

5. Peak Power Spectrum Density

5.1. Test Equipment

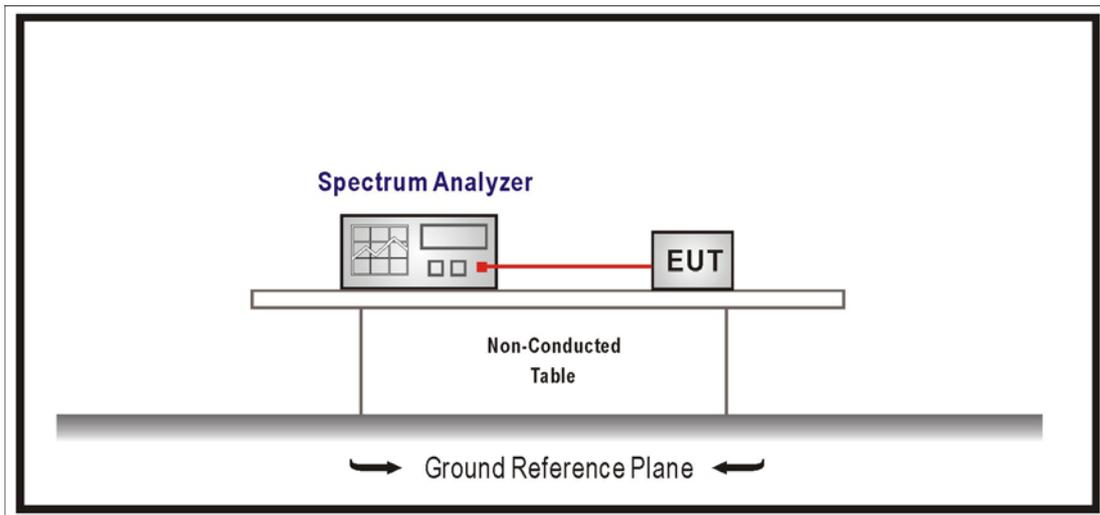
The following test equipments are used during the radiated emission tests:

Peak Power Spectrum Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2013/07/31

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

5.2. Test Setup



5.3. Limits

1. For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 4 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
2. For the band 5.25-5.35 GHz, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
3. For the band 5.725-5.825 GHz, the peak power spectral density shall not exceed 17 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

5.4. Test Procedure

The EUT was setup to ANSI C63.4, 2009; tested to U-NII test procedure of March 2012 KDB 789033 for compliance to FCC 47CFR Subpart E requirements.

Set RBW=1MHz, VBW=3MHz with RMS detector. The PPSD is the highest level found across the emission in any 1-MHz band after 100 sweeps of averaging.

5.5. Uncertainty

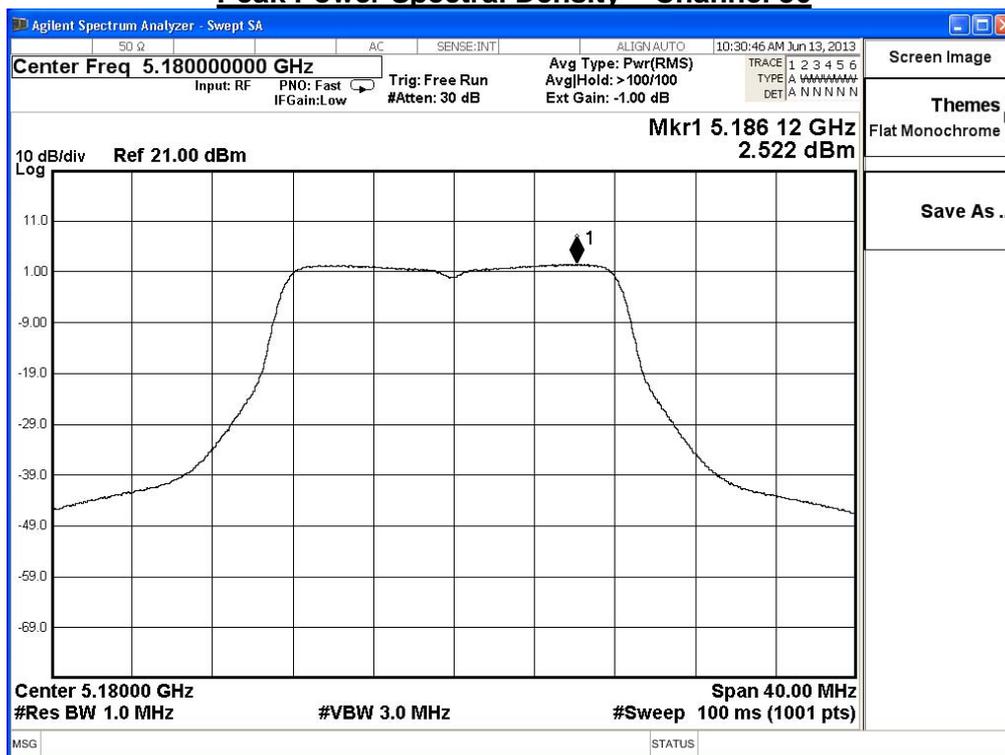
The measurement uncertainty is defined as ± 1.27 dB

5.6. Test Result

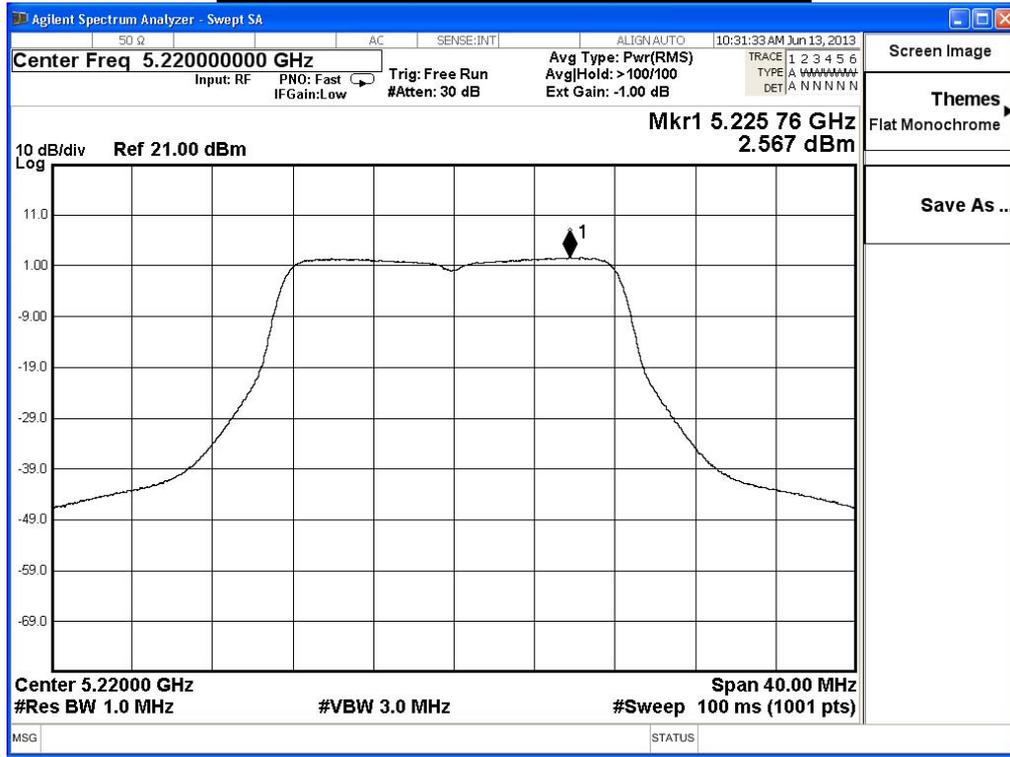
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/13	Test Site	SR7

IEEE 802.11a				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	2.522	≤ 4	Pass
44	5220	2.567	≤ 4	Pass
48	5240	2.492	≤ 4	Pass

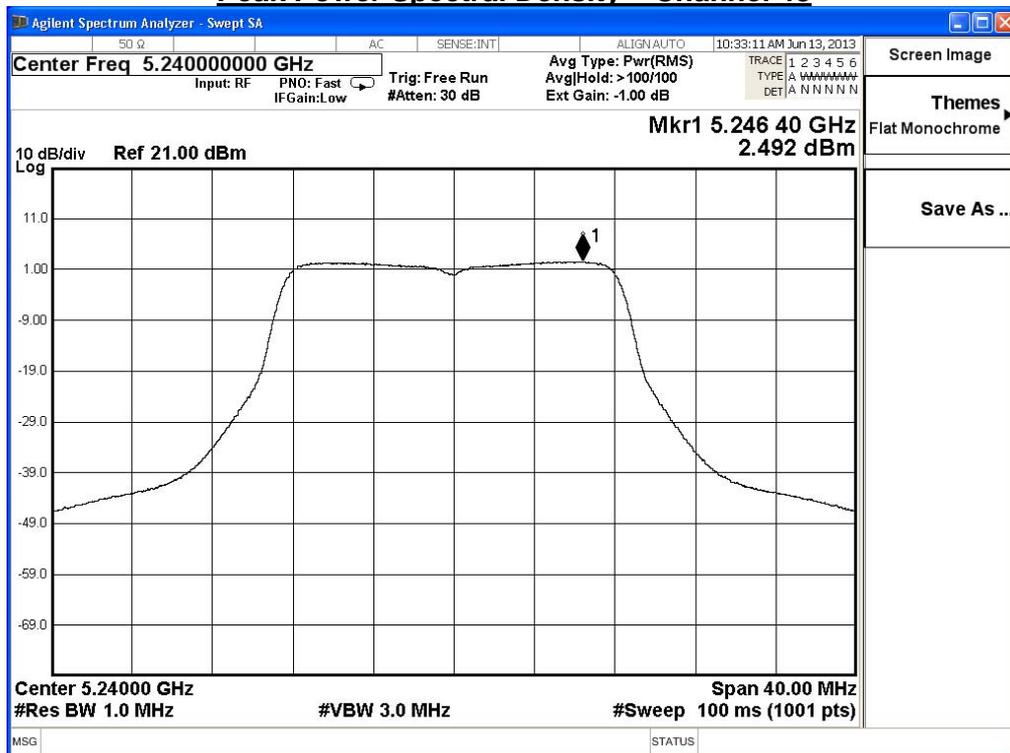
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



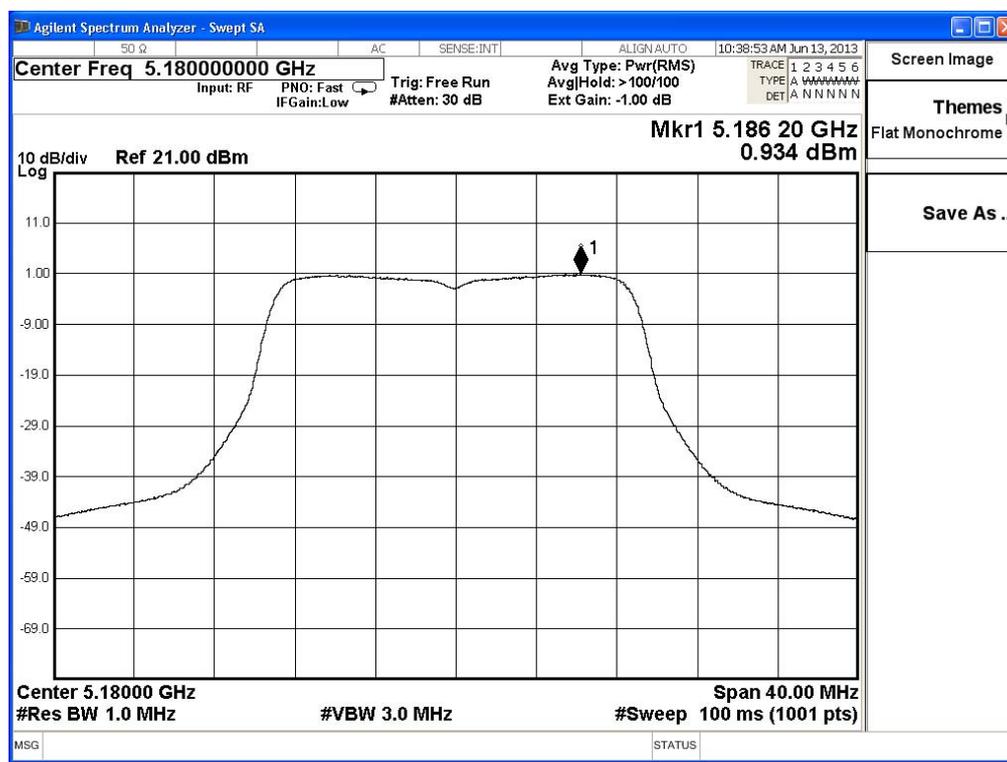
Peak Power Spectral Density – Channel 48



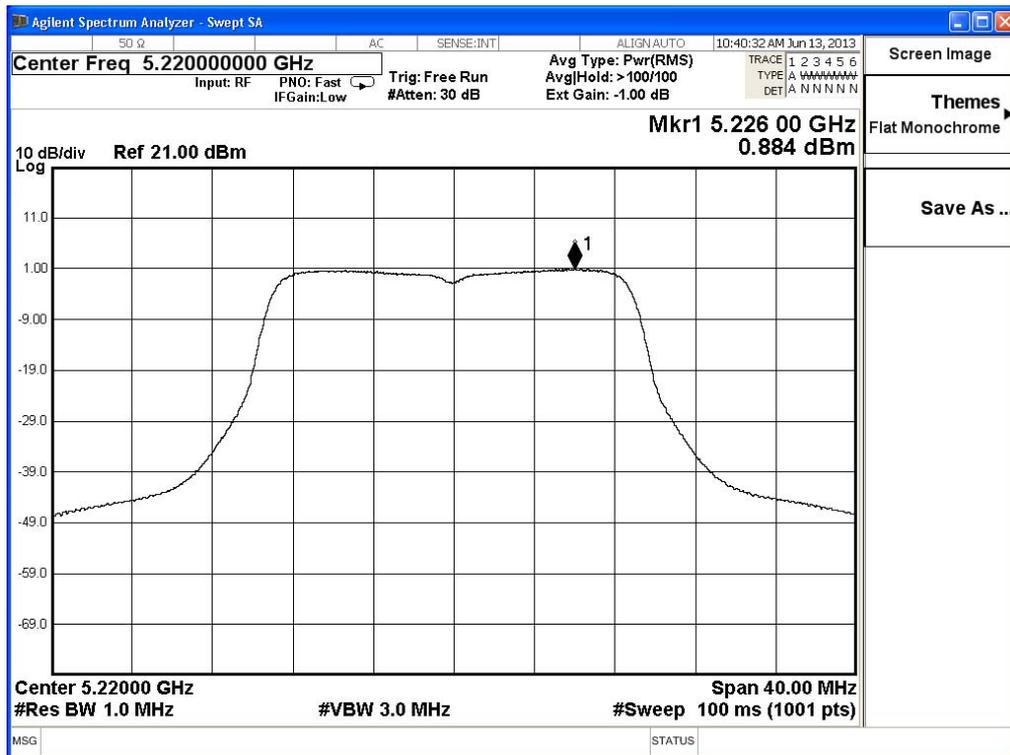
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/13	Test Site	SR7

IEEE 802.11n_20M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	0.934	≤ 4	Pass
44	5220	0.884	≤ 4	Pass
48	5240	0.952	≤ 4	Pass

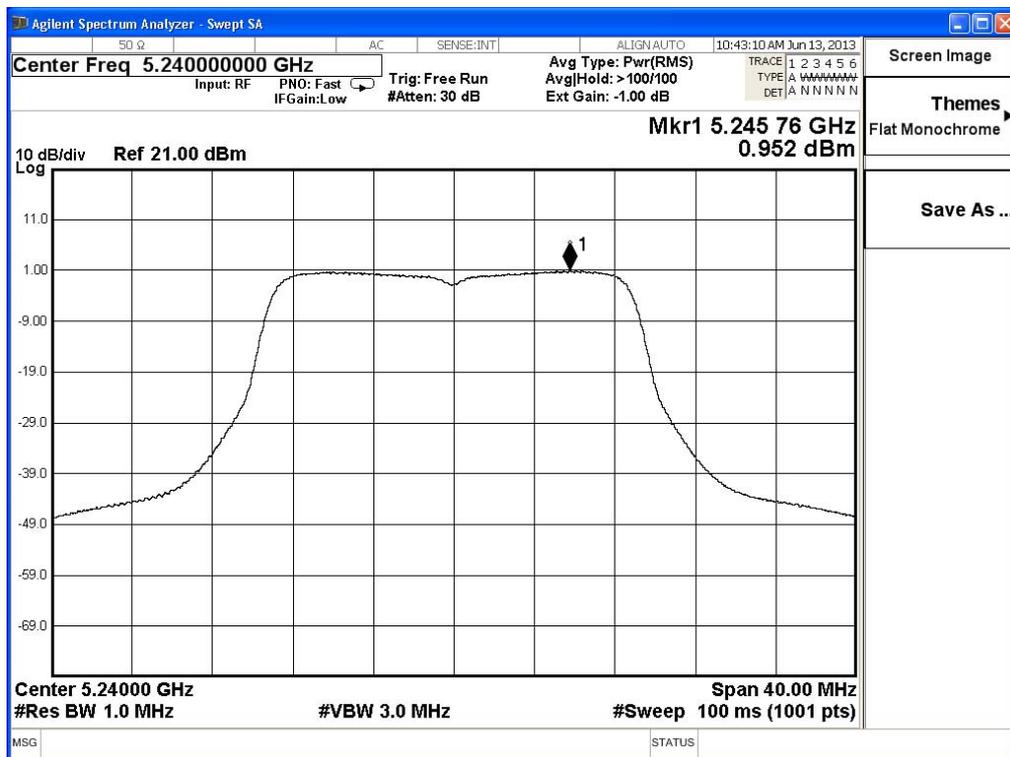
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



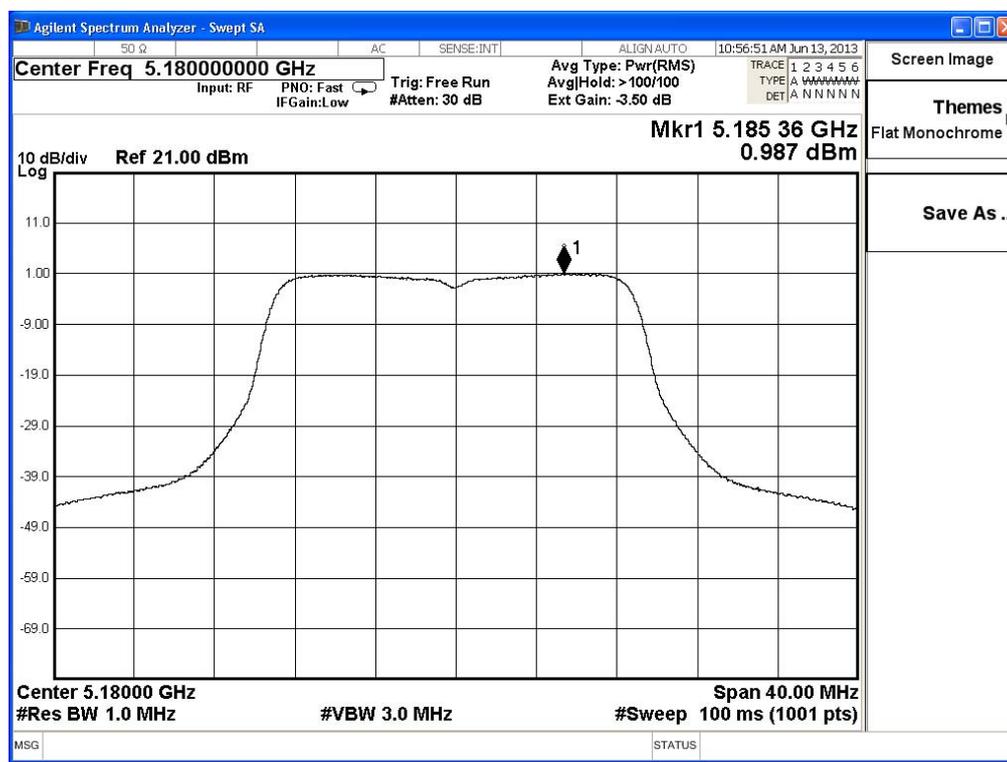
Peak Power Spectral Density – Channel 48



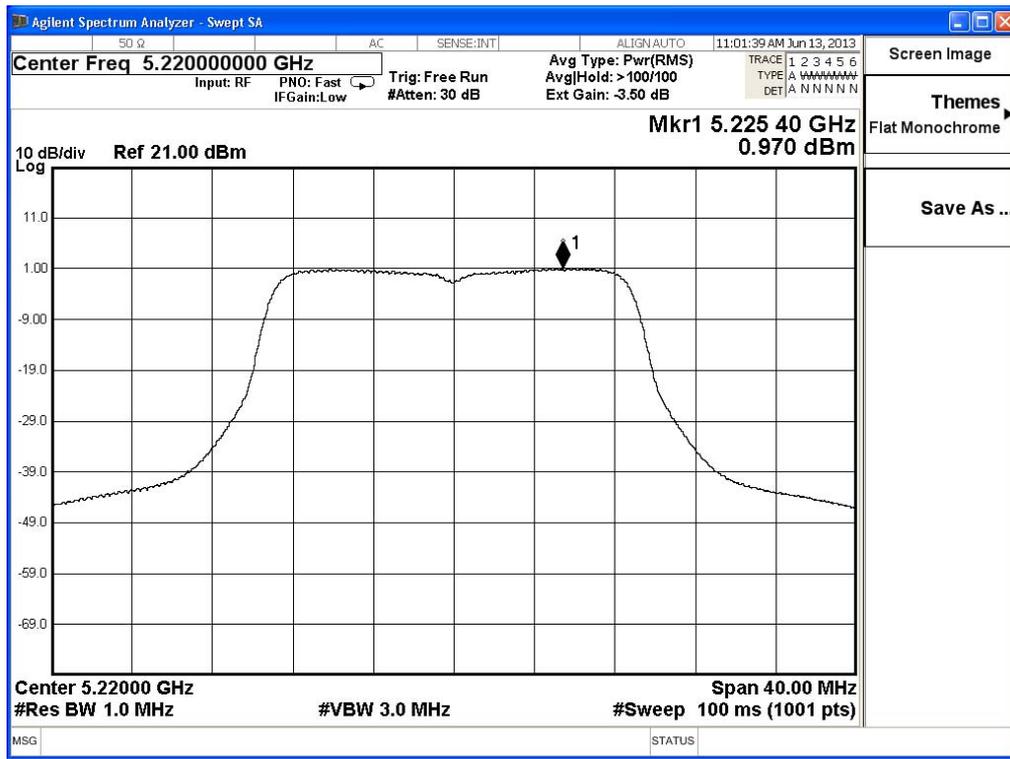
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/13	Test Site	SR7

IEEE 802.11n_20M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	0.987	≤ 4	Pass
44	5220	0.970	≤ 4	Pass
48	5240	0.902	≤ 4	Pass

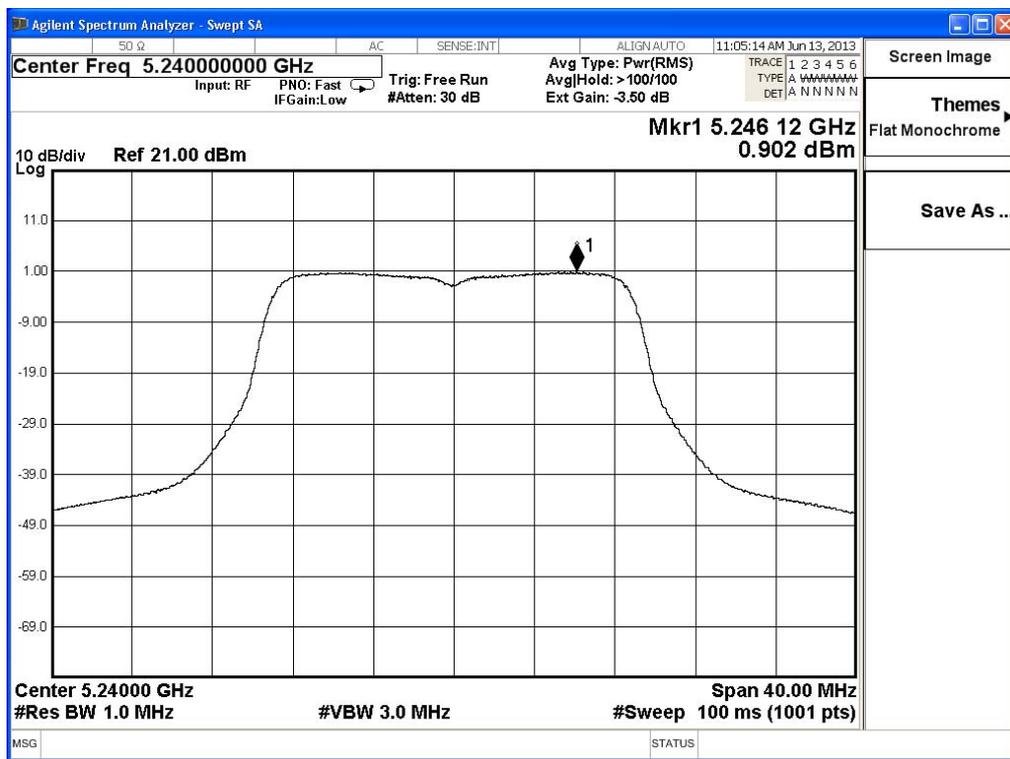
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



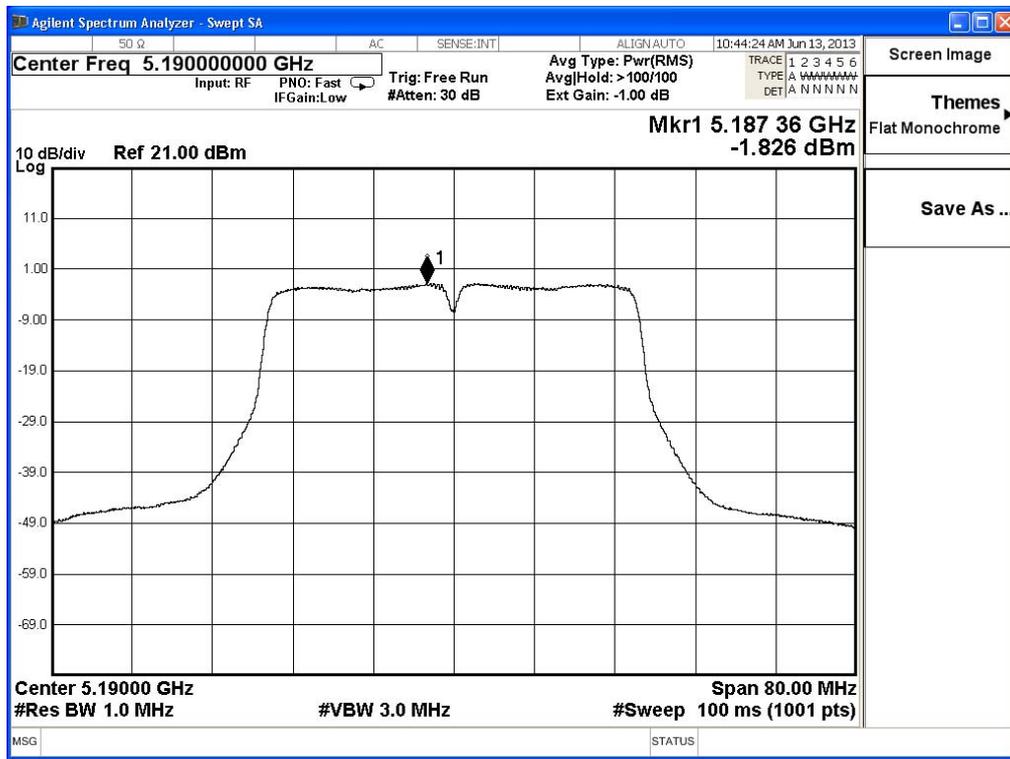
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/13	Test Site	SR7

IEEE 802.11n_20M(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	3.97	≤ 4	Pass
44	5220	3.94	≤ 4	Pass
48	5240	3.94	≤ 4	Pass

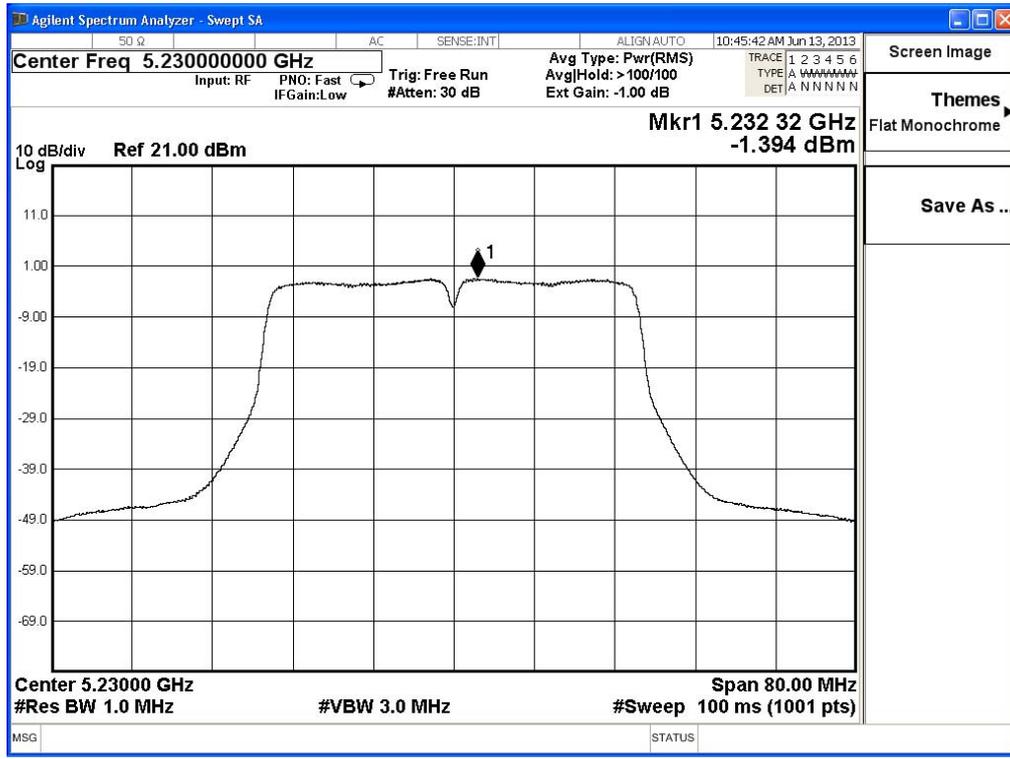
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/13	Test Site	SR7

IEEE 802.11n_40M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	-1.826	≤ 4	Pass
46	5230	-1.394	≤ 4	Pass

Peak Power Spectral Density – Channel 38



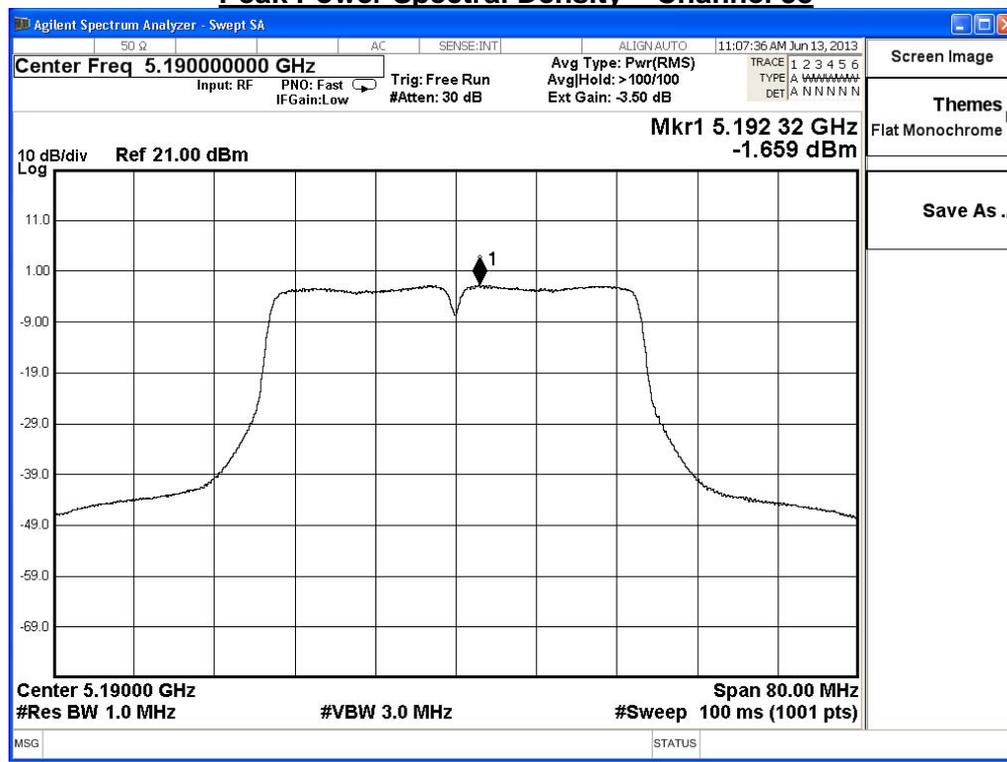
Peak Power Spectral Density – Channel 46



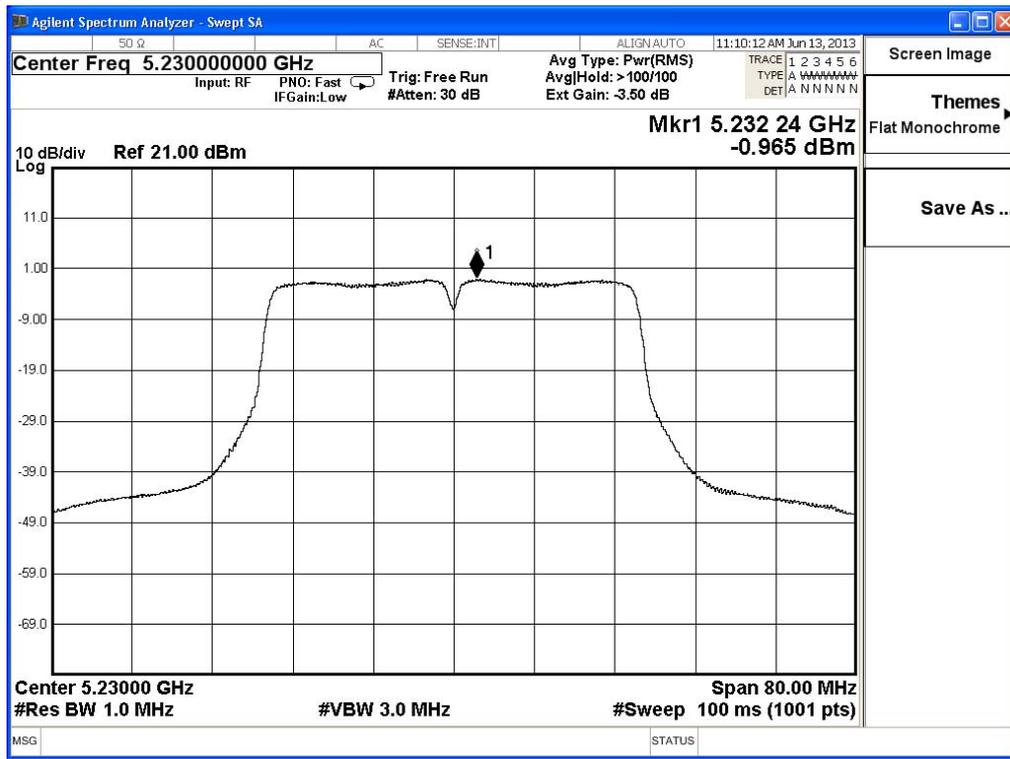
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/13	Test Site	SR7

IEEE 802.11n_40M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	-1.659	≤ 4	Pass
46	5230	-0.965	≤ 4	Pass

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



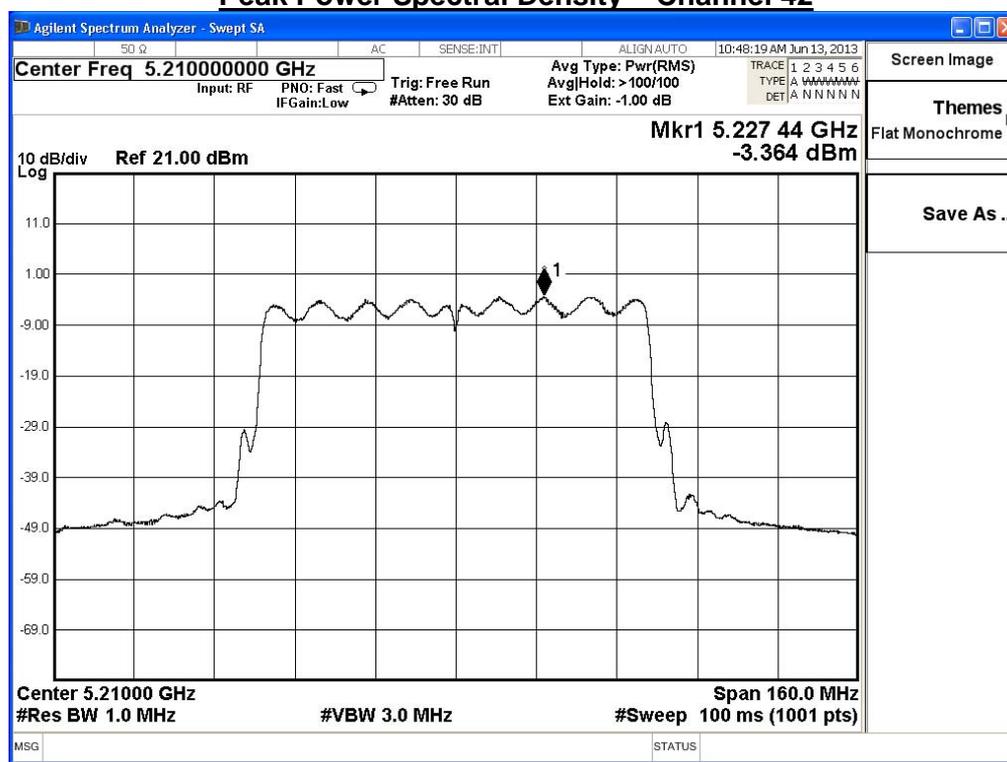
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/13	Test Site	SR7

IEEE 802.11n_40M(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	1.27	≤ 4	Pass
46	5230	1.84	≤ 4	Pass

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/13	Test Site	SR7

IEEE 802.11ac_80M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-3.364	≤ 4	Pass

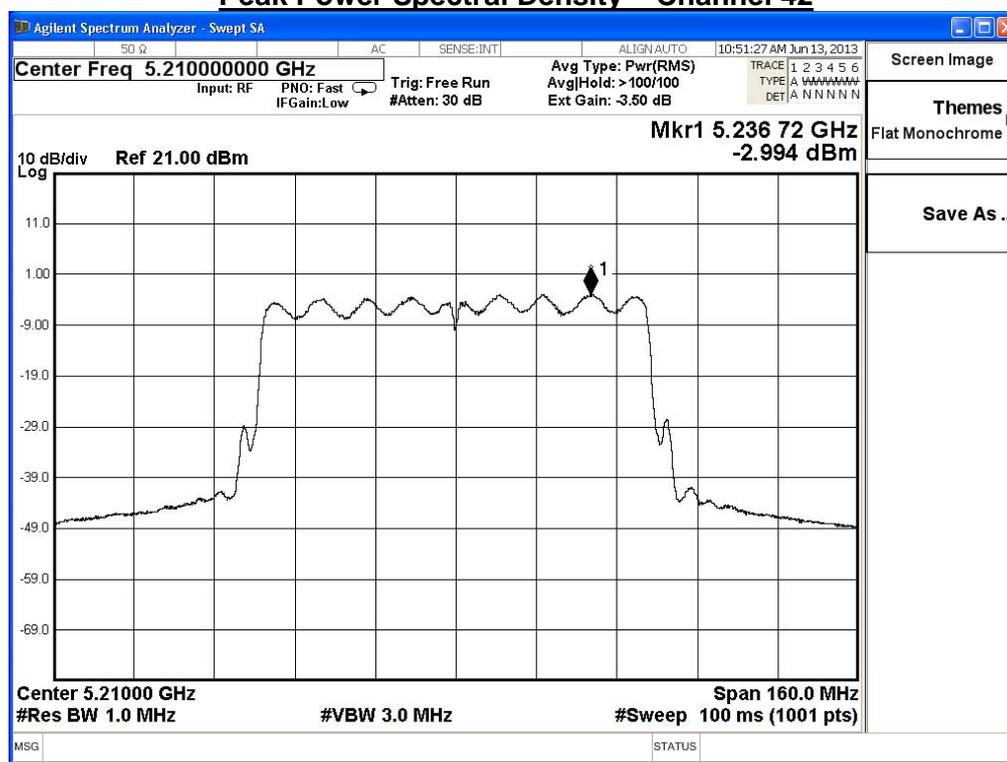
Peak Power Spectral Density – Channel 42



Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/13	Test Site	SR7

IEEE 802.11ac_80M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-2.994	≤ 4	Pass

Peak Power Spectral Density – Channel 42



Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/13	Test Site	SR7

IEEE 802.11ac_80M(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-0.16	≤ 4	Pass

6. Peak Excursion

6.1. Test Equipment

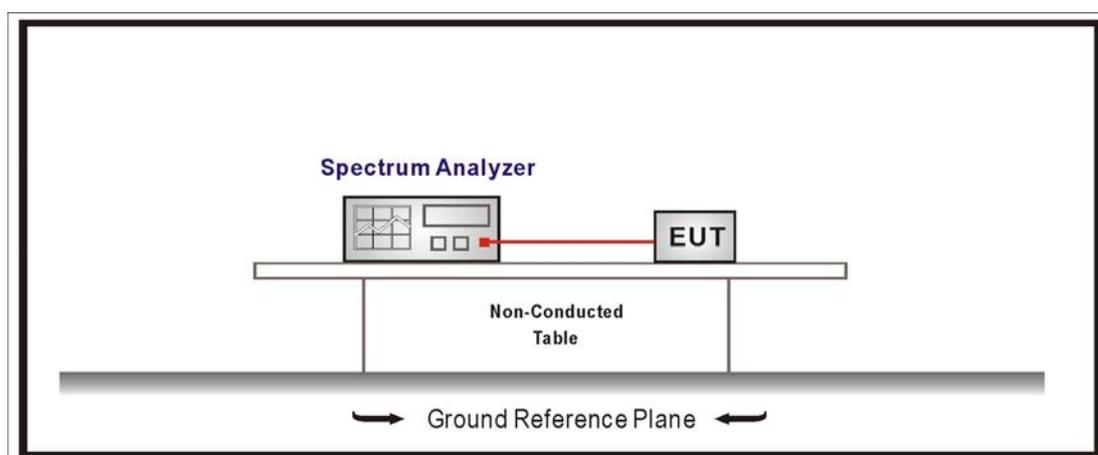
The following test equipments are used during the radiated emission tests:

Peak Excursion / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2013/07/31

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

6.2. Test Setup



6.3. Limits

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the peak transmit power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

6.4. Test Procedure

The EUT was setup to ANSI C63.4, 2009; tested to U-NII test procedure of March 2012 KDB 789033 for compliance to FCC 47CFR Subpart E requirements.

1st Trace:

Set RBW = 1MHz, VBW = 3MHz with peak detector and max-hold settings.

2nd Trace:

Set RBW = 1MHz, VBW = 3MHz with RMS detector and trace average 100 traces in power averaging mode.

6.5. Uncertainty

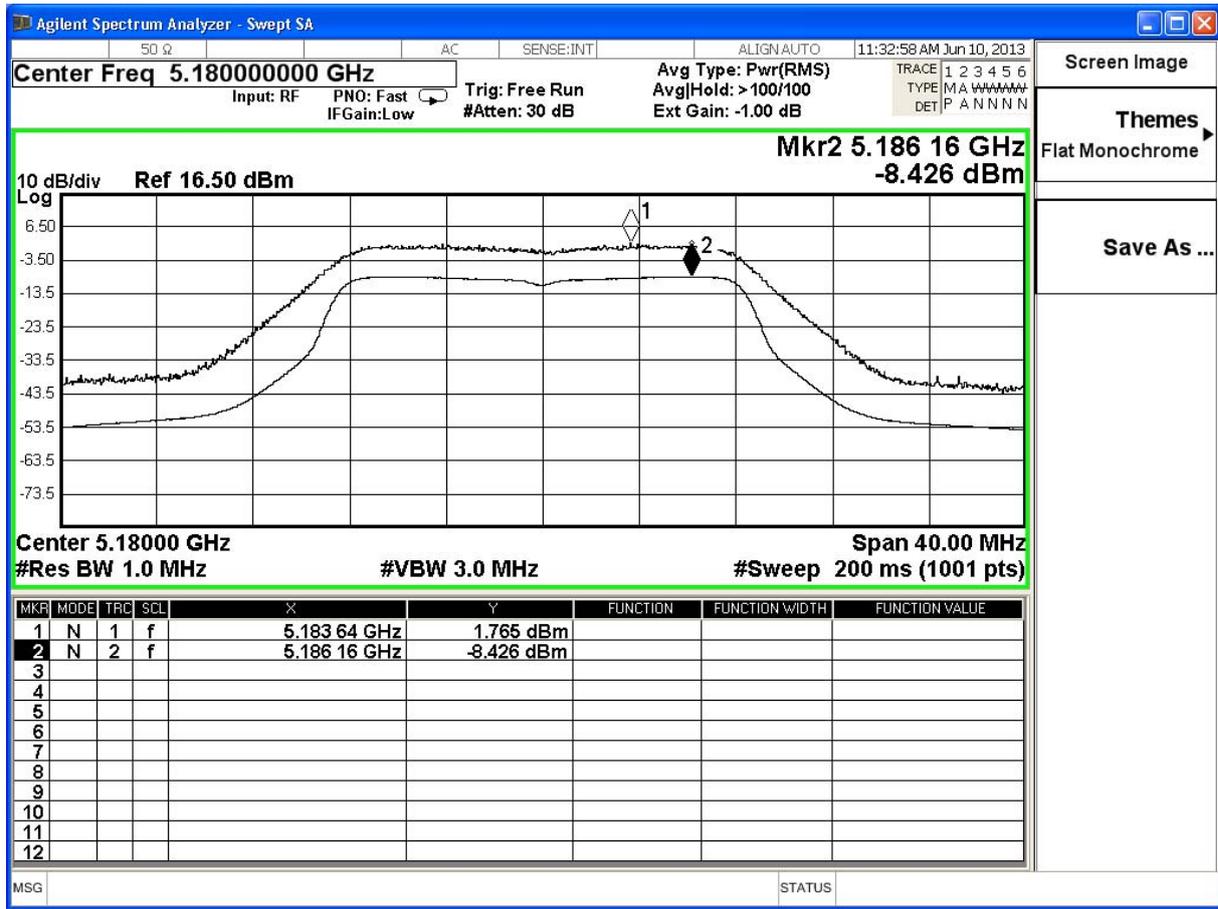
The measurement uncertainty is defined as ± 1.27 dB

6.6. Test Result

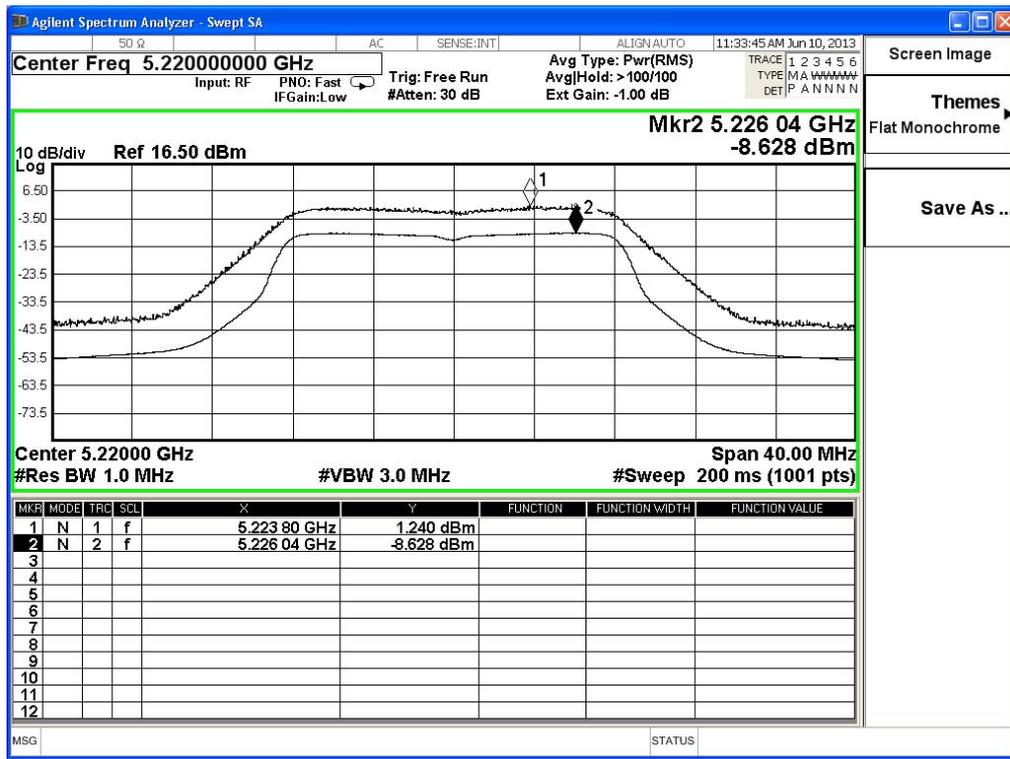
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

IEEE 802.11a				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
36	5180	10.191	≤ 13	Pass
44	5220	9.868	≤ 13	Pass
48	5240	9.739	≤ 13	Pass

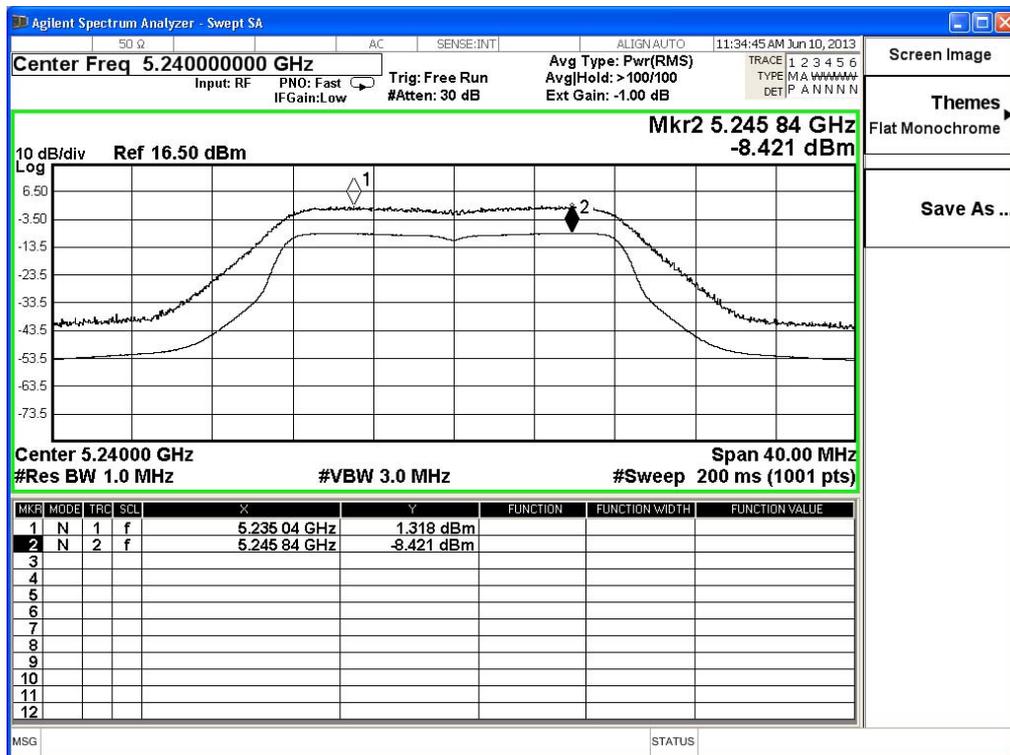
Power Excursion – Channel 36



Power Excursion – Channel 44



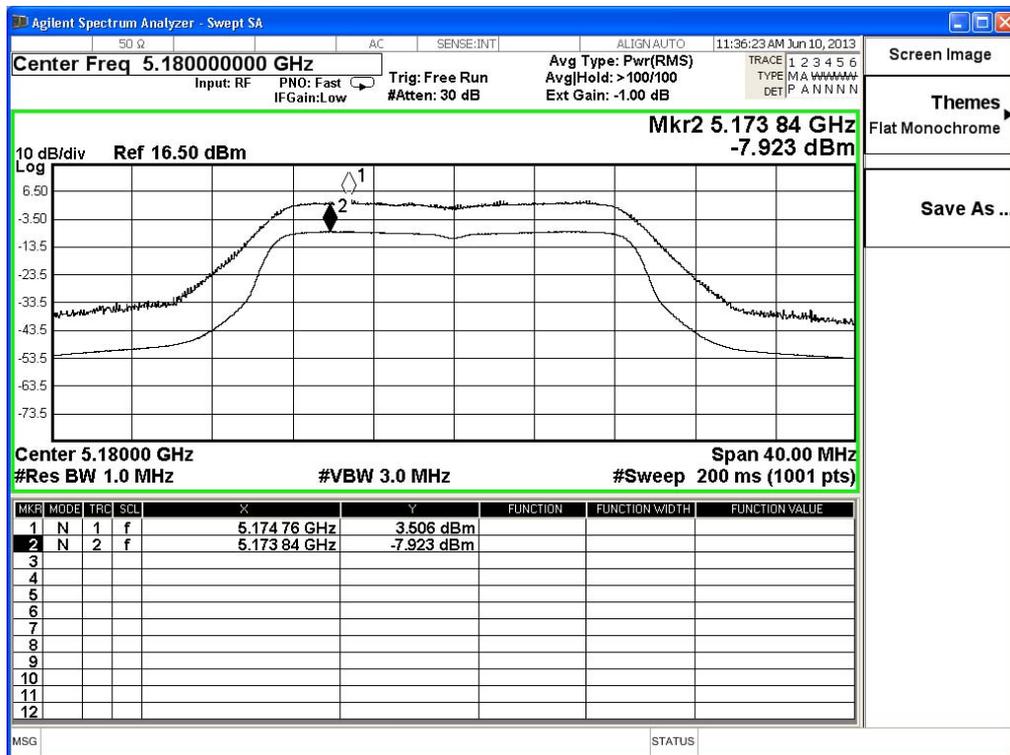
Power Excursion – Channel 48



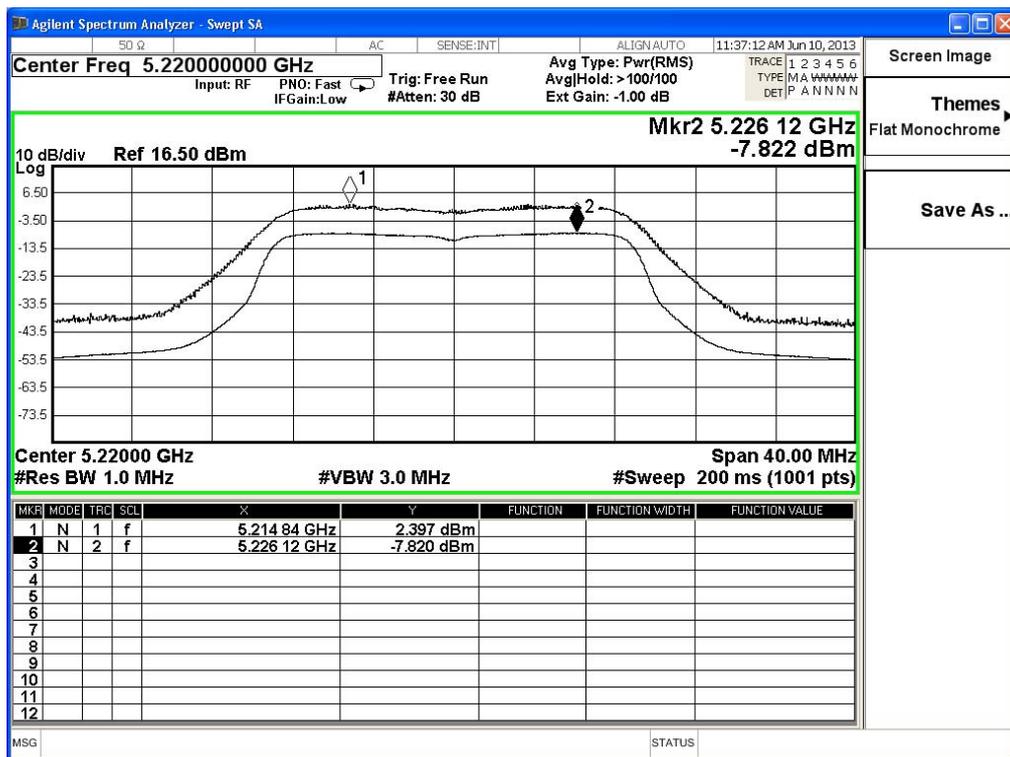
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

IEEE 802.11n_20M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
36	5180	11.429	≤ 13	Pass
44	5220	10.217	≤ 13	Pass
48	5240	10.916	≤ 13	Pass

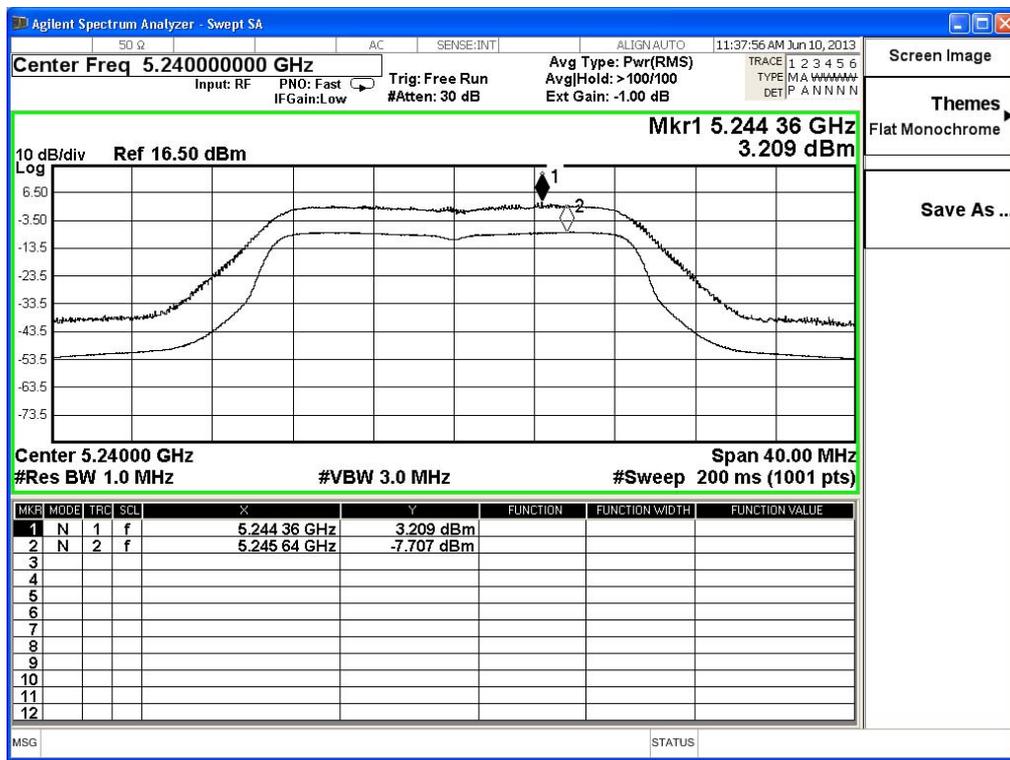
Power Excursion – Channel 36



Power Excursion – Channel 44



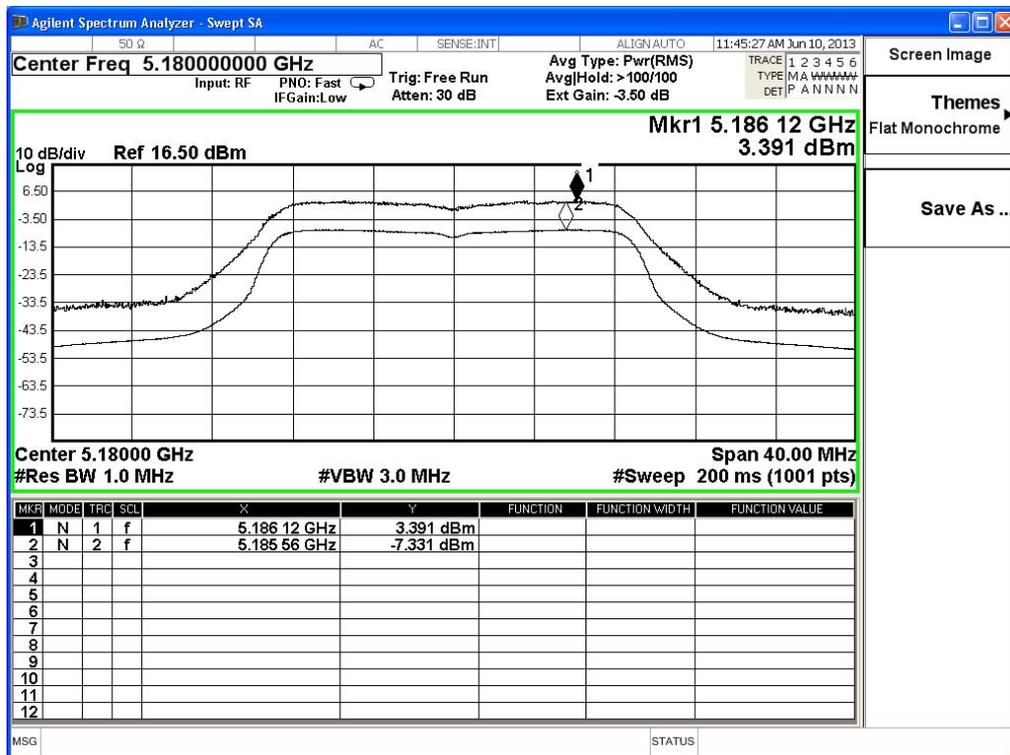
Power Excursion – Channel 48



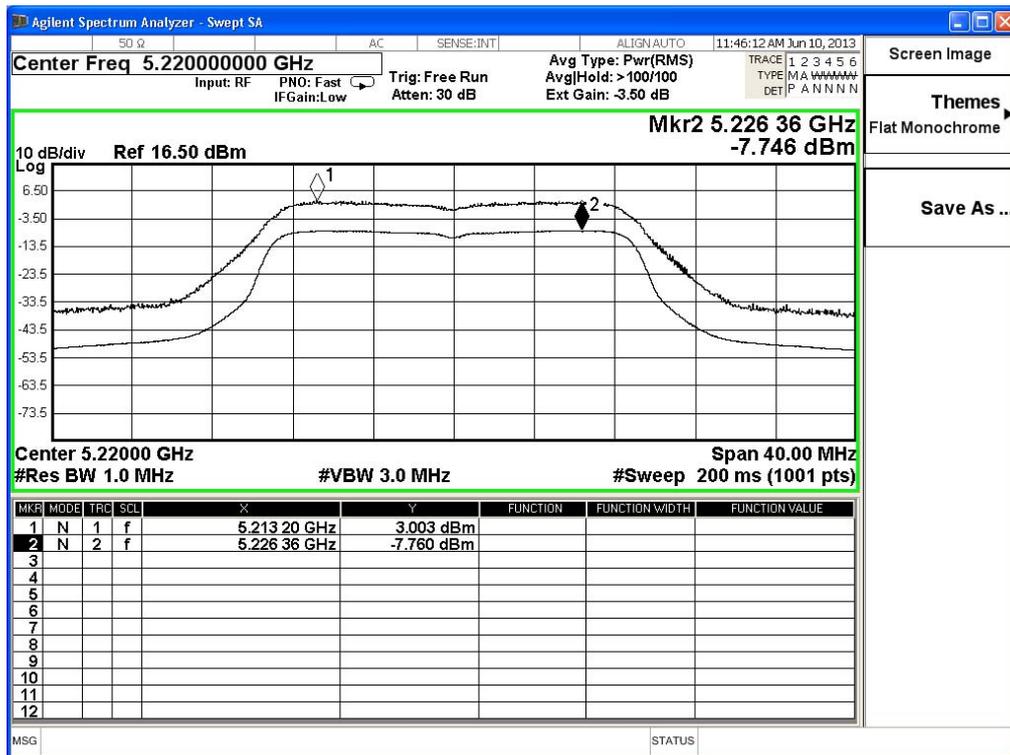
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

IEEE 802.11n_20M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
36	5180	10.722	≤ 13	Pass
44	5220	10.763	≤ 13	Pass
48	5240	11.205	≤ 13	Pass

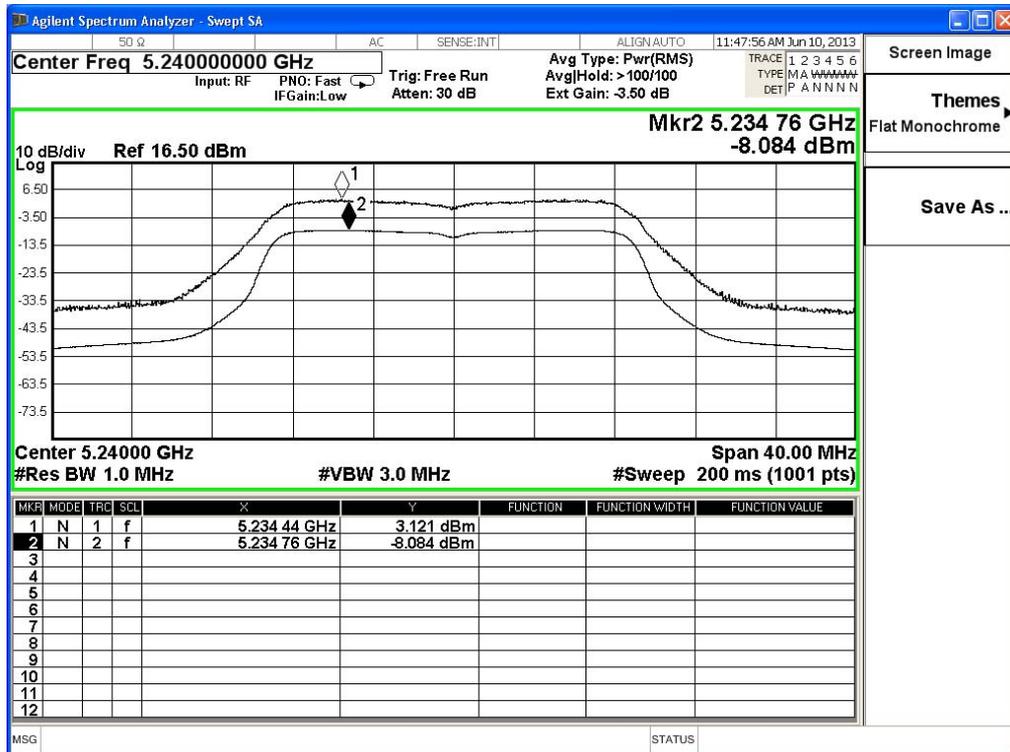
Power Excursion – Channel 36



Power Excursion – Channel 44



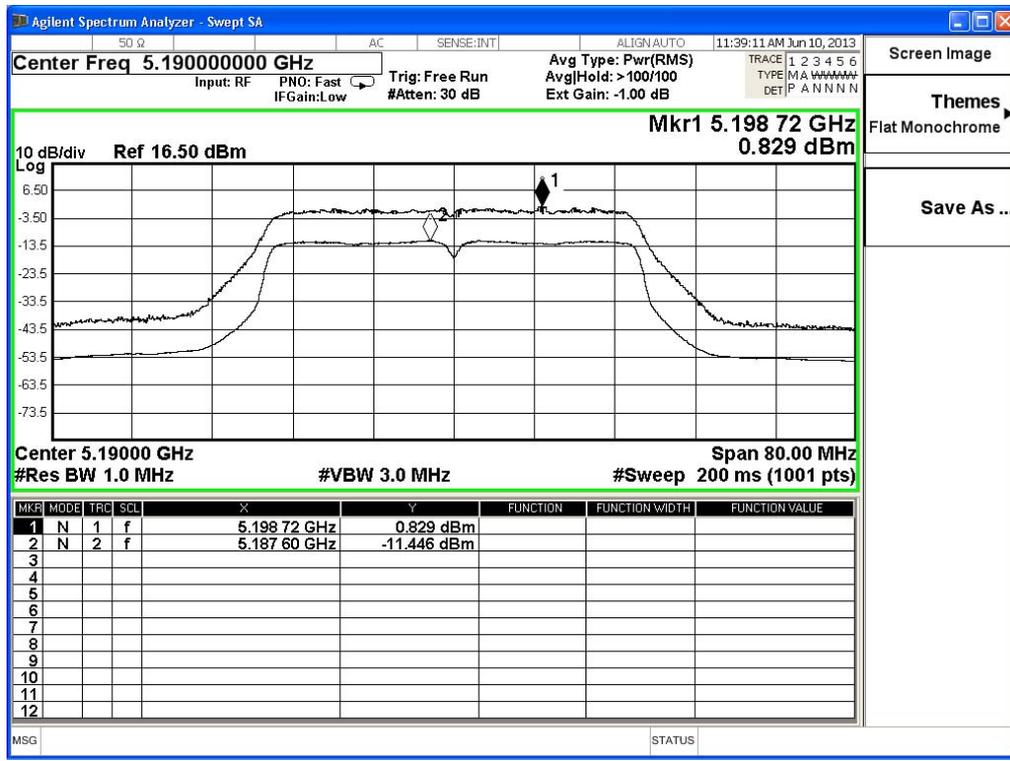
Power Excursion – Channel 48



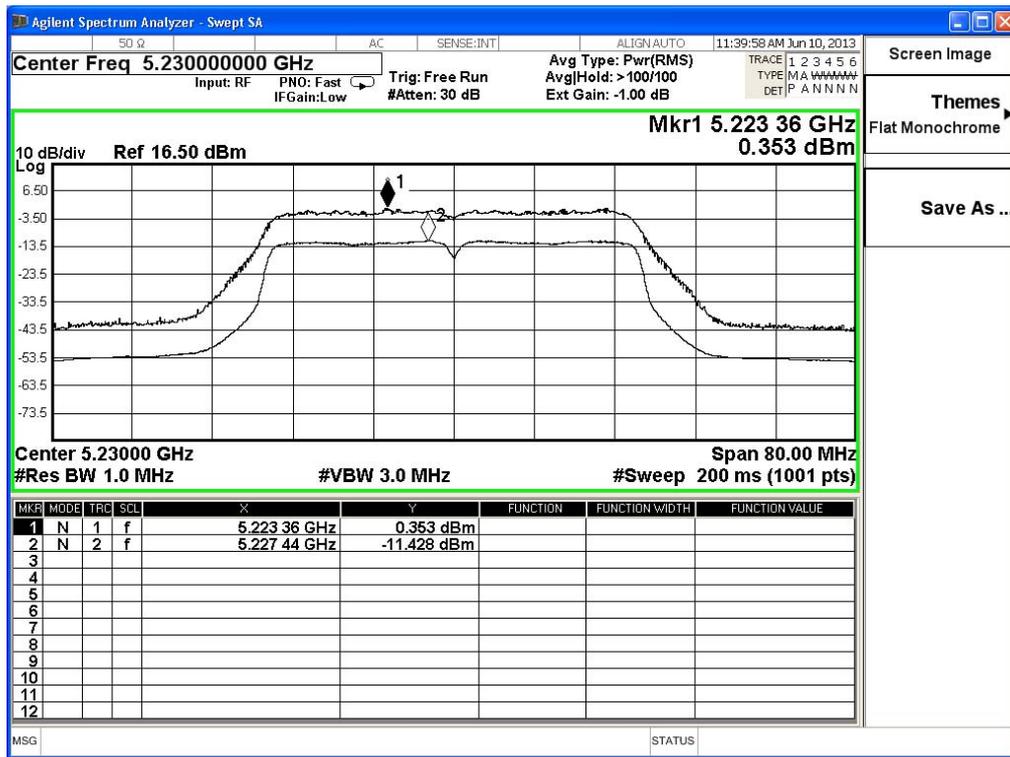
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

IEEE 802.11n_40M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
38	5190	12.275	≤ 13	Pass
46	5230	11.781	≤ 13	Pass

Power Excursion – Channel 38



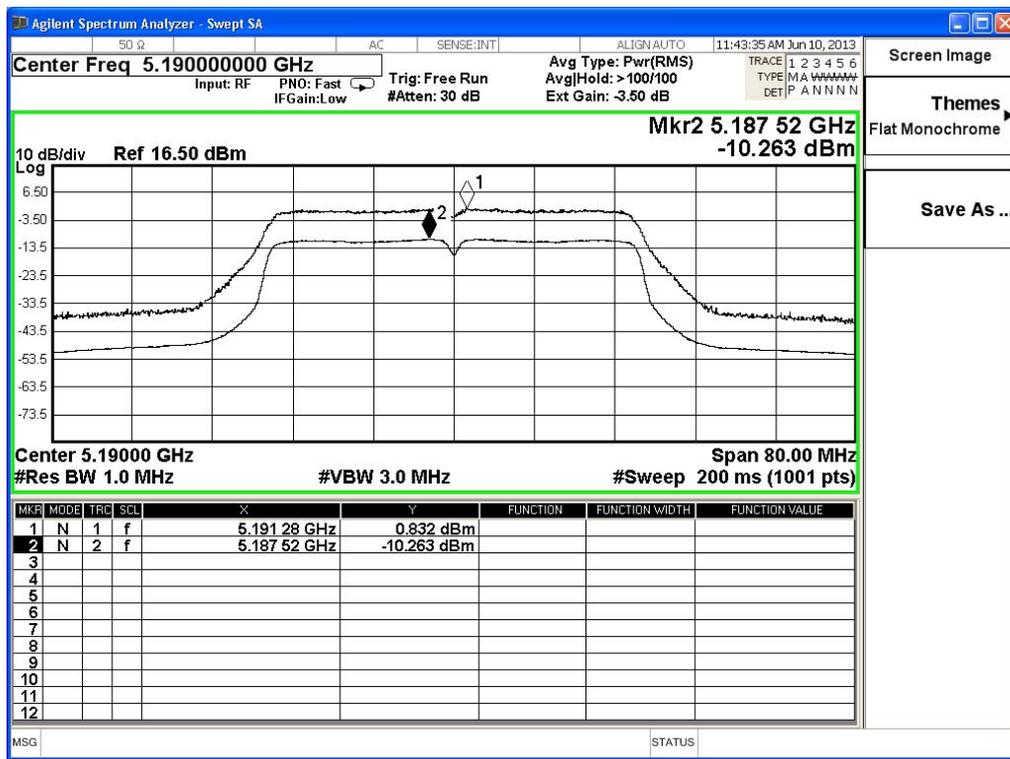
Power Excursion – Channel 46



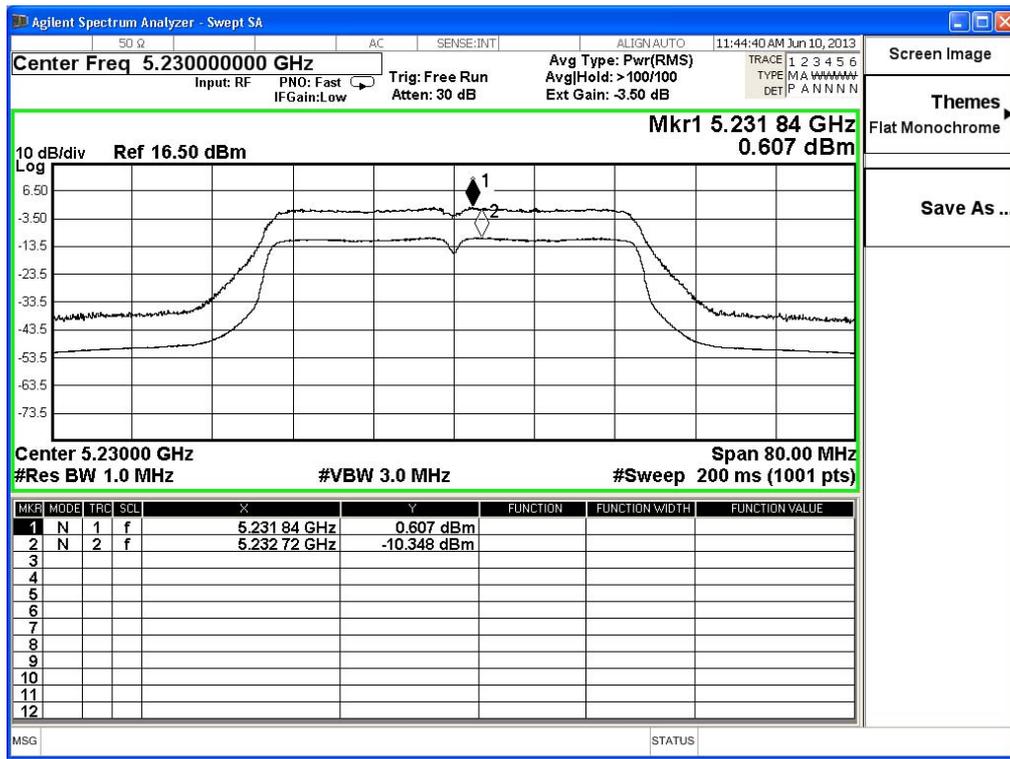
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

IEEE 802.11n_40M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
38	5190	11.095	≤ 13	Pass
46	5230	10.955	≤ 13	Pass

Power Excursion – Channel 38



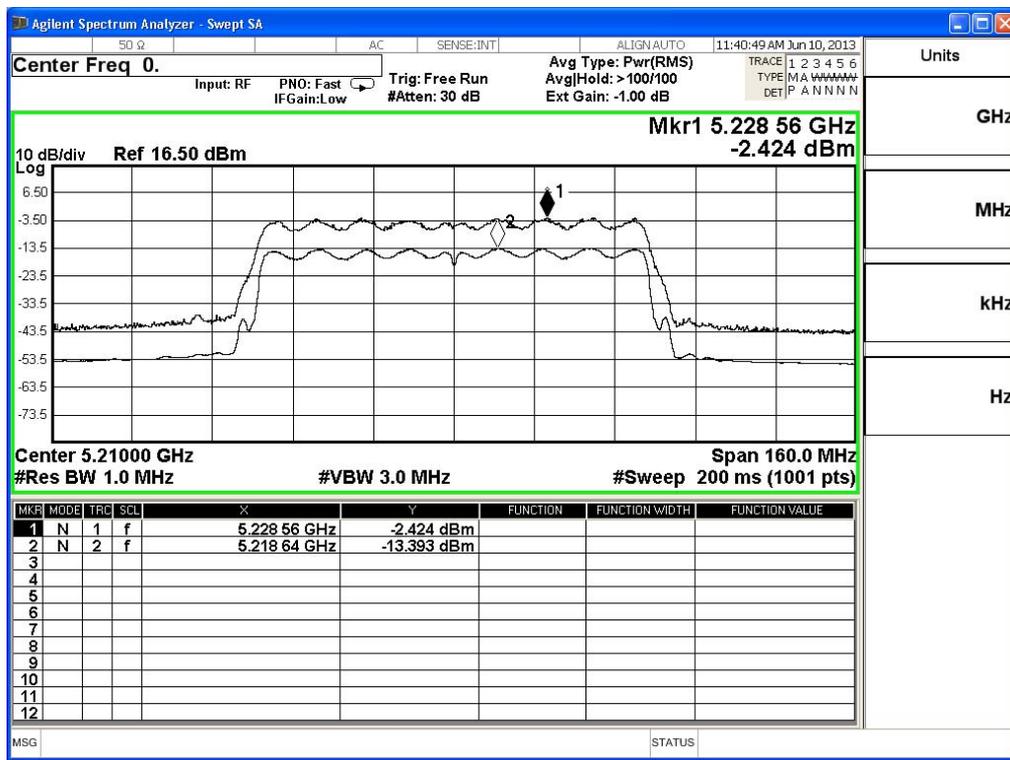
Power Excursion – Channel 46



Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

IEEE 802.11ac_80M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
42	5210	10.969	≤ 13	Pass

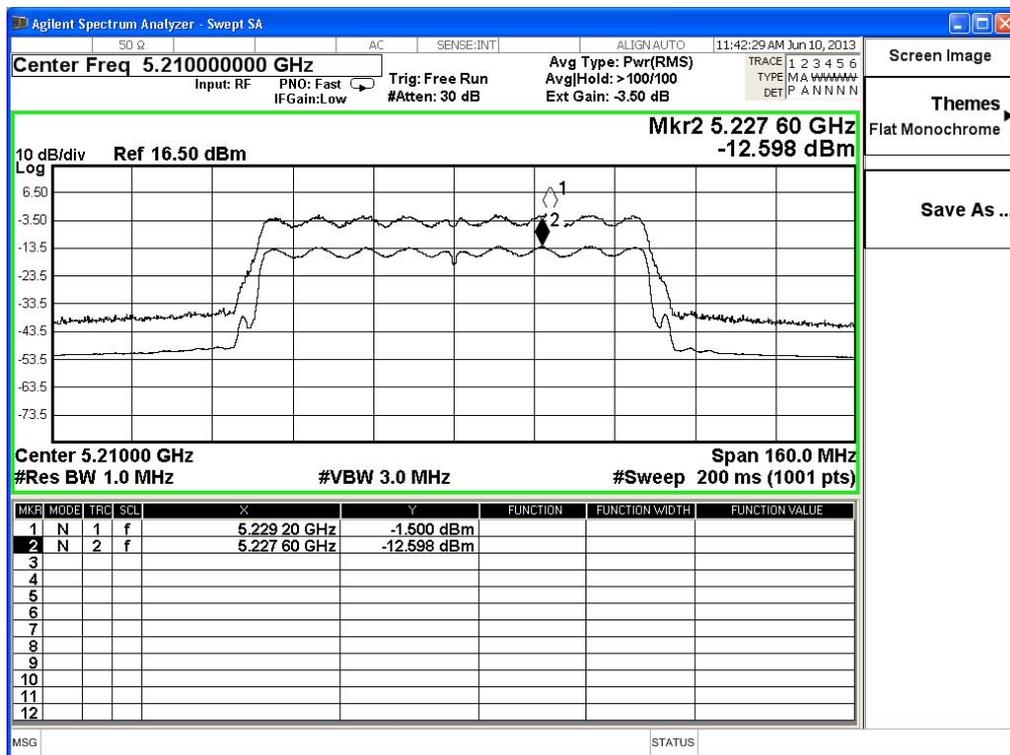
Power Excursion – Channel 42



Product	USB-AC56 dual-bank wireless adapter		
Test Item	Peak Excursion		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

IEEE 802.11ac_80M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dB)	Required Limit (dB)	Result
42	5210	11.098	≤ 13	Pass

Power Excursion – Channel 42



7. Radiated Emission

7.1. Test Equipment

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

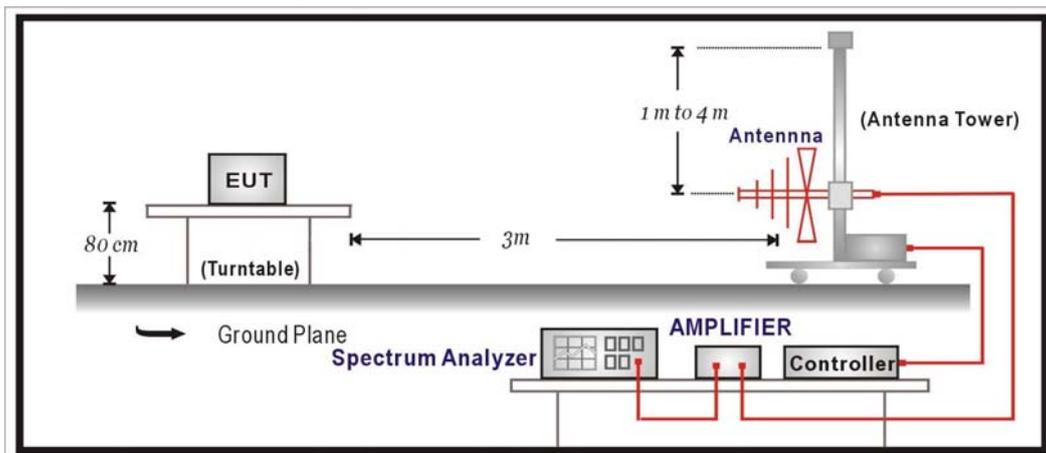
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2013/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2014/02/17
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2013/12/02
Pre-Amplifier	Quietek	AP-025C	CHM-0706049	2014/02/19
Spectrum Analyzer	Agilent	E4440A	MY46187335	2014/01/27
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2014/02/21

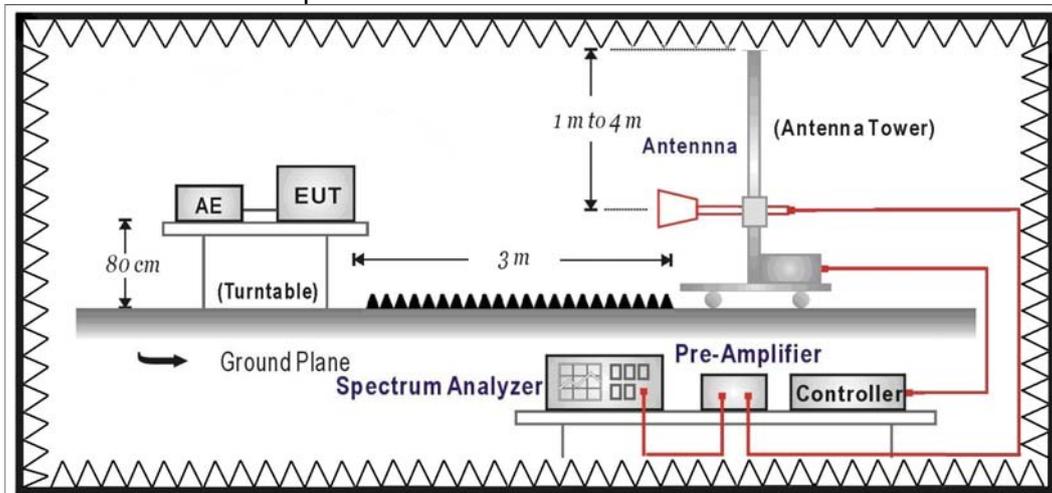
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

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

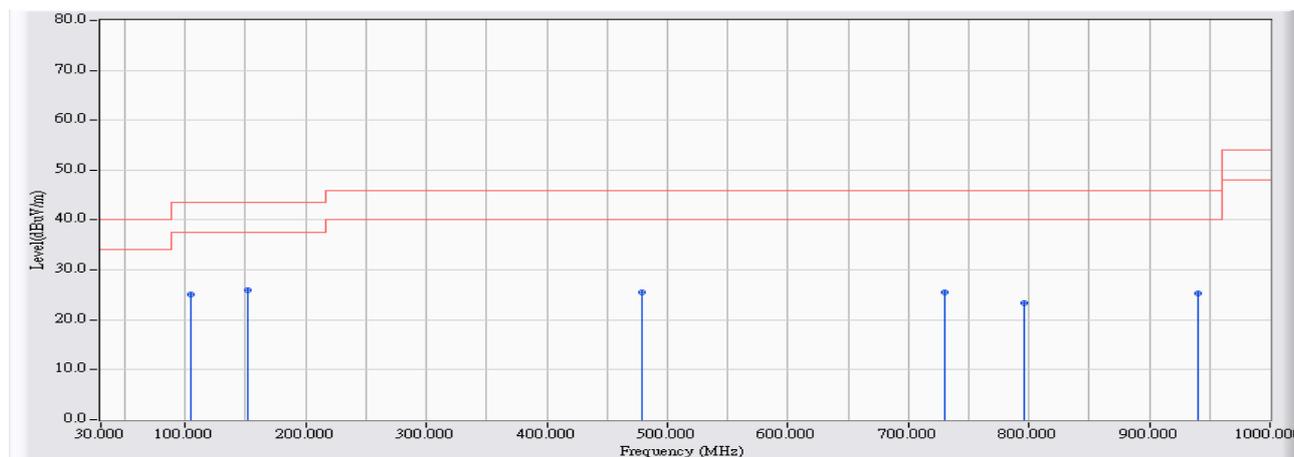
30MHz~1GHz as $\pm 3.43\text{dB}$

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

7.6. Test Result

30MHz-1GHz Spurious

Site : CB1	Time : 2013/06/11 - 10:43
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna) _802.11a 5220MHz

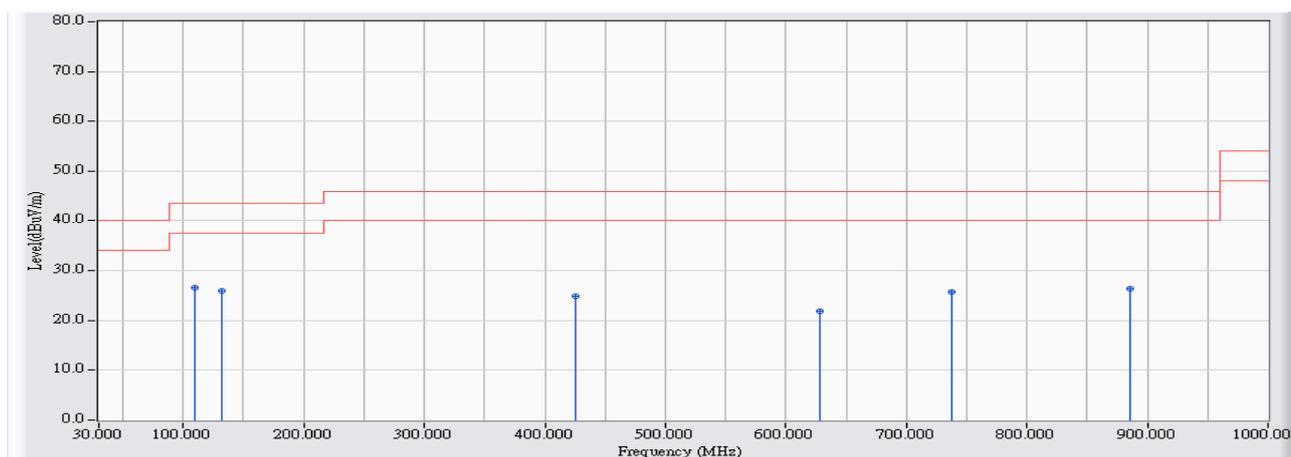


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	104.367	-22.652	47.728	25.076	-18.424	43.500	PEAK
2	* 151.250	-23.232	49.134	25.901	-17.599	43.500	PEAK
3	479.433	-16.102	41.650	25.548	-20.452	46.000	PEAK
4	730.017	-14.584	40.199	25.615	-20.385	46.000	PEAK
5	796.300	-13.635	36.938	23.302	-22.698	46.000	PEAK
6	940.183	-13.055	38.284	25.229	-20.771	46.000	PEAK

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 : 2013/06/11 - 10:46
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna) _802.11a 5220MHz

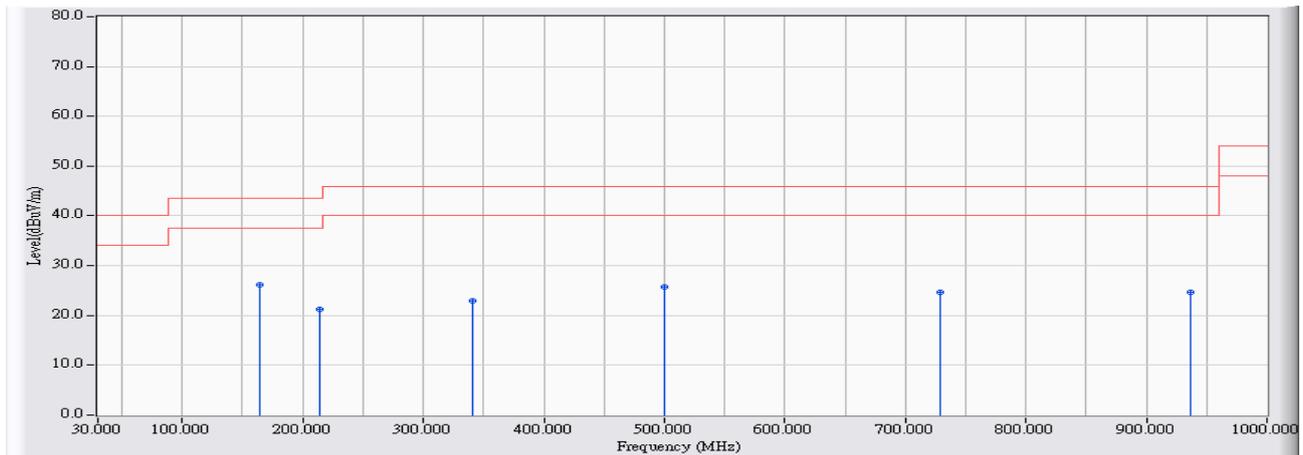


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	109.217	-22.426	48.928	26.502	-16.998	43.500	QUASPEAK
2		131.850	-22.353	48.223	25.870	-17.630	43.500	QUASPEAK
3		426.083	-17.126	42.054	24.928	-21.072	46.000	QUASPEAK
4		628.167	-15.425	37.377	21.951	-24.049	46.000	QUASPEAK
5		738.100	-14.465	40.259	25.794	-20.206	46.000	QUASPEAK
6		885.217	-13.391	39.809	26.417	-19.583	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 : 2013/06/11 - 10:51
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna) _802.11n20 5220MHz

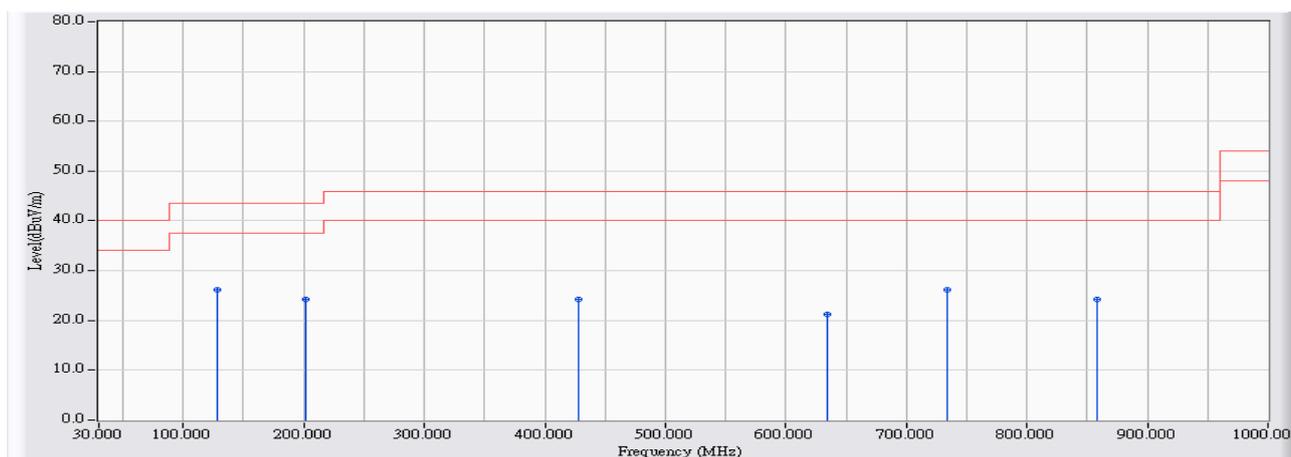


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	164.183	-23.885	50.052	26.166	-17.334	43.500	QUASPEAK
2		214.300	-23.696	44.860	21.163	-22.337	43.500	QUASPEAK
3		340.400	-19.073	42.034	22.961	-23.039	46.000	QUASPEAK
4		500.450	-15.689	41.440	25.750	-20.250	46.000	QUASPEAK
5		728.400	-14.608	39.178	24.570	-21.430	46.000	QUASPEAK
6		936.950	-13.079	37.701	24.621	-21.379	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 : 2013/06/11 - 10:54
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna) _802.11n20 5220MHz

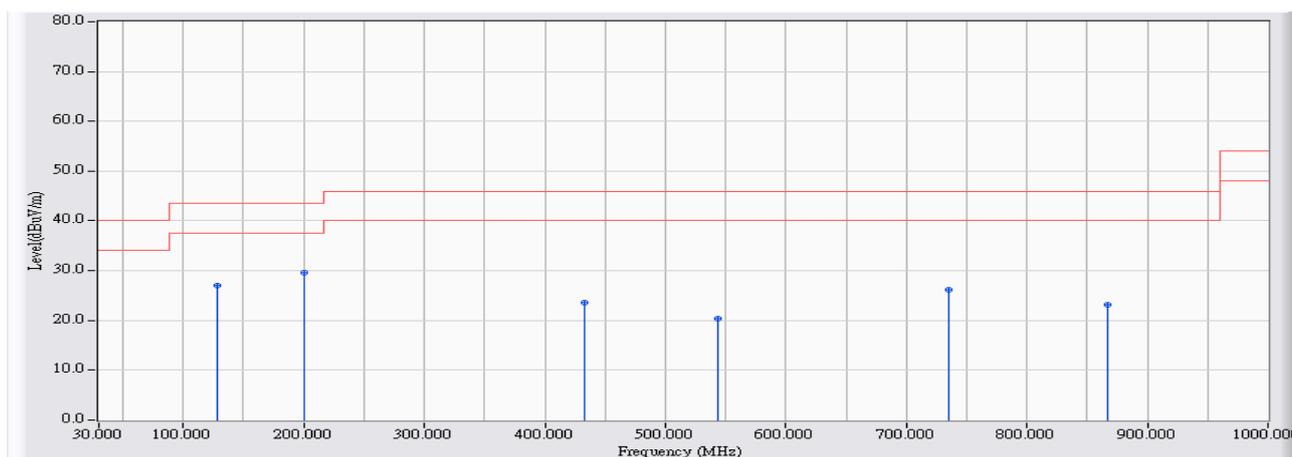


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	128.617	-22.235	48.450	26.215	-17.285	43.500	QUASPEAK
2		201.367	-24.666	48.849	24.184	-19.316	43.500	QUASPEAK
3		427.700	-17.097	41.230	24.133	-21.867	46.000	QUASPEAK
4		634.633	-15.390	36.689	21.300	-24.700	46.000	QUASPEAK
5		733.250	-14.536	40.763	26.227	-19.773	46.000	QUASPEAK
6		857.733	-13.450	37.771	24.321	-21.679	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 : 2013/06/11 - 10:58
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna) _802.11n40 5190MHz

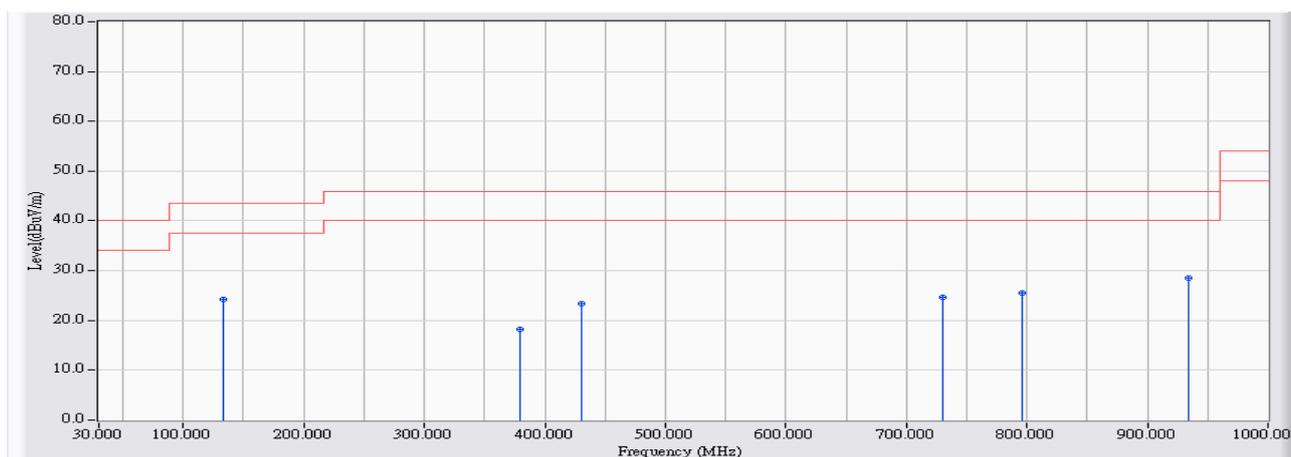


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	128.617	-22.235	49.252	27.017	-16.483	43.500	QUASPEAK
2	* 199.750	-24.765	54.267	29.502	-13.998	43.500	QUASPEAK
3	432.550	-17.009	40.558	23.549	-22.451	46.000	QUASPEAK
4	544.100	-15.624	35.983	20.359	-25.641	46.000	QUASPEAK
5	734.867	-14.512	40.626	26.114	-19.886	46.000	QUASPEAK
6	867.433	-13.429	36.693	23.263	-22.737	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 : 2013/06/11 - 11:01
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna) _802.11n40 5190MHz

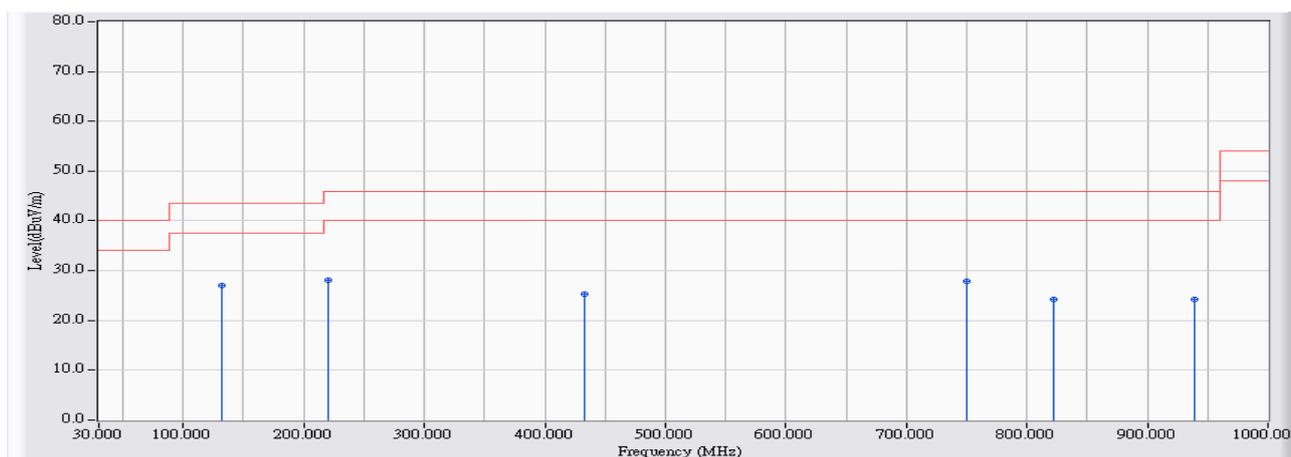


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	133.467	-22.412	46.544	24.132	-19.368	43.500	QUASPEAK
2	379.200	-18.118	36.417	18.299	-27.701	46.000	QUASPEAK
3	430.933	-17.038	40.309	23.271	-22.729	46.000	QUASPEAK
4	730.017	-14.584	39.322	24.738	-21.262	46.000	QUASPEAK
5	796.300	-13.635	39.211	25.575	-20.425	46.000	QUASPEAK
6	* 933.717	-13.105	41.534	28.430	-17.570	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 : 2013/06/11 - 11:05
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna) _802.11ac80 5210MHz

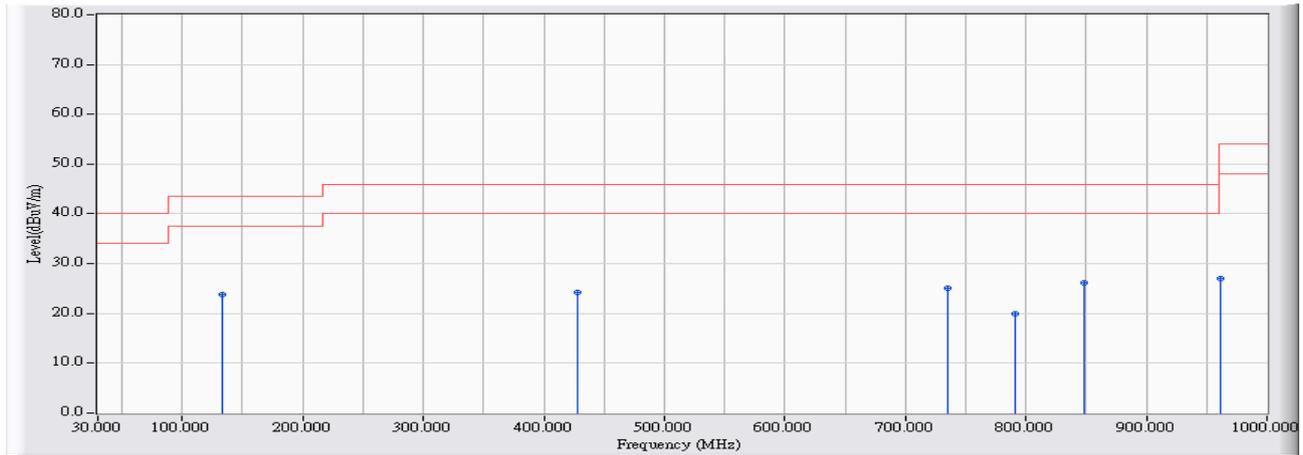


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	131.850	-22.353	49.314	26.961	-16.539	43.500	QUASPEAK
2		220.767	-23.212	51.326	28.114	-17.886	46.000	QUASPEAK
3		432.550	-17.009	42.415	25.406	-20.594	46.000	QUASPEAK
4		749.417	-14.298	42.151	27.853	-18.147	46.000	QUASPEAK
5		822.167	-13.532	37.774	24.242	-21.758	46.000	QUASPEAK
6		938.567	-13.068	37.386	24.319	-21.681	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 : 2013/06/11 - 11:09
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna) _802.11ac80 5210MHz

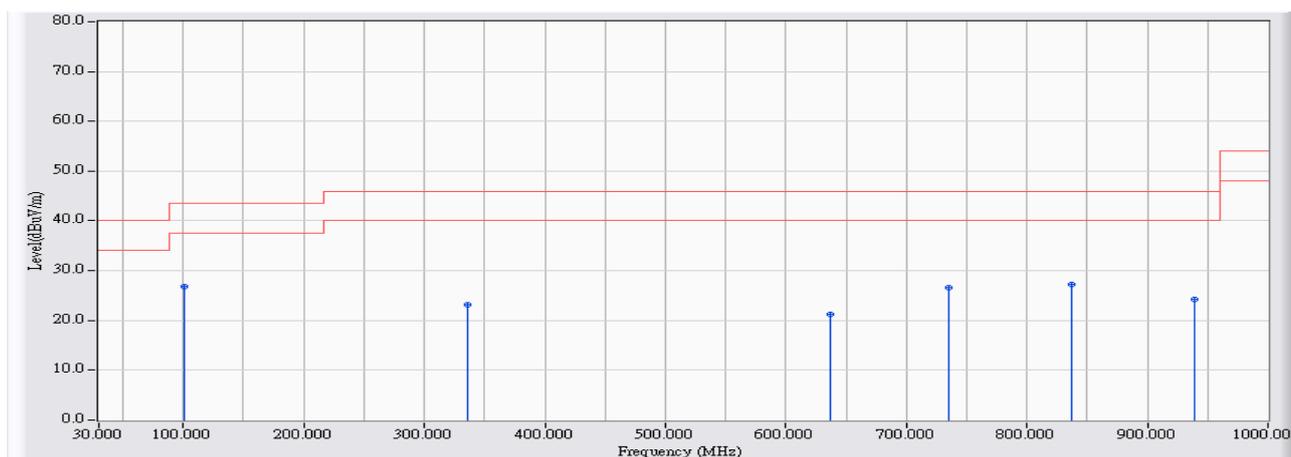


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	133.467	-22.412	46.290	23.878	-19.622	43.500	QUASPEAK
2		427.700	-17.097	41.424	24.327	-21.673	46.000	QUASPEAK
3		734.867	-14.512	39.526	25.014	-20.986	46.000	QUASPEAK
4		791.450	-13.705	33.729	20.024	-25.976	46.000	QUASPEAK
5		848.033	-13.471	39.559	26.088	-19.912	46.000	QUASPEAK
6		961.200	-12.896	39.949	27.053	-26.947	54.000	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 : 2013/06/11 - 13:27
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11a 5220 MHz

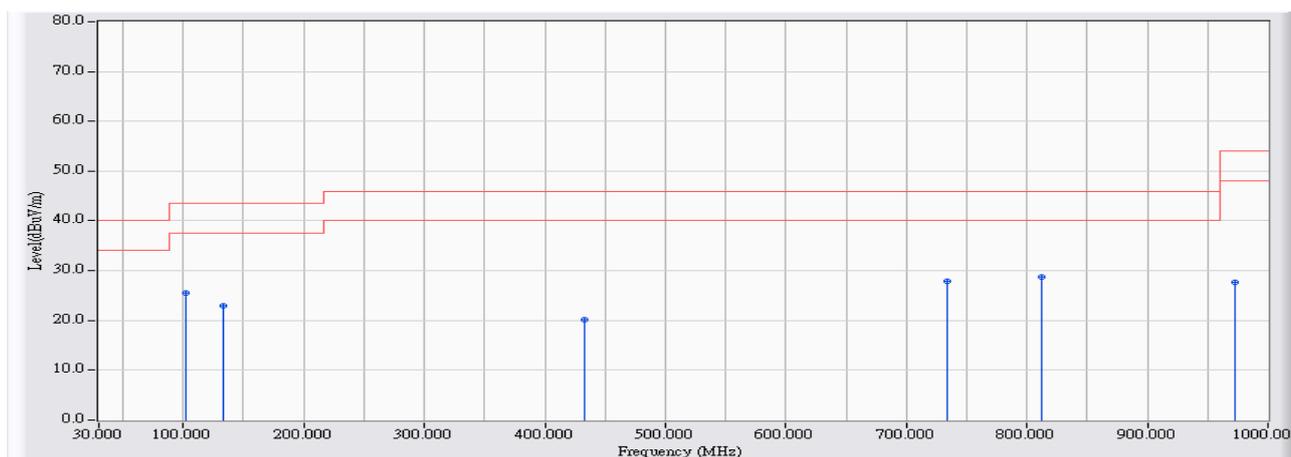


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	101.133	-22.803	49.575	26.772	-16.728	43.500	QUASPEAK
2		335.550	-19.187	42.385	23.198	-22.802	46.000	QUASPEAK
3		636.250	-15.381	36.673	21.293	-24.707	46.000	QUASPEAK
4		734.867	-14.512	41.130	26.618	-19.382	46.000	QUASPEAK
5		836.717	-13.498	40.692	27.194	-18.806	46.000	QUASPEAK
6		938.567	-13.068	37.365	24.298	-21.702	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 : 2013/06/11 - 13:30
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11a 5220 MHz

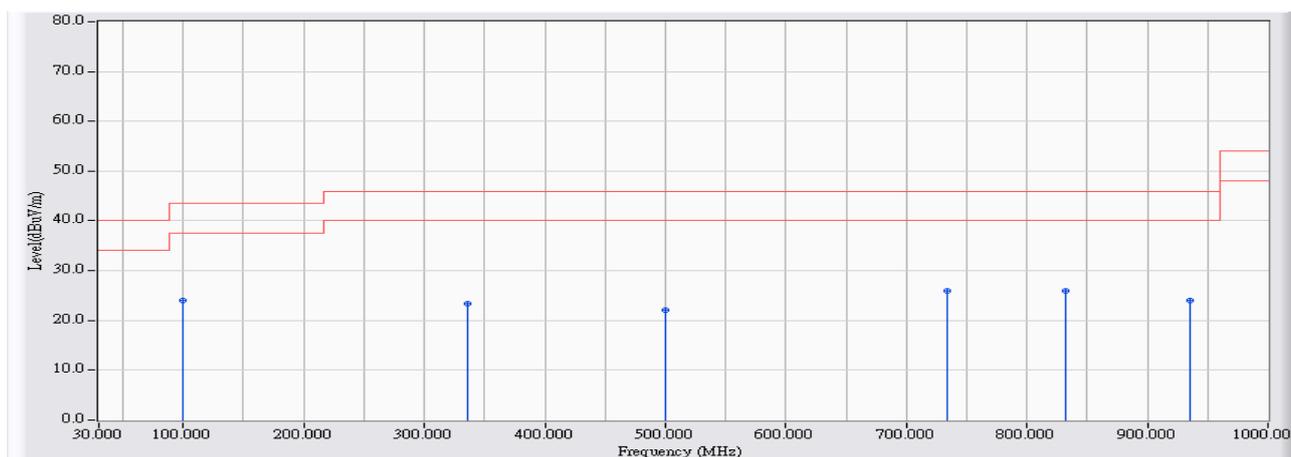


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	102.750	-22.728	48.176	25.448	-18.052	43.500	QUASPEAK
2	133.467	-22.412	45.293	22.881	-20.619	43.500	QUASPEAK
3	432.550	-17.009	37.174	20.165	-25.835	46.000	QUASPEAK
4	733.250	-14.536	42.431	27.895	-18.105	46.000	QUASPEAK
5	* 812.467	-13.555	42.324	28.769	-17.231	46.000	QUASPEAK
6	972.517	-12.811	40.385	27.574	-26.426	54.000	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 : 2013/06/11 - 13:33
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n20 5220 MHz

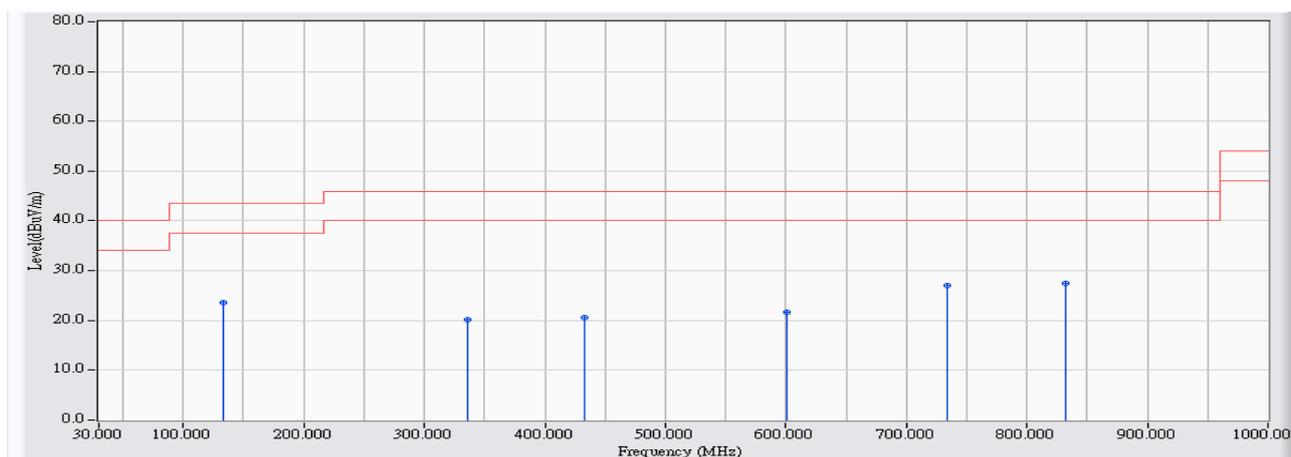


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	99.517	-22.969	46.955	23.986	-19.514	43.500	QUASPEAK
2		335.550	-19.187	42.619	23.432	-22.568	46.000	QUASPEAK
3		500.450	-15.689	37.848	22.158	-23.842	46.000	QUASPEAK
4		733.250	-14.536	40.560	26.024	-19.976	46.000	QUASPEAK
5		831.867	-13.509	39.374	25.865	-20.135	46.000	QUASPEAK
6		935.333	-13.091	37.170	24.078	-21.922	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 : 2013/06/11 - 13:36
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n20 5220 MHz

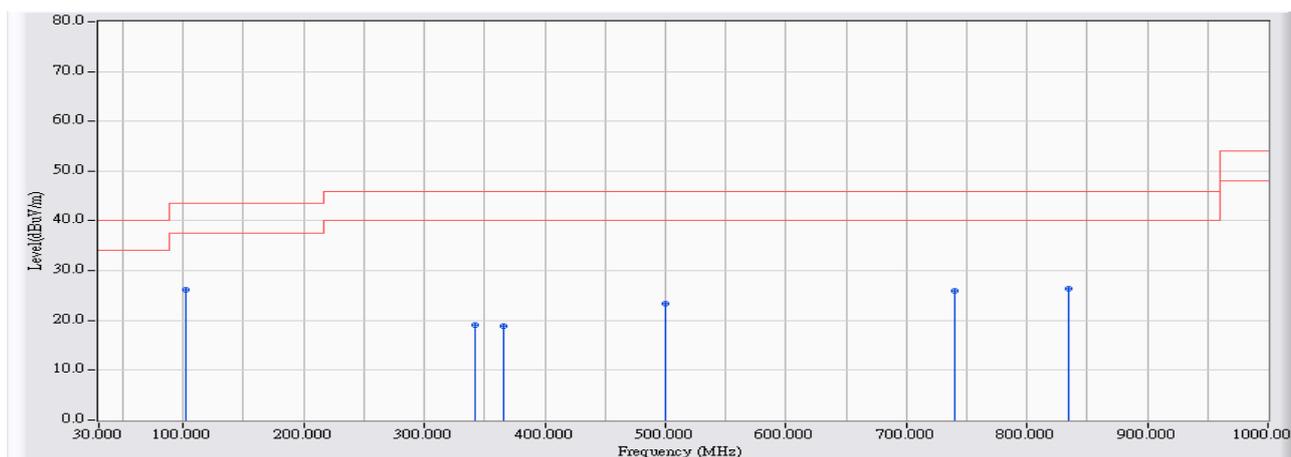


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	133.467	-22.412	45.925	23.513	-19.987	43.500	QUASPEAK
2	335.550	-19.187	39.288	20.101	-25.899	46.000	QUASPEAK
3	432.550	-17.009	37.597	20.588	-25.412	46.000	QUASPEAK
4	600.683	-15.579	37.226	21.647	-24.353	46.000	QUASPEAK
5	733.250	-14.536	41.548	27.012	-18.988	46.000	QUASPEAK
6	* 831.867	-13.509	40.858	27.349	-18.651	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 : 2013/06/11 - 13:41
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n40 5190 MHz

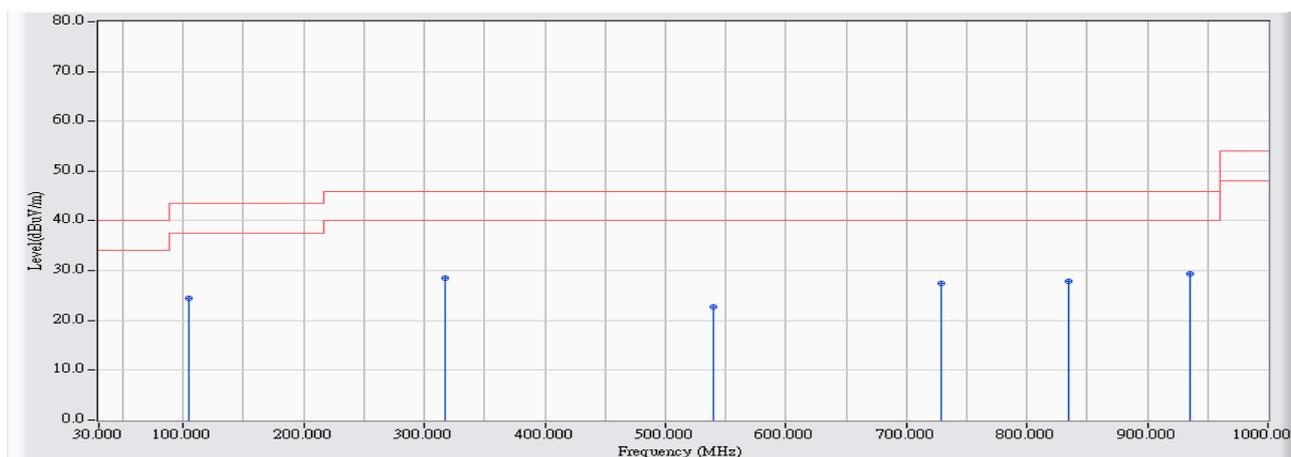


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	102.750	-22.728	48.964	26.236	-17.264	43.500	QUASPEAK
2		342.017	-19.034	38.031	18.996	-27.004	46.000	QUASPEAK
3		366.267	-18.441	37.267	18.827	-27.173	46.000	QUASPEAK
4		500.450	-15.689	39.089	23.399	-22.601	46.000	QUASPEAK
5		739.717	-14.441	40.359	25.918	-20.082	46.000	QUASPEAK
6		835.100	-13.501	39.912	26.410	-19.590	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 : 2013/06/11 - 13:46
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n40 5190 MHz

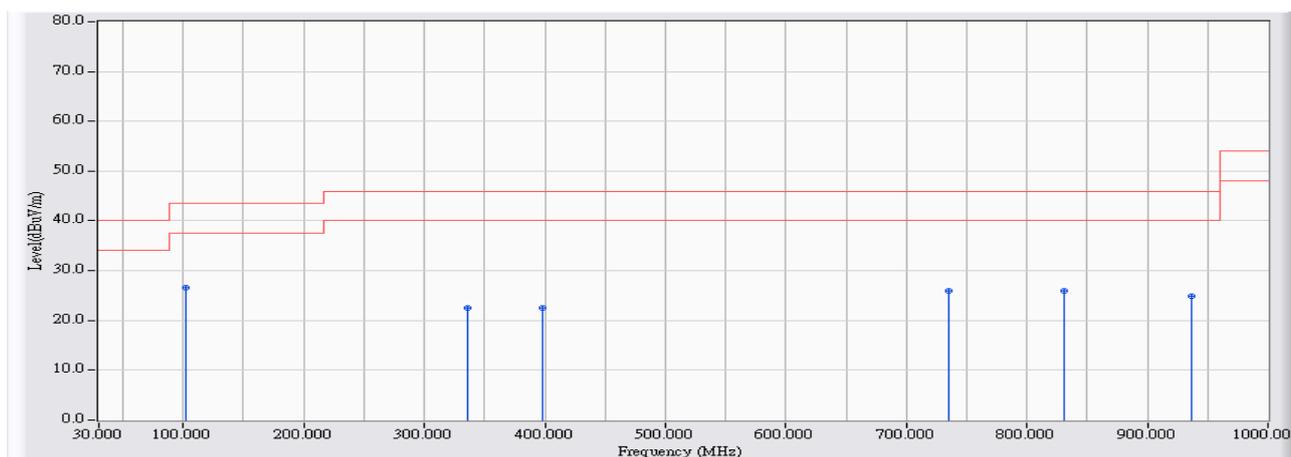


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	104.367	-22.652	47.062	24.410	-19.090	43.500	QUASPEAK
2	317.767	-19.607	48.053	28.446	-17.554	46.000	QUASPEAK
3	539.250	-15.631	38.333	22.702	-23.298	46.000	QUASPEAK
4	728.400	-14.608	42.049	27.441	-18.559	46.000	QUASPEAK
5	835.100	-13.501	41.346	27.844	-18.156	46.000	QUASPEAK
6	* 935.333	-13.091	42.442	29.350	-16.650	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 : 2013/06/11 - 13:51
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11ac80 5210 MHz

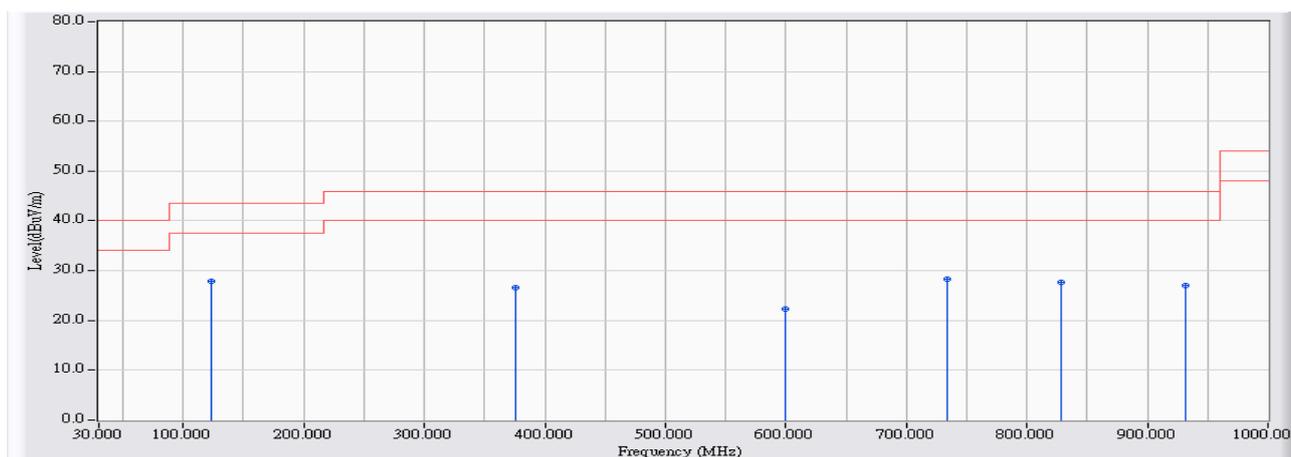


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	102.750	-22.728	49.398	26.670	-16.830	43.500	QUASPEAK
2		335.550	-19.187	41.786	22.599	-23.401	46.000	QUASPEAK
3		398.600	-17.636	40.110	22.475	-23.525	46.000	QUASPEAK
4		734.867	-14.512	40.528	26.016	-19.984	46.000	QUASPEAK
5		830.250	-13.513	39.480	25.967	-20.033	46.000	QUASPEAK
6		936.950	-13.079	37.928	24.848	-21.152	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 : 2013/06/11 - 13:54
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11ac80 5210 MHz



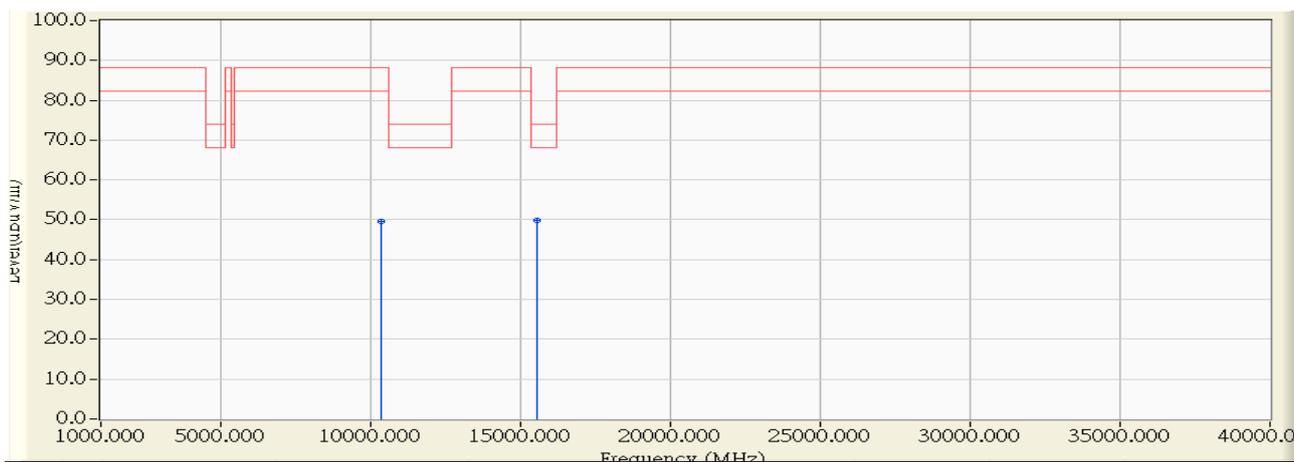
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	123.767	-22.060	50.033	27.974	-15.526	43.500	QUASPEAK
2		375.967	-18.199	44.708	26.509	-19.491	46.000	QUASPEAK
3		599.067	-15.584	37.986	22.402	-23.598	46.000	QUASPEAK
4		733.250	-14.536	42.836	28.300	-17.700	46.000	QUASPEAK
5		828.633	-13.517	41.166	27.649	-18.351	46.000	QUASPEAK
6		932.100	-13.116	40.138	27.022	-18.978	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 : 2013/06/17 - 14:50
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11a 5180MHz

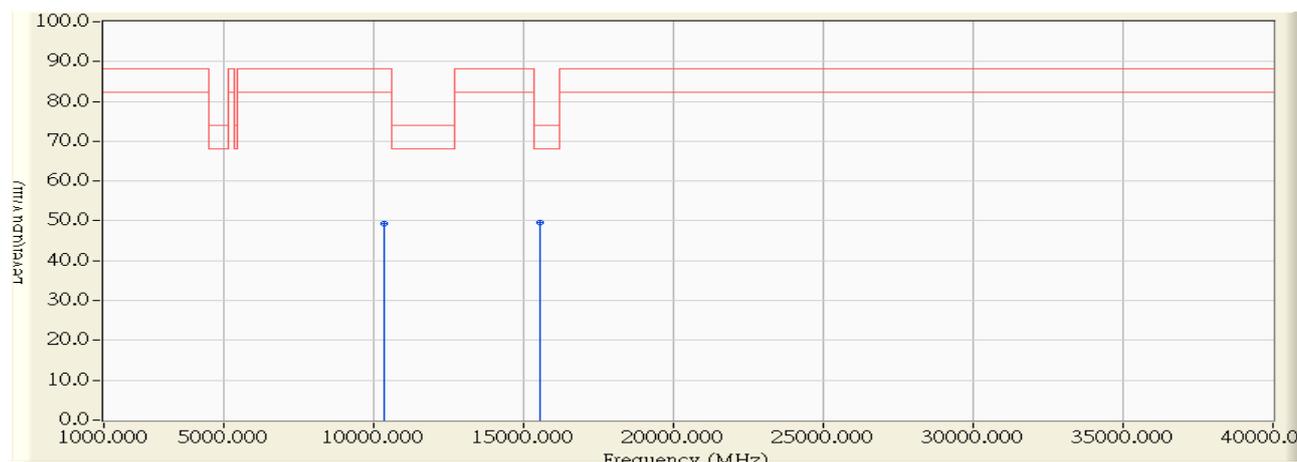


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10360.000	10.794	38.820	49.614	-38.686	88.300	PEAK
2	* 15540.000	11.404	38.408	49.812	-24.188	74.000	PEAK

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. 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 : 2013/06/17 - 14:52
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11a 5180MHz

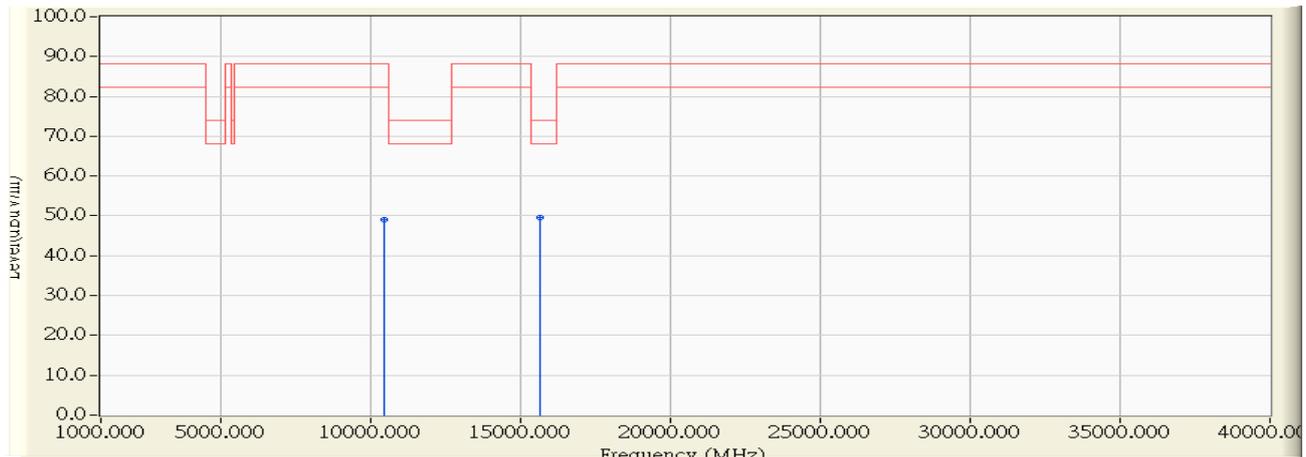


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10360.000	10.794	38.627	49.421	-38.879	88.300	PEAK
2	* 15540.000	11.404	38.257	49.661	-24.339	74.000	PEAK

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. 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 : 2013/06/17 - 14:55
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11a 5220MHz

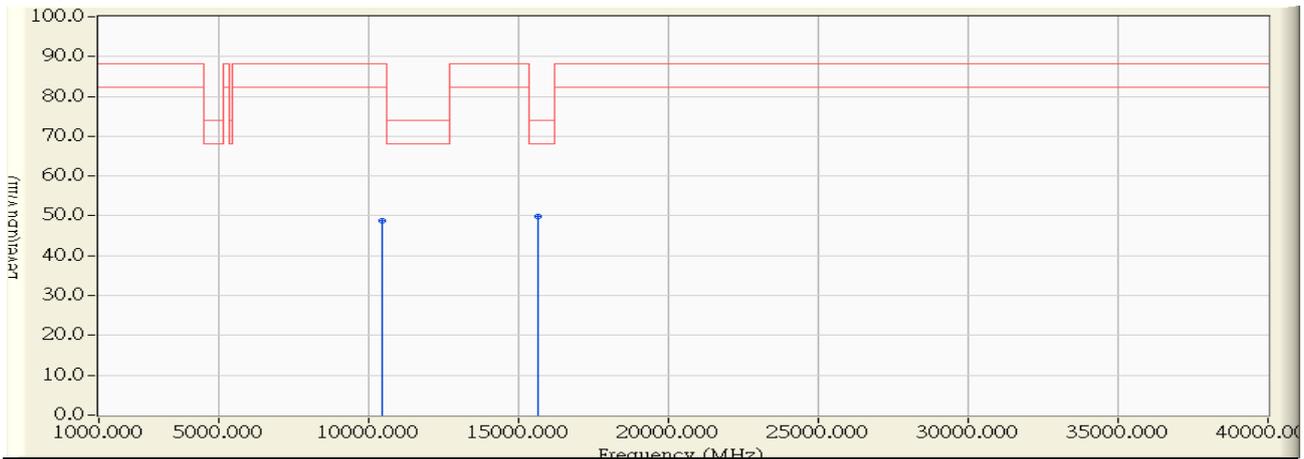


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10440.000	10.573	38.511	49.084	-39.216	88.300	PEAK
2	* 15660.000	11.322	38.217	49.539	-24.461	74.000	PEAK

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. 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 : 2013/06/17 - 14:57
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11a 5220MHz

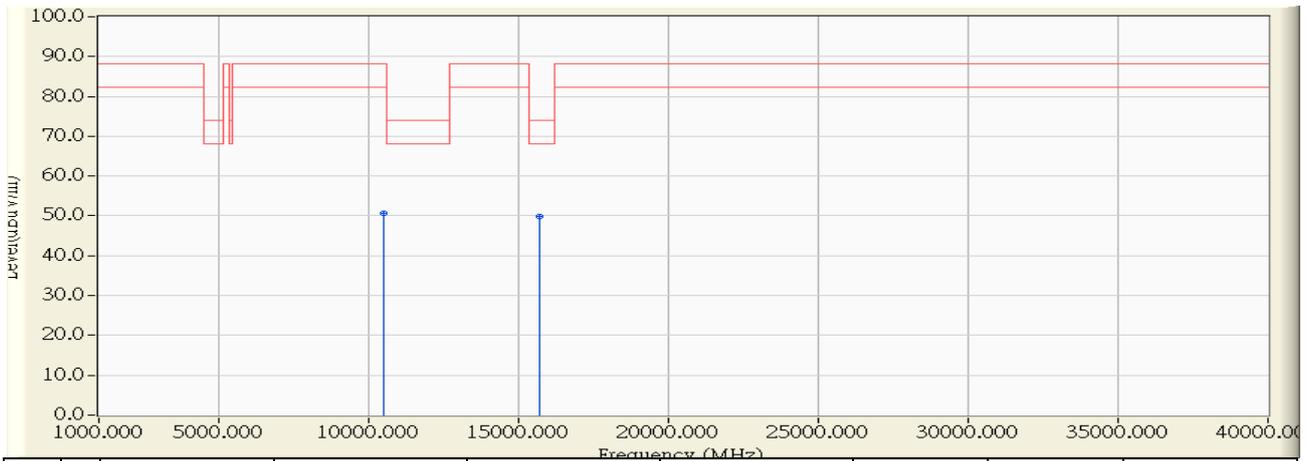


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10440.000	10.573	38.348	48.921	-39.379	88.300	PEAK
2	* 15660.000	11.322	38.607	49.929	-24.071	74.000	PEAK

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. 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 : 2013/06/17 - 15:00
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11a 5240MHz

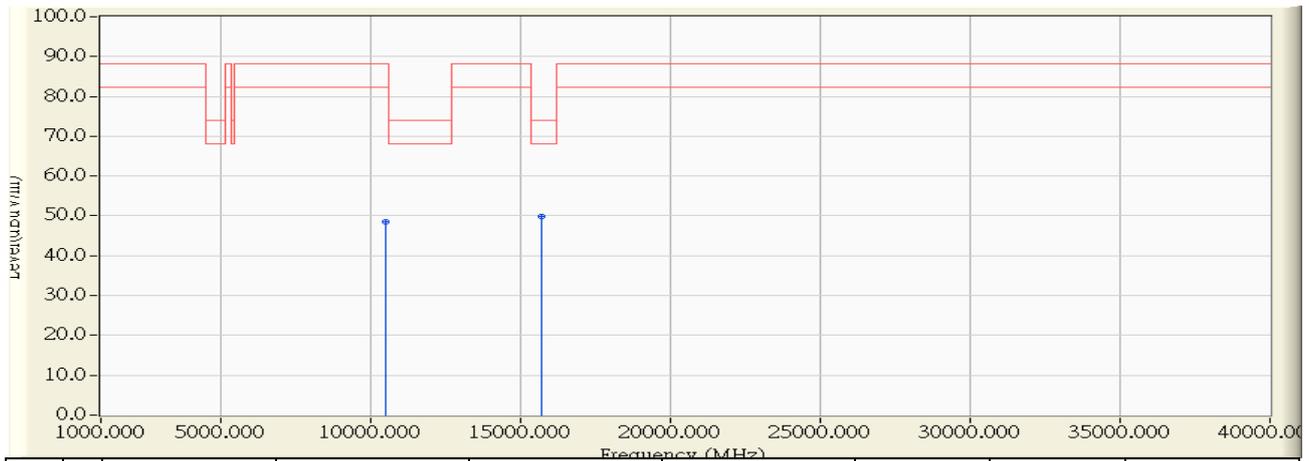


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10480.000	44.975	40.080	50.543	-37.757	88.300	PEAK
2	* 15720.000	45.317	38.479	49.760	-24.240	74.000	PEAK

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. 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 : 2013/06/17 - 15:02
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11a 5240MHz

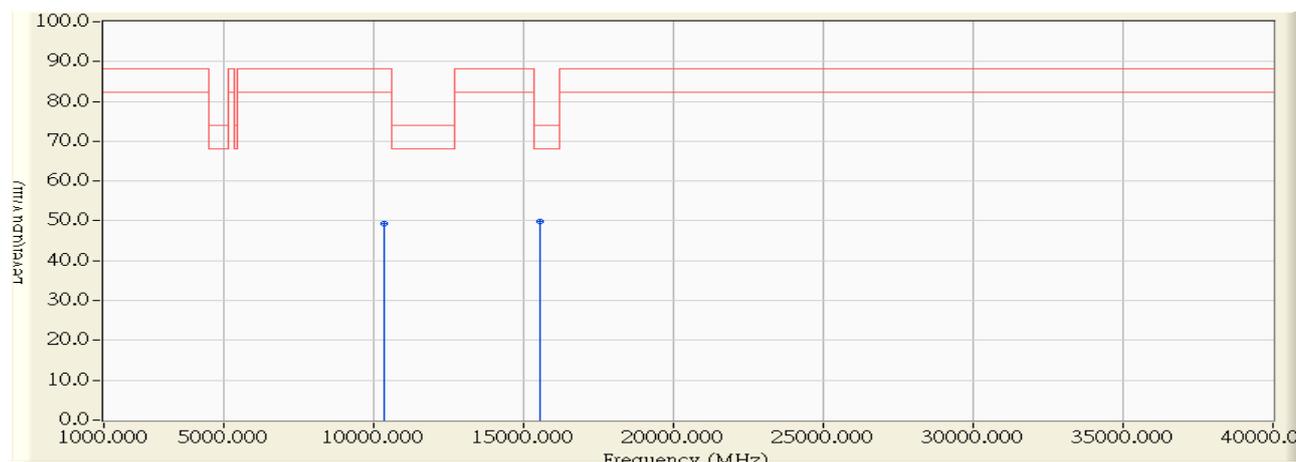


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10480.000	10.463	38.182	48.645	-39.655	88.300	PEAK
2	* 15720.000	11.281	38.546	49.827	-24.173	74.000	PEAK

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. 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 : 2013/06/17 - 15:07
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n20 5180MHz

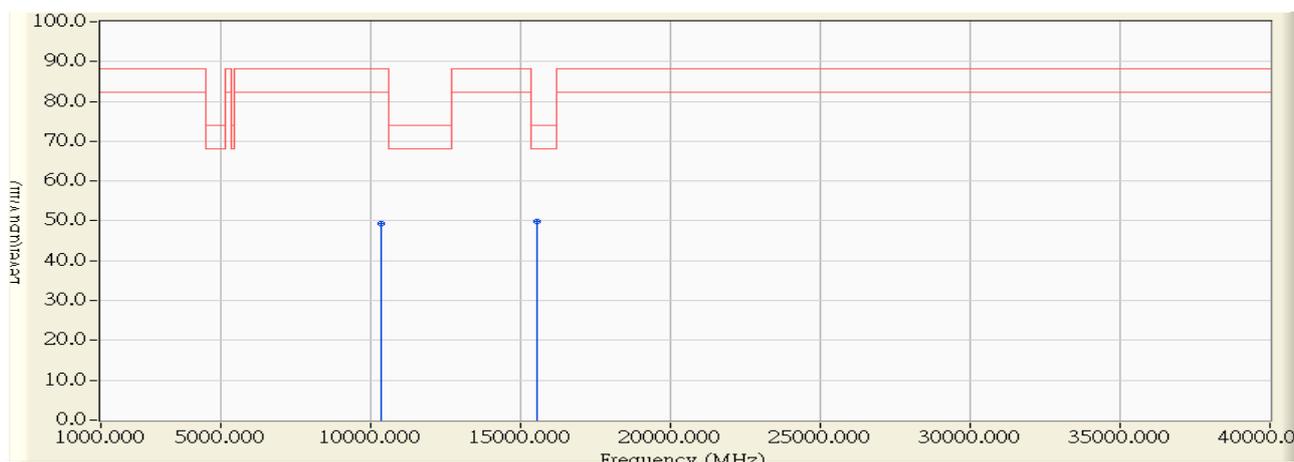


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10360.000	10.794	38.541	49.335	-38.965	88.300	PEAK
2	* 15540.000	11.404	38.361	49.765	-24.235	74.000	PEAK

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. 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 : 2013/06/17 - 15:09
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n20 5180MHz

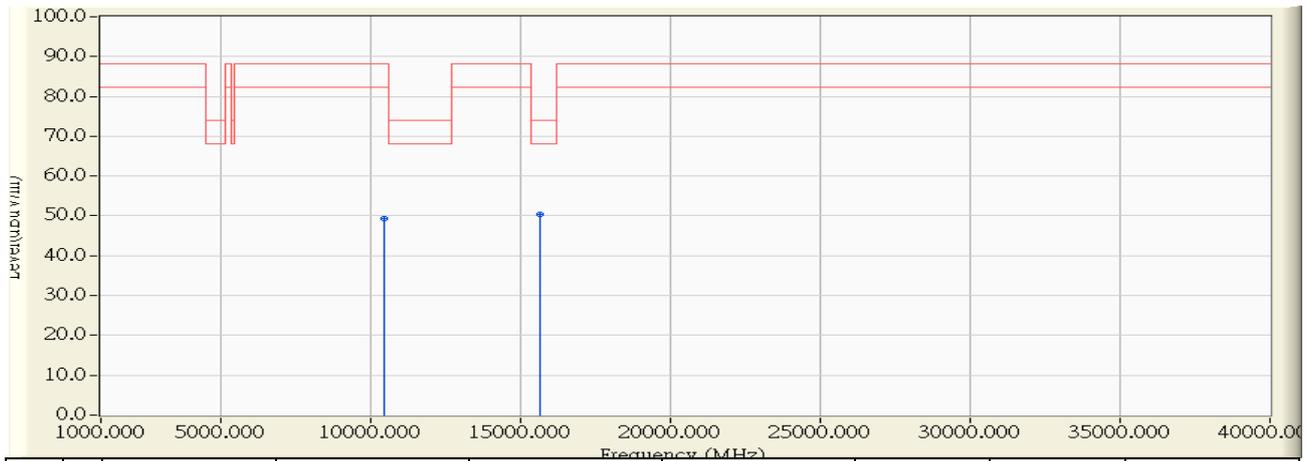


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10360.000	10.794	38.596	49.390	-38.910	88.300	PEAK
2	* 15540.000	11.404	38.442	49.846	-24.154	74.000	PEAK

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. 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 : 2013/06/17 - 15:17
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n20 5180MHz

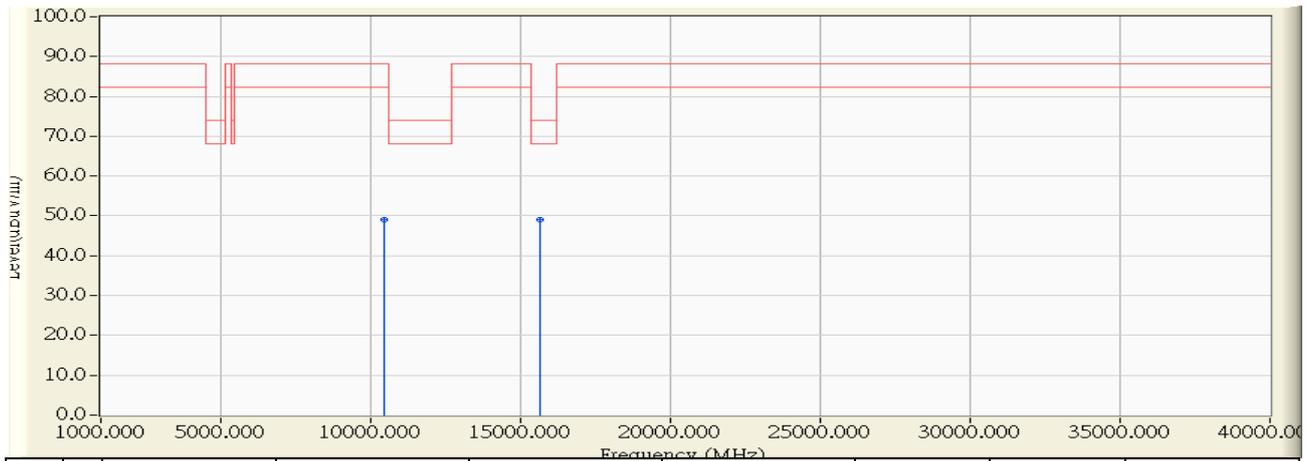


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10440.000	10.573	38.653	49.226	-39.074	88.300	PEAK
2	* 15660.000	11.322	38.980	50.302	-23.698	74.000	PEAK

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. 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 : 2013/06/17 - 15:23
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n20 5220MHz

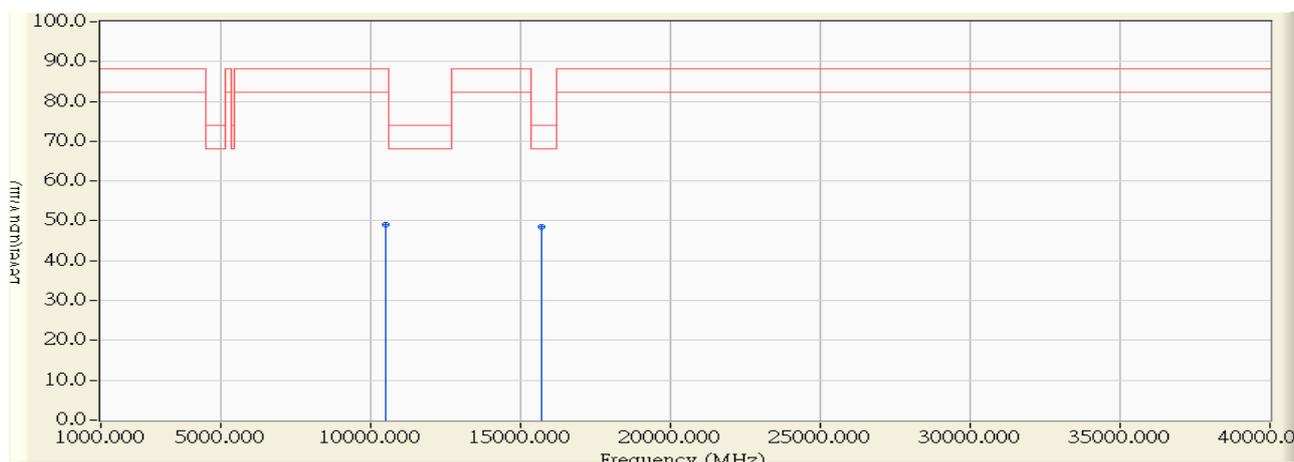


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10440.000	10.573	38.543	49.116	-39.184	88.300	PEAK
2	* 15660.000	11.322	37.855	49.177	-24.823	74.000	PEAK

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. 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 : 2013/06/17 - 15:25
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n20 5240MHz

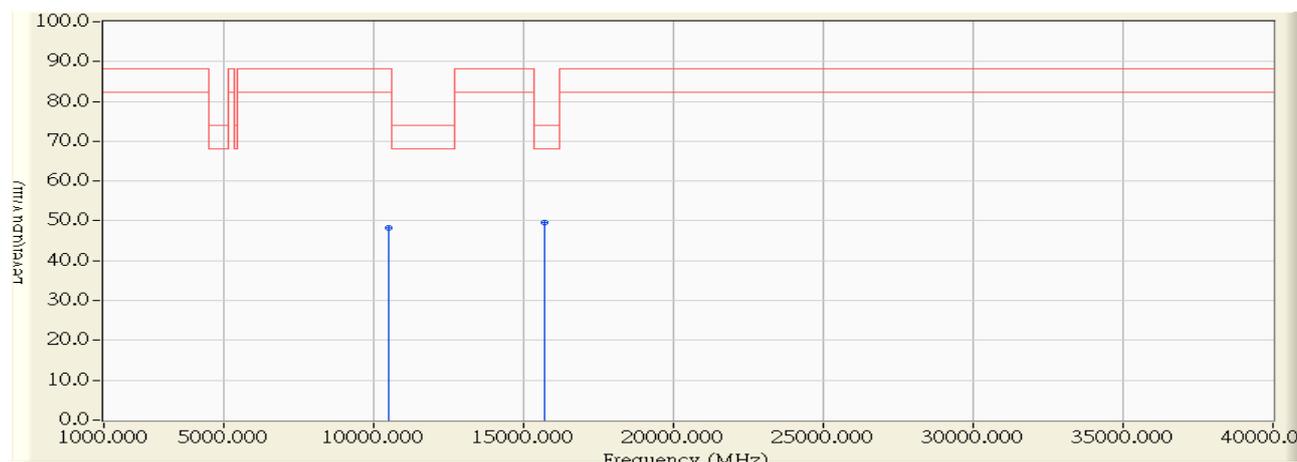


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10480.000	10.463	38.523	48.986	-39.314	88.300	PEAK
2	* 15720.000	11.281	37.348	48.629	-25.371	74.000	PEAK

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. 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 : 2013/06/17 - 15:27
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n20 5240MHz

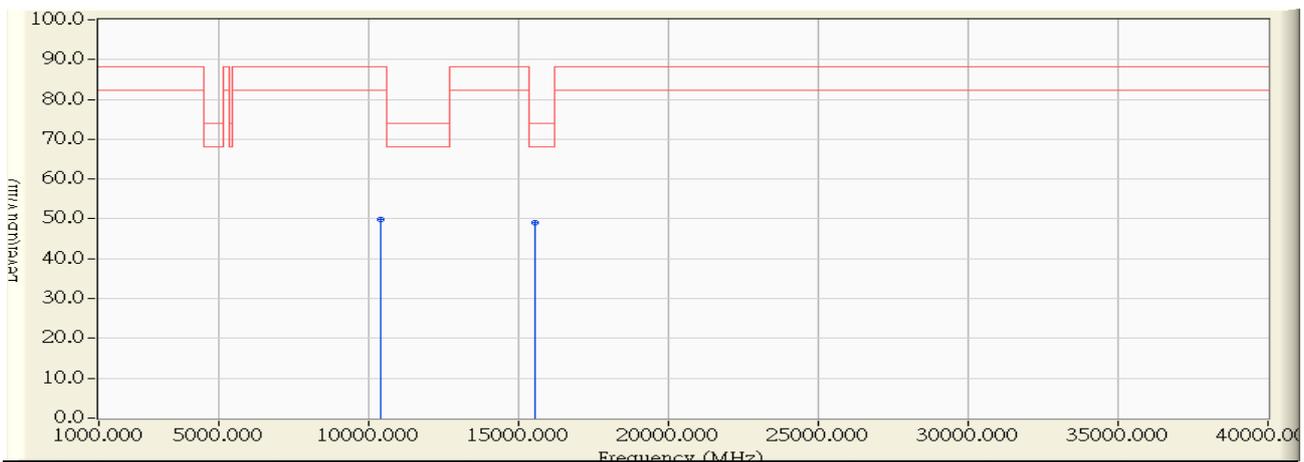


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10480.000	10.463	37.762	48.225	-40.075	88.300	PEAK
2	* 15720.000	11.281	38.344	49.625	-24.375	74.000	PEAK

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. 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 : 2013/06/17 - 15:30
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n40 5190MHz

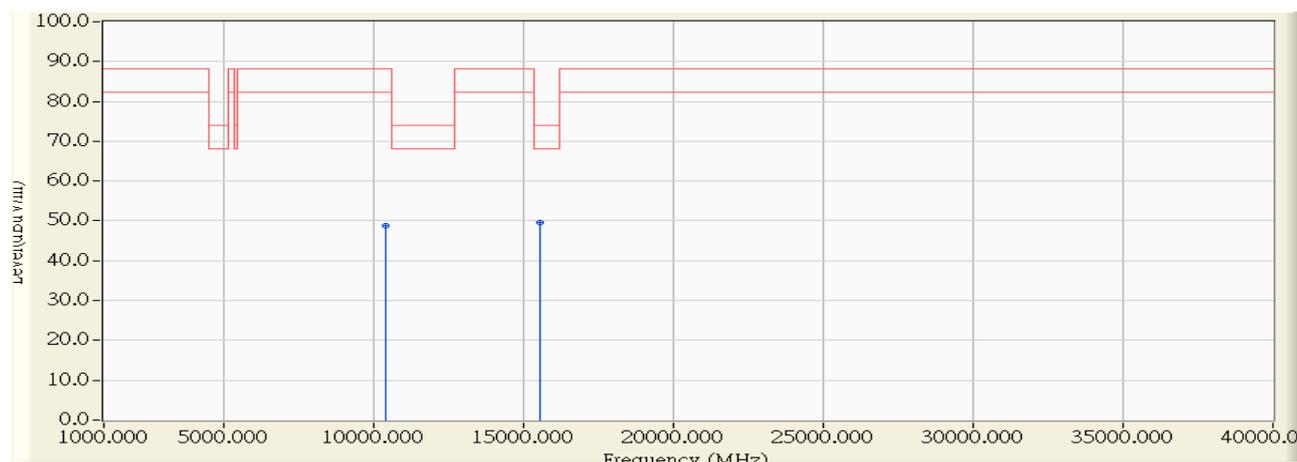


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10380.000	10.739	39.239	49.978	-38.322	88.300	PEAK
2	* 15570.000	11.383	37.803	49.186	-24.814	74.000	PEAK

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. 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 : 2013/06/17 - 15:32
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n40 5190MHz

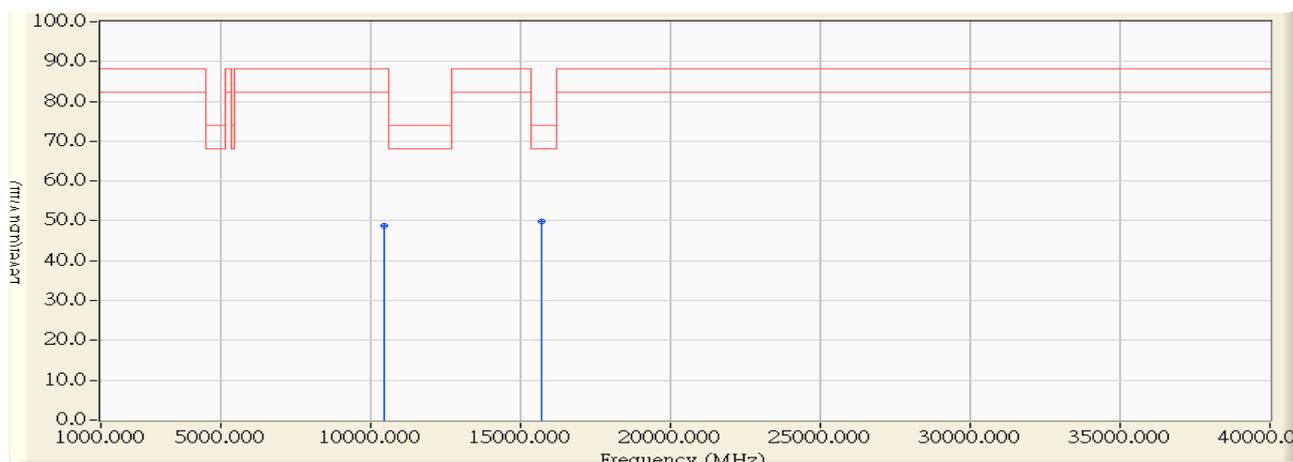


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10380.000	10.739	38.063	48.802	-39.498	88.300	PEAK
2	* 15570.000	11.383	38.131	49.514	-24.486	74.000	PEAK

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.
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 : 2013/06/17 - 15:47
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n40 5230MHz

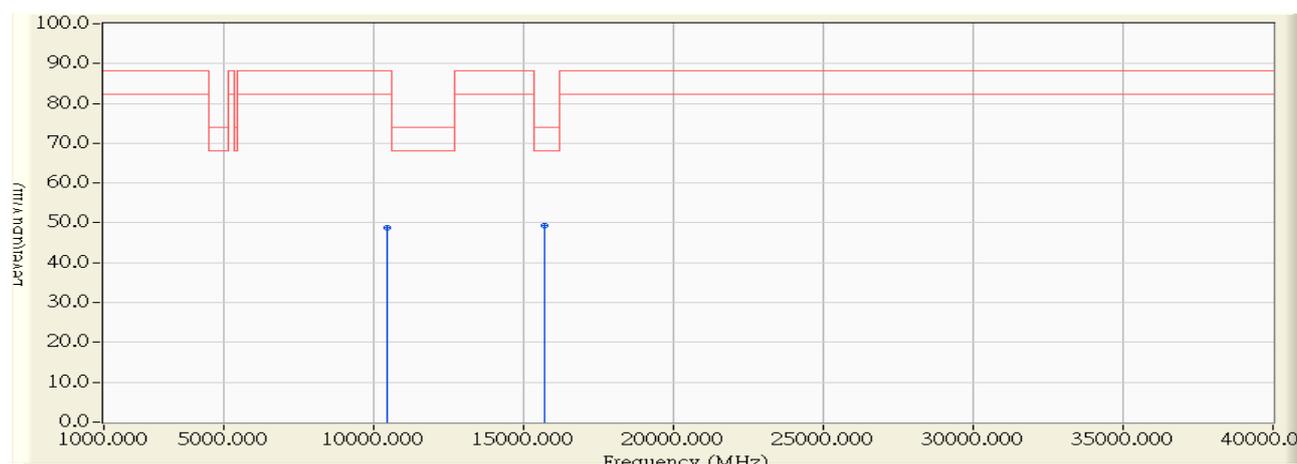


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10460.000	10.518	38.295	48.813	-39.487	88.300	PEAK
2	* 15690.000	11.301	38.695	49.996	-24.004	74.000	PEAK

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. 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 : 2013/06/17 - 15:48
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n40 5230MHz

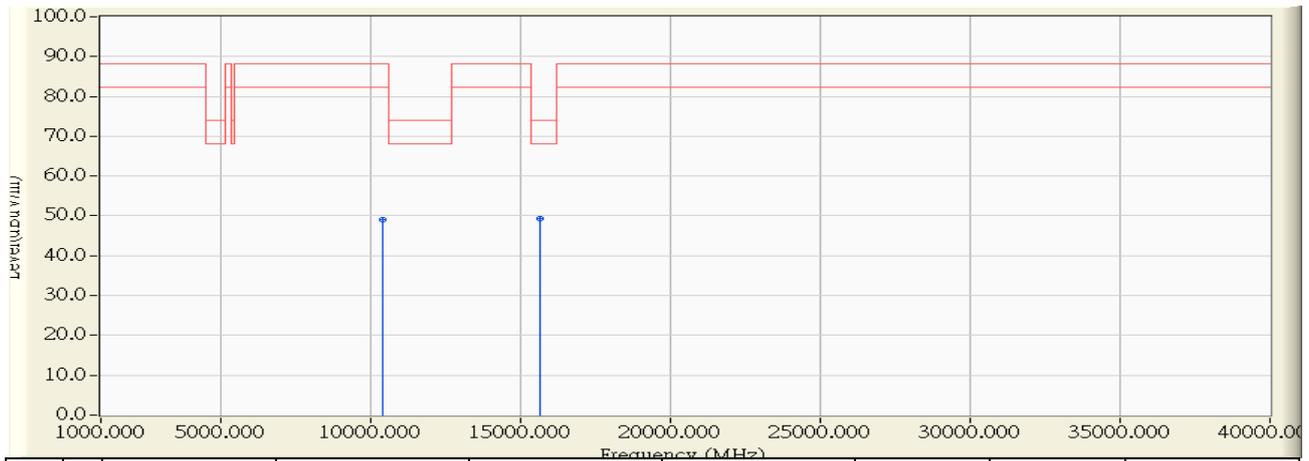


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10460.000	10.518	38.204	48.722	-39.578	88.300	PEAK
2	* 15690.000	11.301	38.091	49.392	-24.608	74.000	PEAK

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. 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 : 2013/06/17 - 15:54
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11ac80 5210MHz

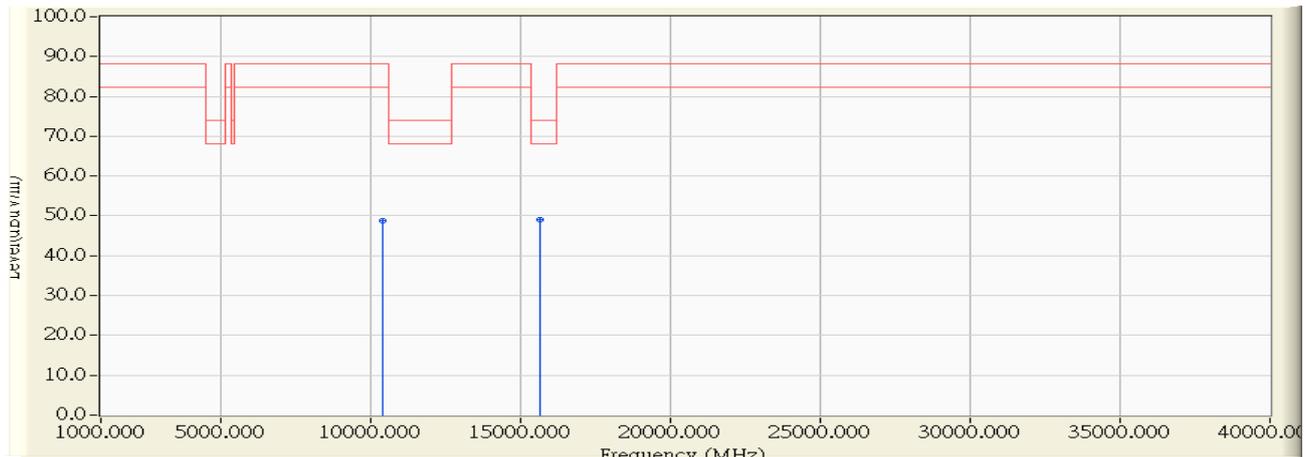


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10420.000	10.628	38.341	48.969	-39.331	88.300	PEAK
2	* 15630.000	11.342	37.966	49.308	-24.692	74.000	PEAK

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. 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 : 2013/06/17 - 15:56
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11ac80 5210MHz

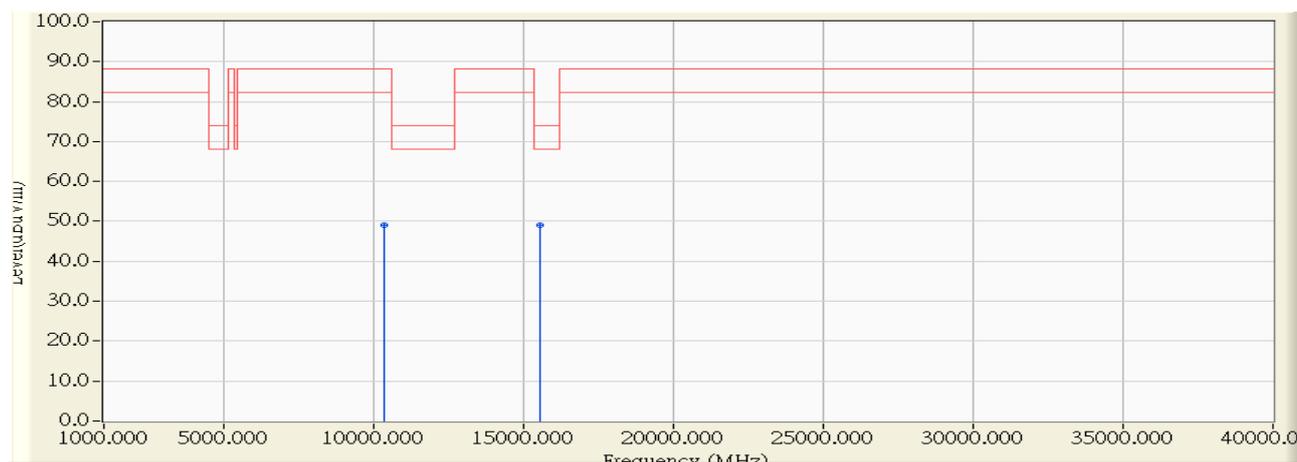


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10420.000	10.628	38.175	48.803	-39.497	88.300	PEAK
2	* 15630.000	11.342	37.843	49.185	-24.815	74.000	PEAK

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. 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 : 2013/06/17 - 16:00
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11a 5180MHz

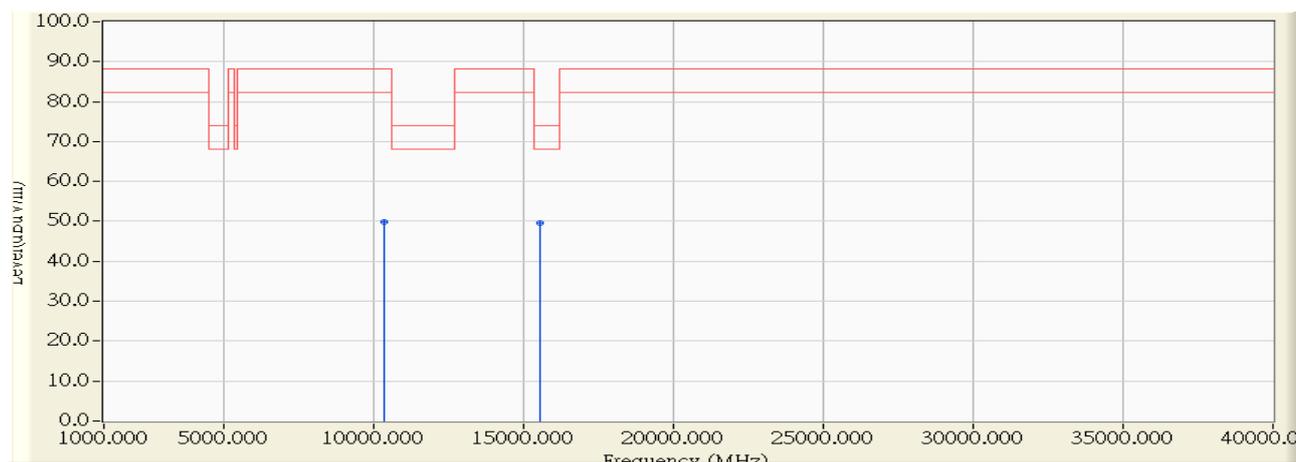


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10360.000	10.794	38.346	49.140	-39.160	88.300	PEAK
2	*	15540.000	11.404	37.672	49.076	-24.924	74.000	PEAK

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. 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 : 2013/06/17 - 16:02
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11a 5180MHz

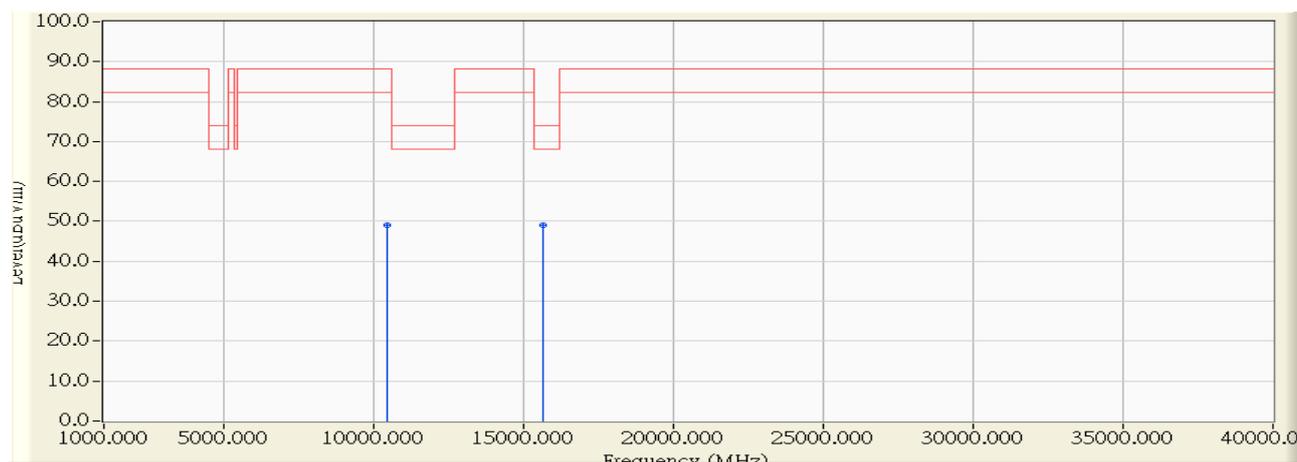


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10360.000	10.794	39.117	49.911	-38.389	88.300	PEAK
2	* 15540.000	11.404	38.265	49.669	-24.331	74.000	PEAK

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. 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 : 2013/06/17 - 16:06
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11a 5220MHz A+B

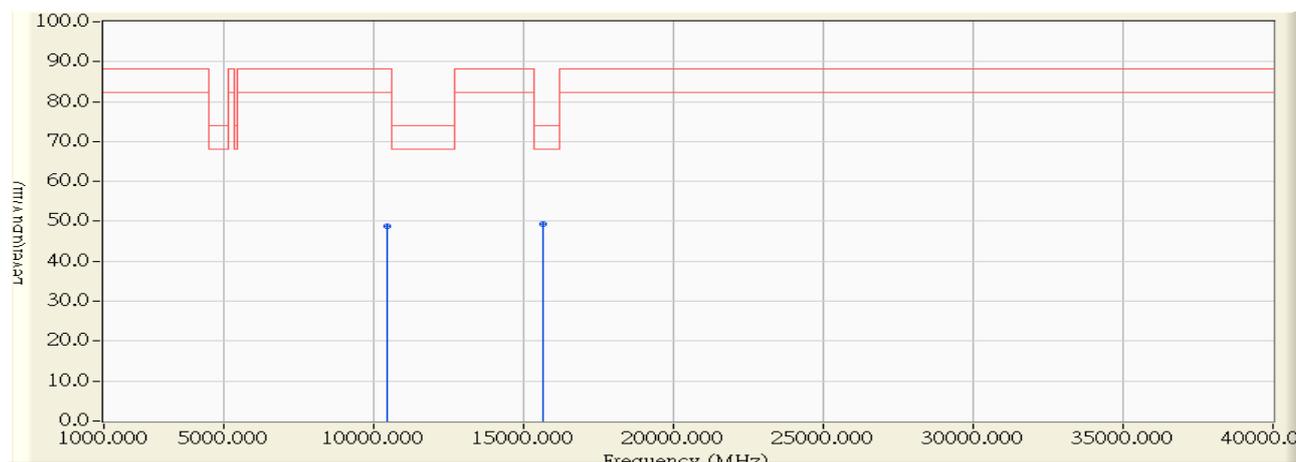


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10440.000	10.573	38.363	48.936	-39.364	88.300	PEAK
2	* 15660.000	11.322	37.733	49.055	-24.945	74.000	PEAK

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. 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 : 2013/06/17 - 16:08
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11a 5220MHz

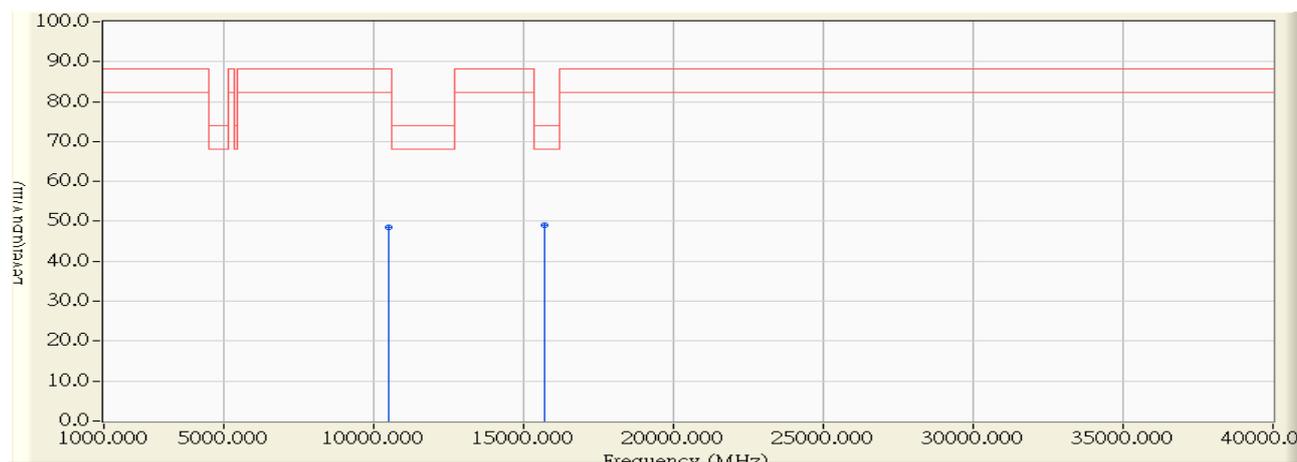


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10440.000	10.573	38.100	48.673	-39.627	88.300	PEAK
2	* 15660.000	11.322	37.982	49.304	-24.696	74.000	PEAK

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. 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 : 2013/06/17 - 16:10
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11a 5240MHz

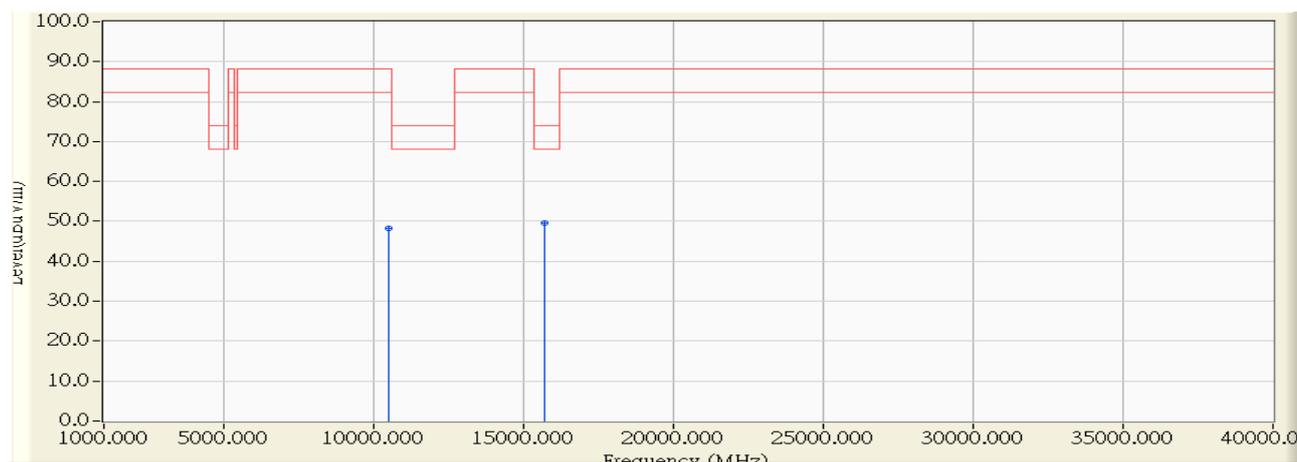


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10480.000	10.463	38.011	48.474	-39.826	88.300	PEAK
2	* 15720.000	11.281	37.790	49.071	-24.929	74.000	PEAK

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. 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 : 2013/06/17 - 16:12
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11a 5240MHz

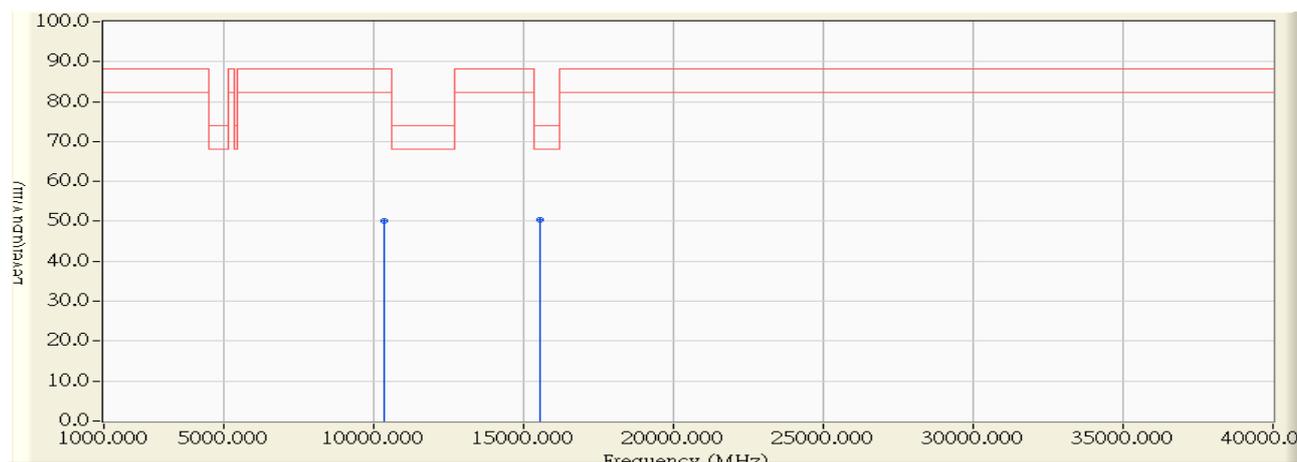


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10480.000	10.463	37.923	48.386	-39.914	88.300	PEAK
2	* 15720.000	11.281	38.260	49.541	-24.459	74.000	PEAK

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. 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 : 2013/06/18 - 09:21
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n20 5180MHz

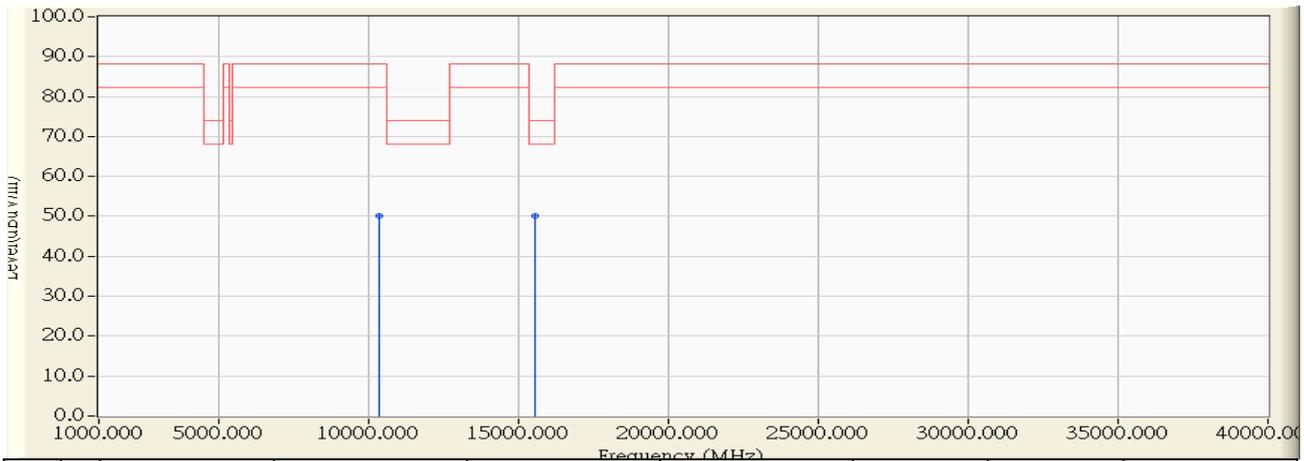


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10360.000	10.794	39.240	50.034	-38.266	88.300	PEAK
2	*	15540.000	11.404	39.094	50.498	-23.502	74.000	PEAK

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. 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 : 2013/06/18 - 09:24
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n20 5180MHz

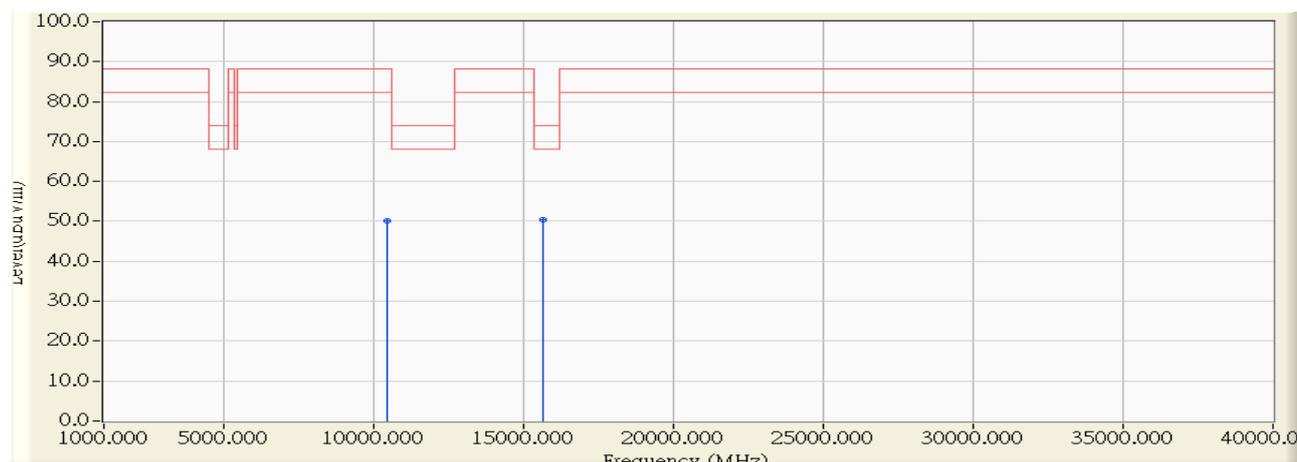


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10360.000	10.794	39.338	50.132	-38.168	88.300	PEAK
2	* 15540.000	11.404	38.789	50.193	-23.807	74.000	PEAK

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. 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 : 2013/06/18 - 09:27
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n20 5220MHz

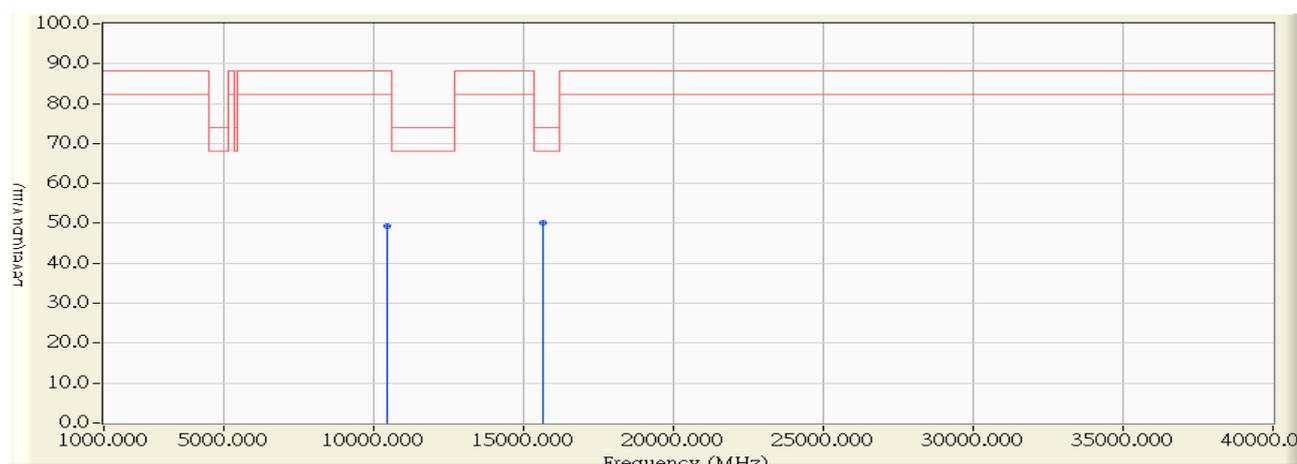


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10440.000	10.573	39.573	50.146	-38.154	88.300	PEAK
2	* 15660.000	11.322	39.195	50.517	-23.483	74.000	PEAK

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. 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 : 2013/06/18 - 09:29
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n20 5220MHz

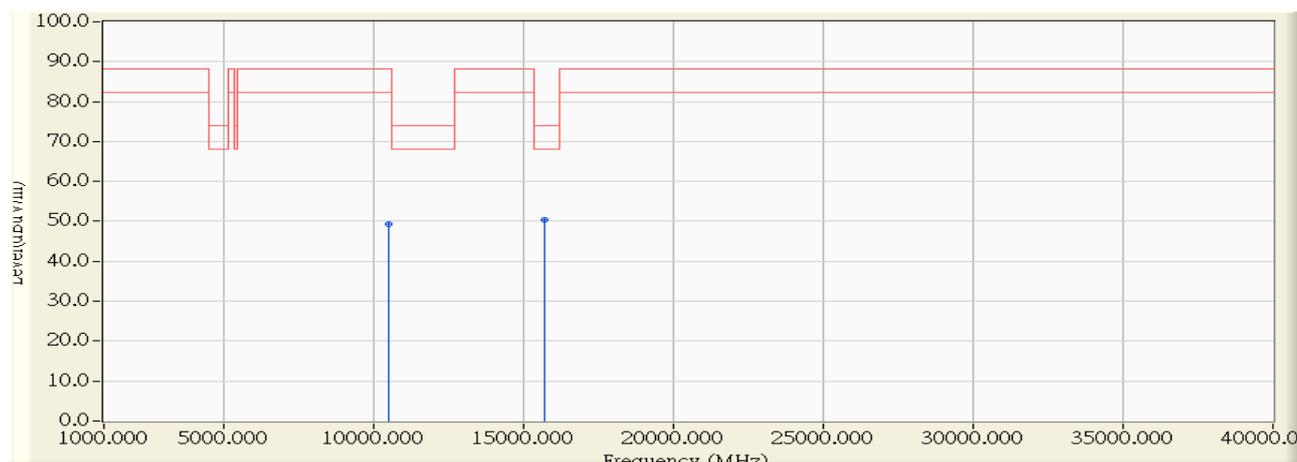


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10440.000	10.573	38.664	49.237	-39.063	88.300	PEAK
2	* 15660.000	11.322	38.804	50.126	-23.874	74.000	PEAK

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. 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 : 2013/06/18 - 09:31
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n20 5240MHz

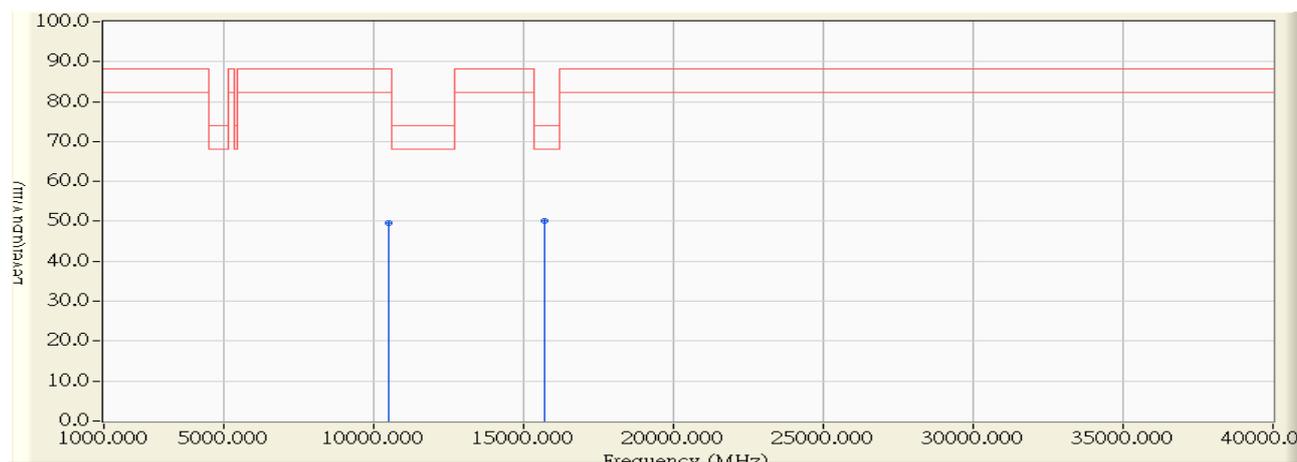


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10480.000	10.463	38.893	49.356	-38.944	88.300	PEAK
2	* 15720.000	11.281	39.252	50.533	-23.467	74.000	PEAK

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. 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 : 2013/06/18 - 09:34
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n20 5240MHz

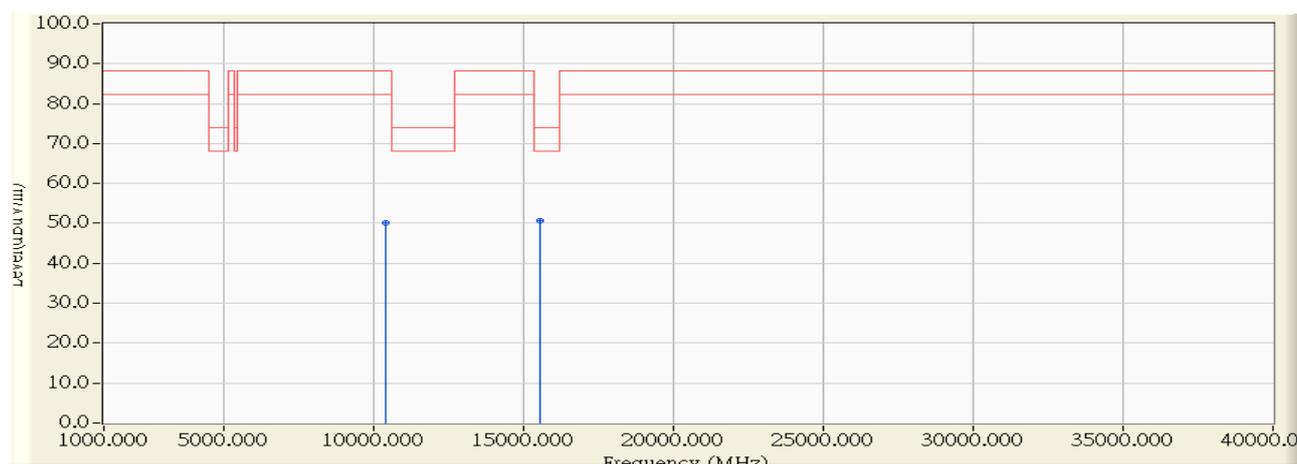


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		10480.000	10.463	39.182	49.645	-38.655	88.300	PEAK
2	*	15720.000	11.281	38.896	50.177	-23.823	74.000	PEAK

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. 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 : 2013/06/18 - 09:37
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n40 5190MHz

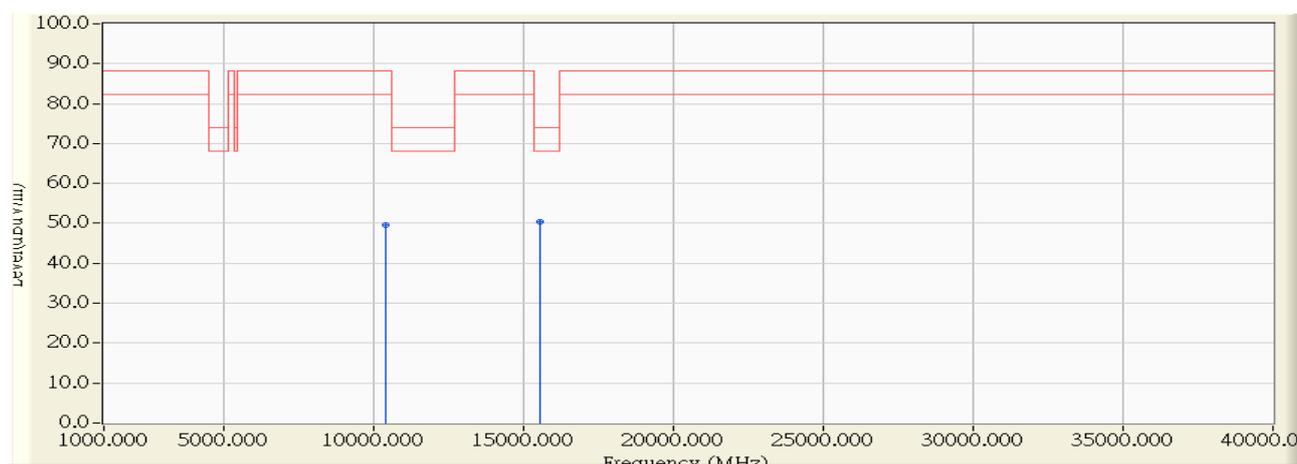


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10380.000	10.739	39.299	50.038	-38.262	88.300	PEAK
2	* 15570.000	11.383	39.282	50.665	-23.335	74.000	PEAK

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.
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 : 2013/06/18 - 09:39
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n40 5190MHz

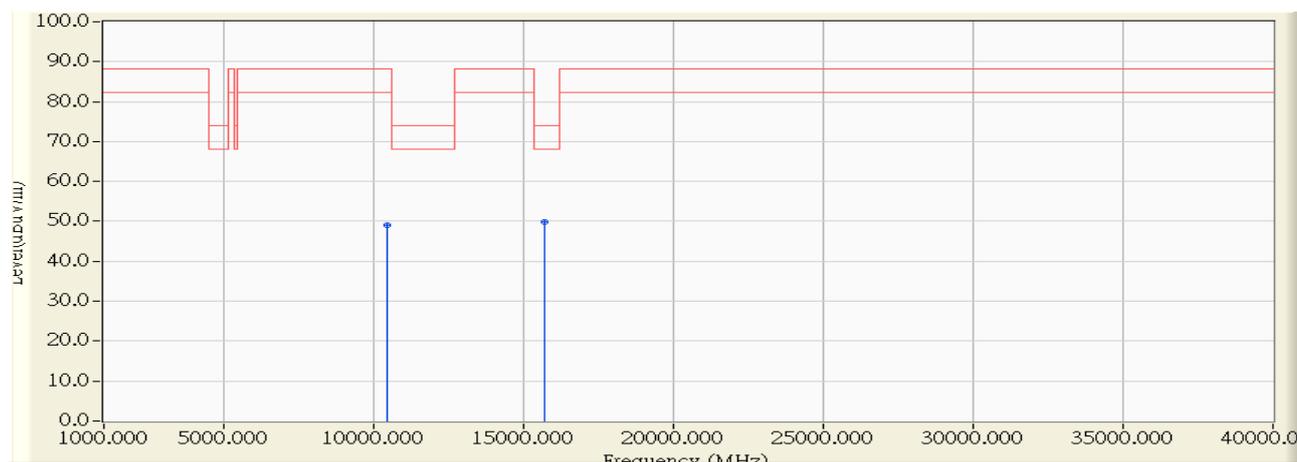


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10380.000	10.739	38.927	49.666	-38.634	88.300	PEAK
2	* 15570.000	11.383	38.947	50.330	-23.670	74.000	PEAK

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. 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 : 2013/06/18 - 09:42
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n40 5230MHz

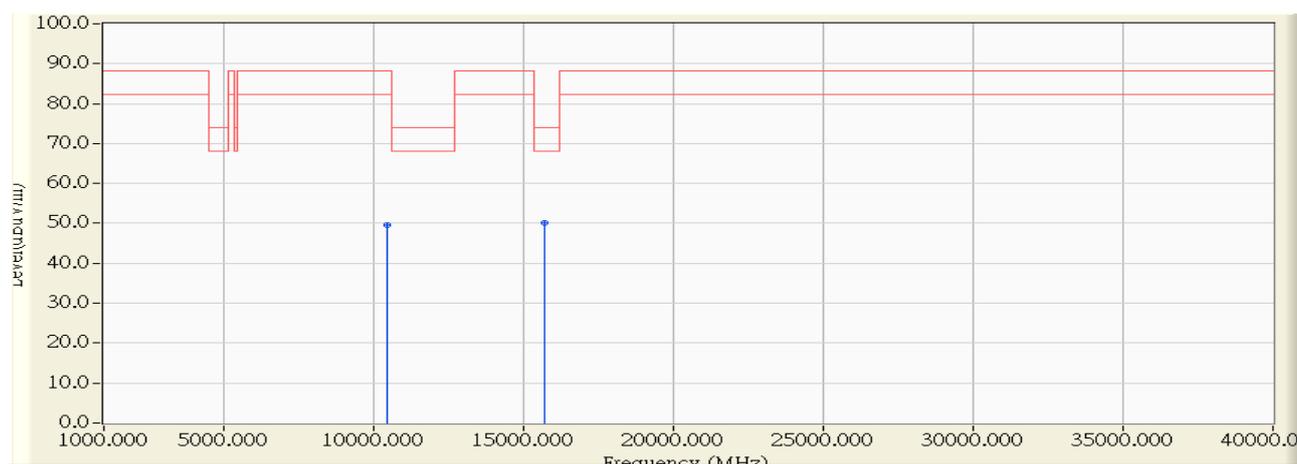


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10460.000	10.518	38.673	49.191	-39.109	88.300	PEAK
2	* 15690.000	11.301	38.562	49.863	-24.137	74.000	PEAK

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. 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 : 2013/06/18 - 09:46
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n40 5230MHz

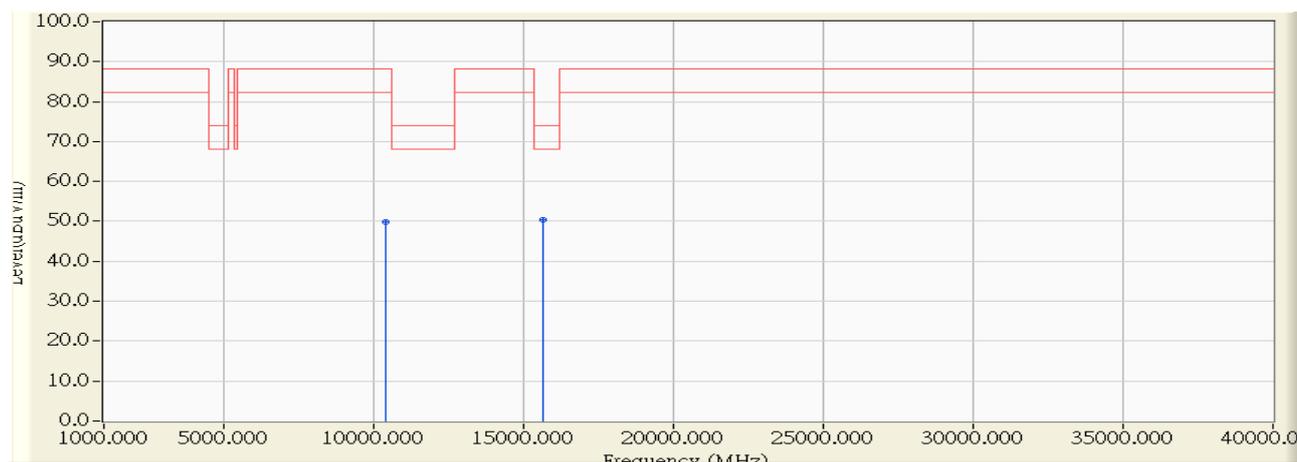


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10460.000	10.518	39.006	49.524	-38.776	88.300	PEAK
2	* 15690.000	11.301	38.818	50.119	-23.881	74.000	PEAK

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. 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 : 2013/06/18 - 09:49
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11ac80 5210MHz

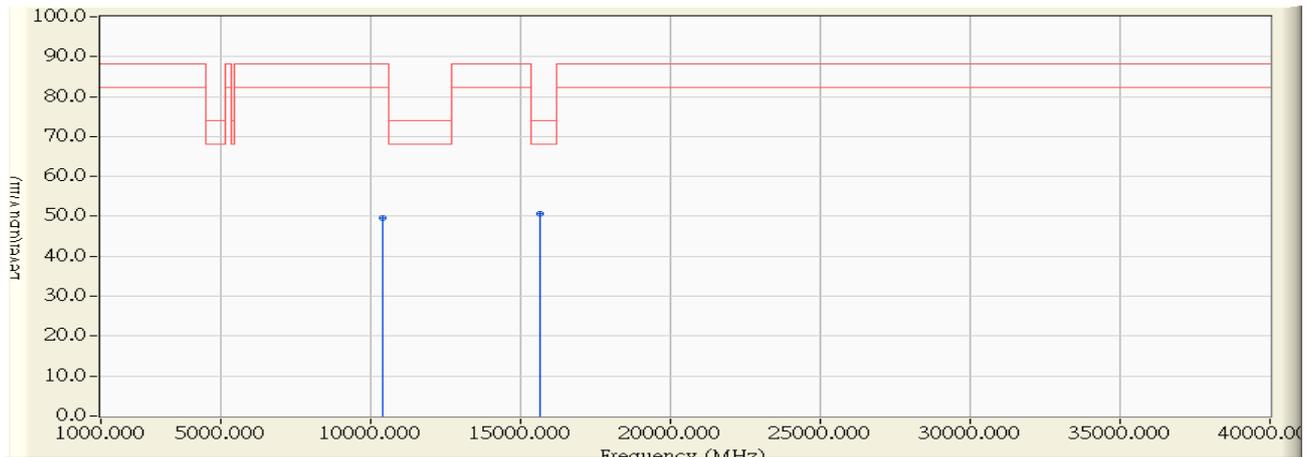


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10420.000	10.628	39.196	49.824	-38.476	88.300	PEAK
2	* 15630.000	11.342	39.075	50.417	-23.583	74.000	PEAK

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. 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 : 2013/06/18 - 09:52
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11ac80 5210MHz



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	10420.000	10.628	38.894	49.522	-38.778	88.300	PEAK
2	* 15630.000	11.342	39.292	50.634	-23.366	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. Measurement Level = Reading Level + Correct Factor. .

6. 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:

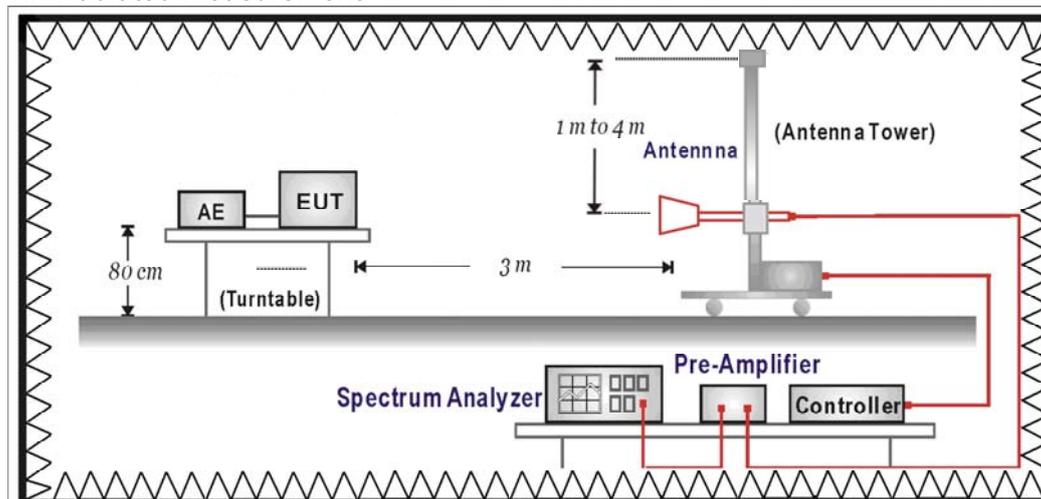
Radiated Emission Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2014/02/17
Spectrum Analyzer	Agilent	E4440A	MY46187335	2014/01/27
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2014/02/21

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.

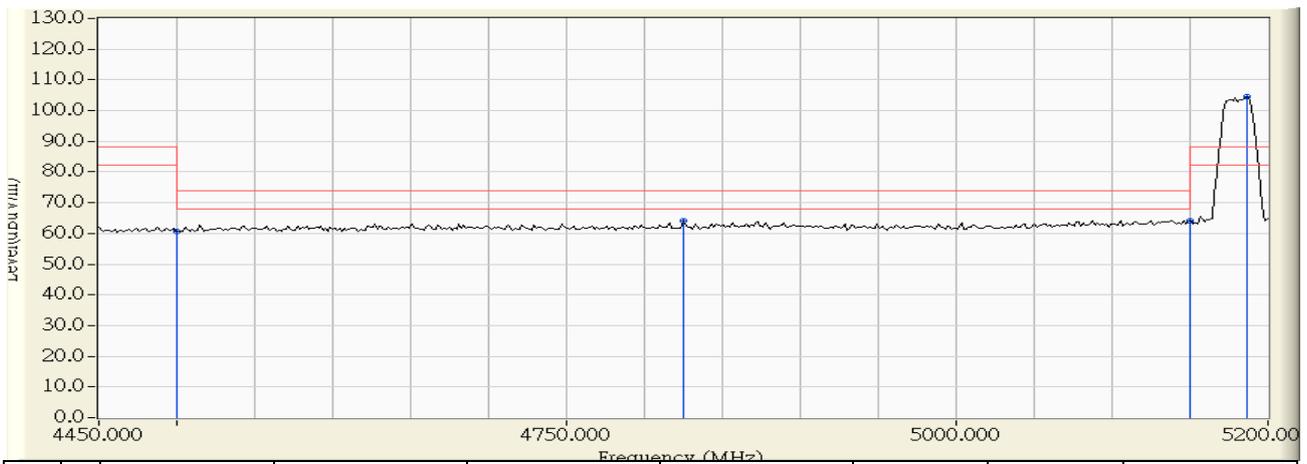
8.5. Uncertainty

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

8.6. Test Result

Radiated is defined as

Site : CB1	Time : 2013/06/10 – 18:44
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11a 5180MHz

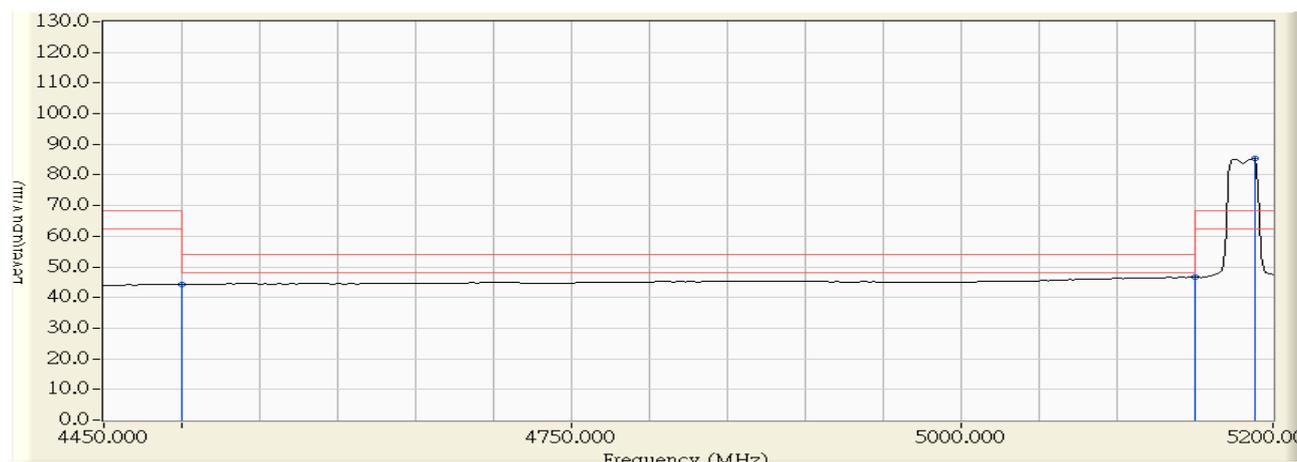


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	62.280	60.628	-13.372	74.000	PEAK
2	4825.000	-0.801	64.804	64.004	-9.996	74.000	PEAK
3	5150.000	0.831	63.247	64.078	-9.922	74.000	PEAK
4	* 5186.500	1.116	103.380	104.496	16.196	88.300	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 : 2013/06/10 – 18:49
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11a 5180MHz

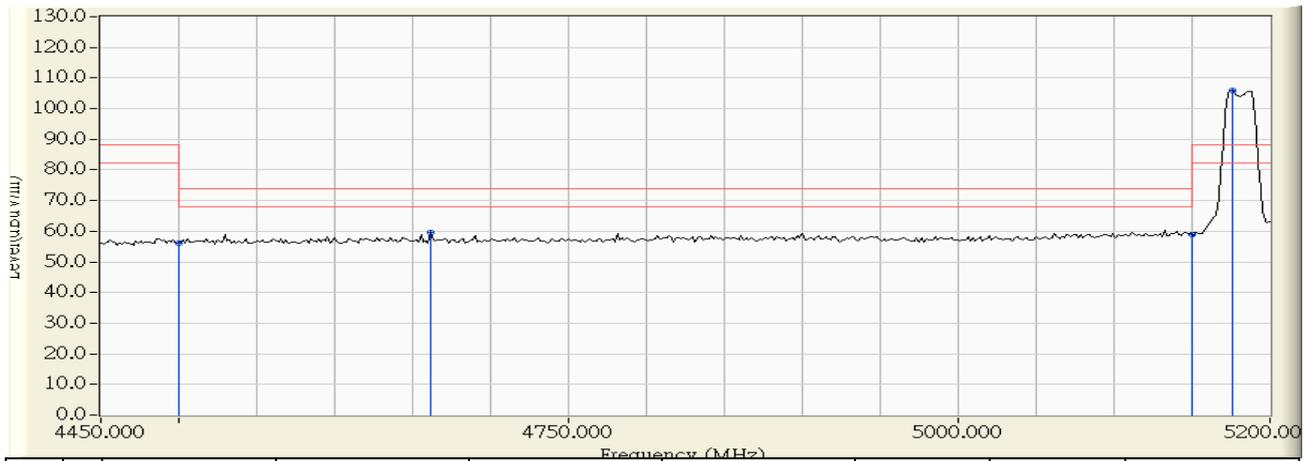


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.880	44.228	-9.772	54.000	AVERAGE
2	5150.000	0.831	45.807	46.638	-7.362	54.000	AVERAGE
3	* 5188.000	1.127	84.142	85.270	16.970	68.300	AVERAGE

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 : 2013/06/10 – 18:56
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11a 5180MHz

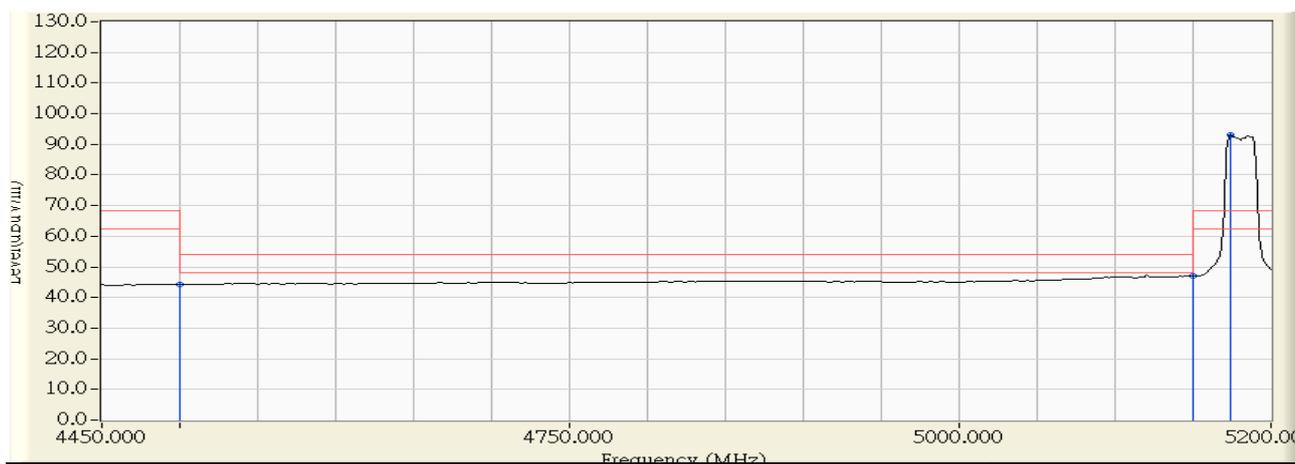


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	57.809	56.157	-17.843	74.000	PEAK
2	4661.500	-1.230	60.860	59.630	-14.370	74.000	PEAK
3	5150.000	0.831	58.082	58.913	-15.087	74.000	PEAK
4	* 5176.000	1.034	104.845	105.879	17.579	88.300	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 : 2013/06/10 - 19:02
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11a 5180MHz

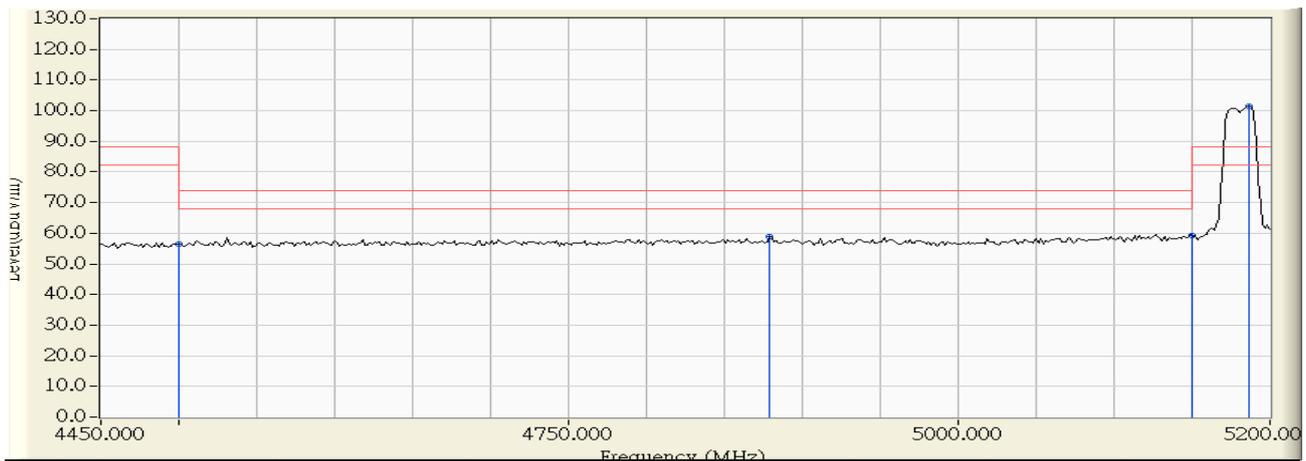


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.876	44.224	-9.776	54.000	AVERAGE
2	5150.000	0.831	46.124	46.955	-7.045	54.000	AVERAGE
3	* 5174.500	1.022	91.888	92.910	24.610	68.300	AVERAGE

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 : 2013/06/10 - 19:09
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n20 5180MHz

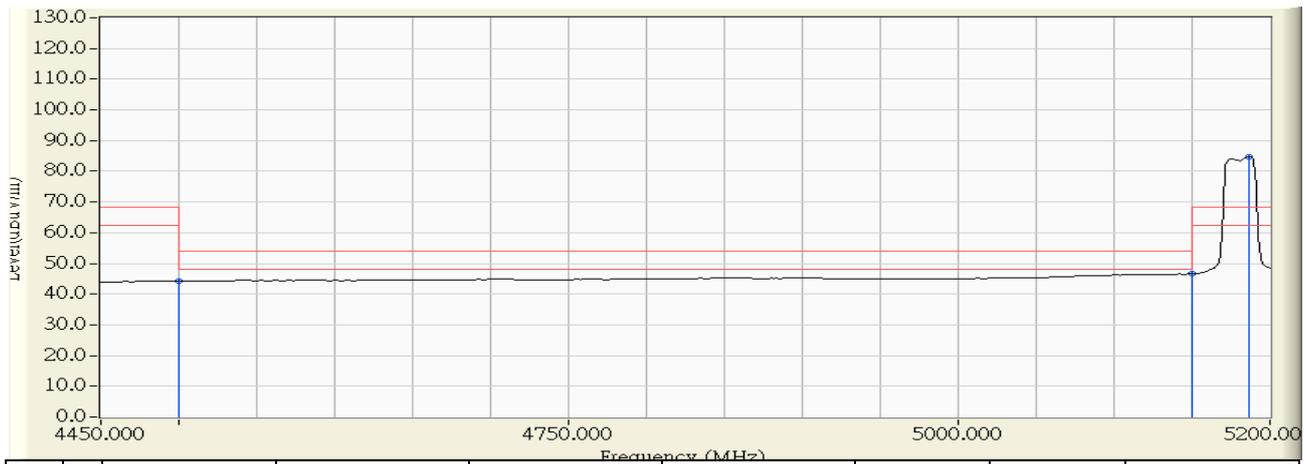


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	58.208	56.556	-17.444	74.000	PEAK
2	4879.000	-0.659	59.695	59.036	-14.964	74.000	PEAK
3	5150.000	0.831	58.344	59.175	-14.825	74.000	PEAK
4	* 5186.500	1.116	100.232	101.348	13.048	88.300	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 : 2013/06/10 - 19:14
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n20 5180MHz

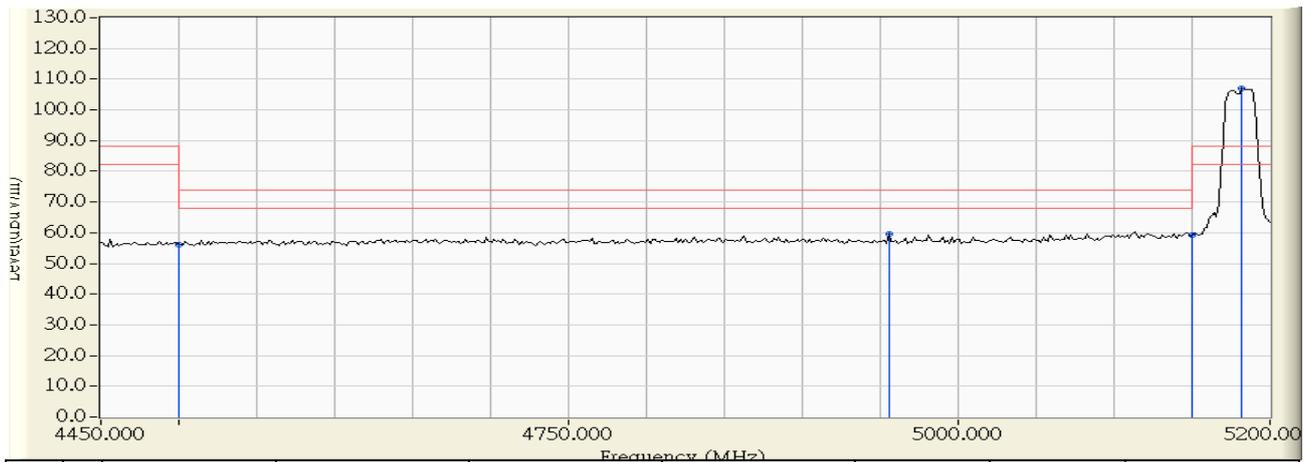


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.859	44.207	-9.793	54.000	AVERAGE
2	5150.000	0.831	45.757	46.588	-7.412	54.000	AVERAGE
3	* 5186.500	1.116	83.740	84.856	16.556	68.300	AVERAGE

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 : 2013/06/10 - 19:19
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n20 5180MHz

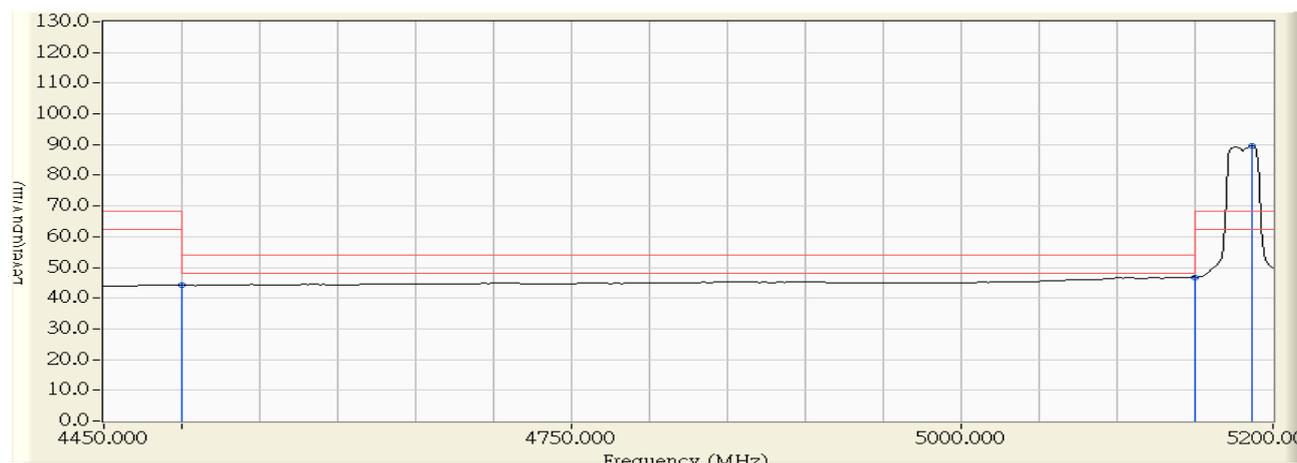


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	57.923	56.271	-17.729	74.000	PEAK
2	4955.500	-0.458	59.957	59.499	-14.501	74.000	PEAK
3	5150.000	0.831	58.494	59.325	-14.675	74.000	PEAK
4	* 5182.000	1.081	105.867	106.948	18.648	88.300	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 : 2013/06/10 - 19:24
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n20 5180MHz

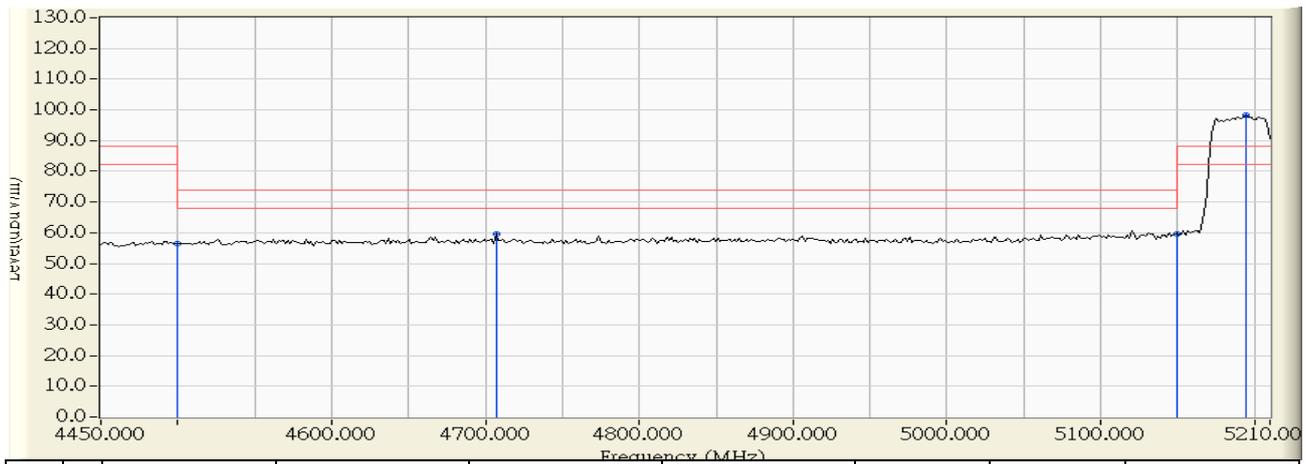


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.797	44.145	-9.855	54.000	AVERAGE
2	5150.000	0.831	46.043	46.874	-7.126	54.000	AVERAGE
3	* 5186.500	1.116	88.589	89.705	21.405	68.300	AVERAGE

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 : 2013/06/10 - 19:27
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n40 5190MHz

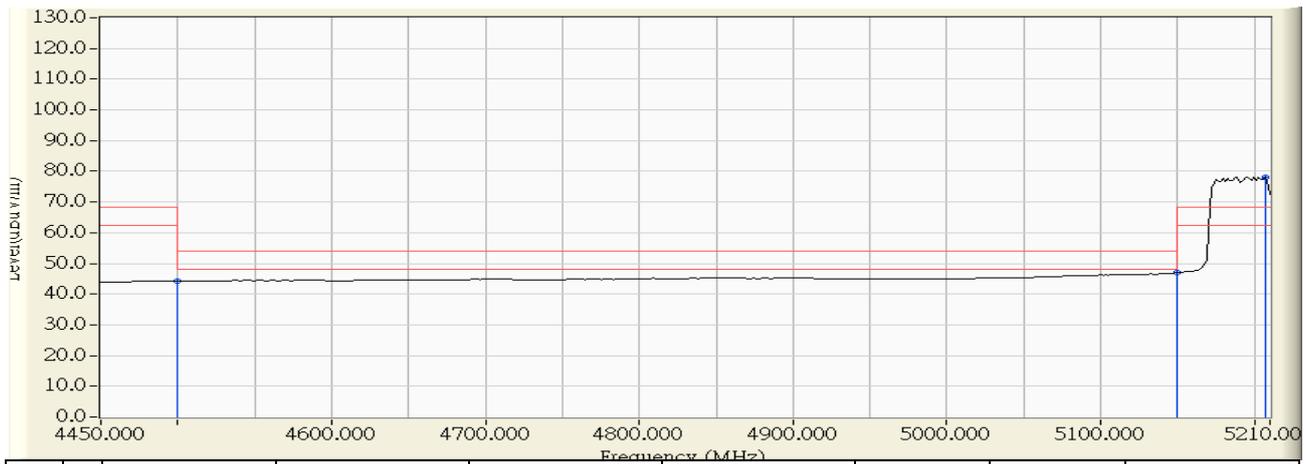


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	58.102	56.450	-17.550	74.000	PEAK
2	4706.880	-1.111	60.696	59.586	-14.414	74.000	PEAK
3	5150.000	0.831	58.805	59.636	-14.364	74.000	PEAK
4	* 5194.800	1.181	97.233	98.414	10.114	88.300	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 : 2013/06/10 - 19:31
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n40 5190MHz

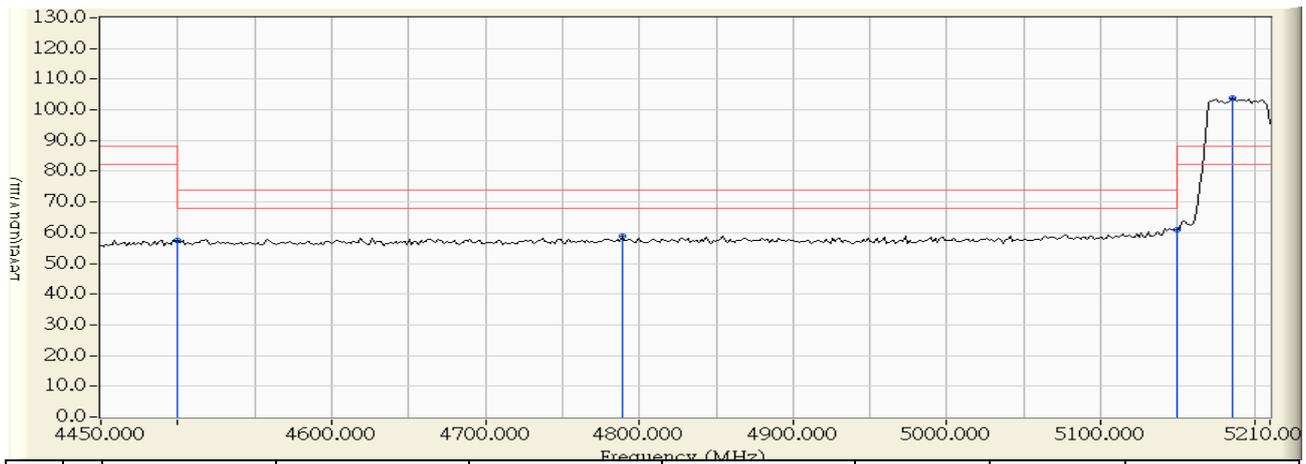


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.819	44.167	-9.833	54.000	AVERAGE
2	5150.000	0.831	46.105	46.936	-7.064	54.000	AVERAGE
3	* 5206.960	1.277	76.842	78.118	9.818	68.300	AVERAGE

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 : 2013/06/10 - 19:34
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n40 5190MHz

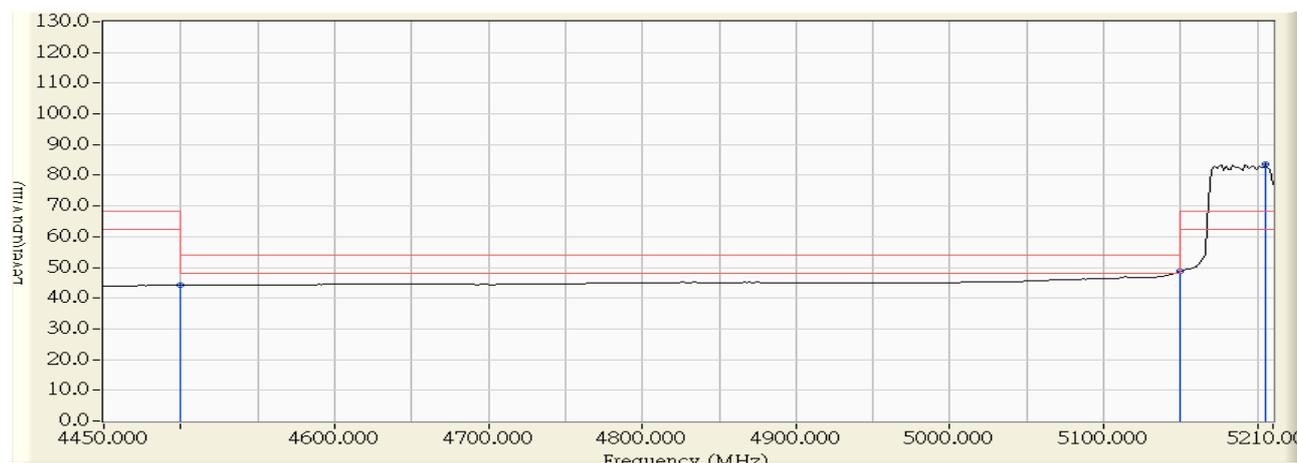


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	59.070	57.418	-16.582	74.000	PEAK
2	4788.960	-0.895	59.882	58.987	-15.013	74.000	PEAK
3	5150.000	0.831	60.020	60.851	-13.149	74.000	PEAK
4	* 5185.680	1.110	102.820	103.930	15.630	88.300	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 : 2013/06/10 - 19:36
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11n40 5190MHz

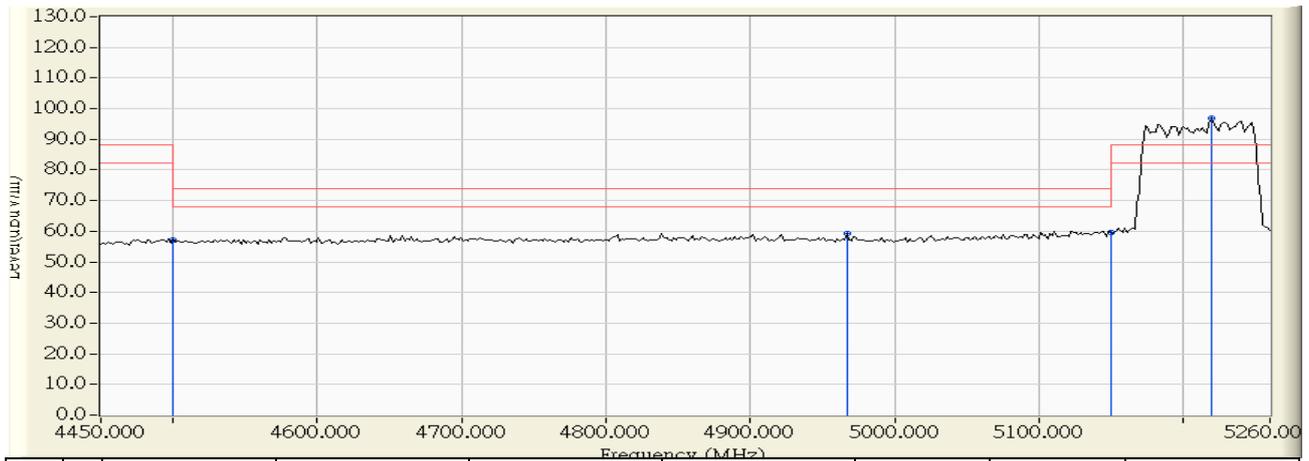


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.870	44.218	-9.782	54.000	AVERAGE
2	5150.000	0.831	47.818	48.649	-5.351	54.000	AVERAGE
3	* 5205.440	1.264	82.374	83.638	15.338	68.300	AVERAGE

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 : 2013/06/10 - 19:40
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11ac80 5210MHz

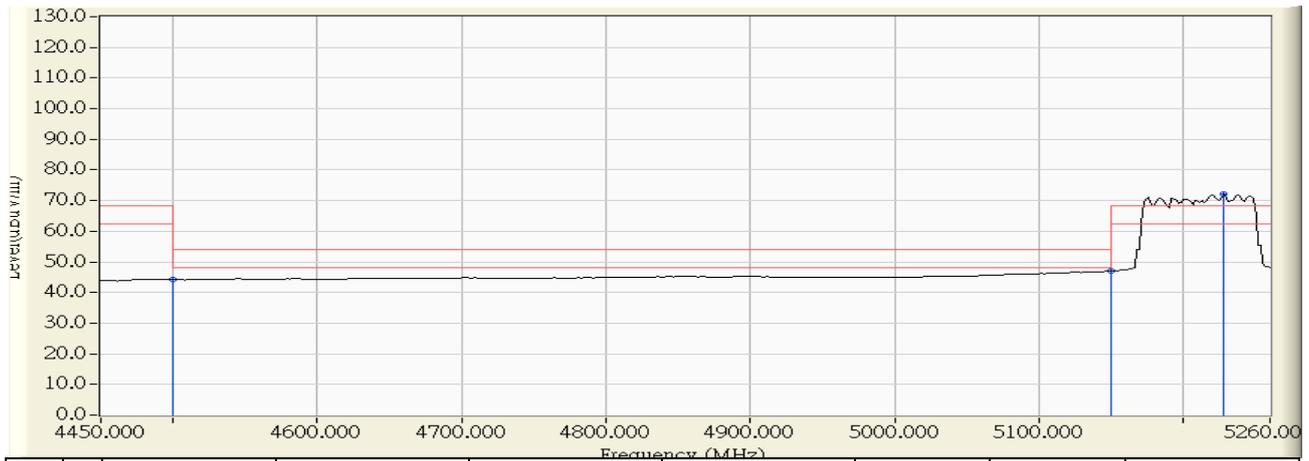


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	58.978	57.326	-16.674	74.000	PEAK
2	4966.780	-0.429	59.522	59.094	-14.906	74.000	PEAK
3	5150.000	0.831	58.792	59.623	-14.377	74.000	PEAK
4	* 5219.500	1.373	95.446	96.820	8.520	88.300	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 : 2013/06/10 - 19:41
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11ac80 5210MHz

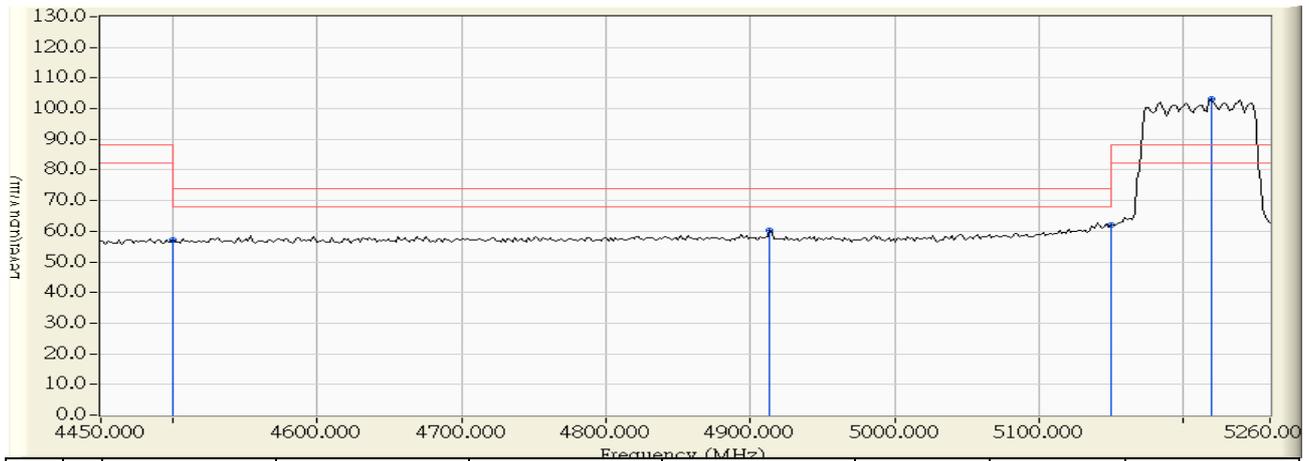


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.781	44.129	-9.871	54.000	AVERAGE
2	5150.000	0.831	46.146	46.977	-7.023	54.000	AVERAGE
3	* 5227.600	1.436	70.633	72.070	3.770	68.300	AVERAGE

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 : 2013/06/10 - 19:44
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11ac80 5210MHz

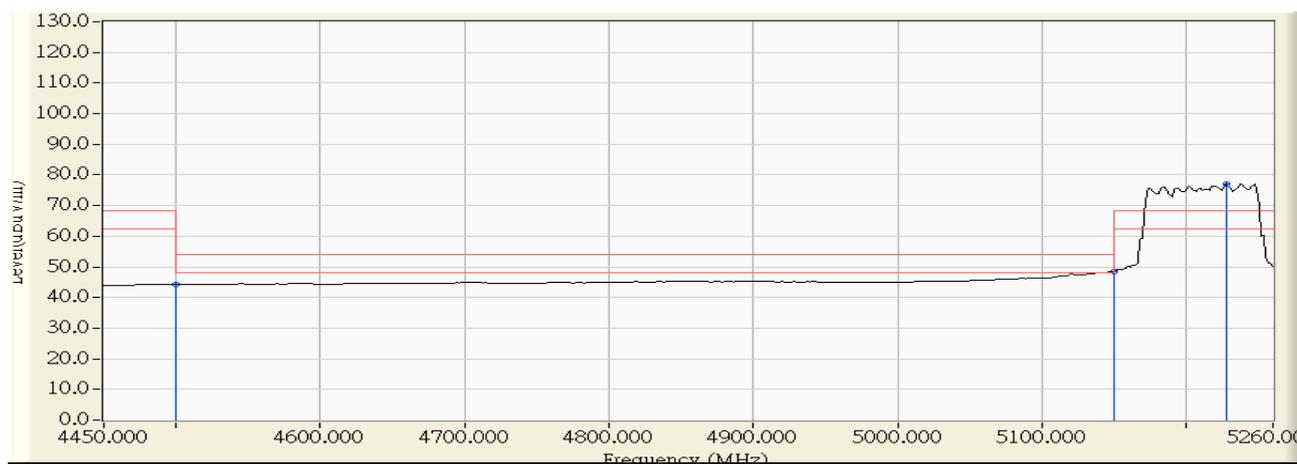


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	58.836	57.184	-16.816	74.000	PEAK
2	4913.320	-0.568	60.722	60.153	-13.847	74.000	PEAK
3	5150.000	0.831	61.066	61.897	-12.103	74.000	PEAK
4	* 5219.500	1.373	101.937	103.311	15.011	88.300	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 : 2013/06/10 - 19:45
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 1: Transmit (Dipole Antenna)_802.11ac80 5210MHz

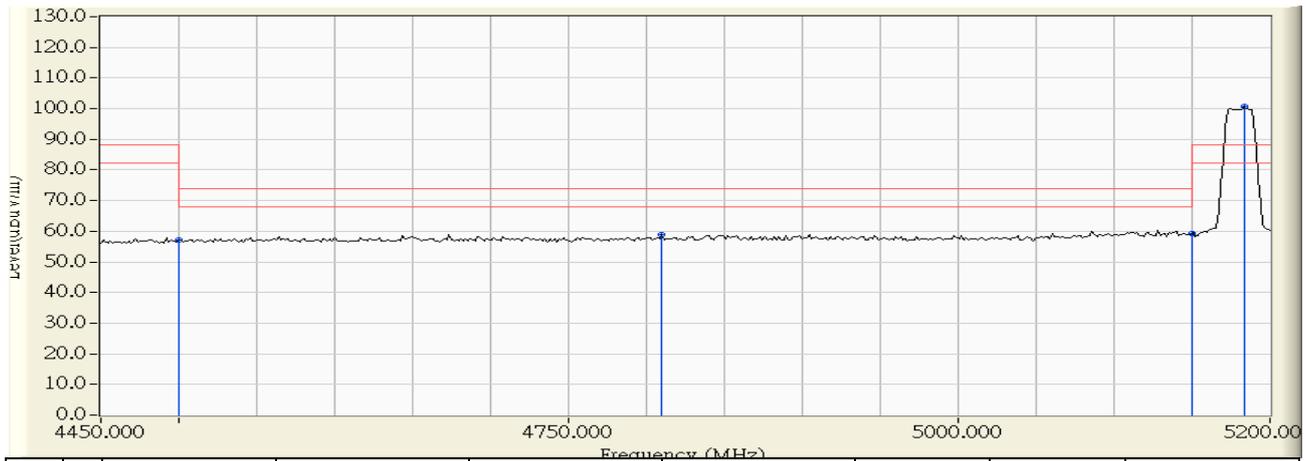


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.810	44.158	-9.842	54.000	AVERAGE
2	5150.000	0.831	47.652	48.483	-5.517	54.000	AVERAGE
3	* 5227.600	1.436	75.625	77.062	8.762	68.300	AVERAGE

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 : 2013/06/10 - 19:49
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11a 5180MHz

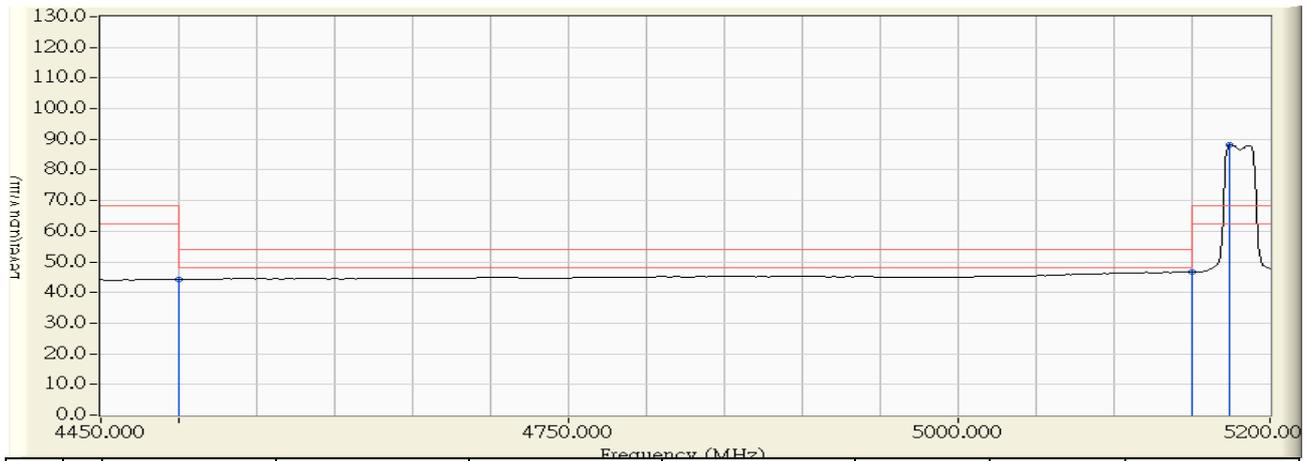


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	58.645	56.993	-17.007	74.000	PEAK
2	4810.000	-0.840	59.654	58.814	-15.186	74.000	PEAK
3	5150.000	0.831	58.571	59.402	-14.598	74.000	PEAK
4	* 5183.500	1.092	99.661	100.754	12.454	88.300	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 : 2013/06/10 - 19:51
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11a 5180MHz

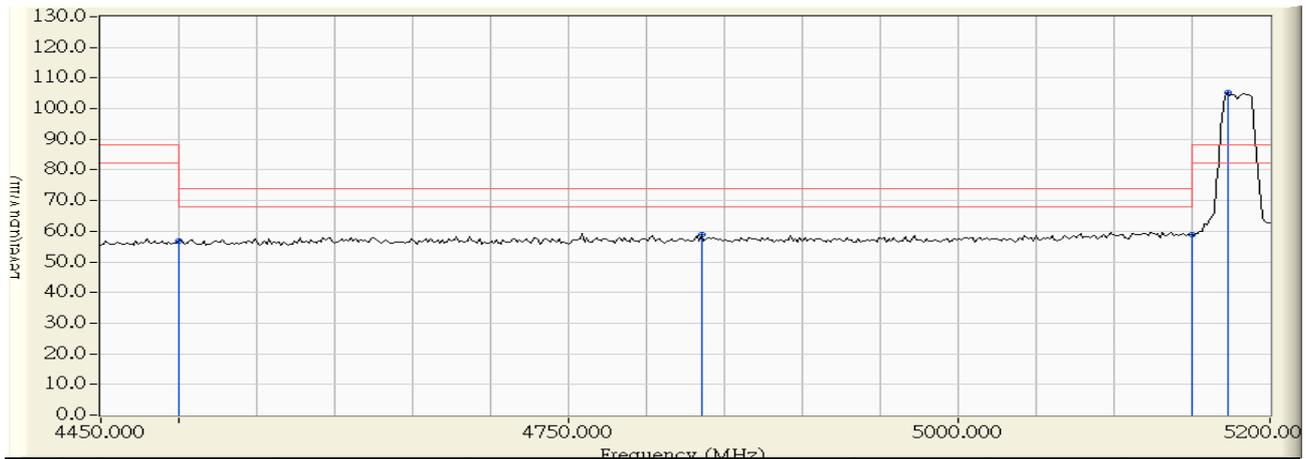


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.868	44.216	-9.784	54.000	AVERAGE
2	5150.000	0.831	45.853	46.684	-7.316	54.000	AVERAGE
3	* 5174.500	1.022	87.123	88.145	19.845	68.300	AVERAGE

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 : 2013/06/10 - 19:54
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11a 5180MHz

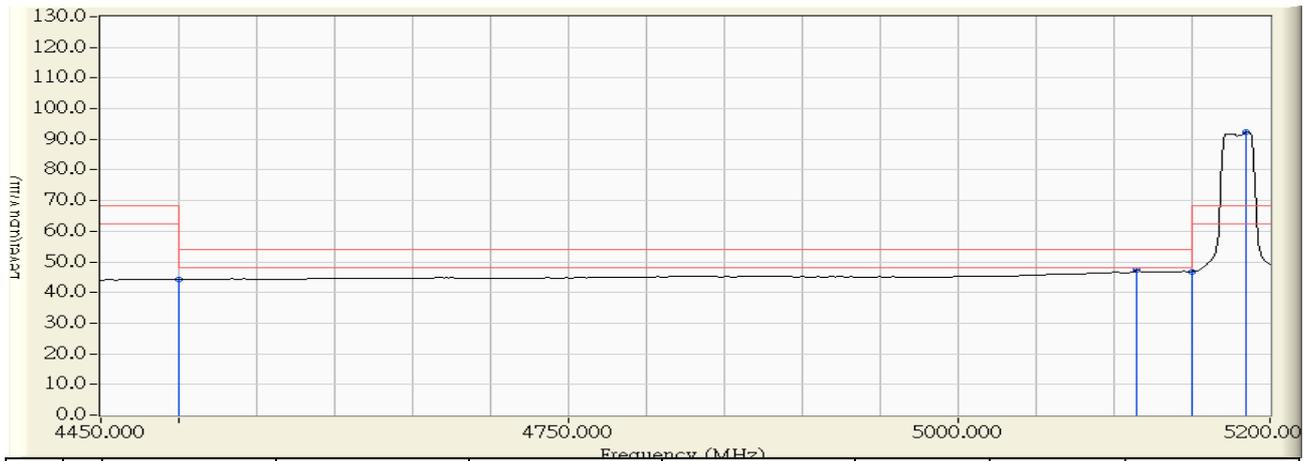


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	58.365	56.713	-17.287	74.000	PEAK
2	4835.500	-0.773	59.730	58.957	-15.043	74.000	PEAK
3	5150.000	0.831	57.900	58.731	-15.269	74.000	PEAK
4	* 5173.000	1.010	104.402	105.412	17.112	88.300	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 : 2013/06/10 - 19:56
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11a 5180MHz

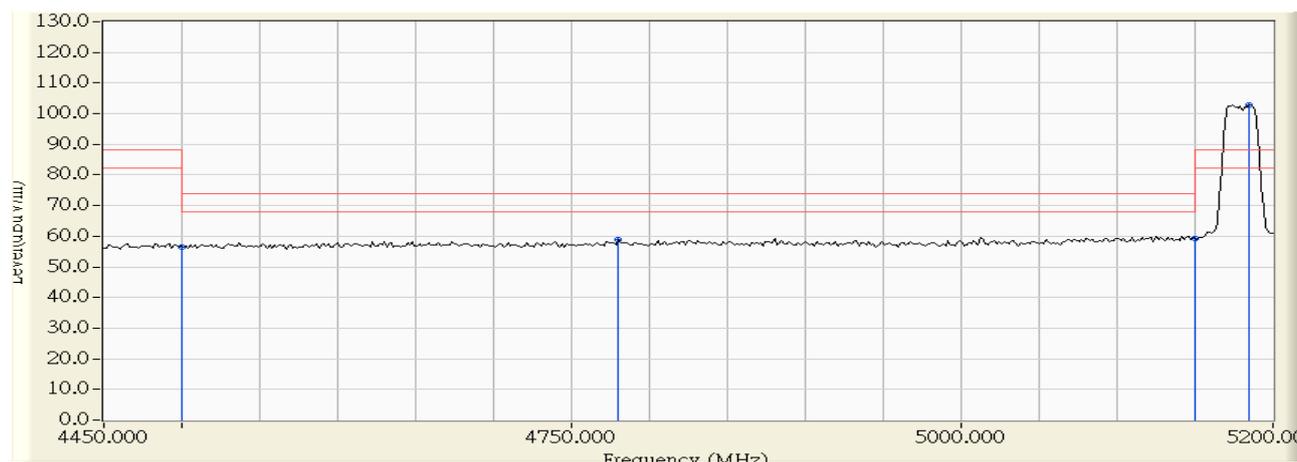


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	46.011	44.359	-9.641	54.000	AVERAGE
2	5114.500	0.553	46.926	47.479	-6.521	54.000	AVERAGE
3	5150.000	0.831	46.038	46.869	-7.131	54.000	AVERAGE
4	* 5185.000	1.104	91.342	92.446	24.146	68.300	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 : 2013/06/10 - 20:00
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n20 5180MHz

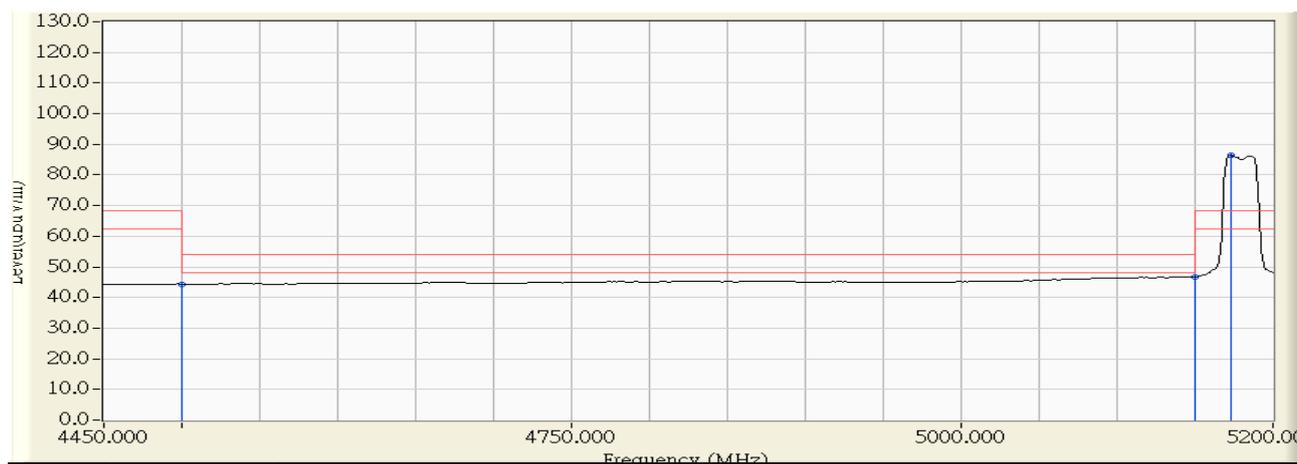


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	58.181	56.529	-17.471	74.000	PEAK
2	4780.000	-0.919	59.699	58.780	-15.220	74.000	PEAK
3	5150.000	0.831	58.377	59.208	-14.792	74.000	PEAK
4	* 5185.000	1.104	101.676	102.780	14.480	88.300	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 : 2013/06/10 - 20:01
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n20 5180MHz

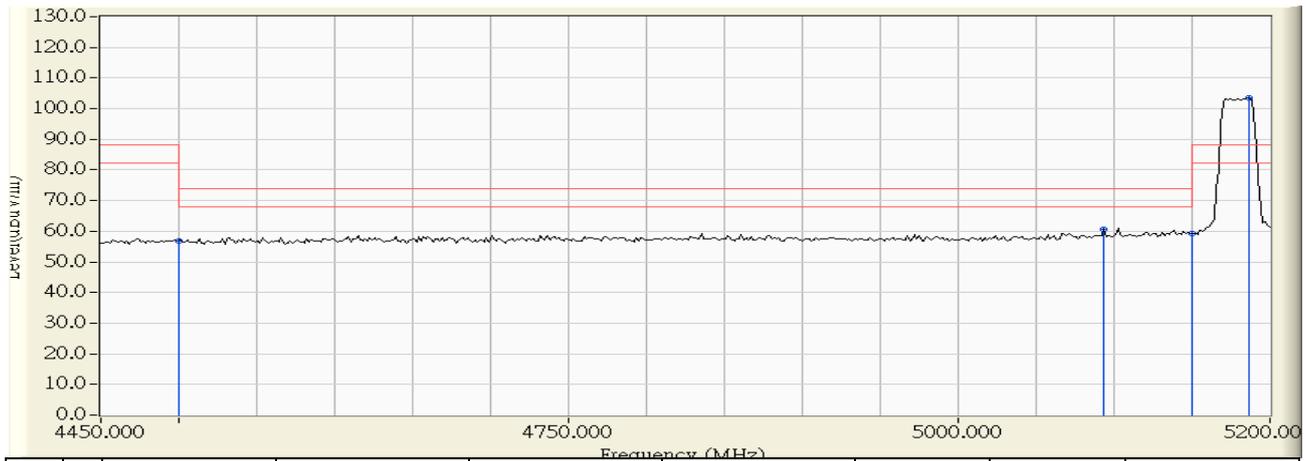


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	46.059	44.407	-9.593	54.000	AVERAGE
2	5150.000	0.831	45.848	46.679	-7.321	54.000	AVERAGE
3	* 5173.000	1.010	85.262	86.272	17.972	68.300	AVERAGE

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 : 2013/06/10 - 20:05
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n20 5180MHz

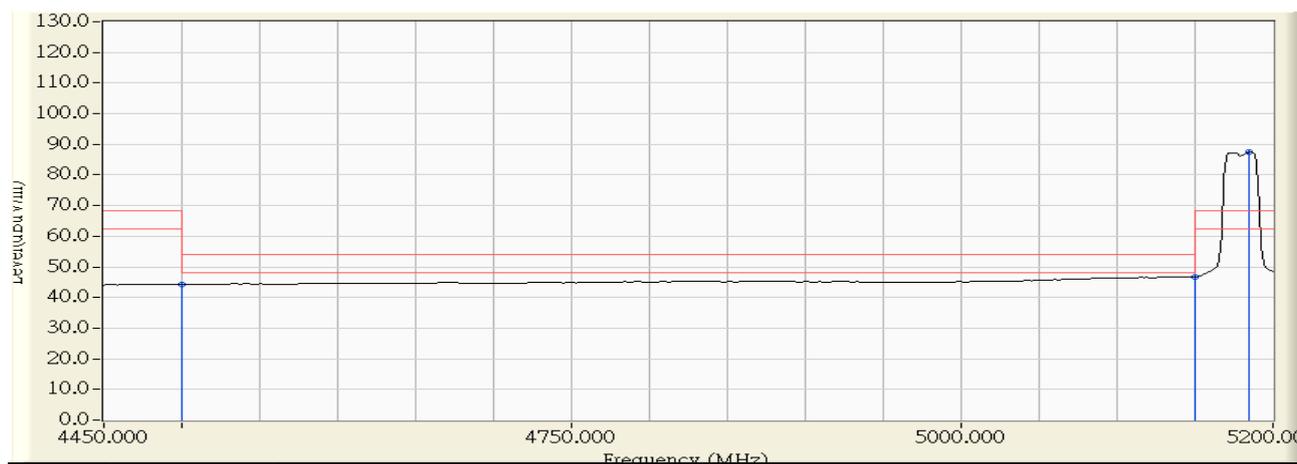


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	58.551	56.899	-17.101	74.000	PEAK
2	5093.500	0.389	60.185	60.574	-13.426	74.000	PEAK
3	5150.000	0.831	58.506	59.337	-14.663	74.000	PEAK
4	* 5186.500	1.116	102.473	103.589	15.289	88.300	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 : 2013/06/10 - 20:06
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n20 5180MHz

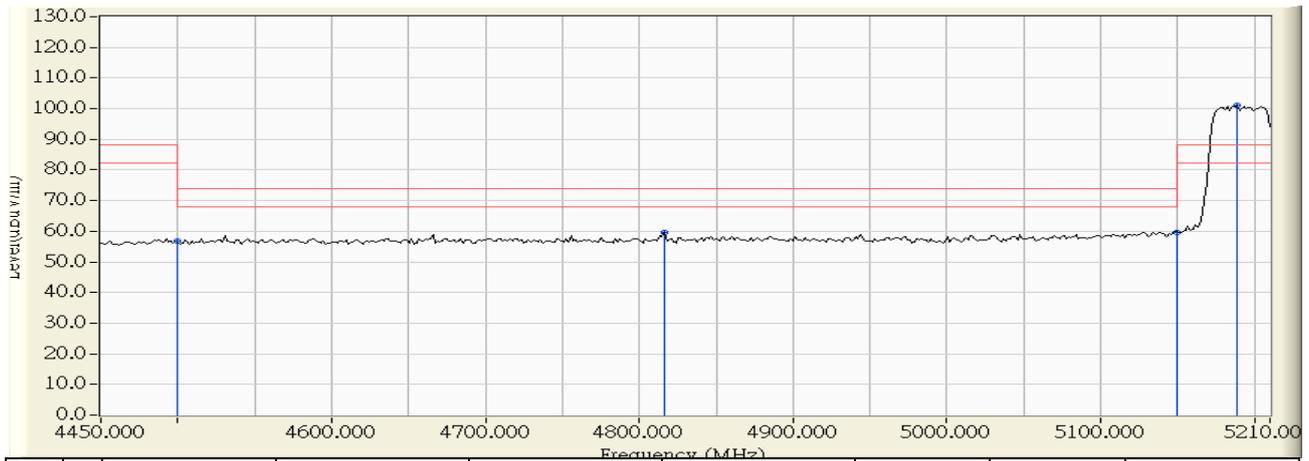


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	46.021	44.369	-9.631	54.000	AVERAGE
2	5150.000	0.831	45.932	46.763	-7.237	54.000	AVERAGE
3	* 5185.000	1.104	86.506	87.610	19.310	68.300	AVERAGE

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 : 2013/06/10 - 20:10
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n40 5190MHz

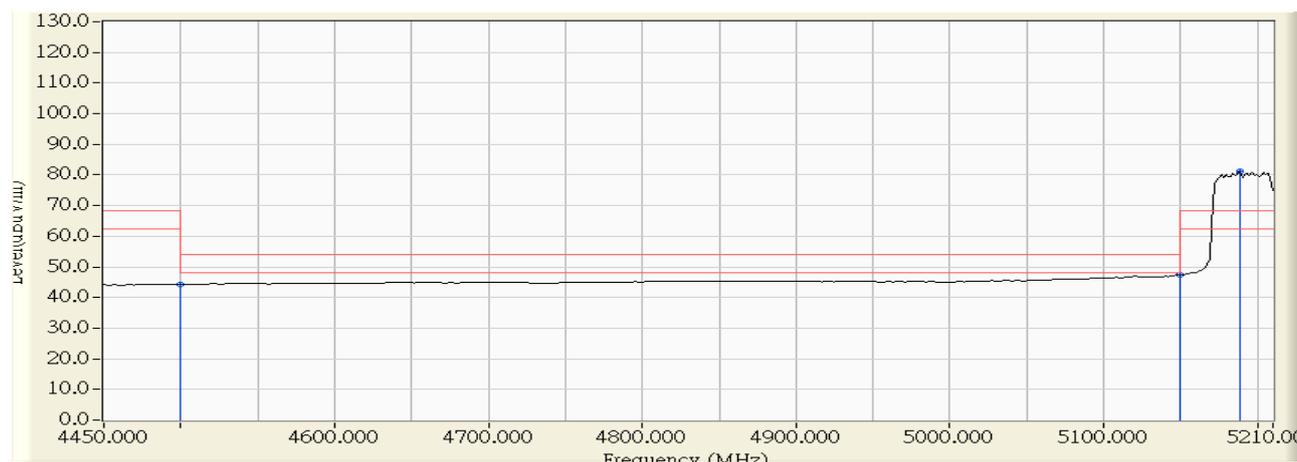


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	58.301	56.649	-17.351	74.000	PEAK
2	4816.320	-0.824	60.383	59.560	-14.440	74.000	PEAK
3	5150.000	0.831	58.809	59.640	-14.360	74.000	PEAK
4	* 5188.720	1.134	99.973	101.106	12.806	88.300	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 : 2013/06/10 - 20:12
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n40 5190MHz

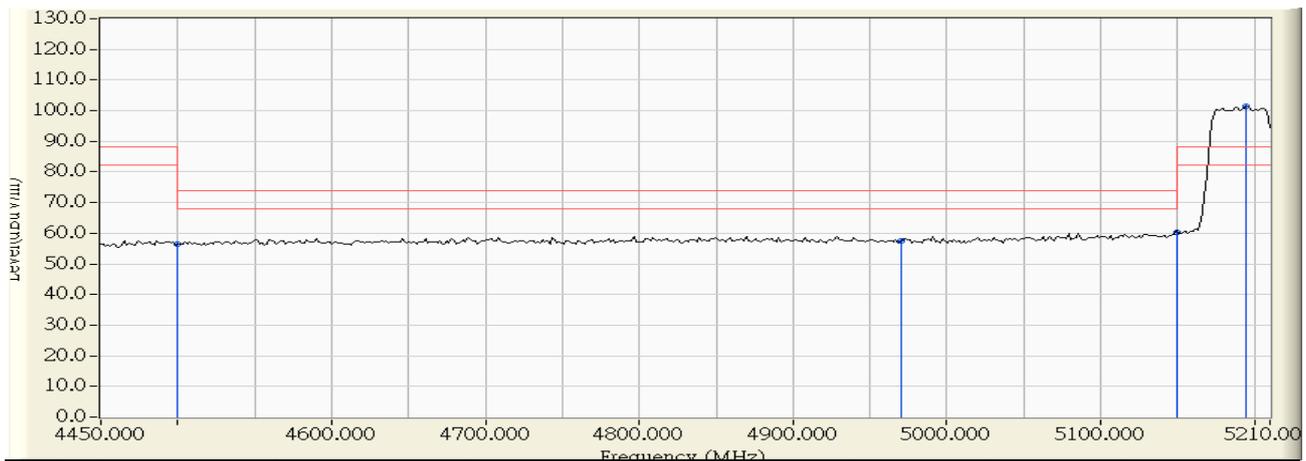


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.948	44.296	-9.704	54.000	AVERAGE
2	5150.000	0.831	46.495	47.326	-6.674	54.000	AVERAGE
3	* 5188.720	1.134	80.023	81.156	12.856	68.300	AVERAGE

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 : 2013/06/10 - 20:15
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n40 5190MHz

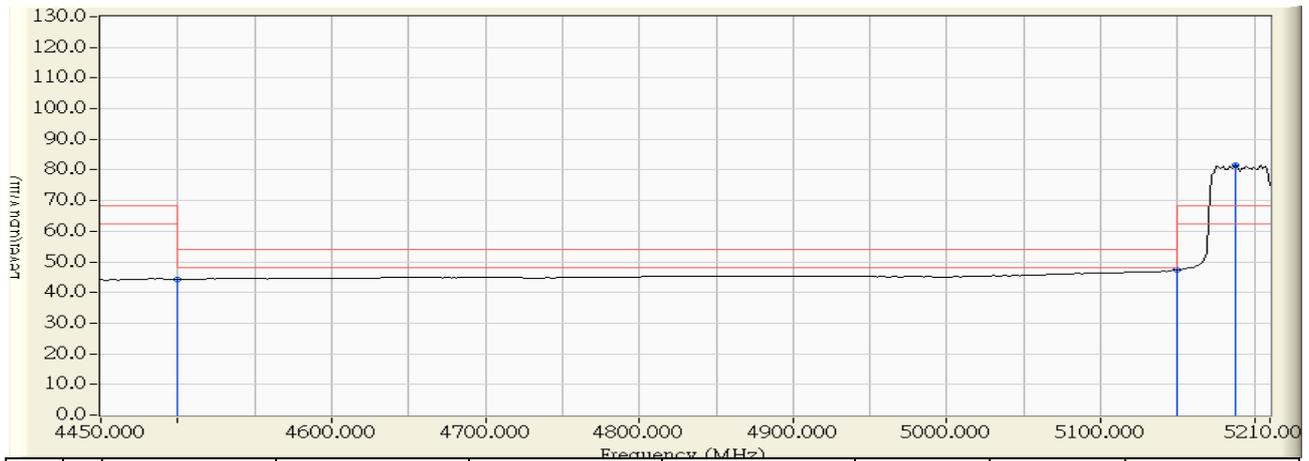


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	58.198	56.546	-17.454	74.000	PEAK
2	4969.840	-0.420	58.099	57.679	-16.321	74.000	PEAK
3	5150.000	0.831	59.546	60.377	-13.623	74.000	PEAK
4	* 5194.800	1.181	100.287	101.468	13.168	88.300	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 : 2013/06/10 - 20:16
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11n40 5190MHz

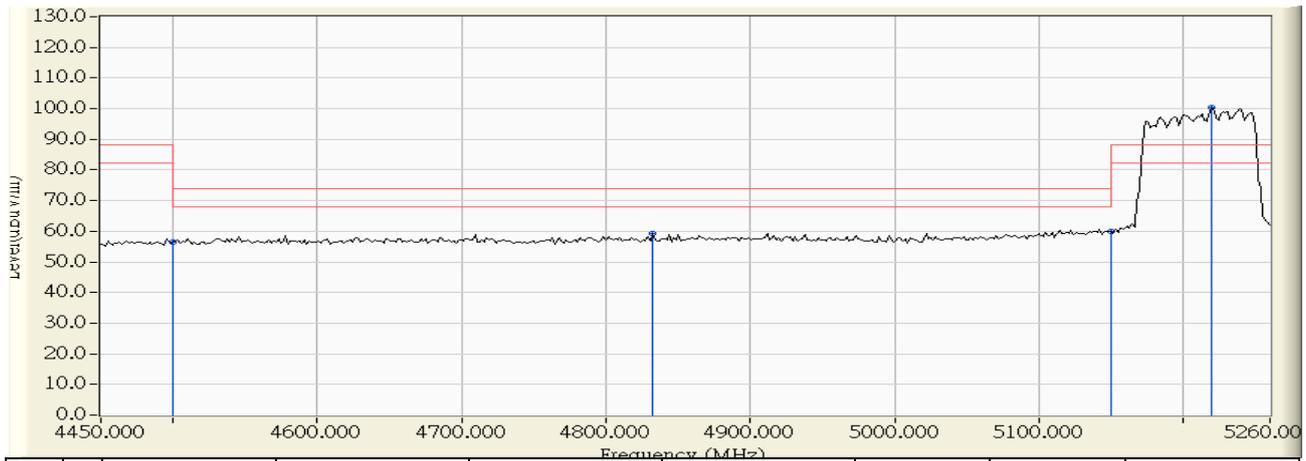


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.936	44.284	-9.716	54.000	AVERAGE
2	5150.000	0.831	46.505	47.336	-6.664	54.000	AVERAGE
3	* 5187.200	1.122	80.582	81.703	13.403	68.300	AVERAGE

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 : 2013/06/10 - 20:20
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11ac80 5210MHz

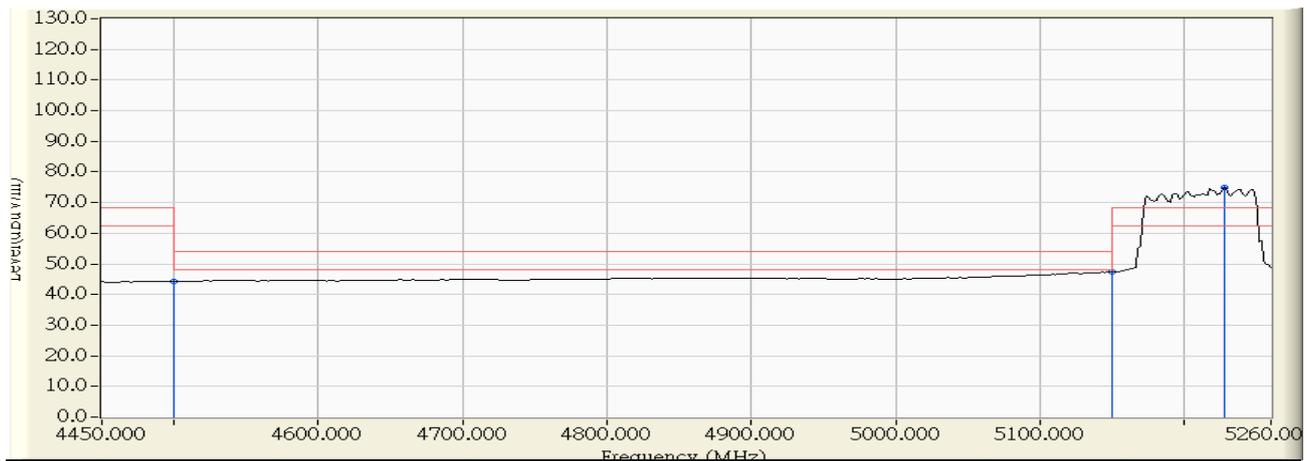


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	58.056	56.404	-17.596	74.000	PEAK
2	4832.320	-0.782	59.898	59.117	-14.883	74.000	PEAK
3	5150.000	0.831	59.057	59.888	-14.112	74.000	PEAK
4	* 5219.500	1.373	98.949	100.323	12.023	88.300	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 : 2013/06/10 - 20:22
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11ac80 5210MHz

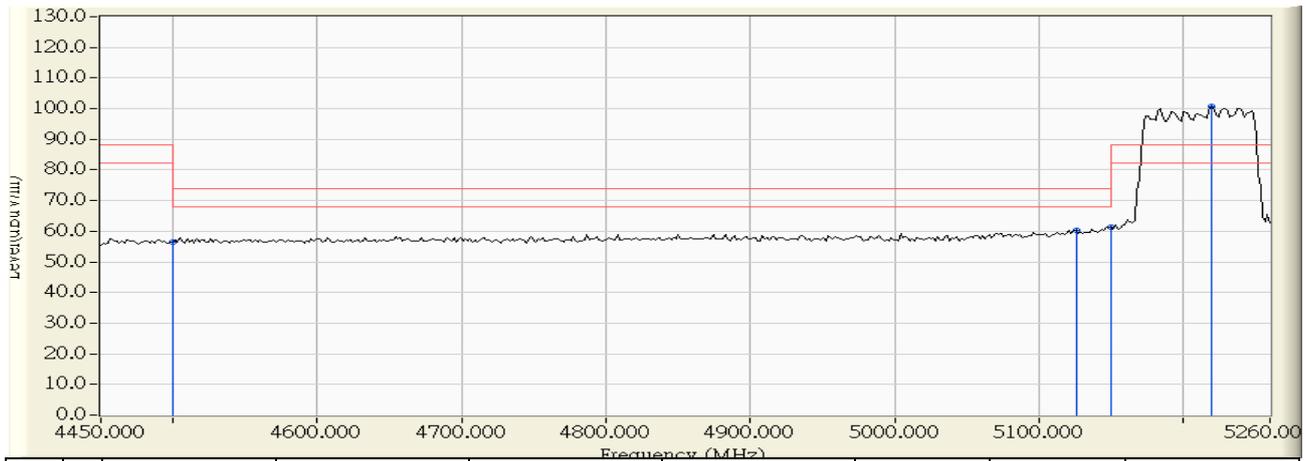


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.905	44.253	-9.747	54.000	AVERAGE
2	5150.000	0.831	46.538	47.369	-6.631	54.000	AVERAGE
3	* 5227.600	1.436	73.349	74.786	6.486	68.300	AVERAGE

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 : 2013/06/10 - 20:26
Limit : FCC_SpartE_15.407_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11ac80 5210MHz

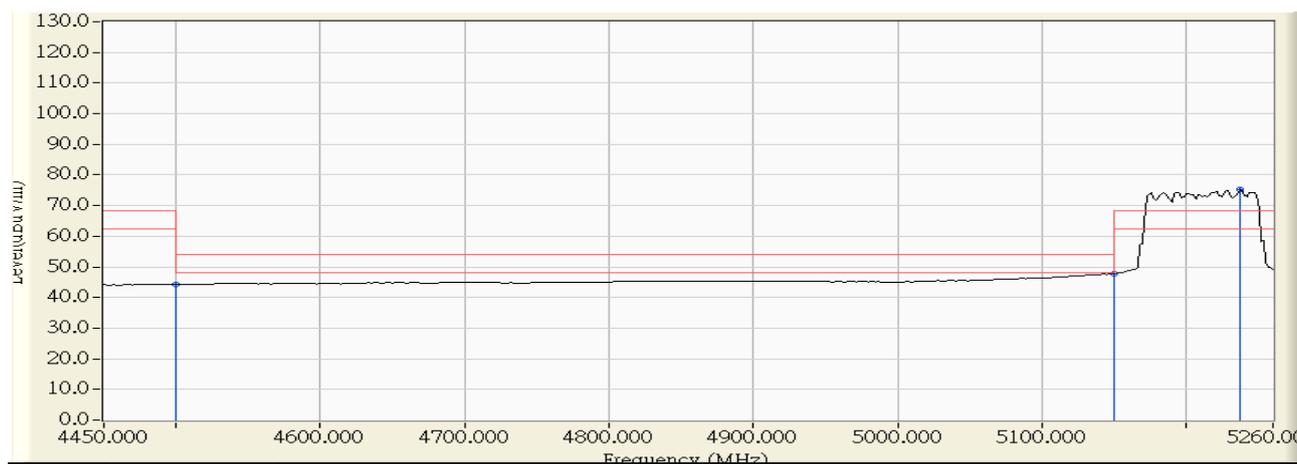


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	58.161	56.509	-17.491	74.000	PEAK
2	5125.540	0.640	59.797	60.437	-13.563	74.000	PEAK
3	5150.000	0.831	60.489	61.320	-12.680	74.000	PEAK
4	* 5219.500	1.373	99.397	100.771	12.471	88.300	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 : 2013/06/10 - 20:27
Limit : FCC_SpartE_15.407_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC5V(Power by PC)
EUT : USB-AC56 dual-bank wireless adapter	Note : Mode 2: Transmit (PIFA Antenna)_802.11ac80 5210MHz



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4500.000	-1.652	45.922	44.270	-9.730	54.000	AVERAGE
2	5150.000	0.831	46.981	47.812	-6.188	54.000	AVERAGE
3	* 5237.320	1.513	73.803	75.316	7.016	68.300	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

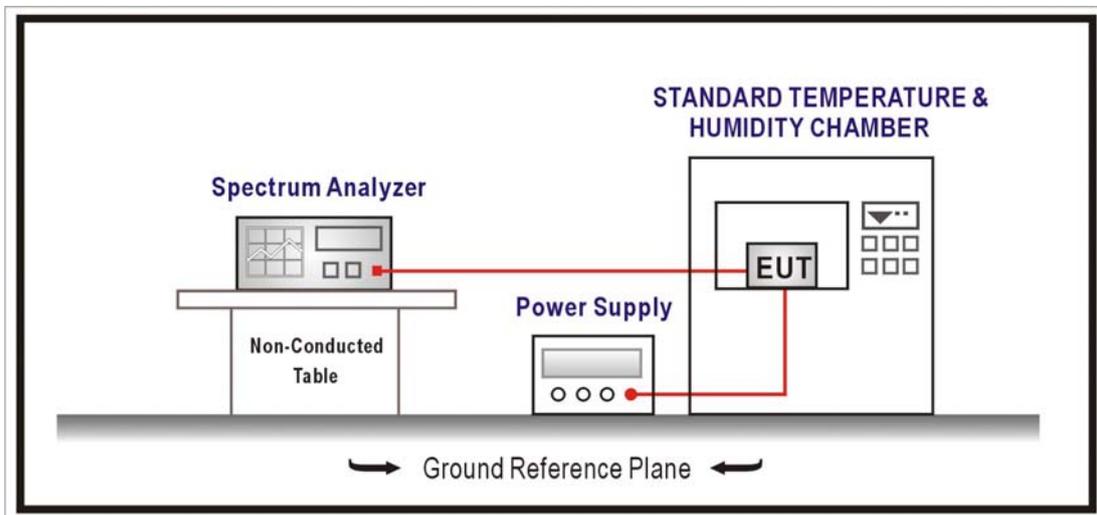
The following test equipments are used during the radiated emission tests:

Frequency Stability / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2013/07/31
Standard Temperature & Humidity Chamber	WIT	TH-1S-B	1082101	2014/01/27

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 U-NII test procedure of March 2012 KDB 789033 for compliance to FCC 47CFR Subpart E requirements.

9.5. Uncertainty

The measurement uncertainty is defined as ± 150 Hz

9.6. Test Result

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Dipole Antenna) - 802.11a - 5180MHz		
Date of Test	2013/06/18	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.1504	29.0281	PASS
-10		5180.7118	137.4120	PASS
0		5180.1984	38.3026	PASS
10		5180.6910	133.4020	PASS
20		5180.0324	6.2525	PASS
30		5180.1541	29.7540	PASS
40		5180.3796	73.2903	PASS
50		5180.1369	26.4198	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.5193	100.2596	PASS
	120	5180.0865	16.6931	PASS
	138	5180.5129	99.0090	PASS

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Dipole Antenna) - 802.11a - 5240MHz		
Date of Test	2013/06/18	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.0318	6.0616	PASS
-10		5240.4231	80.7432	PASS
0		5240.2488	47.4799	PASS
10		5240.7208	137.5499	PASS
20		5240.5700	108.7866	PASS
30		5240.0590	11.2639	PASS
40		5240.8695	165.9273	PASS
50		5240.5378	102.6292	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.3725	71.0882	PASS
	120	5240.7138	136.2247	PASS
	138	5240.6533	124.6768	PASS

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Dipole Antenna) - 802.11n_20M - 5180MHz(ANT 0)		
Date of Test	2013/06/18	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.5510	106.3682	PASS
-10		5180.6951	134.1889	PASS
0		5180.6854	132.3209	PASS
10		5180.3497	67.5116	PASS
20		5180.1038	20.0291	PASS
30		5180.6558	126.6027	PASS
40		5180.7778	150.1480	PASS
50		5180.8258	159.4243	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.2671	51.5542	PASS
	120	5180.1954	37.7135	PASS
	138	5180.0680	13.1196	PASS

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Dipole Antenna) - 802.11n_20M - 5240MHz(ANT 0)		
Date of Test	2013/06/18	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.6357	121.3077	PASS
-10		5240.2506	47.8253	PASS
0		5240.6210	118.5026	PASS
10		5240.2916	55.6582	PASS
20		5240.3287	62.7217	PASS
30		5240.4224	80.6178	PASS
40		5240.3353	63.9859	PASS
50		5240.6464	123.3555	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.2971	56.7000	PASS
	120	5240.8796	167.8699	PASS
	138	5240.7220	137.7846	PASS

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Dipole Antenna) - 802.11n_20M - 5180MHz(ANT 1)		
Date of Test	2013/06/18	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.1701	32.8283	PASS
-10		5180.7585	146.4255	PASS
0		5180.8649	166.9662	PASS
10		5180.0232	4.4801	PASS
20		5180.4076	78.6883	PASS
30		5180.6677	128.8975	PASS
40		5180.3202	61.8172	PASS
50		5180.6039	116.5769	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.7235	139.6801	PASS
	120	5180.6077	117.3101	PASS
	138	5180.2587	49.9444	PASS

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Dipole Antenna) - 802.11n_20M - 5240MHz(ANT 1)		
Date of Test	2013/06/18	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.4881	93.1476	PASS
-10		5240.4661	88.9444	PASS
0		5240.1245	23.7510	PASS
10		5240.7012	133.8254	PASS
20		5240.5072	96.7849	PASS
30		5240.1666	31.7899	PASS
40		5240.4053	77.3504	PASS
50		5240.6809	129.9358	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.6028	115.0442	PASS
	120	5240.1794	34.2408	PASS
	138	5240.3025	57.7329	PASS

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Dipole Antenna) - 802.11n_40M - 5190MHz(ANT 0)		
Date of Test	2013/06/18	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.3570	68.7838	PASS
-10		5190.0520	10.0237	PASS
0		5190.2645	50.9617	PASS
10		5190.3181	61.2866	PASS
20		5190.3373	64.9985	PASS
30		5190.8610	165.9040	PASS
40		5190.1002	19.3150	PASS
50		5190.8508	163.9342	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.3978	76.6381	PASS
	120	5190.0938	18.0673	PASS
	138	5190.3440	66.2860	PASS

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Dipole Antenna) - 802.11n_40M - 5230MHz(ANT 0)		
Date of Test	2013/06/18	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.6672	127.5660	PASS
-10		5230.8093	154.7360	PASS
0		5230.3606	68.9417	PASS
10		5230.1274	24.3618	PASS
20		5230.3259	62.3177	PASS
30		5230.0814	15.5621	PASS
40		5230.0963	18.4062	PASS
50		5230.4774	91.2828	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.5089	97.3081	PASS
	120	5230.3977	76.0471	PASS
	138	5230.2519	48.1577	PASS

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Dipole Antenna) - 802.11n_40M - 5190MHz(ANT 1)		
Date of Test	2013/06/18	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.6121	117.9410	PASS
-10		5190.2410	46.4420	PASS
0		5190.0210	4.0459	PASS
10		5190.7829	150.8440	PASS
20		5190.3080	59.3498	PASS
30		5190.0457	8.8003	PASS
40		5190.5943	114.5148	PASS
50		5190.7172	138.1846	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.2016	38.8438	PASS
	120	5190.7111	137.0106	PASS
	138	5190.8343	160.7489	PASS

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Dipole Antenna) - 802.11n_40M - 5230MHz(ANT 1)		
Date of Test	2013/06/18	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.6611	126.4033	PASS
-10		5230.3855	73.7110	PASS
0		5230.3153	60.2858	PASS
10		5230.1571	30.0298	PASS
20		5230.4094	78.2797	PASS
30		5230.5483	104.8470	PASS
40		5230.6242	119.3496	PASS
50		5230.1943	37.1588	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.0996	19.0398	PASS
	120	5230.6548	125.2085	PASS
	138	5230.1195	22.8428	PASS

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Dipole Antenna) - 802.11ac_80M - 5210MHz(ANT 0)		
Date of Test	2013/06/18	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.3236	62.1137	PASS
-10		5210.6739	129.3544	PASS
0		5210.3220	61.8022	PASS
10		5210.7484	143.6438	PASS
20		5210.6706	128.7180	PASS
30		5210.1576	30.2462	PASS
40		5210.7104	136.3495	PASS
50		5210.0396	7.5928	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5210.4401	84.4665	PASS
	120	5210.7934	152.2857	PASS
	138	5210.0564	10.8223	PASS

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (Dipole Antenna) - 802.11ac_80M - 5210MHz(ANT 1)		
Date of Test	2013/06/18	Test Site	SR7

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.2049	39.3348	PASS
-10		5210.4697	90.1613	PASS
0		5210.1097	21.0553	PASS
10		5210.2377	45.6239	PASS
20		5210.0449	8.6130	PASS
30		5210.7963	152.8376	PASS
40		5210.3957	75.9568	PASS
50		5210.5006	96.0918	PASS

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5210.2589	49.6901	PASS
	120	5210.2607	50.0464	PASS
	138	5210.4332	83.1461	PASS