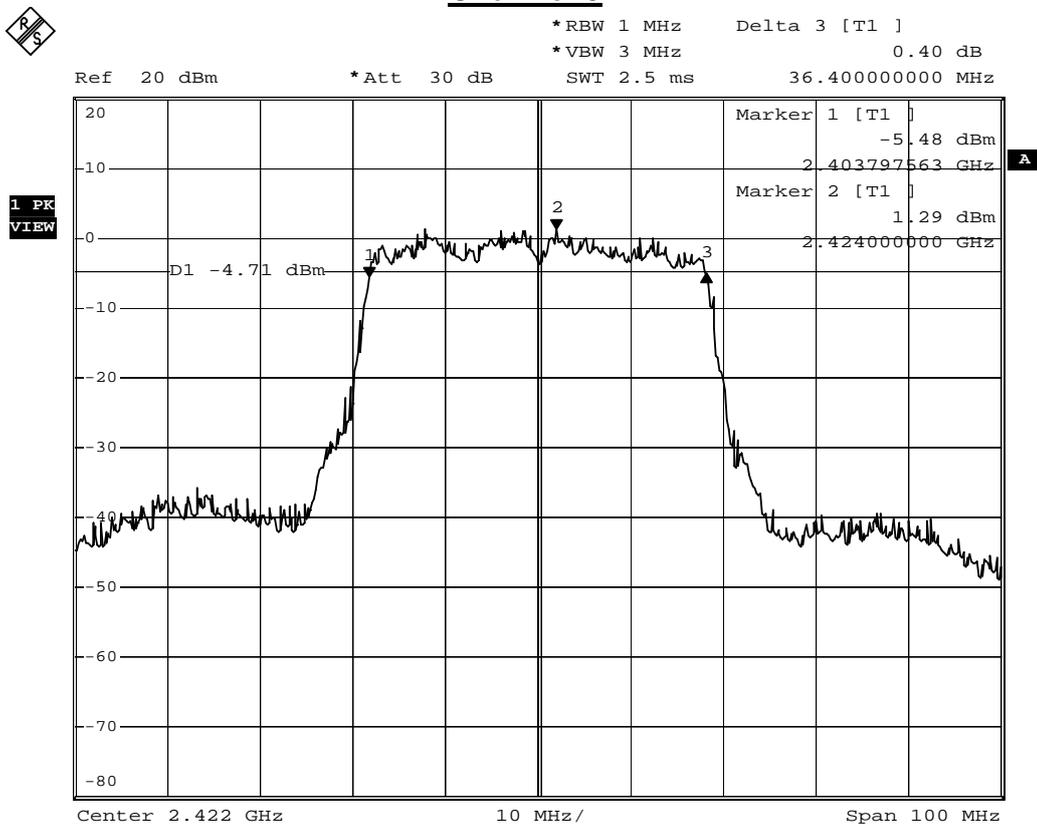
Comment: A:\2

Date: 10.MAY.2012 16:14:23

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.4	≥ 0.5	Pass
6	2437	36.6	≥ 0.5	Pass
9	2452	36.4	≥ 0.5	Pass

Channel 3

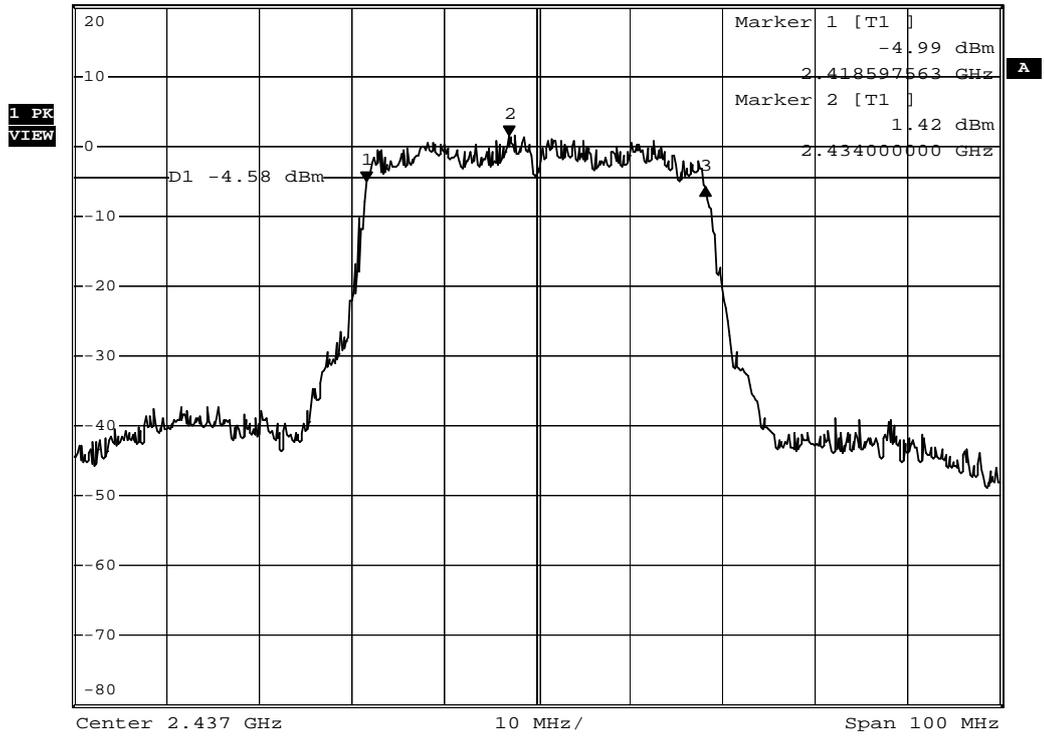


Date: 18.MAY.2012 17:47:51

Channel 6



*RBW 1 MHz Delta 3 [T1]
 *VBW 3 MHz -0.83 dB
 Ref 20 dBm *Att 30 dB SWT 2.5 ms 36.600000000 MHz



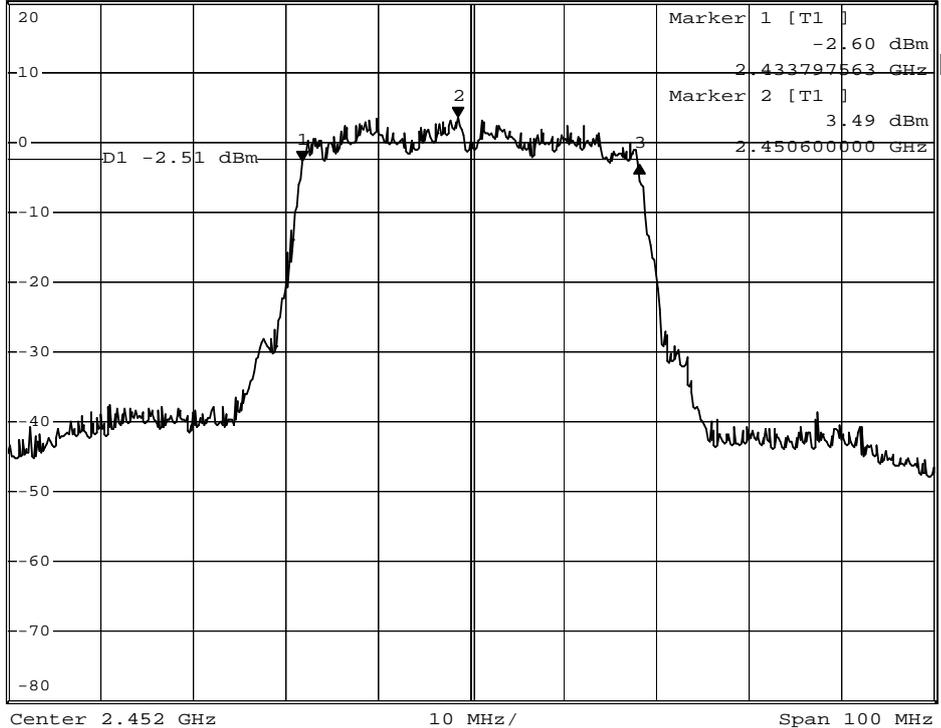
Date: 18.MAY.2012 17:48:36

Channel 9



*RBW 1 MHz Delta 3 [T1]
 *VBW 3 MHz -0.66 dB
 Ref 20 dBm *Att 30 dB SWT 2.5 ms 36.400000000 MHz

1 PK
VIEW

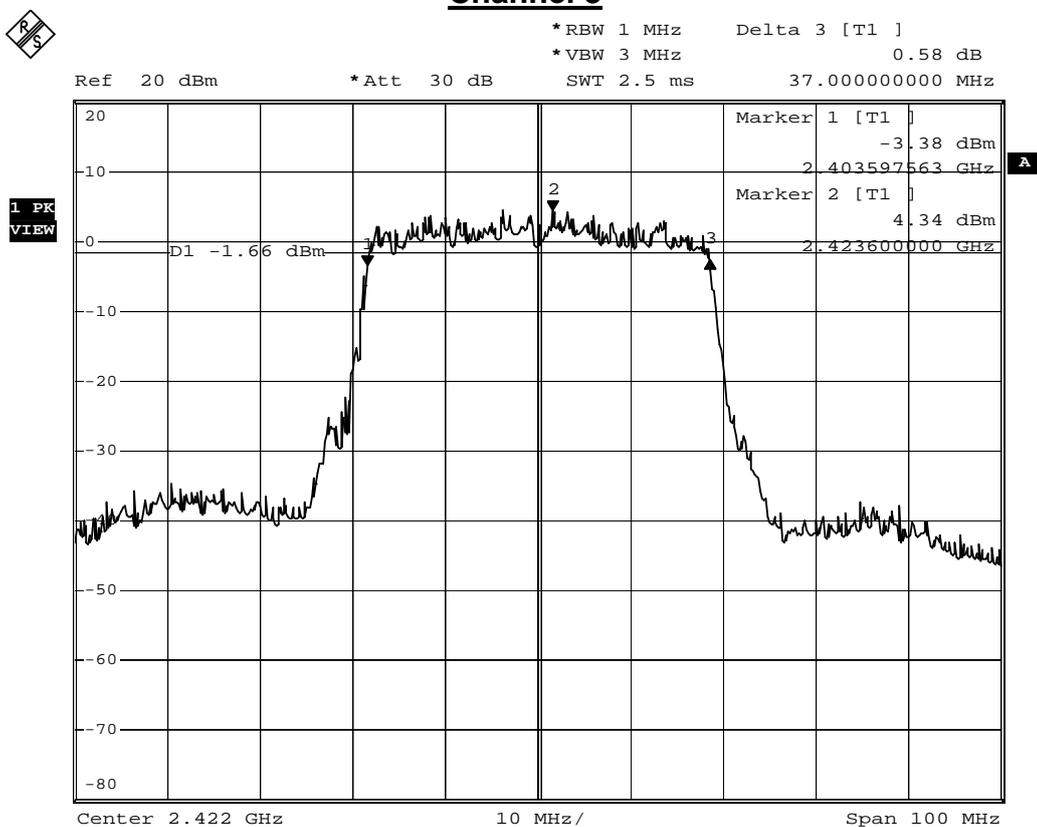


Date: 18.MAY.2012 17:49:25

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	37.0	≥ 0.5	Pass
6	2437	36.6	≥ 0.5	Pass
9	2452	36.8	≥ 0.5	Pass

Channel 3



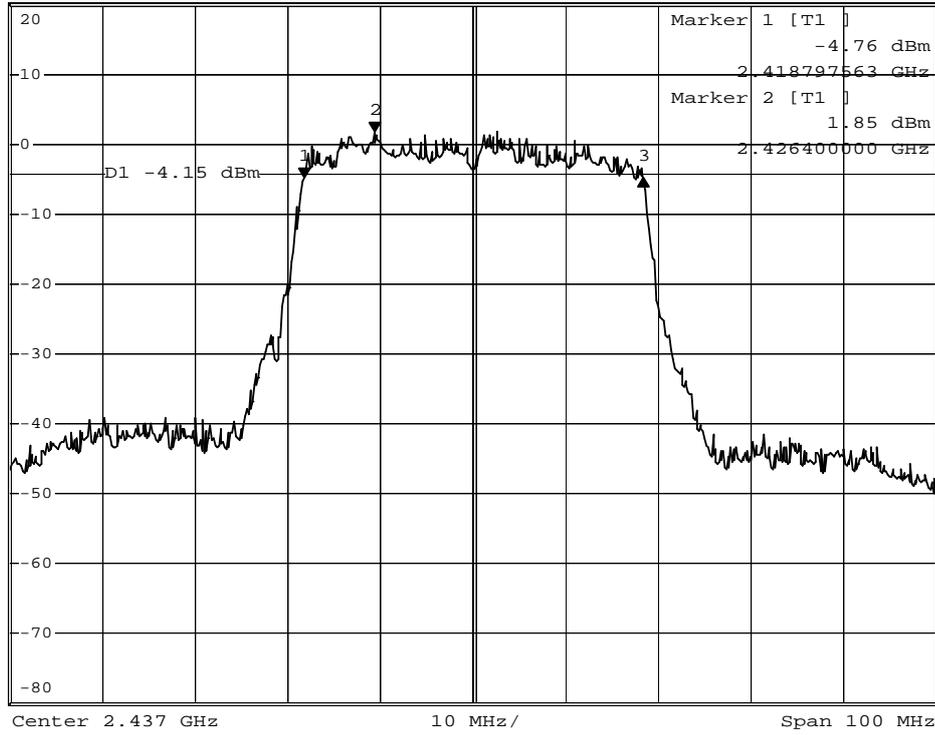
Date: 18.MAY.2012 17:46:31

Channel 6



*RBW 1 MHz Delta 3 [T1]
 *VBW 3 MHz 0.02 dB
 Ref 20 dBm *Att 30 dB SWT 2.5 ms 36.600000000 MHz

1 PK
 VIEW

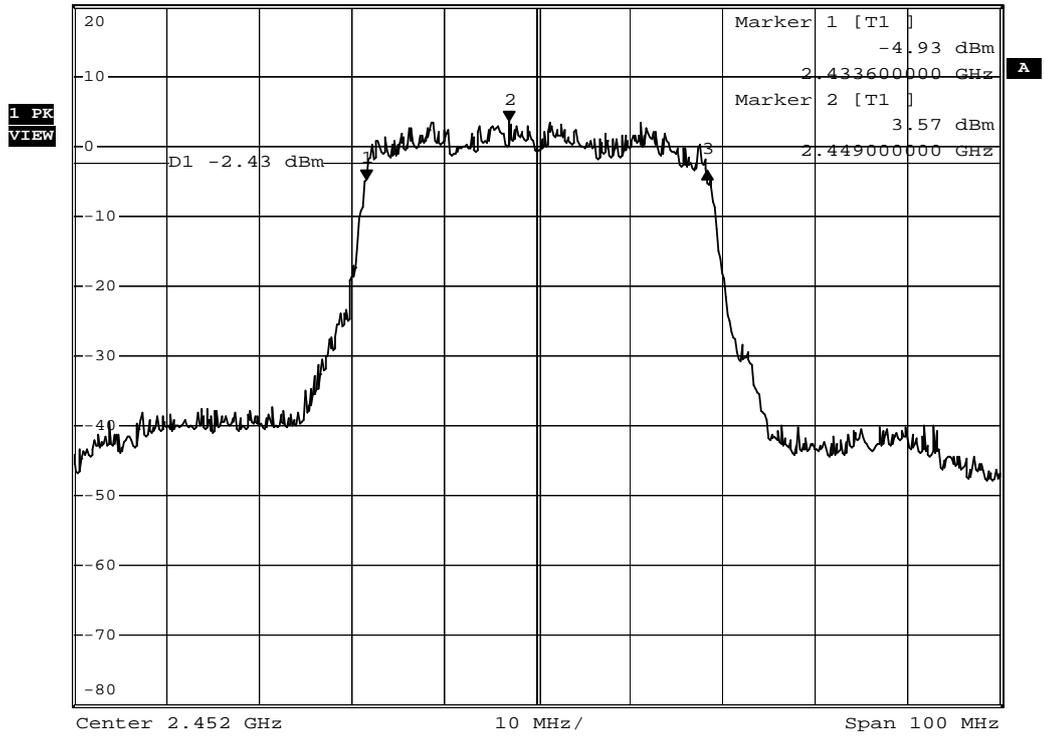


Date: 18.MAY.2012 17:45:20

Channel 9



*RBW 1 MHz Delta 3 [T1]
 *VBW 3 MHz 1.57 dB
 Ref 20 dBm *Att 30 dB SWT 2.5 ms 36.800000000 MHz

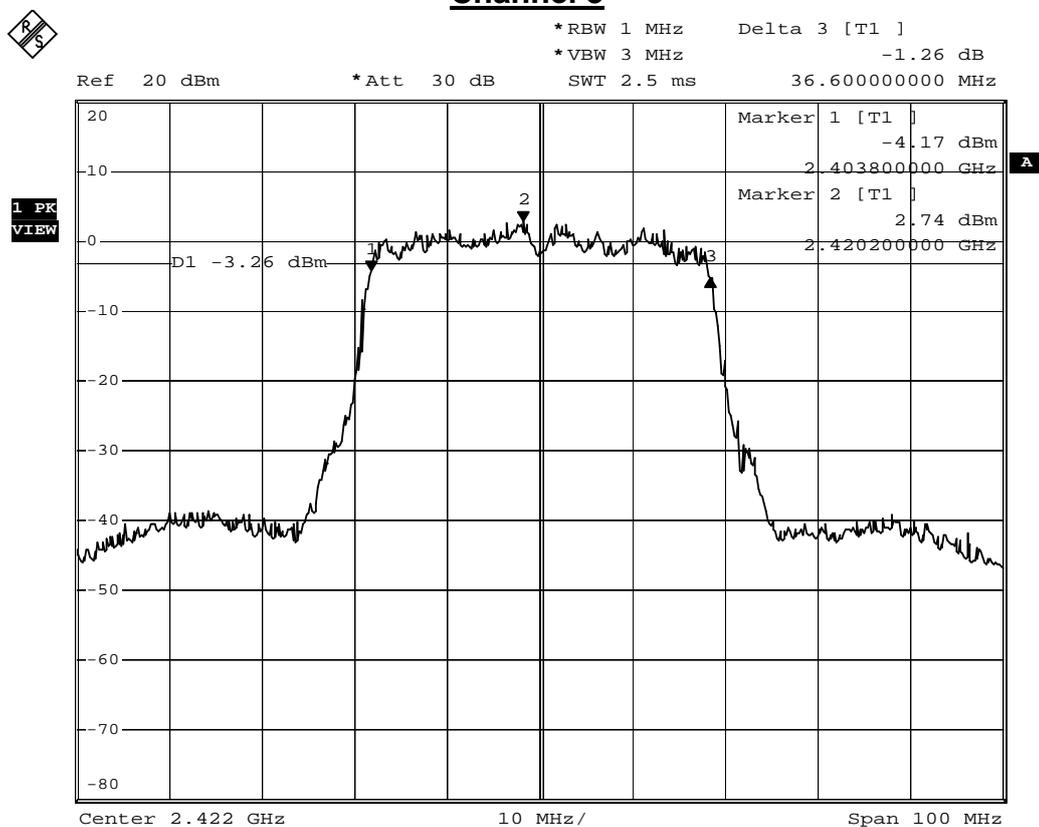


Date: 18.MAY.2012 17:39:44

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.6	≥ 0.5	Pass
6	2437	36.6	≥ 0.5	Pass
9	2452	36.2	≥ 0.5	Pass

Channel 3

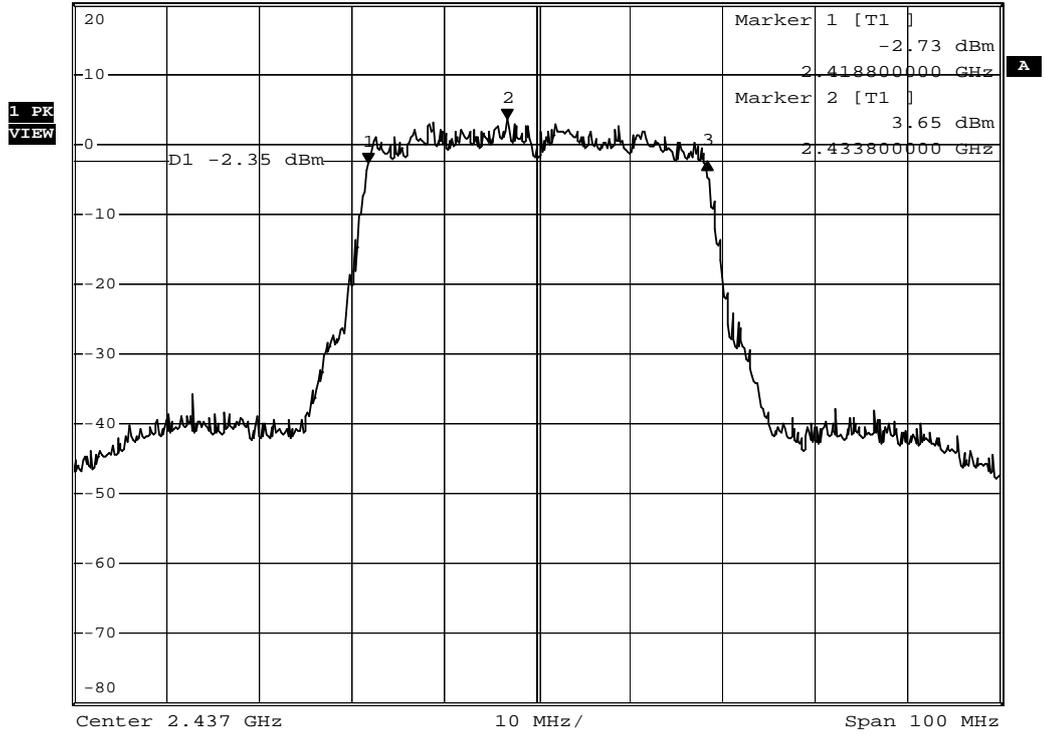


Date: 18.MAY.2012 17:30:08

Channel 6



*RBW 1 MHz Delta 3 [T1]
 *VBW 3 MHz 0.35 dB
 Ref 20 dBm *Att 30 dB SWT 2.5 ms 36.60000000 MHz

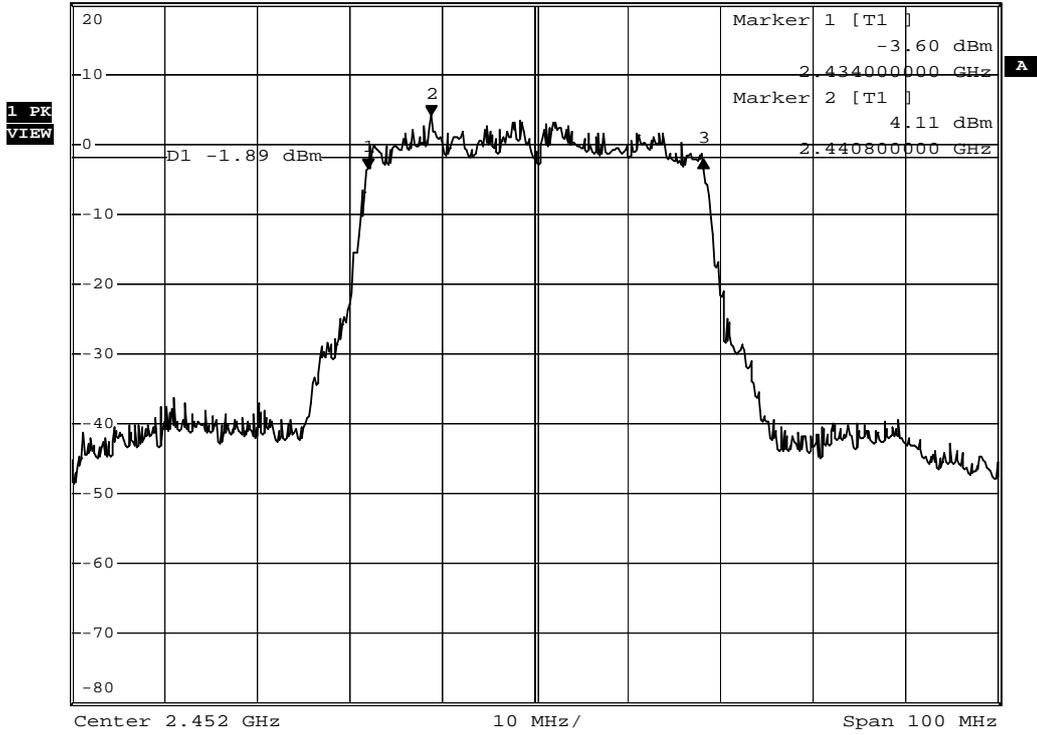


Date: 18.MAY.2012 17:35:50

Channel 9



*RBW 1 MHz Delta 3 [T1]
 *VBW 3 MHz 1.36 dB
 Ref 20 dBm *Att 30 dB SWT 2.5 ms 36.20000000 MHz

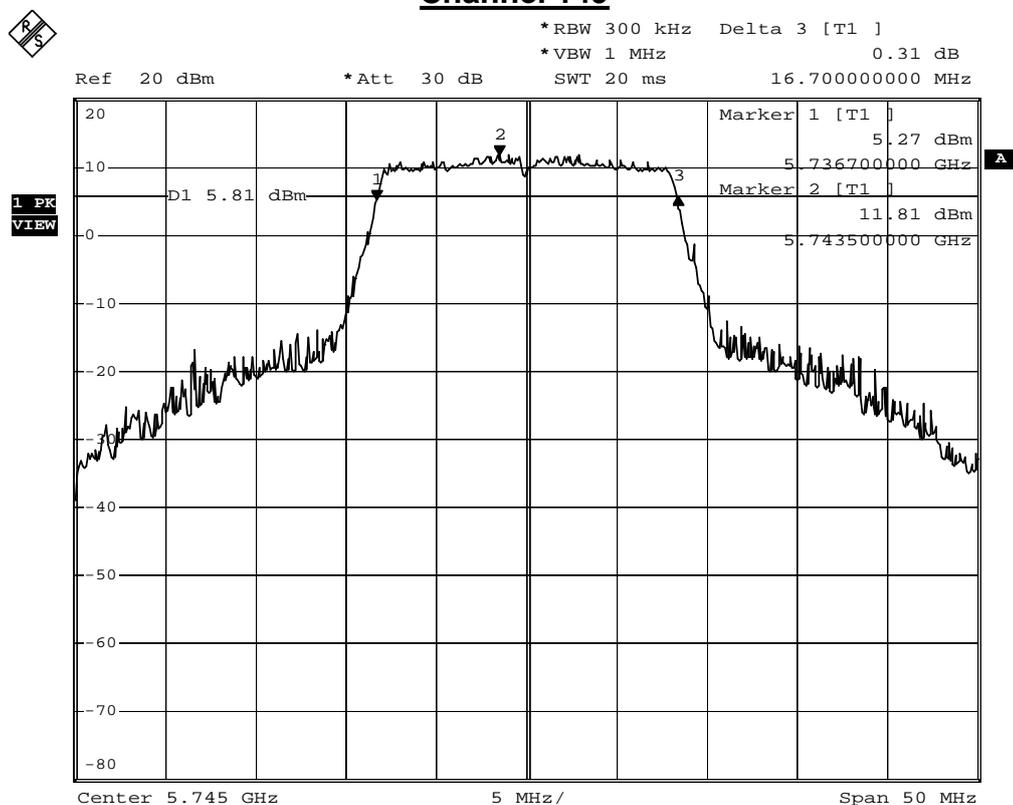


Date: 18.MAY.2012 17:36:54

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

802.11 a				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	16.70	≥ 0.5	Pass
157	5785	16.50	≥ 0.5	Pass
165	5825	16.60	≥ 0.5	Pass

Channel 149



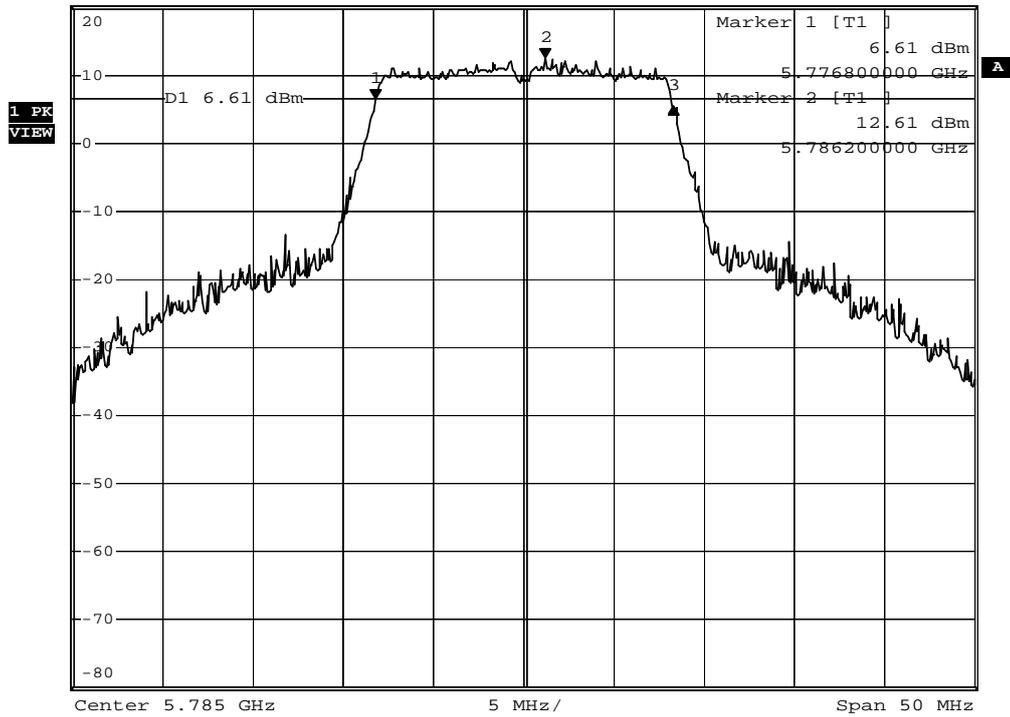
Comment: A:\2
 Date: 25.APR.2012 11:41:48

Channel 157



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -1.14 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 16.500000000 MHz



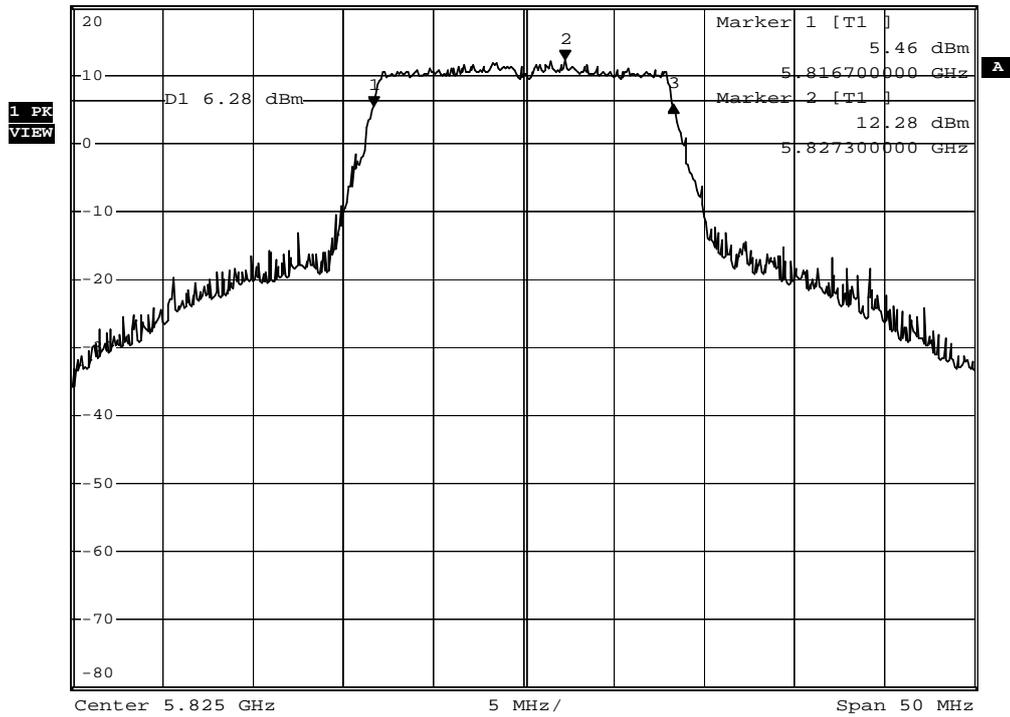
Comment: A:\2
 Date: 25.APR.2012 11:43:43

Channel 165



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz 0.13 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 16.600000000 MHz

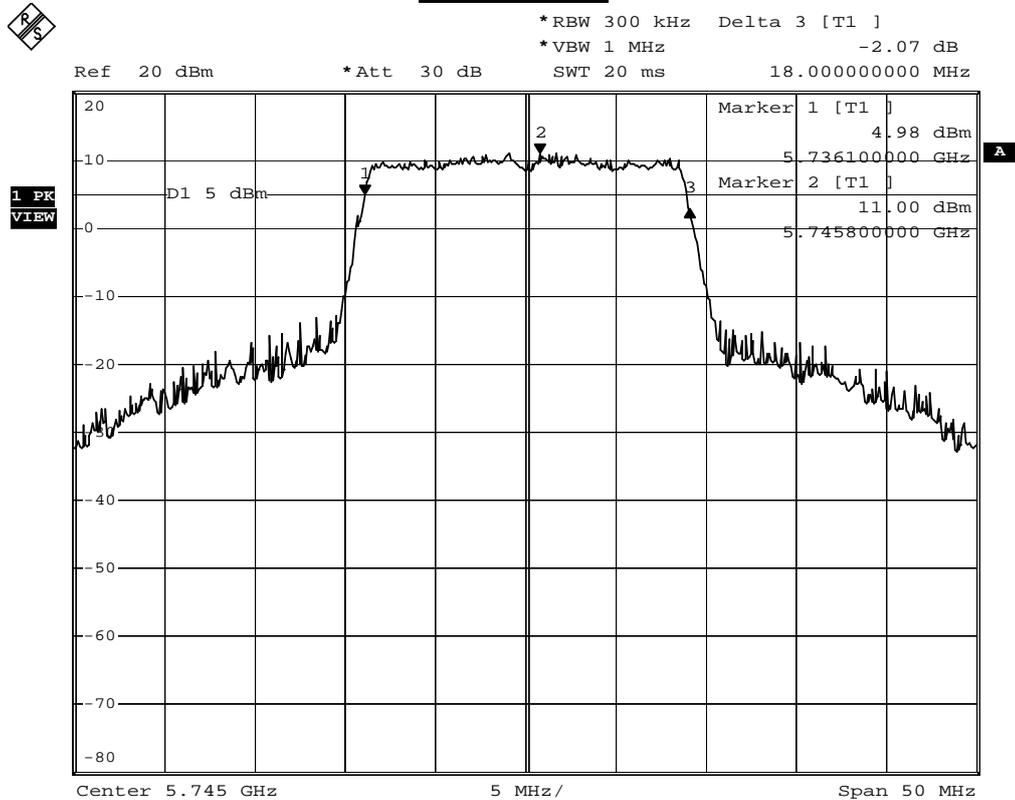


Comment: A:\2
 Date: 25.APR.2012 11:45:38

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	18.00	≥ 0.5	Pass
157	5785	17.80	≥ 0.5	Pass
165	5825	17.90	≥ 0.5	Pass

Channel 149



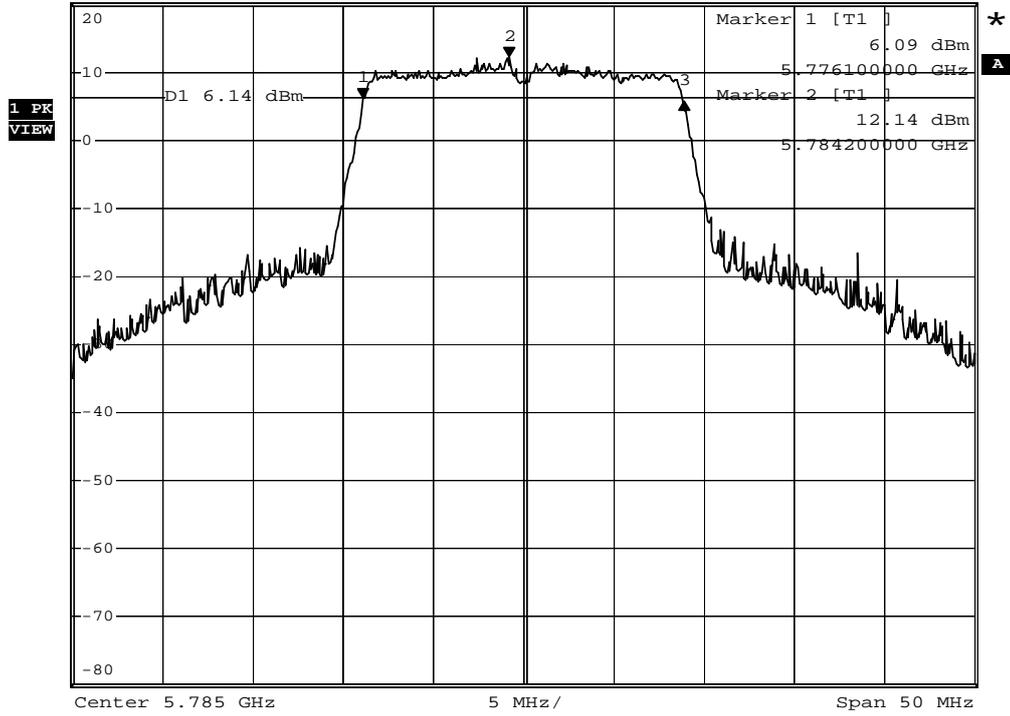
Comment: A:\2
 Date: 25.APR.2012 11:49:16

Channel 157



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -0.38 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 17.800000000 MHz



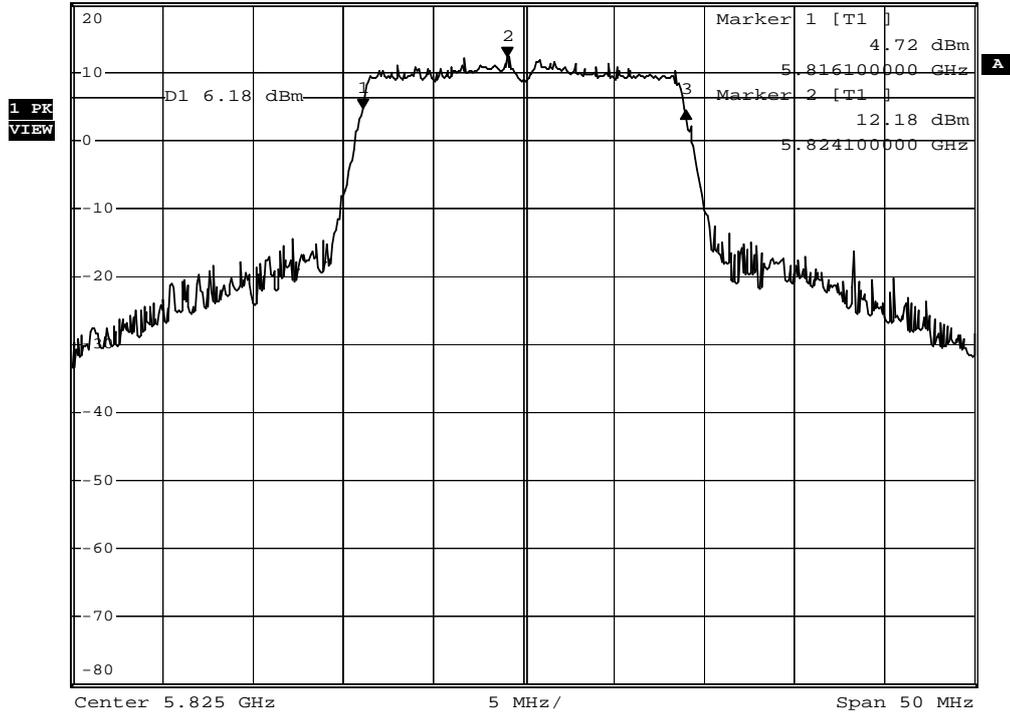
Comment: A:\2
 Date: 25.APR.2012 11:48:19

Channel 165



*RBW 300 kHz Delta 3 [T1]
*VBW 1 MHz -0.43 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 17.900000000 MHz

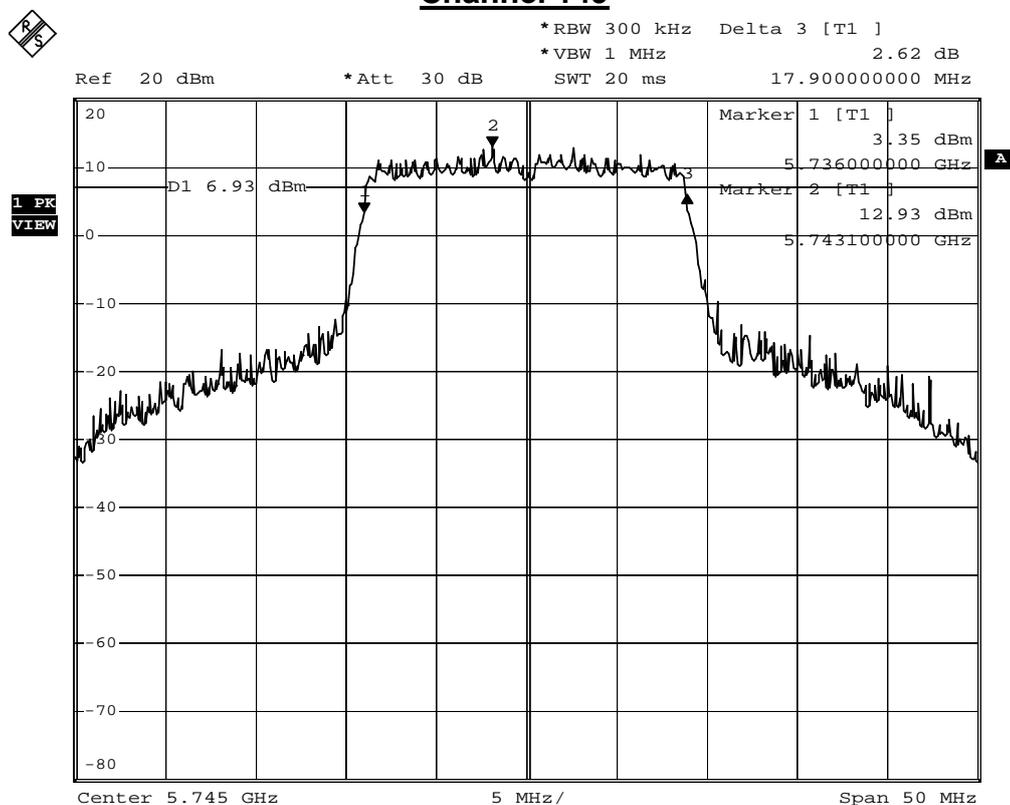


Comment: A:\2
Date: 25.APR.2012 11:47:16

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.90	≥ 0.5	Pass
157	5785	17.90	≥ 0.5	Pass
165	5825	17.80	≥ 0.5	Pass

Channel 149



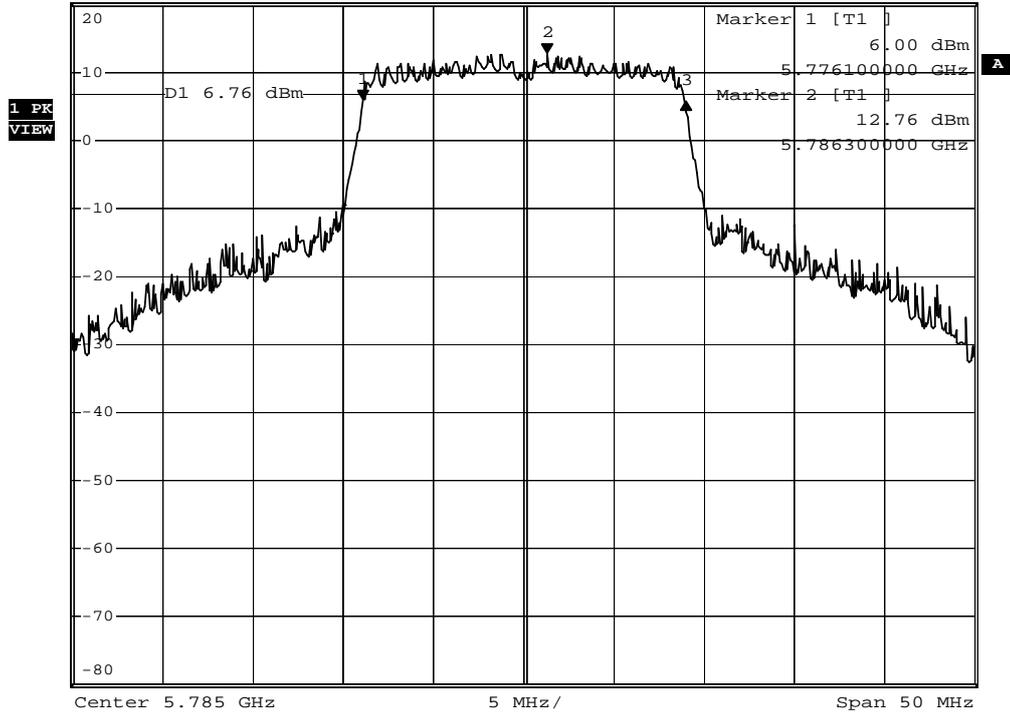
Comment: A:\2
 Date: 25.APR.2012 11:50:43

Channel 157



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -0.32 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 17.900000000 MHz



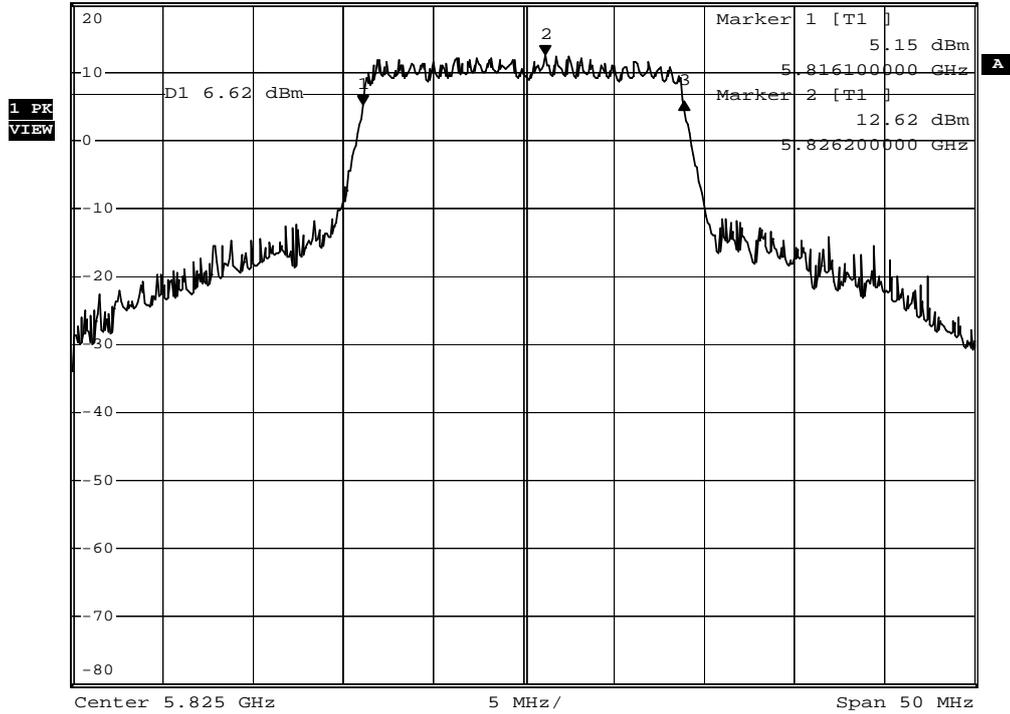
Comment: A:\2
 Date: 25.APR.2012 11:51:56

Channel 165



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz 0.65 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 17.800000000 MHz

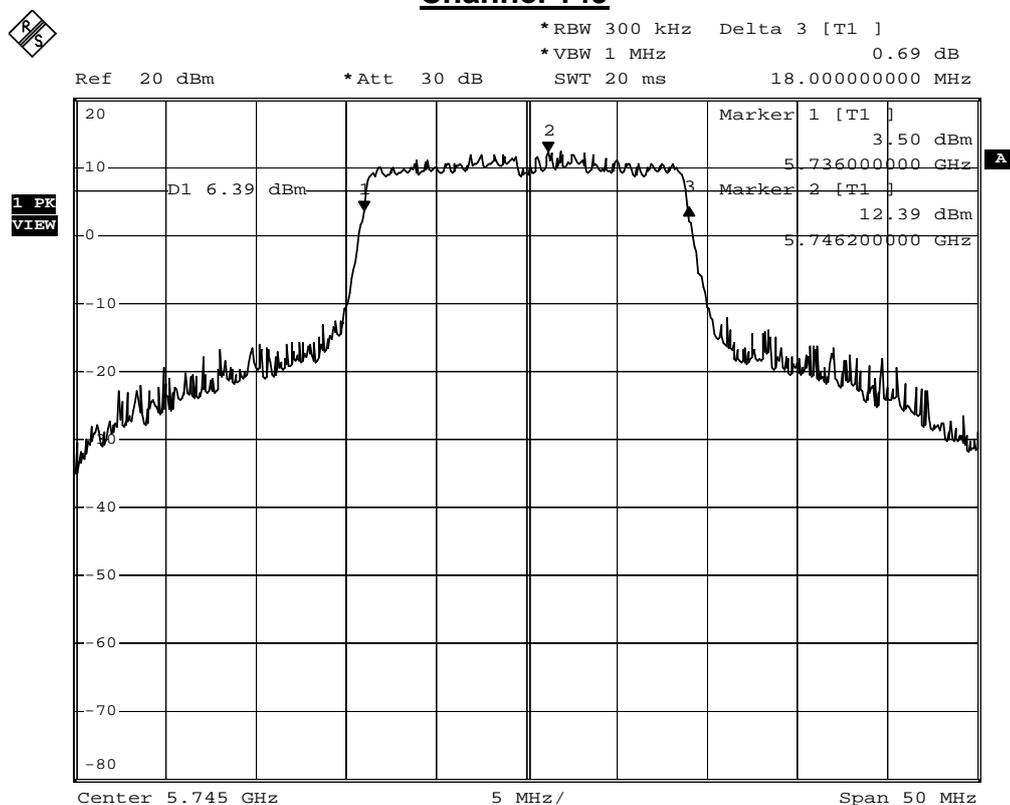


Comment: A:\2
 Date: 25.APR.2012 11:53:42

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	18.00	≥ 0.5	Pass
157	5785	18.00	≥ 0.5	Pass
165	5825	17.80	≥ 0.5	Pass

Channel 149



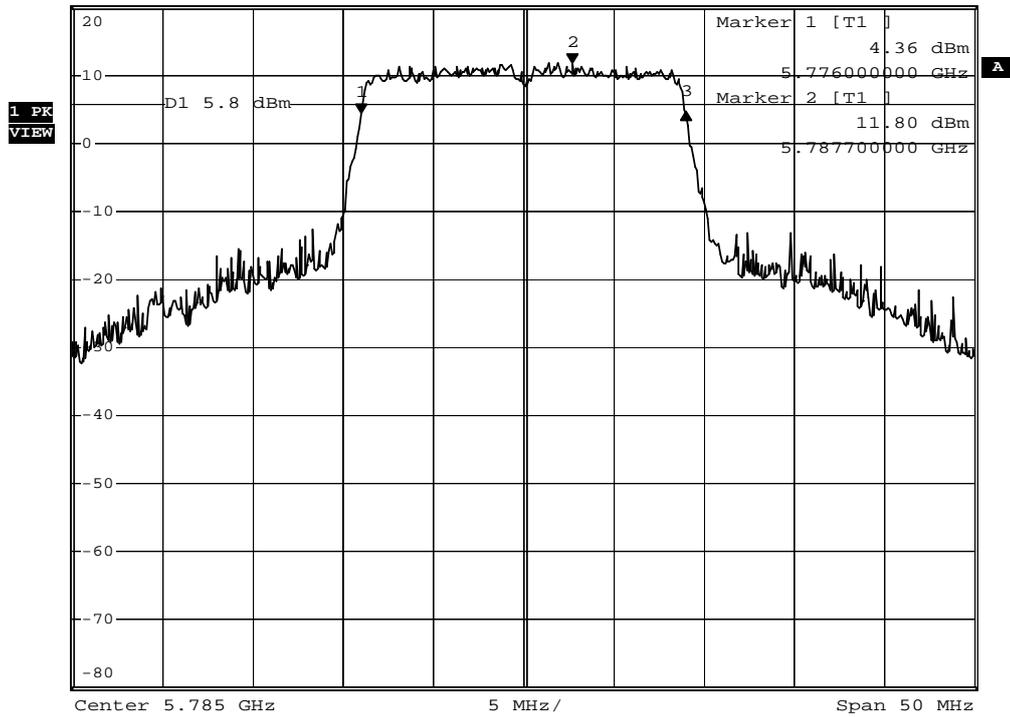
Comment: A:\2
 Date: 25.APR.2012 11:58:22

Channel 157



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz 0.22 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 18.000000000 MHz



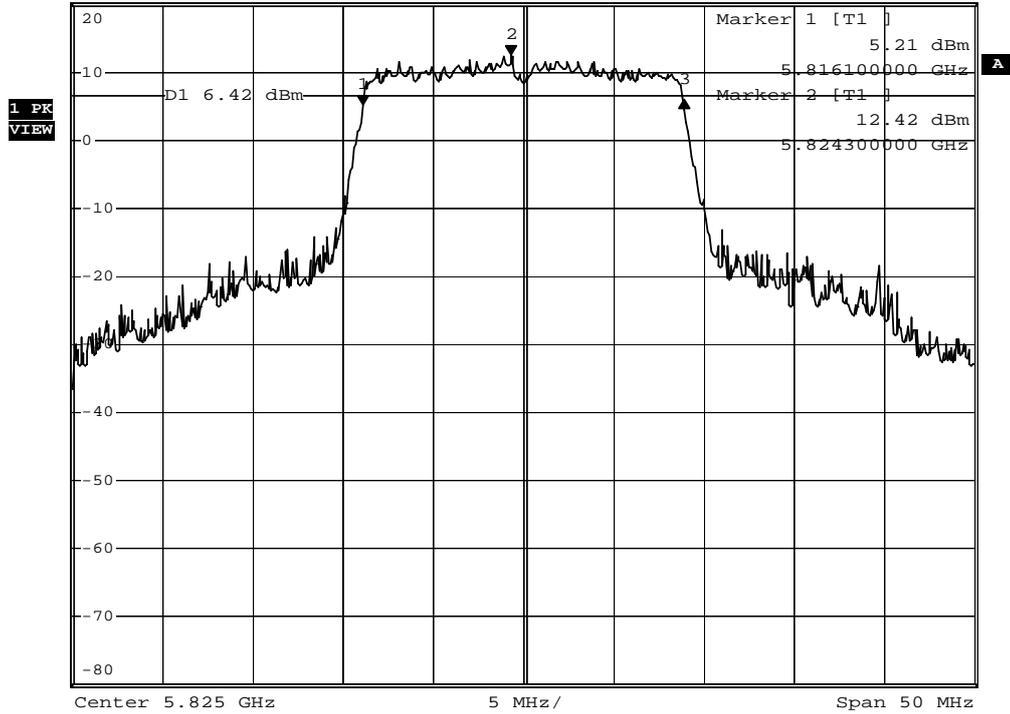
Comment: A:\2
 Date: 25.APR.2012 11:57:24

Channel 165



*RBW 300 kHz Delta 3 [T1]
*VBW 1 MHz 0.84 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 17.800000000 MHz

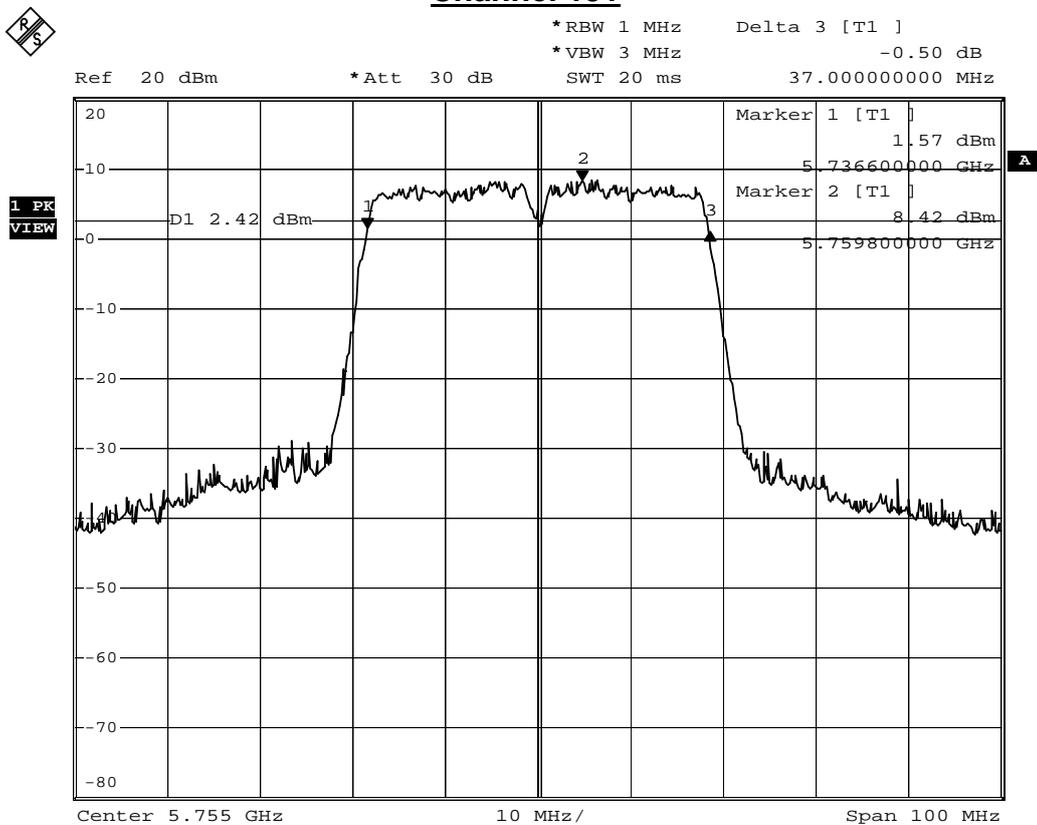


Comment: A:\2
Date: 25.APR.2012 11:56:27

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	37.00	≥ 0.5	Pass
159	5795	37.00	≥ 0.5	Pass

Channel 151

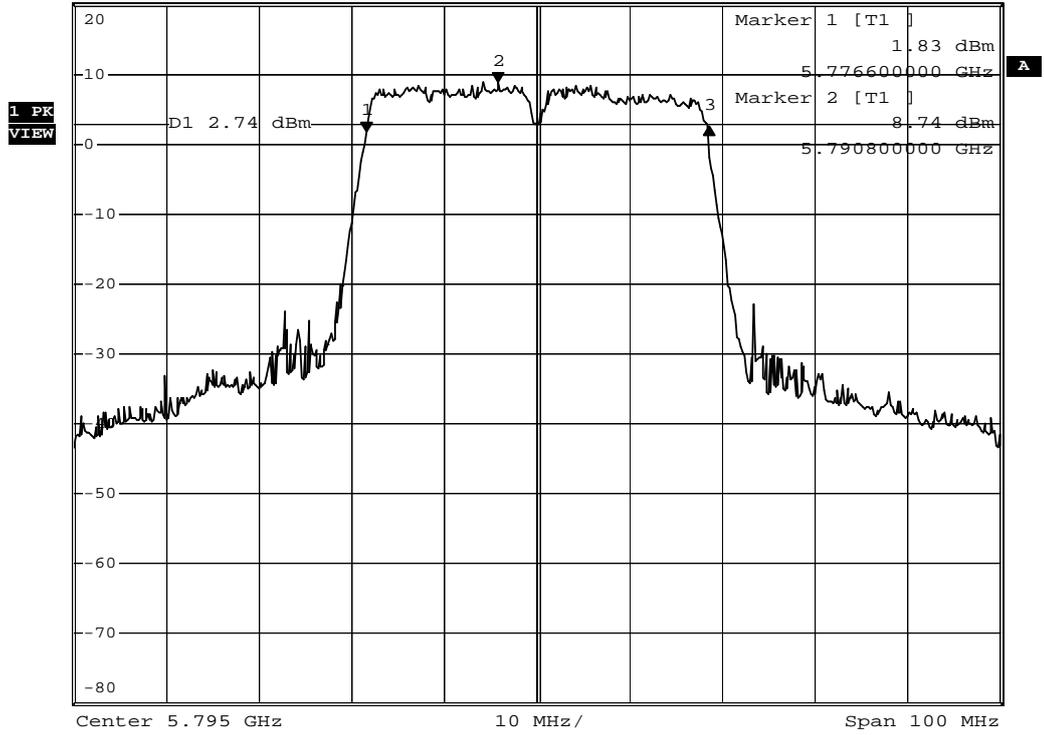


Date: 18.MAY.2012 19:47:36

Channel 159



*RBW 1 MHz Delta 3 [T1]
 *VBW 3 MHz 0.58 dB
 Ref 20 dBm *Att 30 dB SWT 20 ms 37.000000000 MHz

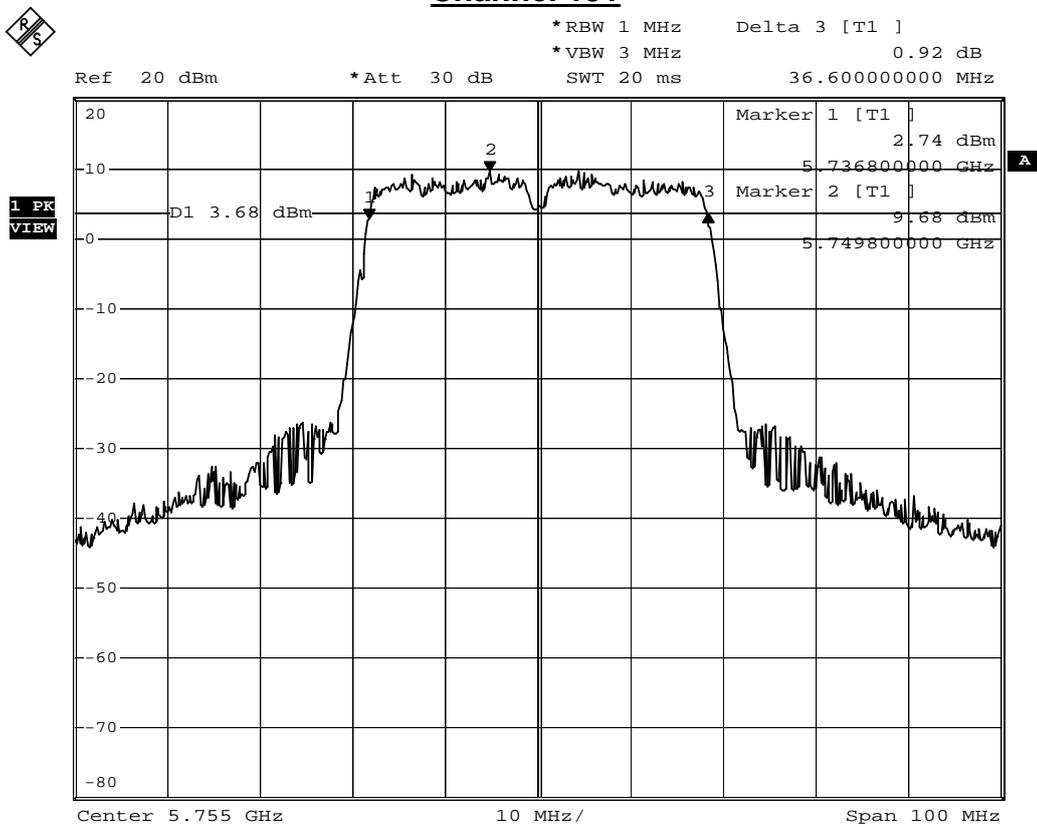


Date: 18.MAY.2012 19:50:20

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.60	≥ 0.5	Pass
159	5795	36.80	≥ 0.5	Pass

Channel 151

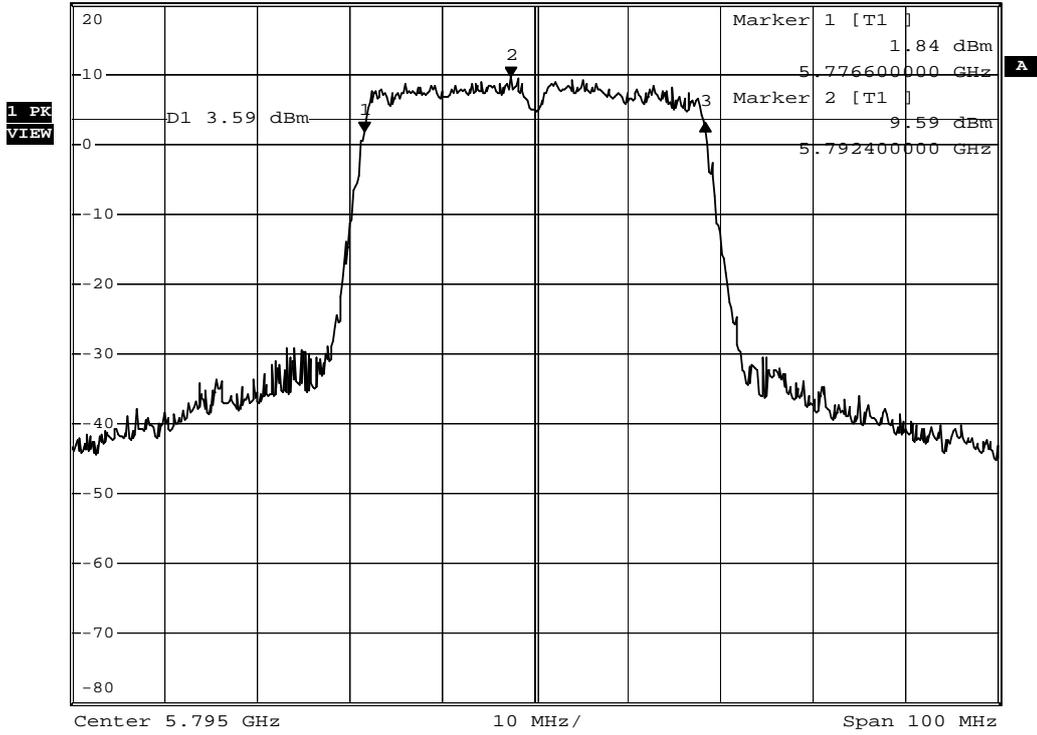


Date: 18.MAY.2012 19:53:17

Channel 159



*RBW 1 MHz Delta 3 [T1]
 *VBW 3 MHz 1.29 dB
 Ref 20 dBm *Att 30 dB SWT 20 ms 36.800000000 MHz

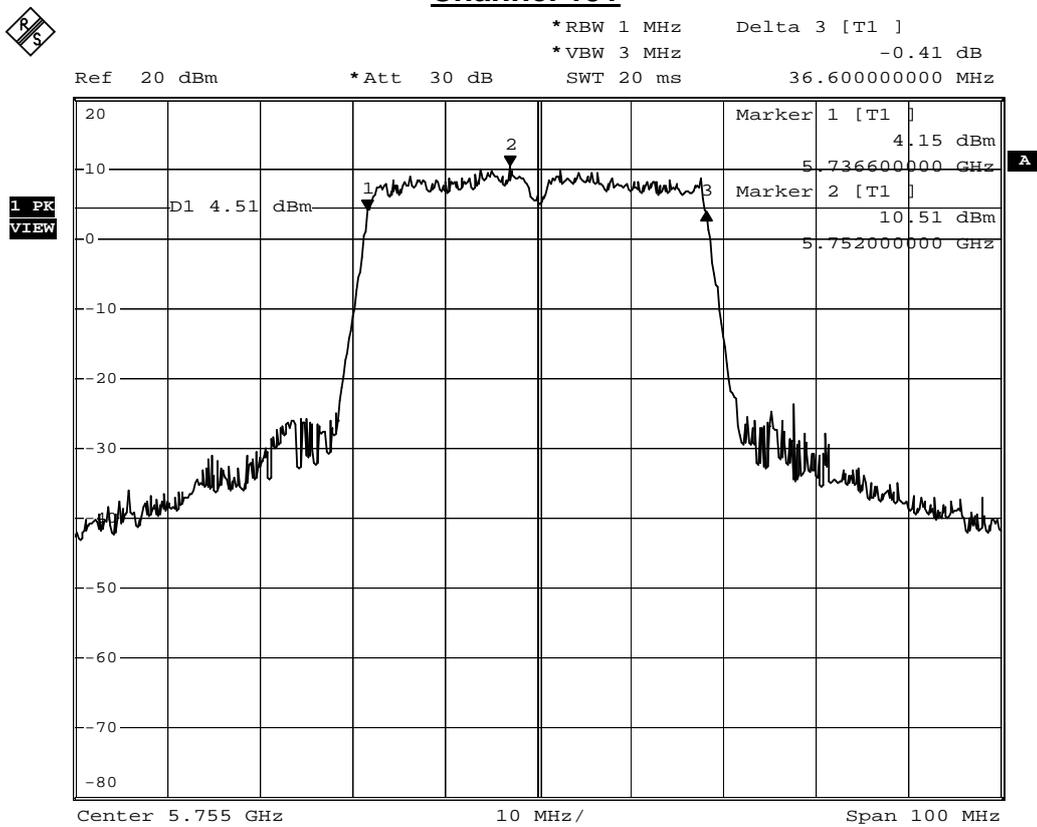


Date: 18.MAY.2012 19:52:17

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.60	≥ 0.5	Pass
159	5795	36.80	≥ 0.5	Pass

Channel 151

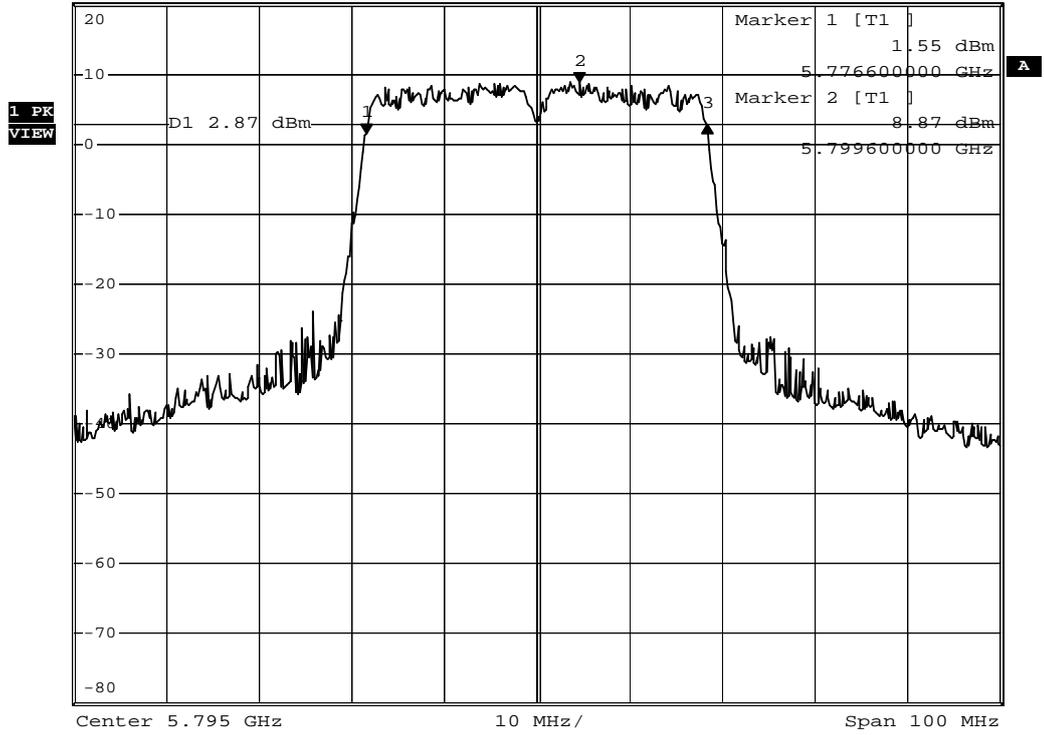


Date: 18.MAY.2012 19:54:55

Channel 159



*RBW 1 MHz Delta 3 [T1]
 *VBW 3 MHz 1.21 dB
 Ref 20 dBm *Att 30 dB SWT 20 ms 36.800000000 MHz

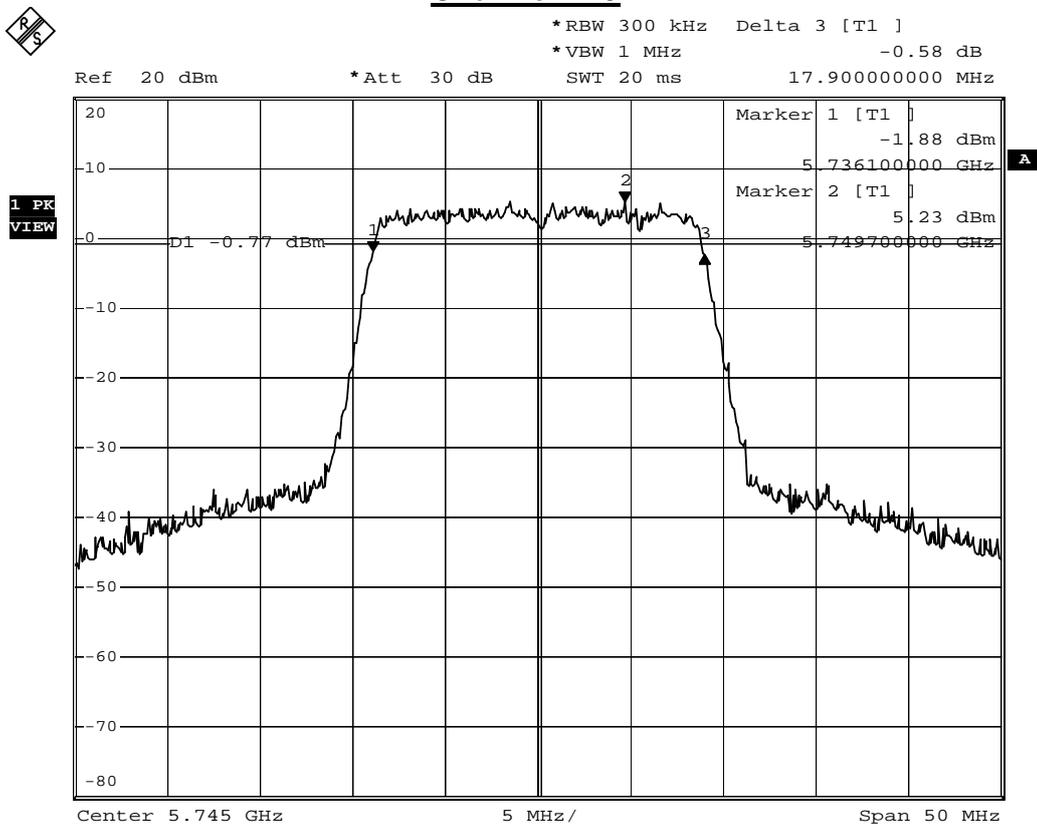


Date: 18.MAY.2012 19:56:10

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.90	≥ 0.5	Pass
157	5785	17.90	≥ 0.5	Pass
165	5825	17.70	≥ 0.5	Pass

Channel 149



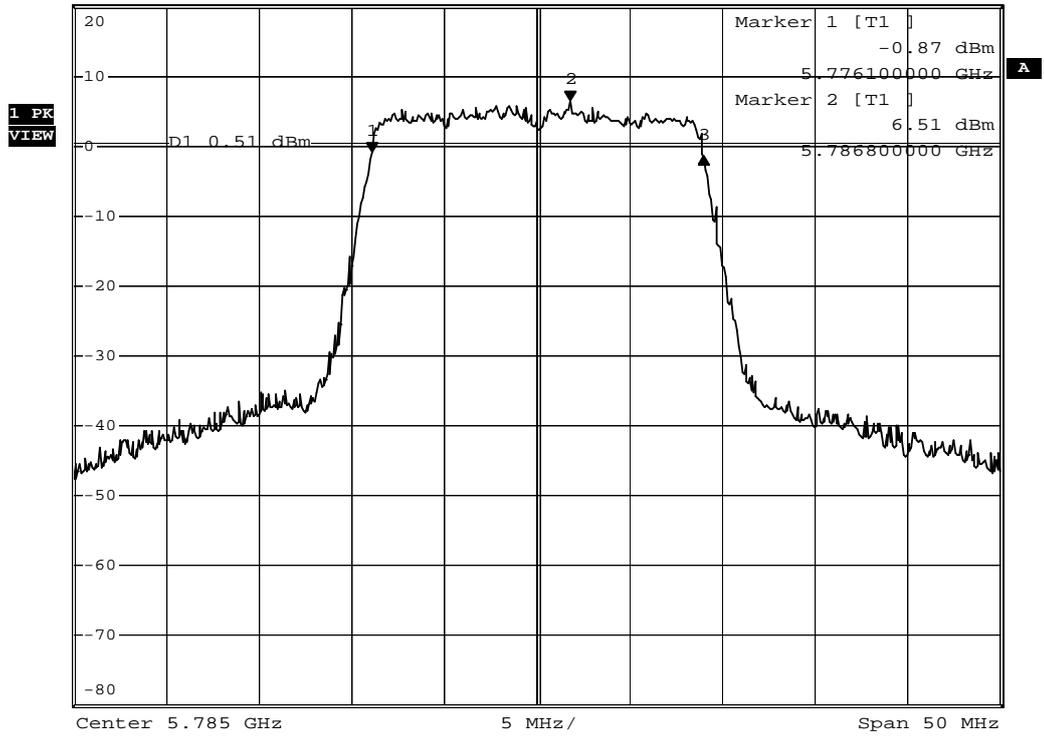
Date: 18.MAY.2012 20:48:28

Channel 157



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -0.65 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 17.900000000 MHz



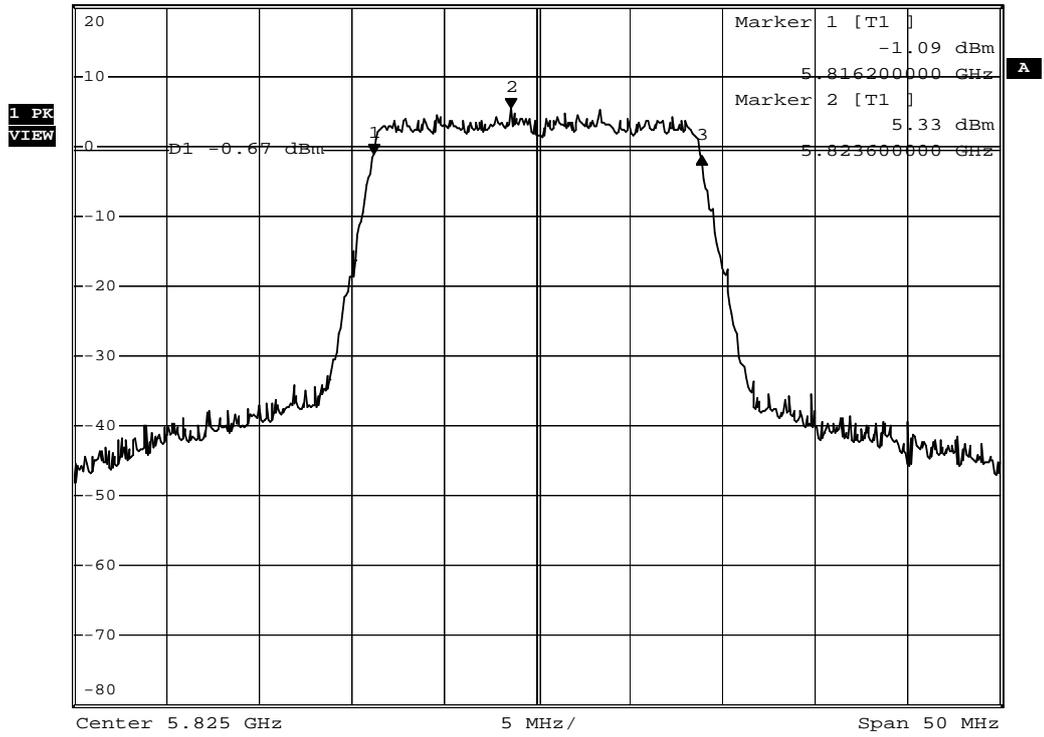
Date: 18.MAY.2012 20:51:39

Channel 165



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -0.23 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 17.700000000 MHz

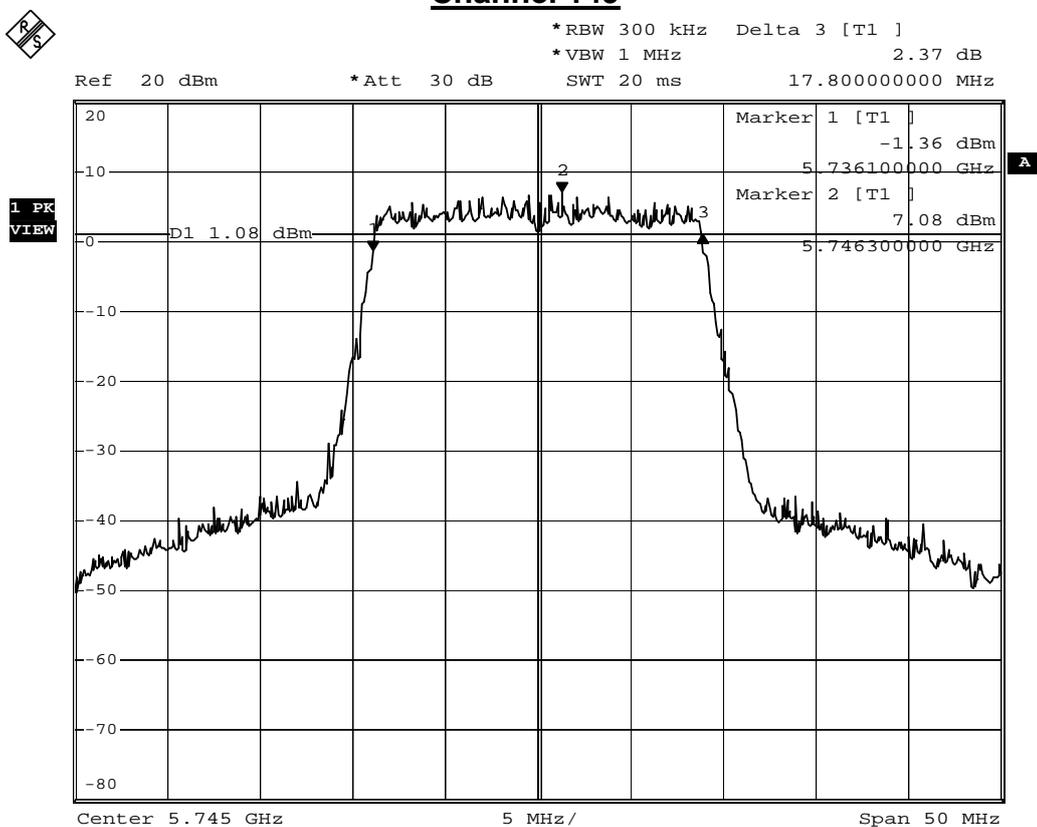


Date: 18.MAY.2012 20:54:02

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.80	≥ 0.5	Pass
157	5785	17.80	≥ 0.5	Pass
165	5825	17.70	≥ 0.5	Pass

Channel 149



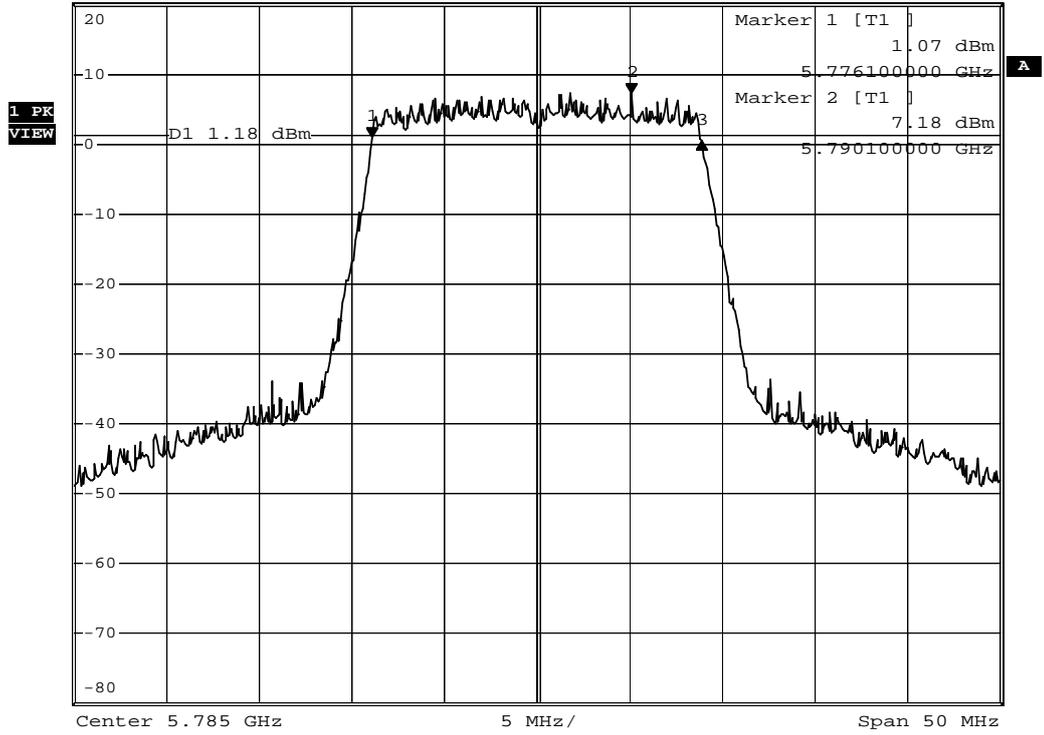
Date: 18.MAY.2012 21:02:21

Channel 157



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -0.75 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 17.800000000 MHz



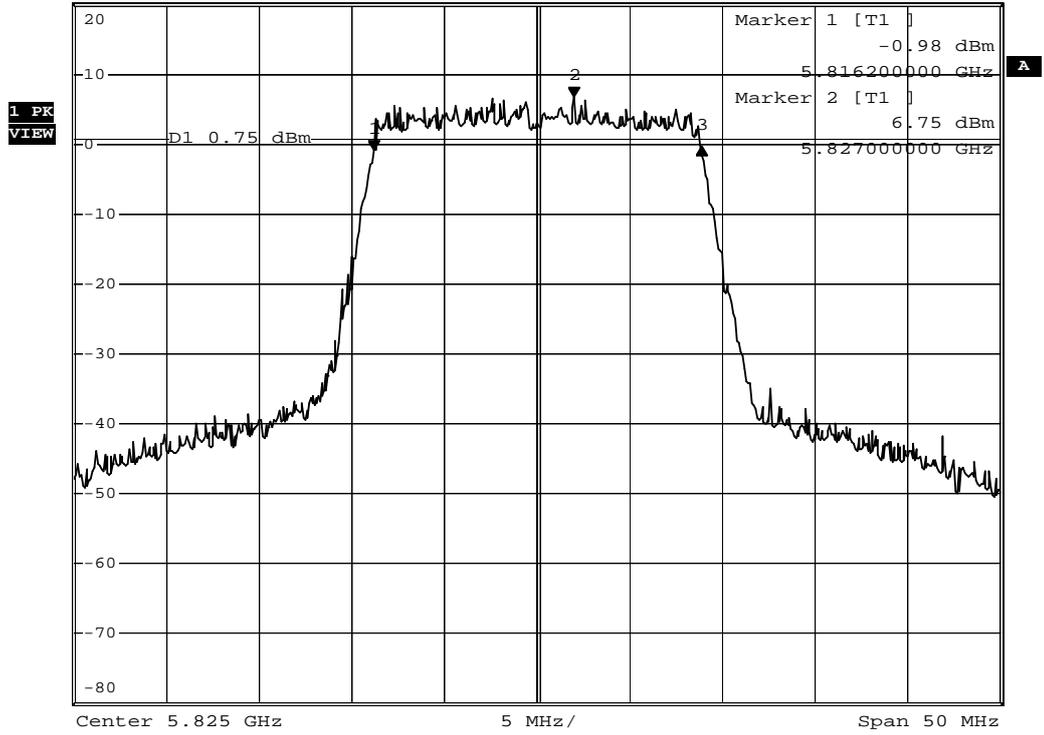
Date: 18.MAY.2012 20:59:13

Channel 165



*RBW 300 kHz Delta 3 [T1]
*VBW 1 MHz 0.75 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 17.700000000 MHz

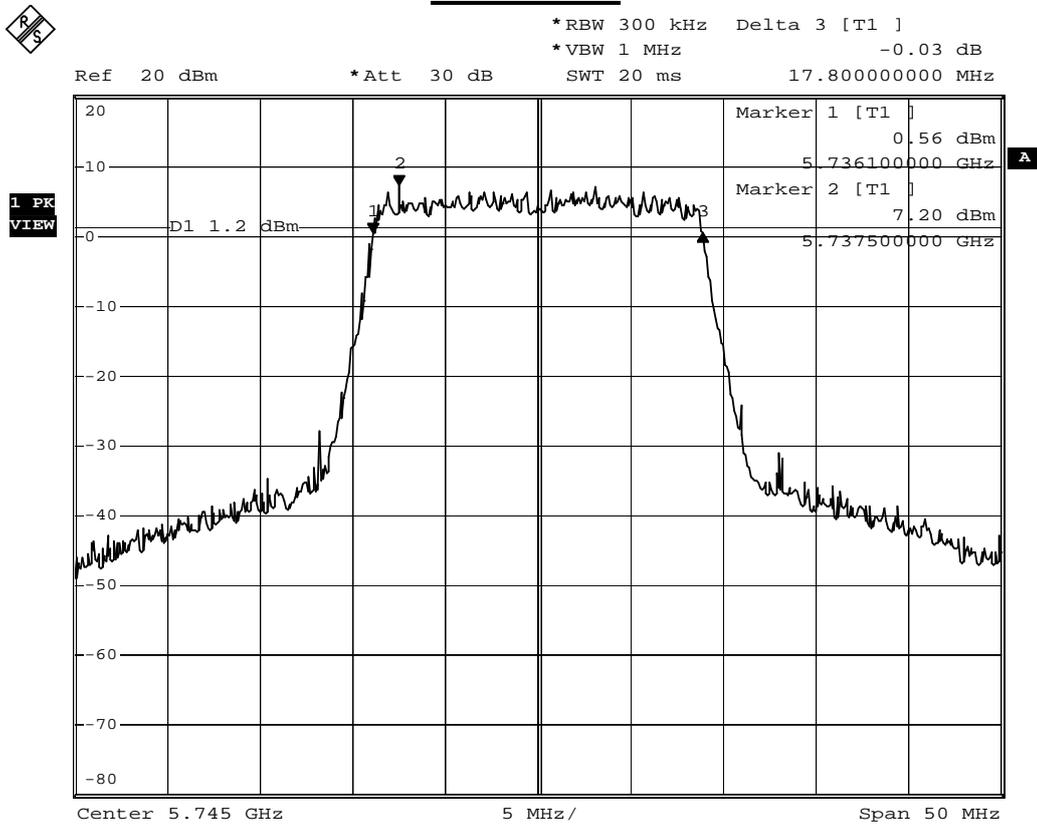


Date: 18.MAY.2012 20:56:57

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (20MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.80	≥ 0.5	Pass
157	5785	17.90	≥ 0.5	Pass
165	5825	17.80	≥ 0.5	Pass

Channel 149



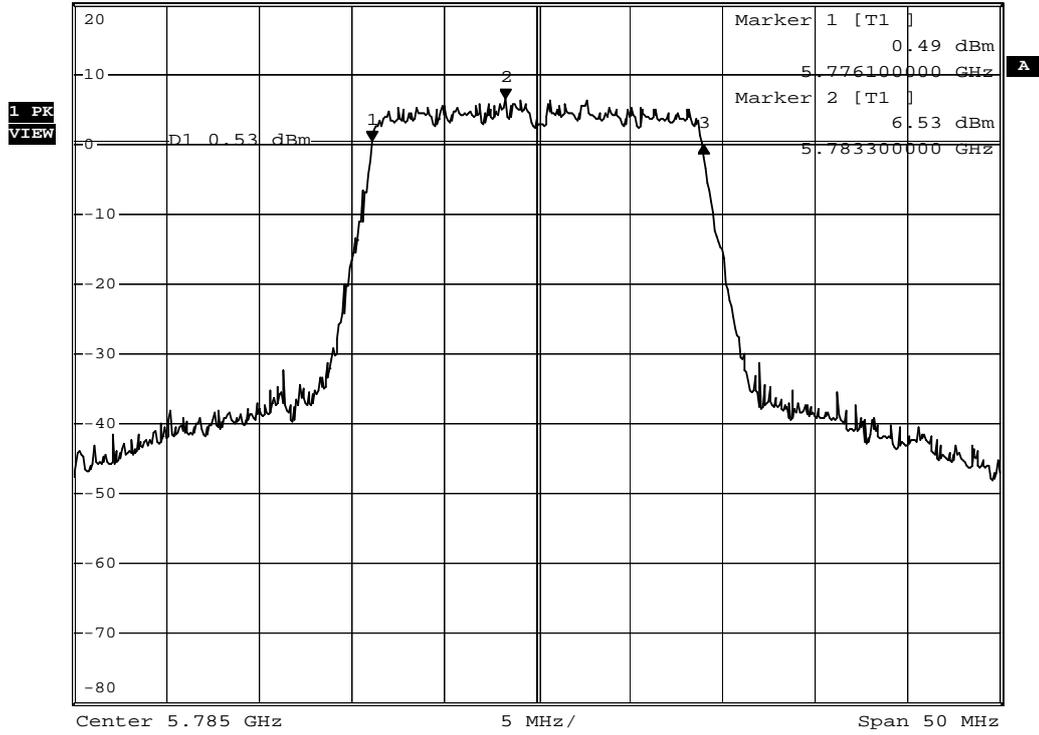
Date: 18.MAY.2012 21:07:28

Channel 157



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -0.62 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 17.900000000 MHz



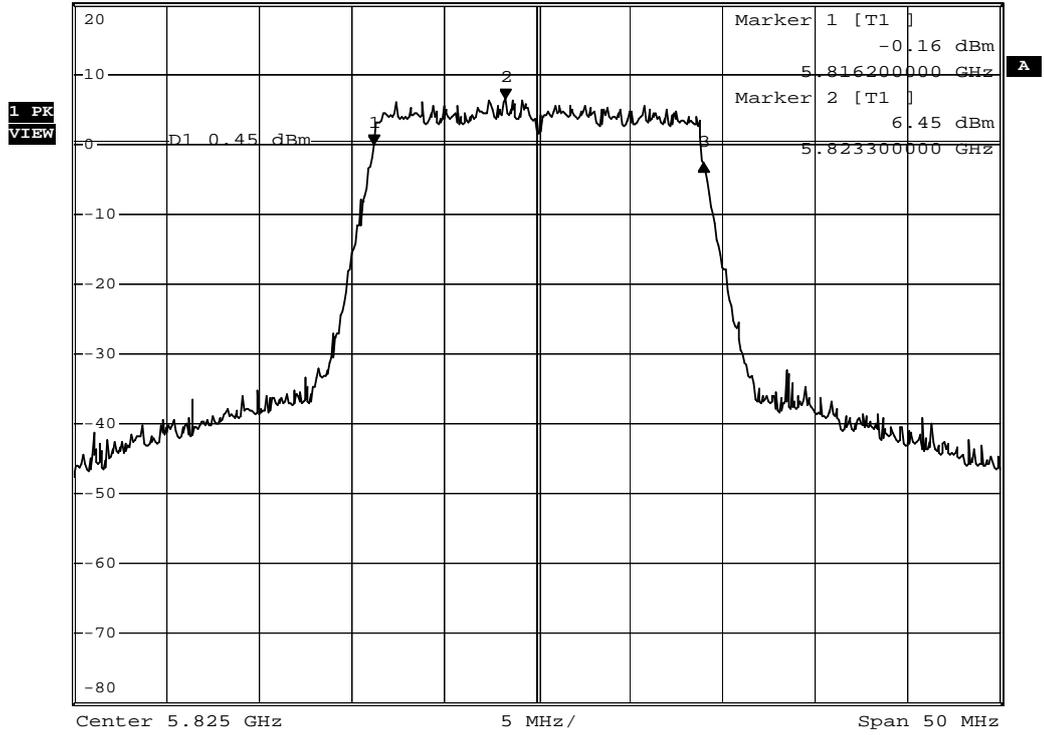
Date: 18.MAY.2012 21:10:04

Channel 165



*RBW 300 kHz Delta 3 [T1]
 *VBW 1 MHz -2.65 dB

Ref 20 dBm *Att 30 dB SWT 20 ms 17.800000000 MHz

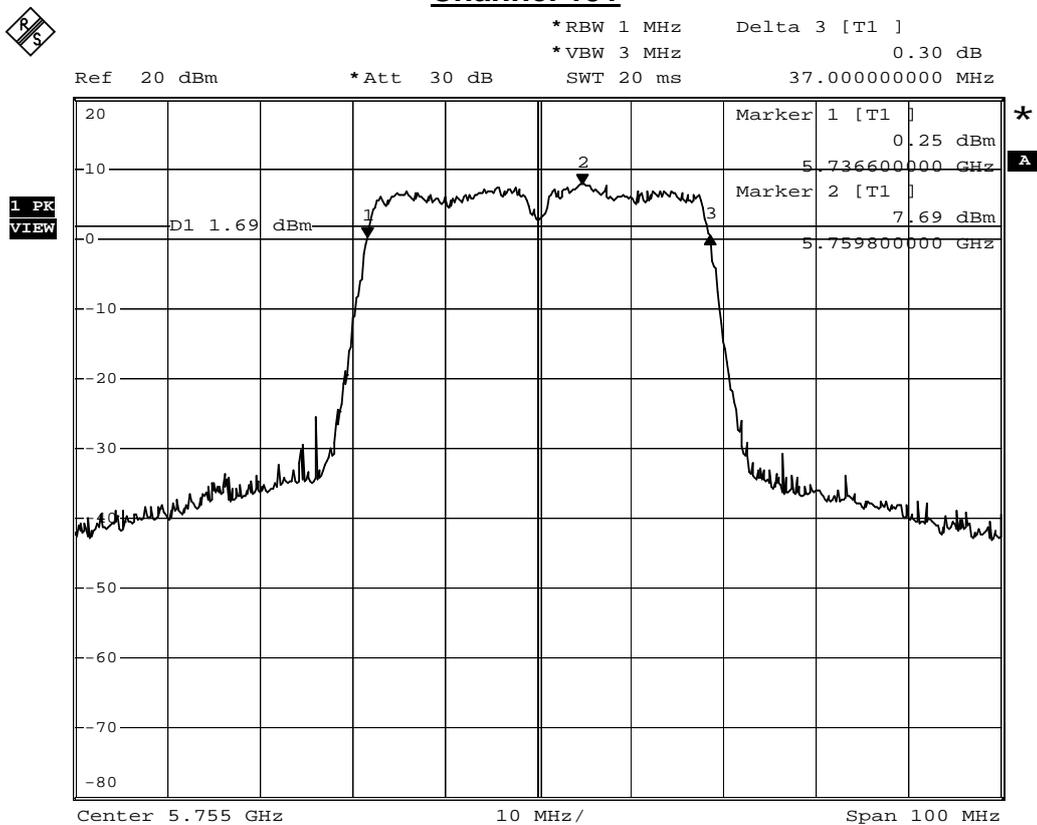


Date: 18.MAY.2012 21:12:05

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	37.00	≥ 0.5	Pass
159	5795	36.60	≥ 0.5	Pass

Channel 151

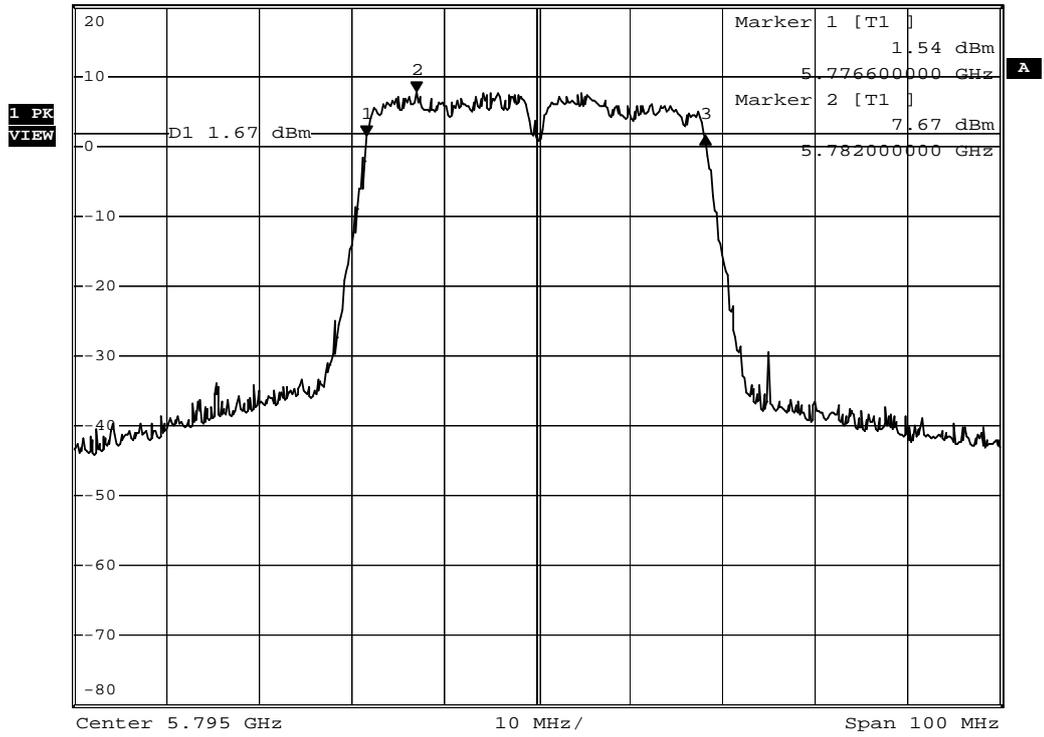


Date: 18.MAY.2012 21:41:43

Channel 159



*RBW 1 MHz Delta 3 [T1]
 *VBW 3 MHz -0.03 dB
 Ref 20 dBm *Att 30 dB SWT 20 ms 36.600000000 MHz

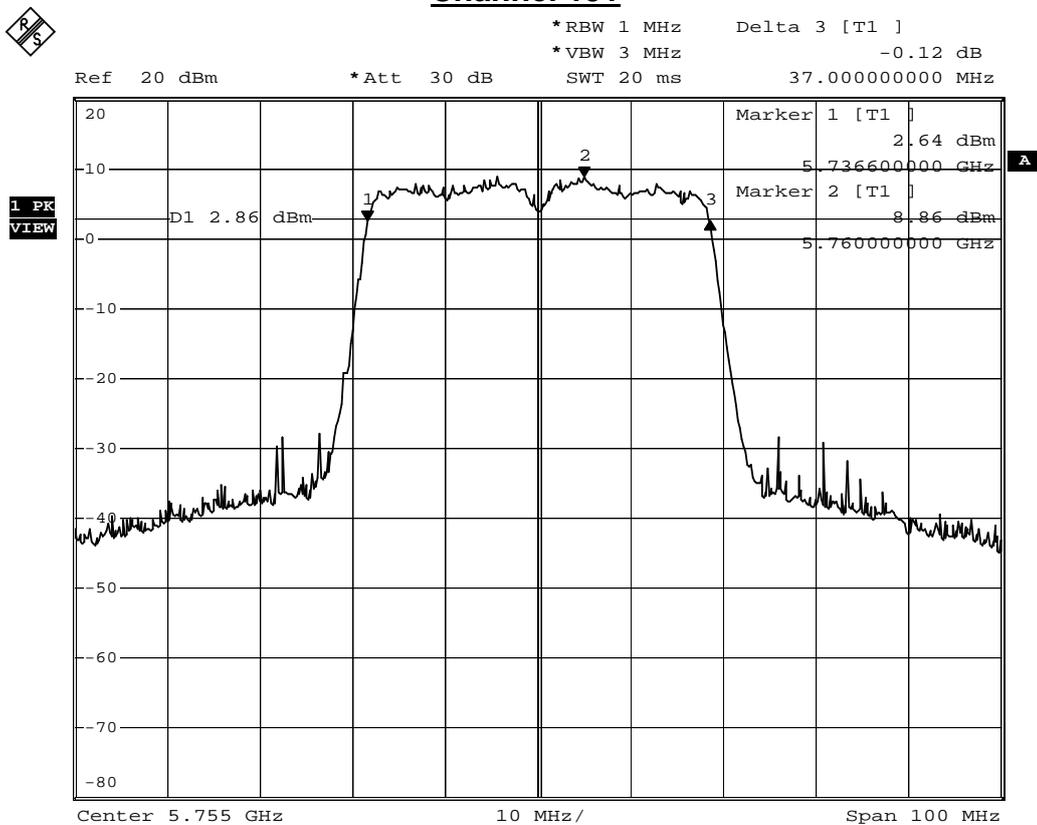


Date: 18.MAY.2012 21:43:53

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	37.00	≥ 0.5	Pass
159	5795	37.00	≥ 0.5	Pass

Channel 151

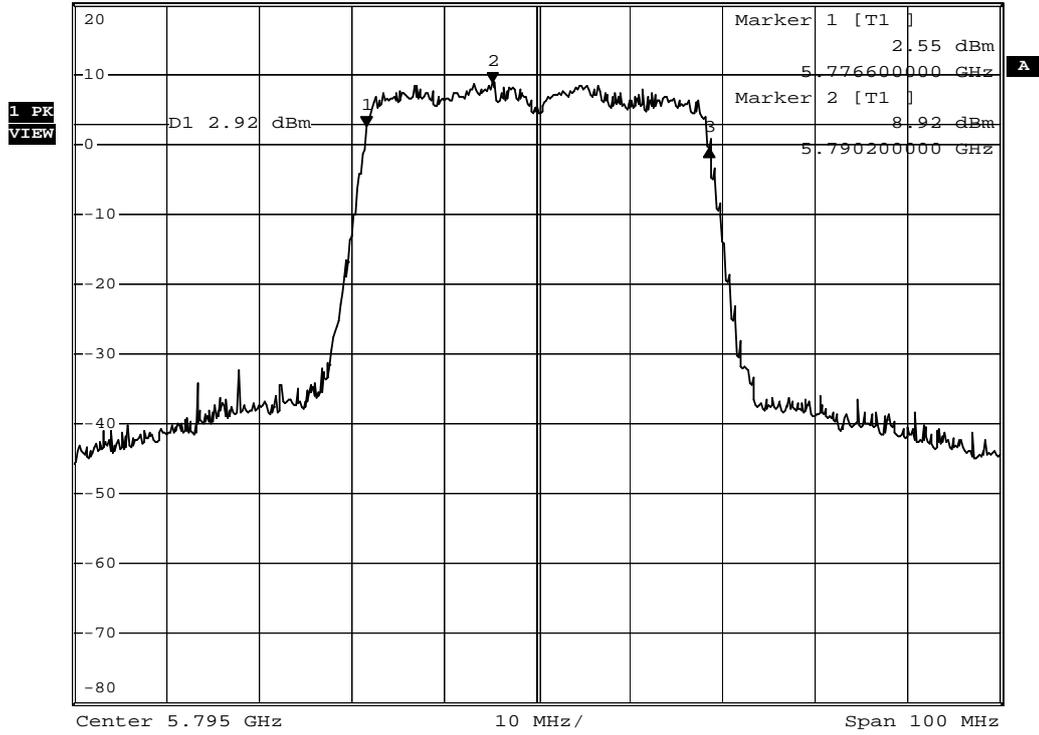


Date: 18.MAY.2012 21:37:27

Channel 159



*RBW 1 MHz Delta 3 [T1]
 *VBW 3 MHz -3.05 dB
 Ref 20 dBm *Att 30 dB SWT 20 ms 37.000000000 MHz

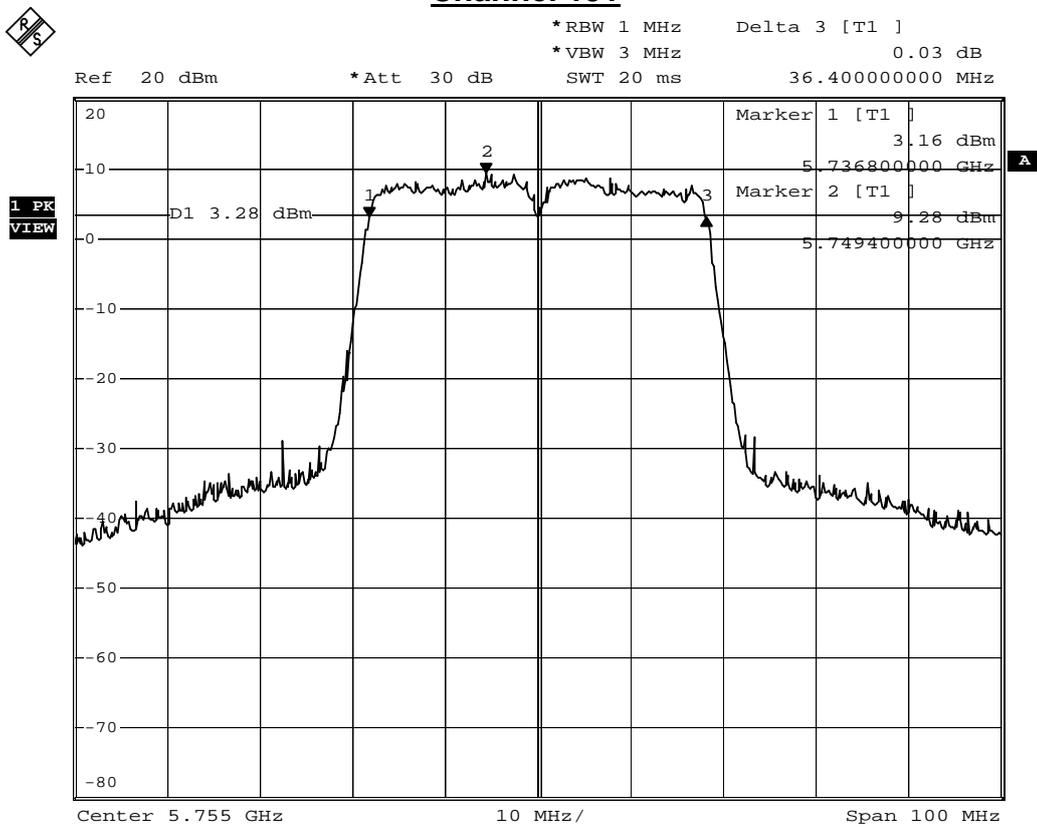


Date: 18.MAY.2012 21:35:23

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.40	≥ 0.5	Pass
159	5795	36.80	≥ 0.5	Pass

Channel 151

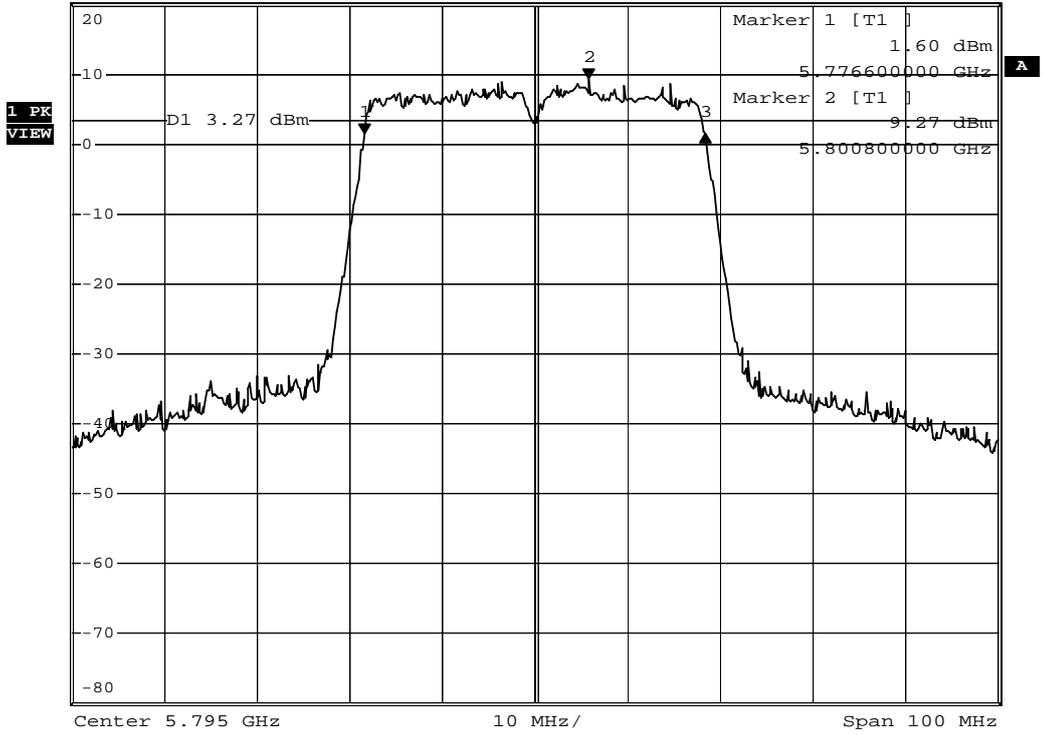


Date: 18.MAY.2012 21:29:26

Channel 159



*RBW 1 MHz Delta 3 [T1]
 *VBW 3 MHz -0.08 dB
 Ref 20 dBm *Att 30 dB SWT 20 ms 36.800000000 MHz

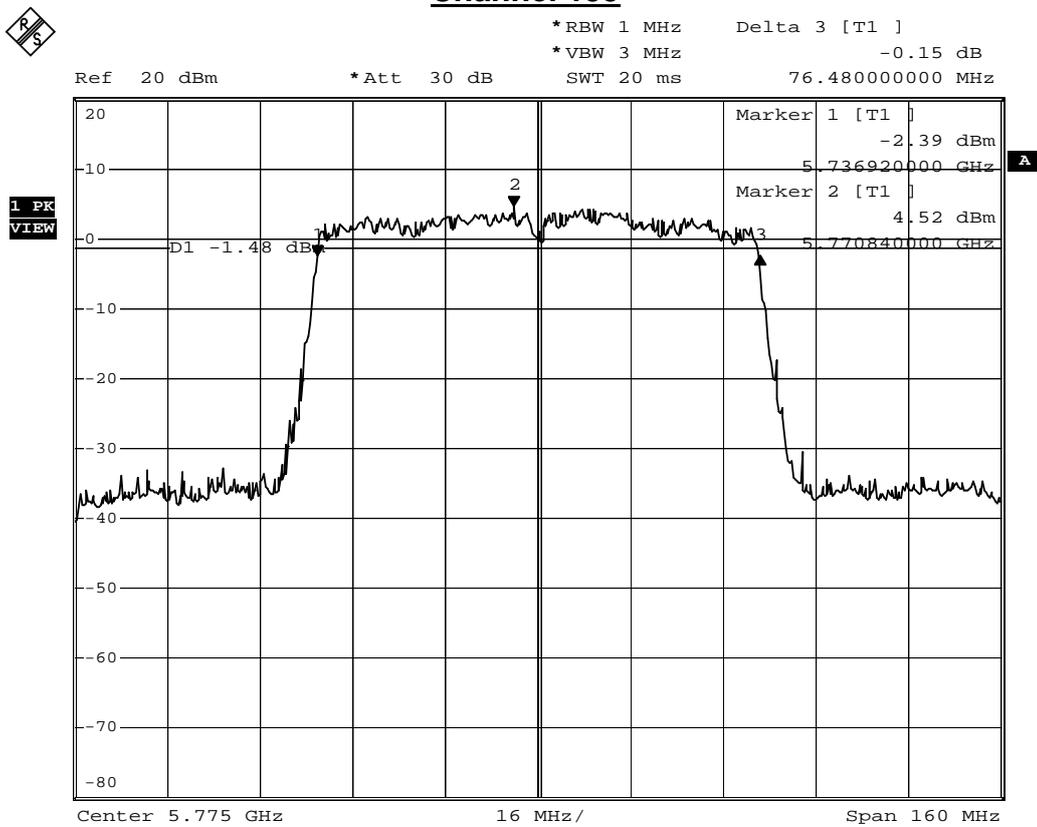


Date: 18.MAY.2012 21:32:09

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
155	5775	76.48	≥ 0.5	Pass

Channel 155

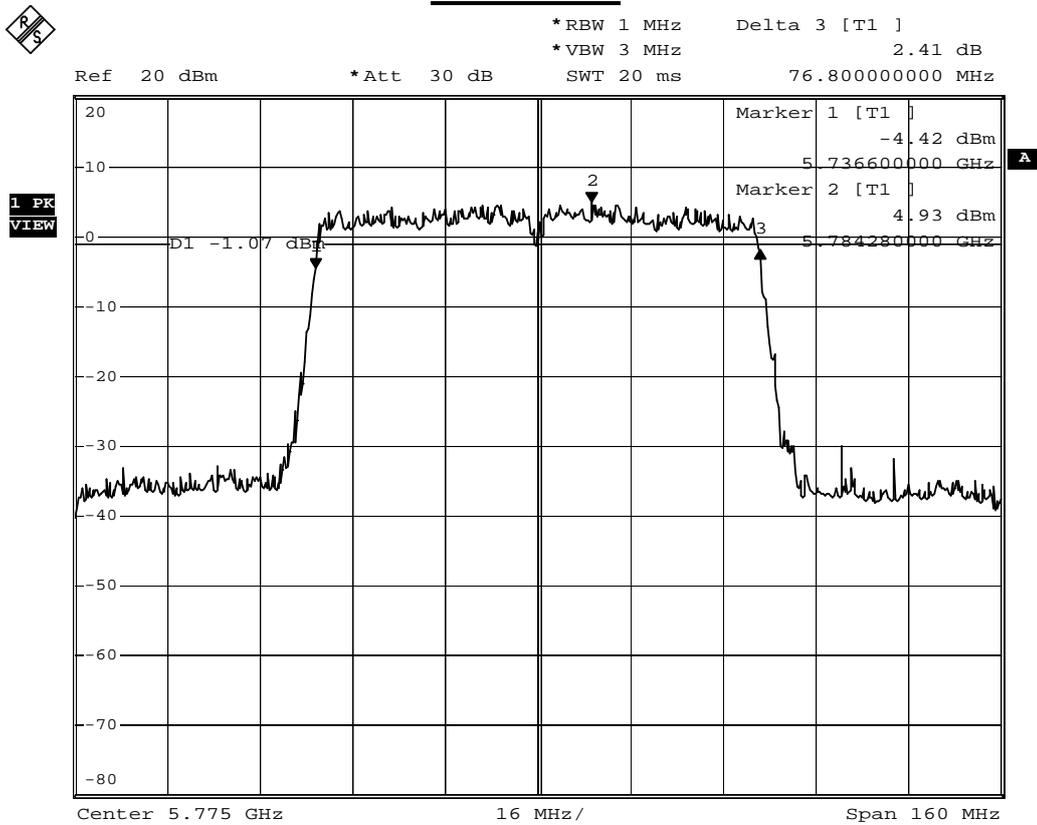


Date: 18.MAY.2012 20:15:21

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
155	5775	76.80	≥ 0.5	Pass

Channel 155

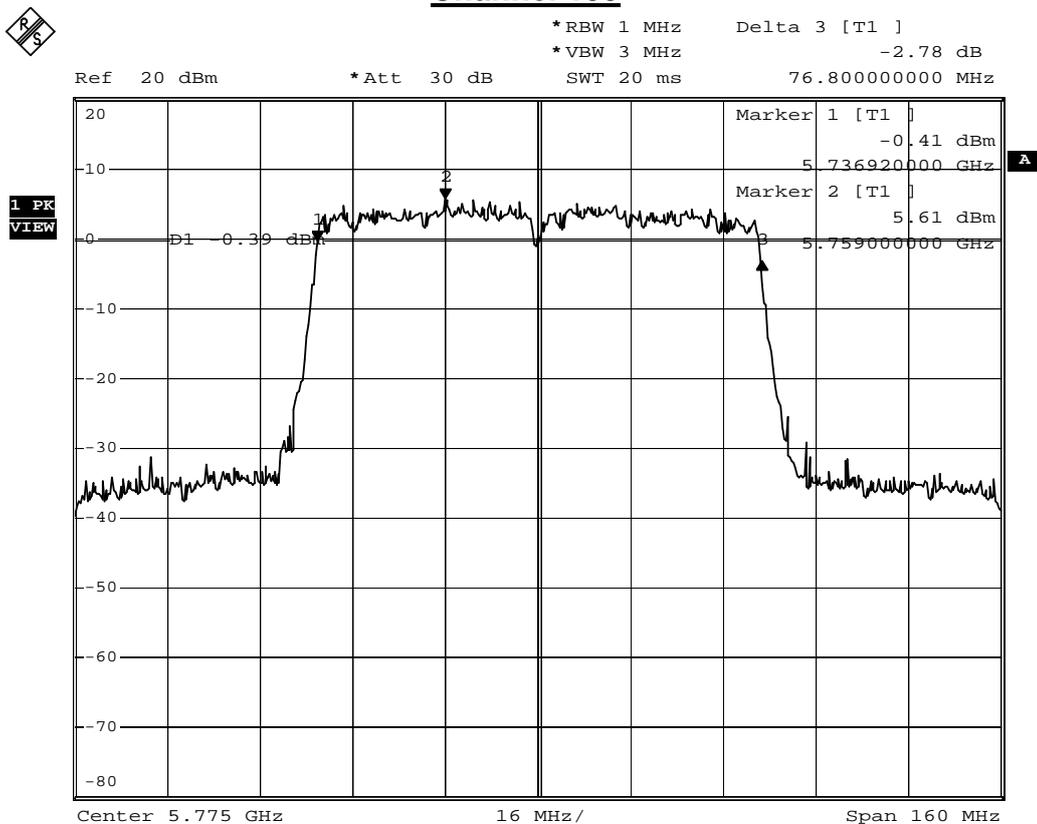


Date: 18.MAY.2012 20:14:05

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
155	5775	76.80	≥0.5	Pass

Channel 155



Date: 18.MAY.2012 20:12:45

8. Power Density

8.1. Test Equipment

The following test equipment is used during the test:

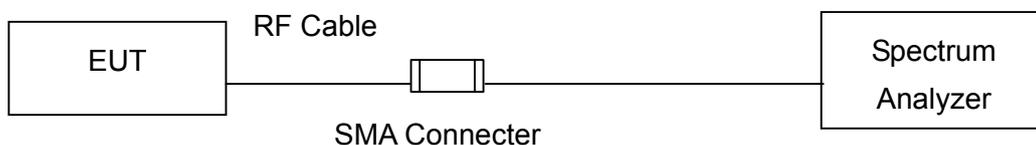
Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2013/02/19

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

8.2. Test Setup

IEEE 802.11 b / g / n (20M / 40M) MODE



8.3. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

8.4. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW= 100 kHz, Set VBW= 300 kHz, Sweep time=Auto, Set detector=Peak detector

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

8.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

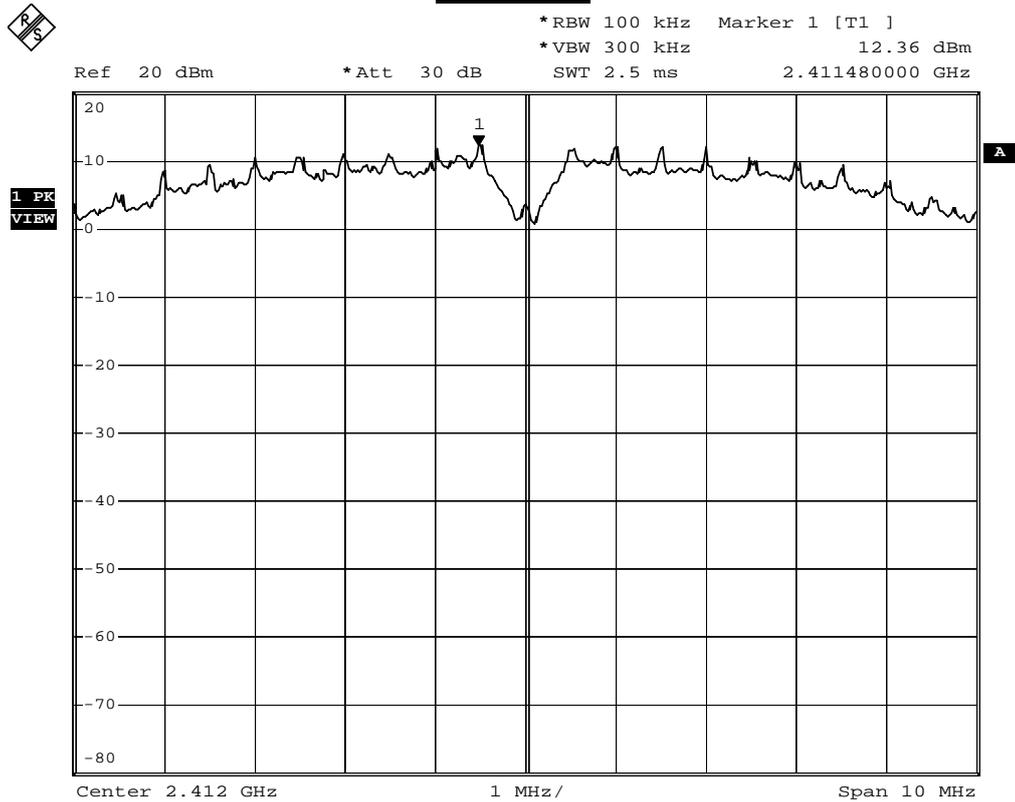
8.7. Test Result

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11b					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	12.36	-2.84	≤ 8	Pass
6	2437	12.78	-2.42	≤ 8	Pass
11	2462	12.29	-2.91	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 1



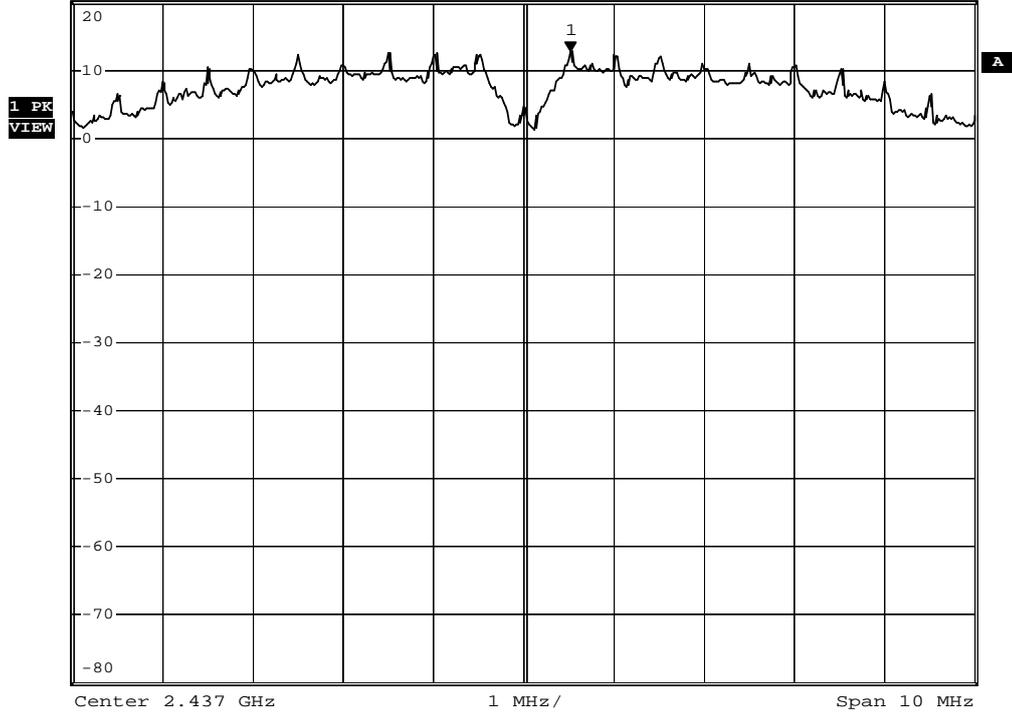
Comment: A:\2
 Date: 10.MAY.2012 17:56:17

Channel 6



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 12.78 dBm
SWT 2.5 ms 2.437520000 GHz

Ref 20 dBm *Att 30 dB



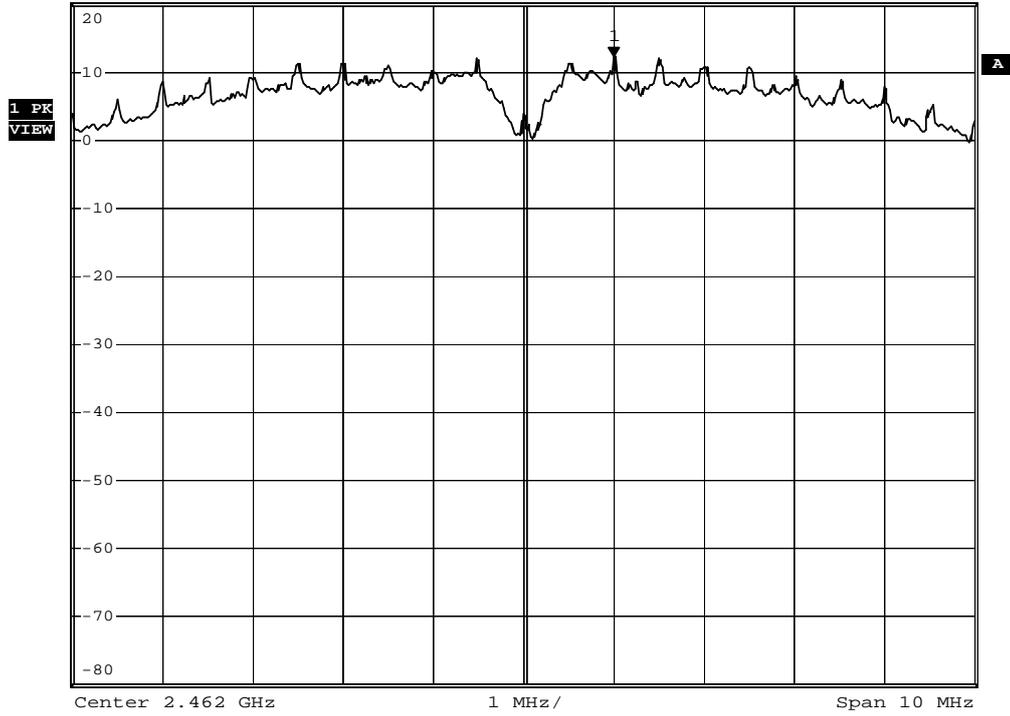
Comment: A:\2
Date: 10.MAY.2012 17:56:54

Channel 11



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 12.29 dBm
SWT 2.5 ms 2.463000000 GHz

Ref 20 dBm *Att 30 dB



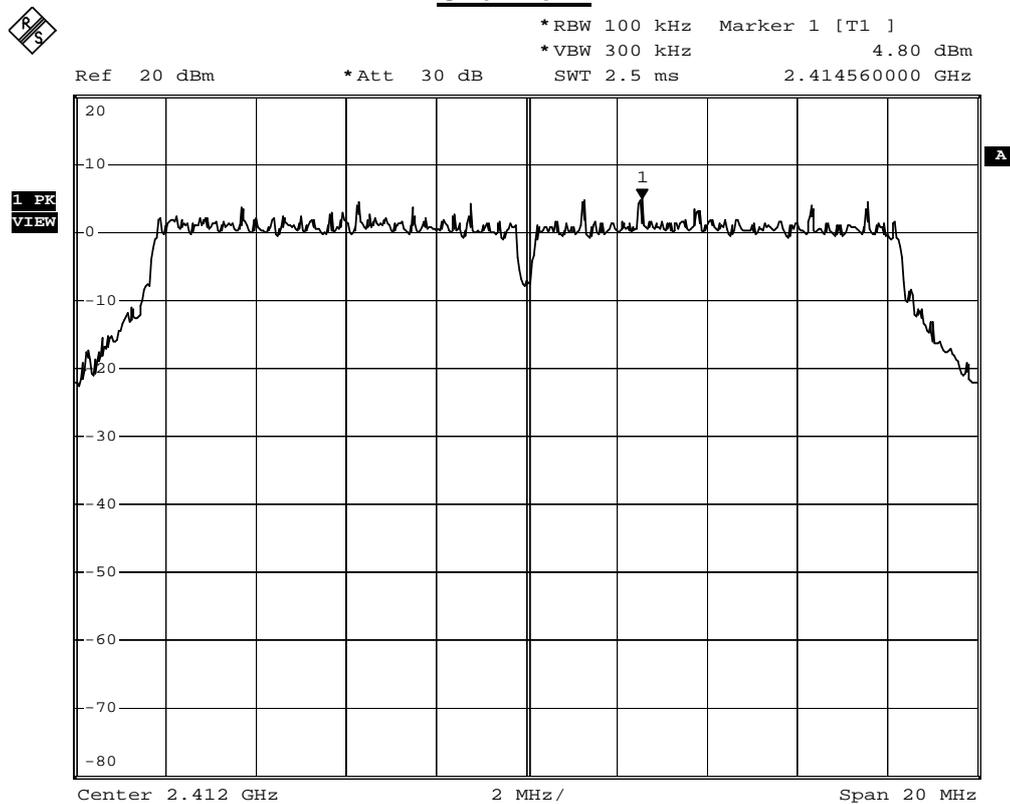
Comment: A:\2
Date: 10.MAY.2012 17:57:54

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11g					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	4.80	-10.4	≤ 8	Pass
6	2437	5.64	-9.56	≤ 8	Pass
11	2462	2.55	-12.65	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 1



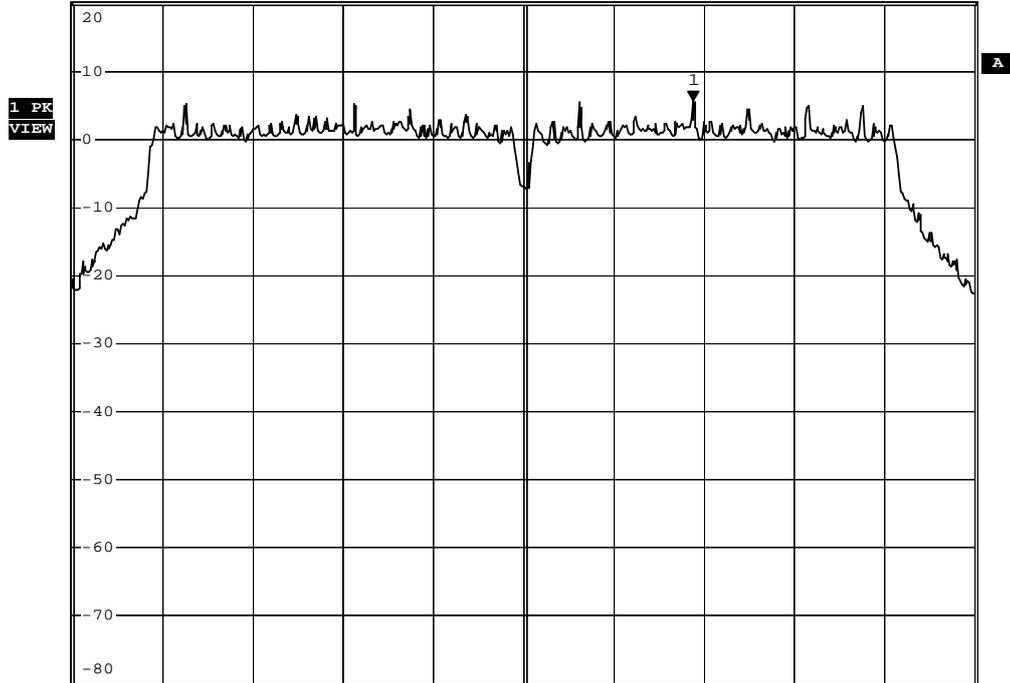
Comment: A:\2
 Date: 10.MAY.2012 18:00:51

Channel 6



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 5.64 dBm
SWT 2.5 ms 2.440760000 GHz

Ref 20 dBm *Att 30 dB



Center 2.437 GHz 2 MHz/ Span 20 MHz

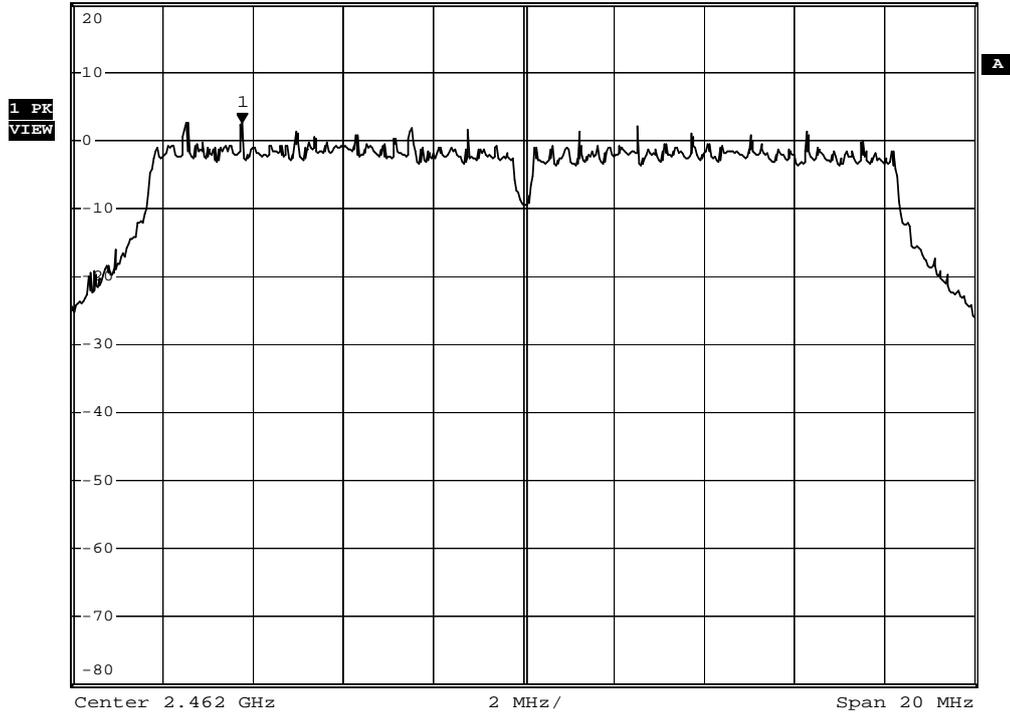
Comment: A:\2
Date: 10.MAY.2012 18:00:16

Channel 11



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.55 dBm
SWT 2.5 ms 2.455760000 GHz

Ref 20 dBm *Att 30 dB



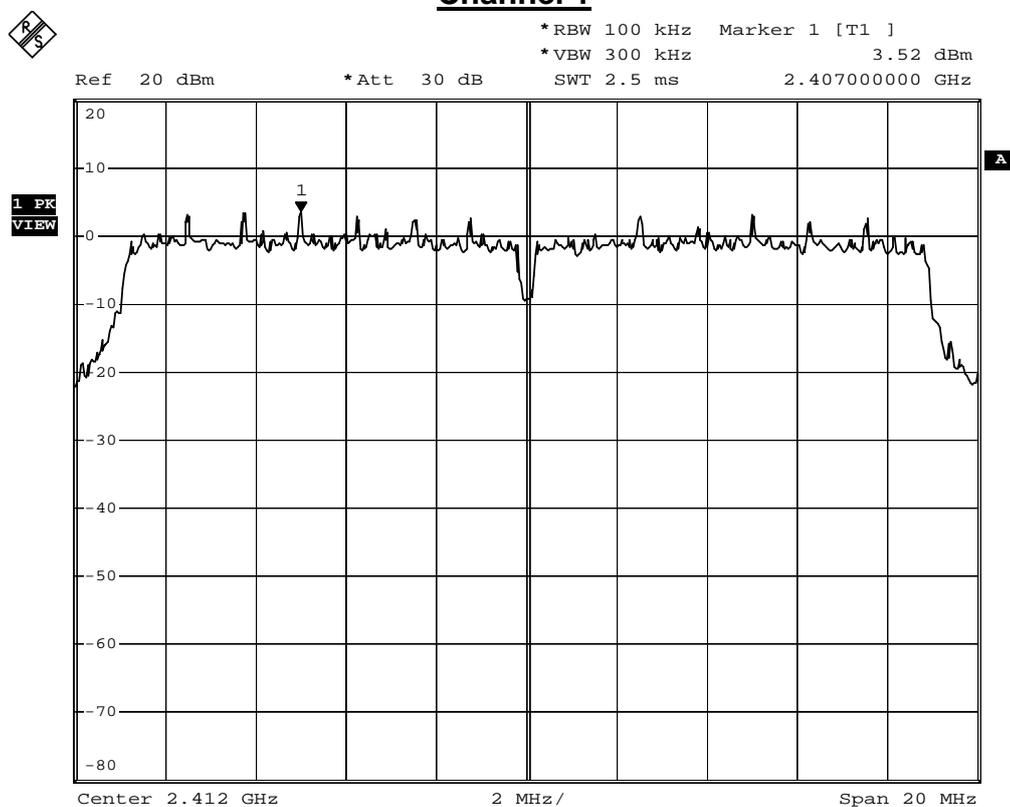
Comment: A:\2
Date: 10.MAY.2012 17:59:39

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	3.52	-11.68	≤8	Pass
6	2437	3.42	-11.78	≤8	Pass
11	2462	3.85	-11.35	≤8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 1



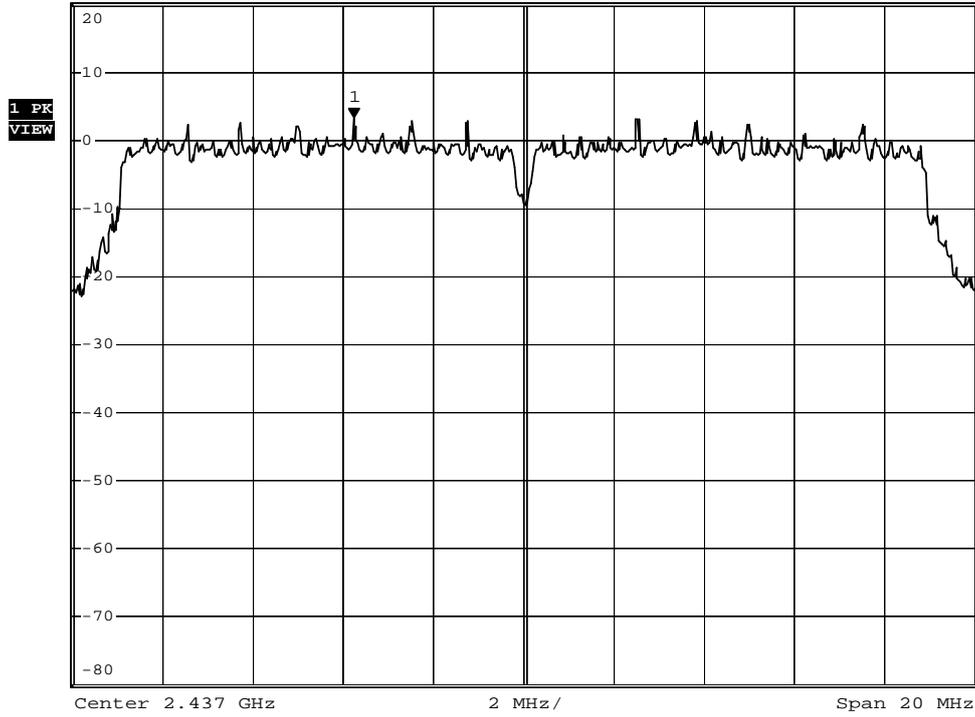
Comment: A:\2
 Date: 10.MAY.2012 18:01:50

Channel 6



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 3.42 dBm
SWT 2.5 ms 2.433240000 GHz

Ref 20 dBm *Att 30 dB



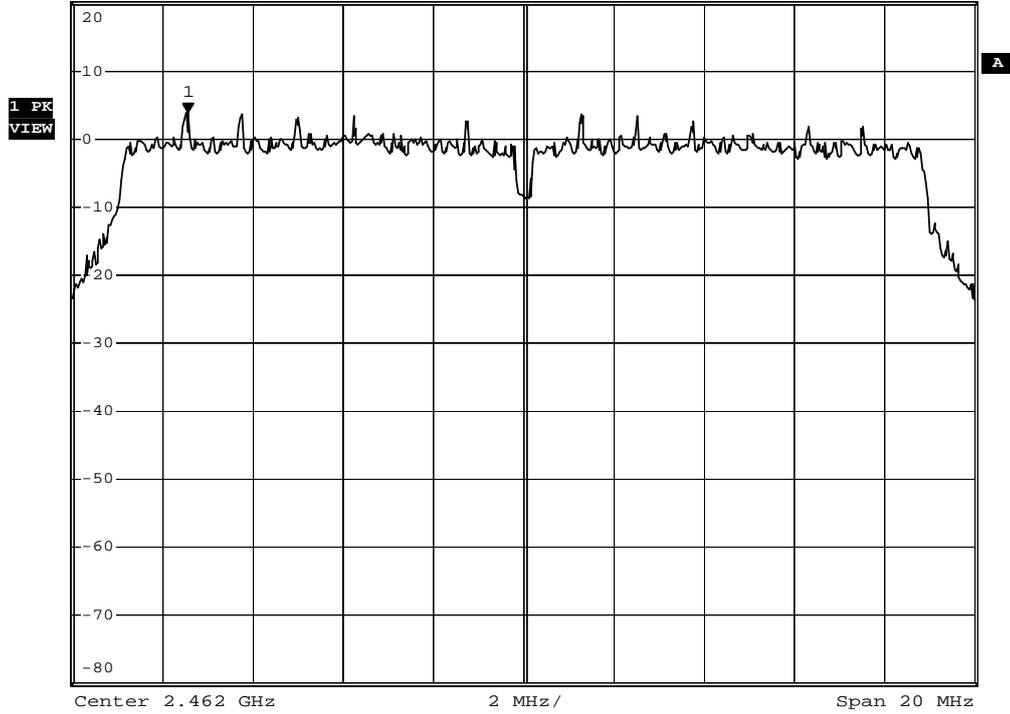
Comment: A:\2
Date: 10.MAY.2012 18:02:37

Channel 11



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 3.85 dBm
SWT 2.5 ms 2.454560000 GHz

Ref 20 dBm *Att 30 dB



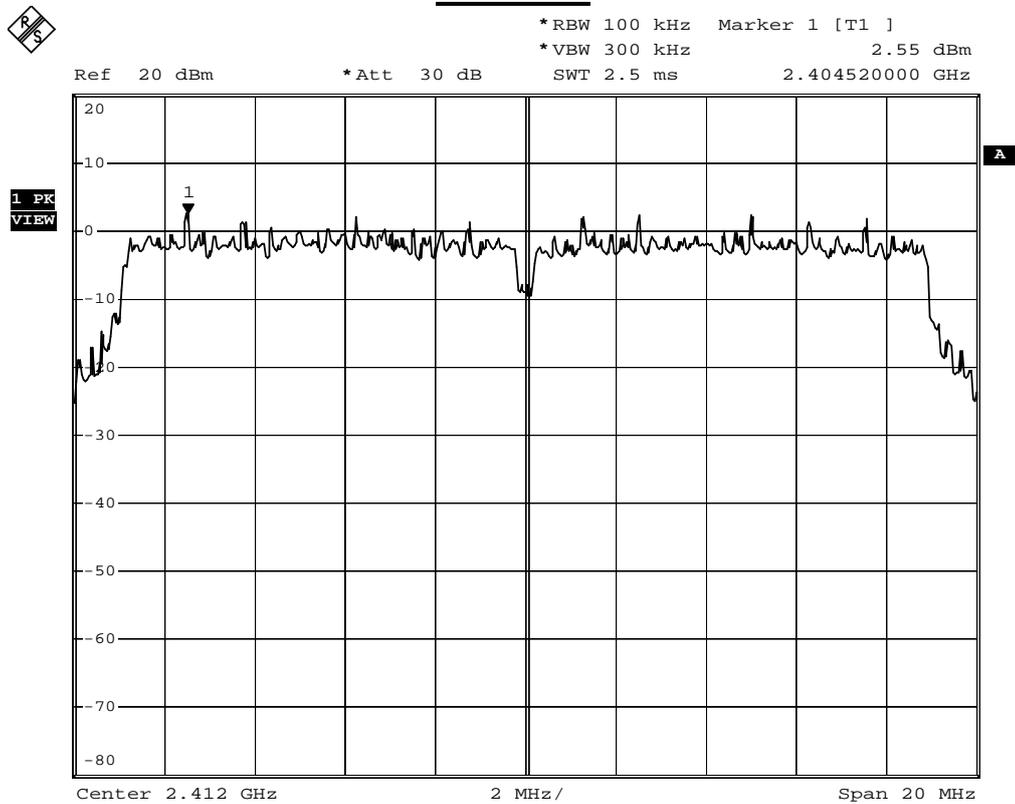
Comment: A:\2
Date: 10.MAY.2012 18:03:12

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	2.55	-12.65	≤8	Pass
6	2437	2.40	-12.8	≤8	Pass
11	2462	2.66	-12.54	≤8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 1



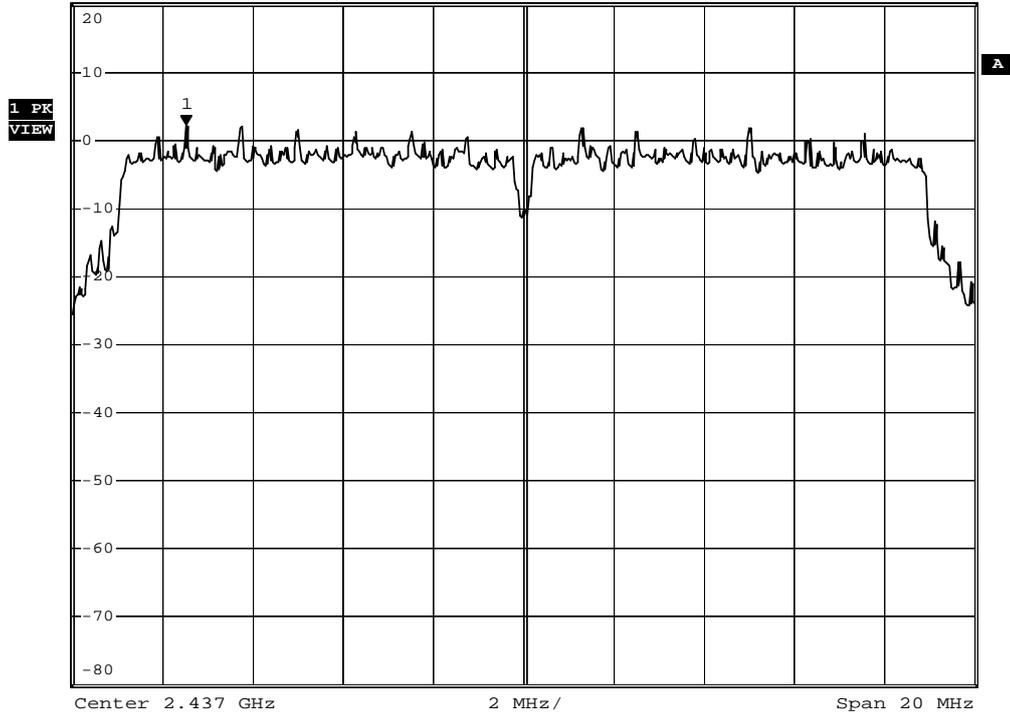
Comment: A:\2
 Date: 10.MAY.2012 18:05:58

Channel 6



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.40 dBm
SWT 2.5 ms 2.429520000 GHz

Ref 20 dBm *Att 30 dB



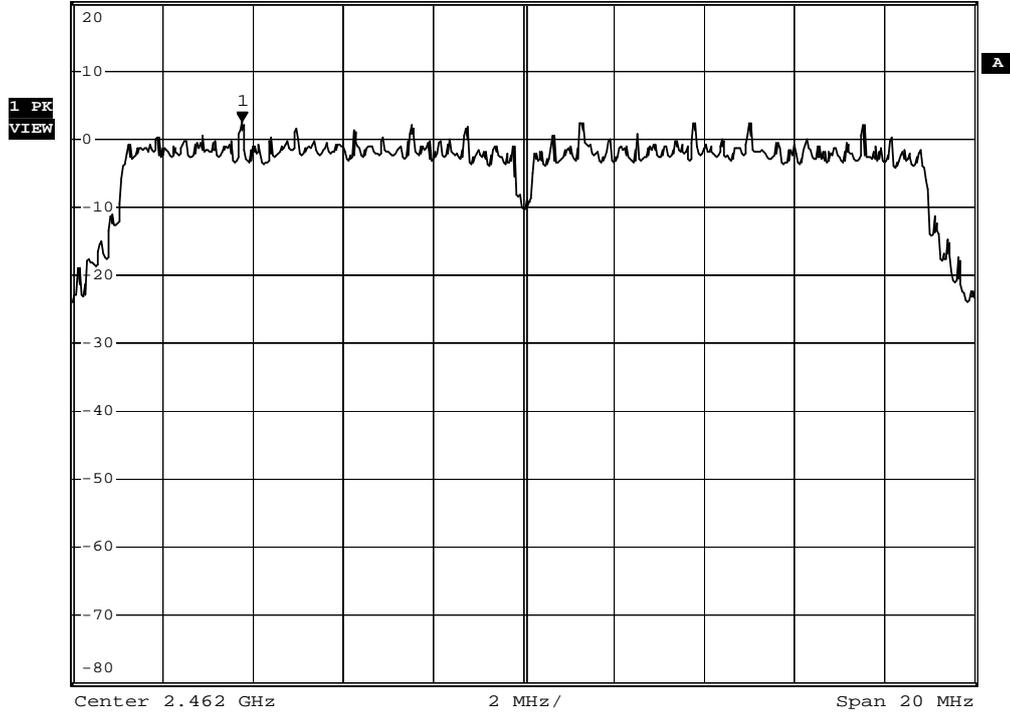
Comment: A:\2
Date: 10.MAY.2012 18:06:33

Channel 11



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.66 dBm
SWT 2.5 ms 2.455760000 GHz

Ref 20 dBm *Att 30 dB



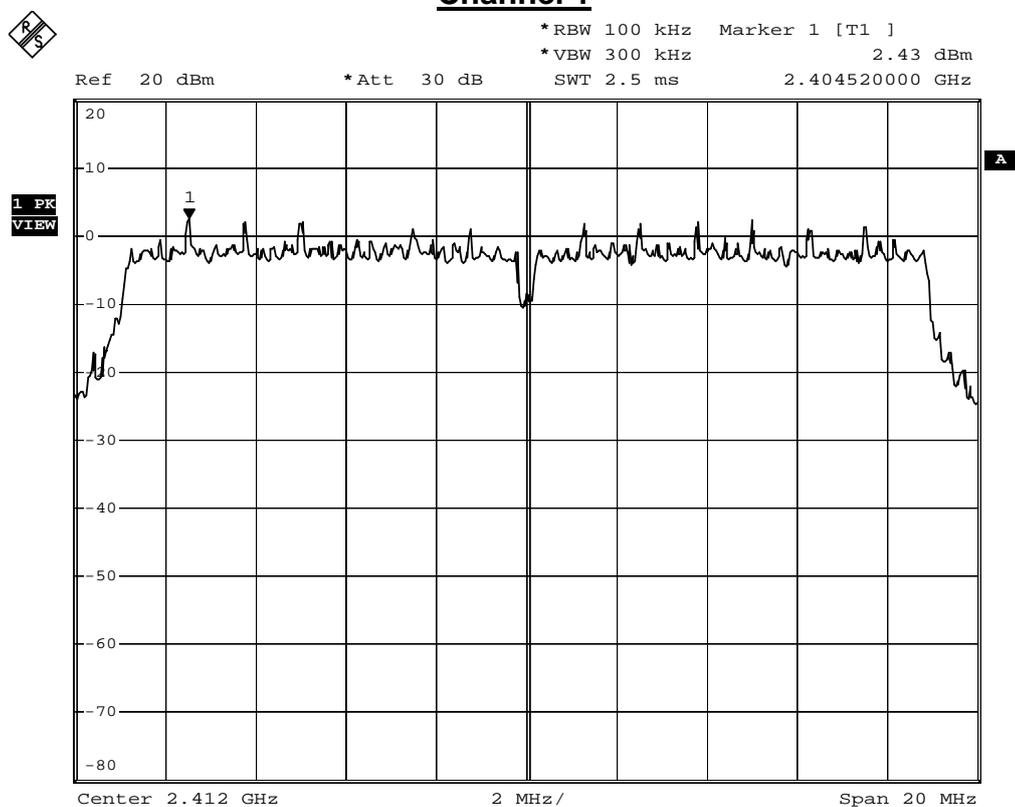
Comment: A:\2
Date: 10.MAY.2012 18:07:11

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	2.43	-12.77	≤8	Pass
6	2437	2.24	-12.96	≤8	Pass
11	2462	2.15	-13.05	≤8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 1



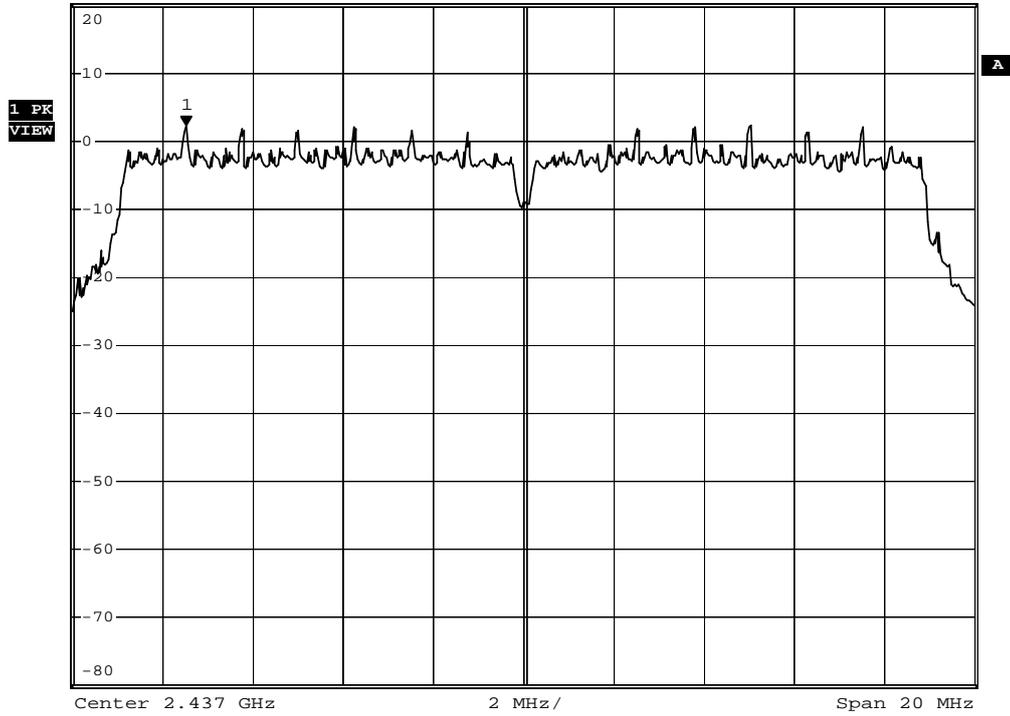
Comment: A:\2
 Date: 10.MAY.2012 18:10:04

Channel 6



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.24 dBm
SWT 2.5 ms 2.429520000 GHz

Ref 20 dBm *Att 30 dB



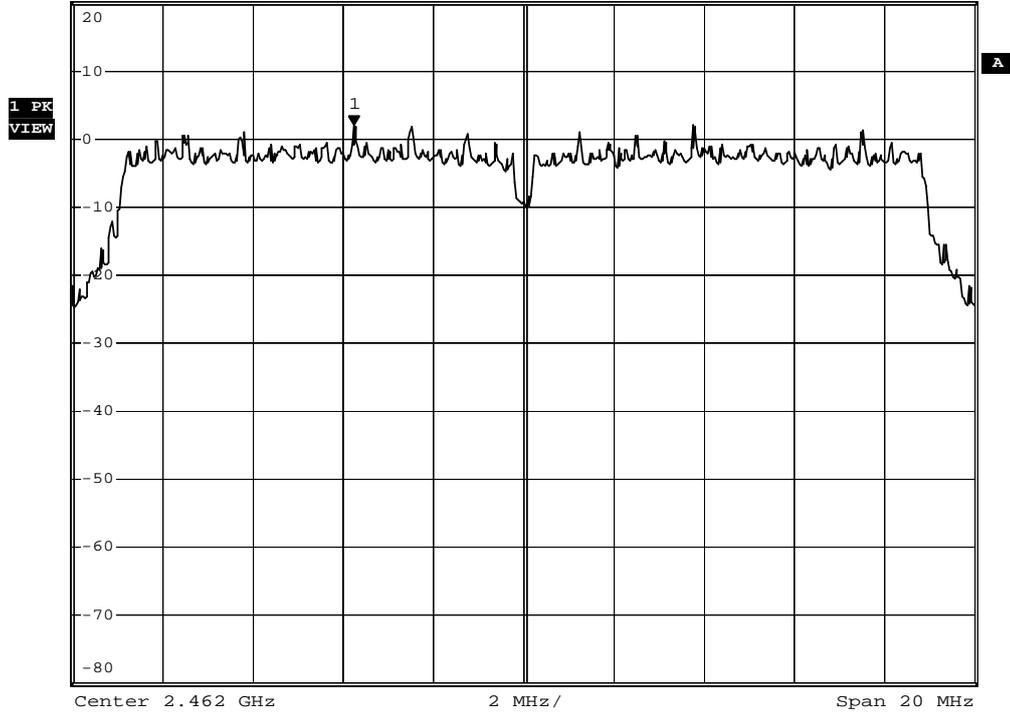
Comment: A:\2
Date: 10.MAY.2012 18:09:31

Channel 11



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.15 dBm
SWT 2.5 ms 2.458240000 GHz

Ref 20 dBm *Att 30 dB



Comment: A:\2
Date: 10.MAY.2012 18:09:02

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE802.11n 20MHz(ANT 0+1+2)

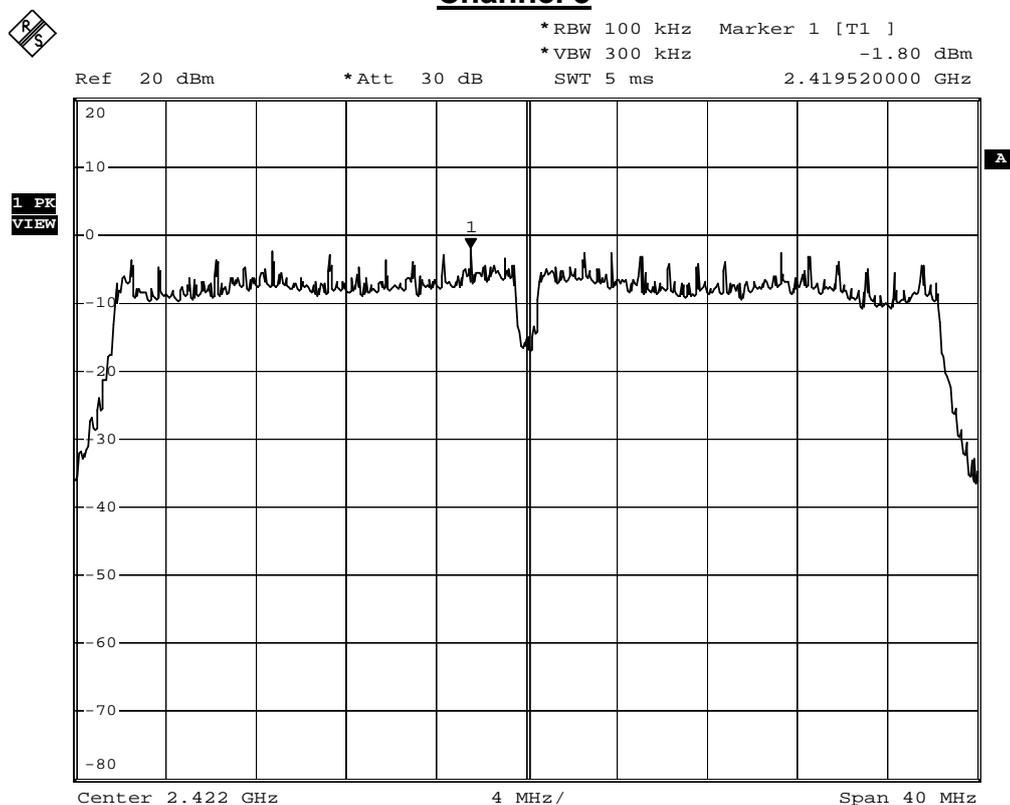
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-7.57	≤ 8	Pass
6	2437	-7.71	≤ 8	Pass
11	2462	-7.48	≤ 8	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-1.80	-17.00	≤ 8	Pass
6	2437	-1.98	-17.18	≤ 8	Pass
9	2452	-1.68	-16.88	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 3



Comment: A:\2
 Date: 10.MAY.2012 18:16:20

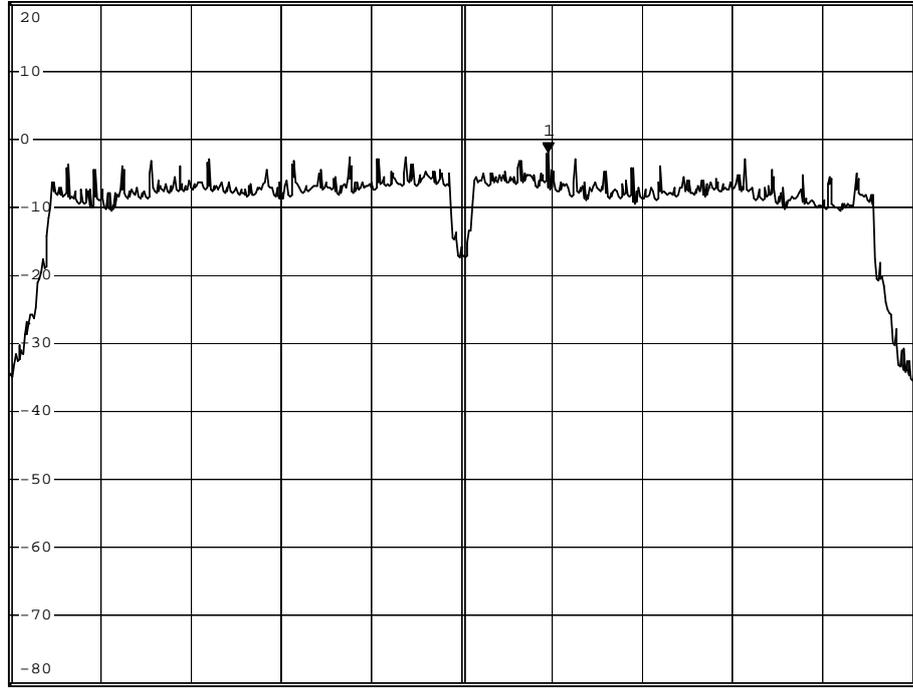
Channel 6



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -1.98 dBm
SWT 5 ms 2.440840000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



Center 2.437 GHz 4 MHz/ Span 40 MHz

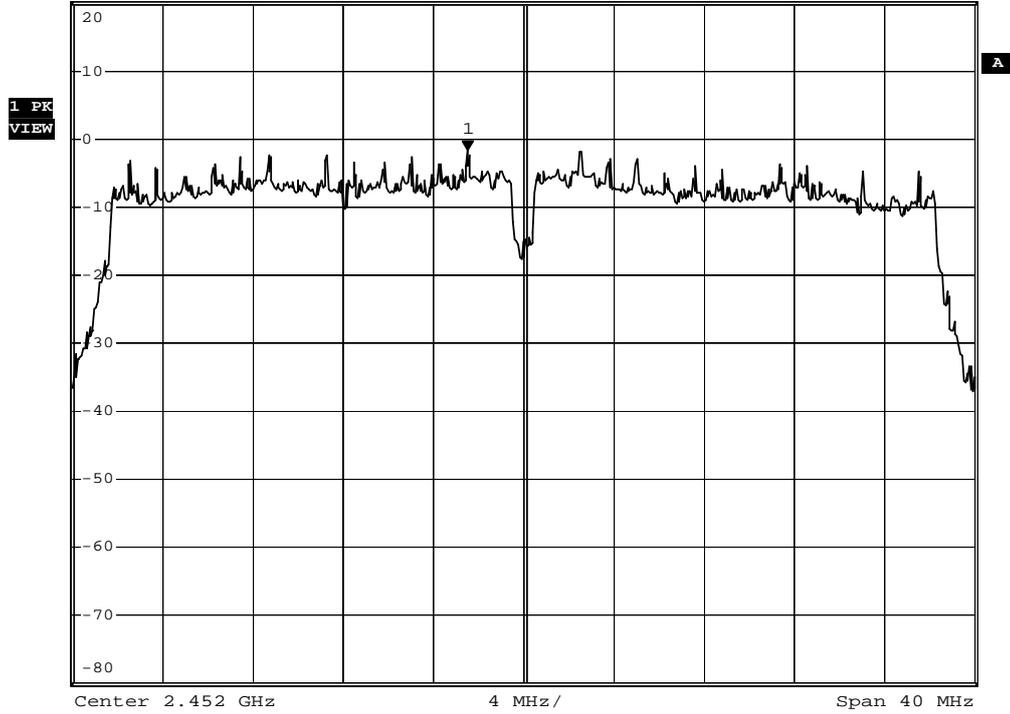
Comment: A:\2
Date: 10.MAY.2012 18:15:49

Channel 9



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -1.68 dBm
SWT 5 ms 2.449520000 GHz

Ref 20 dBm *Att 30 dB



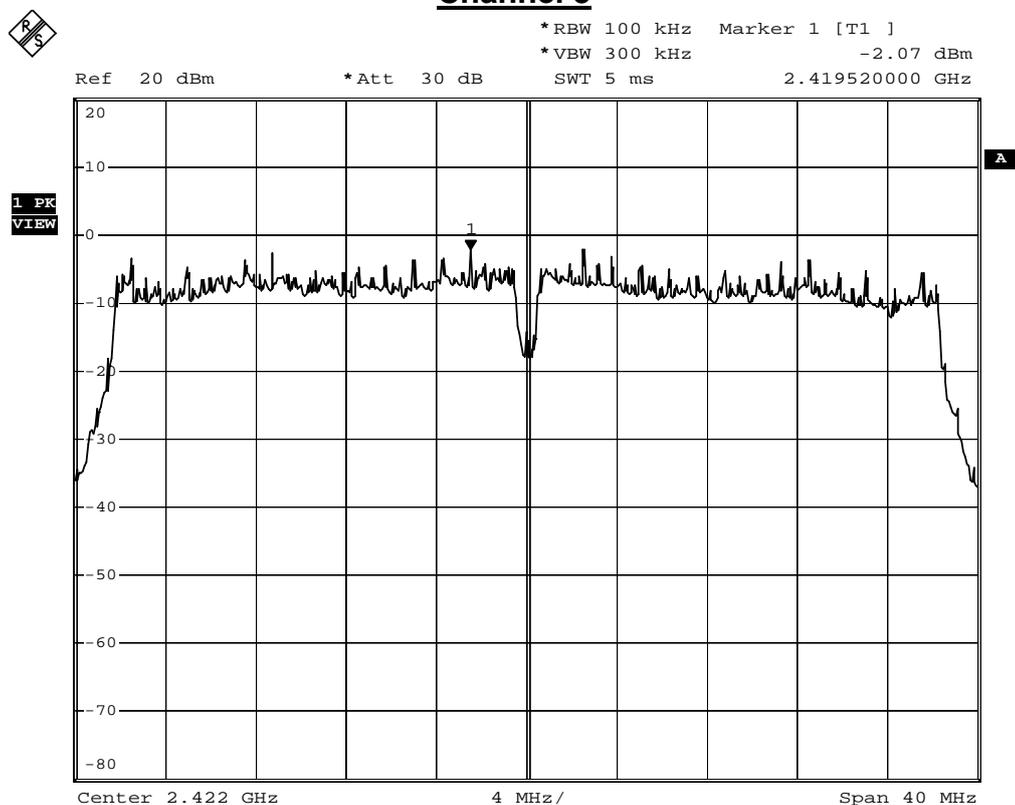
Comment: A:\2
Date: 10.MAY.2012 18:15:19

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-2.07	-17.27	≤ 8	Pass
6	2437	-2.47	-17.67	≤ 8	Pass
9	2452	-2.67	-17.87	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 3



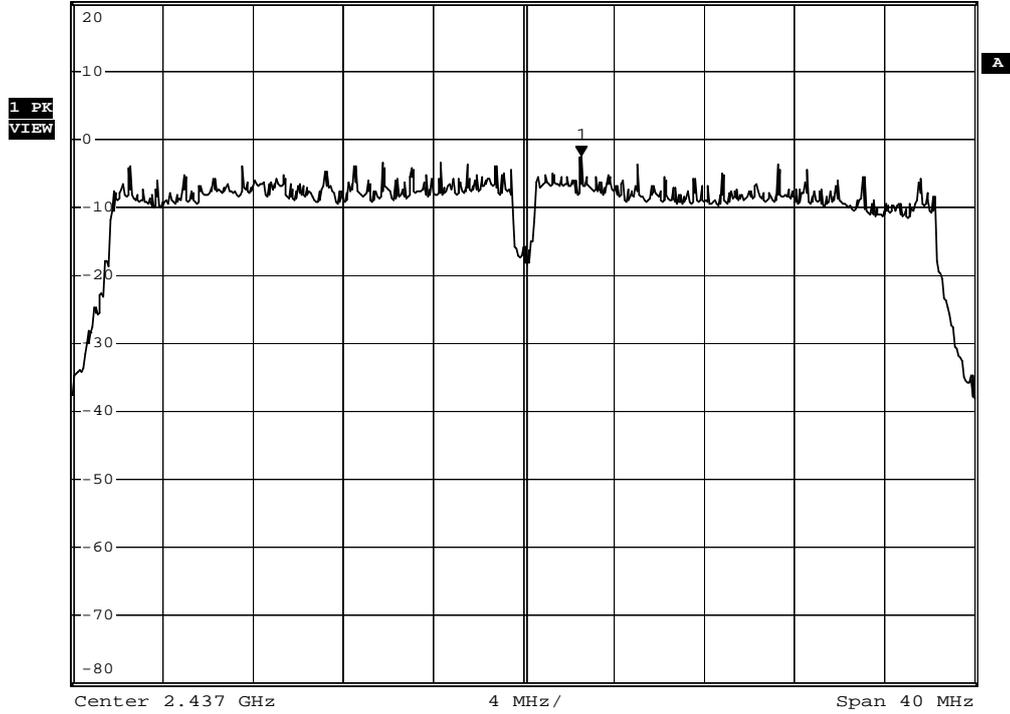
Comment: A:\2
 Date: 10.MAY.2012 18:13:21

Channel 6



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -2.47 dBm
SWT 5 ms 2.439560000 GHz

Ref 20 dBm *Att 30 dB



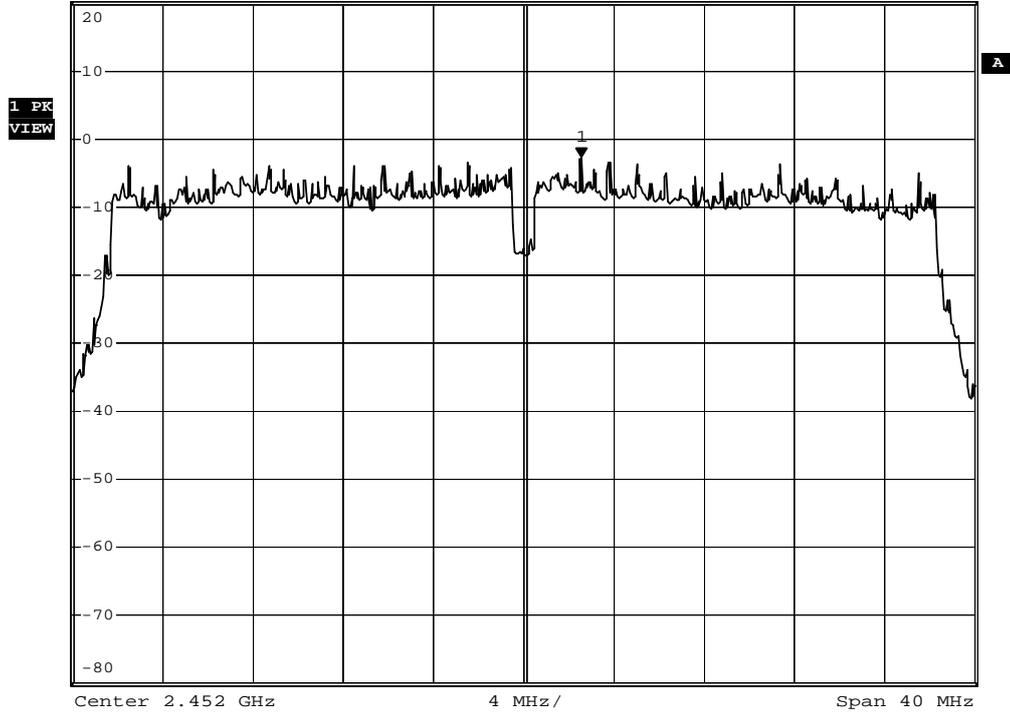
Comment: A:\2
Date: 10.MAY.2012 18:13:53

Channel 9



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -2.67 dBm
SWT 5 ms 2.454560000 GHz

Ref 20 dBm *Att 30 dB



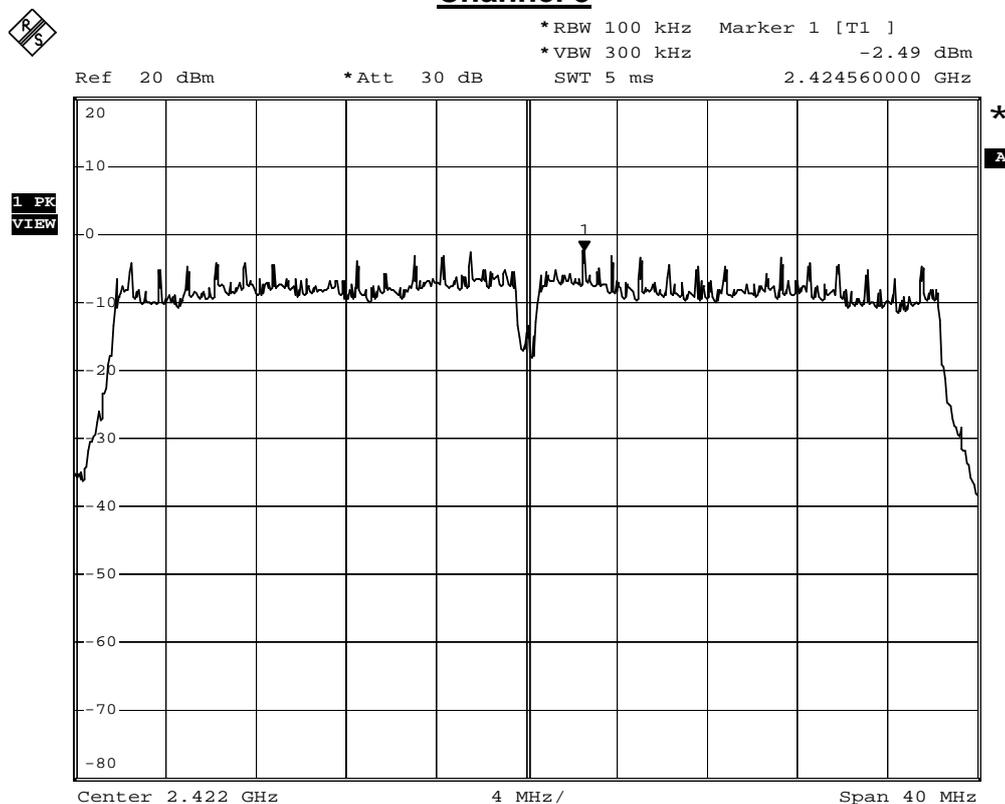
Comment: A:\2
Date: 10.MAY.2012 18:14:19

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE 802.11n_40MHz (ANT 2)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-2.49	-17.69	≤ 8	Pass
6	2437	-3.09	-18.29	≤ 8	Pass
9	2452	-1.81	-17.01	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 3



Comment: A:\2
 Date: 10.MAY.2012 18:12:06

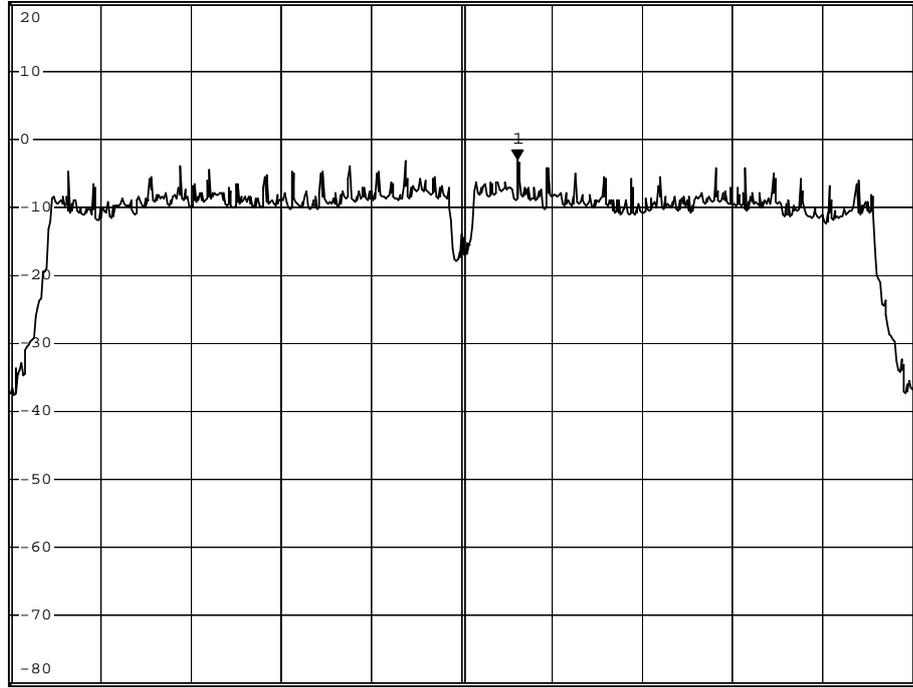
Channel 6



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -3.09 dBm
SWT 5 ms 2.439480000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



Center 2.437 GHz 4 MHz/ Span 40 MHz

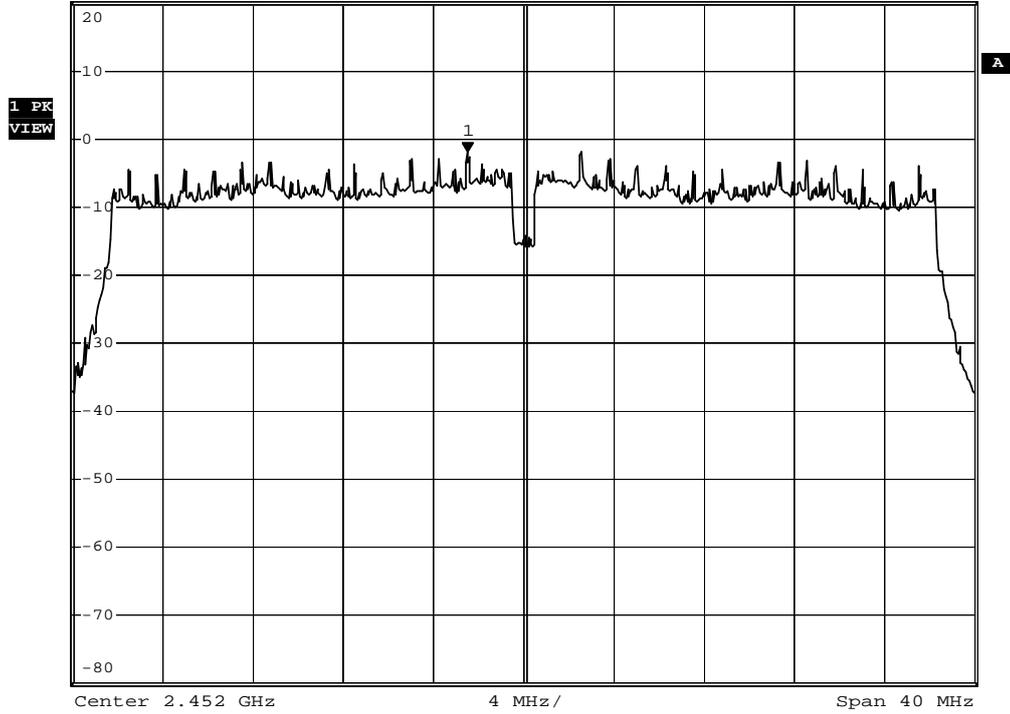
Comment: A:\2
Date: 10.MAY.2012 18:11:36

Channel 9



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -1.81 dBm
SWT 5 ms 2.449520000 GHz

Ref 20 dBm *Att 30 dB



Comment: A:\2
Date: 10.MAY.2012 18:11:02

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/10	Test Site	SR7

IEEE802.11n 40MHz(ANT 0+1+2)

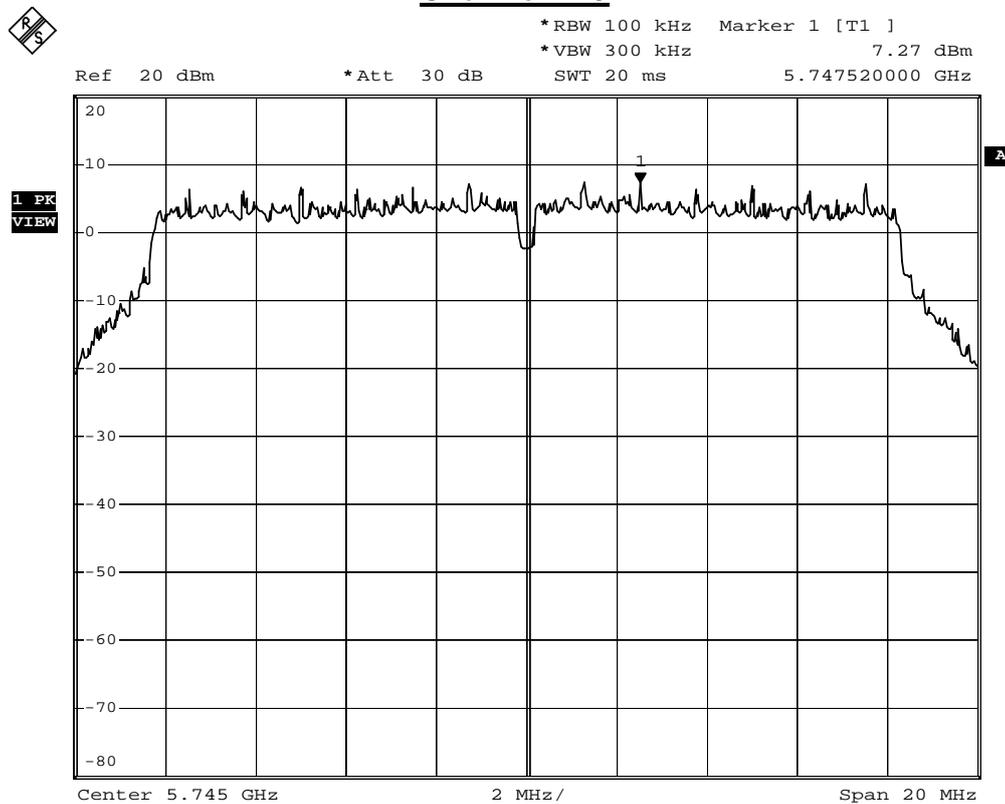
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-12.54	≤ 8	Pass
6	2437	-12.92	≤ 8	Pass
9	2452	-12.46	≤ 8	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11a					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	7.27	-7.93	≤ 8	Pass
157	5785	7.56	-7.64	≤ 8	Pass
165	5825	7.24	-7.96	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 149



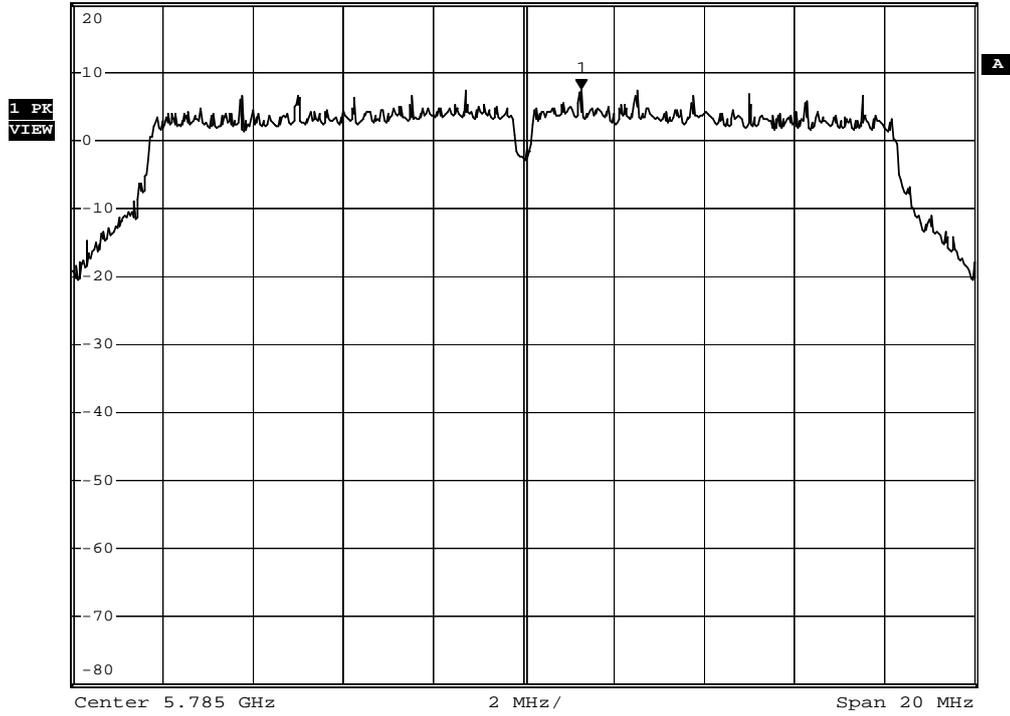
Comment: A:\2
 Date: 25.APR.2012 17:10:05

Channel 157



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 7.56 dBm
SWT 20 ms 5.786280000 GHz

Ref 20 dBm *Att 30 dB



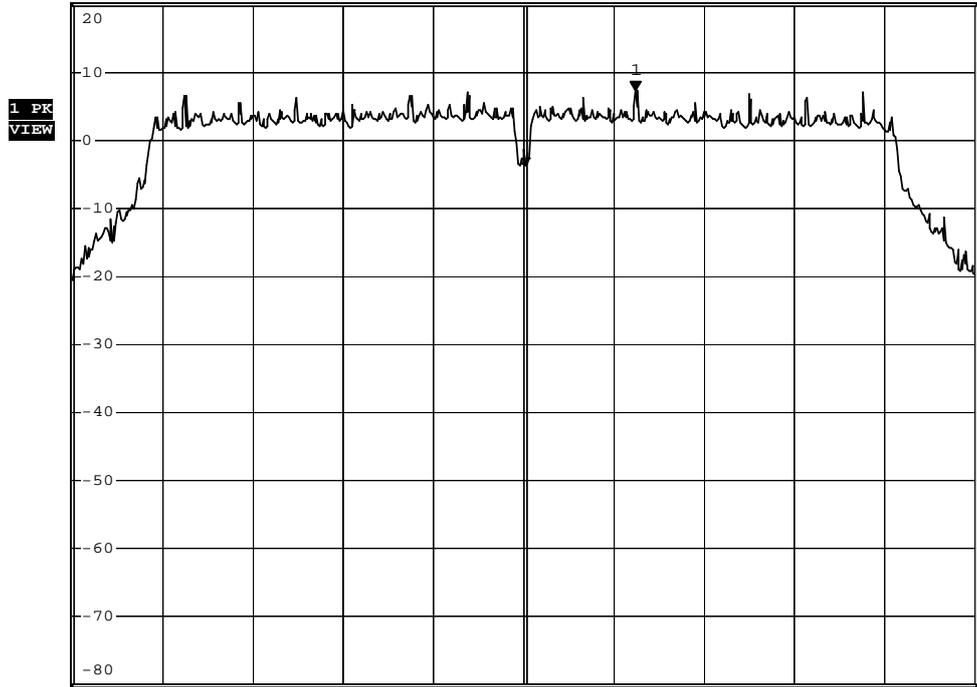
Comment: A:\2
Date: 25.APR.2012 17:10:55

Channel 165



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 7.24 dBm
SWT 20 ms 5.827480000 GHz

Ref 20 dBm *Att 30 dB



Center 5.825 GHz 2 MHz/ Span 20 MHz

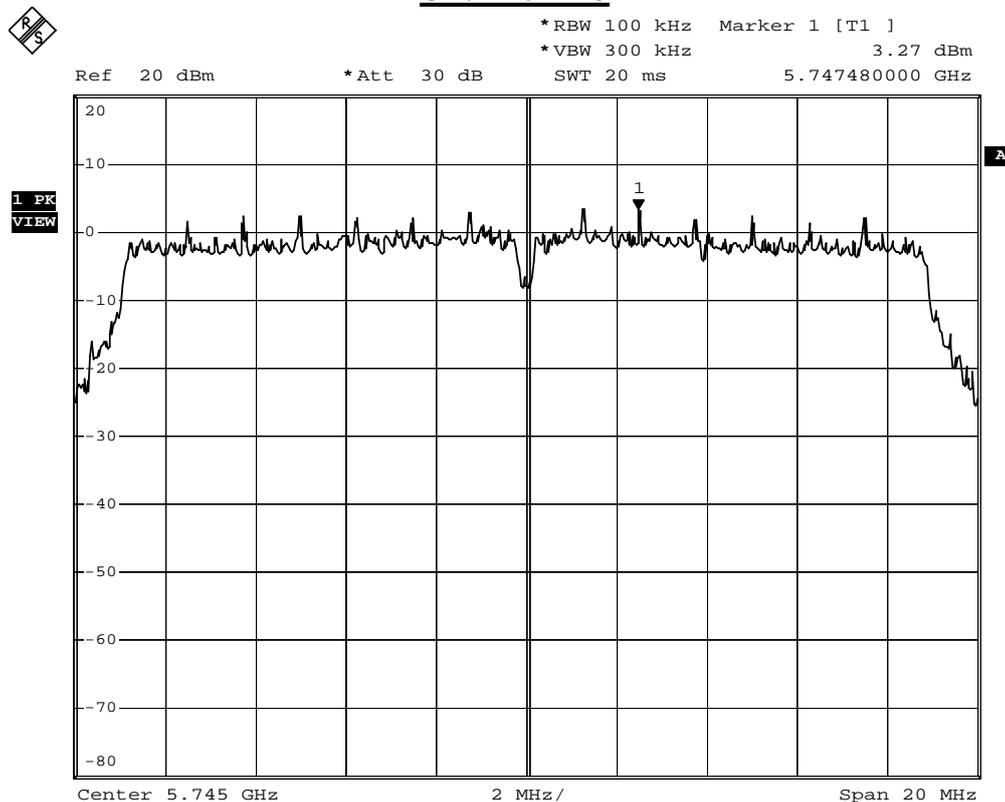
Comment: A:\2
Date: 25.APR.2012 17:11:23

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	3.27	-11.93	≤ 8	Pass
157	5785	2.64	-12.56	≤ 8	Pass
165	5825	2.87	-12.33	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 149



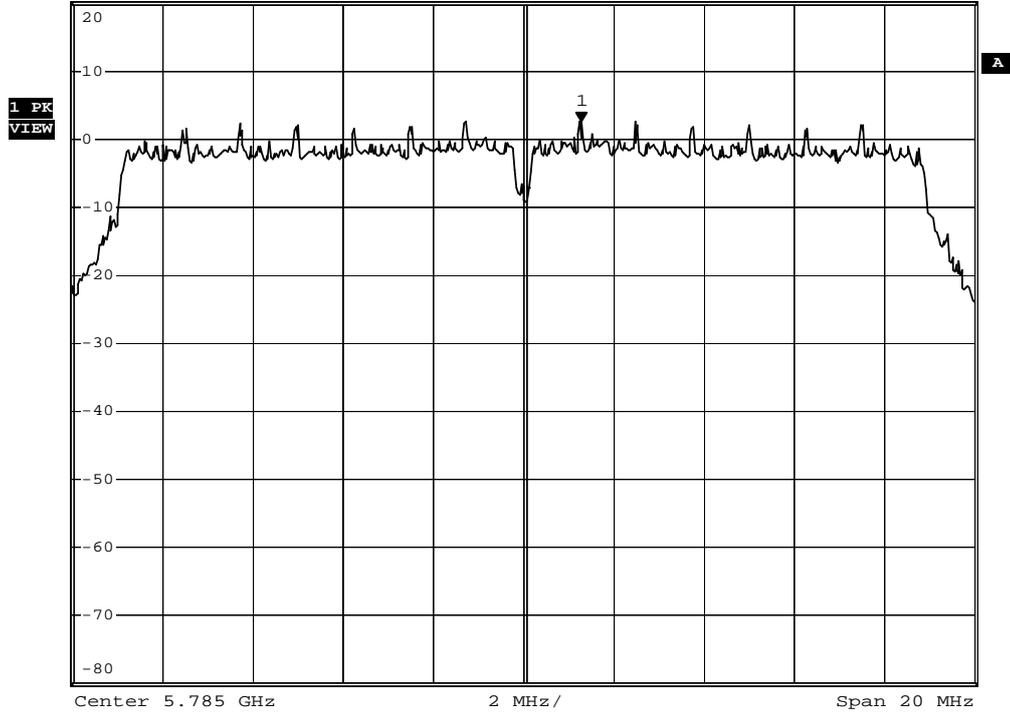
Comment: A:\2
 Date: 25.APR.2012 17:18:16

Channel 157



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.64 dBm
SWT 20 ms 5.786280000 GHz

Ref 20 dBm *Att 30 dB



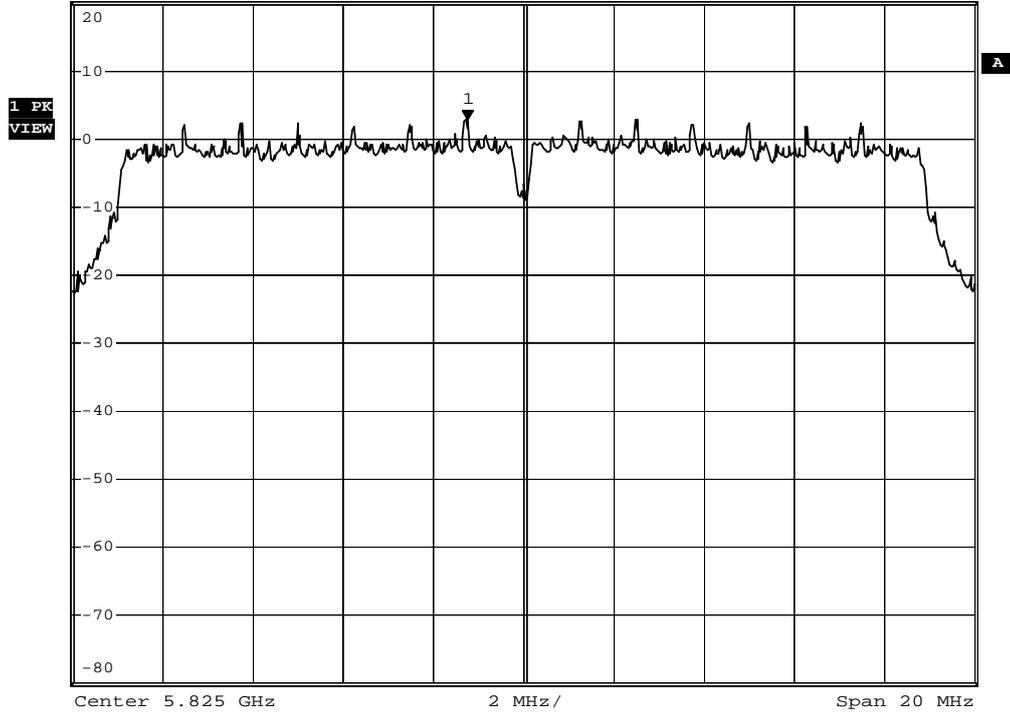
Comment: A:\2
Date: 25.APR.2012 17:17:28

Channel 165



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.87 dBm
SWT 20 ms 5.823760000 GHz

Ref 20 dBm *Att 30 dB



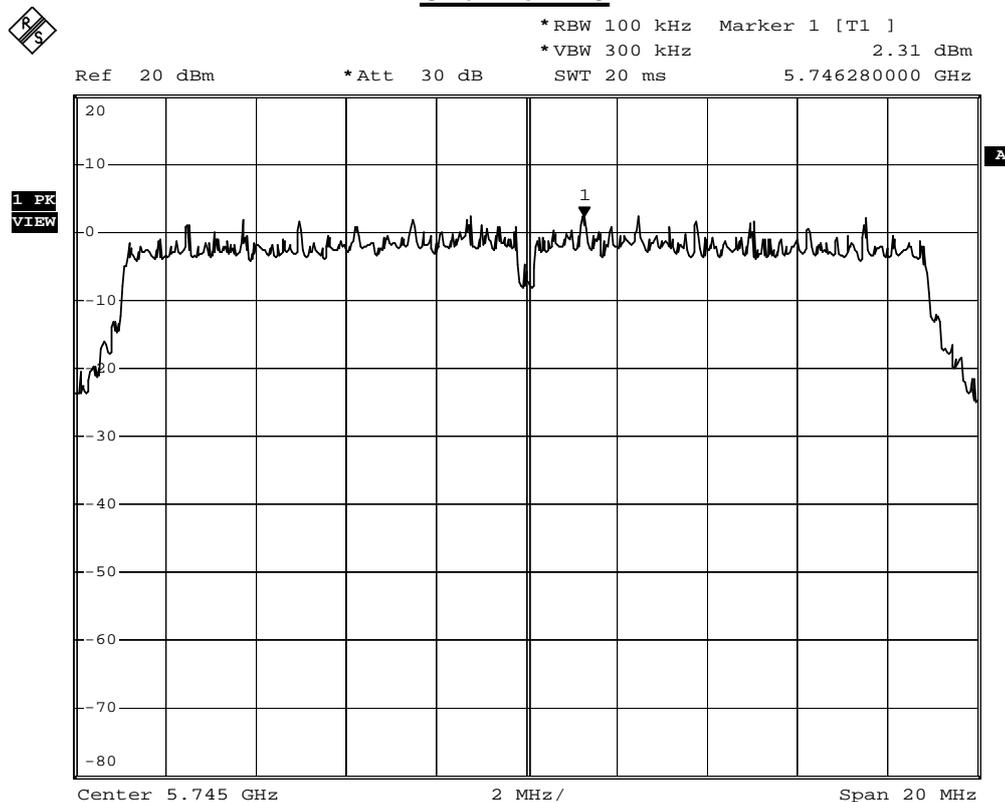
Comment: A:\2
Date: 25.APR.2012 17:16:24

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	2.31	-12.89	≤ 8	Pass
157	5785	2.47	-12.73	≤ 8	Pass
165	5825	2.34	-12.86	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 149



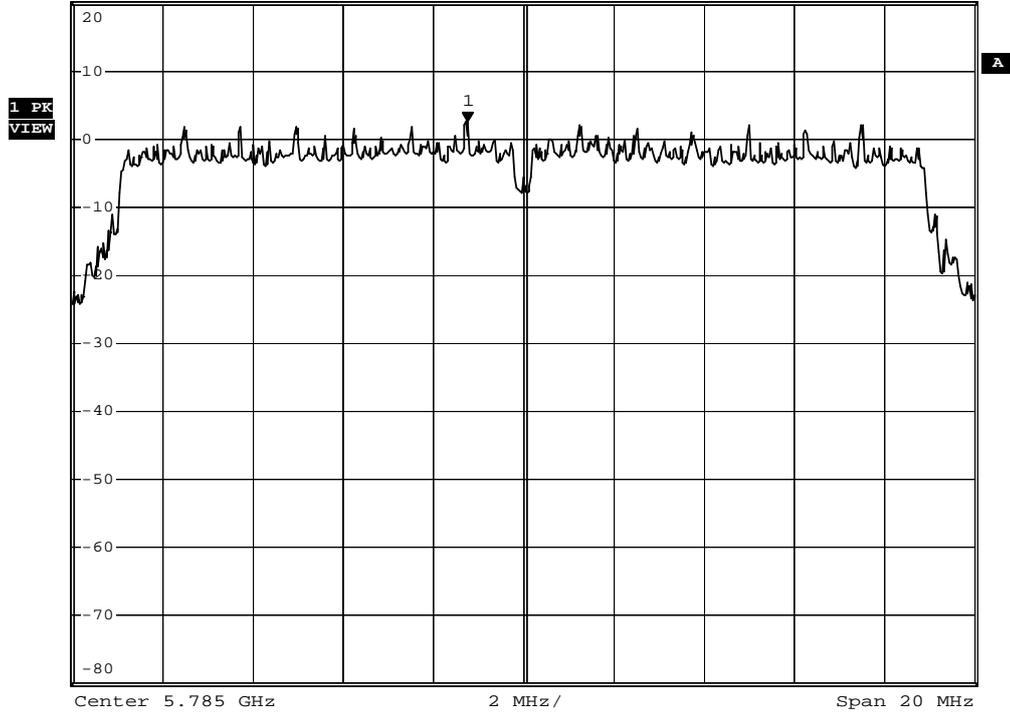
Comment: A:\2
 Date: 25.APR.2012 17:21:22

Channel 157



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.47 dBm
SWT 20 ms 5.783760000 GHz

Ref 20 dBm *Att 30 dB



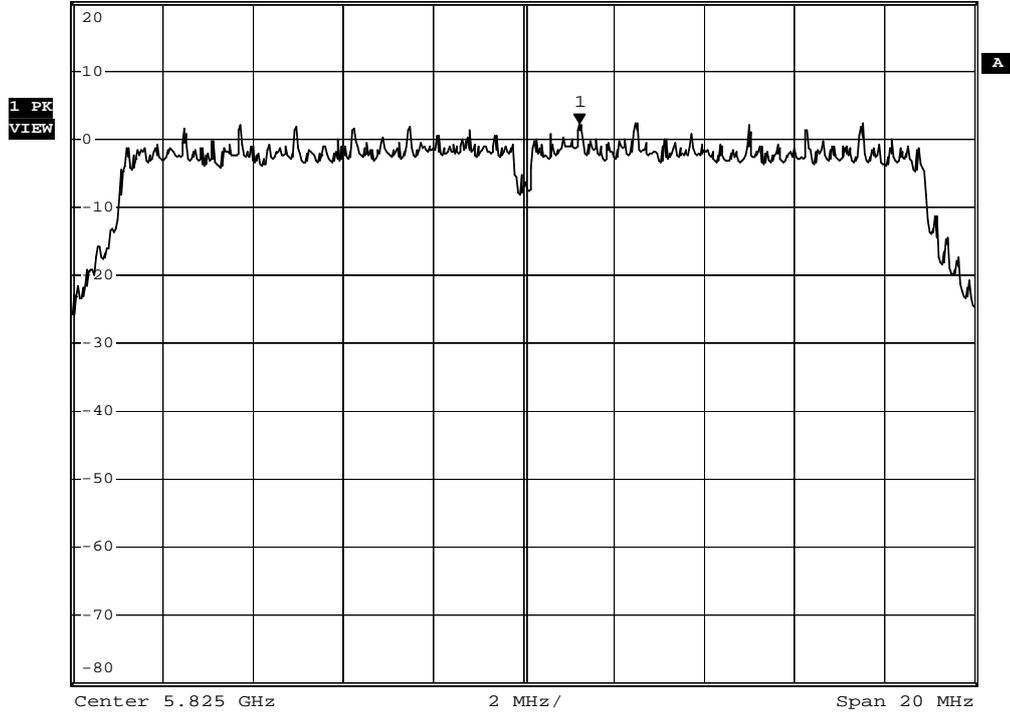
Comment: A:\2
Date: 25.APR.2012 17:21:50

Channel 165



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.34 dBm
SWT 20 ms 5.826240000 GHz

Ref 20 dBm *Att 30 dB



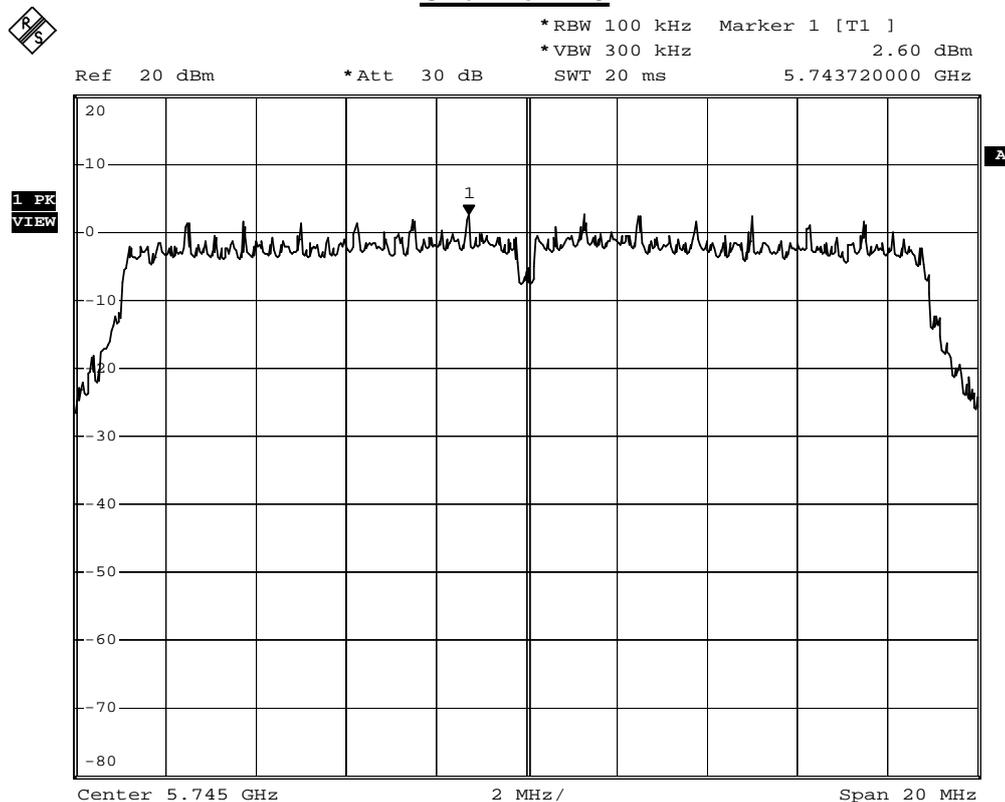
Comment: A:\2
Date: 25.APR.2012 17:22:32

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	2.60	-12.60	≤ 8	Pass
157	5785	2.45	-12.75	≤ 8	Pass
165	5825	2.26	-12.94	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 149



Comment: A:\2
 Date: 25.APR.2012 17:26:08

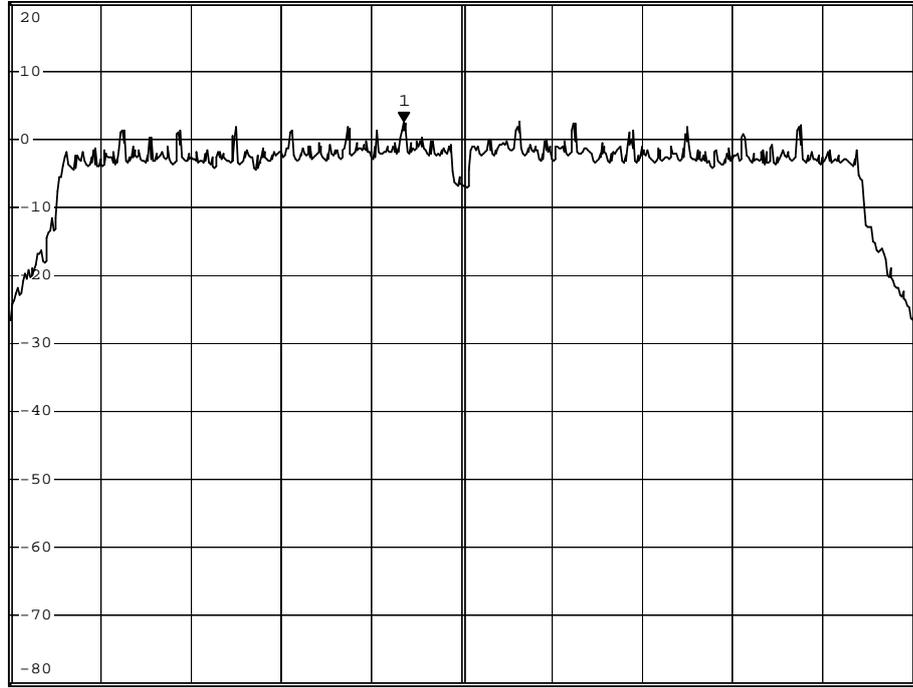
Channel 157



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.45 dBm
SWT 20 ms 5.783720000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



Center 5.785 GHz 2 MHz/ Span 20 MHz

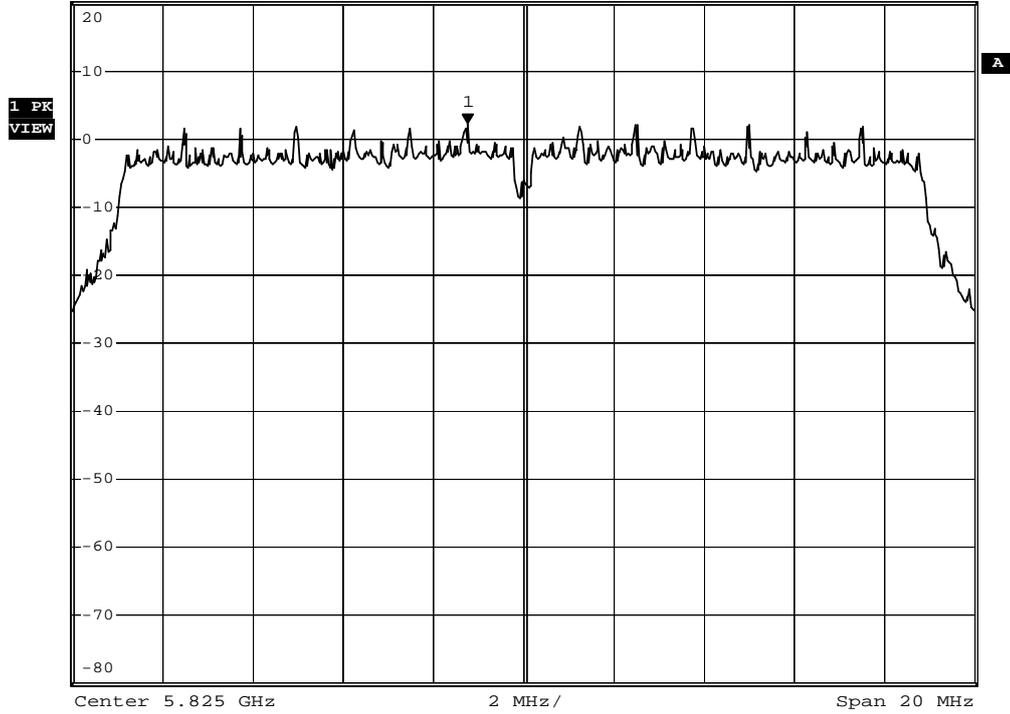
Comment: A:\2
Date: 25.APR.2012 17:25:24

Channel 165



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.26 dBm
SWT 20 ms 5.823760000 GHz

Ref 20 dBm *Att 30 dB



Comment: A:\2
Date: 25.APR.2012 17:24:32

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE802.11n 20MHz(ANT 0+1+2)

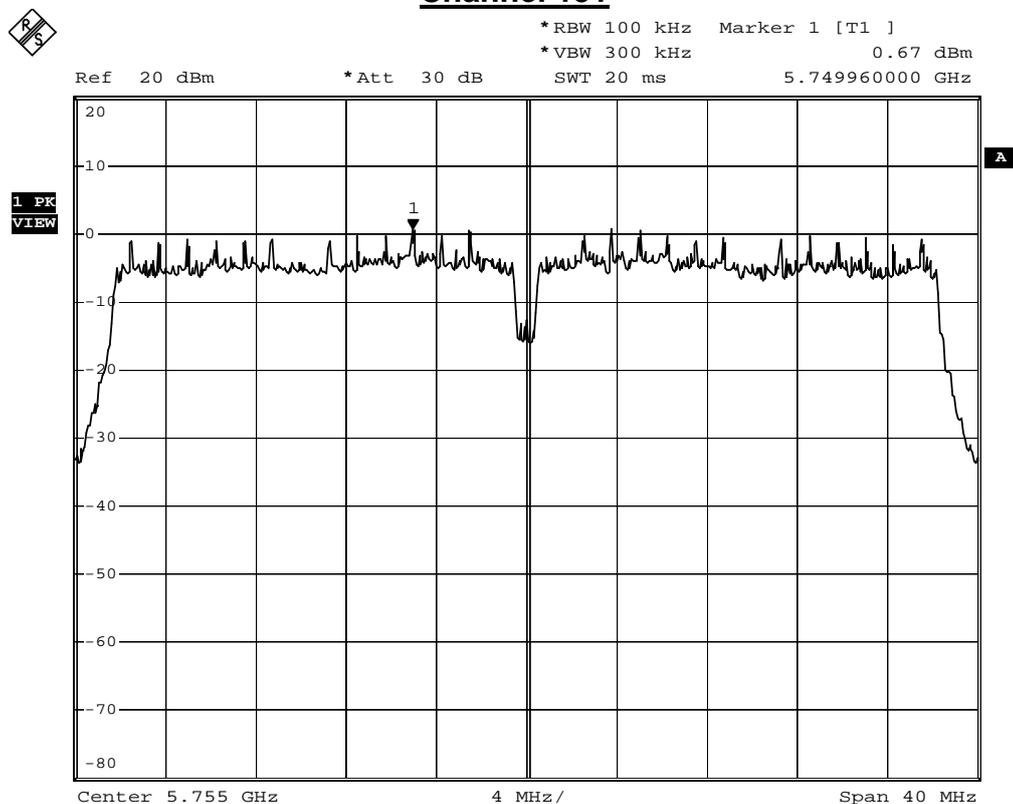
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-7.68	≤ 8	Pass
157	5785	-7.91	≤ 8	Pass
165	5825	-7.93	≤ 8	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	0.67	-14.53	≤ 8	Pass
159	5795	0.94	-14.26	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 151



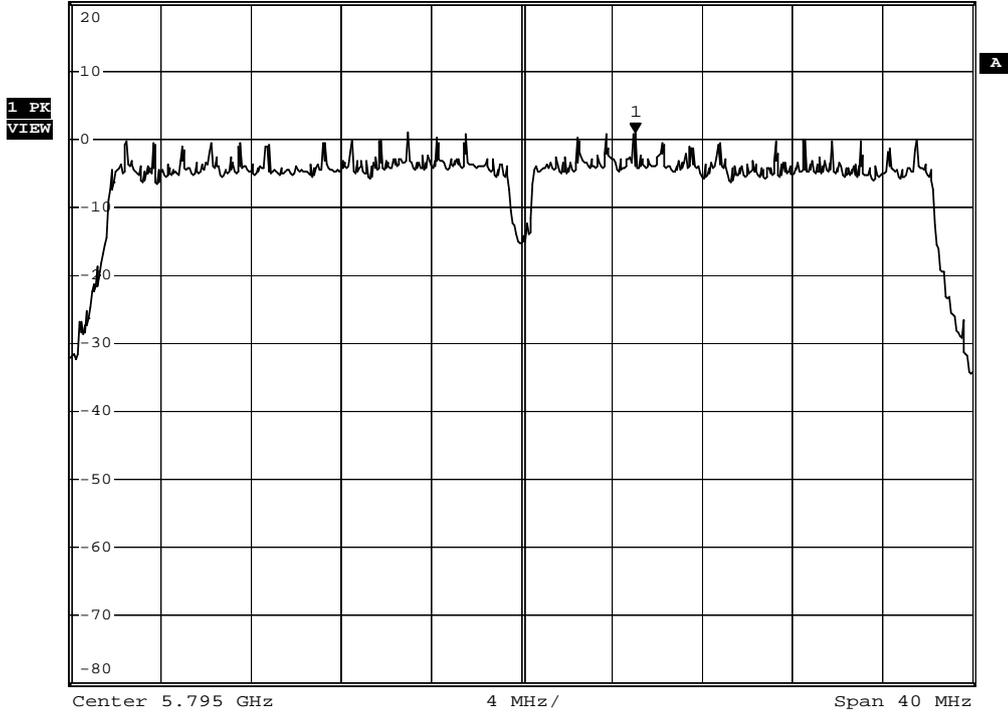
Comment: A:\2
 Date: 25.APR.2012 17:30:13

Channel 159



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 0.94 dBm
SWT 20 ms 5.800040000 GHz

Ref 20 dBm *Att 30 dB



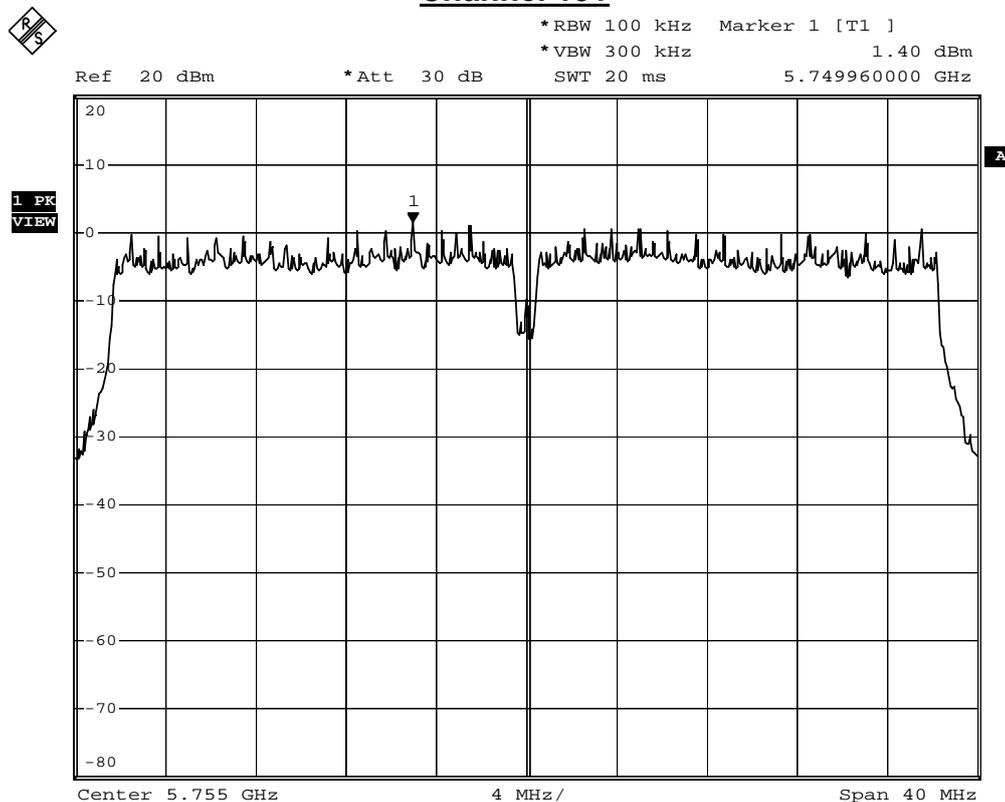
Comment: A:\2
Date: 25.APR.2012 17:30:43

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	1.40	-13.80	≤ 8	Pass
159	5795	1.19	-14.01	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 151



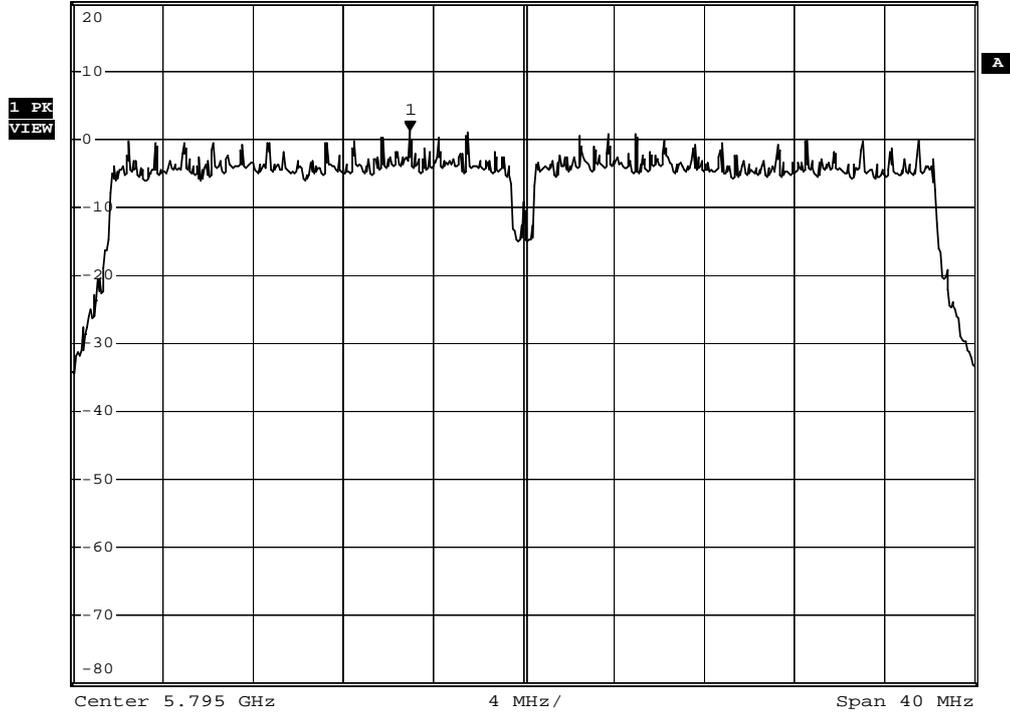
Comment: A:\2
 Date: 25.APR.2012 17:29:14

Channel 159



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 1.19 dBm
SWT 20 ms 5.789960000 GHz

Ref 20 dBm *Att 30 dB



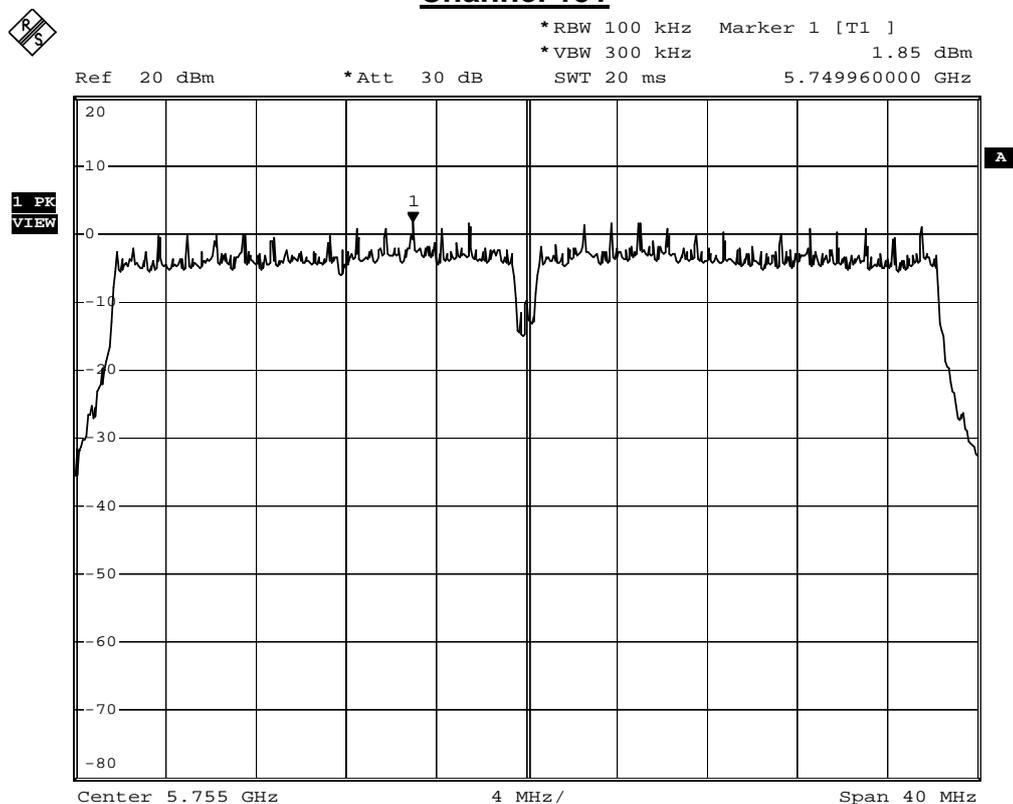
Comment: A:\2
Date: 25.APR.2012 17:28:45

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11n_40MHz (ANT 2)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	1.85	-13.35	≤ 8	Pass
159	5795	2.07	-13.13	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 151

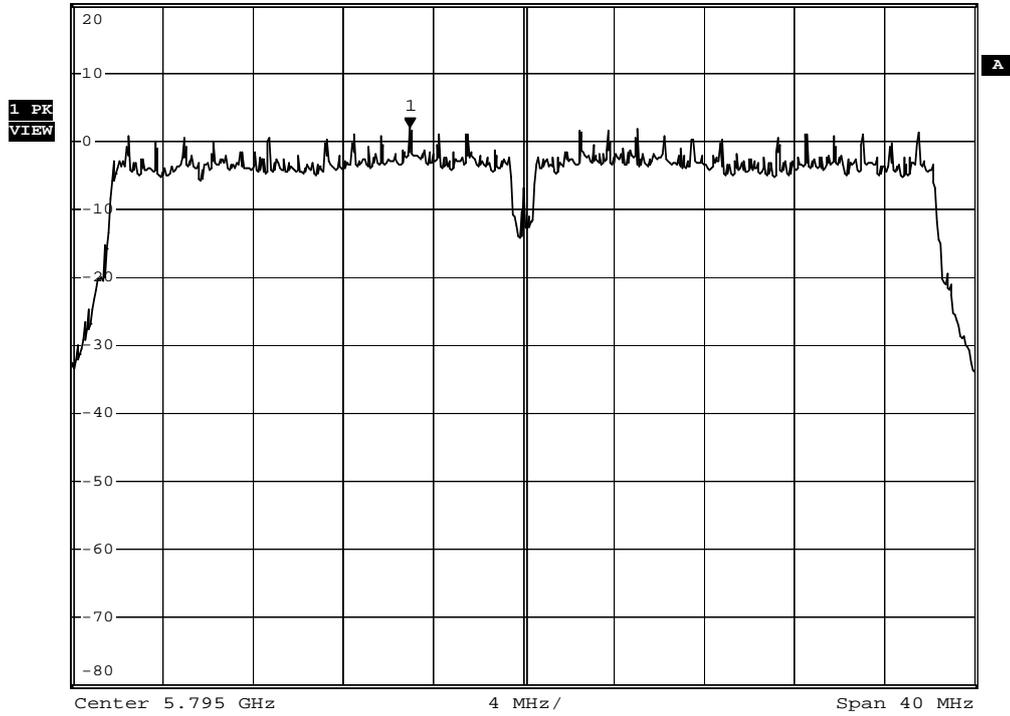


Comment: A:\2
 Date: 25.APR.2012 17:27:03

Channel 159



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.07 dBm
Ref 20 dBm *Att 30 dB SWT 20 ms 5.789960000 GHz



Comment: A:\2
Date: 25.APR.2012 17:27:51

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE802.11n 40MHz(ANT 0+1+2)

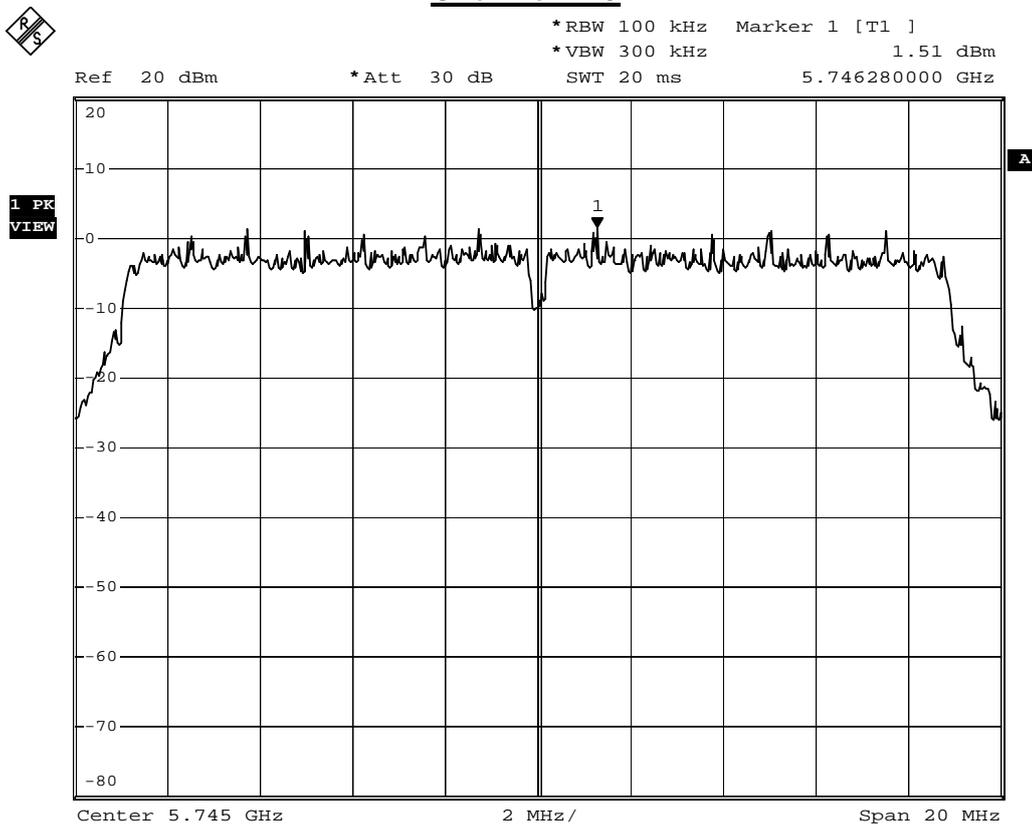
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-9.10	≤ 8	Pass
159	5795	-9.00	≤ 8	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE802.11ac_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	1.51	-13.69	≤ 8	Pass
157	5785	1.88	-13.32	≤ 8	Pass
165	5825	0.84	-14.36	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 149



Date: 18.MAY.2012 21:55:58

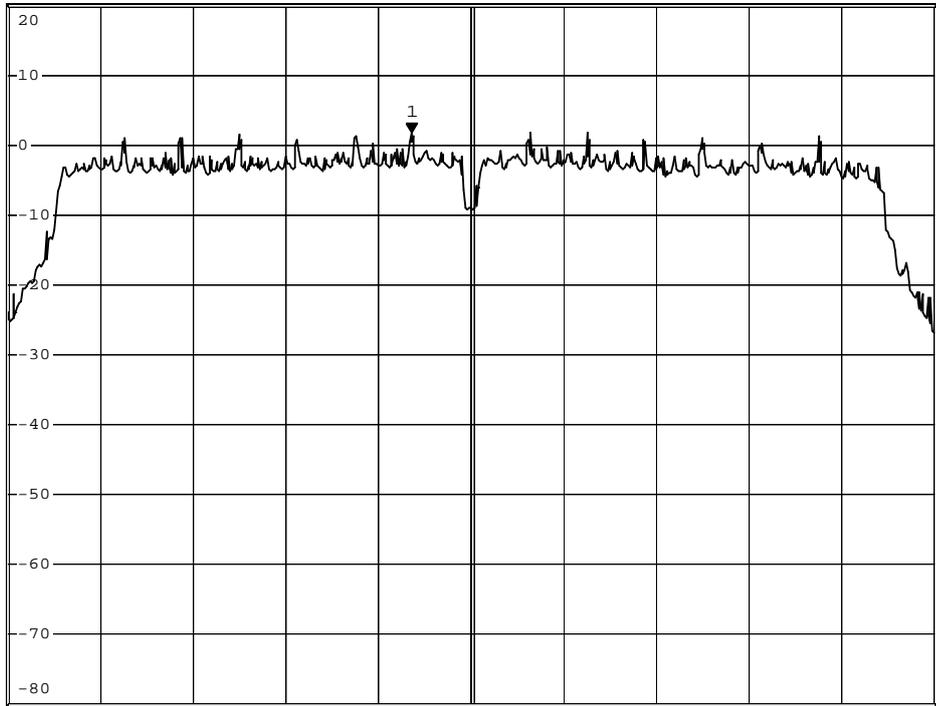
Channel 157



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 1.88 dBm
SWT 20 ms 5.783720000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



Center 5.785 GHz 2 MHz/ Span 20 MHz

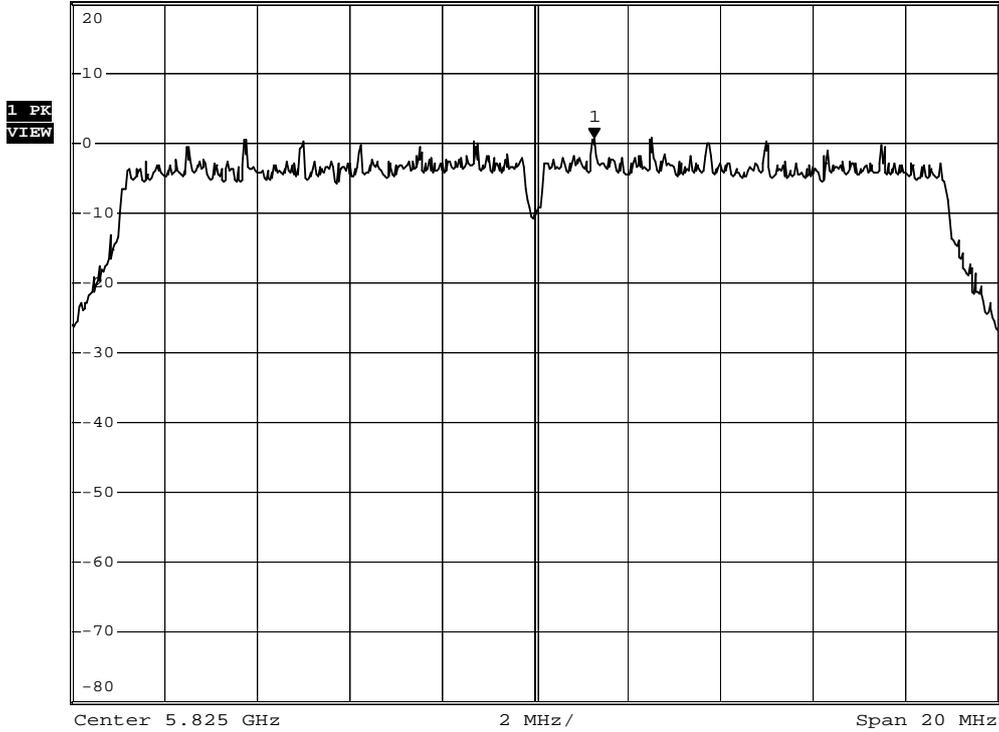
Date: 18.MAY.2012 21:56:27

Channel 165



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 0.84 dBm
SWT 20 ms 5.826280000 GHz

Ref 20 dBm *Att 30 dB



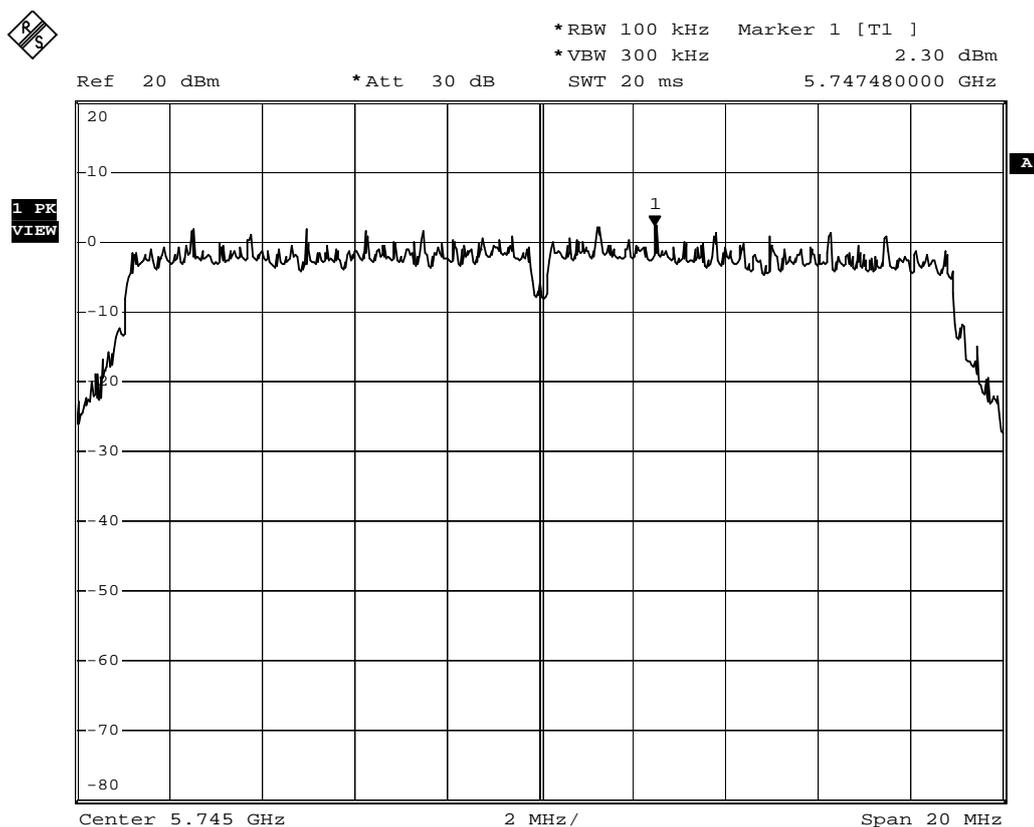
Date: 18.MAY.2012 21:56:53

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE802.11ac_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	2.30	-12.90	≤ 8	Pass
157	5785	2.40	-12.80	≤ 8	Pass
165	5825	2.00	-13.20	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 149



Date: 18.MAY.2012 21:55:16

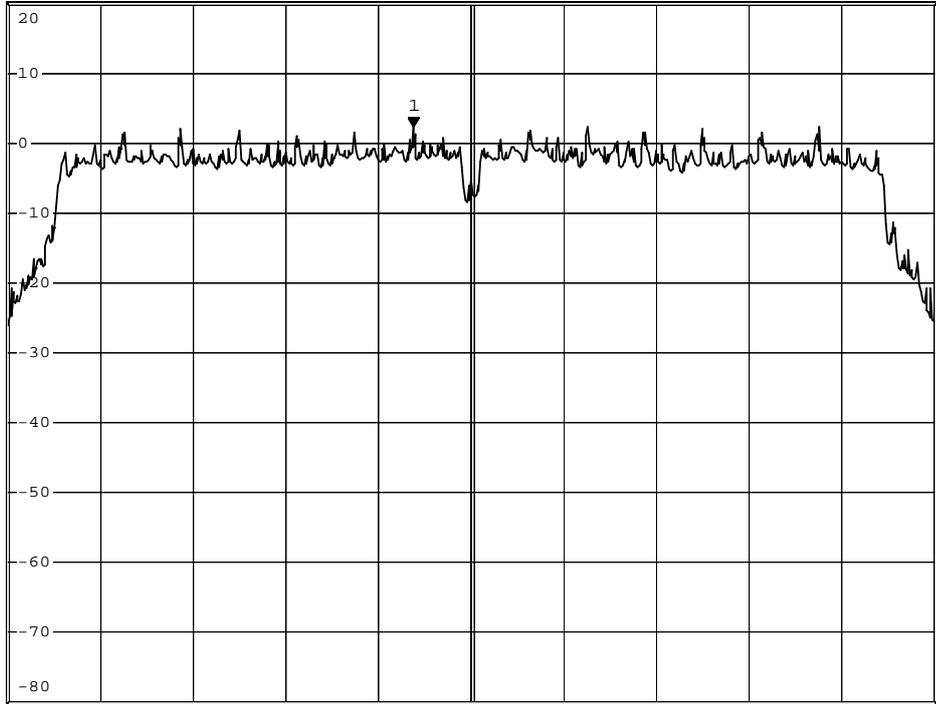
Channel 157



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.40 dBm
SWT 20 ms 5.783760000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



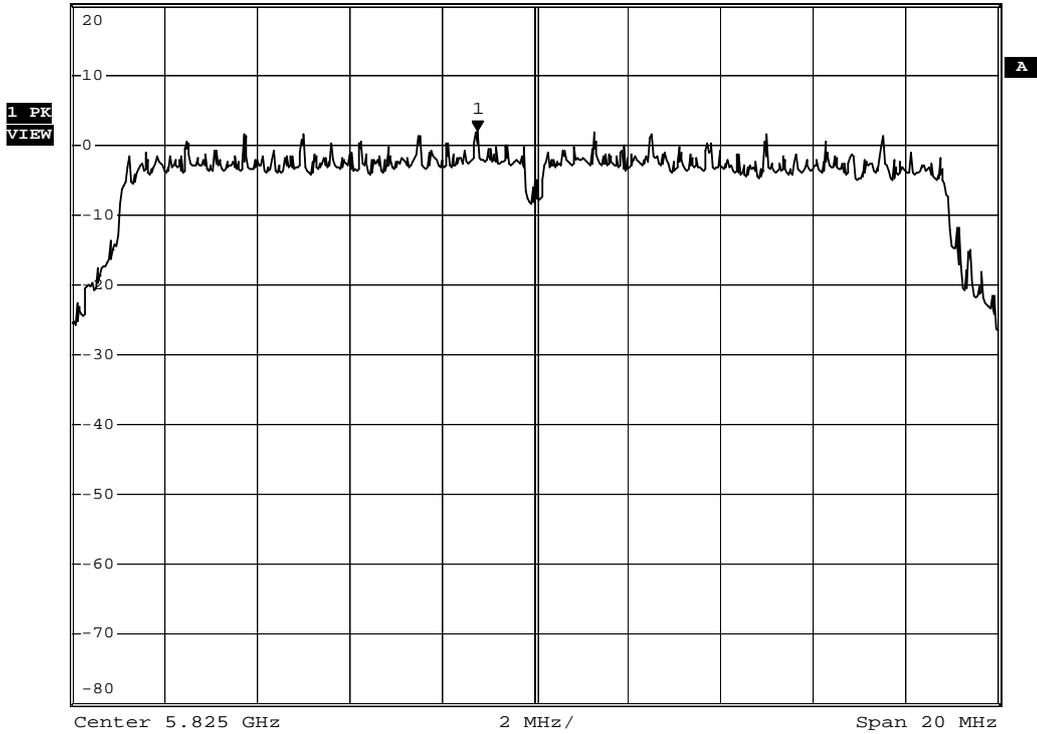
Date: 18.MAY.2012 21:54:46

Channel 165



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.00 dBm
SWT 20 ms 5.823760000 GHz

Ref 20 dBm *Att 30 dB



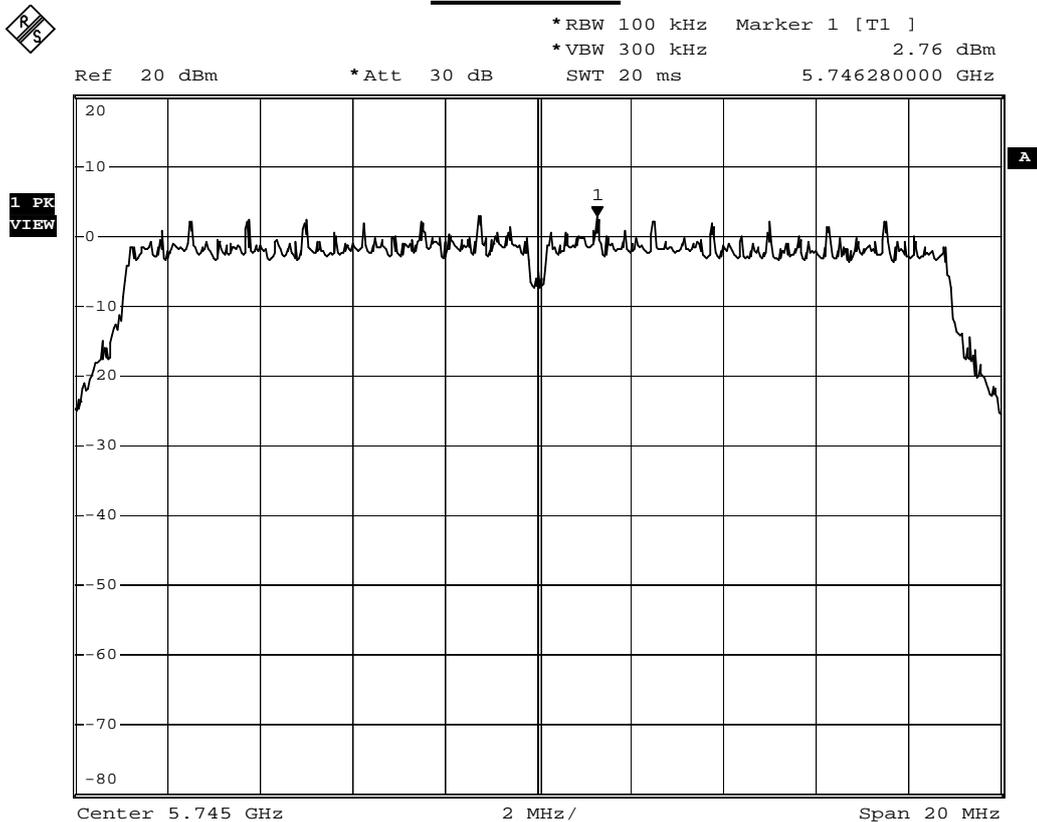
Date: 18.MAY.2012 21:54:21

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE802.11ac_20MHz_(ANT 2)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	2.76	-12.44	≤ 8	Pass
157	5785	2.06	-13.14	≤ 8	Pass
165	5825	1.95	-13.25	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 149



Date: 18.MAY.2012 21:52:04

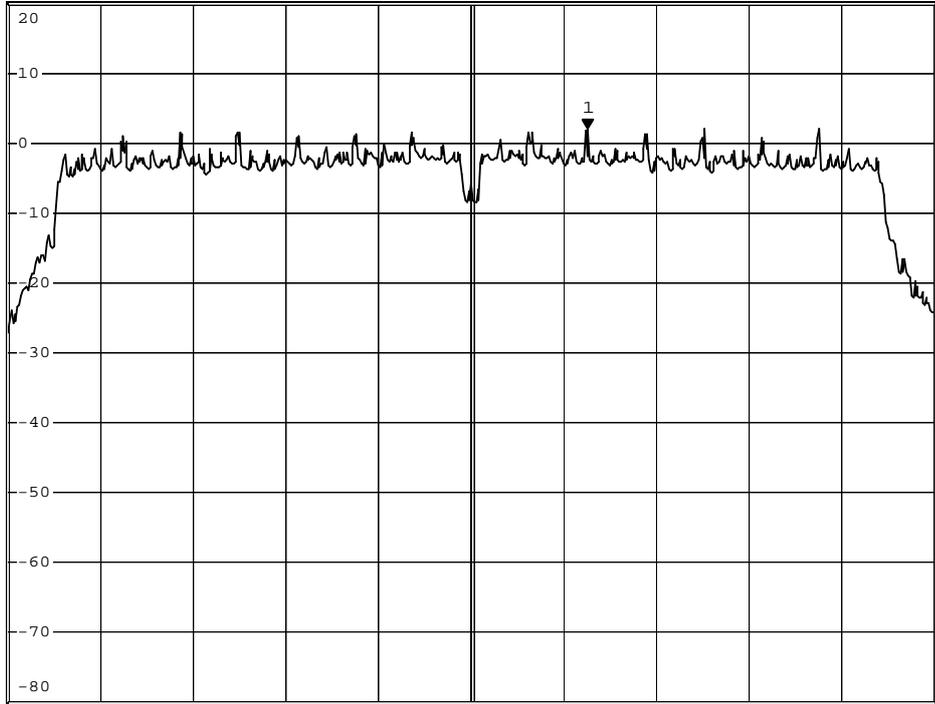
Channel 157



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 2.06 dBm
SWT 20 ms 5.787520000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



Center 5.785 GHz 2 MHz/ Span 20 MHz

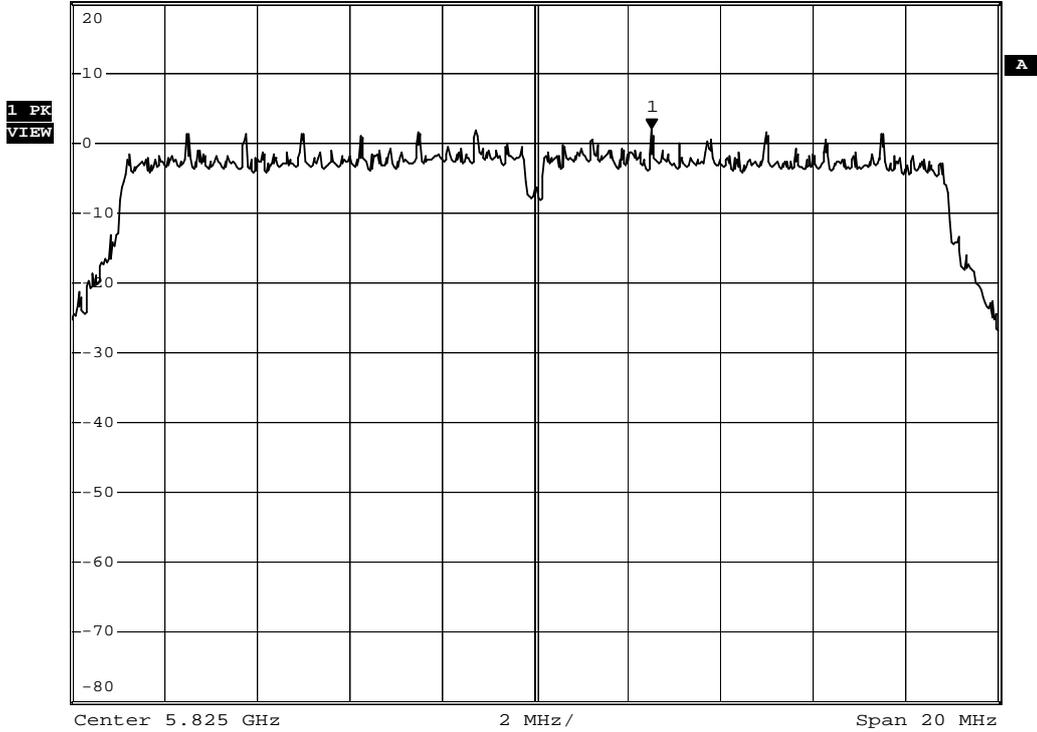
Date: 18.MAY.2012 21:53:11

Channel 165



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz 1.95 dBm
SWT 20 ms 5.827520000 GHz

Ref 20 dBm *Att 30 dB



Date: 18.MAY.2012 21:53:38

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE802.11ac 20MHz(ANT 0+1+2)

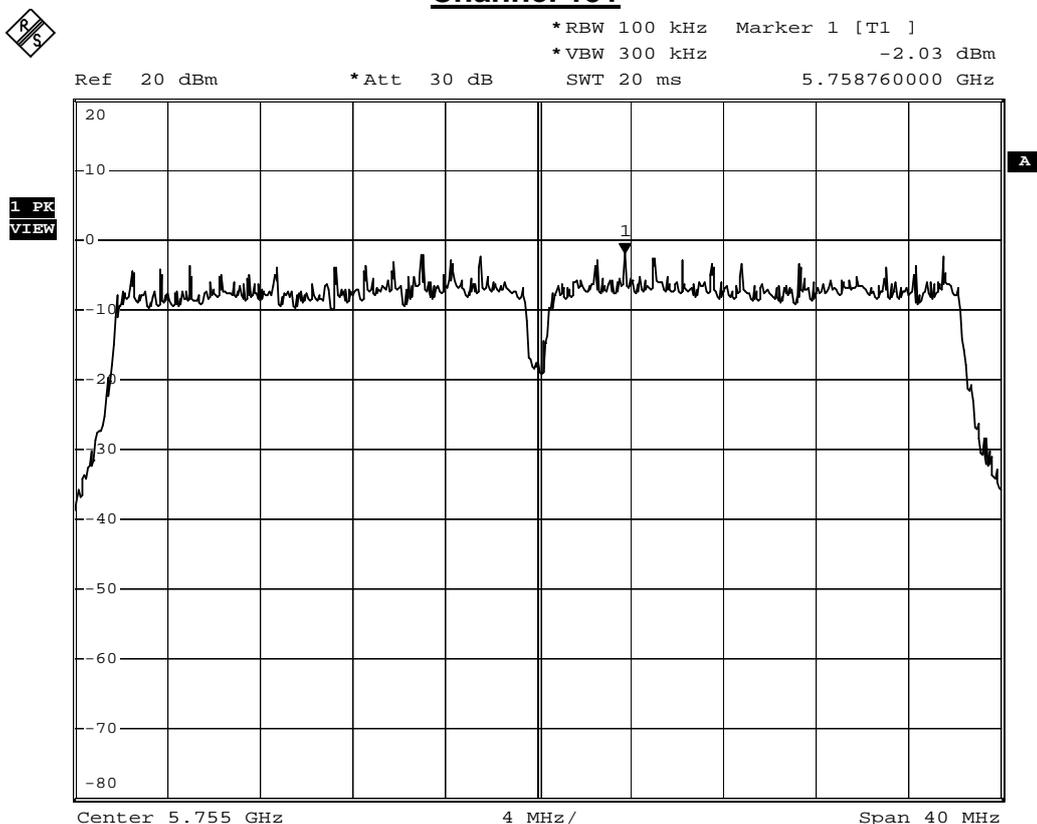
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-8.21	≤ 8	Pass
157	5785	-8.31	≤ 8	Pass
165	5825	-8.80	≤ 8	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	-2.03	-17.23	≤ 8	Pass
159	5795	-1.66	-16.86	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 151



Date: 18.MAY.2012 21:48:40

Channel 159



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -1.66 dBm
SWT 20 ms 5.789960000 GHz

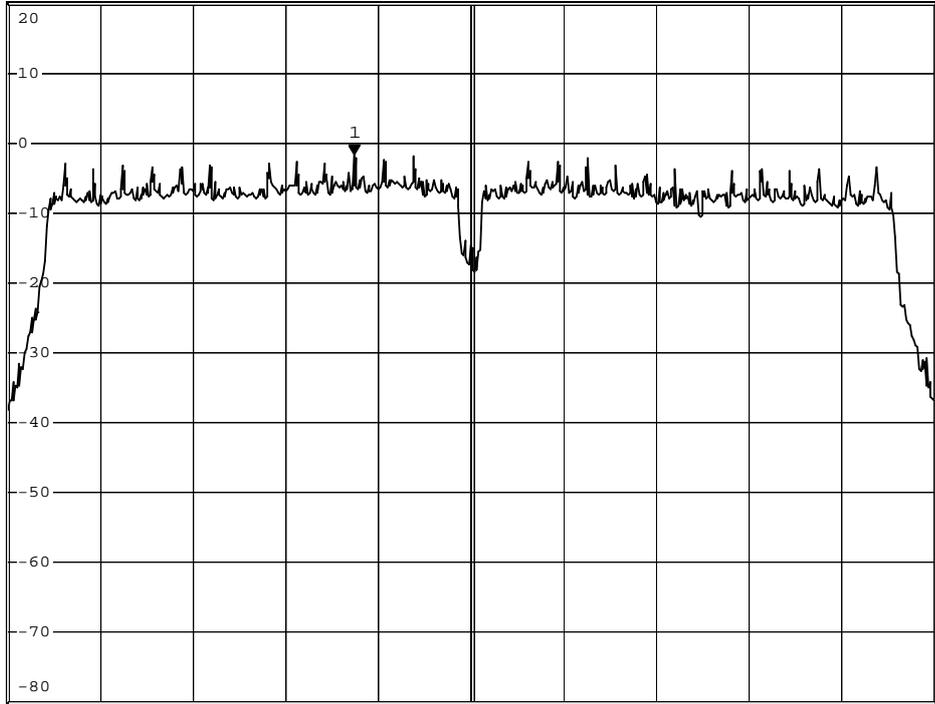
Ref 20 dBm

*Att 30 dB

SWT 20 ms

5.789960000 GHz

1 PK
VIEW



Center 5.795 GHz

4 MHz/

Span 40 MHz

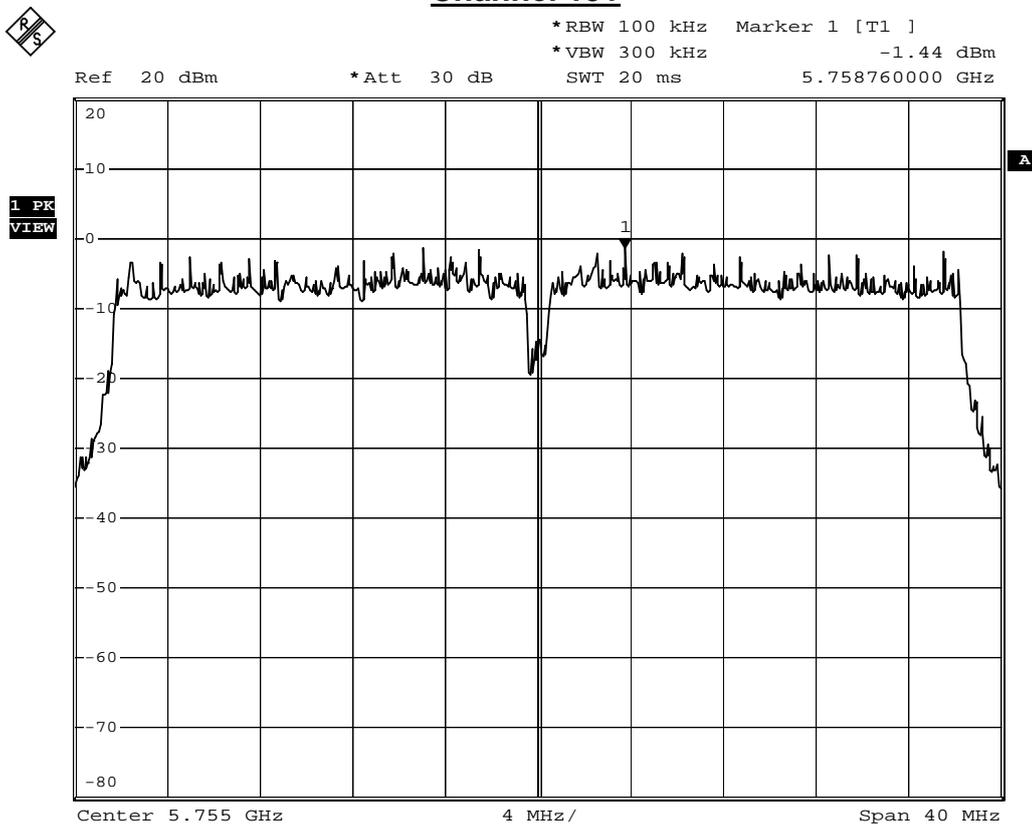
Date: 18.MAY.2012 21:48:05

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	-1.44	-16.64	≤ 8	Pass
159	5795	-1.08	-16.28	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 151



Date: 18.MAY.2012 21:49:33

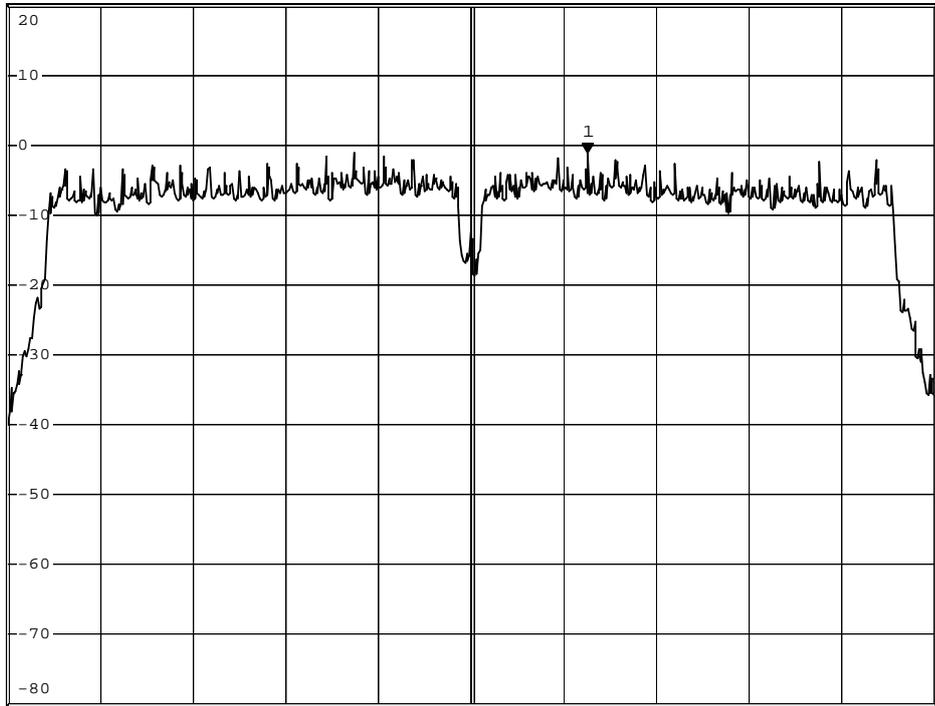
Channel 159



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -1.08 dBm
SWT 20 ms 5.800040000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



Center 5.795 GHz 4 MHz/ Span 40 MHz

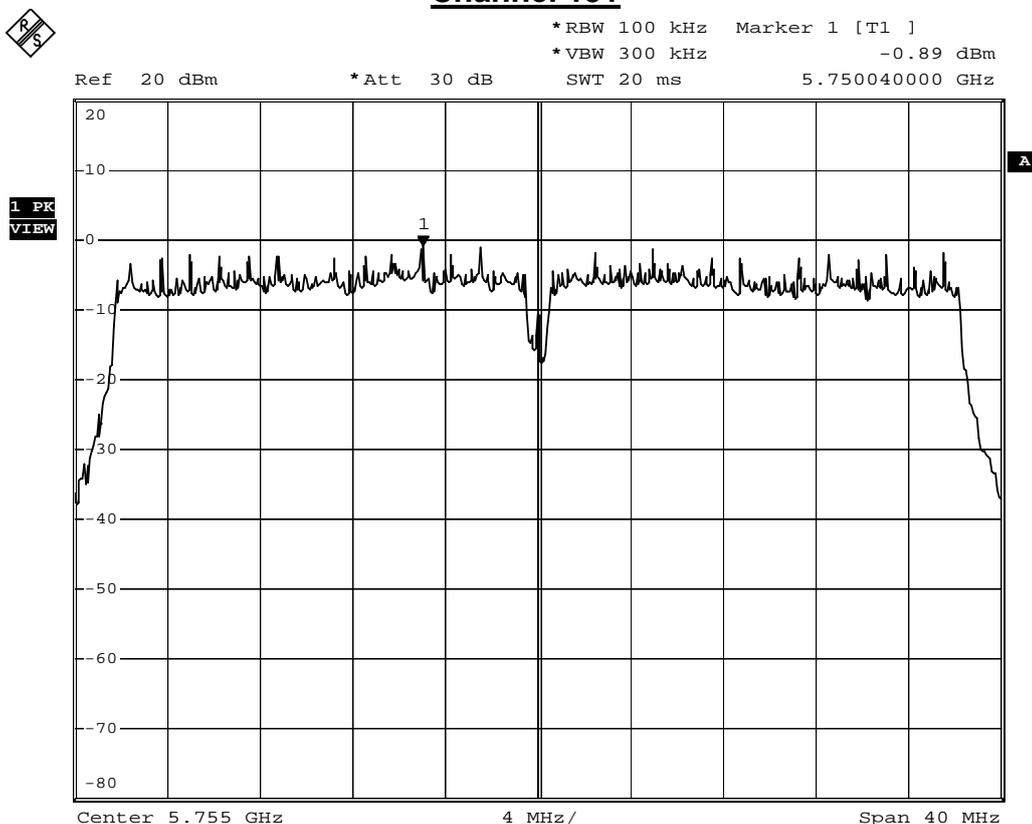
Date: 18.MAY.2012 21:49:59

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac_40MHz (ANT 2)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	-0.89	-16.09	≤ 8	Pass
159	5795	-1.36	-16.56	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 151



Date: 18.MAY.2012 21:51:30

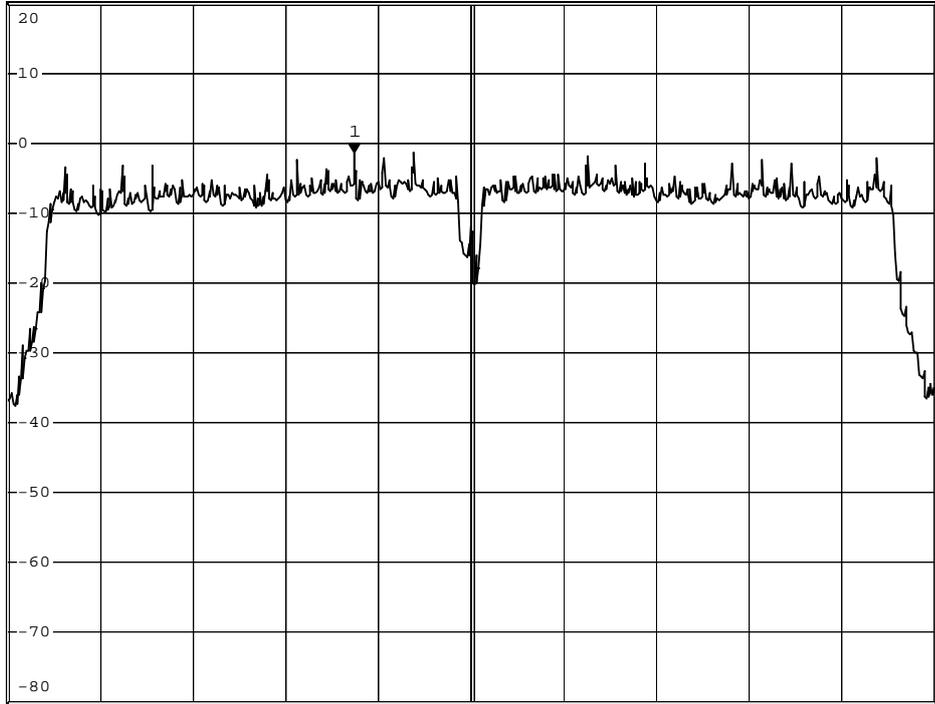
Channel 159



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -1.36 dBm
SWT 20 ms 5.789960000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



Center 5.795 GHz 4 MHz/ Span 40 MHz

Date: 18.MAY.2012 21:50:45

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE802.11ac 40MHz(ANT 0+1+2)

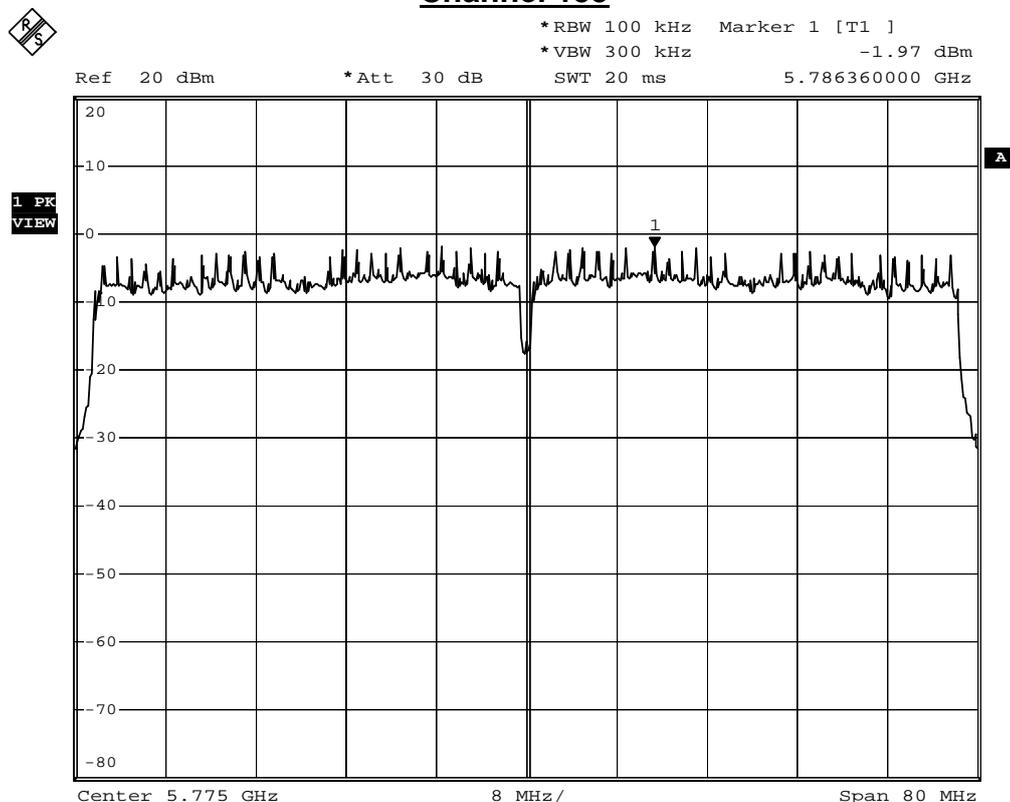
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-11.86	≤ 8	Pass
159	5795	-11.79	≤ 8	Pass

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
155	5775	-1.97	-17.17	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 155



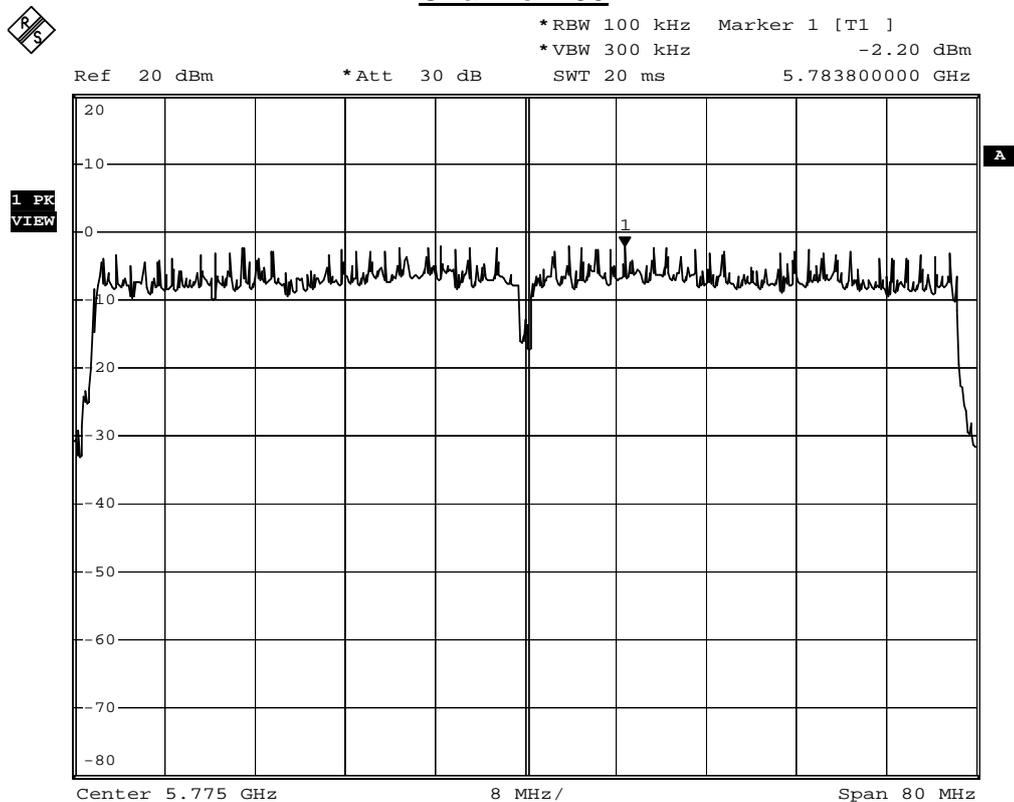
Comment: A:\2
 Date: 25.APR.2012 17:31:54

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
155	5775	-2.20	-17.40	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 155



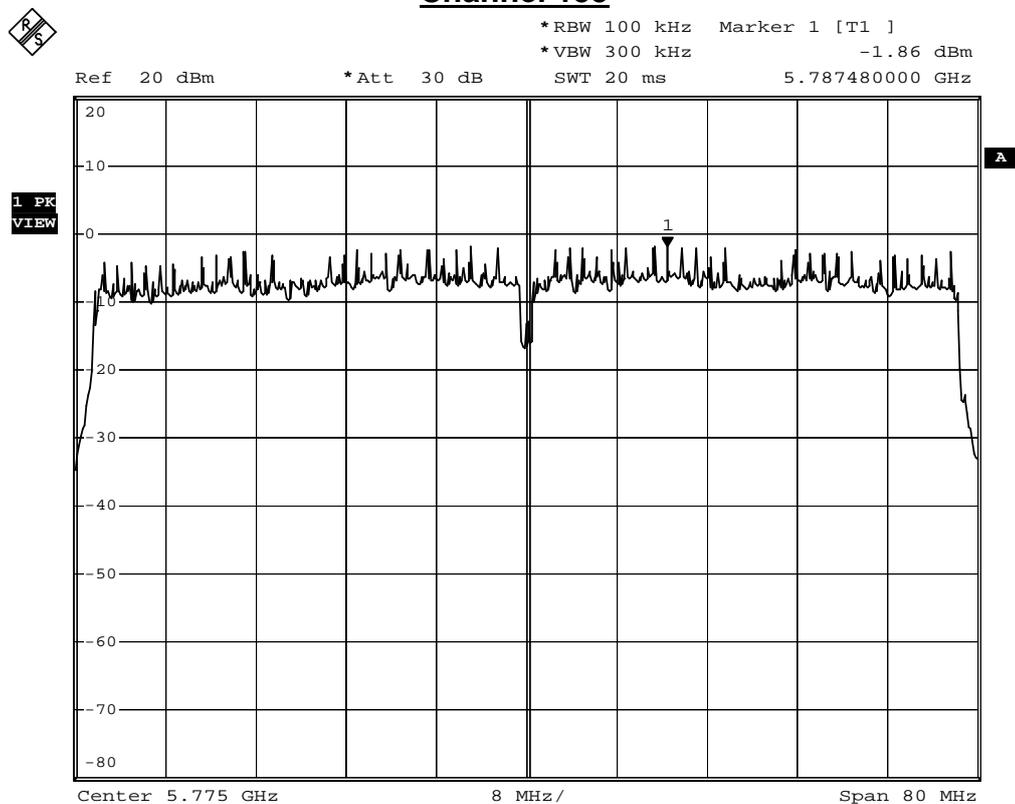
Comment: A:\2
 Date: 25.APR.2012 17:32:57

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 2)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
155	5775	-1.86	-17.06	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 155



Comment: A:\2
 Date: 25.APR.2012 17:33:42

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/04/25	Test Site	SR7

IEEE802.11ac 80MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-12.44	≤ 8	Pass