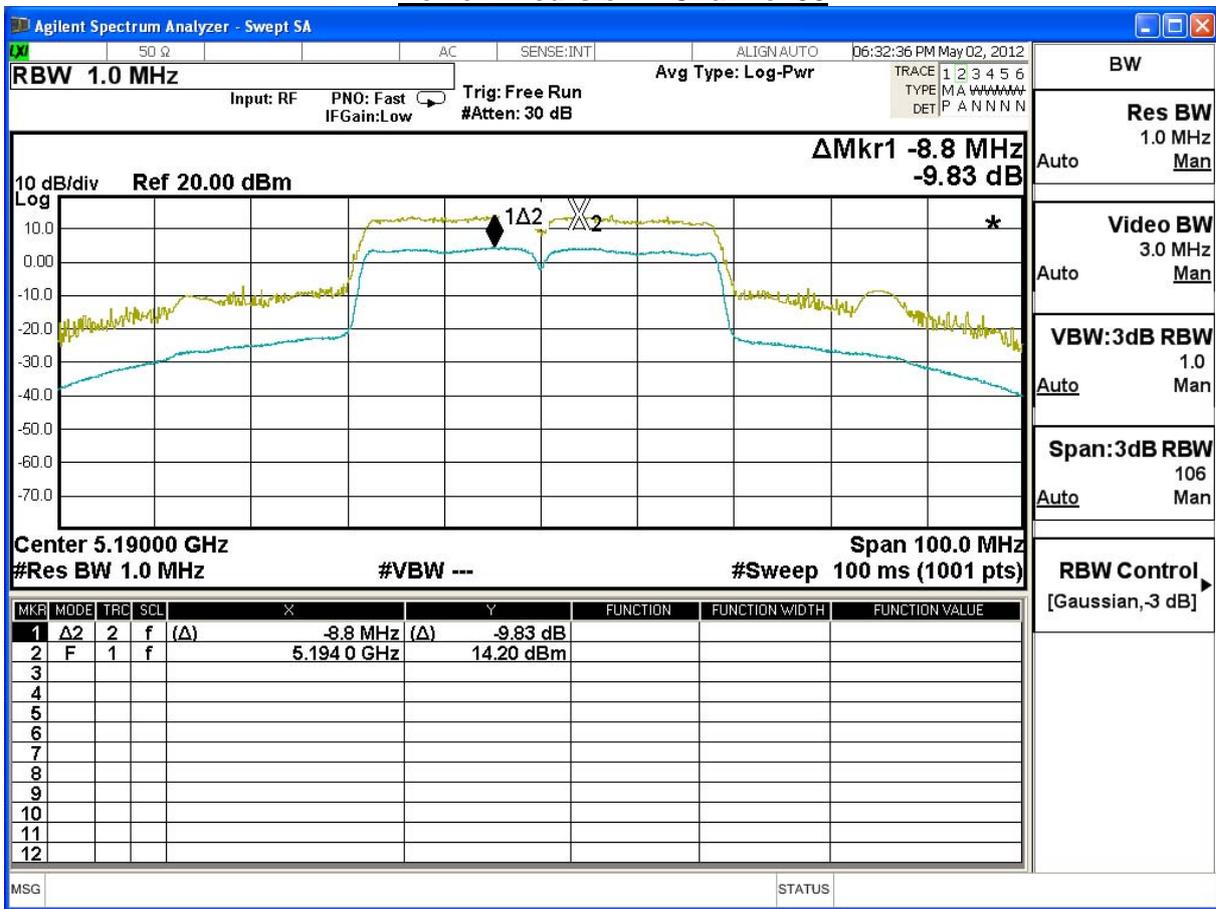


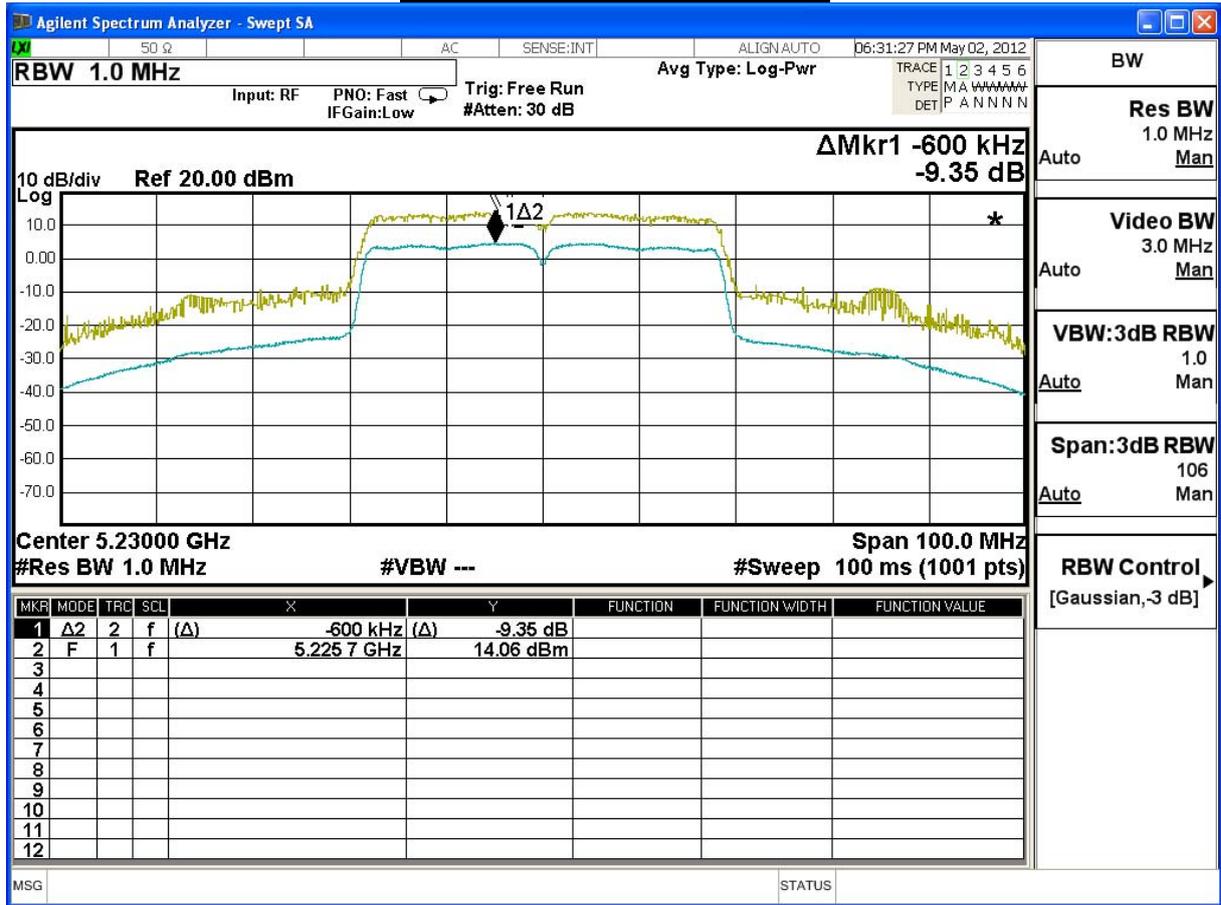
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/02	Test Site	SR7

IEEE 802.11n_40M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
38	5190	9.83	≤ 13	Pass
46	5230	9.35	≤ 13	Pass

Power Excursion – Channel 38



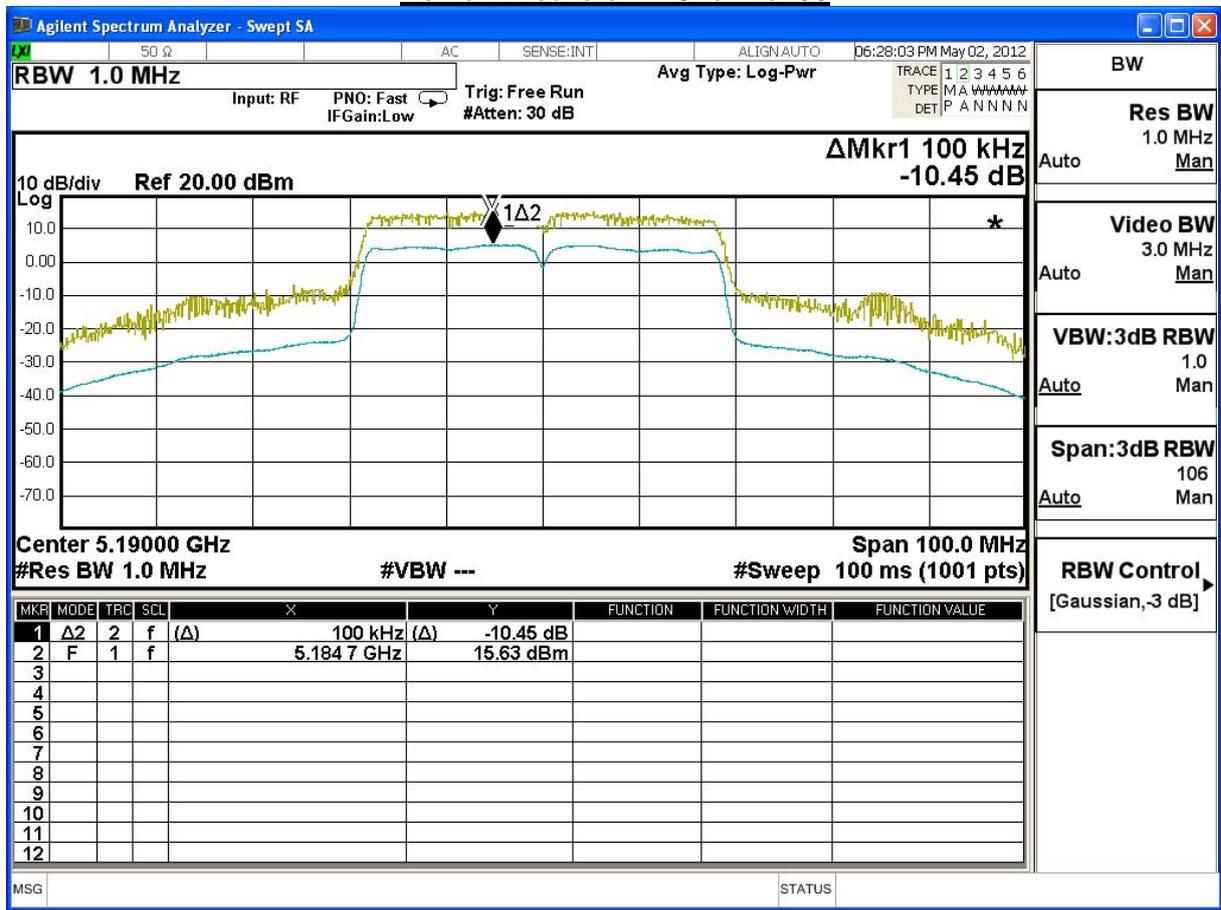
Power Excursion – Channel 46



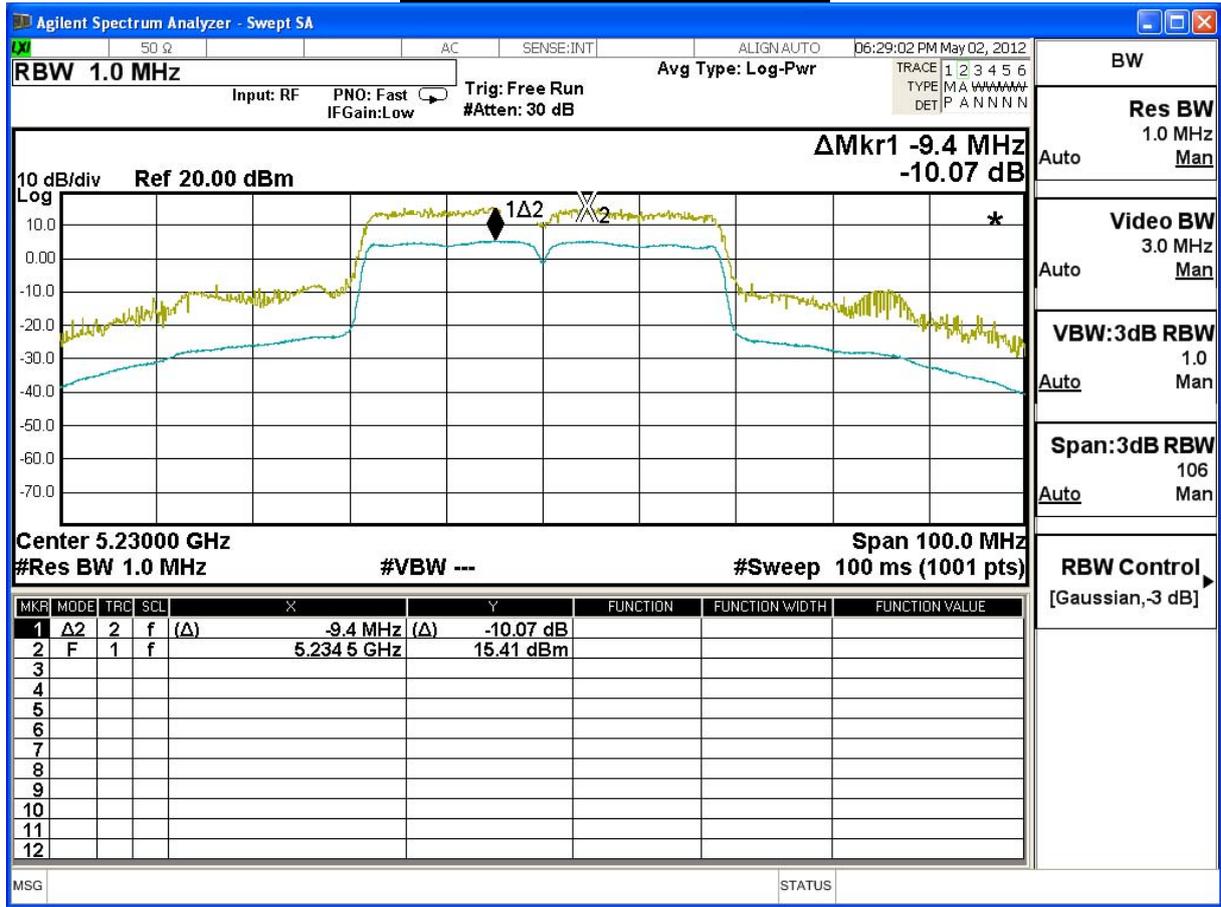
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/02	Test Site	SR7

IEEE 802.11n_40M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
38	5190	10.45	≤ 13	Pass
46	5230	10.07	≤ 13	Pass

Power Excursion – Channel 38



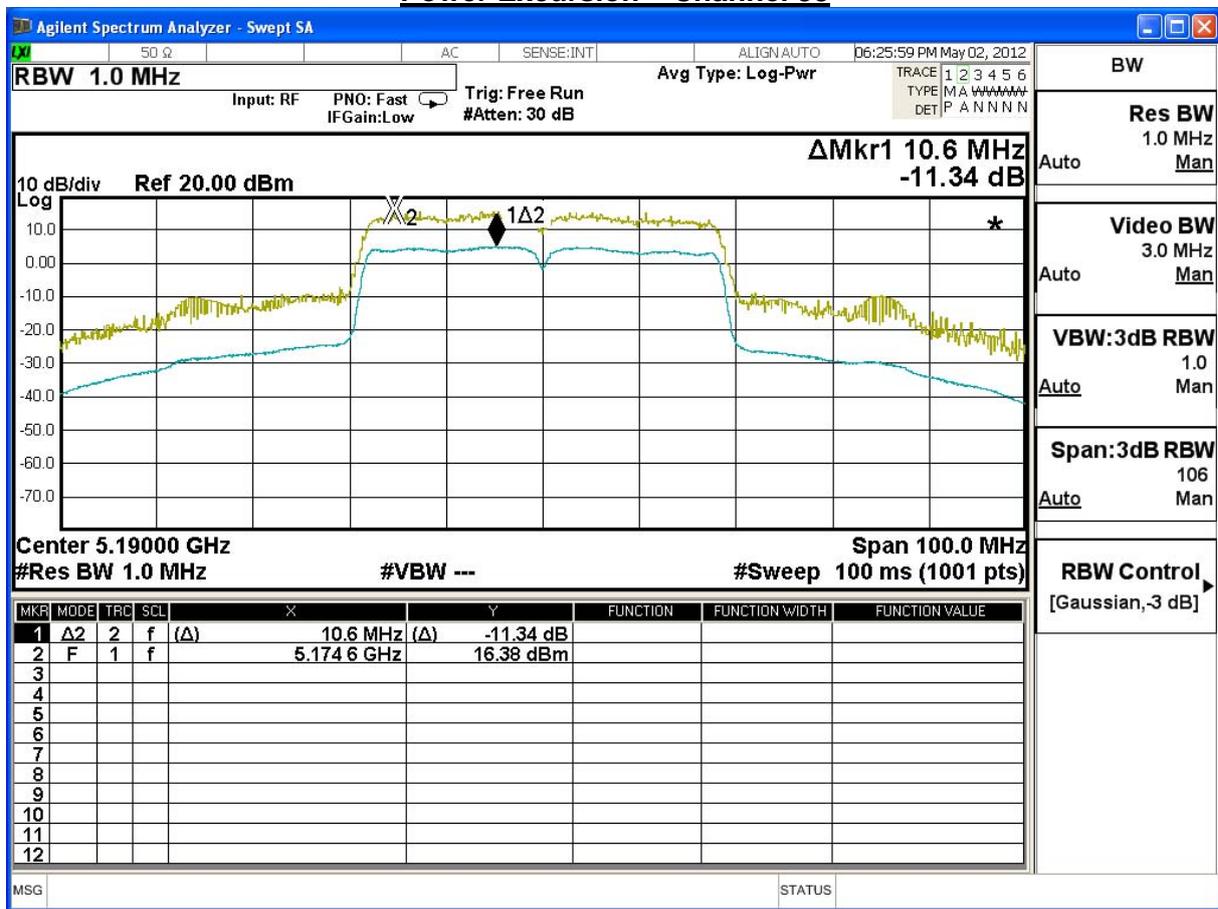
Power Excursion – Channel 46



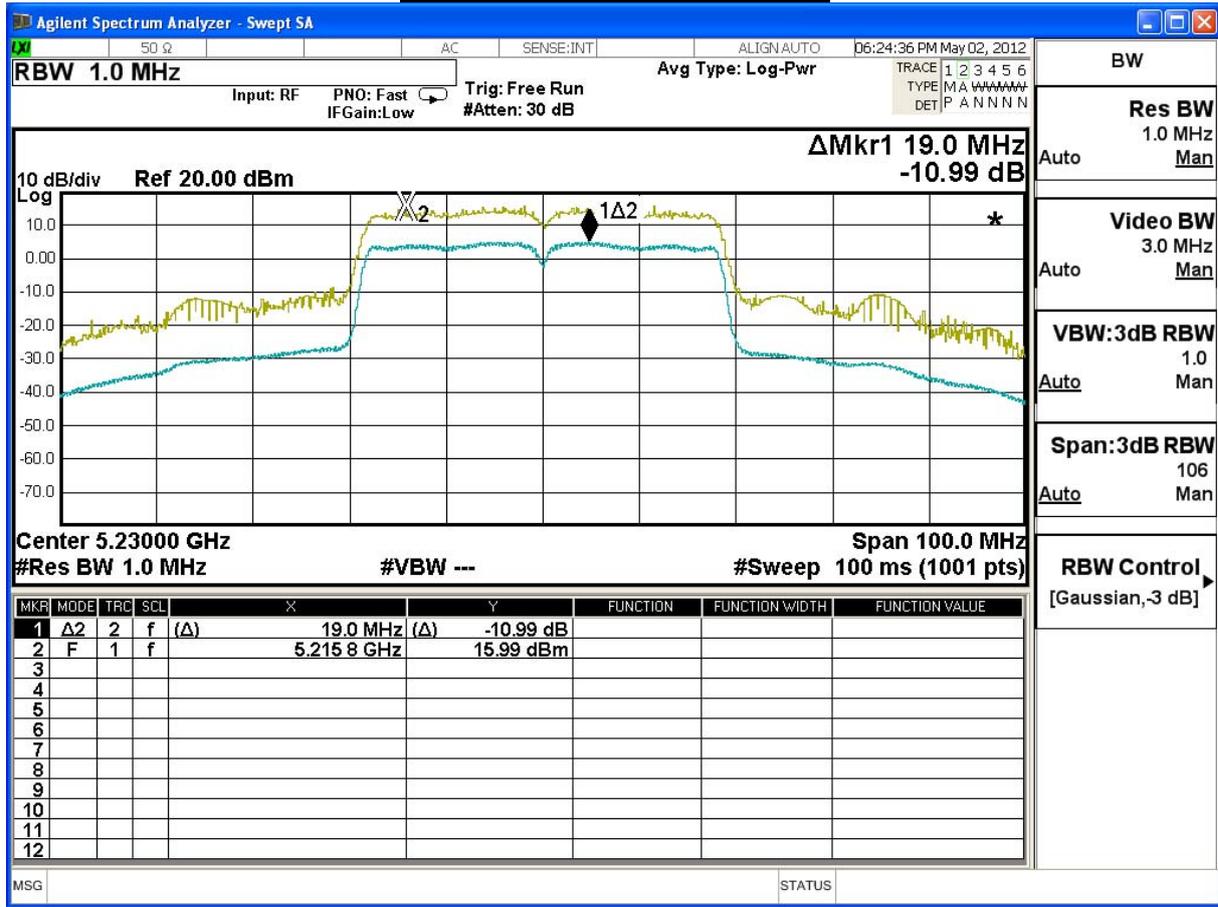
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/02	Test Site	SR7

IEEE 802.11n_40M(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
38	5190	11.34	≤ 13	Pass
46	5230	10.99	≤ 13	Pass

Power Excursion – Channel 38



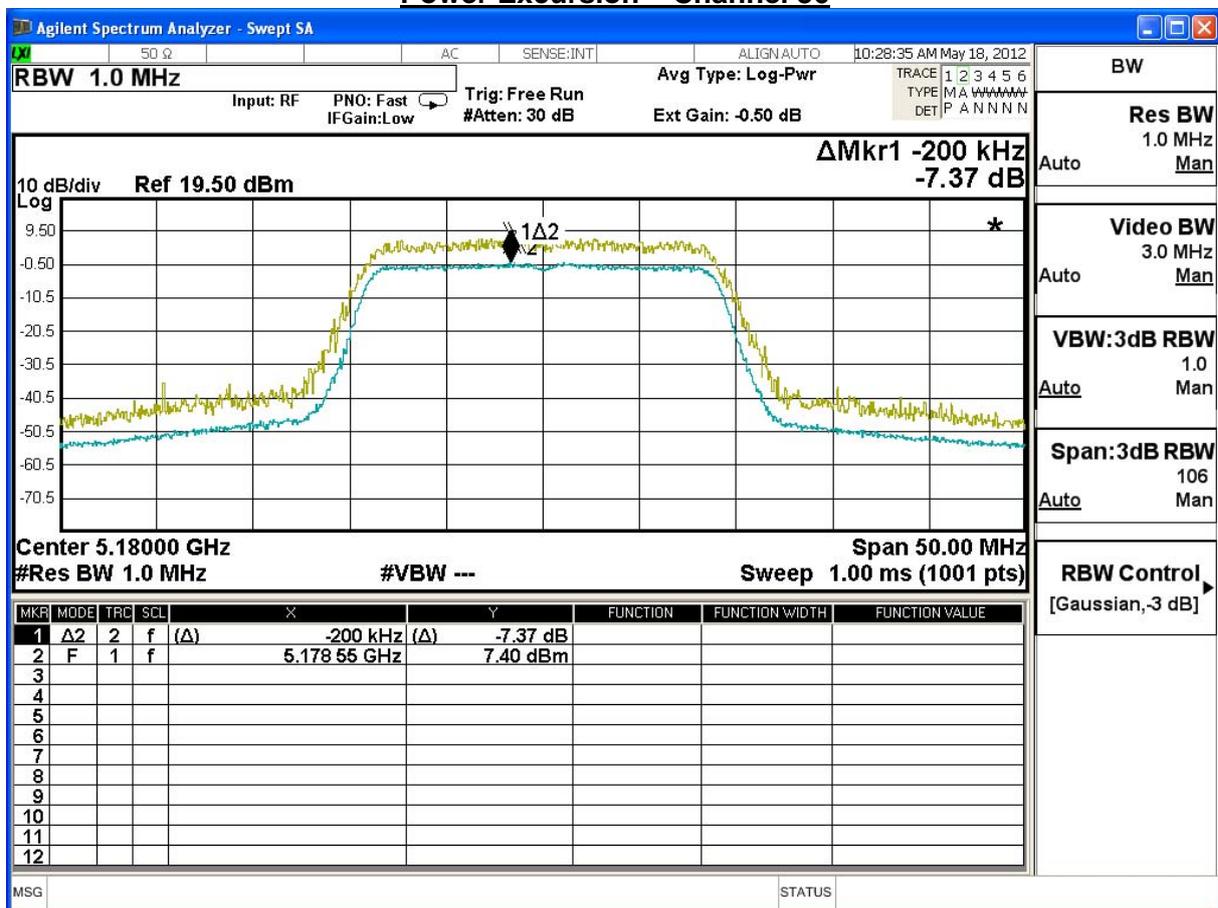
Power Excursion – Channel 46



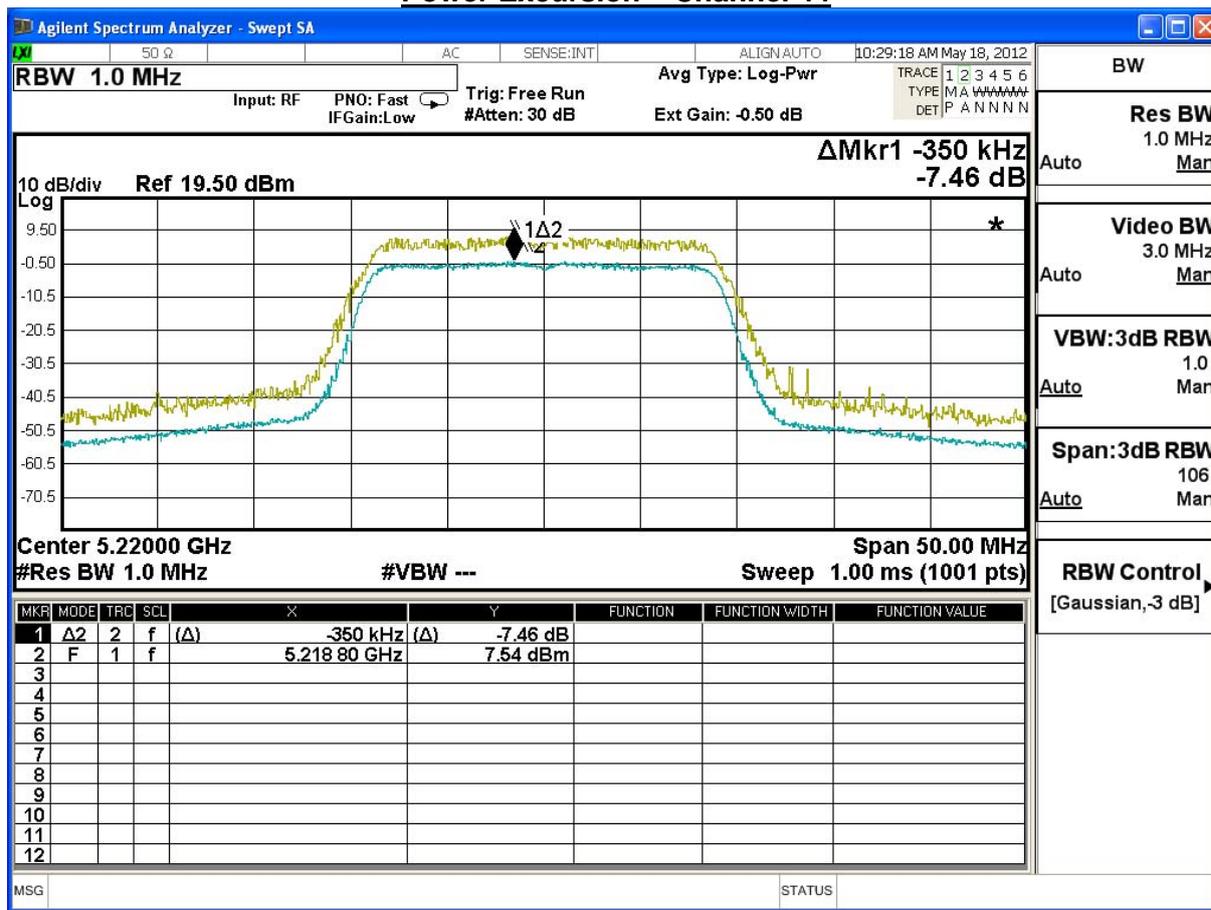
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac_20M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
36	5180	7.37	≤ 13	Pass
44	5220	7.46	≤ 13	Pass
48	5240	7.57	≤ 13	Pass

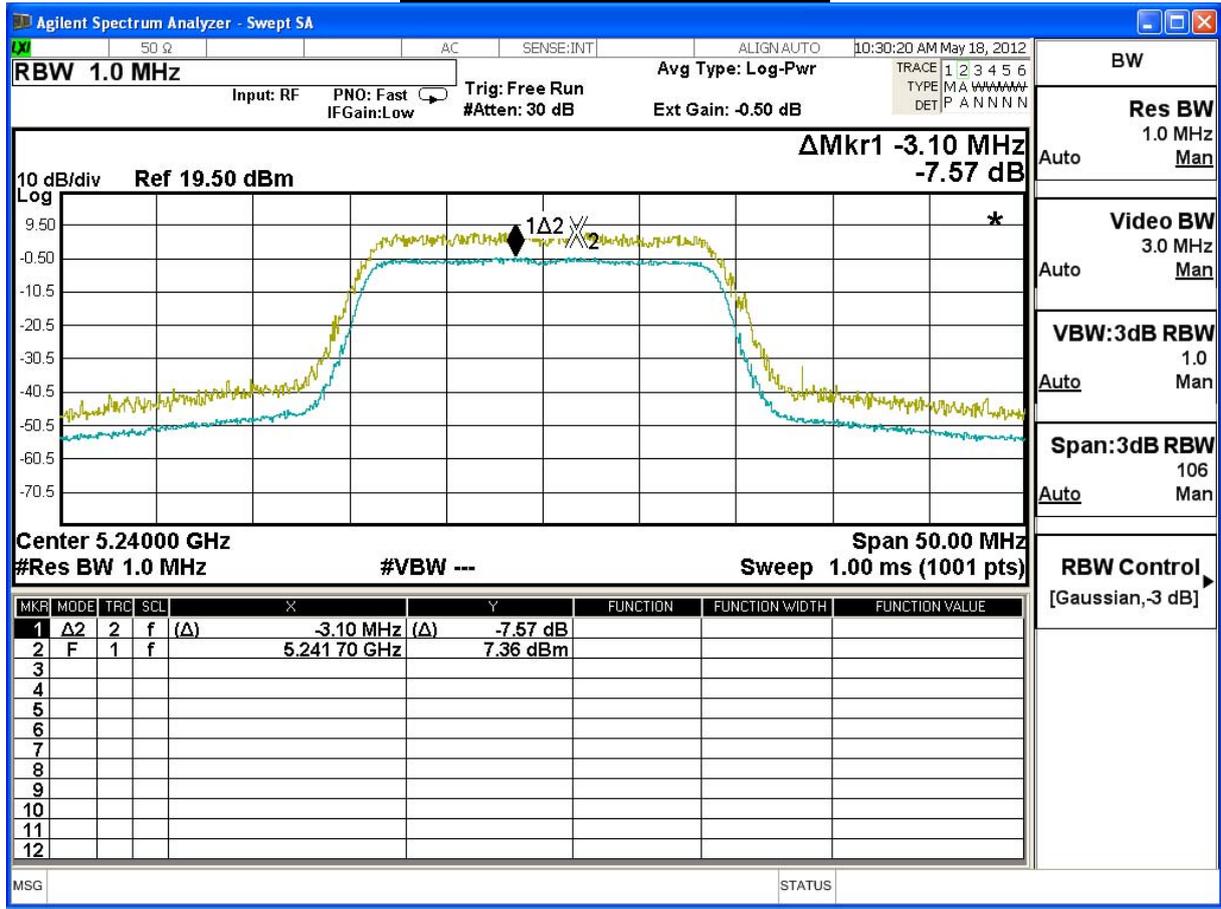
Power Excursion – Channel 36



Power Excursion – Channel 44



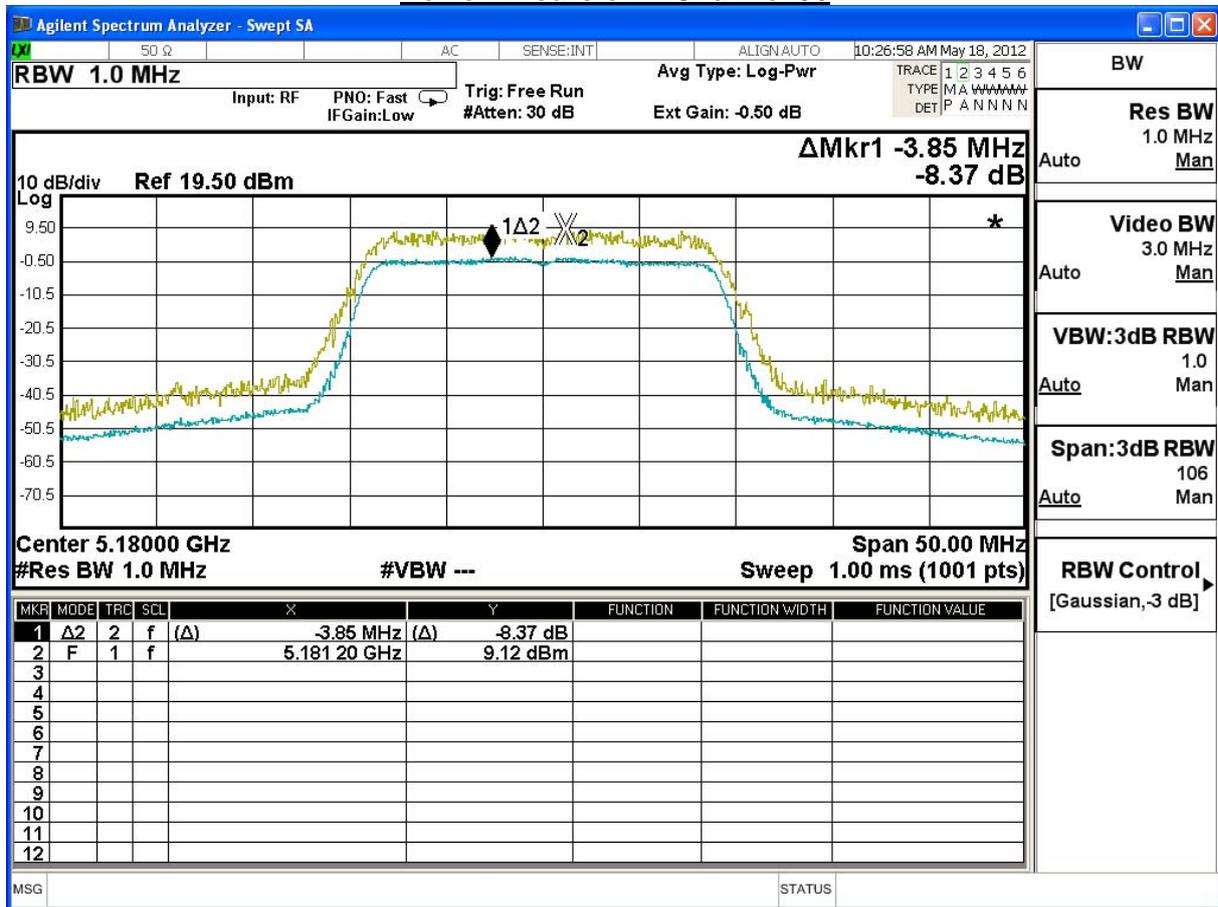
Power Excursion – Channel 48



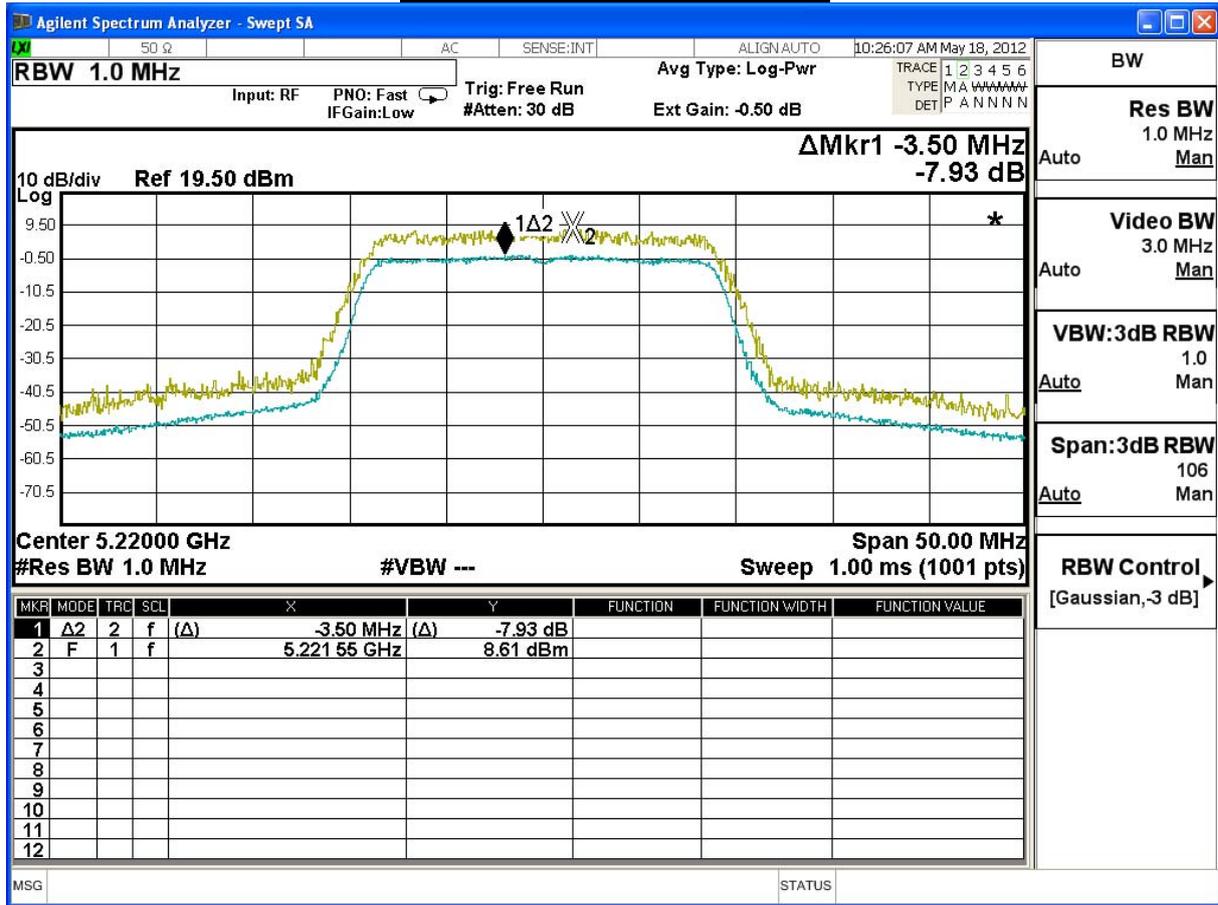
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac_20M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
36	5180	8.37	≤ 13	Pass
44	5220	7.93	≤ 13	Pass
48	5240	8.27	≤ 13	Pass

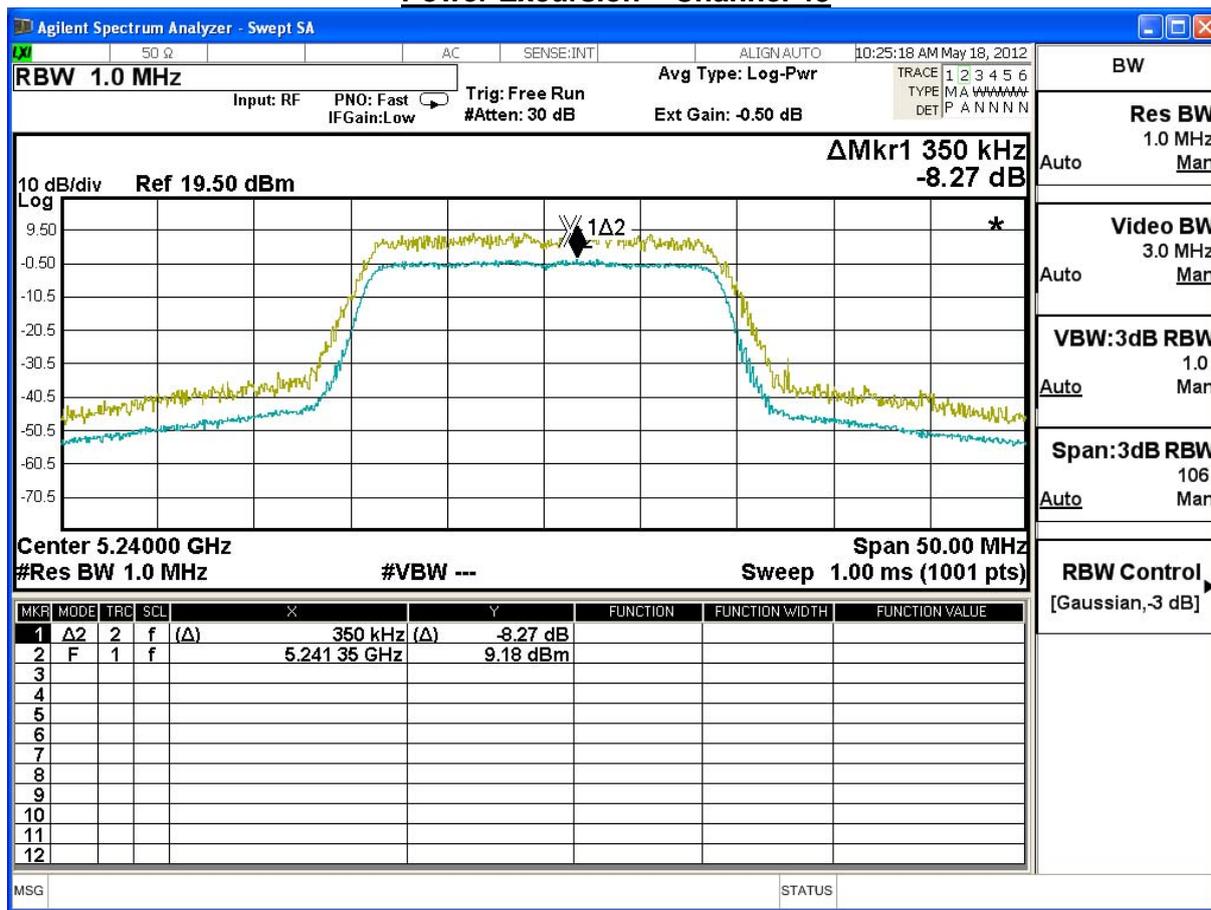
Power Excursion – Channel 36



Power Excursion – Channel 44



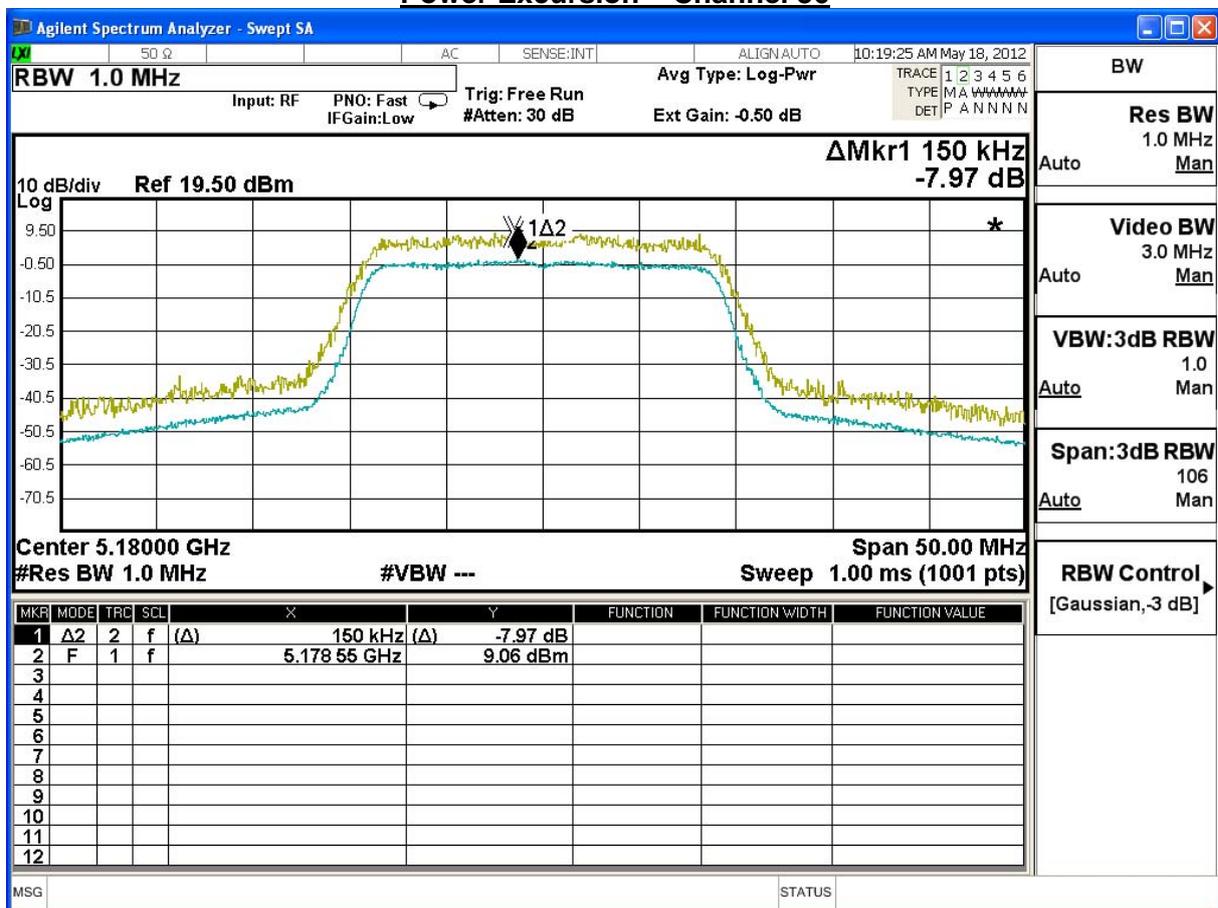
Power Excursion – Channel 48



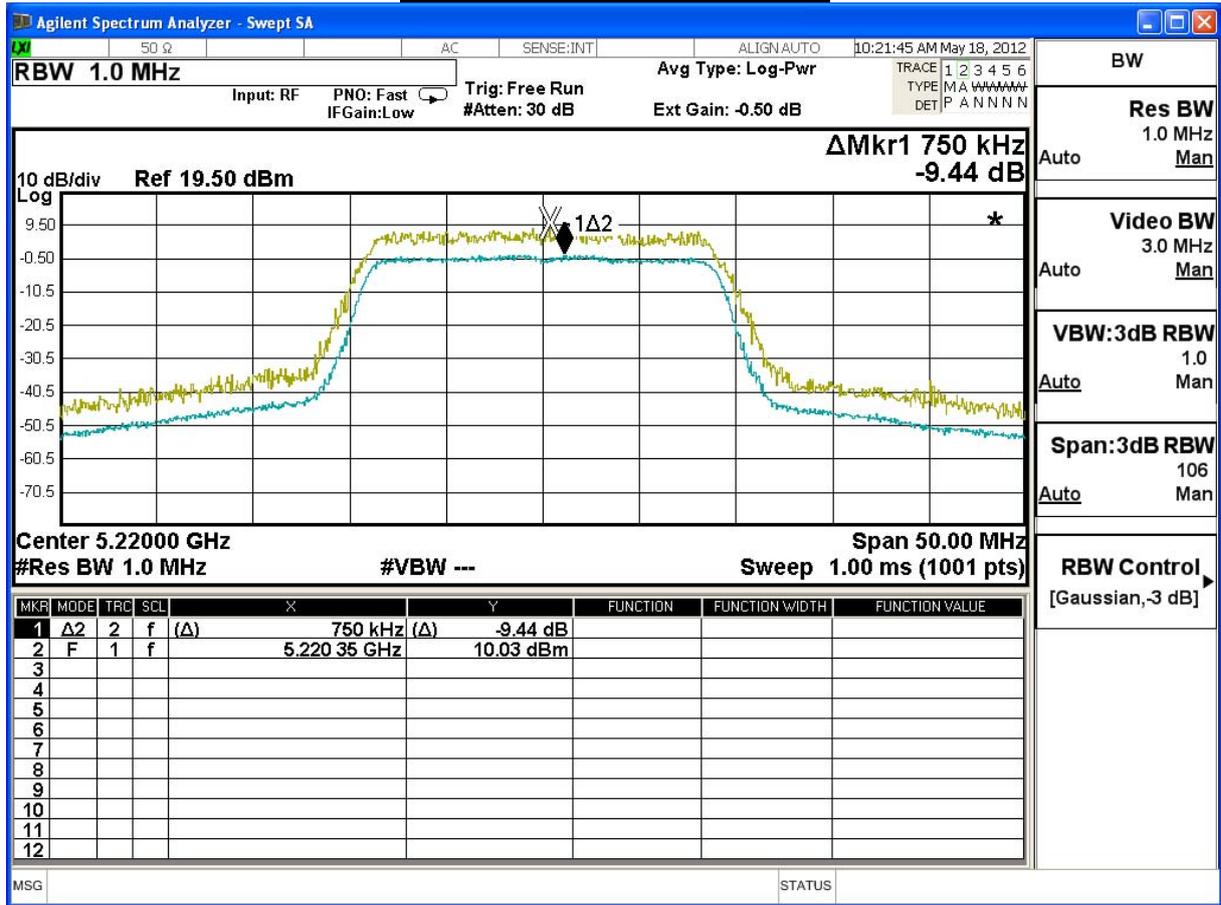
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac_20M(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
36	5180	7.97	≤ 13	Pass
44	5220	9.44	≤ 13	Pass
48	5240	8.20	≤ 13	Pass

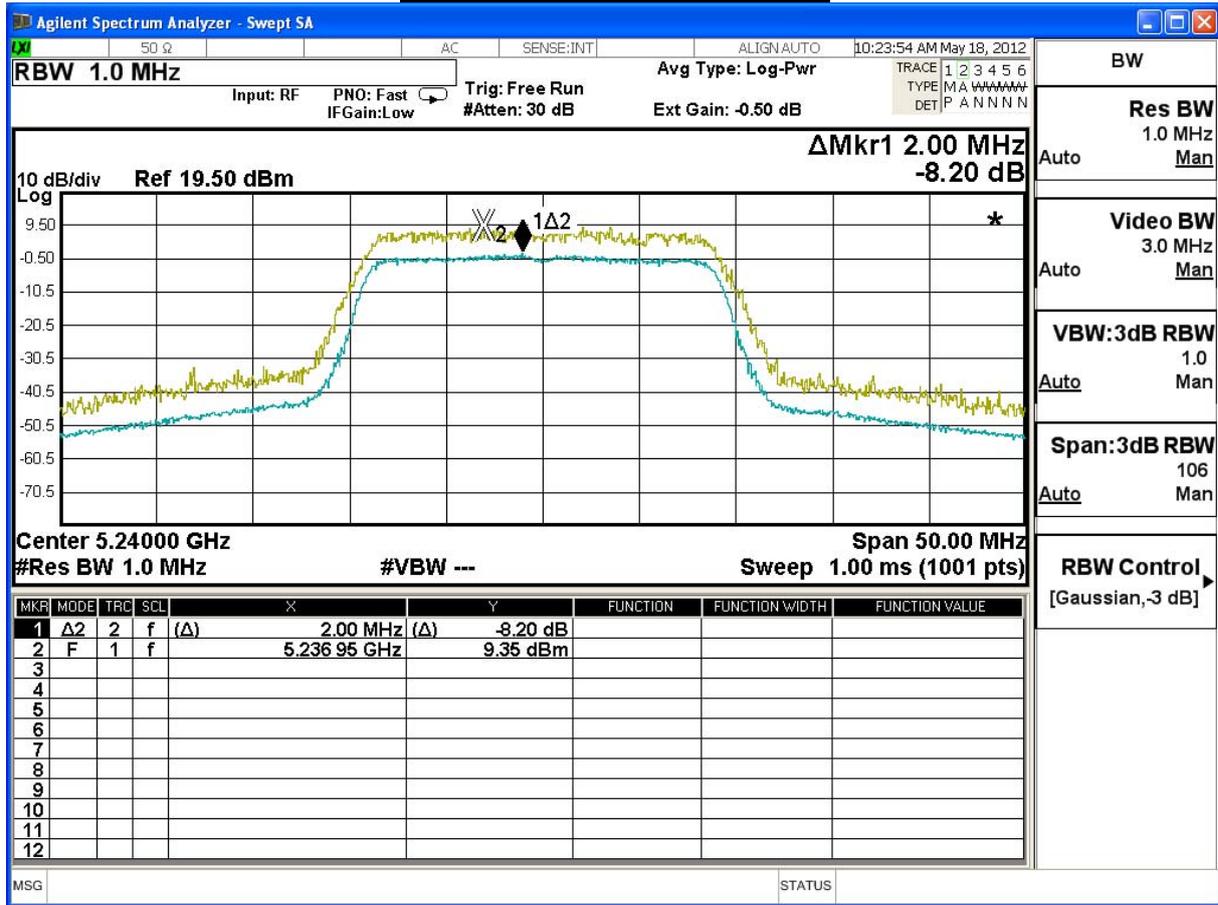
Power Excursion – Channel 36



Power Excursion – Channel 44



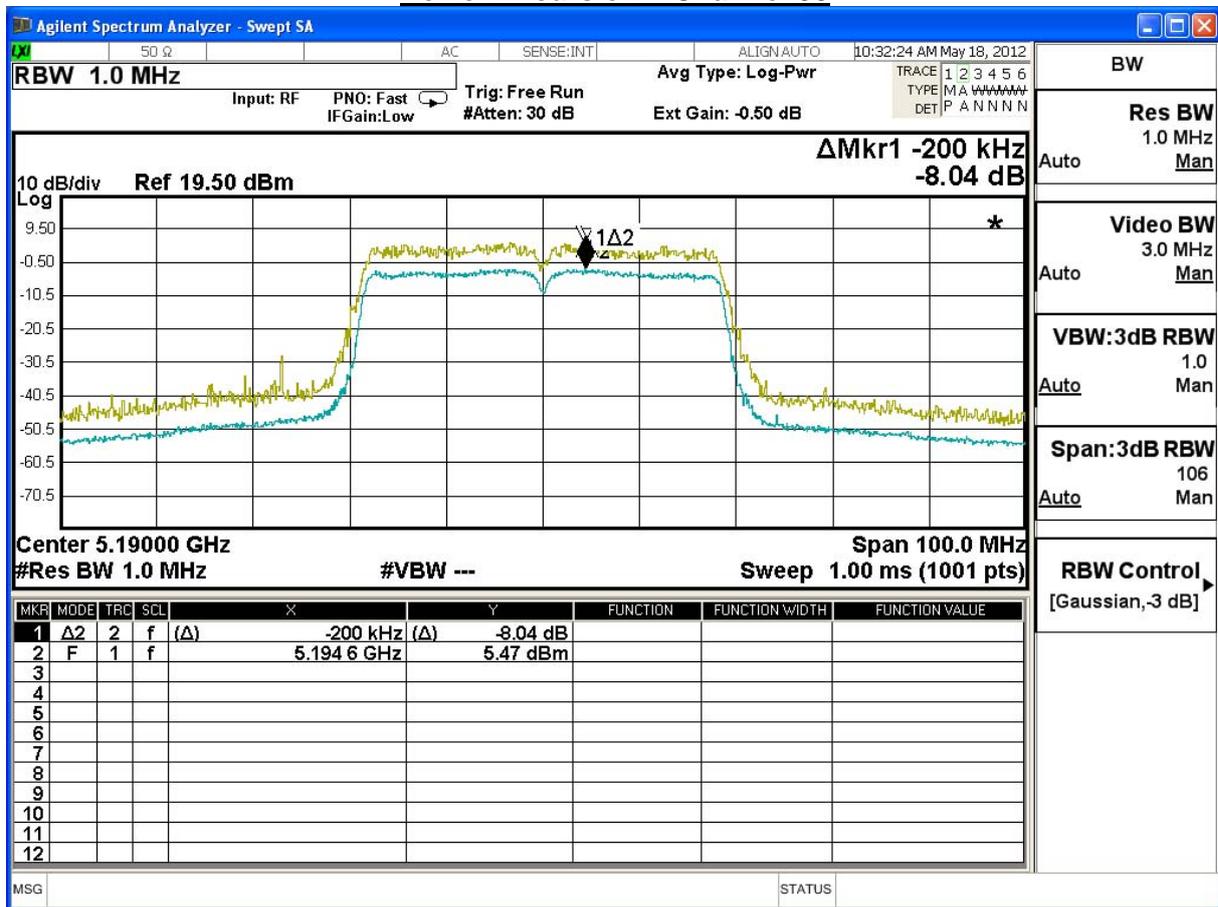
Power Excursion – Channel 48



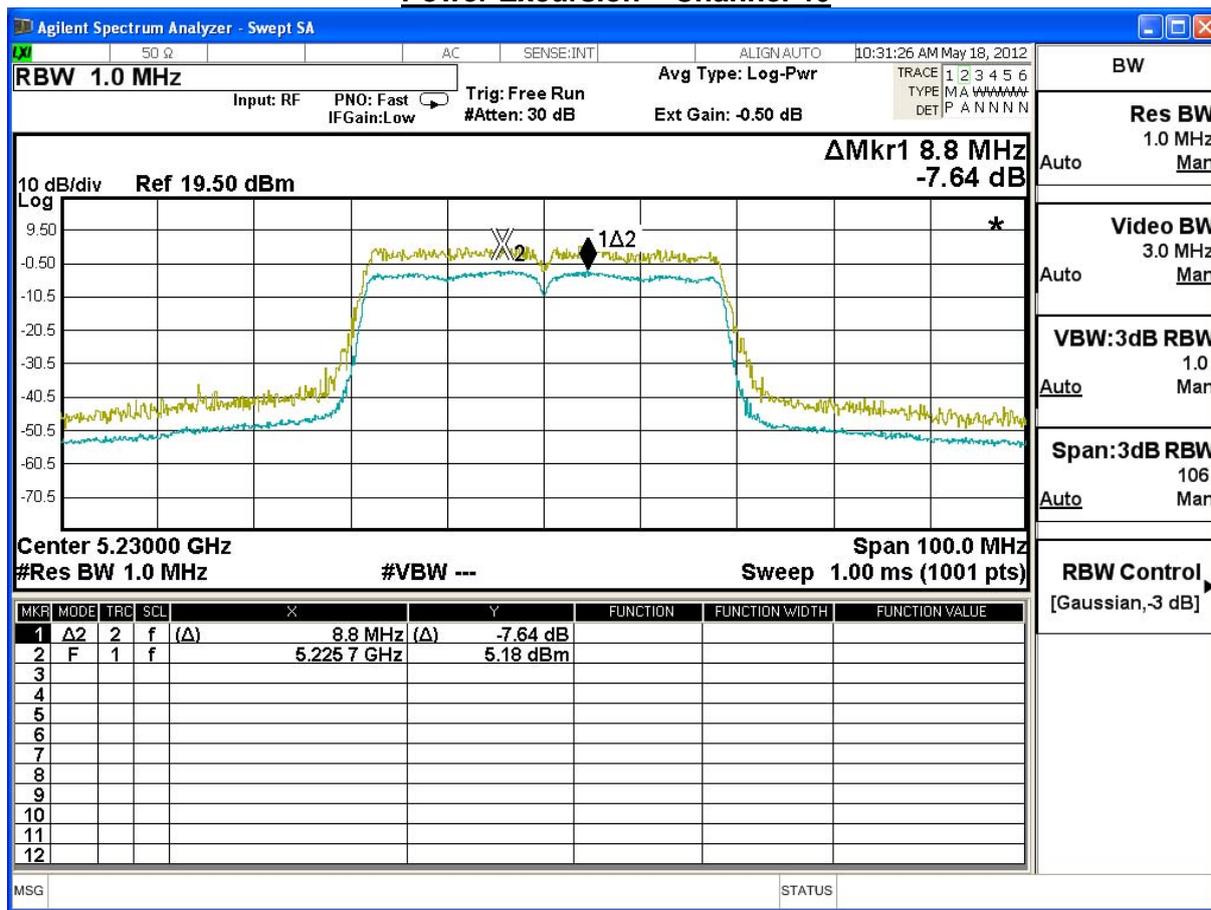
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac_40M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
38	5190	8.04	≤ 13	Pass
46	5230	7.64	≤ 13	Pass

Power Excursion – Channel 38



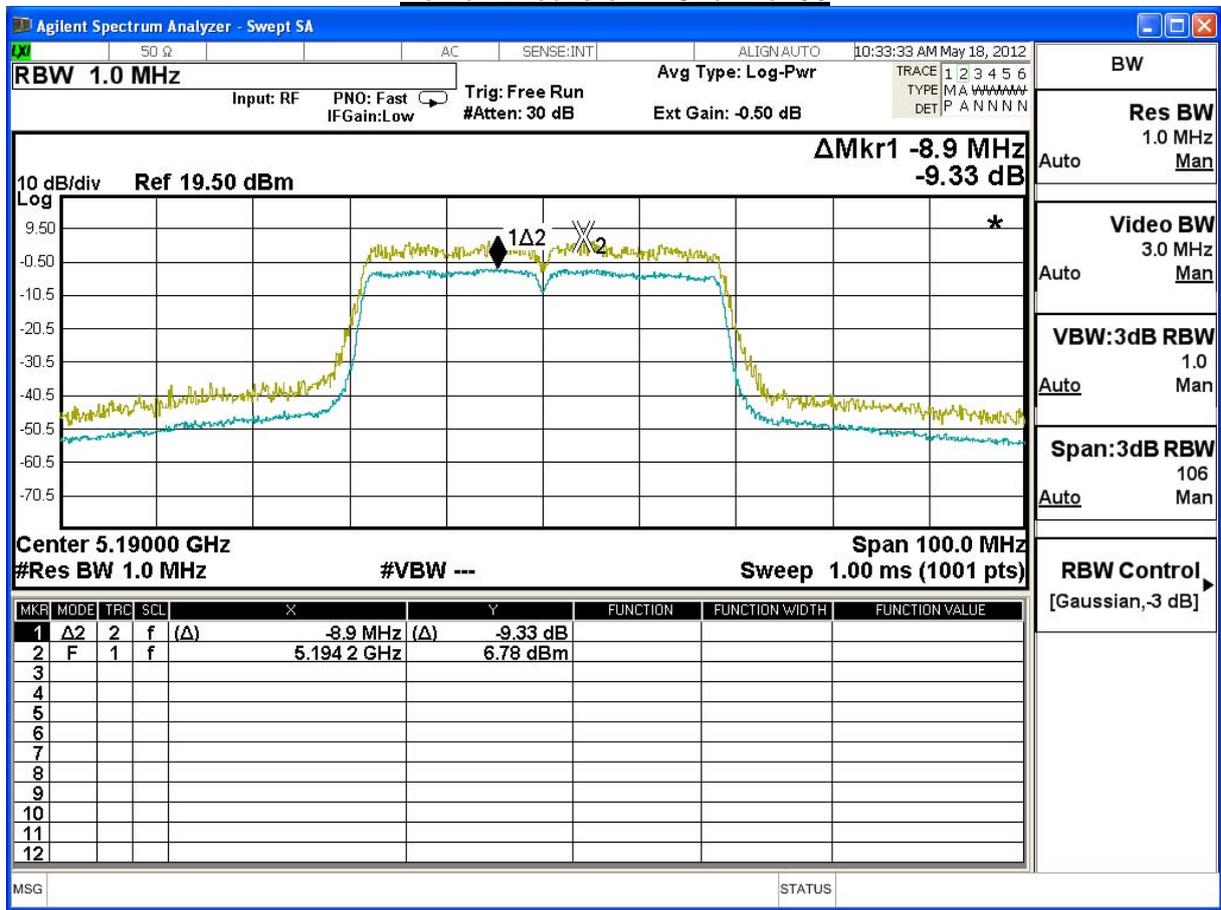
Power Excursion – Channel 46



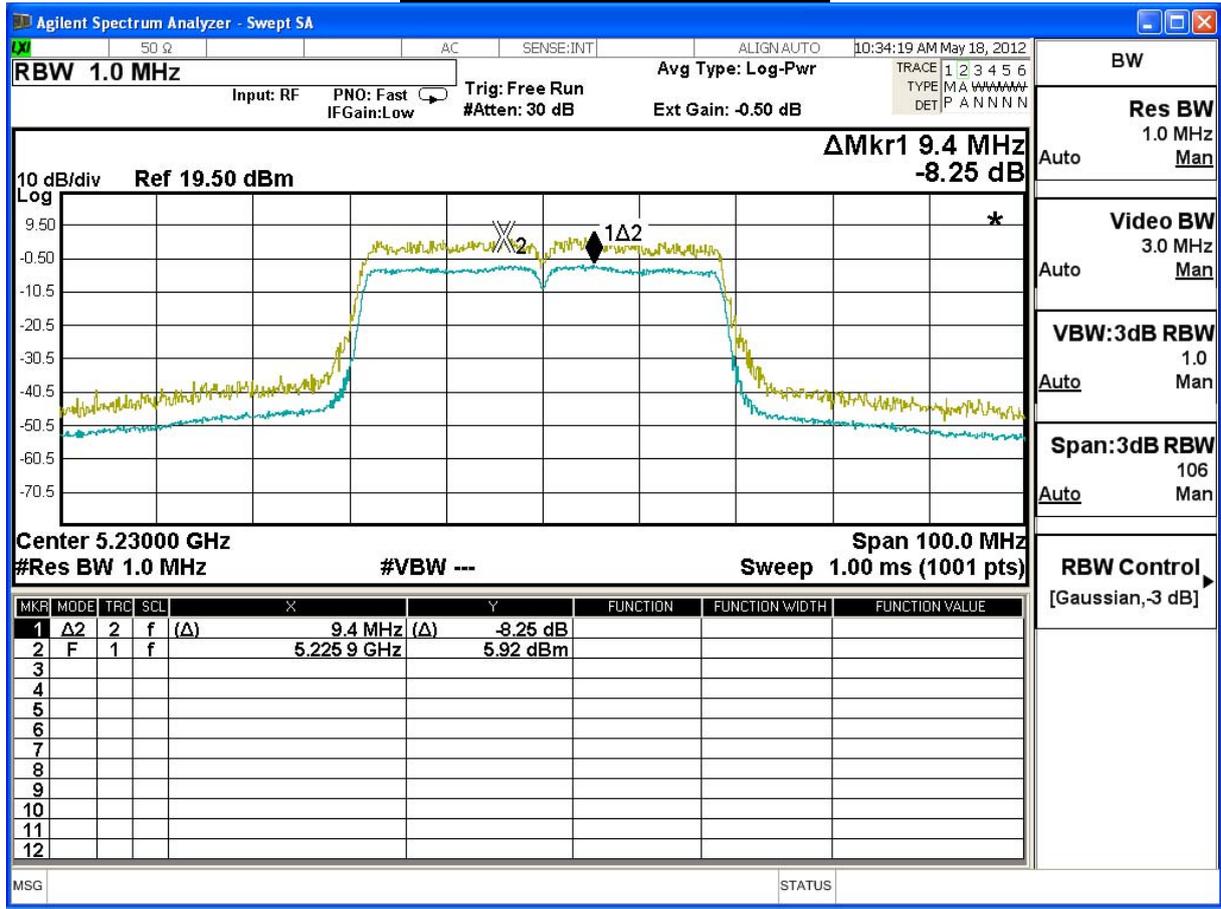
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac_40M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
38	5190	9.33	≤ 13	Pass
46	5230	8.25	≤ 13	Pass

Power Excursion – Channel 38



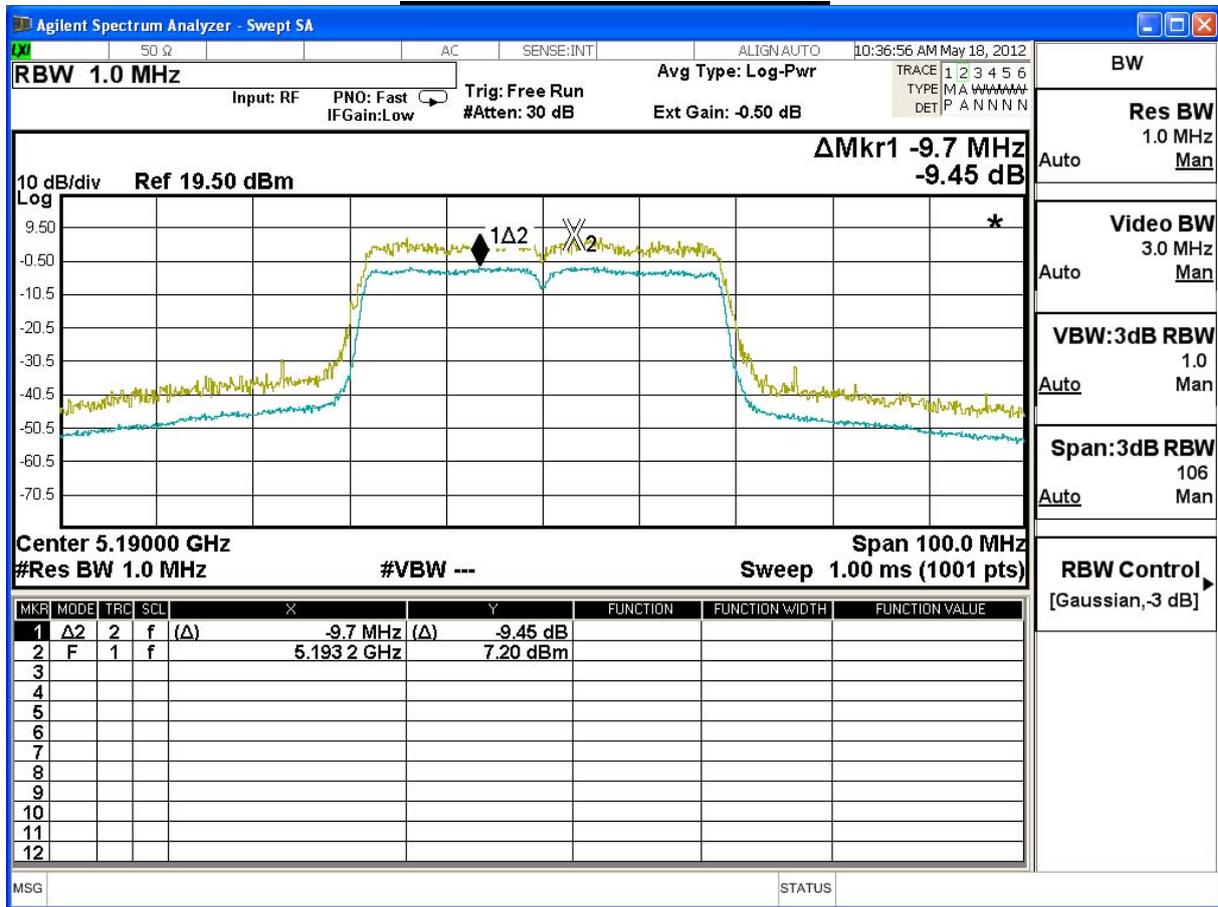
Power Excursion – Channel 46



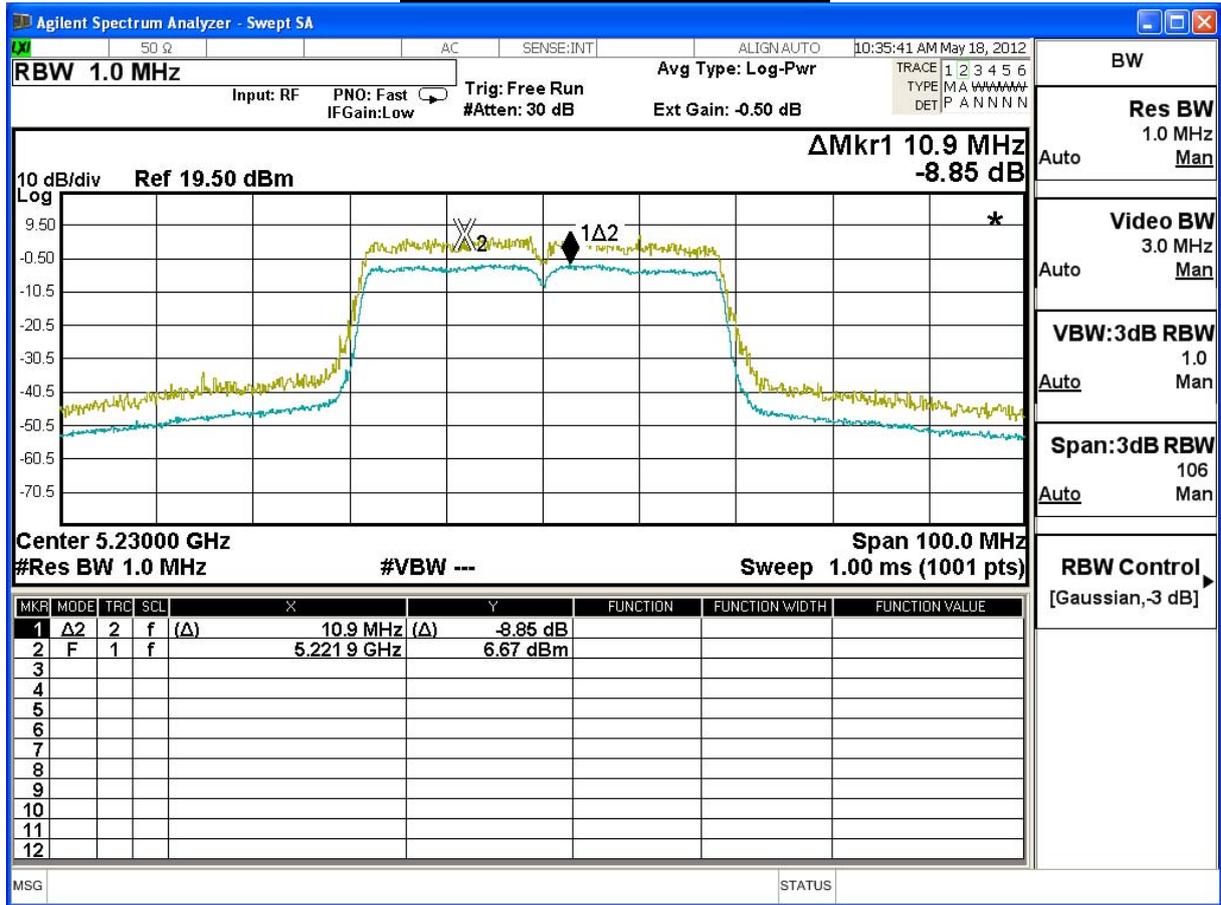
Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/18	Test Site	SR7

IEEE 802.11ac_40M(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
38	5190	9.45	≤ 13	Pass
46	5230	8.85	≤ 13	Pass

Power Excursion – Channel 38



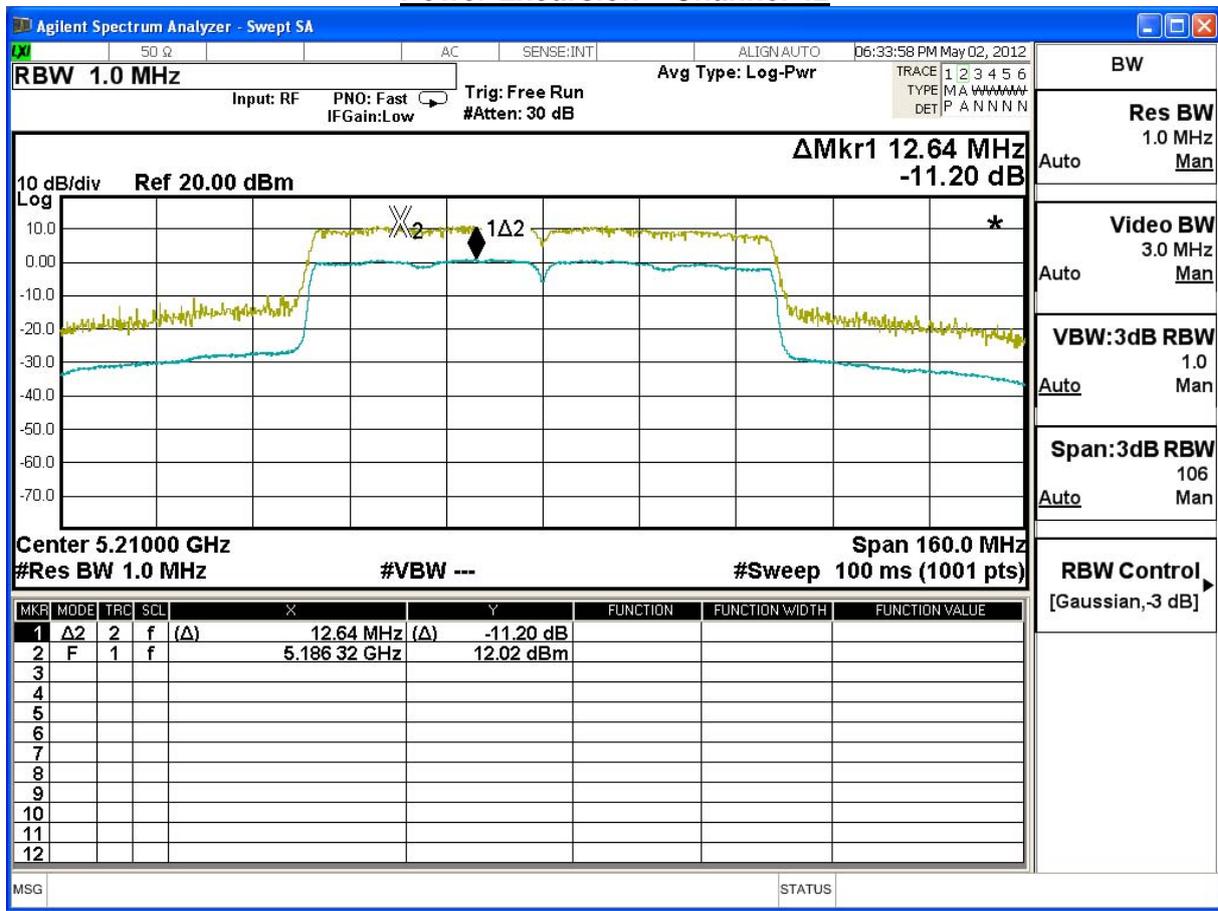
Power Excursion – Channel 46



Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/02	Test Site	SR7

IEEE 802.11ac_80M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
42	5210	11.20	≤ 13	Pass

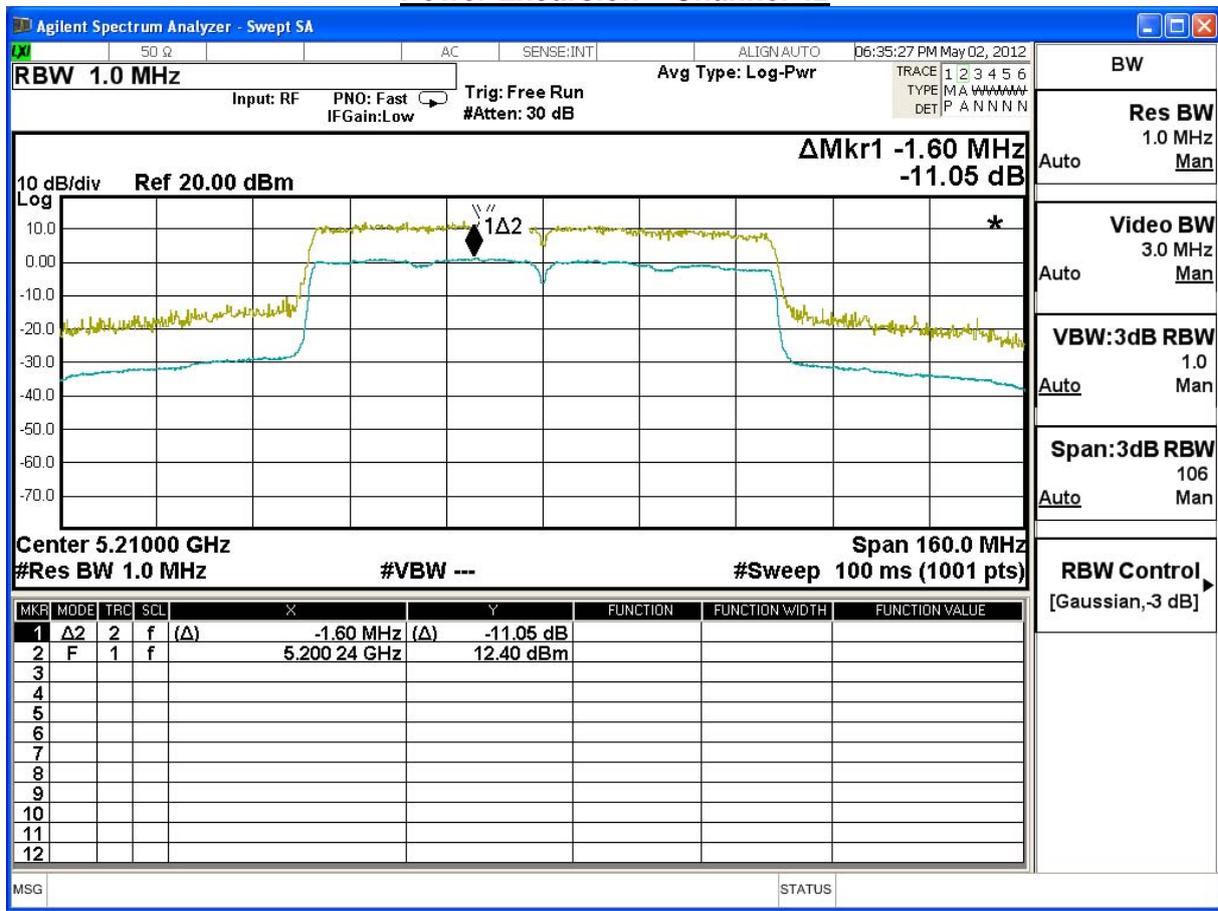
Power Excursion – Channel 42



Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/02	Test Site	SR7

IEEE 802.11ac_80M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
42	5210	11.05	≤ 13	Pass

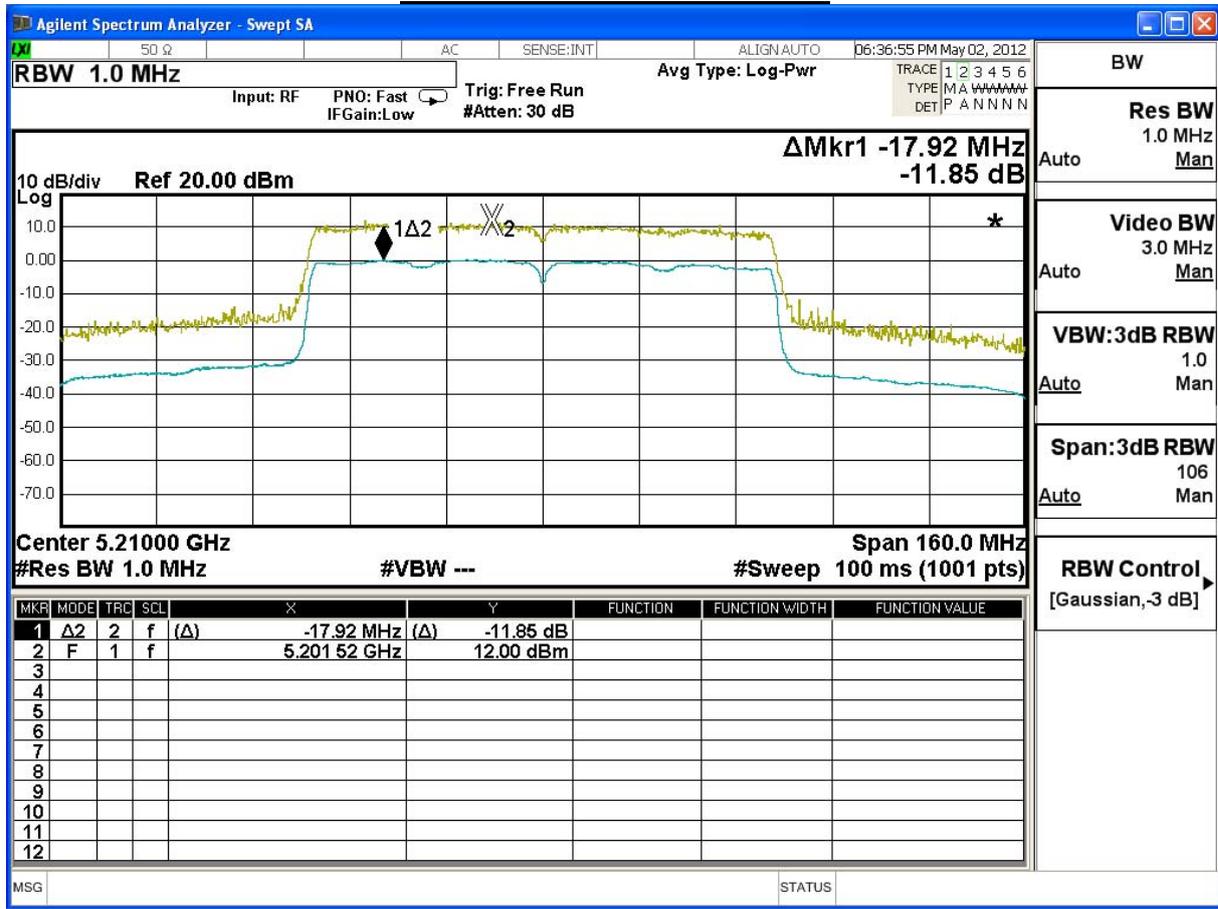
Power Excursion – Channel 42



Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH)		
Date of Test	2012/05/02	Test Site	SR7

IEEE 802.11ac_80M(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
42	5210	11.85	≤ 13	Pass

Power Excursion – Channel 42



7. Radiated Emission

7.1. Test Equipment

The following test equipments are used during the radiated emission test:

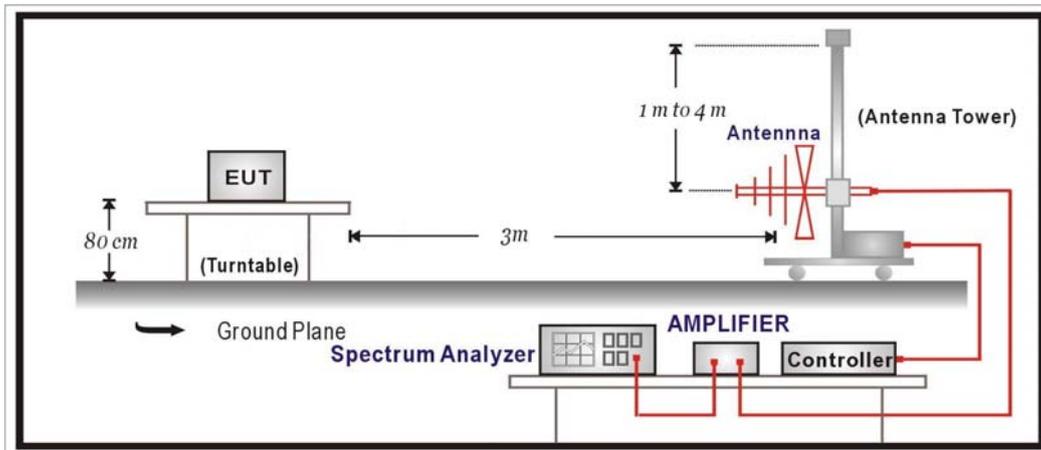
Radiated Emission / CB1

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

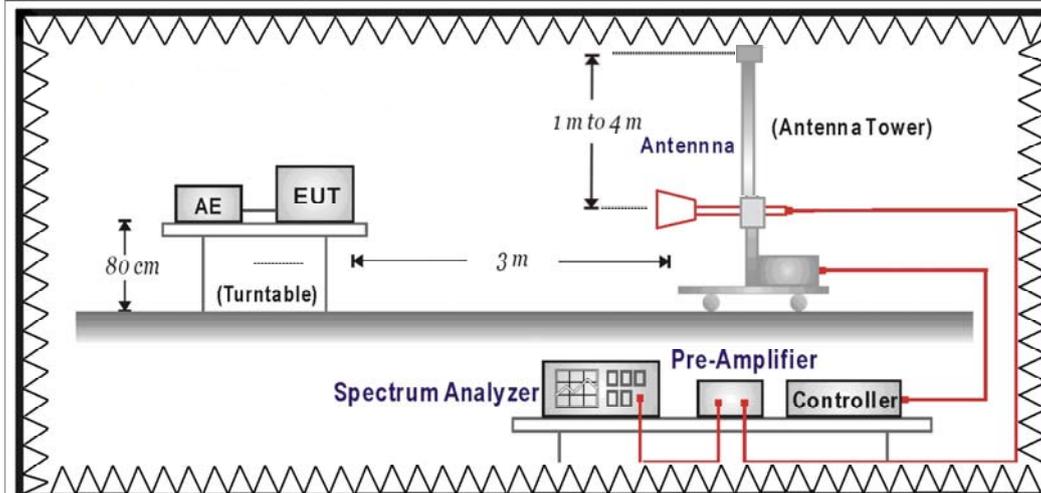
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

7.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



7.3. Limits

➤ **General Radiated Emission Limits**

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

➤ **Unwanted Emission out of the restricted bands Limits**

FCC Part 15 Subpart C Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (dBuV/m@3m)
5150~5250	-27	68.3
5250~5350	-27	68.3
5470~5725	-27	68.3
5725~5825	-27 (Note1)	68.3
	-17 (Note2)	78.3

Remark:

1. For frequencies more than 10 MHz above or below the band edges.
2. For frequency range from the band edges to 10 MHz above or below the band edges.
3. $uV/m = \frac{1000000\sqrt{30 \times EIRP}}{3}$, RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

7.4. Test Procedure

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.

The additional notch filter below 1GHz was used to measure the level of harmonics radiated emission during field strength of harmonics measurement.

The bandwidth below 1GHz setting on the field strength meter (R&S Test Receiver ESCS 30)is 120 KHz, above 1GHz are 1 MHz.

The frequency range from 30MHz to 10th harmonics is checked.

7.5. Uncertainty

The measurement uncertainty

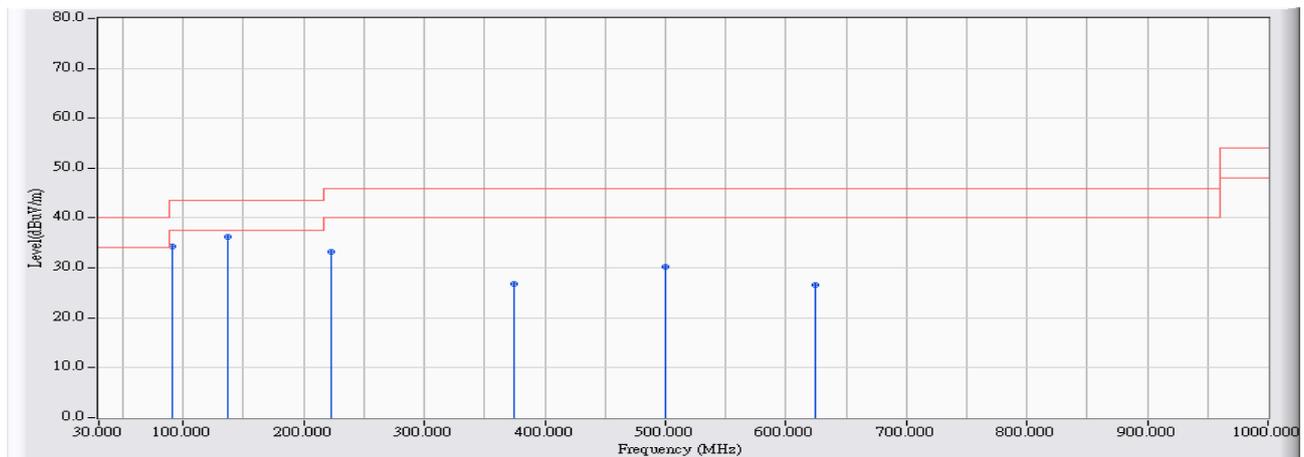
30MHz~1GHz as $\pm 3.43\text{dB}$

1GHz~26.5Ghz as $\pm 3.65\text{dB}$

7.6. Test Result

30MHz-1GHz Spurious

Site : CB1	Time : 2012/04/23 - 14:59
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) 5220MHz,802.11a

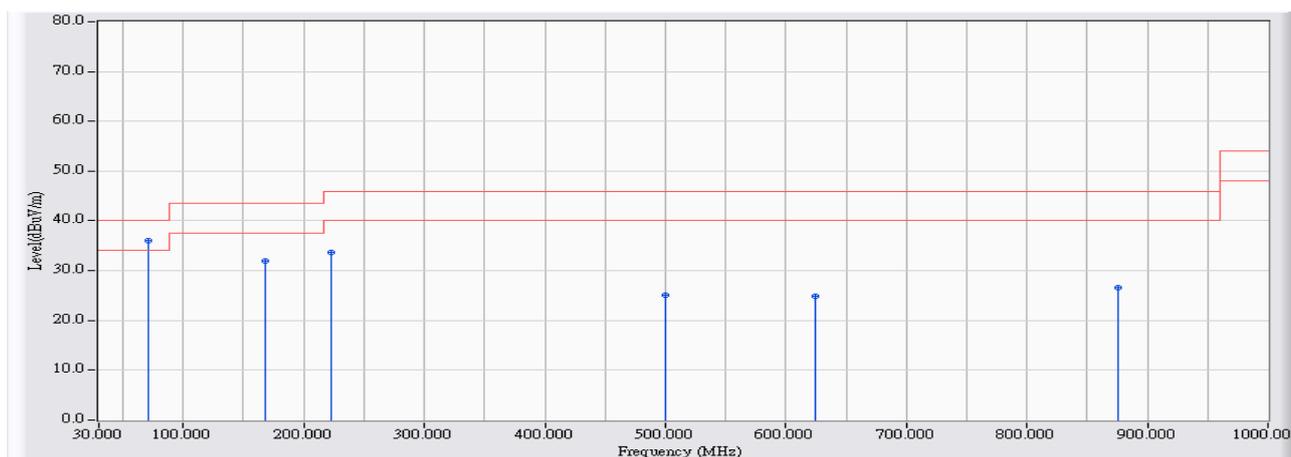


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	91.433	-15.363	49.618	34.255	-9.245	43.500	QUASPEAK
2	* 136.700	-12.755	49.052	36.297	-7.203	43.500	QUASPEAK
3	222.383	-13.082	46.226	33.144	-12.856	46.000	QUASPEAK
4	374.350	-8.111	34.974	26.863	-19.137	46.000	QUASPEAK
5	500.450	-5.372	35.716	30.345	-15.655	46.000	QUASPEAK
6	624.933	-4.207	30.713	26.506	-19.494	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 - 15:03
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) 5220MHz,802.11a

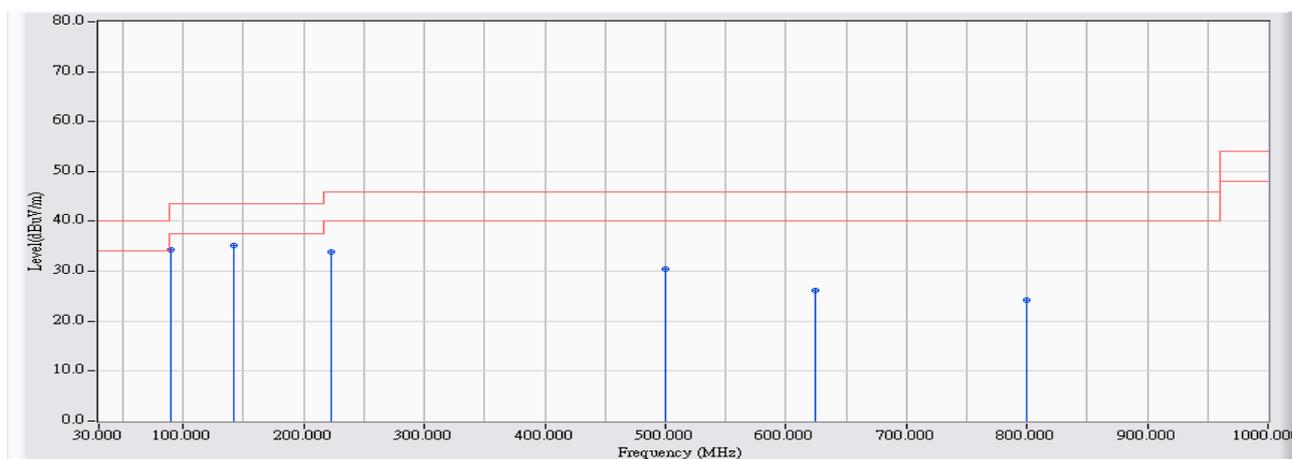


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	70.417	-17.720	53.748	36.028	-3.972	40.000	QUASPEAK
2		167.417	-14.224	46.157	31.933	-11.567	43.500	QUASPEAK
3		222.383	-13.082	46.782	33.700	-12.300	46.000	QUASPEAK
4		500.450	-5.372	30.439	25.068	-20.932	46.000	QUASPEAK
5		624.933	-4.207	29.161	24.954	-21.046	46.000	QUASPEAK
6		875.517	-2.164	28.685	26.521	-19.479	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 - 15:09
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) 5220MHz,802.11n(20M)

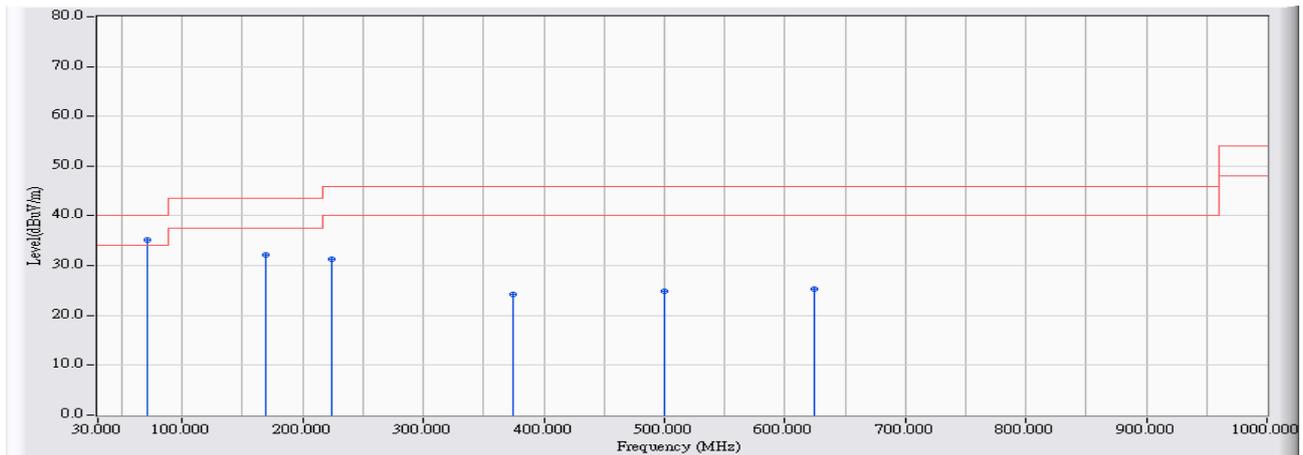


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	89.817	-15.688	50.051	34.363	-9.137	43.500	QUASPEAK
2	* 141.550	-13.023	48.283	35.259	-8.241	43.500	QUASPEAK
3	222.383	-13.082	46.941	33.859	-12.141	46.000	QUASPEAK
4	500.450	-5.372	35.749	30.378	-15.622	46.000	QUASPEAK
5	624.933	-4.207	30.319	26.112	-19.888	46.000	QUASPEAK
6	799.533	-2.655	26.803	24.148	-21.852	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 - 15:13
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) 5220MHz,802.11n(20M)

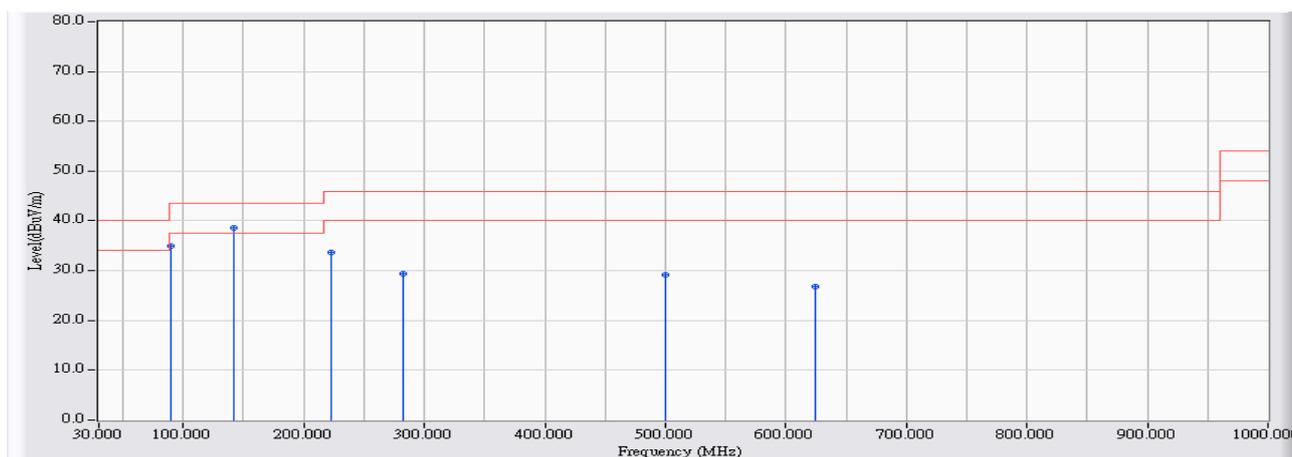


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	70.417	-17.720	52.822	35.102	-4.898	40.000	QUASPEAK
2		169.033	-14.286	46.531	32.244	-11.256	43.500	QUASPEAK
3		224.000	-12.963	44.318	31.354	-14.646	46.000	QUASPEAK
4		374.350	-8.111	32.285	24.174	-21.826	46.000	QUASPEAK
5		500.450	-5.372	30.249	24.878	-21.122	46.000	QUASPEAK
6		624.933	-4.207	29.425	25.218	-20.782	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/04/23 - 15:19
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) 5190MHz,802.11n(40M)

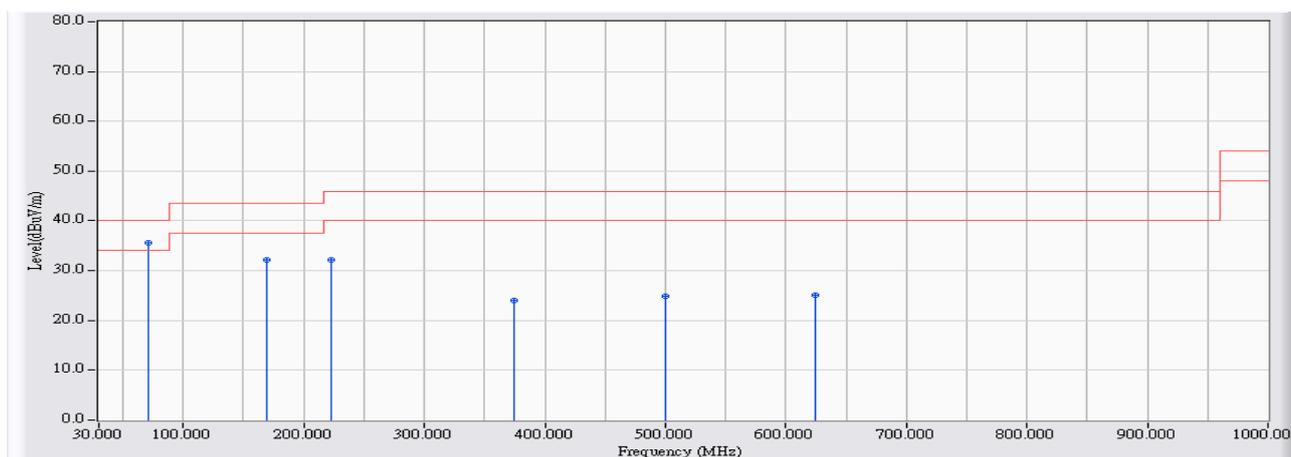


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	89.817	-15.688	50.693	35.005	-8.495	43.500	QUASPEAK
2	* 141.550	-13.023	51.681	38.657	-4.843	43.500	QUASPEAK
3	222.383	-13.082	46.824	33.742	-12.258	46.000	QUASPEAK
4	282.200	-10.556	39.936	29.381	-16.619	46.000	QUASPEAK
5	500.450	-5.372	34.531	29.160	-16.840	46.000	QUASPEAK
6	624.933	-4.207	30.925	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 : 2012/04/23 - 15:23
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) 5190MHz,802.11n(40M)

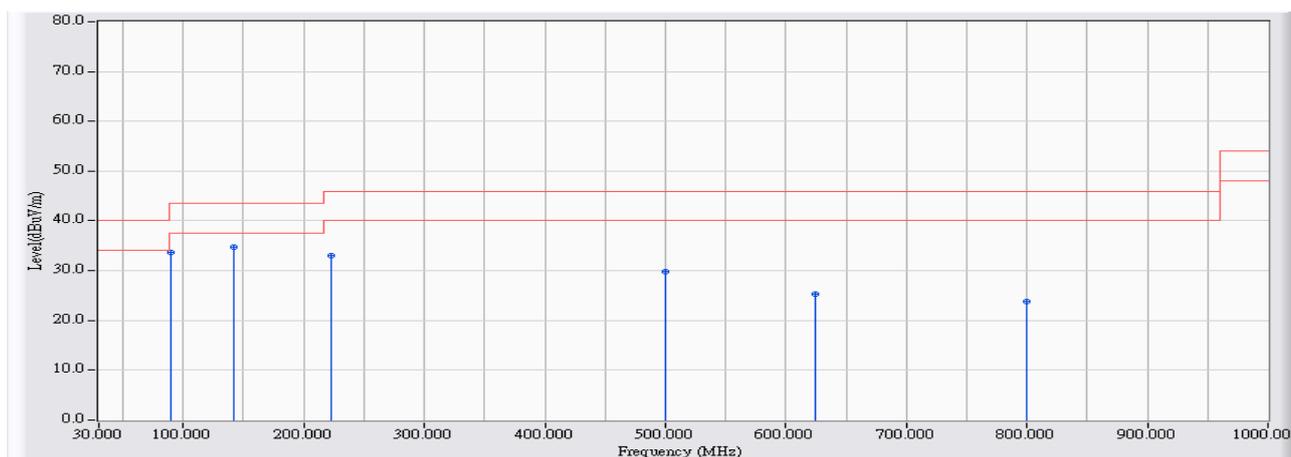


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	70.417	-17.720	53.239	35.519	-4.481	40.000	QUASPEAK
2		169.033	-14.286	46.551	32.264	-11.236	43.500	QUASPEAK
3		222.383	-13.082	45.298	32.216	-13.784	46.000	QUASPEAK
4		374.350	-8.111	32.100	23.989	-22.011	46.000	QUASPEAK
5		500.450	-5.372	30.295	24.924	-21.076	46.000	QUASPEAK
6		624.933	-4.207	29.212	25.005	-20.995	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 - 22:15
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)5220MHz,802.11ac(20M)

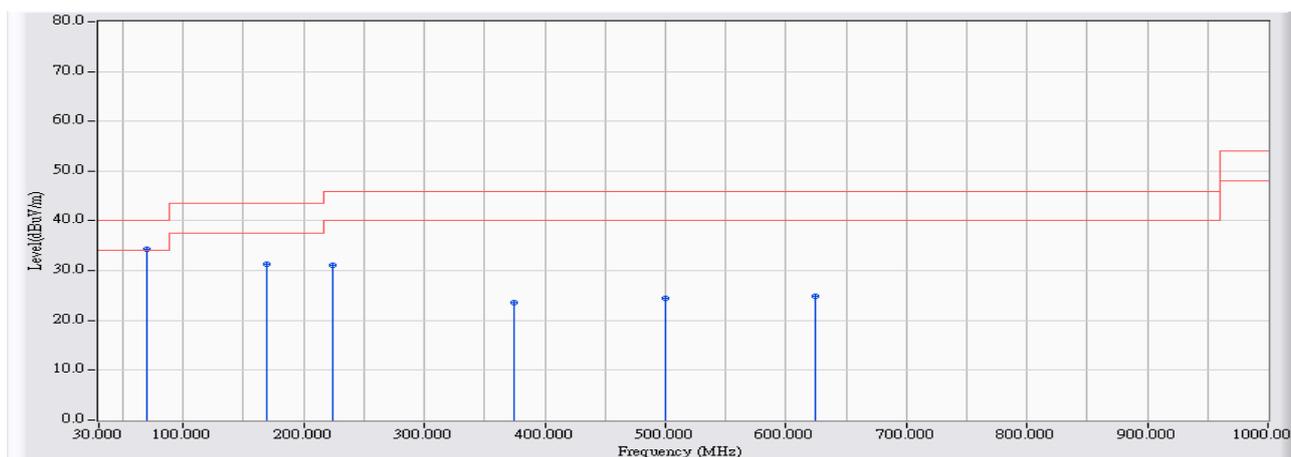


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	89.808	-15.688	49.265	33.577	-9.923	43.500	QUASPEAK
2	* 141.550	-13.023	47.675	34.652	-8.848	43.500	QUASPEAK
3	222.376	-13.082	46.122	33.040	-12.960	46.000	QUASPEAK
4	500.445	-5.372	35.160	29.788	-16.212	46.000	QUASPEAK
5	624.925	-4.207	29.478	25.271	-20.729	46.000	QUASPEAK
6	799.524	-2.655	26.515	23.860	-22.140	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 - 22:15
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) 5220MHz,802.11ac(20M)

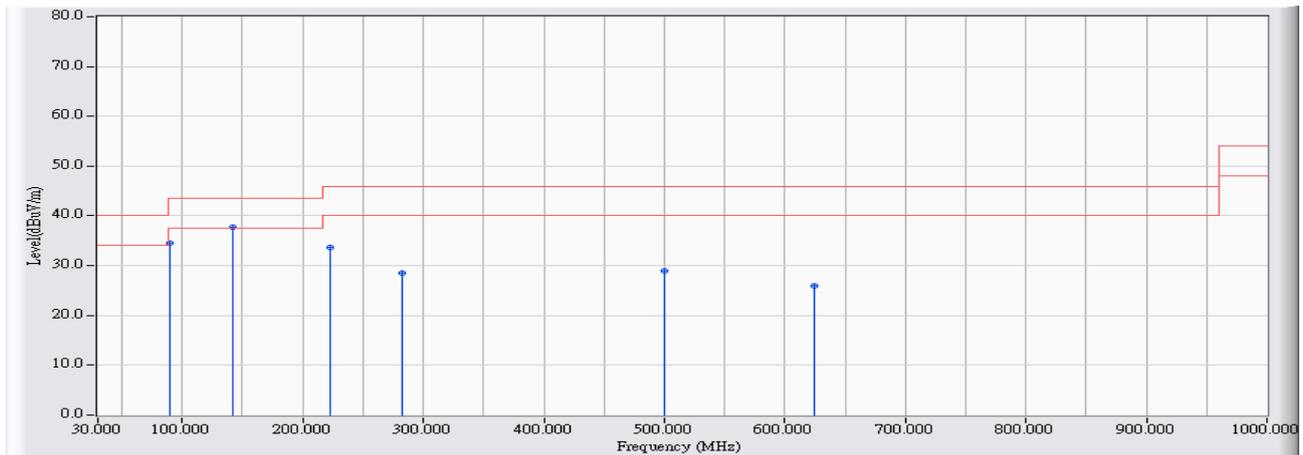


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	70.407	-17.720	52.075	34.355	-5.645	40.000	QUASPEAK
2		169.025	-14.286	45.667	31.381	-12.119	43.500	QUASPEAK
3		224.004	-12.963	44.028	31.065	-14.935	46.000	QUASPEAK
4		374.352	-8.111	31.644	23.533	-22.467	46.000	QUASPEAK
5		500.443	-5.372	29.740	24.368	-21.632	46.000	QUASPEAK
6		624.934	-4.207	28.985	24.778	-21.222	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 - 22:15
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) 5190MHz,802.11ac(40M)

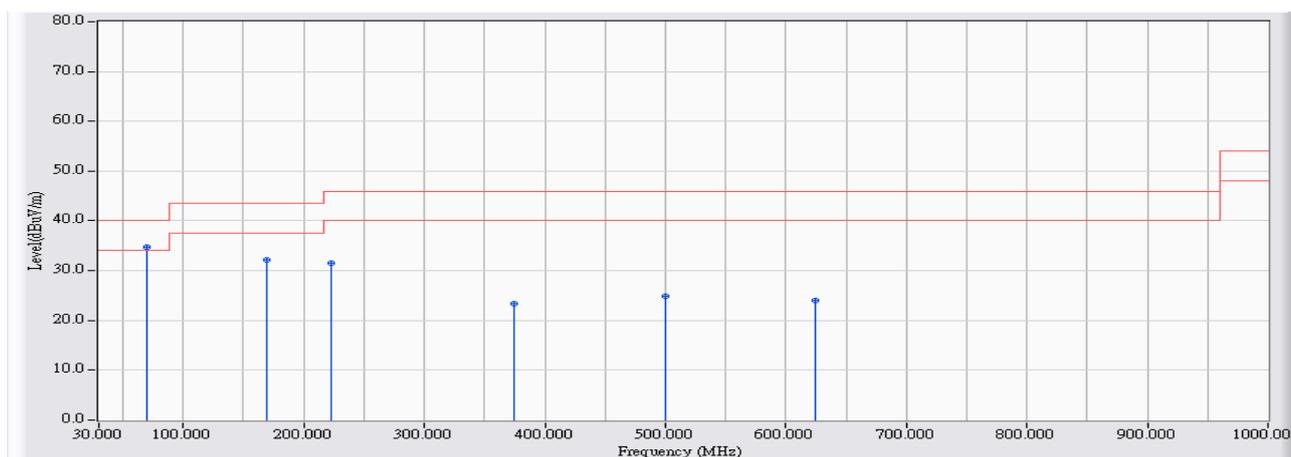


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	89.818	-15.688	50.297	34.609	-8.891	43.500	QUASPEAK
2	* 141.554	-13.023	50.828	37.805	-5.695	43.500	QUASPEAK
3	222.376	-13.082	46.704	33.622	-12.378	46.000	QUASPEAK
4	282.204	-10.556	39.068	28.512	-17.488	46.000	QUASPEAK
5	500.444	-5.372	34.318	28.946	-17.054	46.000	QUASPEAK
6	624.925	-4.207	30.081	25.874	-20.126	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 - 22:15
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) 5190MHz,802.11ac(40M)

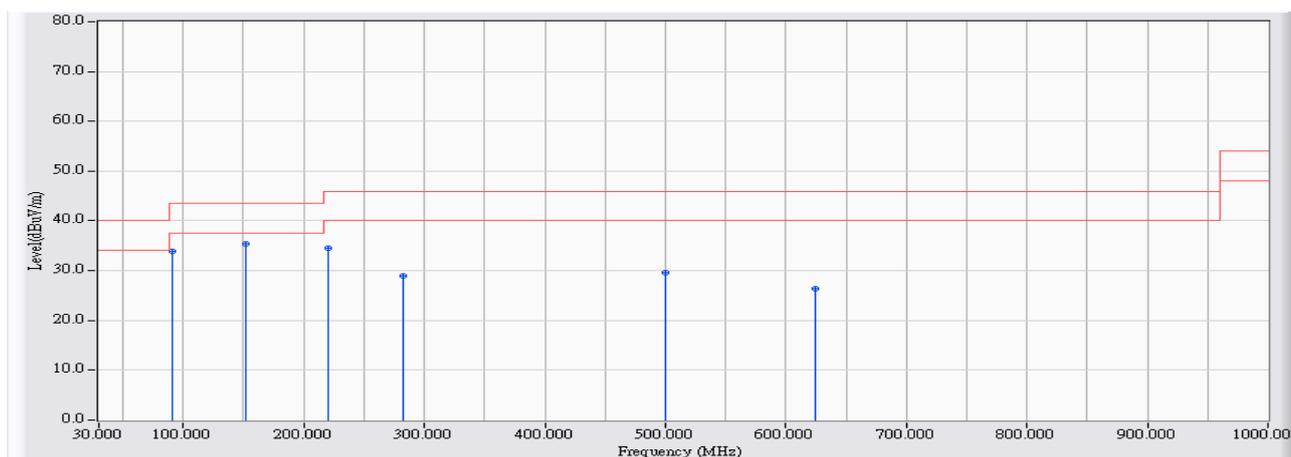


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	70.410	-17.720	52.429	34.709	-5.291	40.000	QUASPEAK
2		169.035	-14.286	46.480	32.194	-11.306	43.500	QUASPEAK
3		222.383	-13.082	44.562	31.480	-14.520	46.000	QUASPEAK
4		374.353	-8.111	31.485	23.374	-22.626	46.000	QUASPEAK
5		500.443	-5.372	30.169	24.797	-21.203	46.000	QUASPEAK
6		624.934	-4.207	28.251	24.044	-21.956	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 - 15:29
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) 5210MHz,802.11ac(80M)

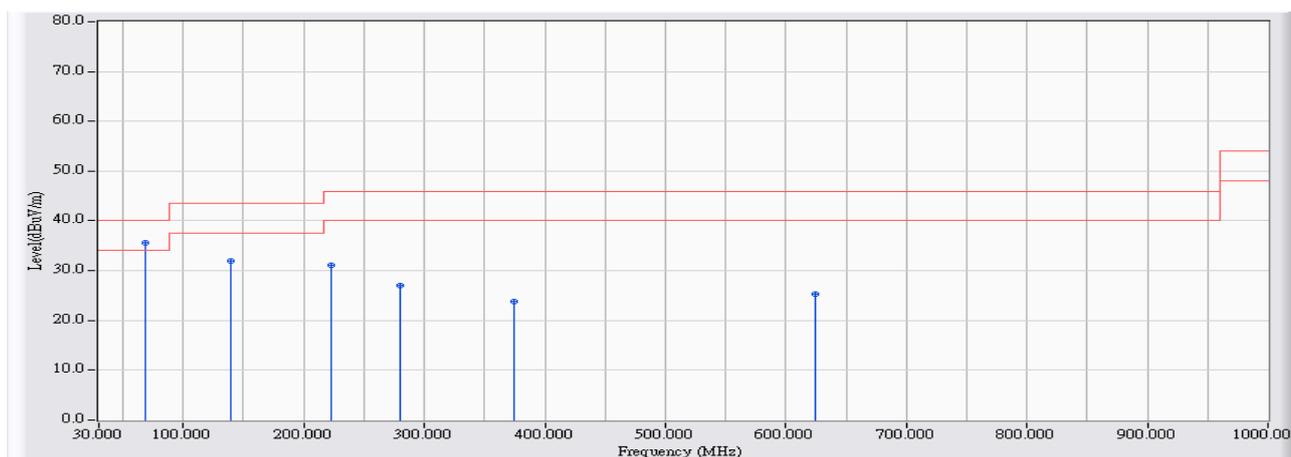


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	91.433	-15.363	49.287	33.924	-9.576	43.500	QUASPEAK
2	* 151.250	-13.510	48.799	35.289	-8.211	43.500	QUASPEAK
3	220.767	-13.199	47.631	34.432	-11.568	46.000	QUASPEAK
4	282.200	-10.556	39.490	28.935	-17.065	46.000	QUASPEAK
5	500.450	-5.372	35.019	29.648	-16.352	46.000	QUASPEAK
6	624.933	-4.207	30.663	26.456	-19.544	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 - 15:34
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) 5210MHz,802.11ac(80M)

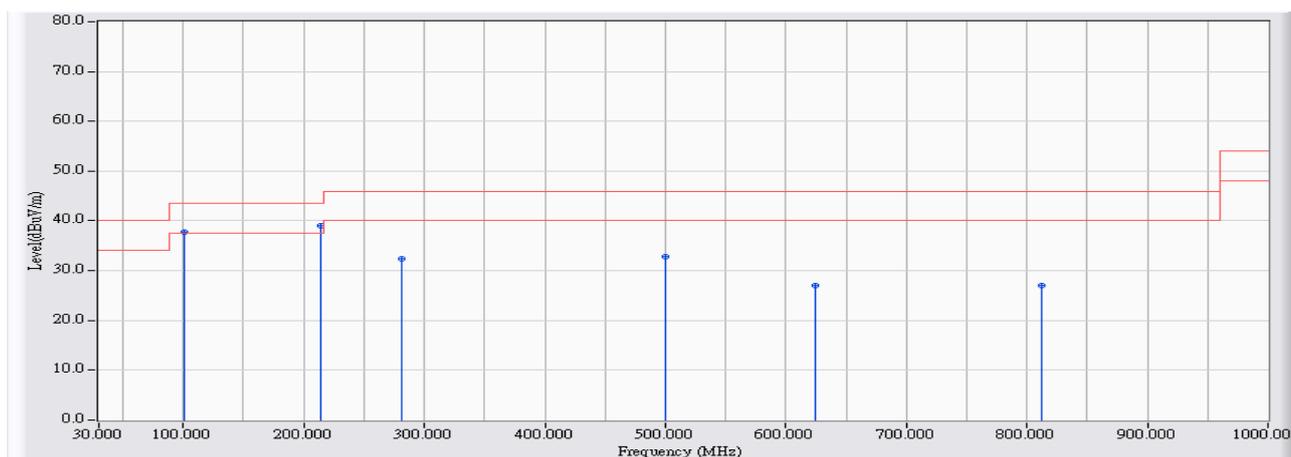


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	68.800	-17.759	53.399	35.639	-4.361	40.000	QUASPEAK
2		139.933	-12.941	44.981	32.041	-11.459	43.500	QUASPEAK
3		222.383	-13.082	44.207	31.125	-14.875	46.000	QUASPEAK
4		280.583	-10.580	37.520	26.939	-19.061	46.000	QUASPEAK
5		374.350	-8.111	32.016	23.905	-22.095	46.000	QUASPEAK
6		624.933	-4.207	29.409	25.202	-20.798	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 - 09:29
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) 5220MHz,802.11a

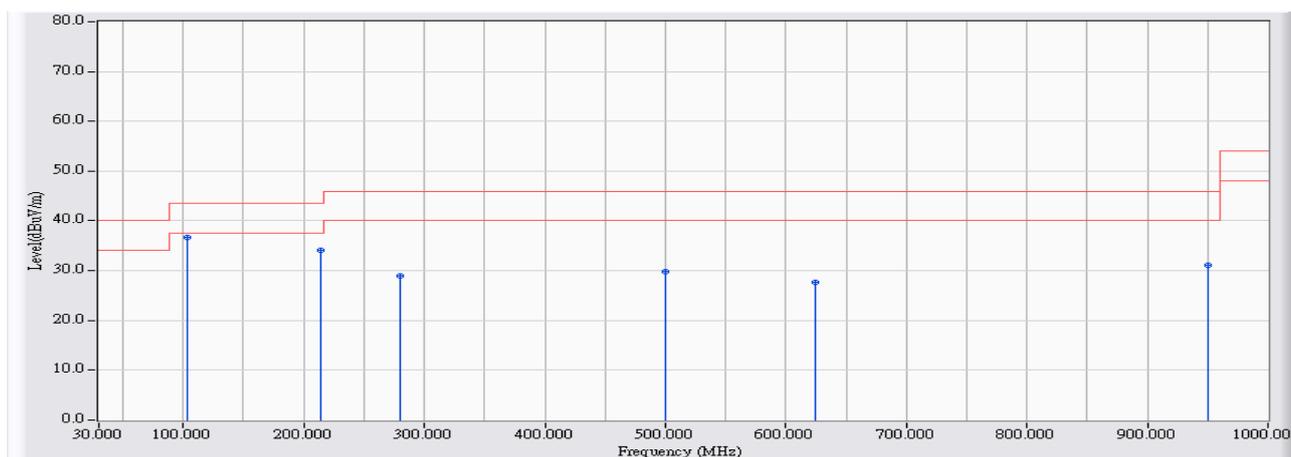


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.127	-13.425	51.128	37.703	-5.797	43.500	QUASPEAK
2	* 214.300	-13.672	52.625	38.953	-4.547	43.500	QUASPEAK
3	280.586	-10.580	42.937	32.357	-13.643	46.000	QUASPEAK
4	500.450	-5.372	38.256	32.884	-13.116	46.000	QUASPEAK
5	624.934	-4.207	31.213	27.006	-18.994	46.000	QUASPEAK
6	812.461	-2.568	29.630	27.062	-18.938	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 - 09:29
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) 5220MHz,802.11a

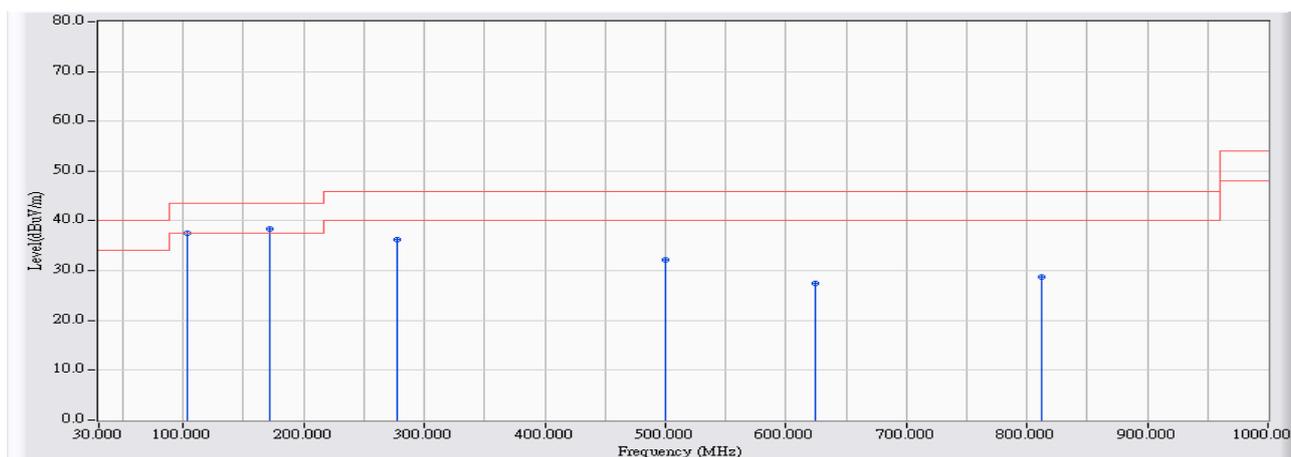


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	102.755	-13.285	50.046	36.761	-6.739	43.500	QUASPEAK
2		214.294	-13.672	47.762	34.090	-9.410	43.500	QUASPEAK
3		280.574	-10.580	39.532	28.952	-17.048	46.000	QUASPEAK
4		500.453	-5.372	35.157	29.785	-16.215	46.000	QUASPEAK
5		624.934	-4.207	31.884	27.677	-18.323	46.000	QUASPEAK
6		949.876	-1.448	32.623	31.175	-14.825	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 - 09:29
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) 5220MHz,802.11n(20M)

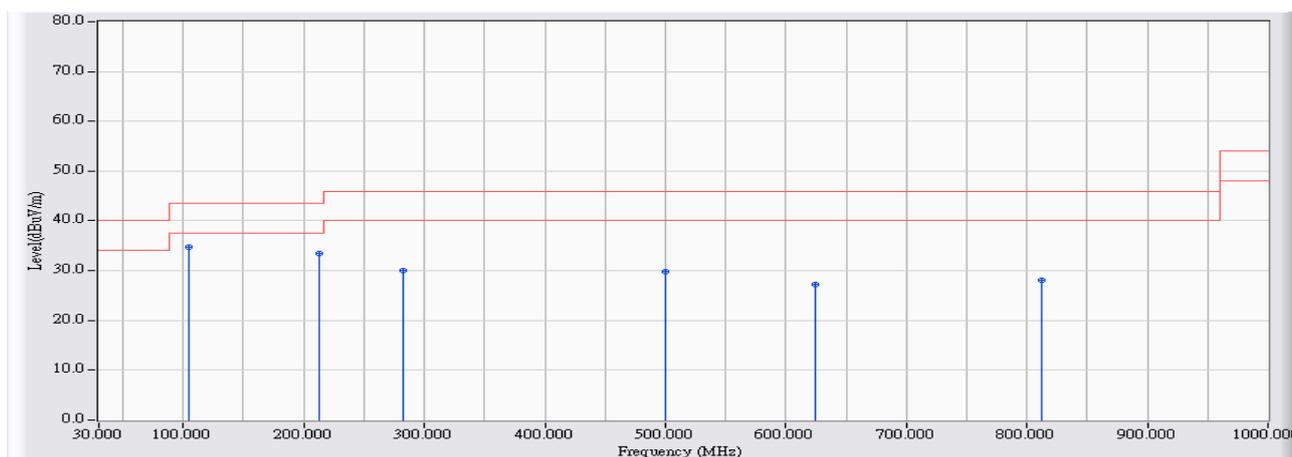


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	102.754	-13.285	50.719	37.434	-6.066	43.500	QUASPEAK
2	* 172.270	-14.414	52.907	38.493	-5.007	43.500	QUASPEAK
3	277.342	-10.633	46.957	36.324	-9.676	46.000	QUASPEAK
4	500.454	-5.372	37.455	32.083	-13.917	46.000	QUASPEAK
5	624.936	-4.207	31.630	27.423	-18.577	46.000	QUASPEAK
6	812.467	-2.568	31.312	28.744	-17.256	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 - 09:30
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) 5220MHz,802.11n(20M)

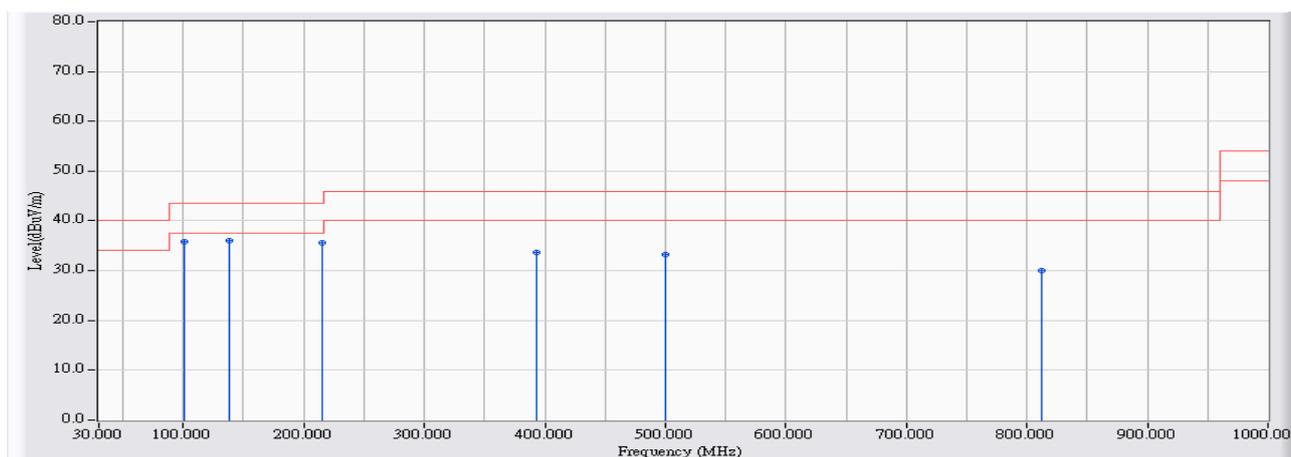


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	104.358	-13.145	47.825	34.680	-8.820	43.500	QUASPEAK
2		212.687	-13.789	47.329	33.540	-9.960	43.500	QUASPEAK
3		282.195	-10.556	40.556	30.000	-16.000	46.000	QUASPEAK
4		500.442	-5.372	35.138	29.766	-16.234	46.000	QUASPEAK
5		624.927	-4.207	31.394	27.187	-18.813	46.000	QUASPEAK
6		812.460	-2.568	30.696	28.128	-17.872	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 - 09:30
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 2: Transmit (Adapter: AD82030) 5190MHz,802.11n(40M)

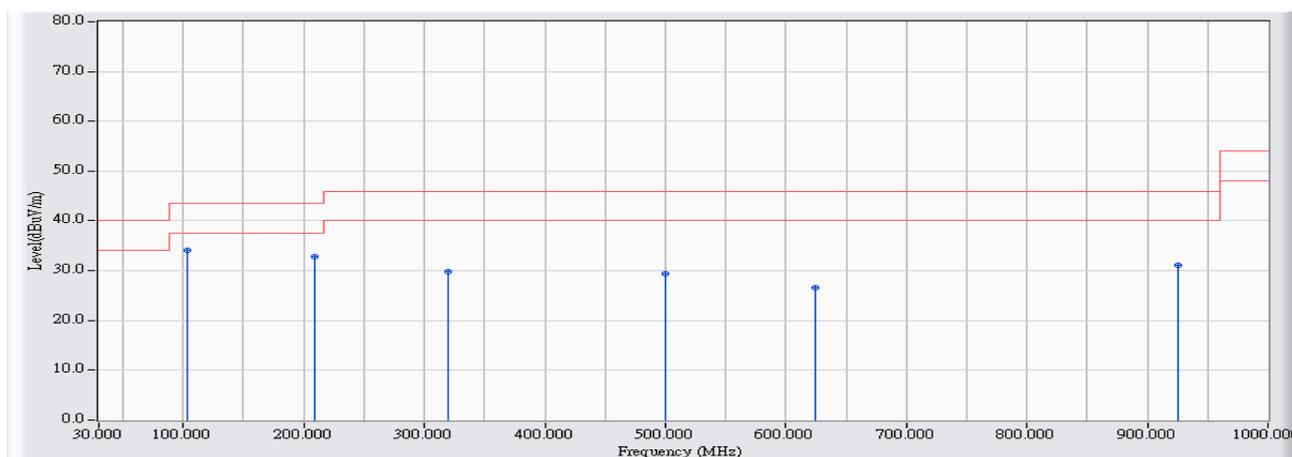


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.135	-13.425	49.344	35.919	-7.581	43.500	QUASPEAK
2	* 138.310	-12.849	48.821	35.972	-7.528	43.500	QUASPEAK
3	215.909	-13.554	49.086	35.532	-7.968	43.500	QUASPEAK
4	393.741	-7.551	41.136	33.585	-12.415	46.000	QUASPEAK
5	500.453	-5.372	38.709	33.337	-12.663	46.000	QUASPEAK
6	812.471	-2.568	32.646	30.078	-15.922	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 - 09:30
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) 5190MHz,802.11n(40M)

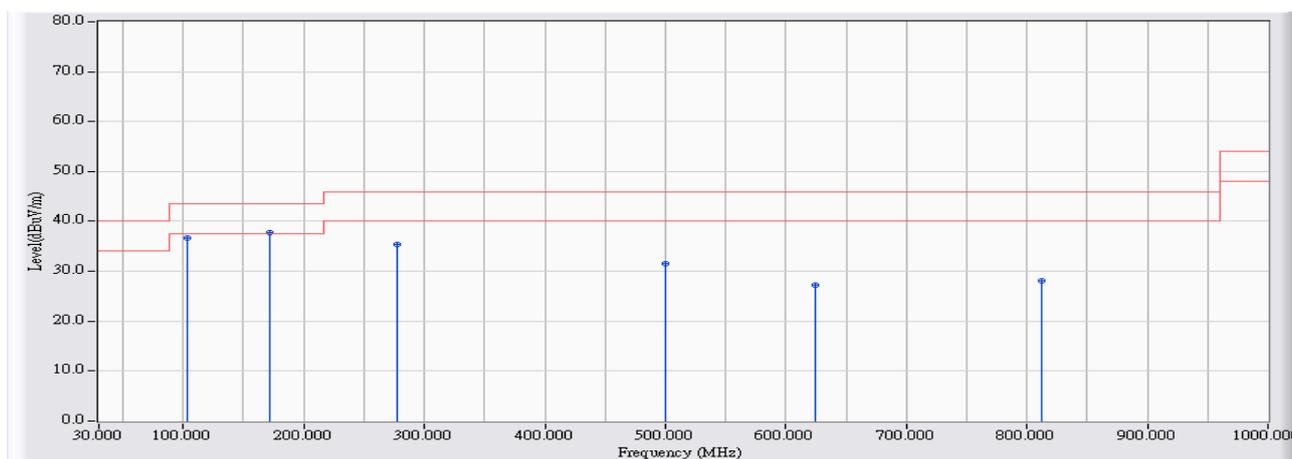


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	102.753	-13.285	47.315	34.030	-9.470	43.500	QUASPEAK
2		209.453	-14.026	46.749	32.723	-10.777	43.500	QUASPEAK
3		319.375	-9.707	39.541	29.834	-16.166	46.000	QUASPEAK
4		500.454	-5.372	34.735	29.363	-16.637	46.000	QUASPEAK
5		624.934	-4.207	30.774	26.567	-19.433	46.000	QUASPEAK
6		925.626	-1.722	32.741	31.019	-14.981	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 - 22:15
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) 5220MHz,802.11ac(20M)

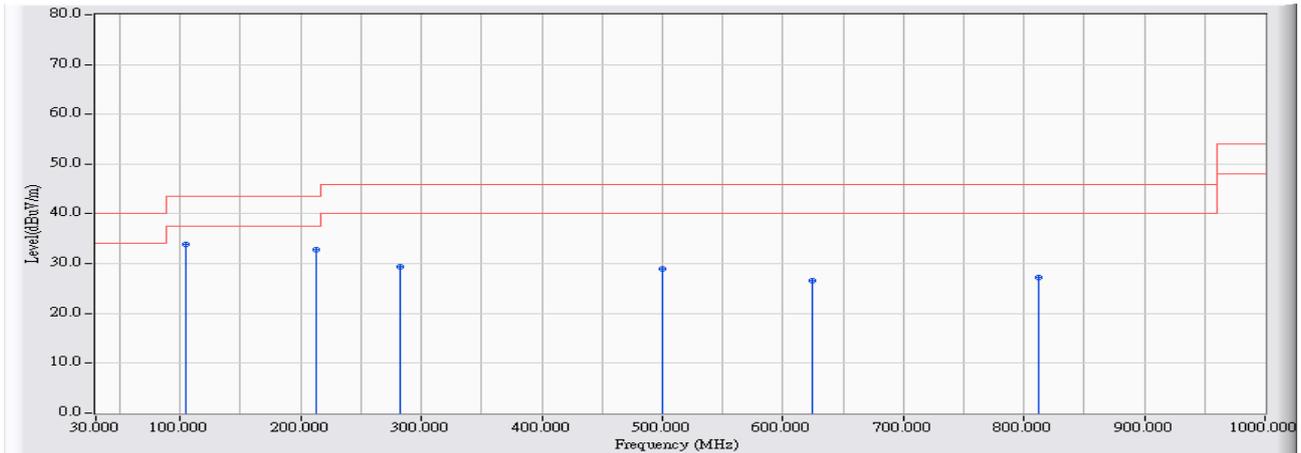


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	102.758	-13.285	49.908	36.623	-6.877	43.500	QUASPEAK
2	* 172.274	-14.414	52.234	37.820	-5.680	43.500	QUASPEAK
3	277.335	-10.633	46.002	35.369	-10.631	46.000	QUASPEAK
4	500.457	-5.372	36.876	31.504	-14.496	46.000	QUASPEAK
5	624.930	-4.207	31.478	27.271	-18.729	46.000	QUASPEAK
6	812.460	-2.568	30.694	28.126	-17.874	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 - 22:15
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) 5220MHz,802.11ac(20M)

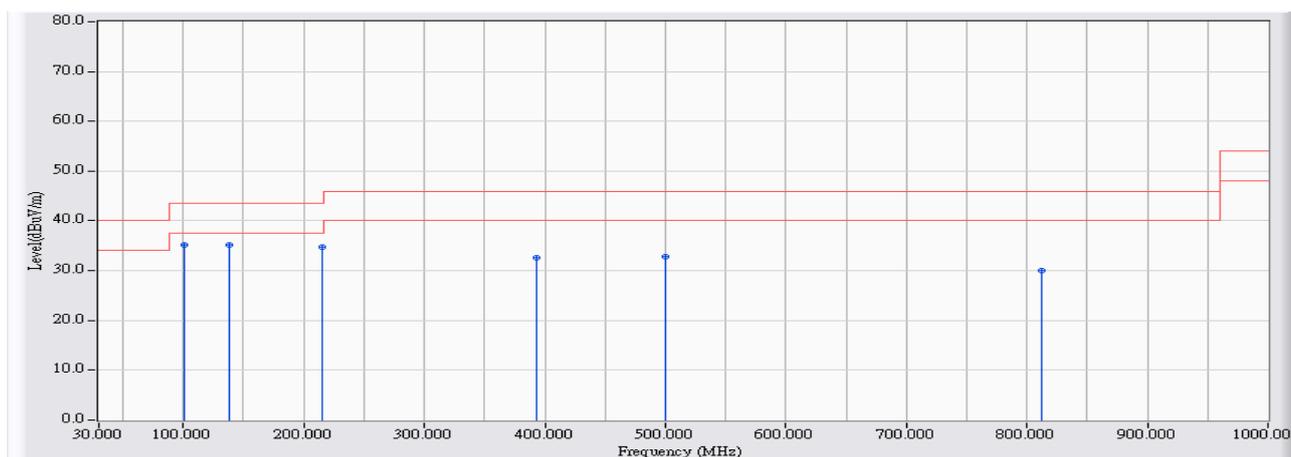


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	104.349	-13.145	46.976	33.831	-9.669	43.500	QUASPEAK
2		212.679	-13.789	46.584	32.795	-10.705	43.500	QUASPEAK
3		282.187	-10.556	40.003	29.447	-16.553	46.000	QUASPEAK
4		500.434	-5.372	34.263	28.891	-17.109	46.000	QUASPEAK
5		624.920	-4.207	30.865	26.658	-19.342	46.000	QUASPEAK
6		812.460	-2.568	29.898	27.330	-18.670	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 - 22:15
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) 5190MHz,802.11ac(40M)

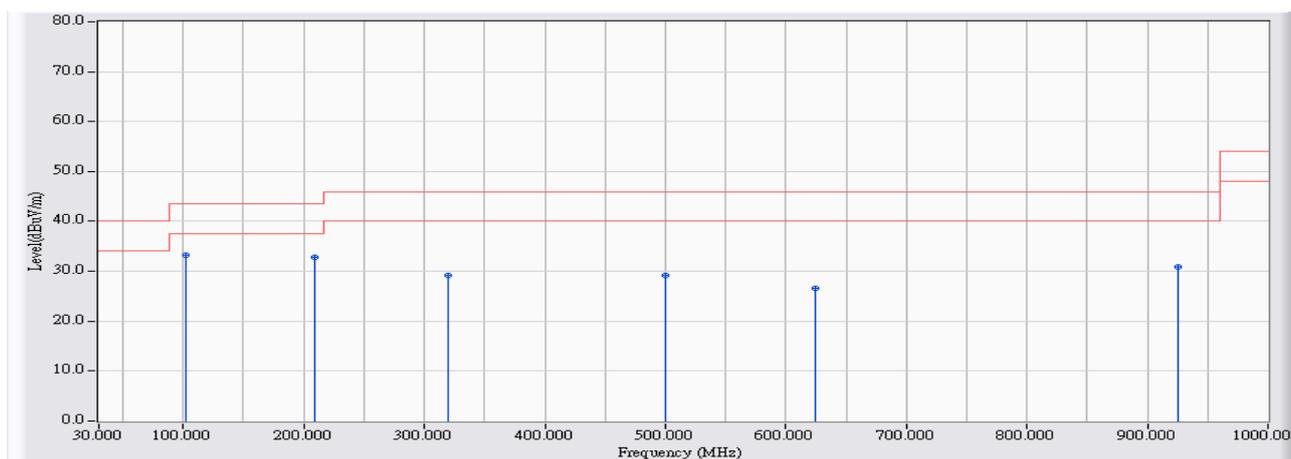


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.127	-13.425	48.578	35.153	-8.347	43.500	QUASPEAK
2	* 138.312	-12.849	48.111	35.262	-8.238	43.500	QUASPEAK
3	215.911	-13.554	48.235	34.681	-8.819	43.500	QUASPEAK
4	393.744	-7.551	40.252	32.701	-13.299	46.000	QUASPEAK
5	500.454	-5.372	38.194	32.822	-13.178	46.000	QUASPEAK
6	812.472	-2.568	32.488	29.920	-16.080	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 - 22:15
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) 5190MHz,802.11ac(40M)

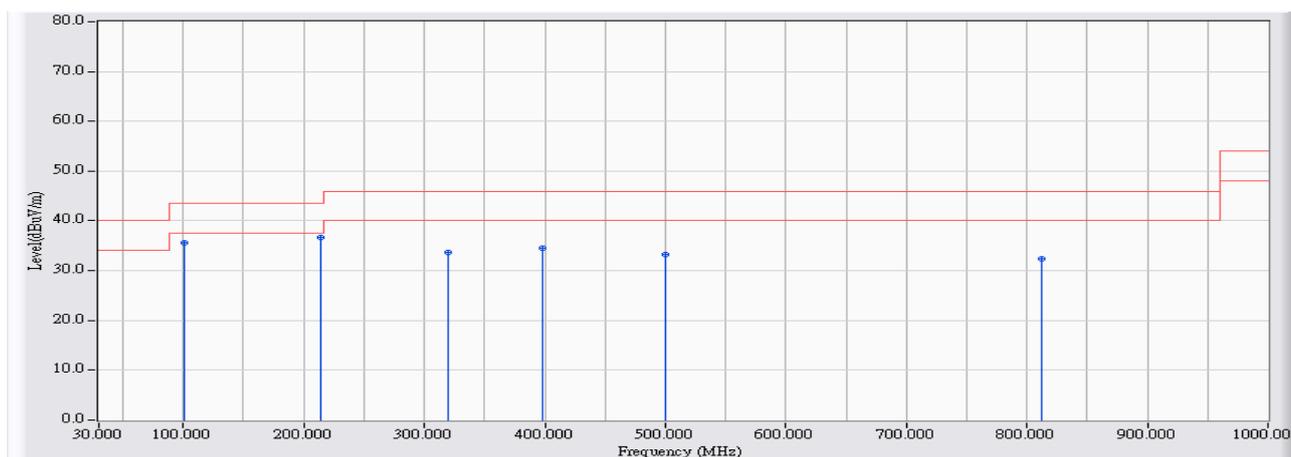


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	102.745	-13.285	46.430	33.145	-10.355	43.500	QUASPEAK
2		209.447	-14.026	46.741	32.715	-10.785	43.500	QUASPEAK
3		319.366	-9.707	38.804	29.097	-16.903	46.000	QUASPEAK
4		500.446	-5.372	34.497	29.125	-16.875	46.000	QUASPEAK
5		624.929	-4.207	30.755	26.548	-19.452	46.000	QUASPEAK
6		925.630	-1.722	32.539	30.817	-15.183	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 - 09:30
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 2: Transmit (Adapter: AD82030) 5210MHz,802.11ac(80M)

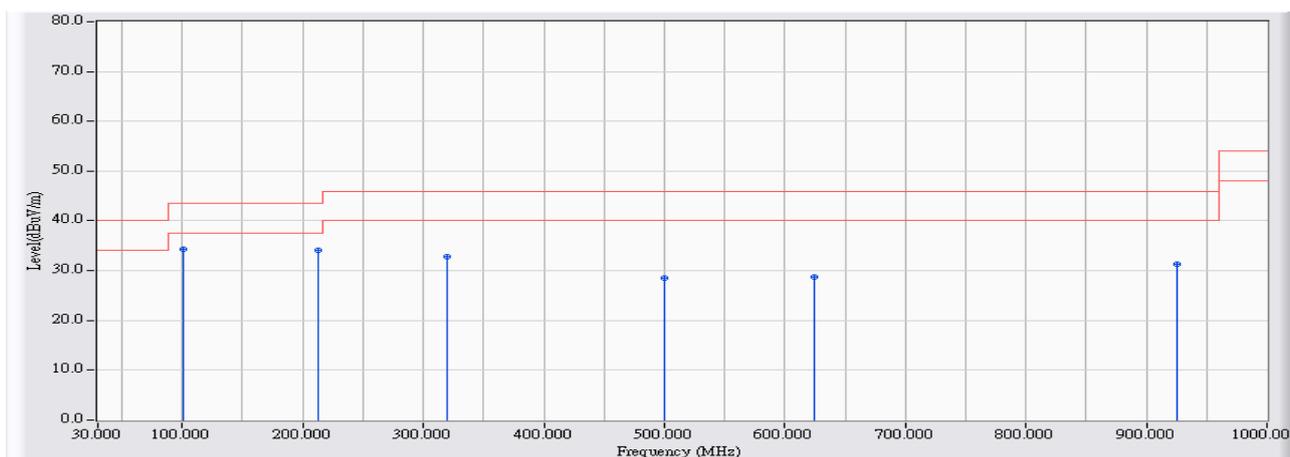


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.133	-13.425	48.992	35.567	-7.933	43.500	QUASPEAK
2	* 214.291	-13.672	50.412	36.740	-6.760	43.500	QUASPEAK
3	319.374	-9.707	43.425	33.718	-12.282	46.000	QUASPEAK
4	398.603	-7.411	41.865	34.454	-11.546	46.000	QUASPEAK
5	500.451	-5.372	38.574	33.202	-12.798	46.000	QUASPEAK
6	812.458	-2.568	34.936	32.368	-13.632	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 - 09:30
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) 5210MHz,802.11ac(80M)



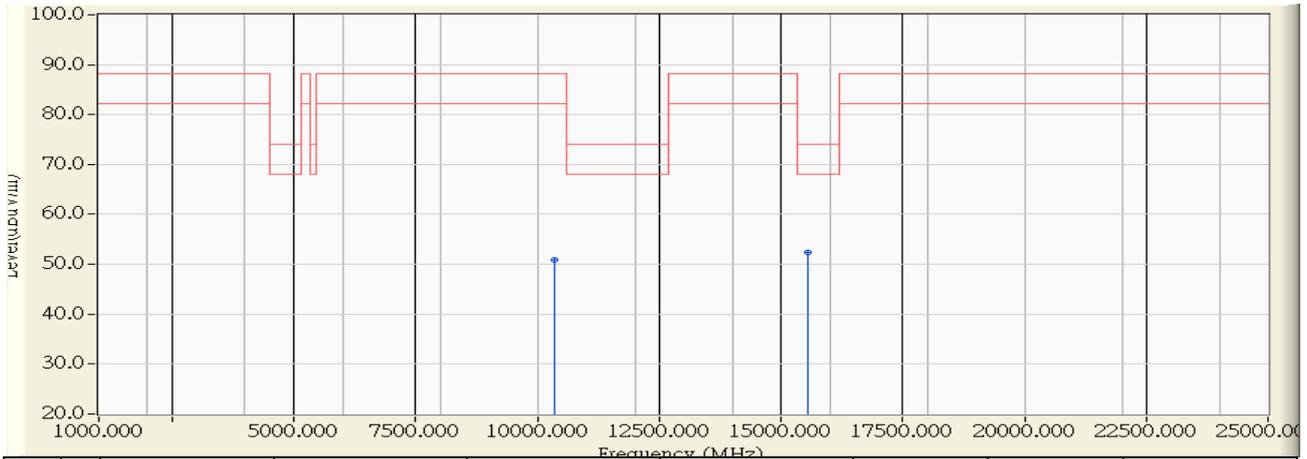
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	101.137	-13.425	47.679	34.254	-9.246	43.500	QUASPEAK
2		212.676	-13.789	47.863	34.074	-9.426	43.500	QUASPEAK
3		319.384	-9.707	42.444	32.737	-13.263	46.000	QUASPEAK
4		500.451	-5.372	34.002	28.630	-17.370	46.000	QUASPEAK
5		624.925	-4.207	32.885	28.678	-17.322	46.000	QUASPEAK
6		925.635	-1.722	32.967	31.245	-14.755	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.

Harmonic & Spurious:

Site : CB1	Time : 2012/04/24 - 13:10
Limit : FCC_SpartE_15.407_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 : 5180MHz,802.11a

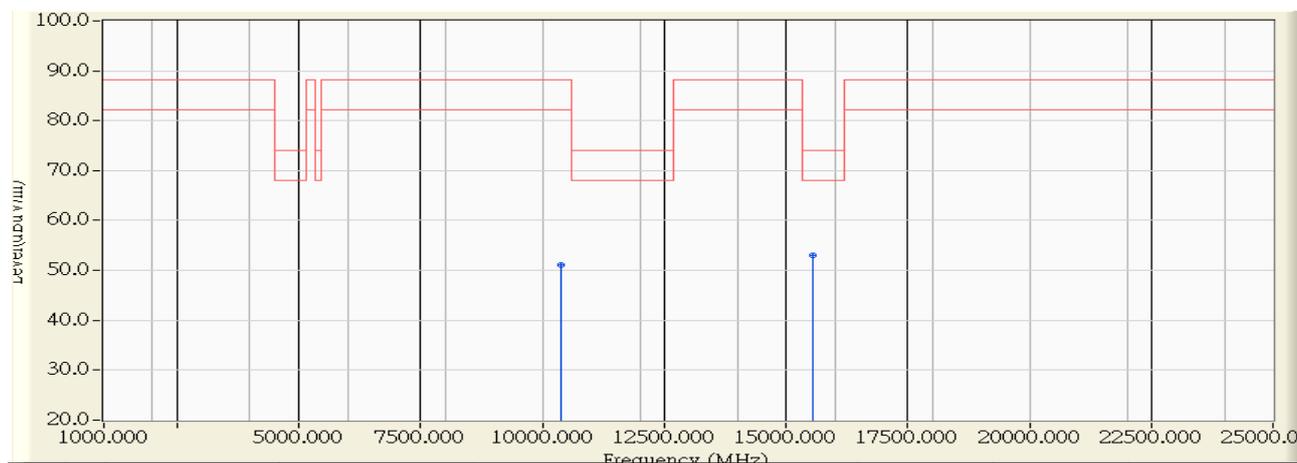


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10367.700	10.773	40.050	50.823	-37.477	88.300	PEAK
2	* 15552.900	11.394	41.080	52.475	-21.525	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:12
Limit : FCC_SpartE_15.407_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 : 5180MHz,802.11a

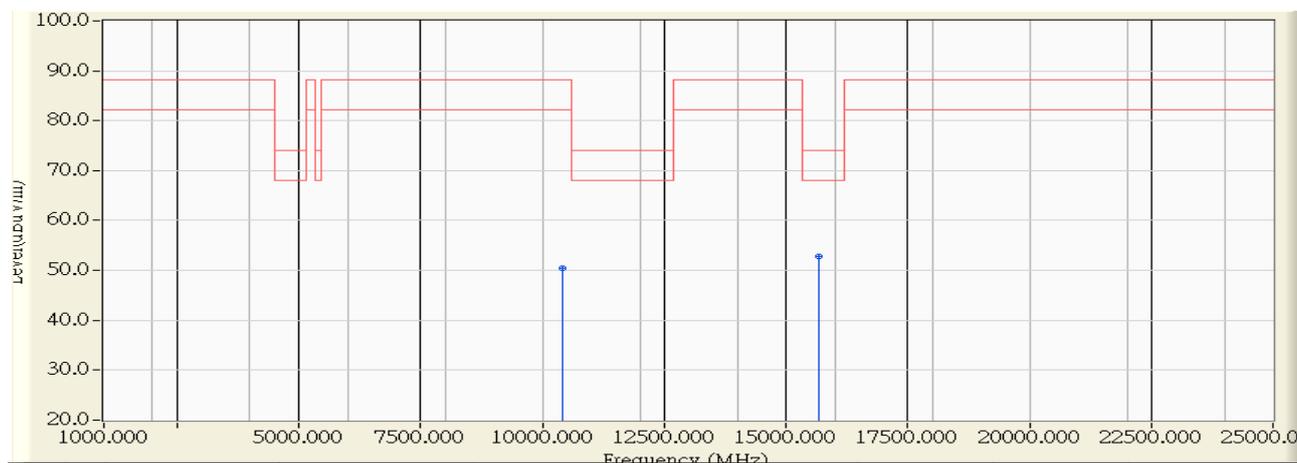


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10377.500	10.746	40.300	51.046	-37.254	88.300	PEAK
2	* 15561.000	11.390	41.740	53.129	-20.871	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:15
Limit : FCC_SpartE_15.407_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 : 5220MHz,802.11a

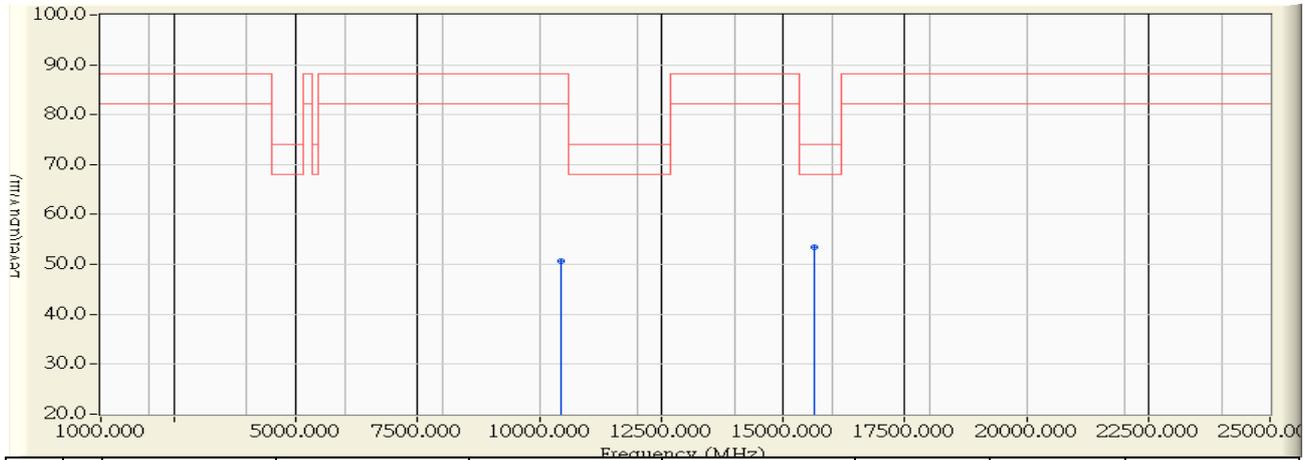


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10421.200	10.626	39.770	50.395	-37.905	88.300	PEAK
2	* 15681.200	11.307	41.420	52.727	-21.273	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:18
Limit : FCC_SpartE_15.407_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 : 5220MHz,802.11a

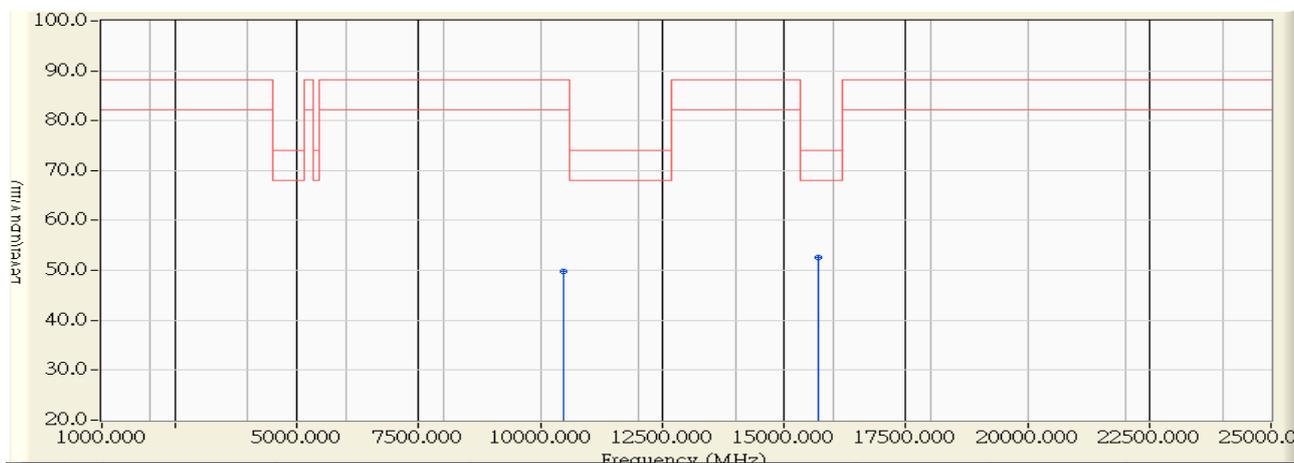


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10450.200	10.544	40.030	50.575	-37.725	88.300	PEAK
2	* 15641.800	11.334	42.100	53.434	-20.566	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:22
Limit : FCC_SpartE_15.407_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 : 5240MHz,802.11a

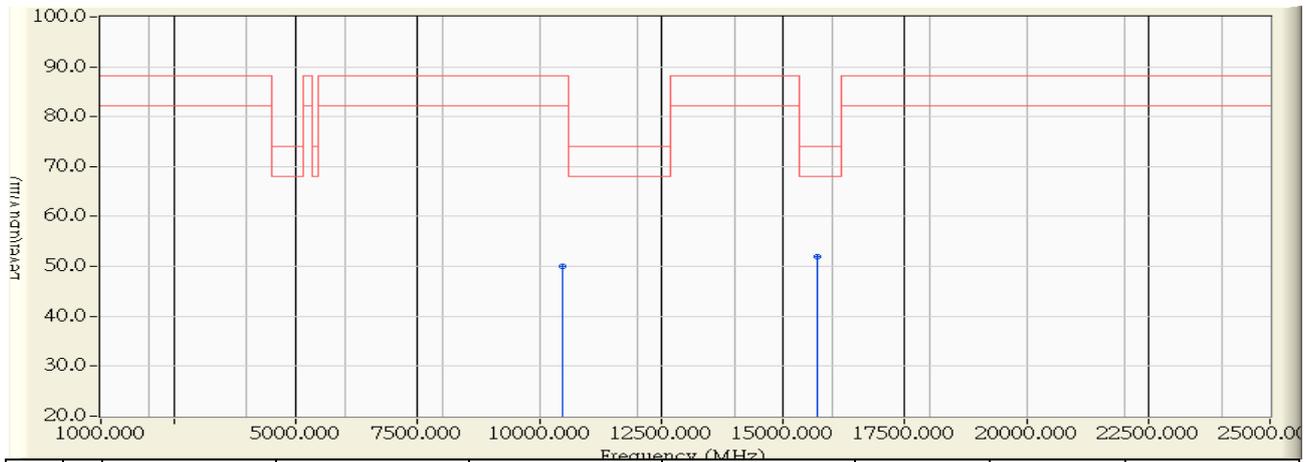


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10484.100	10.451	39.460	49.911	-38.389	88.300	PEAK
2	* 15714.800	11.284	41.340	52.624	-21.376	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:25
Limit : FCC_SpartE_15.407_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 : 5240MHz,802.11a

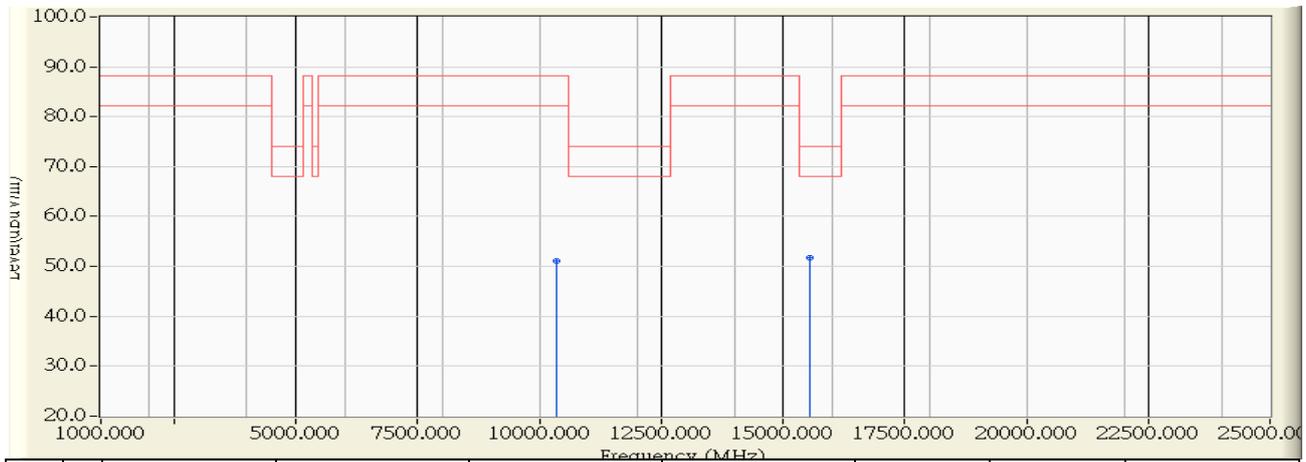


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10482.500	10.455	39.500	49.956	-38.344	88.300	PEAK
2	* 15720.000	11.281	40.660	51.941	-22.059	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:28
Limit : FCC_SpartE_15.407_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 : 5180MHz,802.11n(20M)

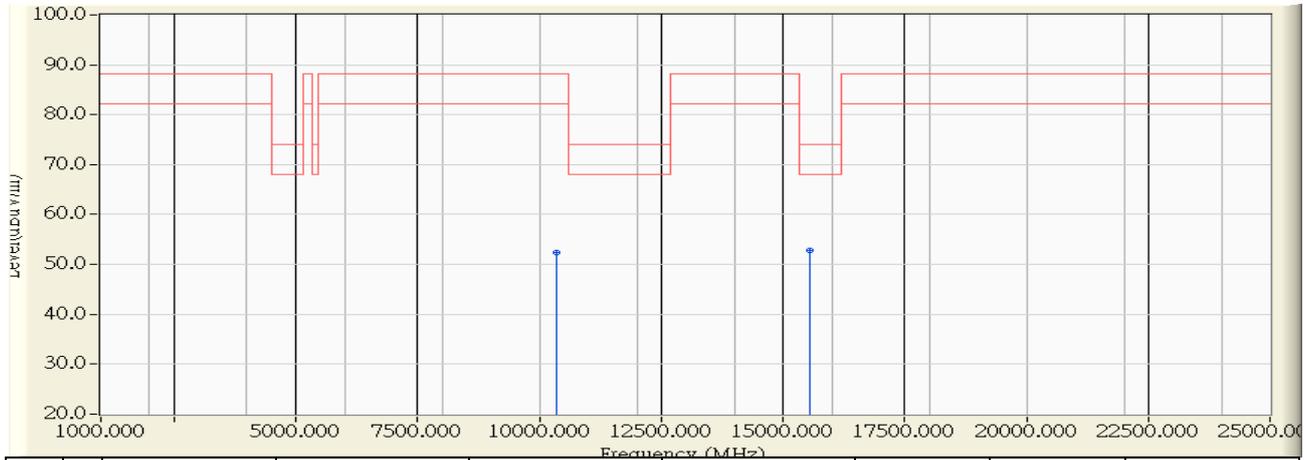


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10351.200	10.819	40.220	51.038	-37.262	88.300	PEAK
2	* 15542.200	11.403	40.400	51.802	-22.198	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:30
Limit : FCC_SpartE_15.407_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 : 5180MHz,802.11n(20M)

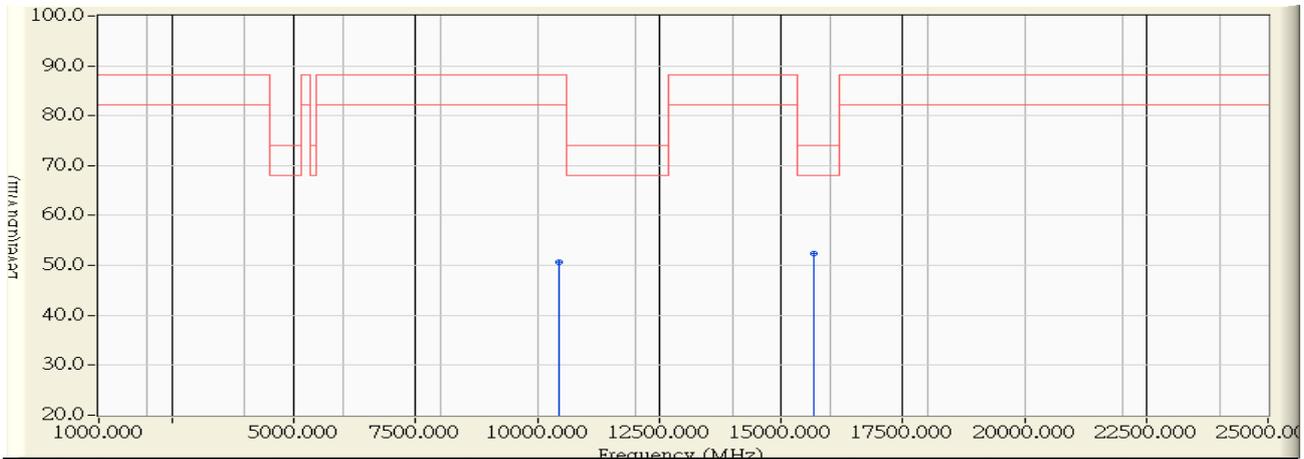


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10358.600	10.798	41.560	52.358	-35.942	88.300	PEAK
2	* 15543.200	11.401	41.410	52.812	-21.188	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:32
Limit : FCC_SpartE_15.407_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 : 5220MHz,802.11n(20M)

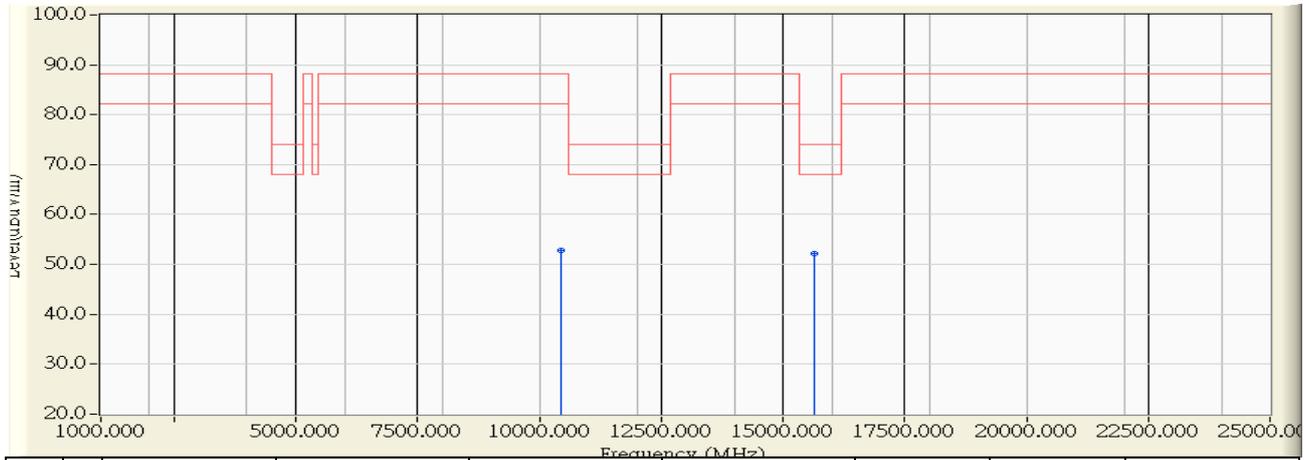


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10435.300	10.586	40.110	50.696	-37.604	88.300	PEAK
2	* 15672.300	11.313	41.170	52.483	-21.517	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:34
Limit : FCC_SpartE_15.407_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 : 5220MHz,802.11n(20M)

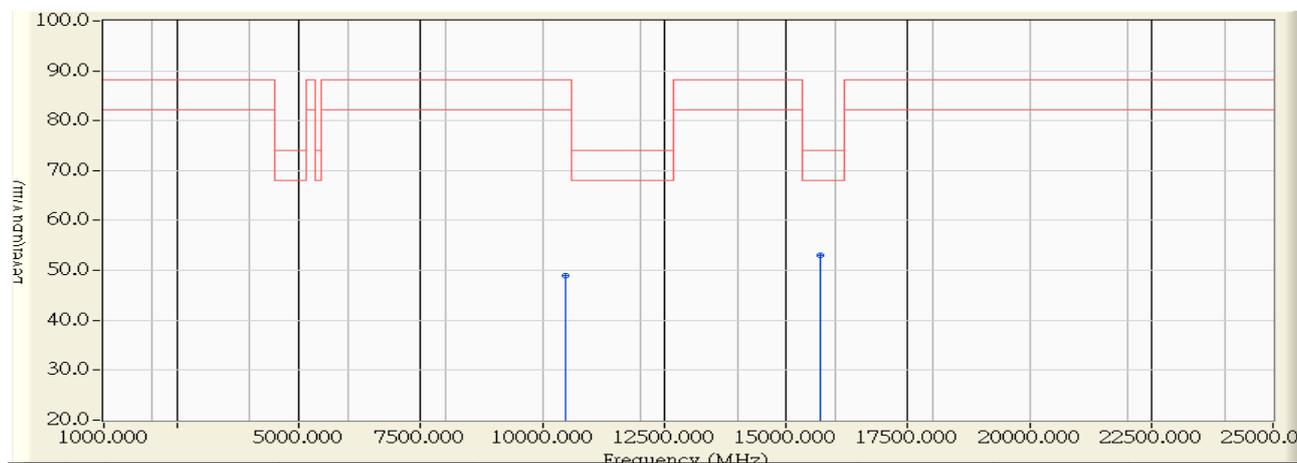


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10439.200	10.576	42.270	52.845	-35.455	88.300	PEAK
2	* 15647.400	11.330	40.880	52.210	-21.790	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:37
Limit : FCC_SpartE_15.407_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 : 5240MHz,802.11n(20M)

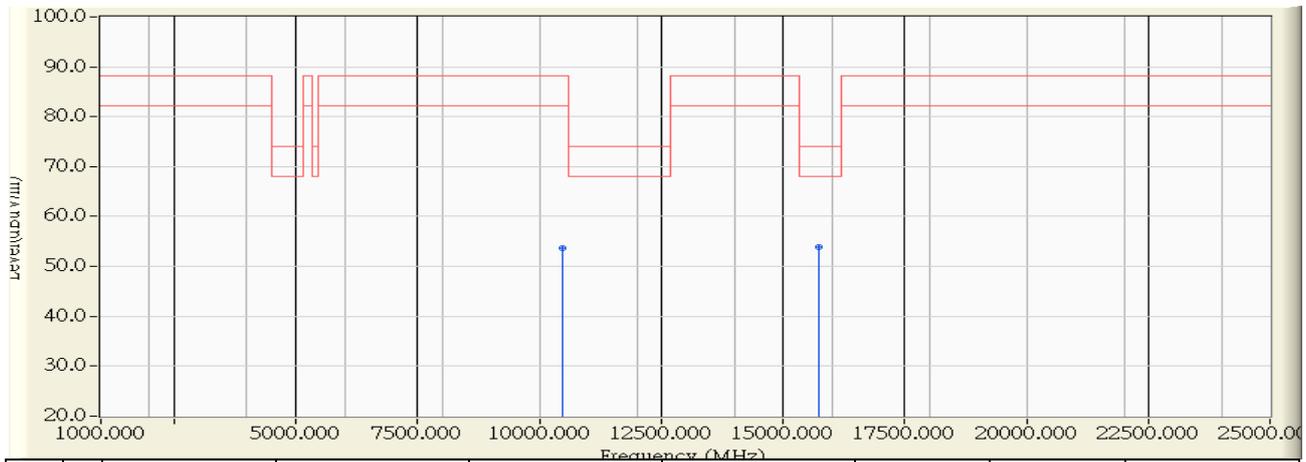


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10483.700	10.452	38.500	48.952	-39.348	88.300	PEAK
2	* 15704.000	11.291	41.770	53.061	-20.939	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:39
Limit : FCC_SpartE_15.407_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 : 5240MHz,802.11n(20M)

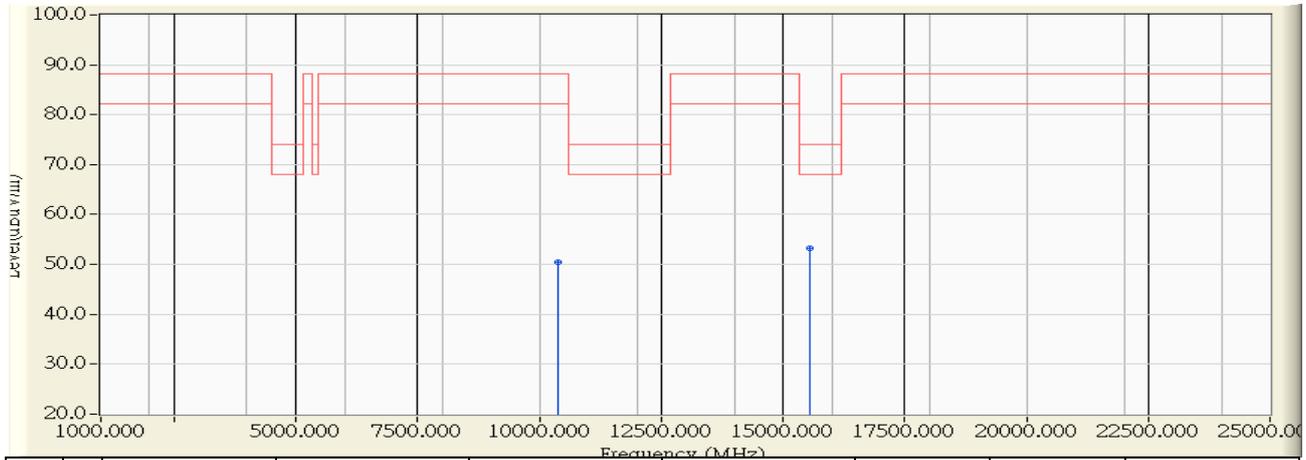


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10479.200	10.465	43.190	53.655	-34.645	88.300	PEAK
2	* 15726.400	11.277	42.600	53.876	-20.124	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:42
Limit : FCC_SpartE_15.407_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 : 5190MHz,802.11n(40M)

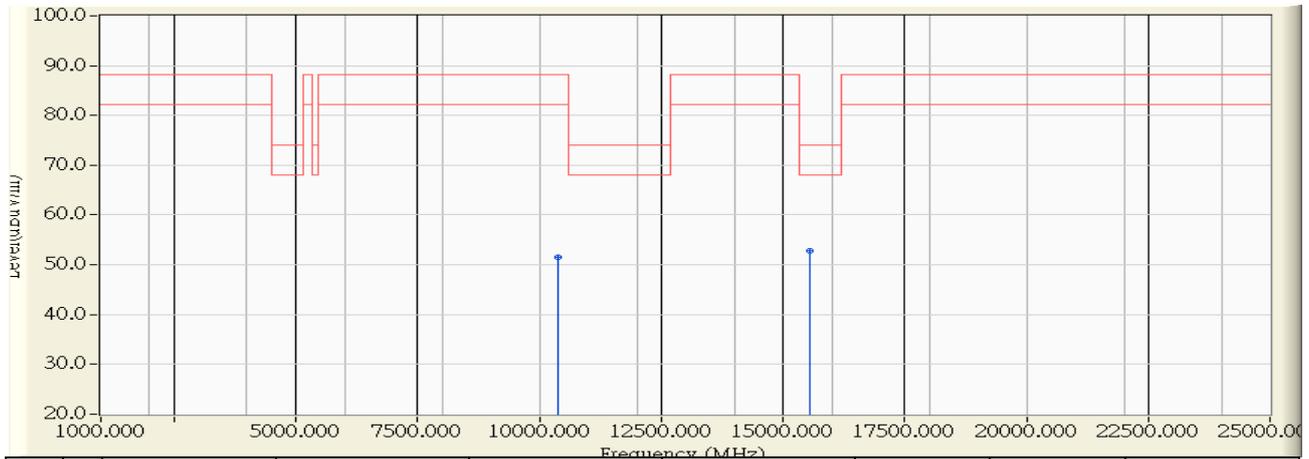


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10369.280	10.769	39.690	50.458	-37.842	88.300	PEAK
2	* 15548.880	11.398	41.870	53.268	-20.732	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:44
Limit : FCC_SpartE_15.407_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 : 5190MHz,802.11n(40M)

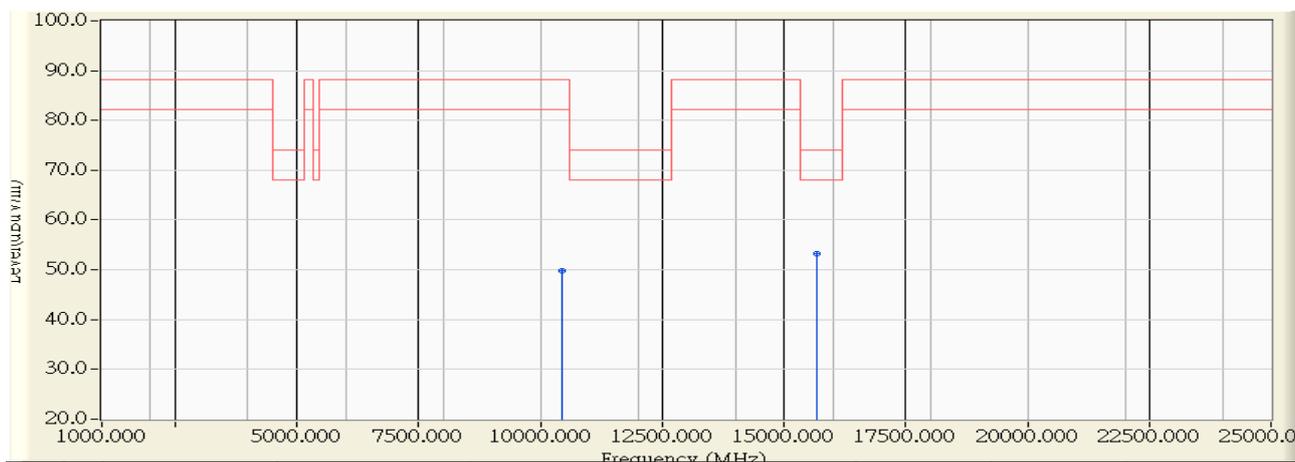


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10380.160	10.738	40.880	51.618	-36.682	88.300	PEAK
2	* 15565.200	11.387	41.510	52.897	-21.103	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:46
Limit : FCC_SpartE_15.407_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 : 5230MHz,802.11n(40M)

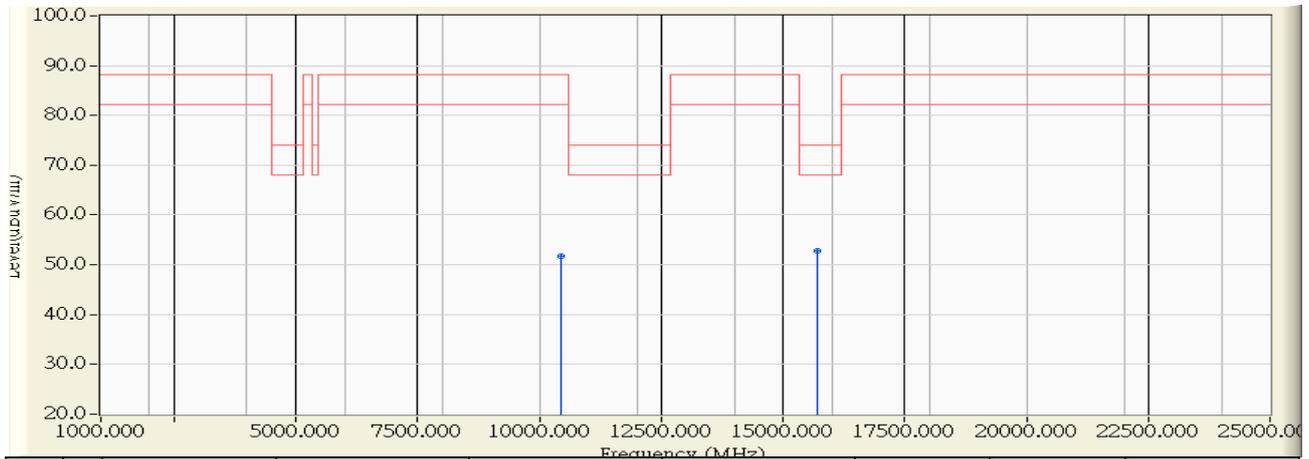


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10445.760	10.556	39.270	49.827	-38.473	88.300	PEAK
2	* 15689.040	11.302	41.920	53.222	-20.778	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:49
Limit : FCC_SpartE_15.407_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 : 5230MHz,802.11n(40M)

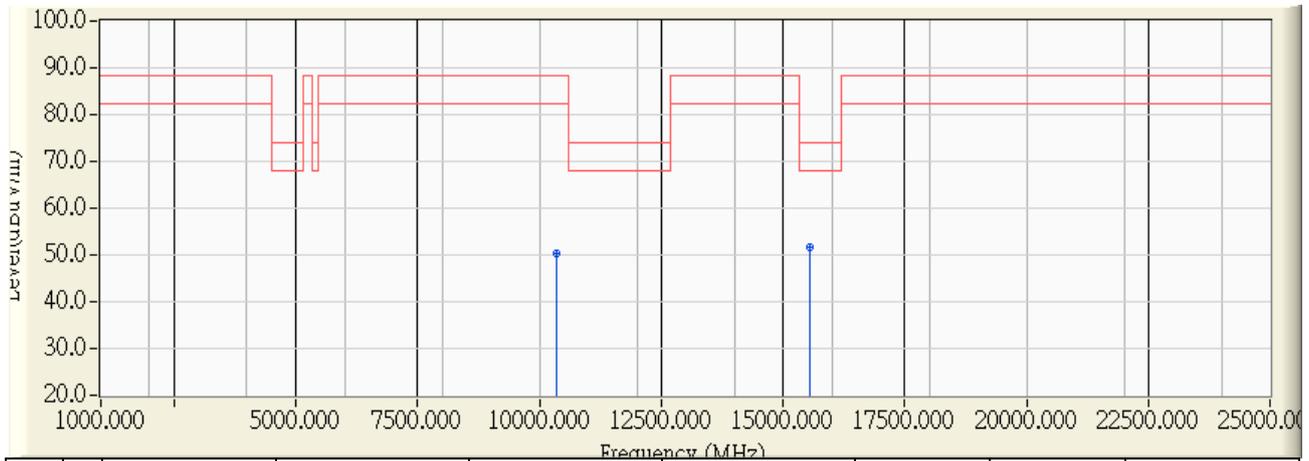


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10456.320	10.528	41.240	51.768	-36.532	88.300	PEAK
2	* 15704.720	11.292	41.630	52.921	-21.079	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/05/19 - 12:26
Limit : FCC_SpartE_15.407_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 : 5180MHz,802.11ac(20M)

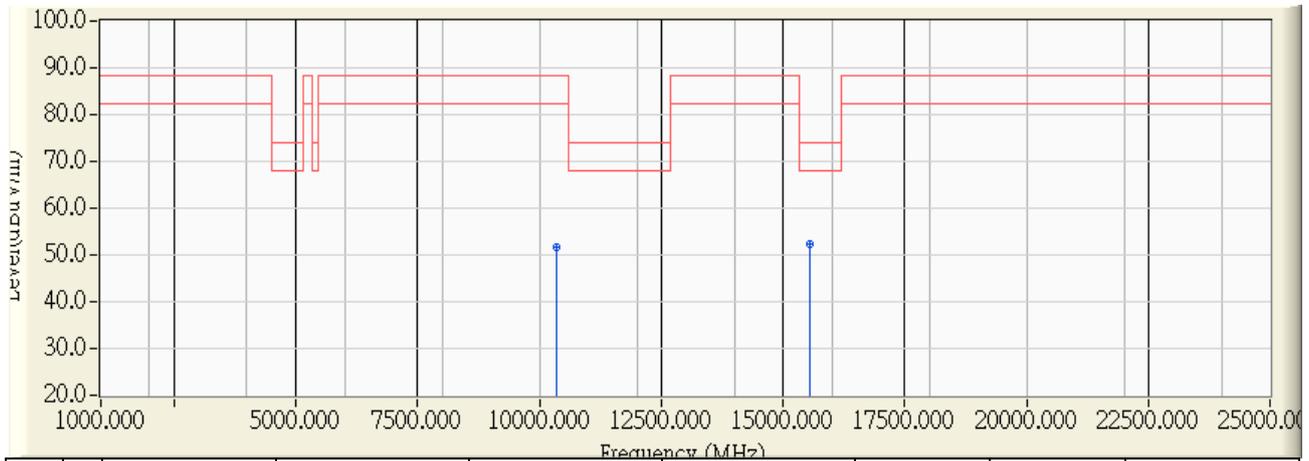


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10351.237	10.819	39.584	50.403	-37.897	88.300	PEAK
2	* 15541.975	11.403	40.389	51.792	-22.208	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/05/19 - 12:26
Limit : FCC_SpartE_15.407_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 : 5180MHz,802.11ac(20M)

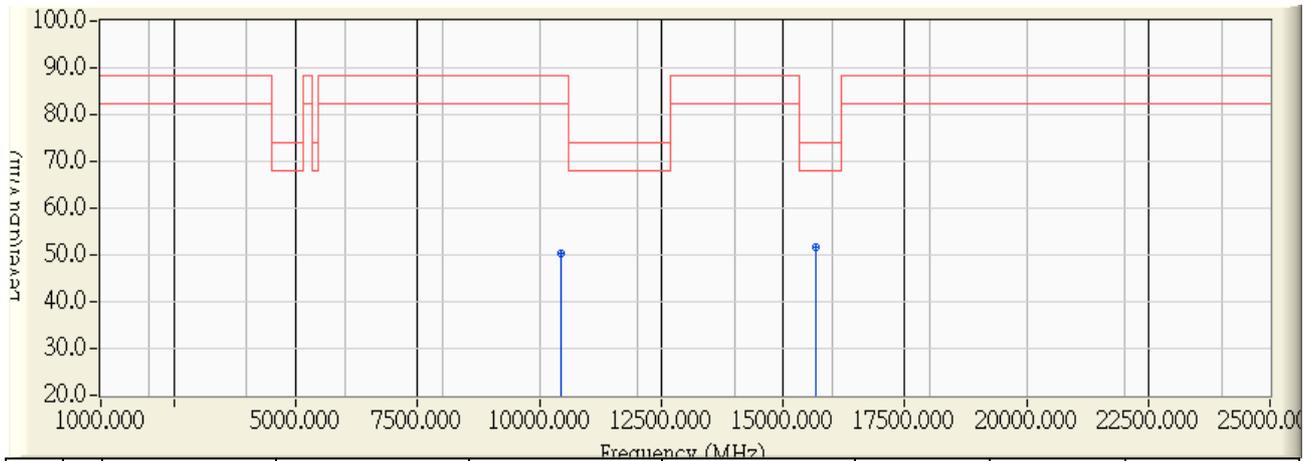


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10358.647	10.798	40.915	51.713	-36.587	88.300	PEAK
2	* 15543.262	11.401	40.794	52.195	-21.805	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/05/19 - 12:26
Limit : FCC_SpartE_15.407_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 : 5220MHz,802.11ac(20M)

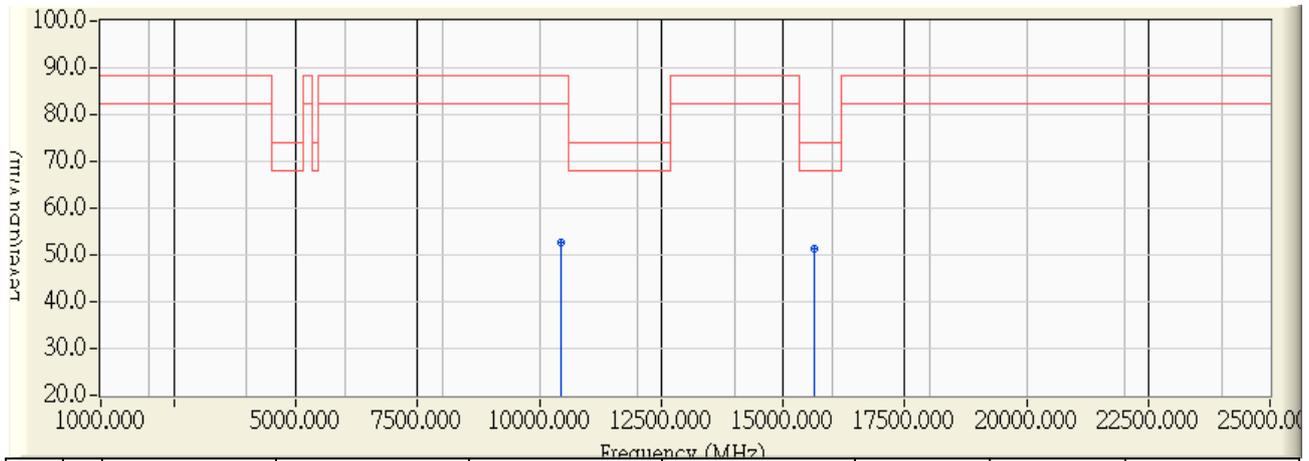


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10435.312	10.586	39.594	50.180	-38.120	88.300	PEAK
2	* 15672.373	11.313	40.497	51.810	-22.190	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/05/19 - 12:26
Limit : FCC_SpartE_15.407_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 : 5220MHz,802.11ac(20M)

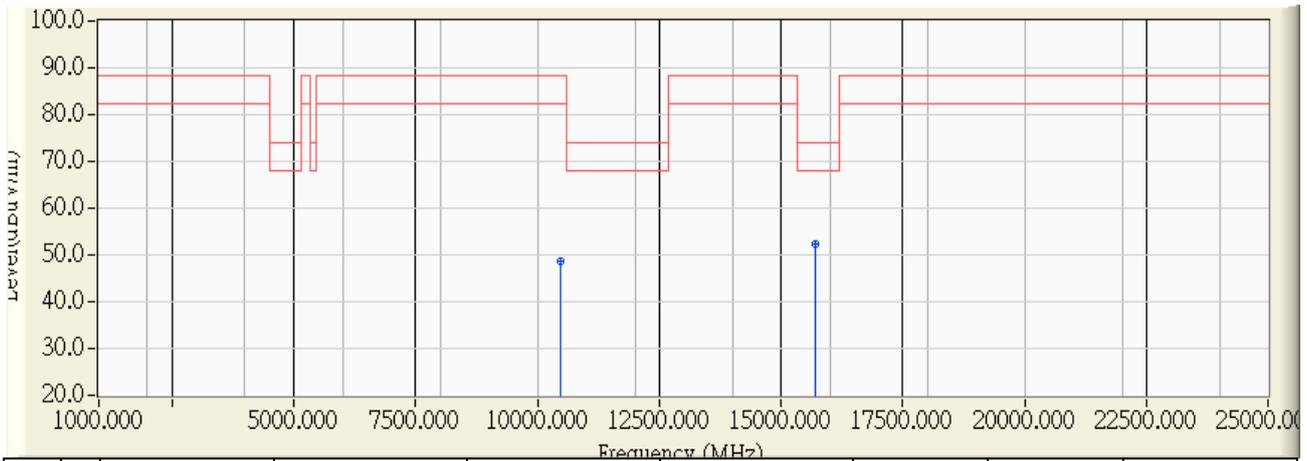


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10438.990	10.576	42.237	52.813	-35.487	88.300	PEAK
2	* 15647.520	11.330	40.120	51.450	-22.550	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/05/19 - 12:26
Limit : FCC_SpartE_15.407_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 : 5240MHz,802.11ac(20M)

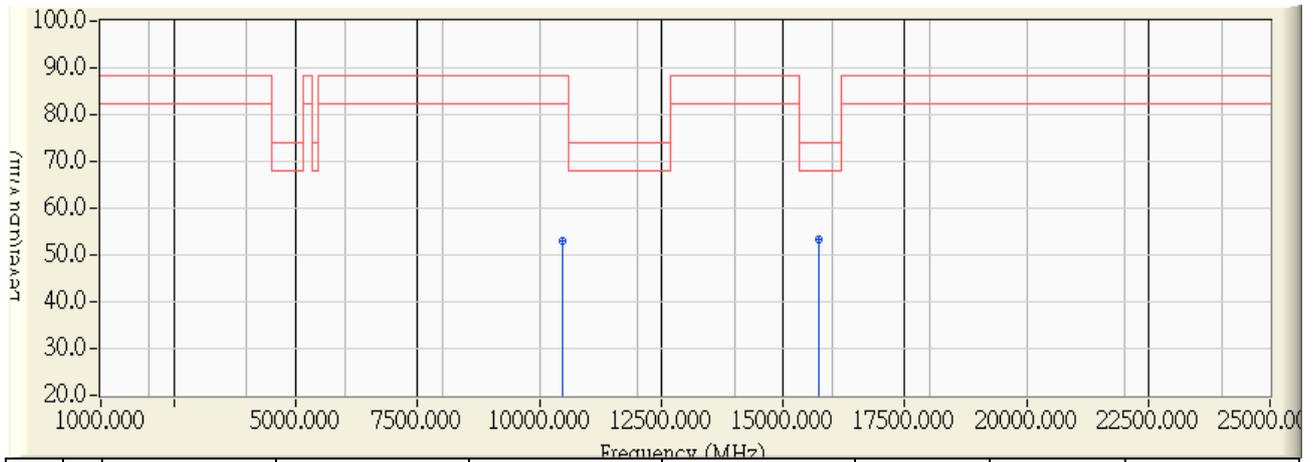


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10483.802	10.452	38.327	48.779	-39.521	88.300	PEAK
2	* 15703.762	11.291	41.199	52.490	-21.510	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. " # ", means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/05/19 - 12:26
Limit : FCC_SpartE_15.407_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 : 5240MHz,802.11ac(20M)

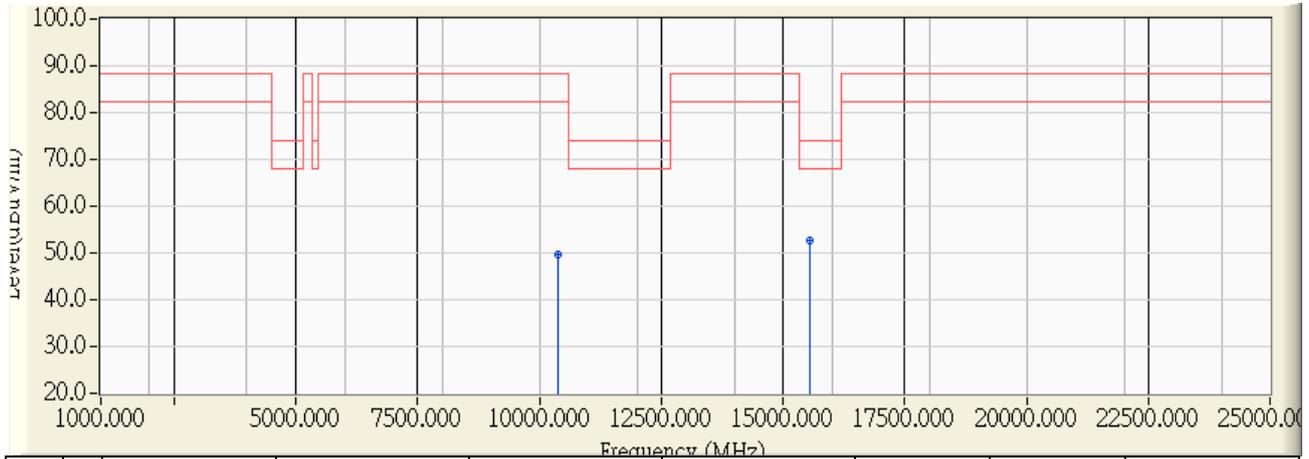


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10479.310	10.465	42.410	52.875	-35.425	88.300	PEAK
2	* 15726.180	11.277	41.894	53.171	-20.829	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/05/19 - 12:26
Limit : FCC_SpartE_15.407_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 : 5190MHz,802.11ac(40M)

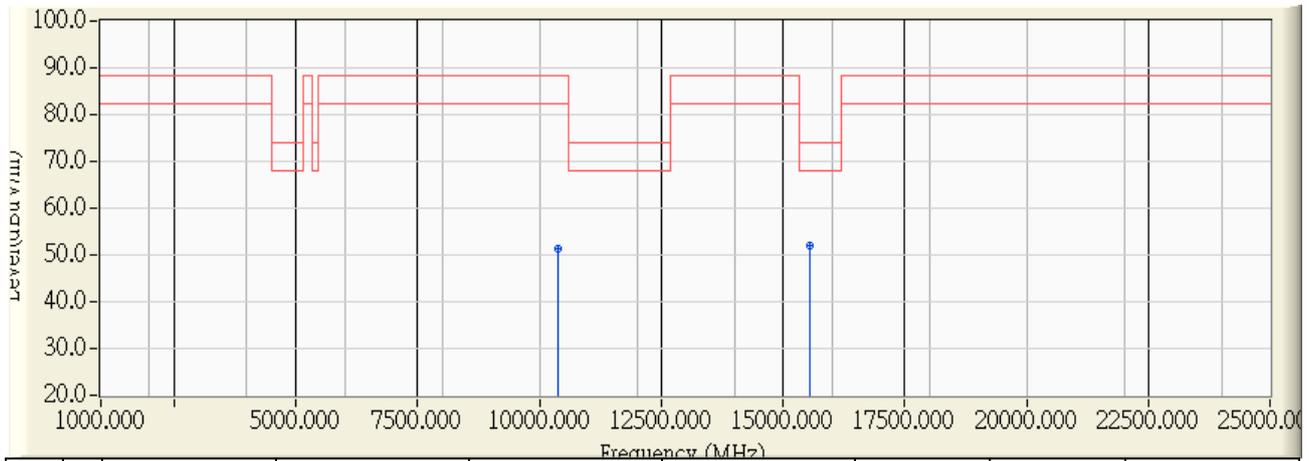


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10369.307	10.769	38.754	49.523	-38.777	88.300	PEAK
2	* 15548.721	11.398	41.160	52.558	-21.442	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/05/19 - 12:26
Limit : FCC_SpartE_15.407_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 : 5190MHz,802.11ac(40M)

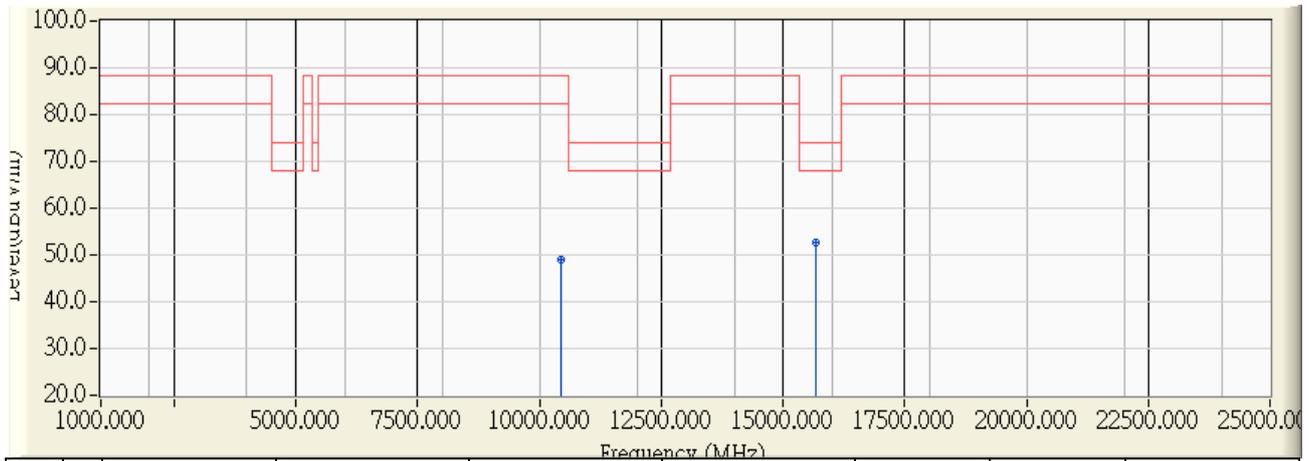


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10380.208	10.738	40.713	51.451	-36.849	88.300	PEAK
2	* 15564.986	11.387	40.688	52.075	-21.925	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/05/19 - 12:26
Limit : FCC_SpartE_15.407_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 : 5230MHz,802.11ac(40M)

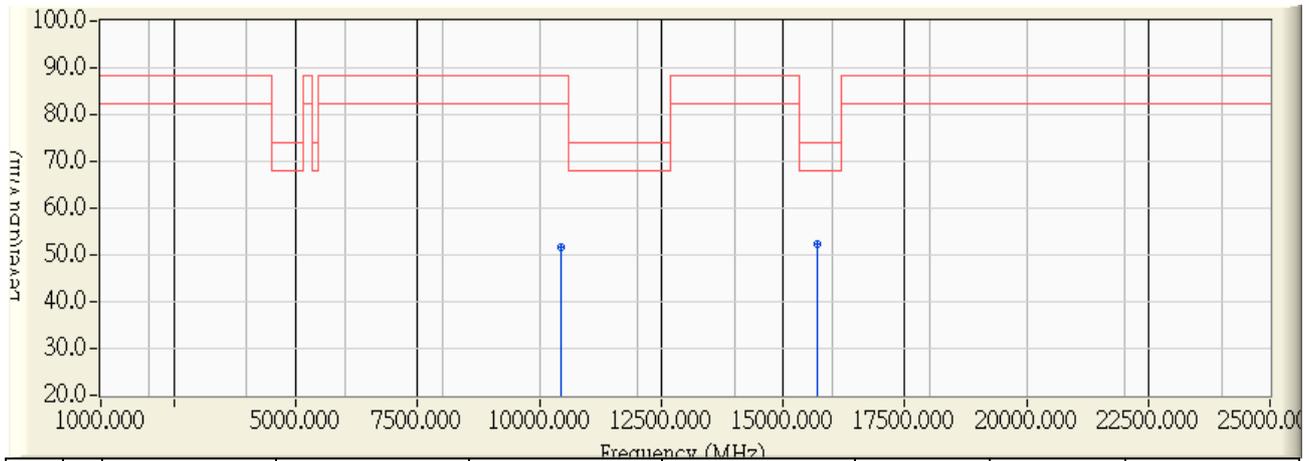


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10445.551	10.556	38.508	49.064	-39.236	88.300	PEAK
2	* 15688.914	11.302	41.387	52.689	-21.311	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/05/19 - 12:26
Limit : FCC_SpartE_15.407_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 : 5230MHz,802.11ac(40M)

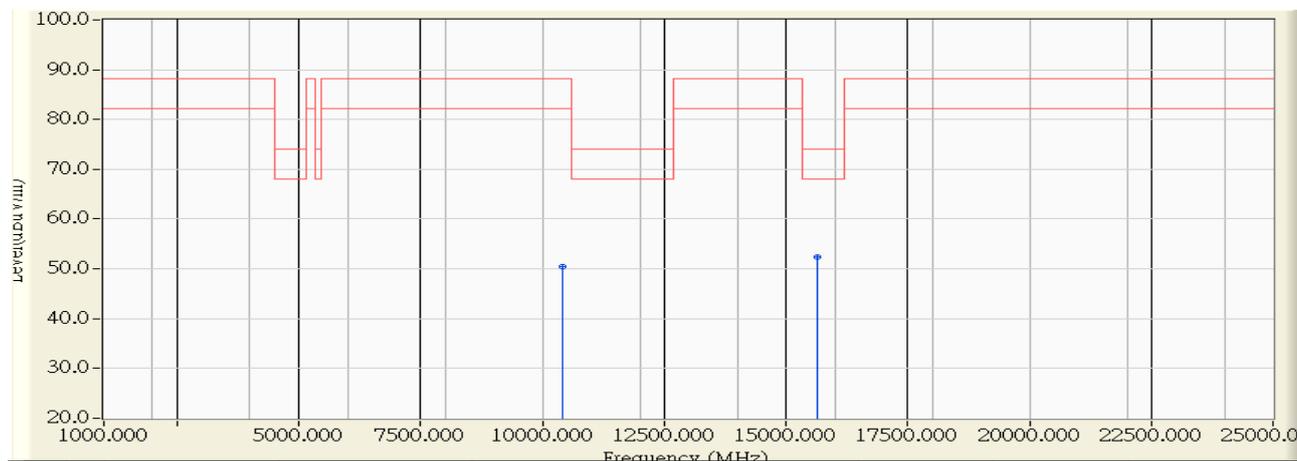


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10456.409	10.528	41.220	51.748	-36.552	88.300	PEAK
2	* 15704.591	11.292	41.140	52.432	-21.568	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:51
Limit : FCC_SpartE_15.407_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 : 5210MHz,802.11ac(80M)

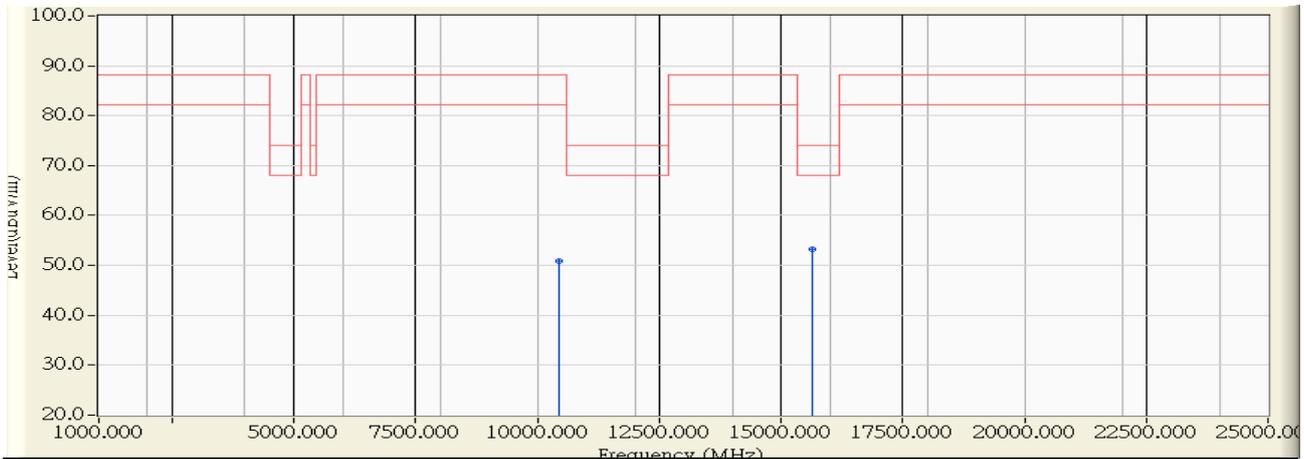


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10416.800	10.638	39.720	50.357	-37.943	88.300	PEAK
2	* 15631.600	11.341	41.130	52.471	-21.529	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2012/04/24 - 13:53
Limit : FCC_SpartE_15.407_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 : 5210MHz,802.11ac(80M)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10439.040	10.575	40.220	50.796	-37.504	88.300	PEAK
2	* 15640.080	11.335	41.820	53.155	-20.845	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. “ # ”, means the frequency is out of the restricted band.
6. Measurement Level = Reading Level + Correct Factor.
7. The average measurement was not performed when the peak measured data under the limit of average detection.

8. Band Edge

8.1. Test Equipment

The following test equipments are used during the band edge tests:

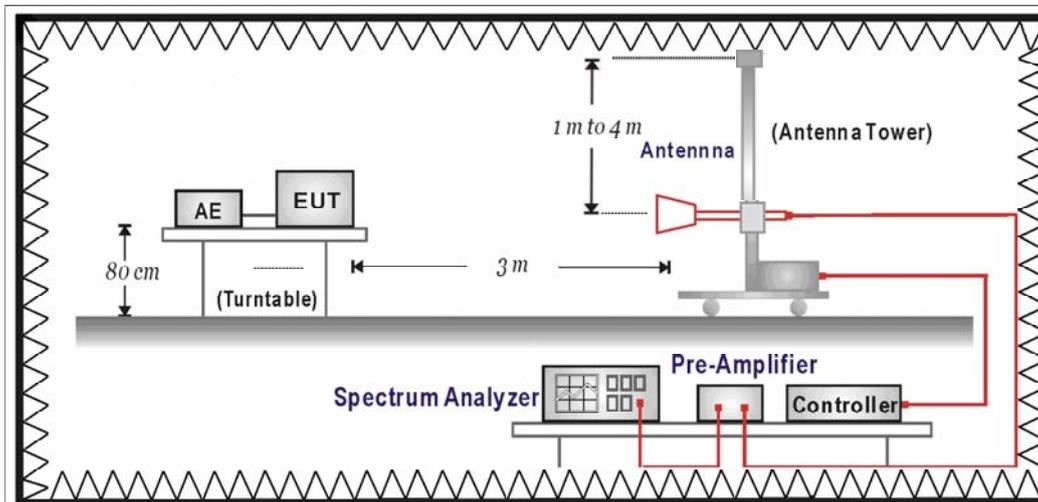
Band Edge / CB1

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.

8.2. Test Setup

RF Radiated Measurement:



8.3. Limits

➤ **General Radiated Emission Limits**

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remark:

4. RF Voltage (dBuV) = 20 log RF Voltage (uV)
5. In the Above Table, the tighter limit applies at the band edges.
6. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

➤ **Unwanted Emission out of the restricted bands Limits**

FCC Part 15 Subpart C Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (dBuV/m@3m)
5150~5250	-27	68.3
5250~5350	-27	68.3
5470~5725	-27	68.3
5725~5825	-27 (Note1)	68.3
	-17 (Note2)	78.3

Remark:

4. For frequencies more than 10 MHz above or below the band edges.
5. For frequency range from the band edges to 10 MHz above or below the band edges.

6.
$$uV/m = \frac{1000000 \sqrt{30 \times EIRP}}{3}$$
, RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

8.4. Test Procedure

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.

The bandwidth below 1GHz setting on the field strength meter (R&S Test Receiver ESCS 30) is 120 KHz, above 1GHz are 1 MHz.

8.5. Uncertainty

The measurement uncertainty is defined as $\pm 3.65\text{dB}$

8.6. Test Result

Radiated is defined as

Site : CB1	Time : 2012/04/24 - 10:41
Limit : FCC_SpartE_15.407_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 : 5180MHz,802.11a

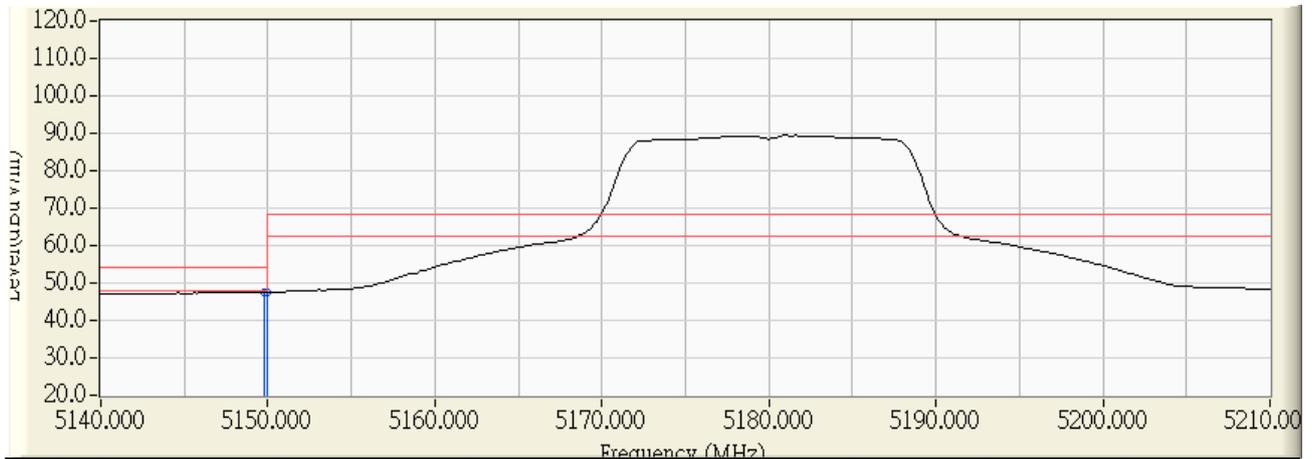


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5149.800	0.830	60.041	60.870	-13.130	74.000	PEAK
2		5150.000	0.831	59.437	60.268	-13.732	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 10:42
Limit : FCC_SpartE_15.407_H_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 : 5180MHz,802.11a

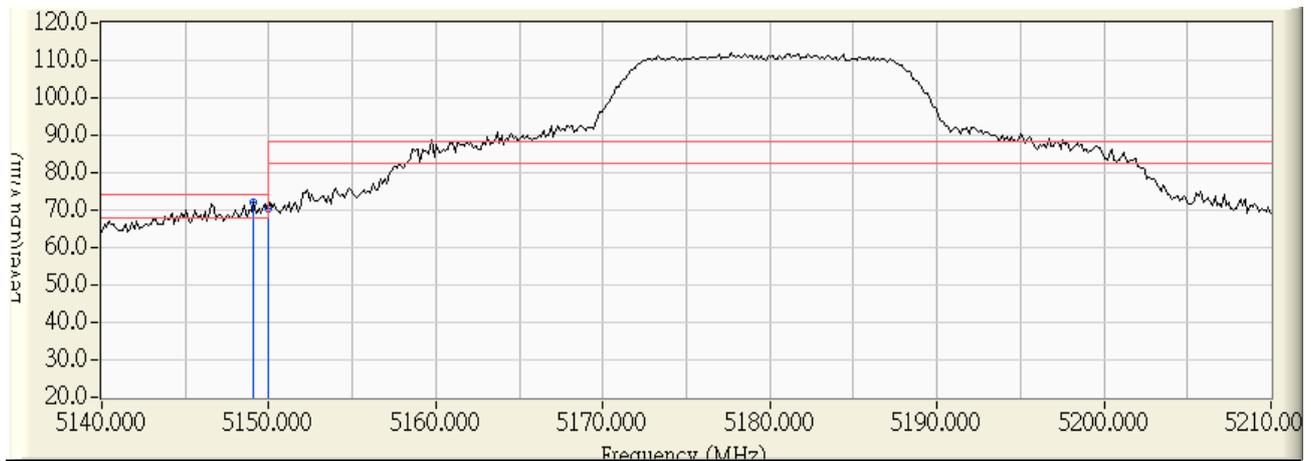


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5149.800	0.830	46.781	47.610	-6.390	54.000	AVERAGE
2	* 5150.000	0.831	46.834	47.665	-6.335	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 10:44
Limit : FCC_SpartE_15.407_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 : 5180MHz,802.11a

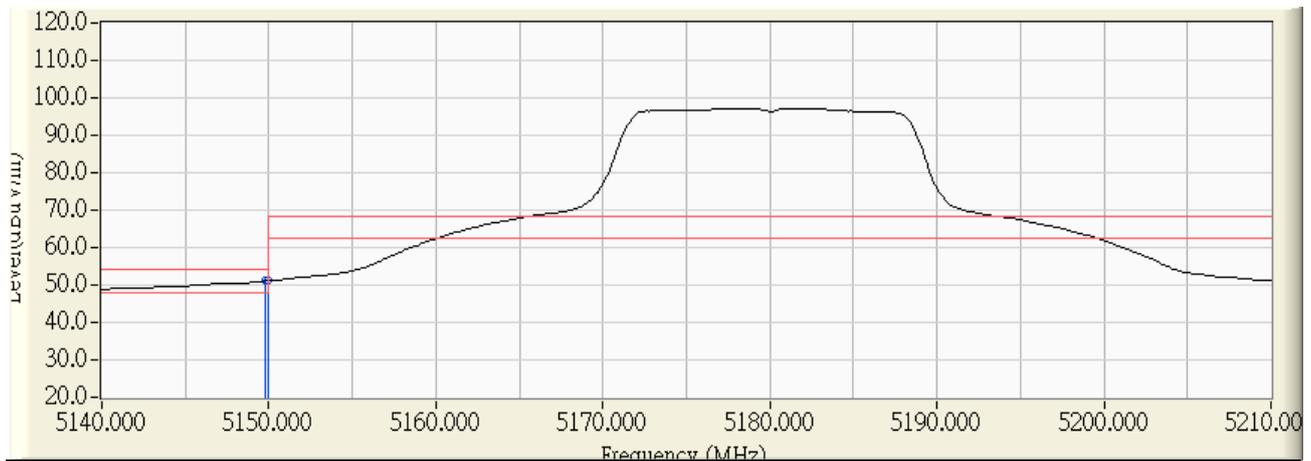


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5149.100	0.823	71.384	72.208	-1.792	74.000	PEAK
2		5150.000	0.831	69.690	70.521	-3.479	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 10:45
Limit : FCC_SpartE_15.407_H_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 : 5180MHz,802.11a

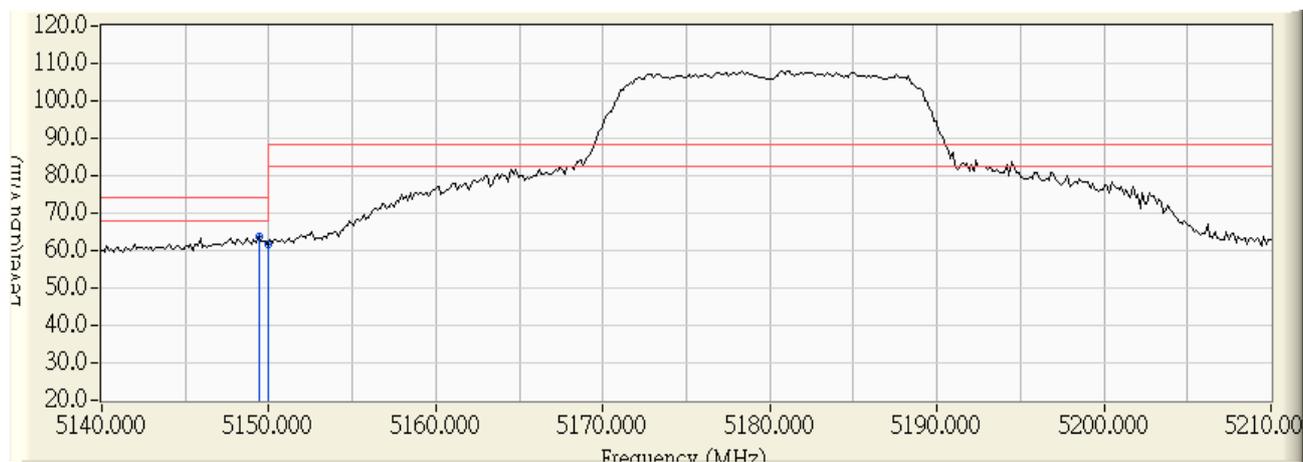


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5149.800	0.830	50.234	51.063	-2.937	54.000	AVERAGE
2	* 5150.000	0.831	50.317	51.148	-2.852	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 10:57
Limit : FCC_SpartE_15.407_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 : 5180MHz,802.11n(20M)

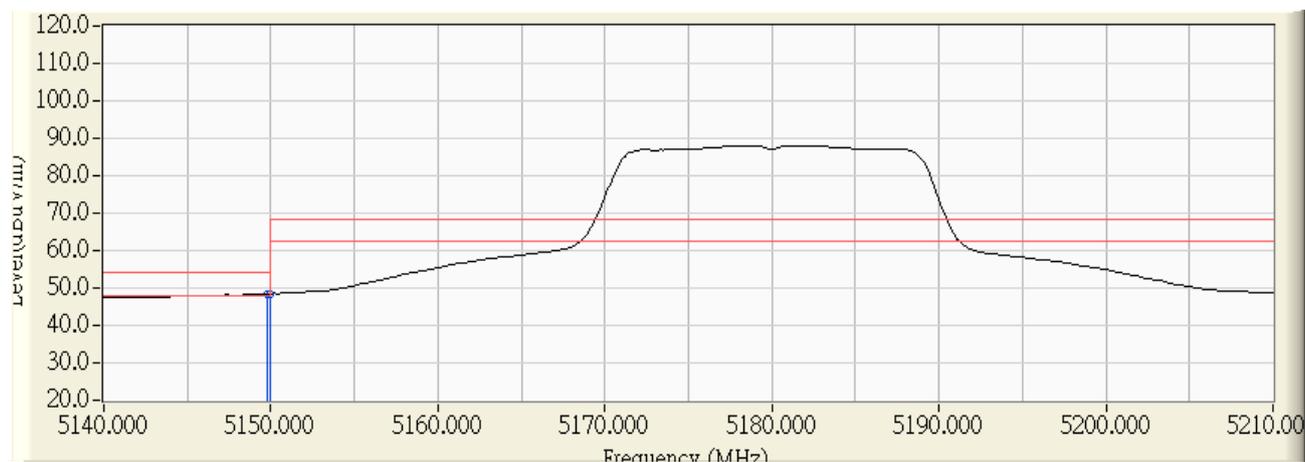


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5149.380	0.825	63.002	63.828	-10.172	74.000	PEAK
2		5150.000	0.831	61.030	61.861	-12.139	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 10:58
Limit : FCC_SpartE_15.407_H_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 : 5180MHz,802.11n(20M)

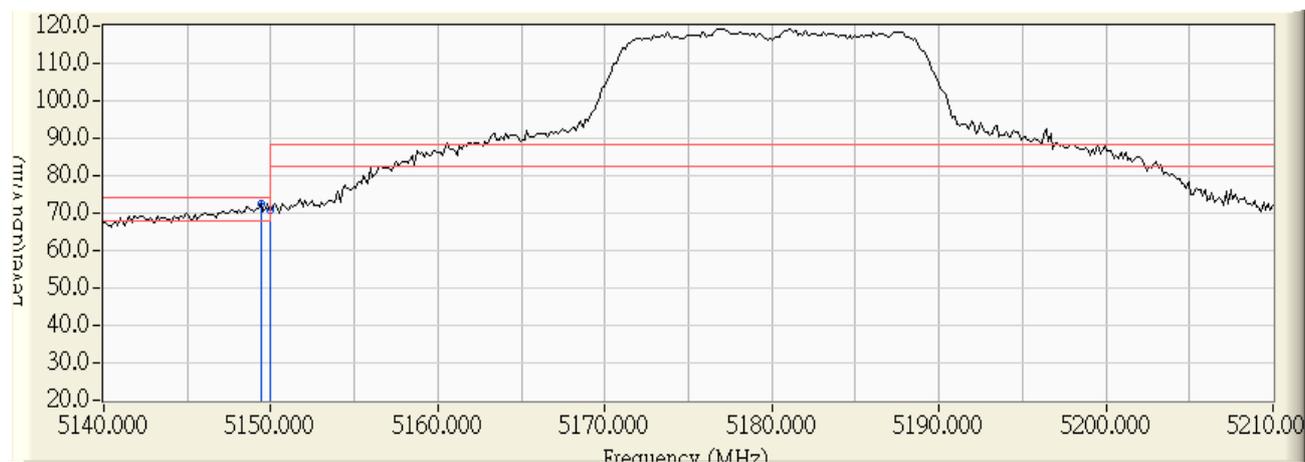


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5149.800	0.830	47.637	48.466	-5.534	54.000	AVERAGE
2	* 5150.000	0.831	47.686	48.517	-5.483	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 11:01
Limit : FCC_SpartE_15.407_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 : 5180MHz,802.11n(20M)

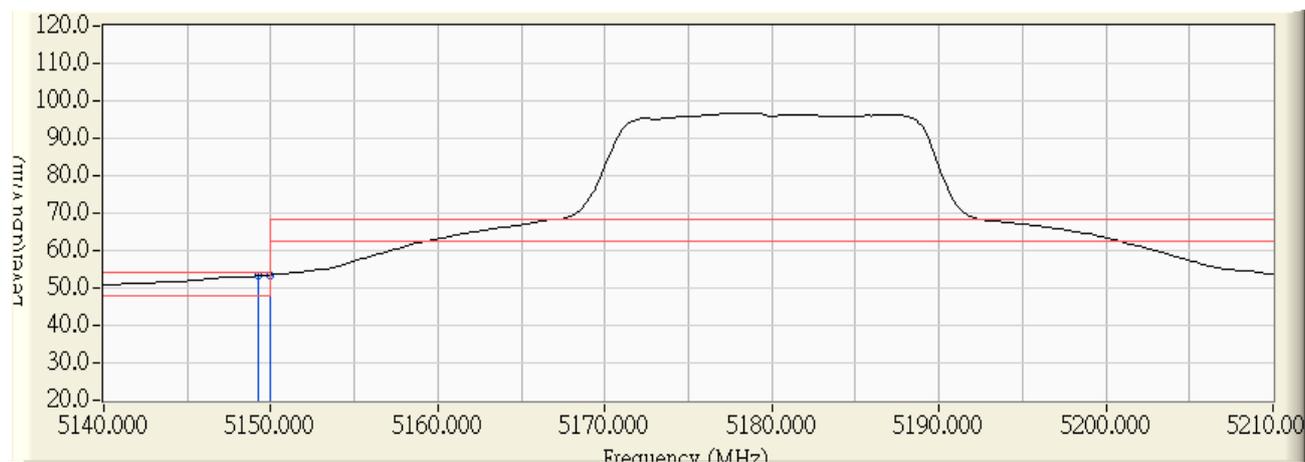


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5149.380	0.825	71.645	72.471	-1.529	74.000	PEAK
2		5150.000	0.831	70.018	70.849	-3.151	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 11:01
Limit : FCC_SpartE_15.407_H_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 : 5180MHz,802.11n(20M)

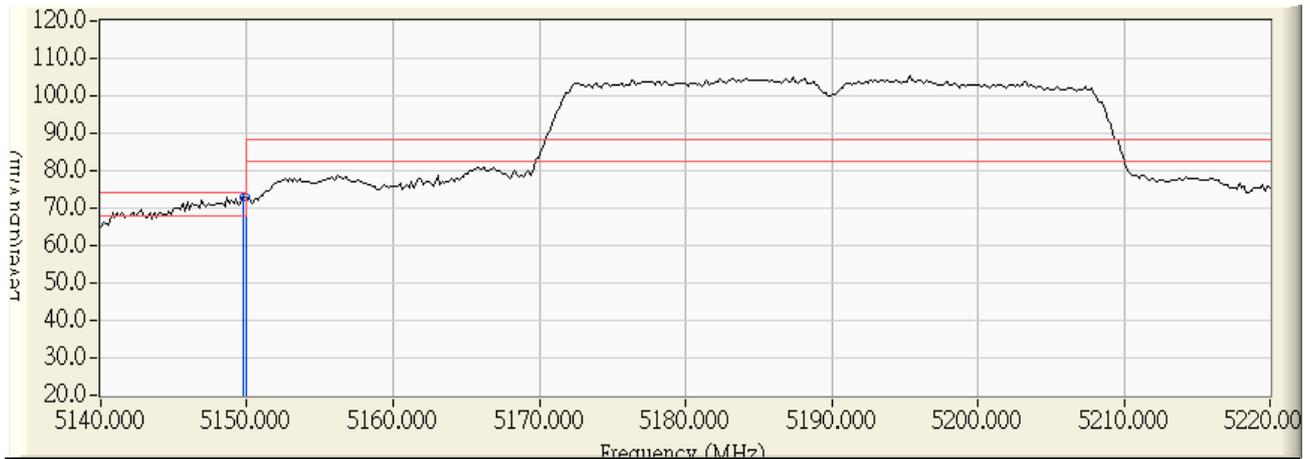


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5149.240	0.824	52.408	53.233	-0.767	54.000	AVERAGE
2	* 5150.000	0.831	52.707	53.538	-0.462	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 11:17
Limit : FCC_SpartE_15.407_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 : 5190MHz,802.11n(40M)

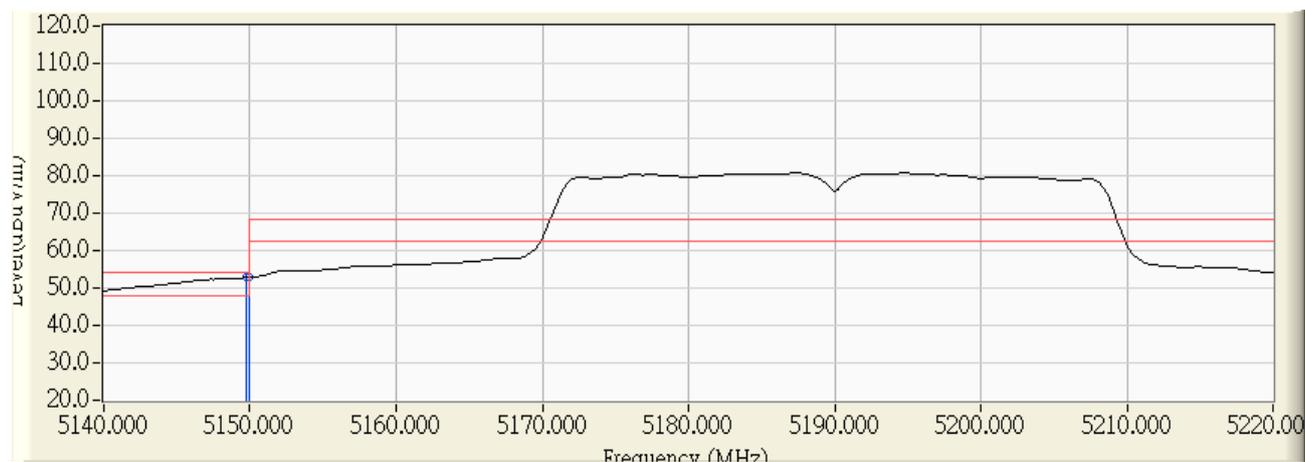


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5149.760	0.829	71.891	72.720	-1.280	74.000	PEAK
2	* 5150.000	0.831	71.902	72.733	-1.267	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 11:18
Limit : FCC_SpartE_15.407_H_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 : 5190MHz,802.11n(40M)

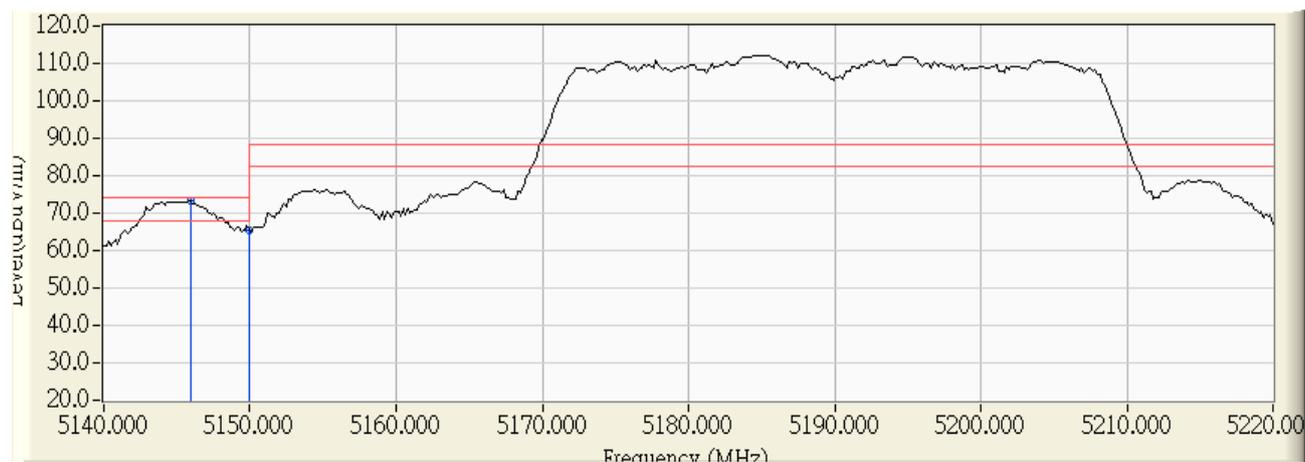


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5149.760	0.829	51.980	52.809	-1.191	54.000	AVERAGE
2	* 5150.000	0.831	52.110	52.941	-1.059	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 11:23
Limit : FCC_SpartE_15.407_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 : 5190MHz,802.11n(40M)

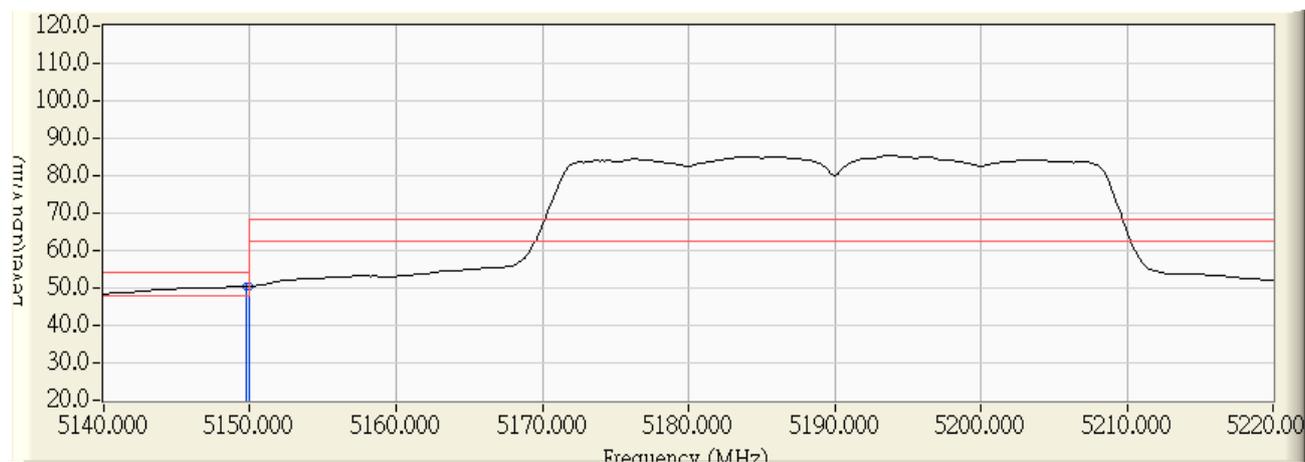


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5145.920	0.799	72.613	73.412	-0.588	74.000	PEAK
2		5150.000	0.831	64.401	65.232	-8.768	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 11:23
Limit : FCC_SpartE_15.407_H_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 : 5190MHz,802.11n(40M)

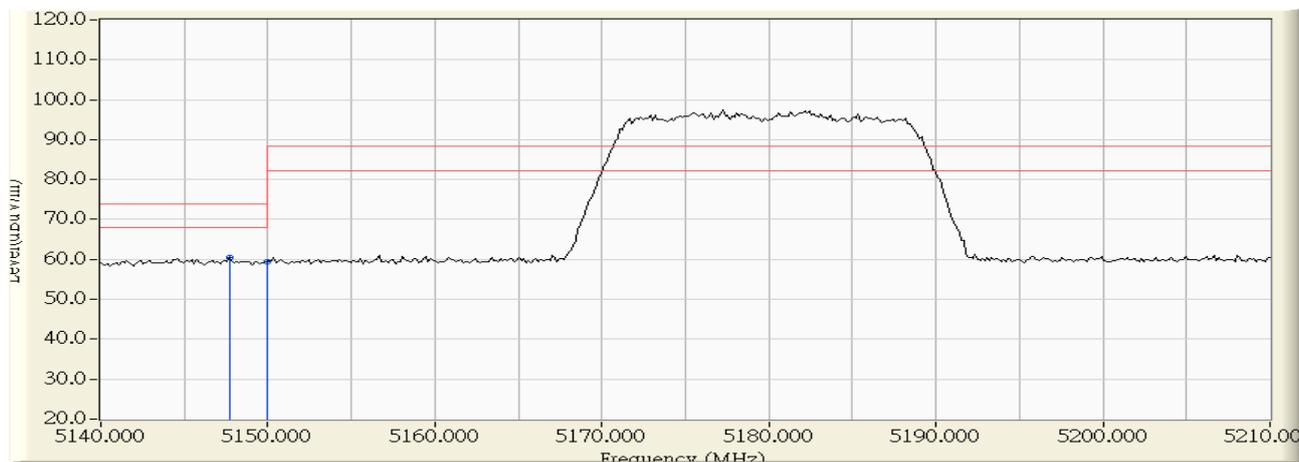


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5149.760	0.829	49.598	50.427	-3.573	54.000	AVERAGE
2	* 5150.000	0.831	49.705	50.536	-3.464	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/05/19 - 12:58
Limit : FCC_SpartE_15.407_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 : 5180MHz,802.11ac(20M)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5147.700	0.812	59.751	60.564	-13.436	74.000	PEAK
2		5150.000	0.831	58.679	59.510	-14.490	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 = 1MHz, 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 : 2012/05/19 - 12:58
Limit : FCC_SpartE_15.407_H_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 : 5180MHz,802.11ac(20M)

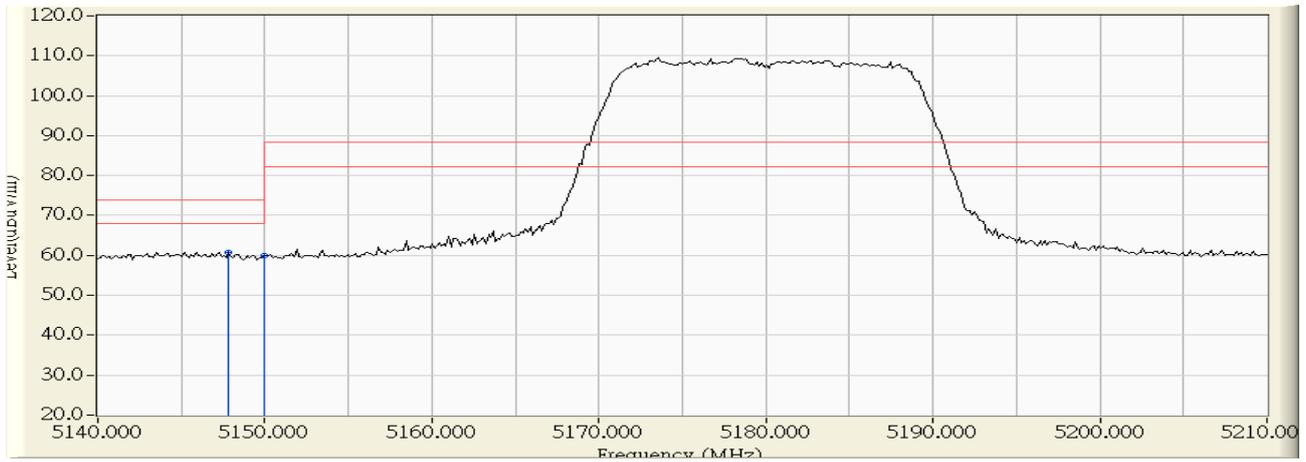


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5147.140	0.809	45.673	46.481	-7.519	54.000	AVERAGE
2	* 5150.000	0.831	45.682	46.513	-7.487	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/05/19 - 12:53
Limit : FCC_SpartE_15.407_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 : 5180MHz,802.11ac(20M)

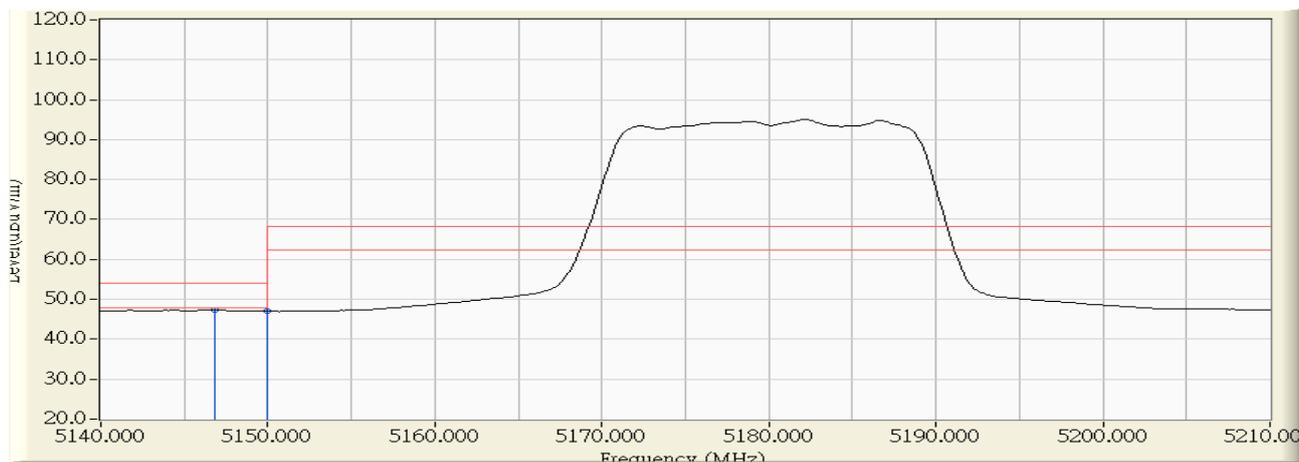


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5147.840	0.813	59.944	60.758	-13.242	74.000	PEAK
2		5150.000	0.831	59.139	59.970	-14.030	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/05/19 - 12:53
Limit : FCC_SpartE_15.407_H_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 : 5180MHz,802.11ac(20M)

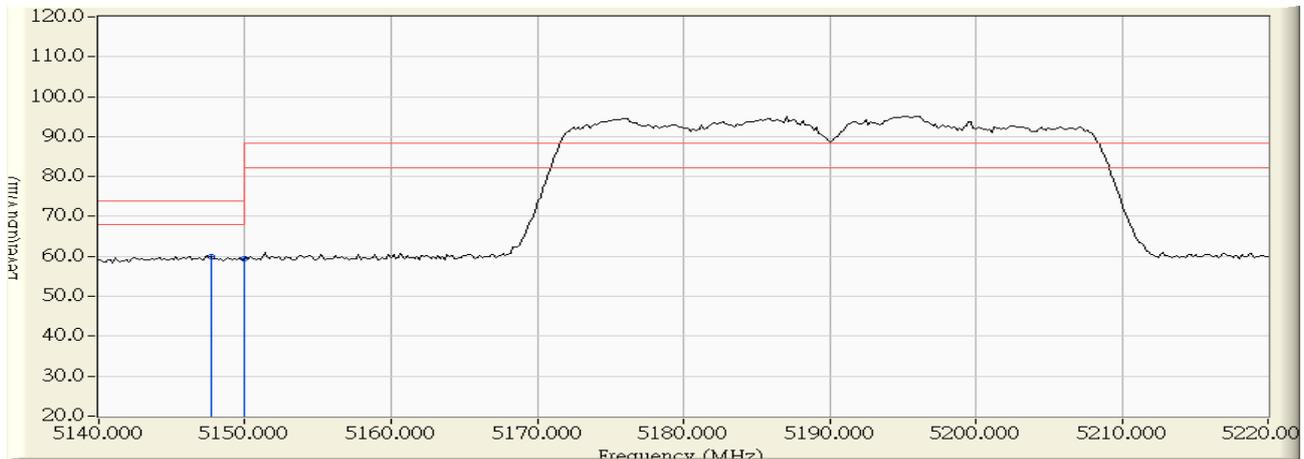


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5146.860	0.807	46.528	47.334	-6.666	54.000	AVERAGE
2		5150.000	0.831	46.183	47.014	-6.986	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/05/19 - 13:07
Limit : FCC_SpartE_15.407_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 : 5190MHz,802.11ac(40M)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5147.680	0.812	59.064	59.877	-14.123	74.000	PEAK
2		5150.000	0.831	58.705	59.536	-14.464	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 = 1MHz, 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 : 2012/05/19 - 13:08
Limit : FCC_SpartE_15.407_H_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 : 5190MHz,802.11ac(40M)

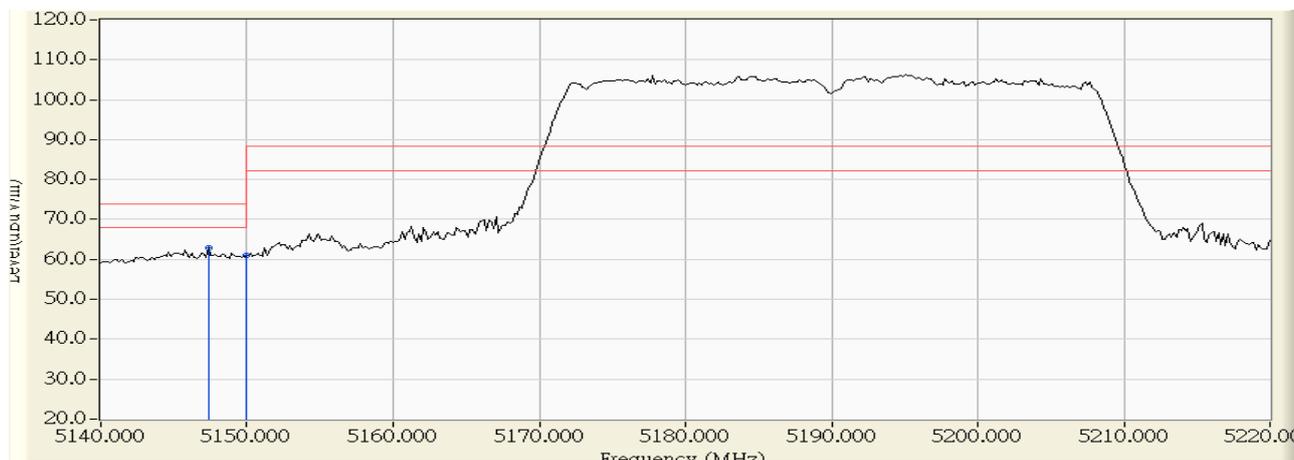


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5148.800	0.821	45.516	46.337	-7.663	54.000	AVERAGE
2	* 5150.000	0.831	45.619	46.450	-7.550	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/05/19 - 13:02
Limit : FCC_SpartE_15.407_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 : 5190MHz,802.11ac(40M)

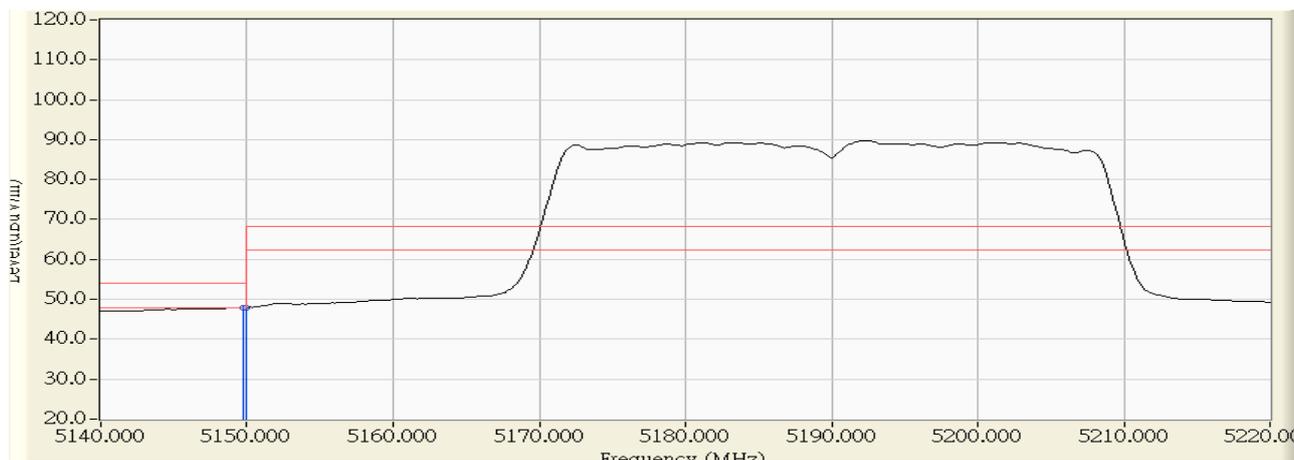


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5147.360	0.810	62.053	62.863	-11.137	74.000	PEAK
2		5150.000	0.831	60.111	60.942	-13.058	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/05/19 - 13:02
Limit : FCC_SpartE_15.407_H_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 : 5190MHz,802.11ac(40M)

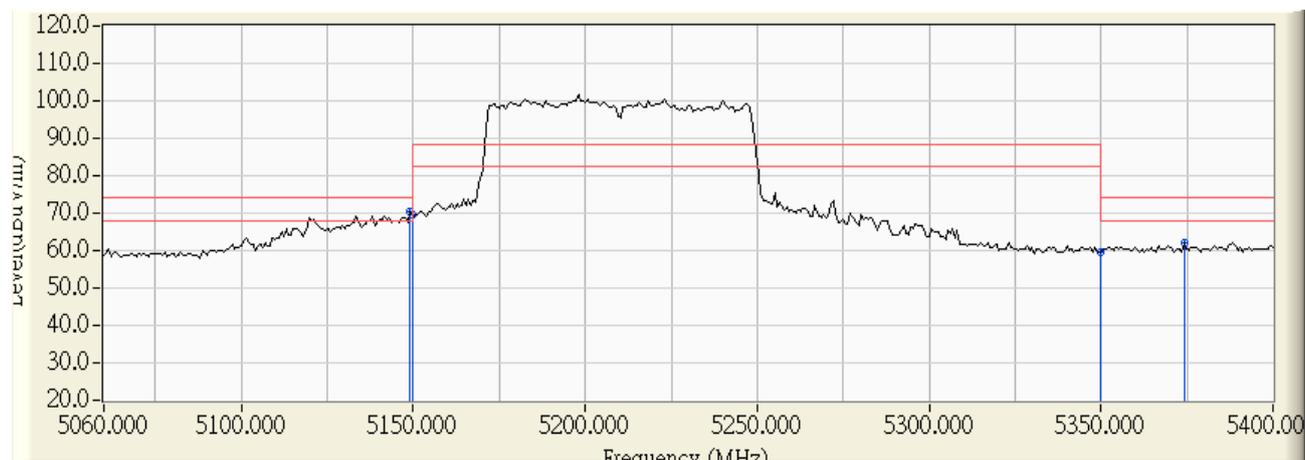


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5149.760	0.829	47.124	47.953	-6.047	54.000	AVERAGE
2	* 5150.000	0.831	47.169	48.000	-6.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 11:39
Limit : FCC_SpartE_15.407_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 : 5210MHz,802.11ac(80M)

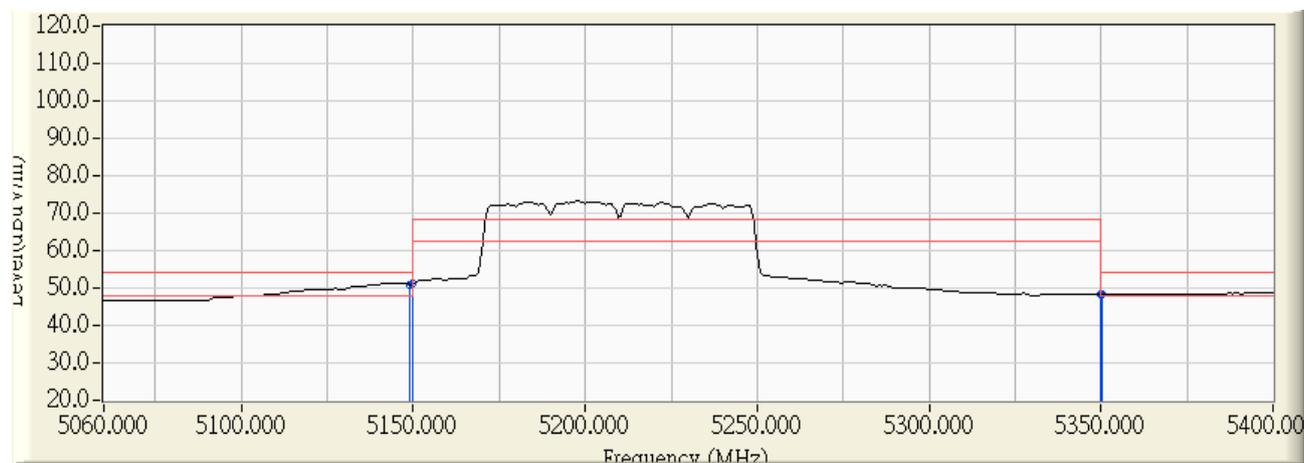


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5149.080	0.823	69.478	70.302	-3.698	74.000	PEAK
2		5150.000	0.831	68.594	69.425	-4.575	74.000	PEAK
3		5350.000	2.394	57.294	59.688	-14.312	74.000	PEAK
4		5374.160	2.582	59.297	61.879	-12.121	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 = 1MHz, 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 : 2012/04/24 - 11:41
Limit : FCC_SpartE_15.407_H_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 : 5210MHz,802.11ac(80M)

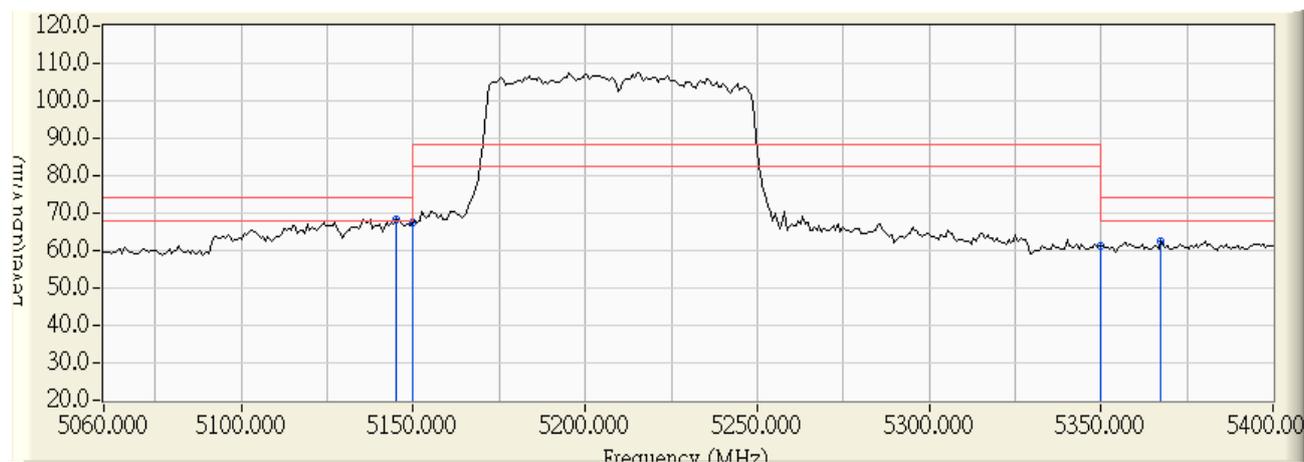


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5149.080	0.823	50.195	51.019	-2.981	54.000	AVERAGE
2	* 5150.000	0.831	50.237	51.068	-2.932	54.000	AVERAGE
3	5350.000	2.394	45.860	48.254	-5.746	54.000	AVERAGE
4	5350.360	2.397	45.832	48.228	-5.772	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 = 1MHz, 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 : 2012/04/24 - 11:44
Limit : FCC_SpartE_15.407_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 : 5210MHz,802.11ac(80M)

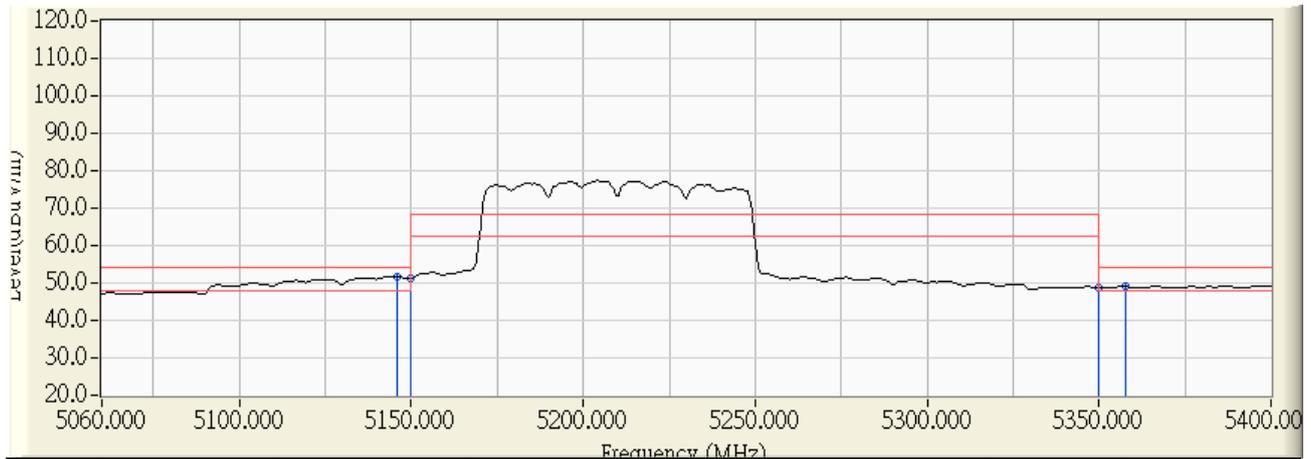


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5145.000	0.792	67.486	68.278	-5.722	74.000	PEAK
2		5150.000	0.831	66.697	67.528	-6.472	74.000	PEAK
3		5350.000	2.394	58.892	61.286	-12.714	74.000	PEAK
4		5367.360	2.529	60.045	62.574	-11.426	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, 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 : 2012/04/24 - 11:46
Limit : FCC_SpartE_15.407_H_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 : 5210MHz,802.11ac(80M)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5145.680	0.797	50.968	51.765	-2.235	54.000	AVERAGE
2		5150.000	0.831	50.350	51.181	-2.819	54.000	AVERAGE
3		5350.000	2.394	46.303	48.697	-5.303	54.000	AVERAGE
4		5357.840	2.454	46.519	48.974	-5.026	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 = 1MHz, 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.

9. Frequency Stability

9.1. Test Equipment

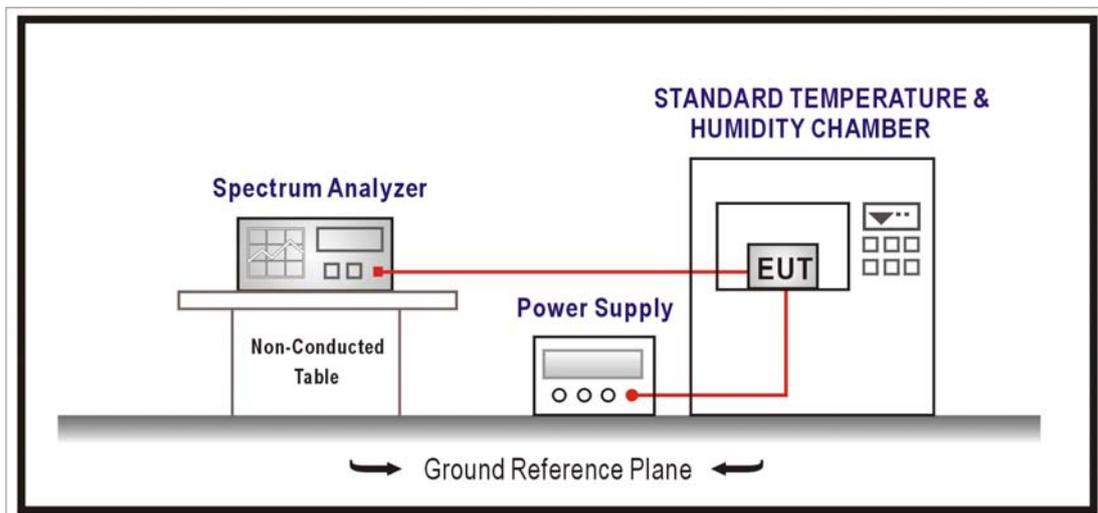
The following test equipments are used during the radiated emission tests:

Frequency Stability / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2013/02/19
Standard Temperature & Humidity Chamber	WIT	TH-1S-B	1082101	2013/01/29

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

9.2. Test Setup



9.3. Limits

Manufactures of all devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified

9.4. Test Procedure

The EUT was setup to ANSI C63.4, 2009; tested to DTS test procedure of Aug 2002 DA 02-2138 for compliance to FCC 47CFR Subpart E requirements.

9.5. Uncertainty

The measurement uncertainty is defined as ± 150 Hz

9.6. Test Result

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11a - 5180MHz		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0010	0.1931	PASS
-10		5180.0010	0.1931	PASS
0		5180.0010	0.1931	PASS
10		5180.0010	0.1931	PASS
20		5180.0010	0.1931	PASS
30		5180.0010	0.1931	PASS
40		5180.0010	0.1931	PASS
50		5180.0010	0.1931	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.0010	0.1931	PASS
	120	5180.0010	0.1931	PASS
	138	5180.0010	0.1931	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11a - 5240MHz		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0010	0.1908	PASS
-10		5240.0010	0.1908	PASS
0		5240.0010	0.1908	PASS
10		5240.0010	0.1908	PASS
20		5240.0010	0.1908	PASS
30		5240.0010	0.1908	PASS
40		5240.0010	0.1908	PASS
50		5240.0010	0.1908	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.0010	0.1908	PASS
	120	5240.0010	0.1908	PASS
	138	5240.0010	0.1908	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11n_20M - 5180MHz(ANT 0)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0010	0.1931	PASS
-10		5180.0010	0.1931	PASS
0		5180.0010	0.1931	PASS
10		5180.0010	0.1931	PASS
20		5180.0010	0.1931	PASS
30		5180.0010	0.1931	PASS
40		5180.0010	0.1931	PASS
50		5180.0010	0.1931	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.0010	0.1931	PASS
	120	5180.0010	0.1931	PASS
	138	5180.0010	0.1931	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11n_20M - 5240MHz(ANT 0)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0010	0.1908	PASS
-10		5240.0010	0.1908	PASS
0		5240.0010	0.1908	PASS
10		5240.0010	0.1908	PASS
20		5240.0010	0.1908	PASS
30		5240.0010	0.1908	PASS
40		5240.0010	0.1908	PASS
50		5240.0010	0.1908	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.0010	0.1908	PASS
	120	5240.0010	0.1908	PASS
	138	5240.0010	0.1908	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11n_20M - 5180MHz(ANT 1)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0010	0.1931	PASS
-10		5180.0010	0.1931	PASS
0		5180.0010	0.1931	PASS
10		5180.0010	0.1931	PASS
20		5180.0010	0.1931	PASS
30		5180.0010	0.1931	PASS
40		5180.0010	0.1931	PASS
50		5180.0010	0.1931	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.0010	0.1931	PASS
	120	5180.0010	0.1931	PASS
	138	5180.0010	0.1931	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11n_20M - 5240MHz(ANT 1)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0010	0.1908	PASS
-10		5240.0010	0.1908	PASS
0		5240.0010	0.1908	PASS
10		5240.0010	0.1908	PASS
20		5240.0010	0.1908	PASS
30		5240.0010	0.1908	PASS
40		5240.0010	0.1908	PASS
50		5240.0010	0.1908	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.0010	0.1908	PASS
	120	5240.0010	0.1908	PASS
	138	5240.0010	0.1908	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11n_20M - 5180MHz (ANT 2)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0010	0.1931	PASS
-10		5180.0010	0.1931	PASS
0		5180.0010	0.1931	PASS
10		5180.0010	0.1931	PASS
20		5180.0010	0.1931	PASS
30		5180.0010	0.1931	PASS
40		5180.0010	0.1931	PASS
50		5180.0010	0.1931	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.0010	0.1931	PASS
	120	5180.0010	0.1931	PASS
	138	5180.0010	0.1931	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11n_20M - 5240MHz (ANT 2)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0010	0.1908	PASS
-10		5240.0010	0.1908	PASS
0		5240.0010	0.1908	PASS
10		5240.0010	0.1908	PASS
20		5240.0010	0.1908	PASS
30		5240.0010	0.1908	PASS
40		5240.0010	0.1908	PASS
50		5240.0010	0.1908	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.0010	0.1908	PASS
	120	5240.0010	0.1908	PASS
	138	5240.0010	0.1908	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11n_40M - 5190MHz(ANT 0)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0010	0.1927	PASS
-10		5190.0010	0.1927	PASS
0		5190.0010	0.1927	PASS
10		5190.0010	0.1927	PASS
20		5190.0010	0.1927	PASS
30		5190.0010	0.1927	PASS
40		5190.0010	0.1927	PASS
50		5190.0010	0.1927	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.0010	0.1927	PASS
	120	5190.0010	0.1927	PASS
	138	5190.0010	0.1927	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11n_40M - 5230MHz(ANT 0)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.0010	0.1912	PASS
-10		5230.0010	0.1912	PASS
0		5230.0010	0.1912	PASS
10		5230.0010	0.1912	PASS
20		5230.0010	0.1912	PASS
30		5230.0010	0.1912	PASS
40		5230.0010	0.1912	PASS
50		5230.0010	0.1912	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.0010	0.1912	PASS
	120	5230.0010	0.1912	PASS
	138	5230.0010	0.1912	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11n_40M - 5190MHz(ANT 1)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0010	0.1927	PASS
-10		5190.0010	0.1927	PASS
0		5190.0010	0.1927	PASS
10		5190.0010	0.1927	PASS
20		5190.0010	0.1927	PASS
30		5190.0010	0.1927	PASS
40		5190.0010	0.1927	PASS
50		5190.0010	0.1927	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.0010	0.1927	PASS
	120	5190.0010	0.1927	PASS
	138	5190.0010	0.1927	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11n_40M - 5230MHz(ANT 1)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.0010	0.1912	PASS
-10		5230.0010	0.1912	PASS
0		5230.0010	0.1912	PASS
10		5230.0010	0.1912	PASS
20		5230.0010	0.1912	PASS
30		5230.0010	0.1912	PASS
40		5230.0010	0.1912	PASS
50		5230.0010	0.1912	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.0010	0.1912	PASS
	120	5230.0010	0.1912	PASS
	138	5230.0010	0.1912	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11n_40M - 5190MHz(ANT 2)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0010	0.1927	PASS
-10		5190.0010	0.1927	PASS
0		5190.0010	0.1927	PASS
10		5190.0010	0.1927	PASS
20		5190.0010	0.1927	PASS
30		5190.0010	0.1927	PASS
40		5190.0010	0.1927	PASS
50		5190.0010	0.1927	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.0010	0.1927	PASS
	120	5190.0010	0.1927	PASS
	138	5190.0010	0.1927	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11n_40M -5230MHz(ANT 2)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.0010	0.1912	PASS
-10		5230.0010	0.1912	PASS
0		5230.0010	0.1912	PASS
10		5230.0010	0.1912	PASS
20		5230.0010	0.1912	PASS
30		5230.0010	0.1912	PASS
40		5230.0010	0.1912	PASS
50		5230.0010	0.1912	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.0010	0.1912	PASS
	120	5230.0010	0.1912	PASS
	138	5230.0010	0.1912	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_20M - 5180MHz(ANT 0)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0010	0.1931	PASS
-10		5180.0010	0.1931	PASS
0		5180.0010	0.1931	PASS
10		5180.0010	0.1931	PASS
20		5180.0010	0.1931	PASS
30		5180.0010	0.1931	PASS
40		5180.0010	0.1931	PASS
50		5180.0010	0.1931	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.0010	0.1931	PASS
	120	5180.0010	0.1931	PASS
	138	5180.0010	0.1931	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_20M - 5240MHz(ANT 0)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0010	0.1908	PASS
-10		5240.0010	0.1908	PASS
0		5240.0010	0.1908	PASS
10		5240.0010	0.1908	PASS
20		5240.0010	0.1908	PASS
30		5240.0010	0.1908	PASS
40		5240.0010	0.1908	PASS
50		5240.0010	0.1908	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.0010	0.1908	PASS
	120	5240.0010	0.1908	PASS
	138	5240.0010	0.1908	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_20M - 5180MHz(ANT 1)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0010	0.1931	PASS
-10		5180.0010	0.1931	PASS
0		5180.0010	0.1931	PASS
10		5180.0010	0.1931	PASS
20		5180.0010	0.1931	PASS
30		5180.0010	0.1931	PASS
40		5180.0010	0.1931	PASS
50		5180.0010	0.1931	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.0010	0.1931	PASS
	120	5180.0010	0.1931	PASS
	138	5180.0010	0.1931	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_20M - 5240MHz(ANT 1)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0010	0.1908	PASS
-10		5240.0010	0.1908	PASS
0		5240.0010	0.1908	PASS
10		5240.0010	0.1908	PASS
20		5240.0010	0.1908	PASS
30		5240.0010	0.1908	PASS
40		5240.0010	0.1908	PASS
50		5240.0010	0.1908	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.0010	0.1908	PASS
	120	5240.0010	0.1908	PASS
	138	5240.0010	0.1908	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_20M - 5180MHz (ANT 2)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0010	0.1931	PASS
-10		5180.0010	0.1931	PASS
0		5180.0010	0.1931	PASS
10		5180.0010	0.1931	PASS
20		5180.0010	0.1931	PASS
30		5180.0010	0.1931	PASS
40		5180.0010	0.1931	PASS
50		5180.0010	0.1931	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.0010	0.1931	PASS
	120	5180.0010	0.1931	PASS
	138	5180.0010	0.1931	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_20M - 5240MHz (ANT 2)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0010	0.1908	PASS
-10		5240.0010	0.1908	PASS
0		5240.0010	0.1908	PASS
10		5240.0010	0.1908	PASS
20		5240.0010	0.1908	PASS
30		5240.0010	0.1908	PASS
40		5240.0010	0.1908	PASS
50		5240.0010	0.1908	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.0010	0.1908	PASS
	120	5240.0010	0.1908	PASS
	138	5240.0010	0.1908	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_40M - 5190MHz(ANT 0)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0010	0.1927	PASS
-10		5190.0010	0.1927	PASS
0		5190.0010	0.1927	PASS
10		5190.0010	0.1927	PASS
20		5190.0010	0.1927	PASS
30		5190.0010	0.1927	PASS
40		5190.0010	0.1927	PASS
50		5190.0010	0.1927	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.0010	0.1927	PASS
	120	5190.0010	0.1927	PASS
	138	5190.0010	0.1927	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_40M - 5230MHz(ANT 0)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.0010	0.1912	PASS
-10		5230.0010	0.1912	PASS
0		5230.0010	0.1912	PASS
10		5230.0010	0.1912	PASS
20		5230.0010	0.1912	PASS
30		5230.0010	0.1912	PASS
40		5230.0010	0.1912	PASS
50		5230.0010	0.1912	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.0010	0.1912	PASS
	120	5230.0010	0.1912	PASS
	138	5230.0010	0.1912	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_40M - 5190MHz(ANT 1)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0010	0.1927	PASS
-10		5190.0010	0.1927	PASS
0		5190.0010	0.1927	PASS
10		5190.0010	0.1927	PASS
20		5190.0010	0.1927	PASS
30		5190.0010	0.1927	PASS
40		5190.0010	0.1927	PASS
50		5190.0010	0.1927	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.0010	0.1927	PASS
	120	5190.0010	0.1927	PASS
	138	5190.0010	0.1927	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_40M - 5230MHz(ANT 1)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.0010	0.1912	PASS
-10		5230.0010	0.1912	PASS
0		5230.0010	0.1912	PASS
10		5230.0010	0.1912	PASS
20		5230.0010	0.1912	PASS
30		5230.0010	0.1912	PASS
40		5230.0010	0.1912	PASS
50		5230.0010	0.1912	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.0010	0.1912	PASS
	120	5230.0010	0.1912	PASS
	138	5230.0010	0.1912	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_40M - 5190MHz(ANT 2)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.0010	0.1927	PASS
-10		5190.0010	0.1927	PASS
0		5190.0010	0.1927	PASS
10		5190.0010	0.1927	PASS
20		5190.0010	0.1927	PASS
30		5190.0010	0.1927	PASS
40		5190.0010	0.1927	PASS
50		5190.0010	0.1927	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.0010	0.1927	PASS
	120	5190.0010	0.1927	PASS
	138	5190.0010	0.1927	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_40M - 5230MHz(ANT 2)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.0010	0.1912	PASS
-10		5230.0010	0.1912	PASS
0		5230.0010	0.1912	PASS
10		5230.0010	0.1912	PASS
20		5230.0010	0.1912	PASS
30		5230.0010	0.1912	PASS
40		5230.0010	0.1912	PASS
50		5230.0010	0.1912	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.0010	0.1912	PASS
	120	5230.0010	0.1912	PASS
	138	5230.0010	0.1912	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_80M -5210MHz(ANT0)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.0010	0.1919	PASS
-10		5210.0010	0.1919	PASS
0		5210.0010	0.1919	PASS
10		5210.0010	0.1919	PASS
20		5210.0010	0.1919	PASS
30		5210.0010	0.1919	PASS
40		5210.0010	0.1919	PASS
50		5210.0010	0.1919	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5210.0010	0.1919	PASS
	120	5210.0010	0.1919	PASS
	138	5210.0010	0.1919	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_80M -5210MHz(ANT1)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.0010	0.1919	PASS
-10		5210.0010	0.1919	PASS
0		5210.0010	0.1919	PASS
10		5210.0010	0.1919	PASS
20		5210.0010	0.1919	PASS
30		5210.0010	0.1919	PASS
40		5210.0010	0.1919	PASS
50		5210.0010	0.1919	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5210.0010	0.1919	PASS
	120	5210.0010	0.1919	PASS
	138	5210.0010	0.1919	PASS

Product	Dual Band 3x3 802.11AC Gigabit Router		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Adapter: EXA1004UH) - 802.11ac_80M -5210MHz(ANT2)		
Date of Test	2012/05/02	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.0010	0.1919	PASS
-10		5210.0010	0.1919	PASS
0		5210.0010	0.1919	PASS
10		5210.0010	0.1919	PASS
20		5210.0010	0.1919	PASS
30		5210.0010	0.1919	PASS
40		5210.0010	0.1919	PASS
50		5210.0010	0.1919	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5210.0010	0.1919	PASS
	120	5210.0010	0.1919	PASS
	138	5210.0010	0.1919	PASS