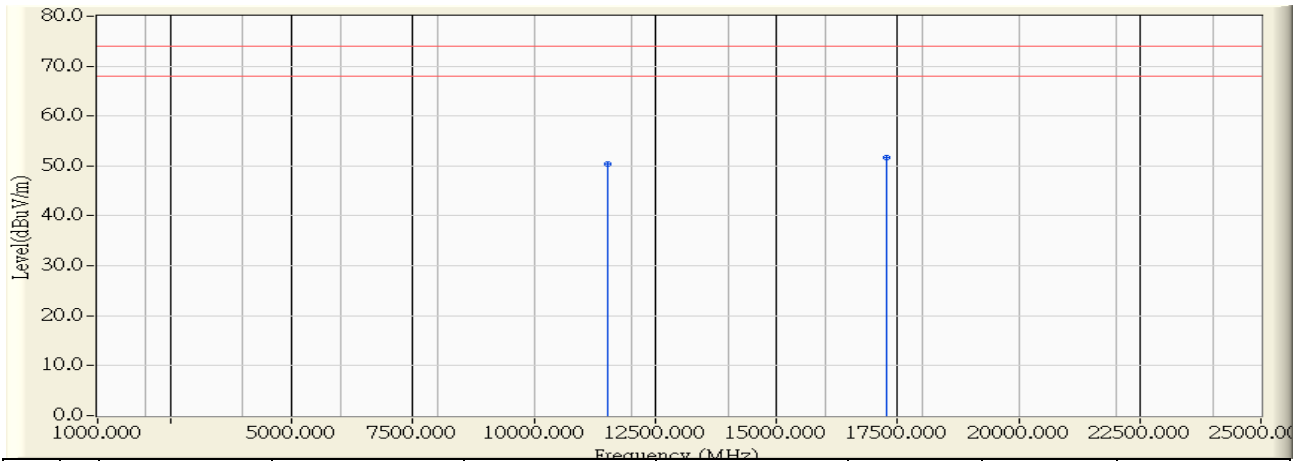


Site : CB1	Time : 2013/09/30 - 17:33
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11ac80MHz_ 5775MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11510.000	11.523	38.860	50.383	-23.617	74.000	PEAK
2	*	17265.000	15.560	36.130	51.690	-22.310	74.000	PEAK

Note:

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

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

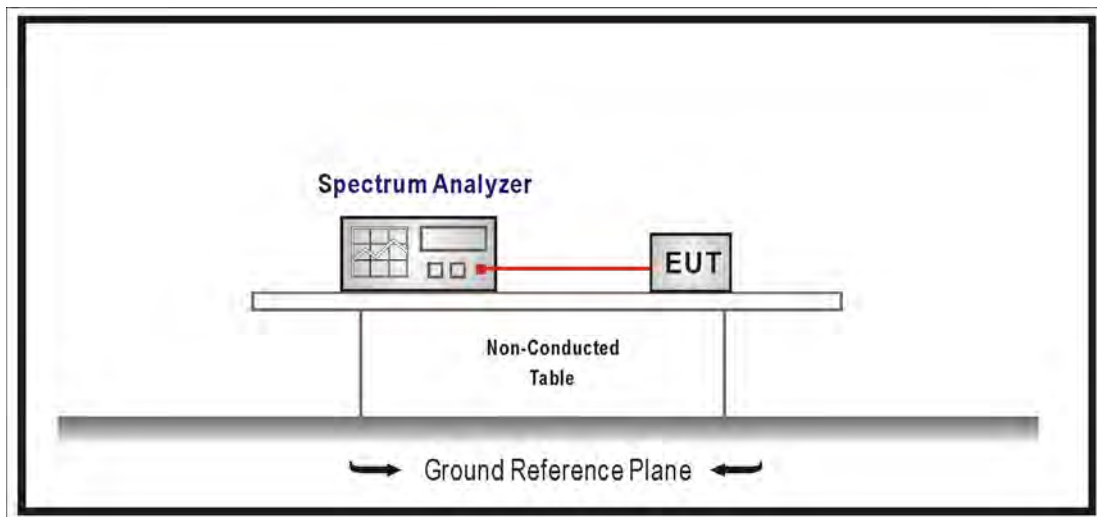
RF antenna conducted test / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2014/08/05

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

5.2. Test Setup

RF Antenna Conducted Measurement:



5.3. Limits

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

5.4. Test Procedure

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

5.5. Test Specification

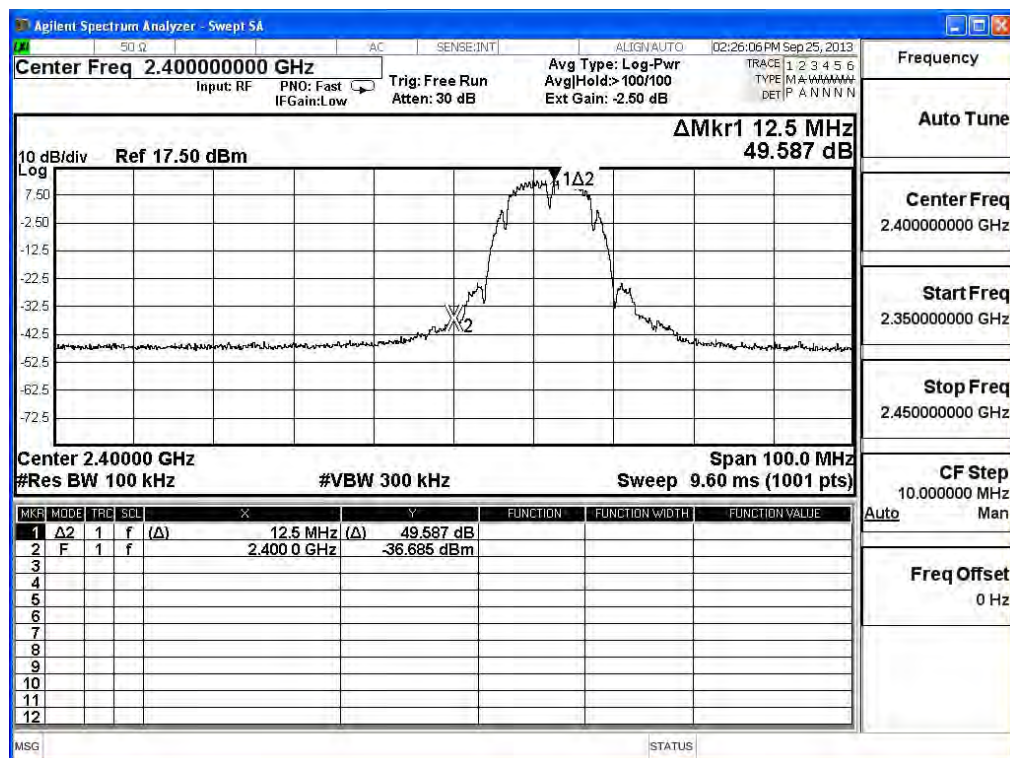
According to FCC Part 15 Subpart C Paragraph 15.247: 2012

5.6. Uncertainty

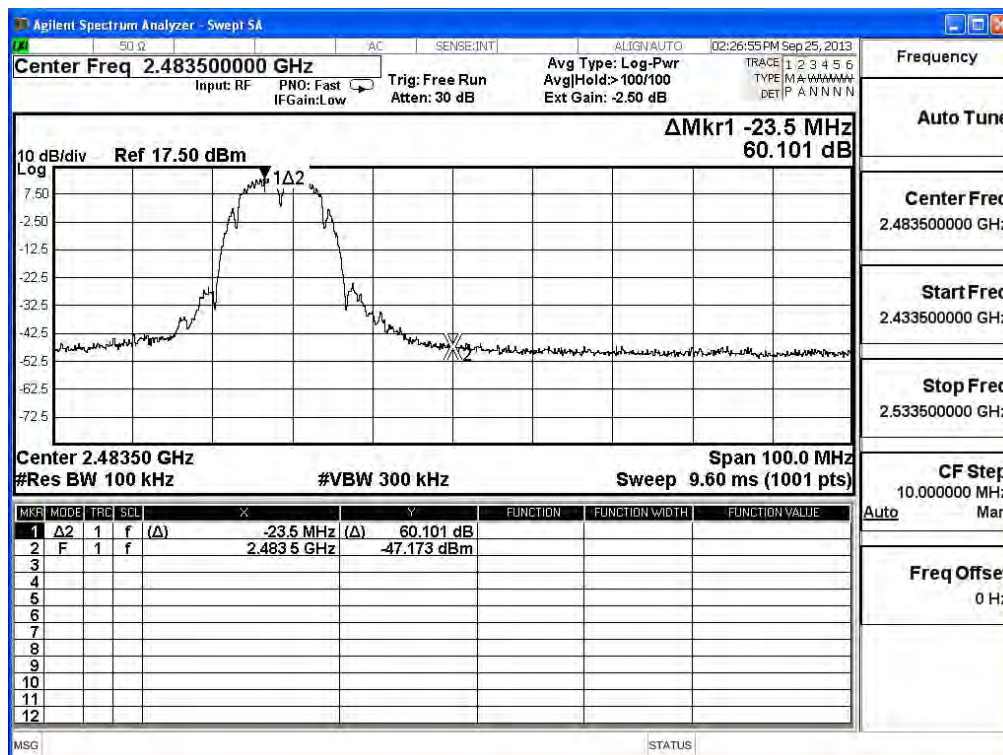
Conducted is defined as $\pm 1.27\text{dB}$

Product	802.11ac Dual Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	49.587	≥ 20	Pass
11	2462	60.101	≥ 20	Pass



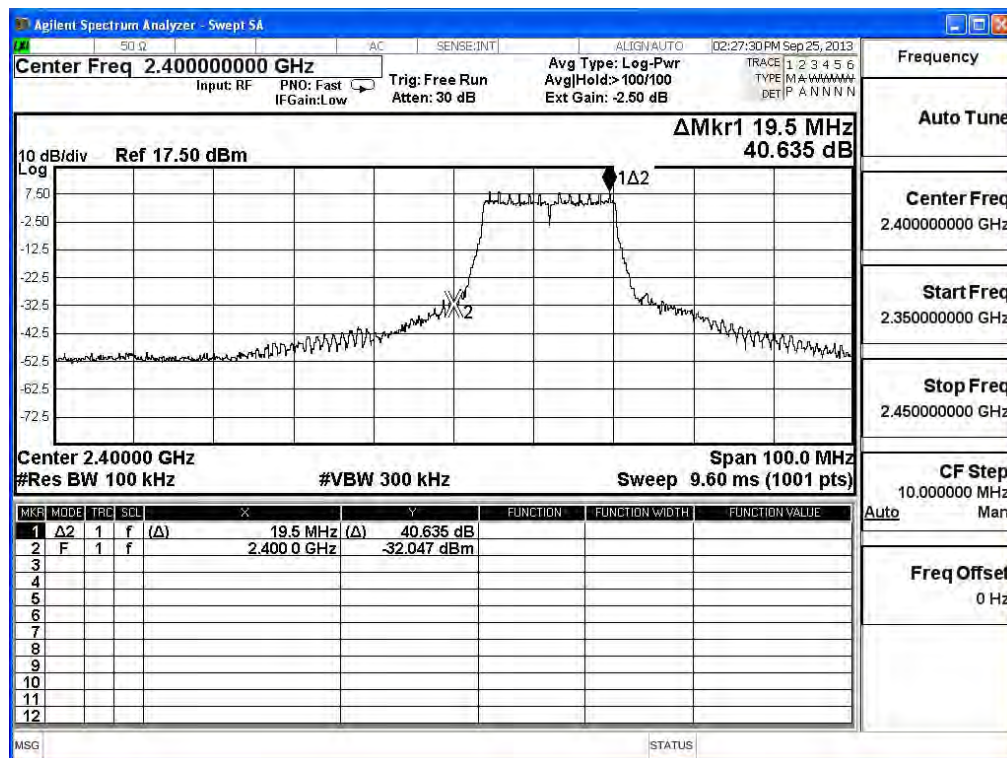
Channel 11 (2462MHz)



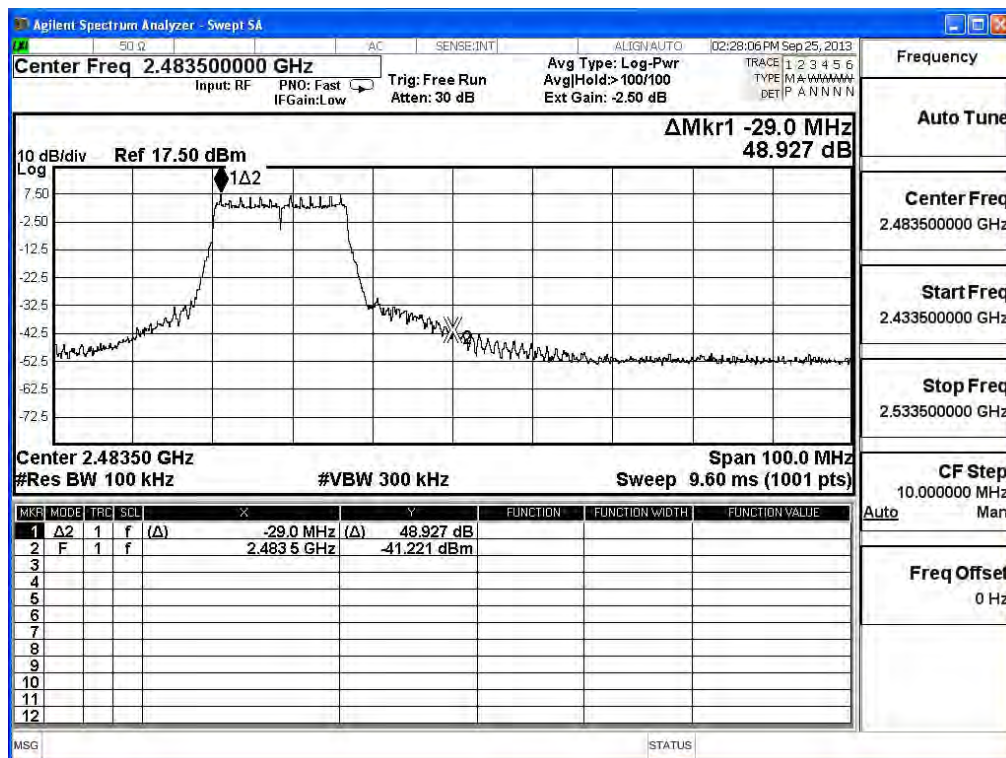
Product	802.11ac Dual Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

IEEE 802.11g, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	40.635	≥ 20	Pass
11	2462	48.927	≥ 20	Pass

Channel 01 (2412MHz)



Channel 11 (2462MHz)

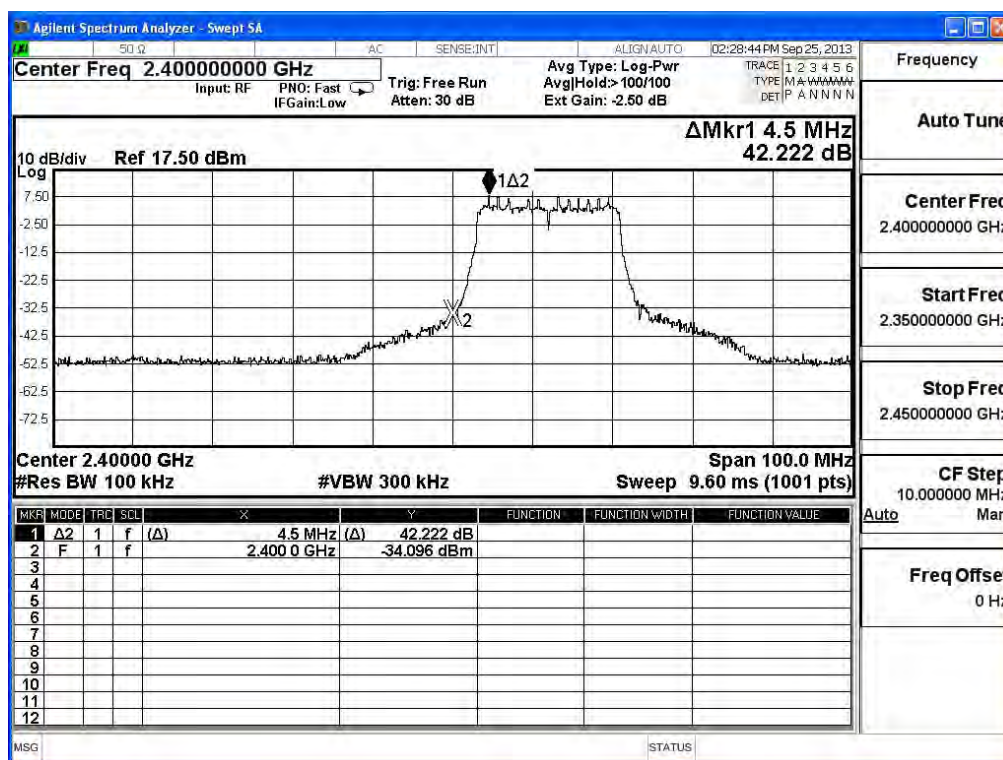


Product	802.11ac Dual Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

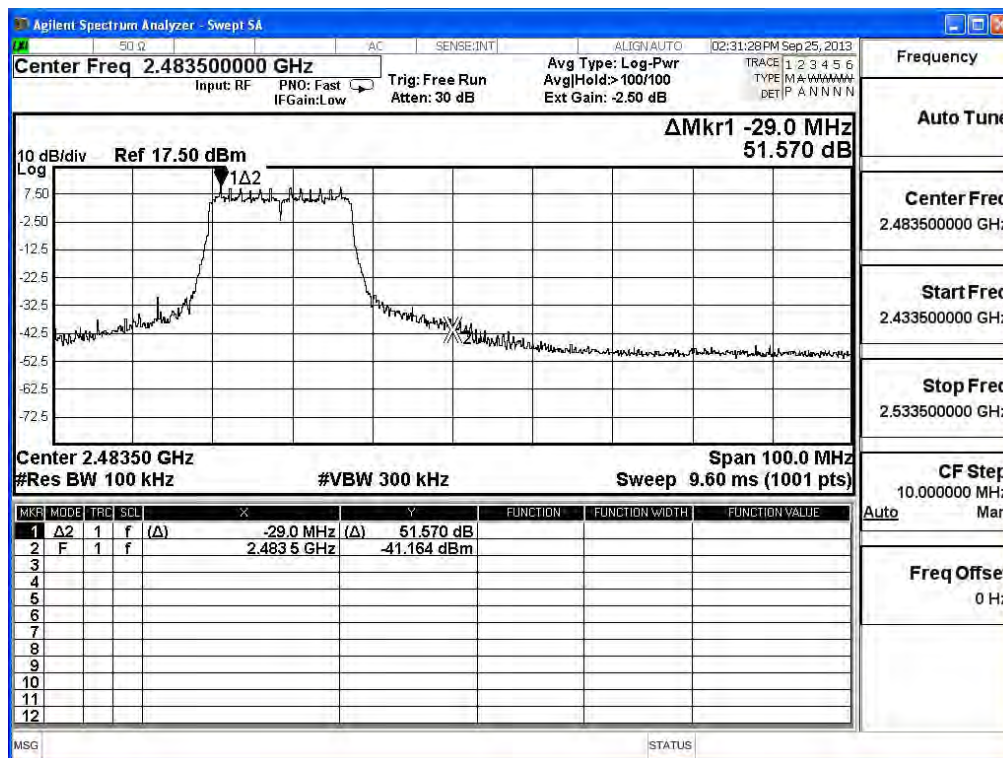
IEEE 802.11n (20MHz), (ANT 0) Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	42.222	≥ 20	Pass
11	2462	51.570	≥ 20	Pass

Channel 1 (2412MHz)



Channel 11 (2462MHz)

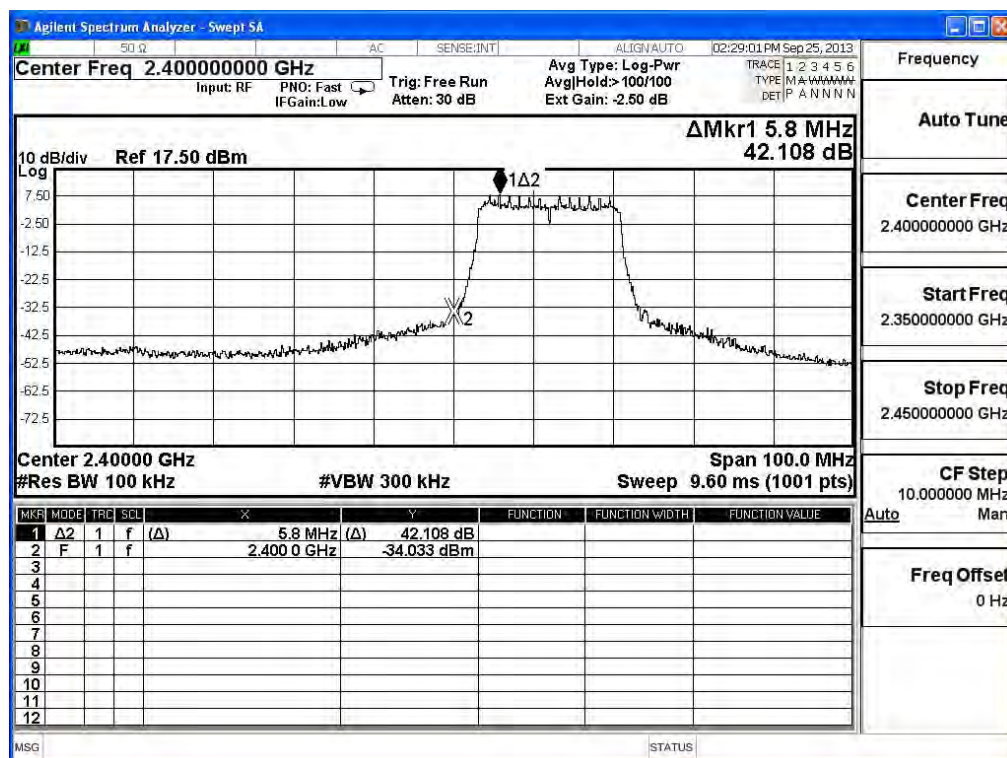


Product	802.11ac Dual Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

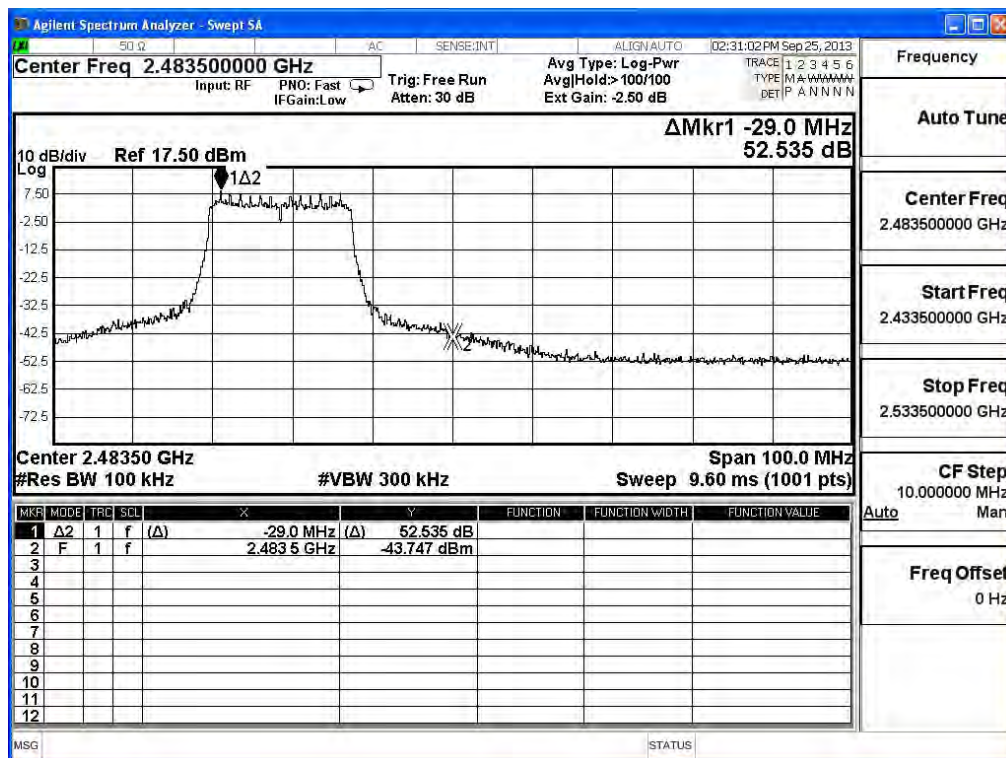
IEEE 802.11n (20MHz), (ANT 1) Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	42.108	≥ 20	Pass
11	2462	52.535	≥ 20	Pass

Channel 1 (2412MHz)



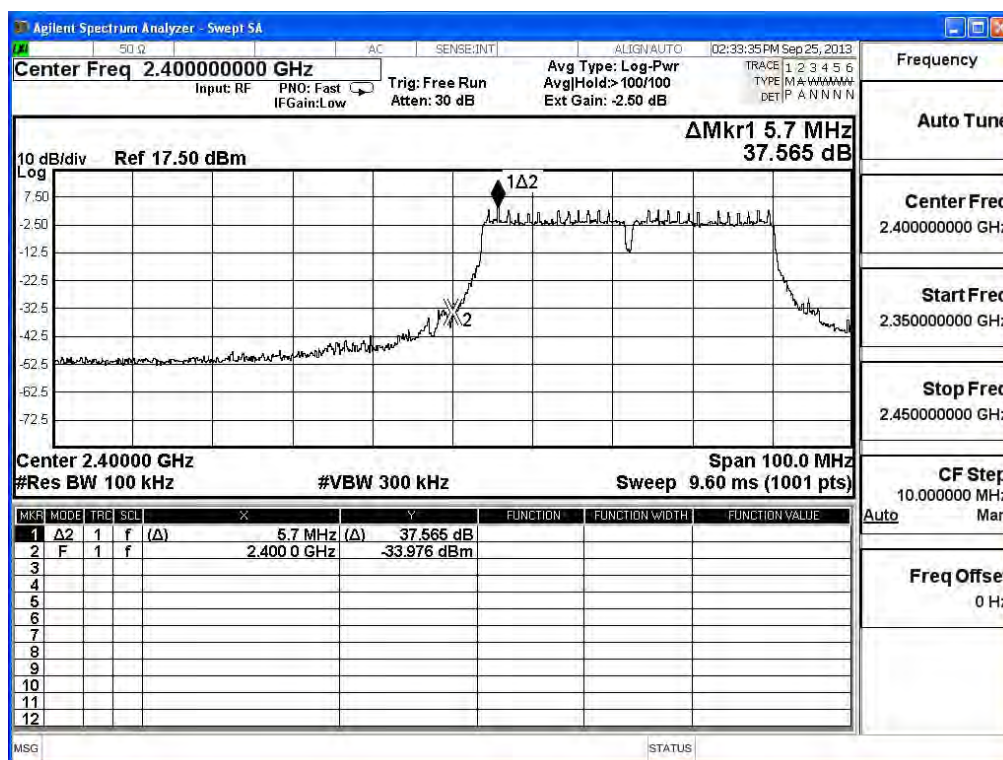
Channel 11 (2462MHz)



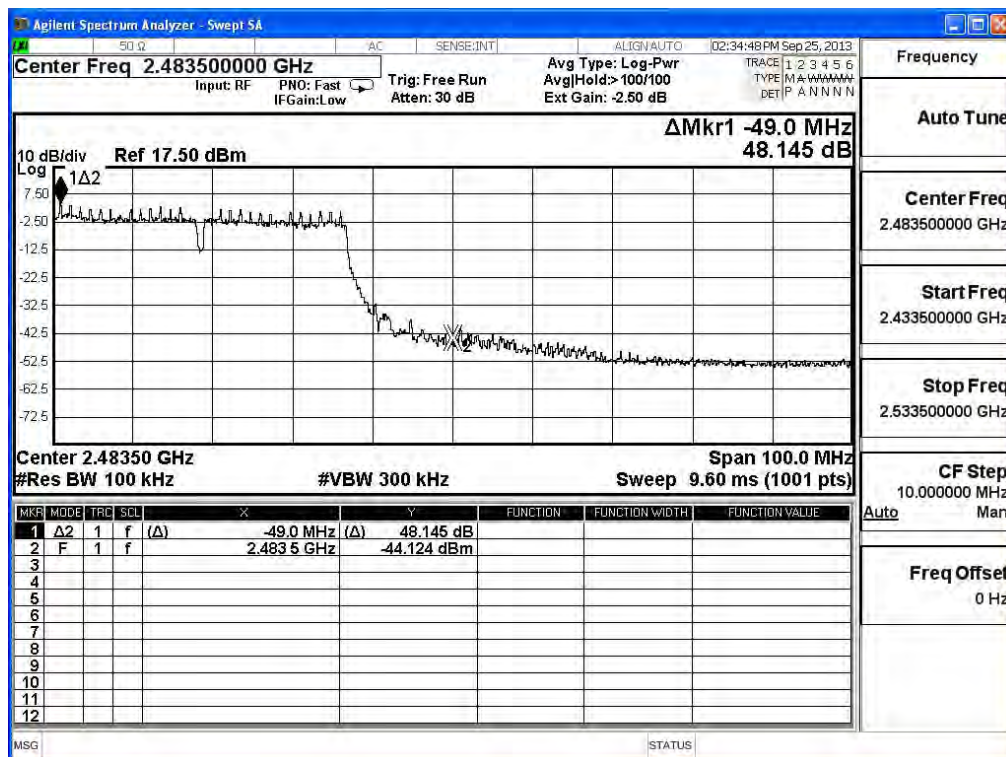
Product	802.11ac Dual Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	37.565	≥ 20	Pass
9	2452	48.145	≥ 20	Pass

Channel 3 (2422MHz)



Channel 9 (2452MHz)

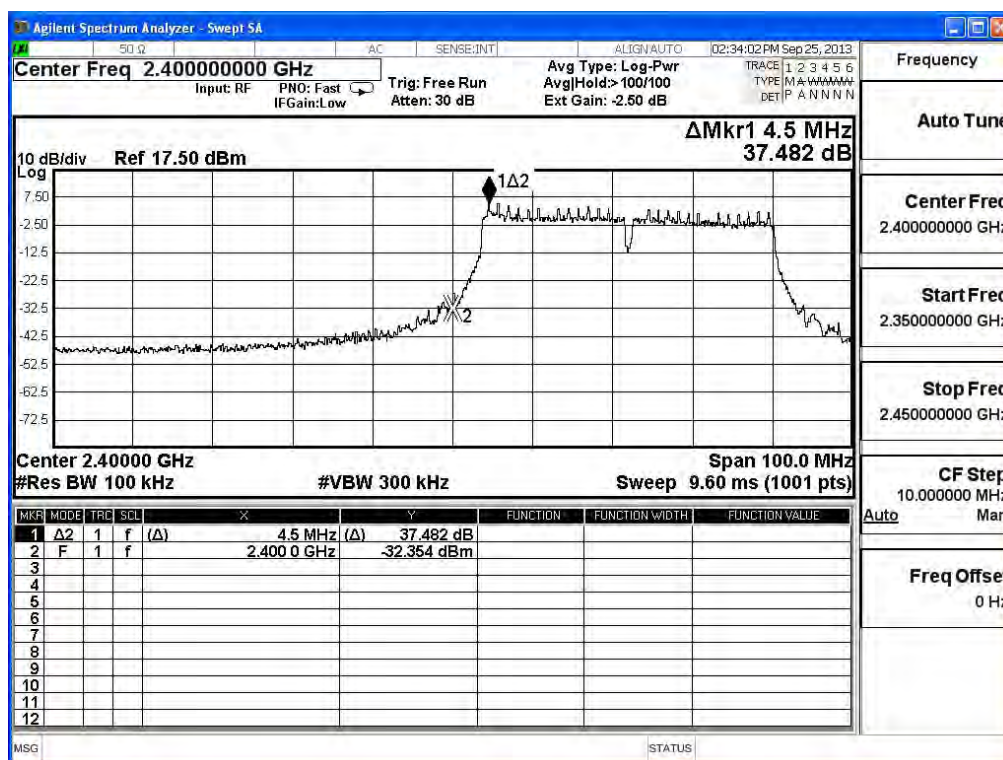


Product	802.11ac Dual Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

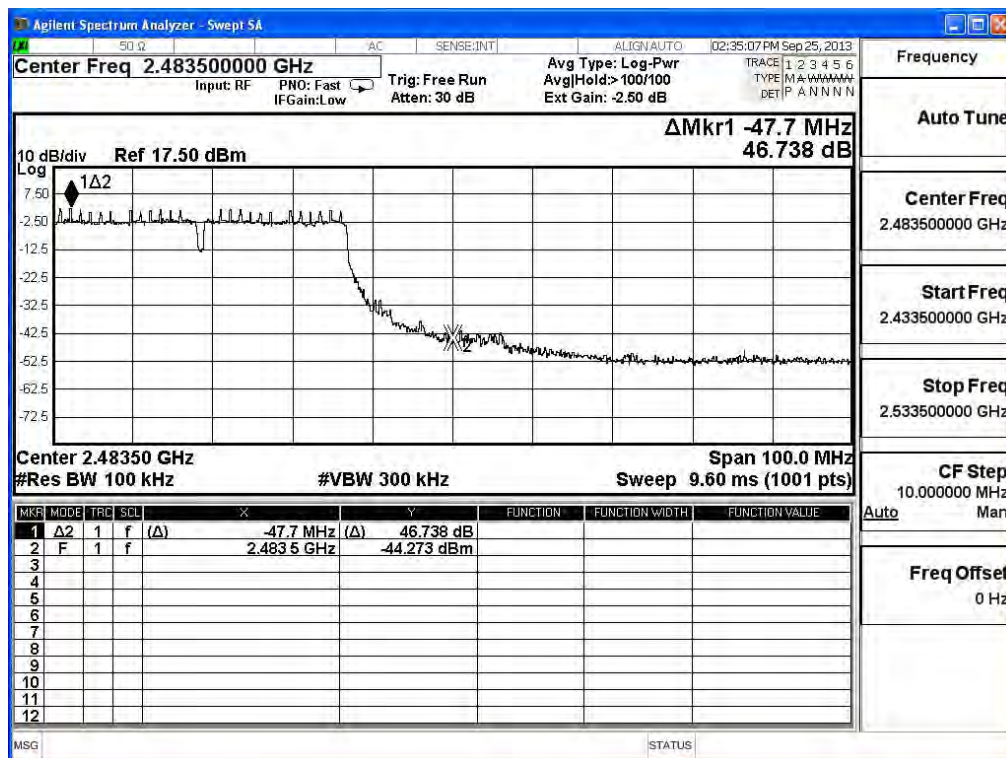
IEEE 802.11n (40MHz), (ANT 1) Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	37.482	≥ 20	Pass
9	2452	46.738	≥ 20	Pass

Channel 3 (2422MHz)

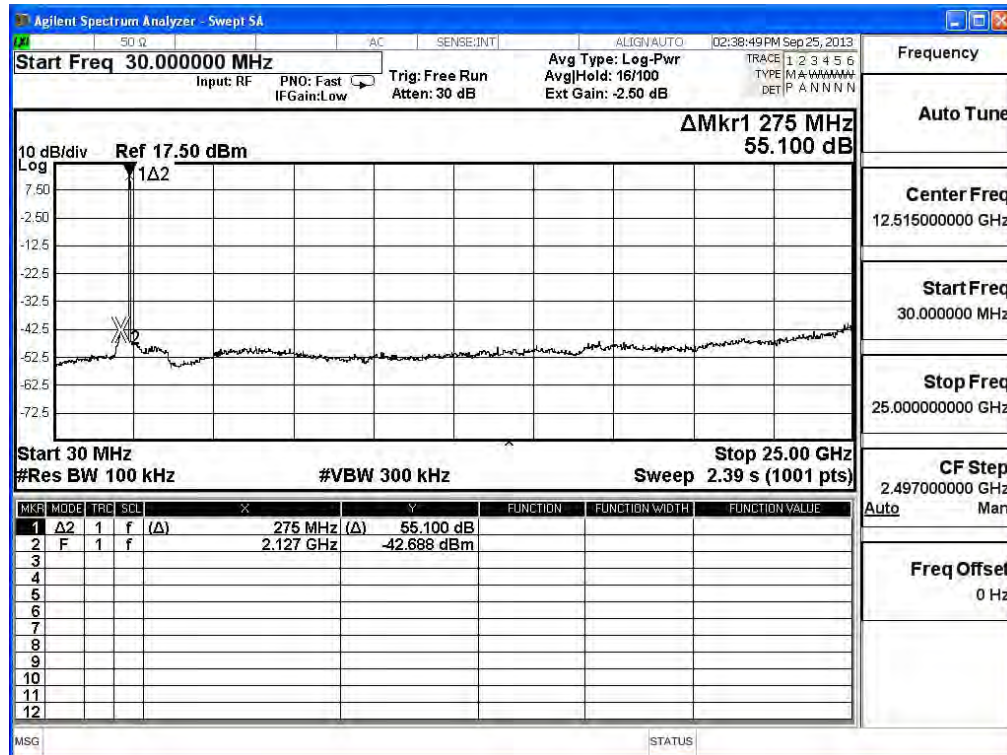


Channel 9 (2452MHz)

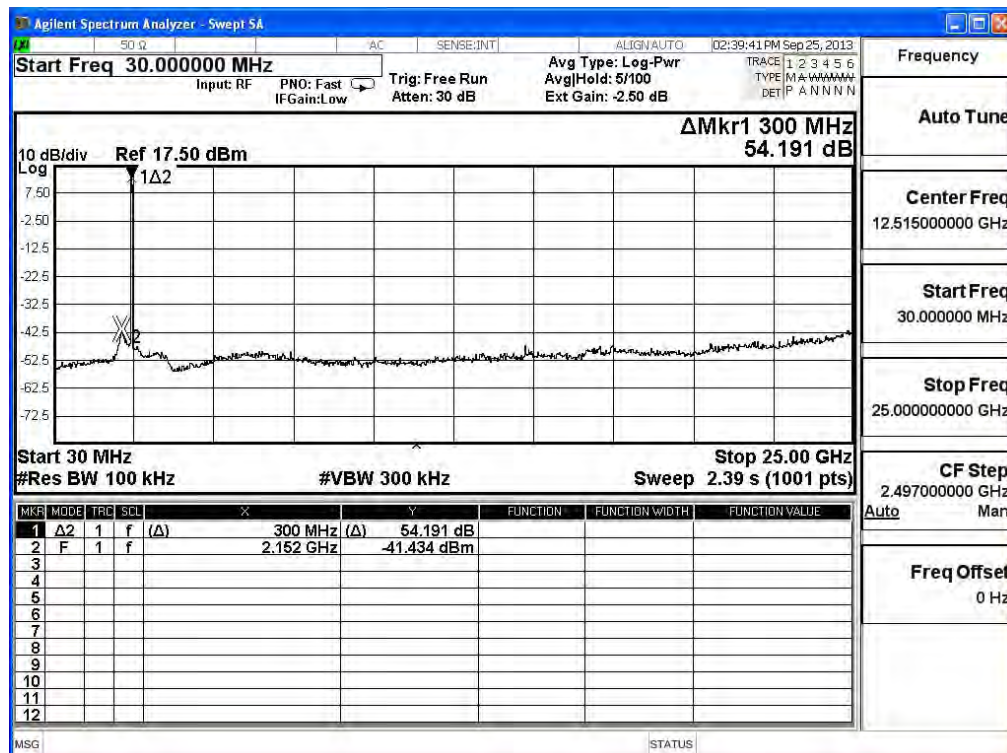


Product	802.11ac Dual Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

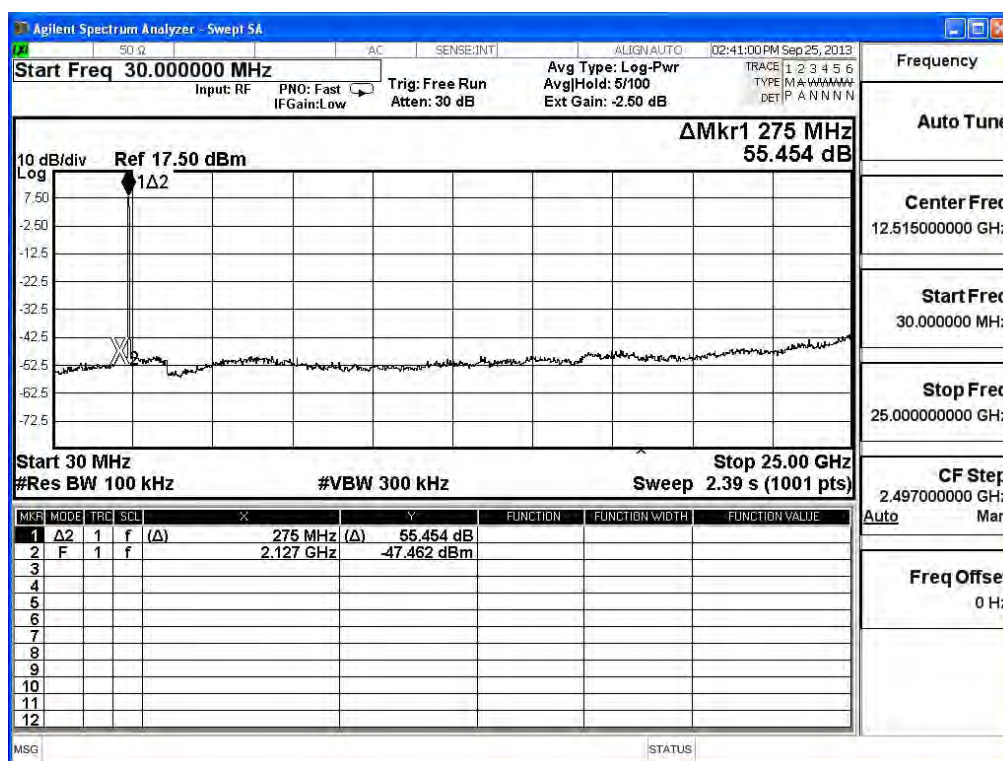
2412MHz (30MHz-25GHz)-802.11b



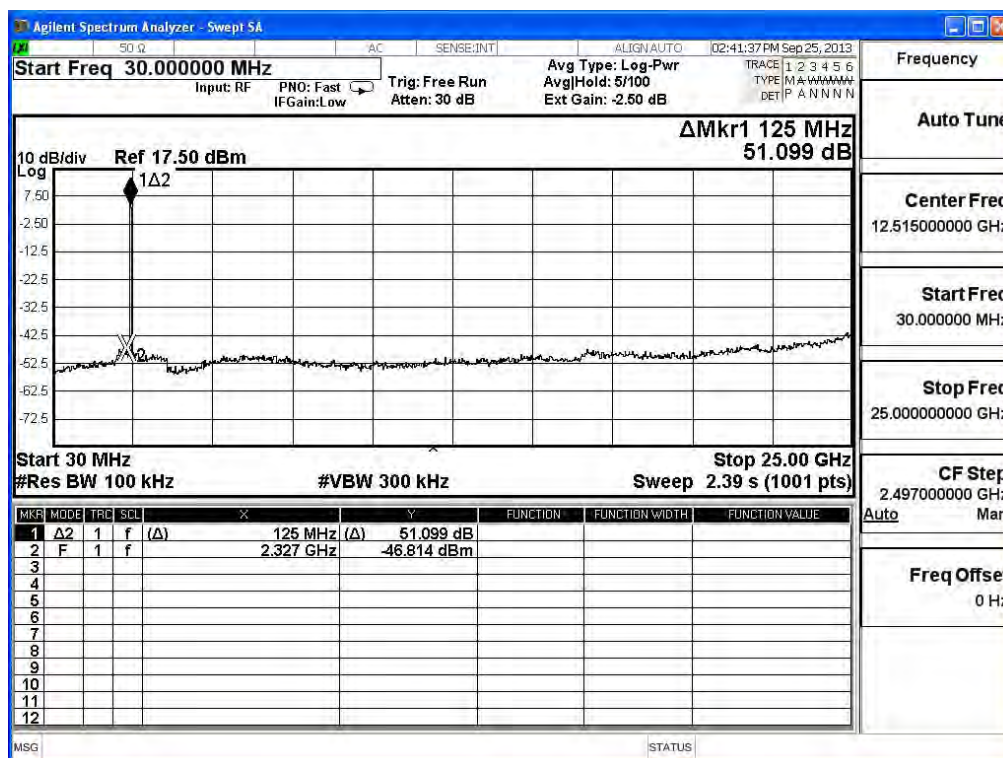
2462MHz (30MHz-25GHz) -802.11b



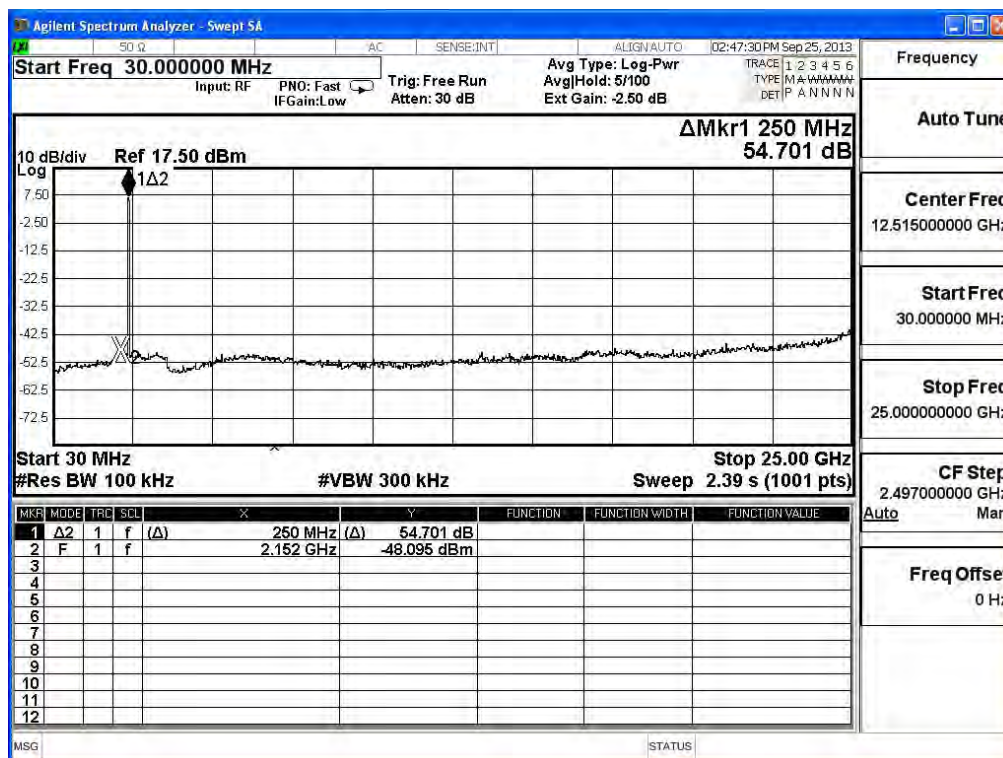
2412MHz (30MHz-25GHz)-802.11g



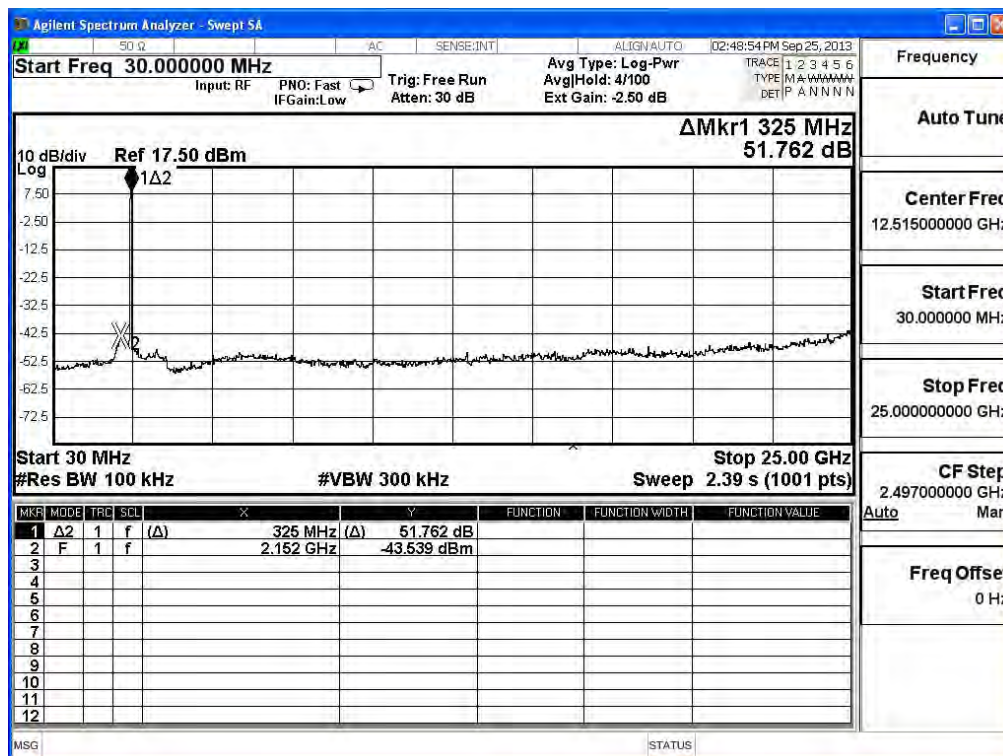
2462MHz (30MHz-25GHz) -802.11g



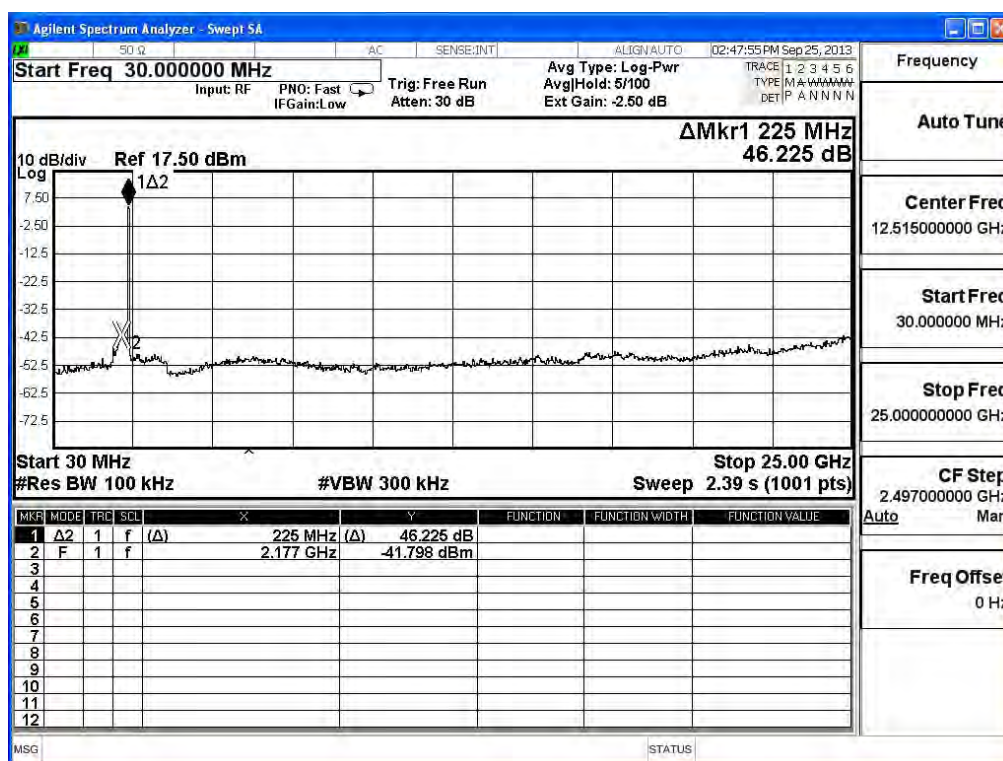
2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0



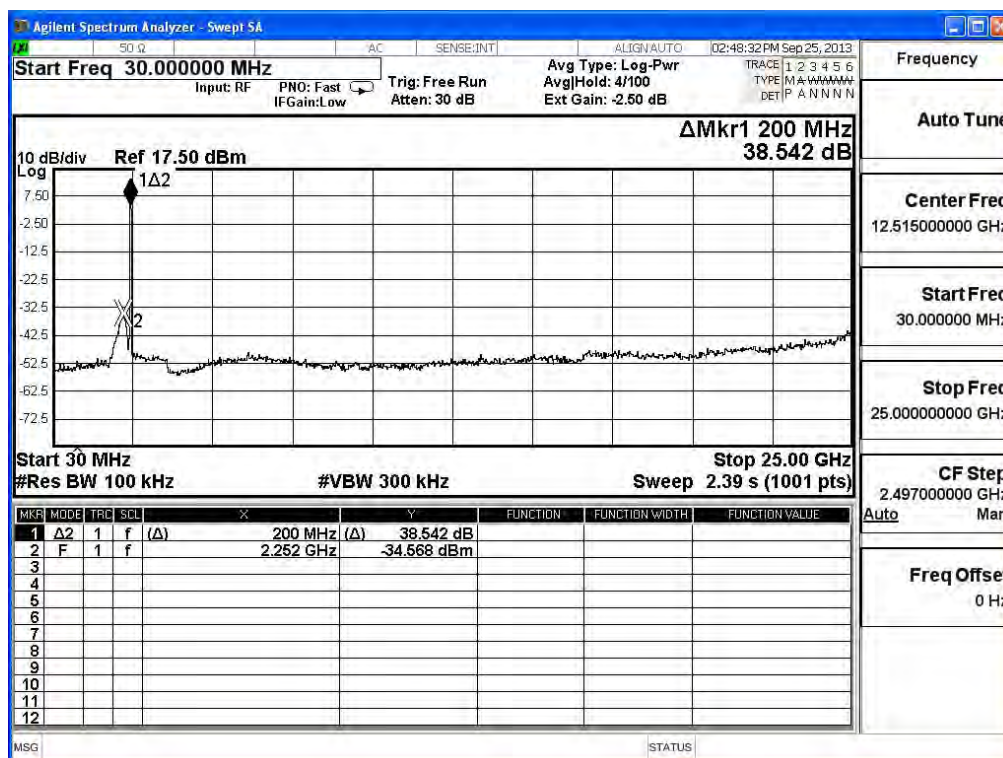
2462MHz (30MHz-25GHz) -802.11n(20MHz)-ANT 0



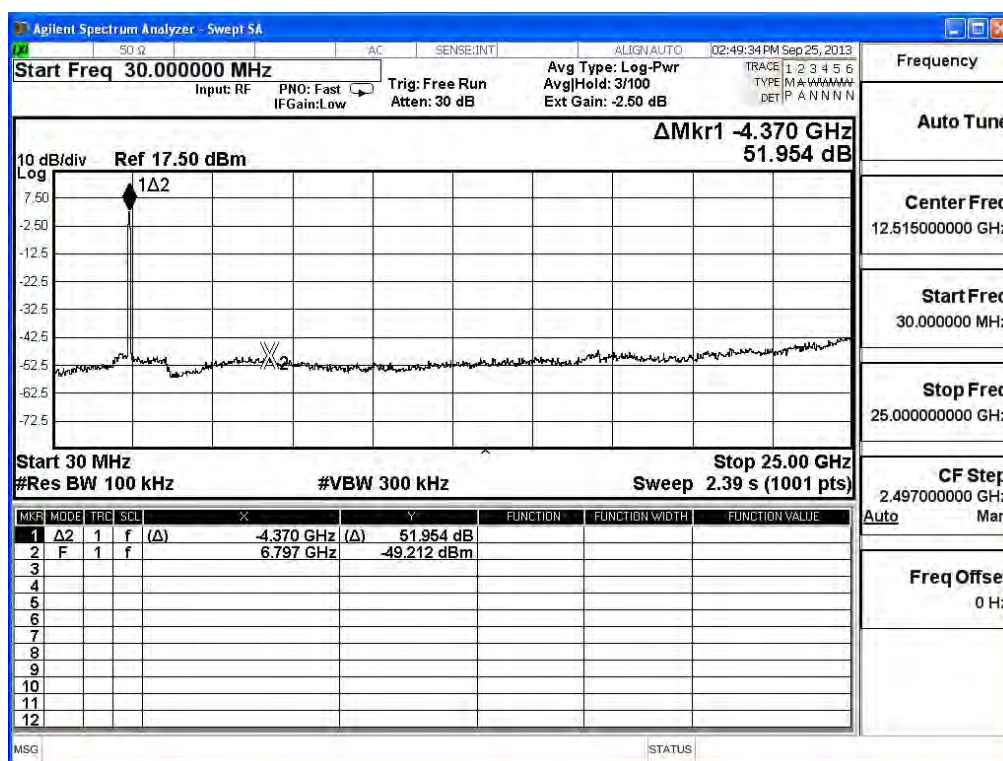
2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 1



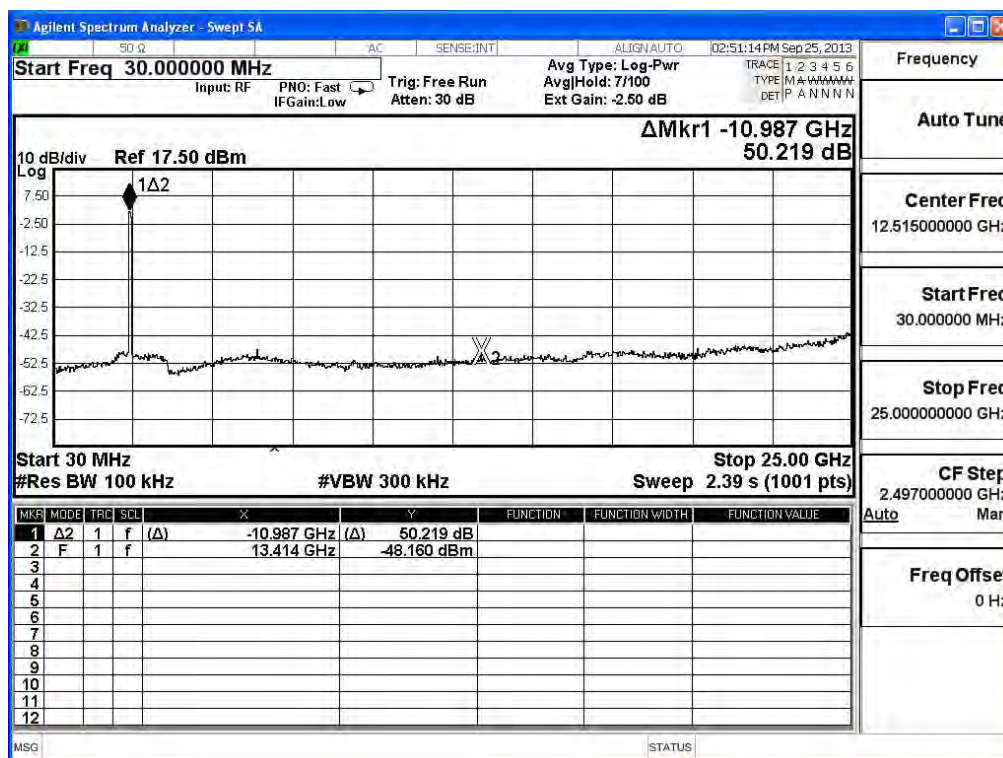
2462MHz (30MHz-25GHz) -802.11n(20MHz)-ANT 1



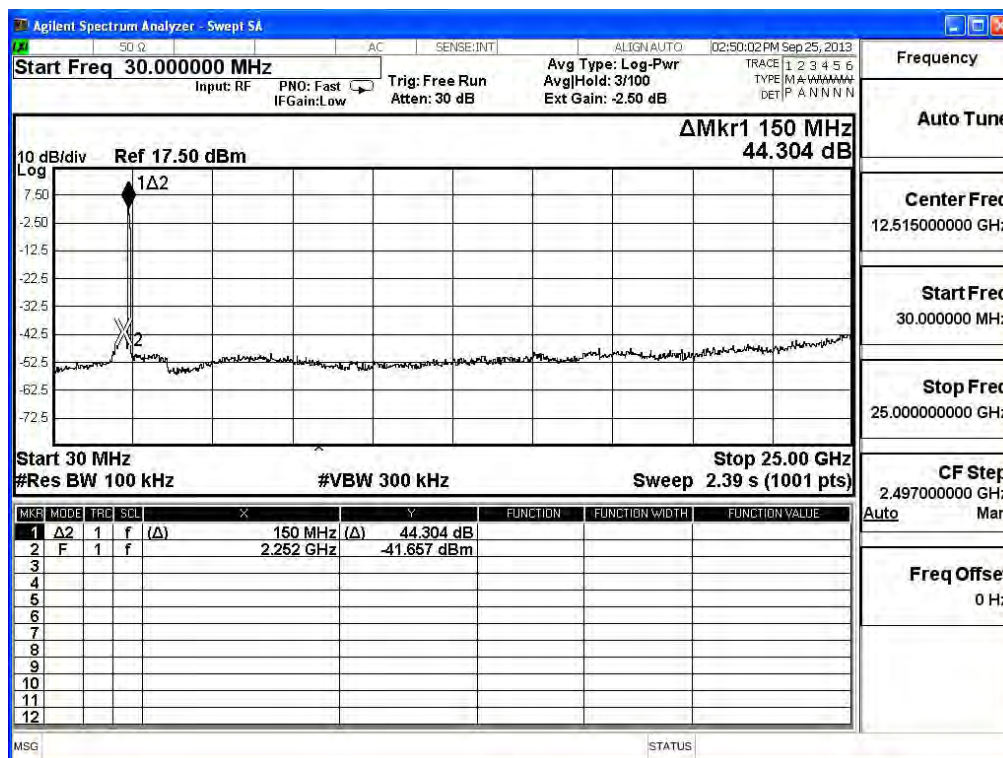
2422MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 0



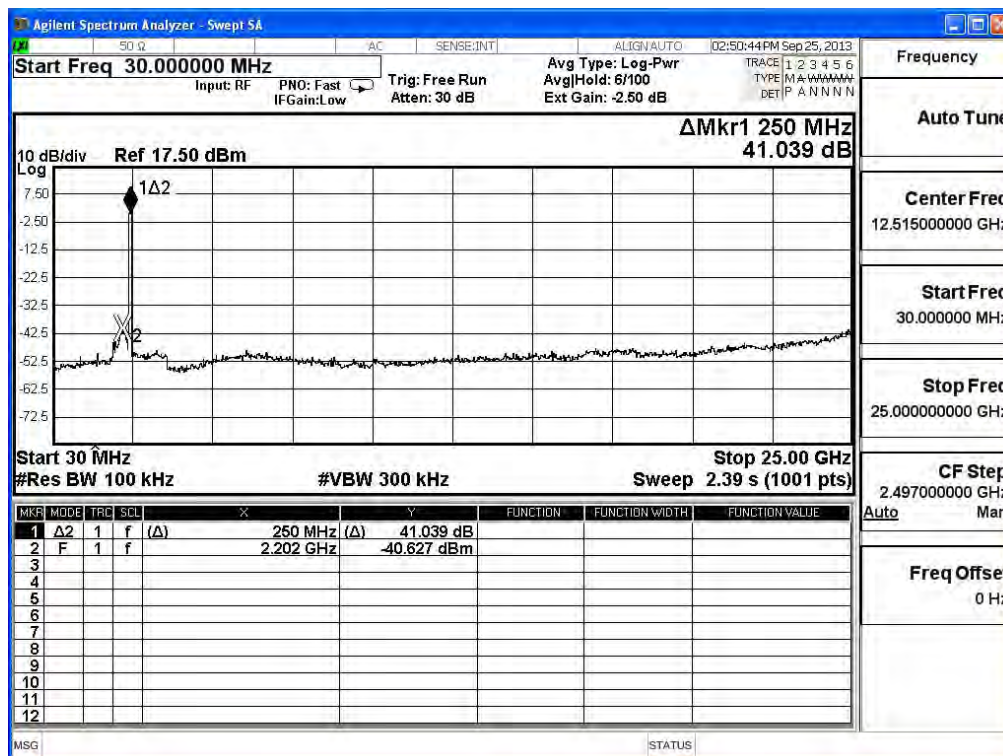
2452MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 0



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



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

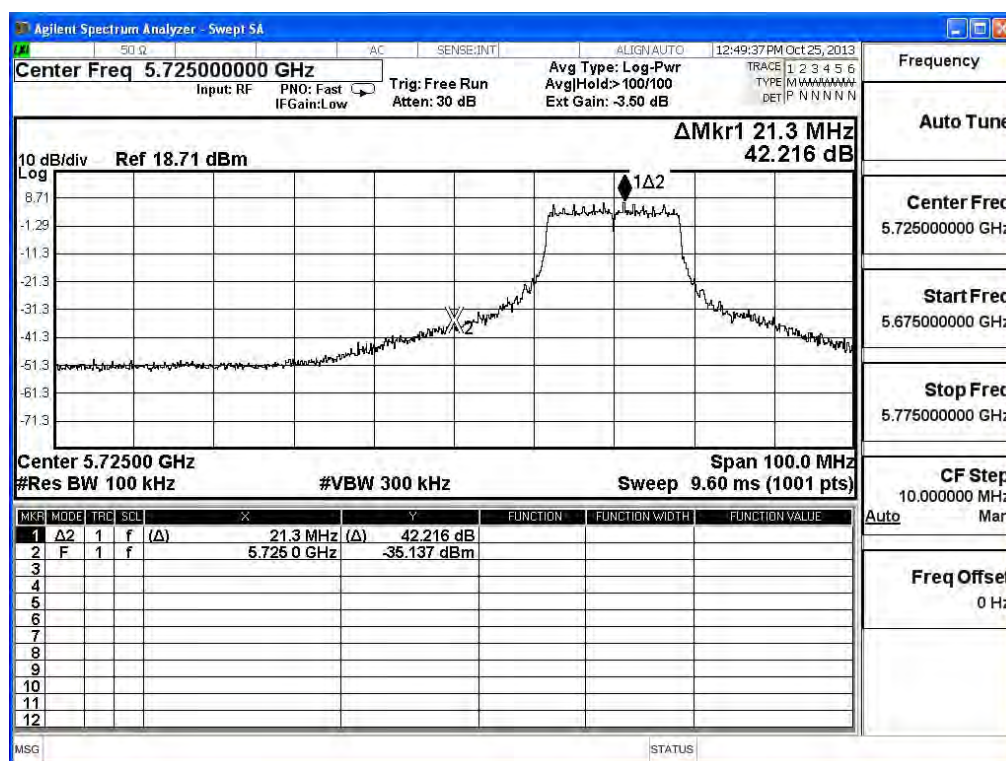


Product	802.11ac Dual Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

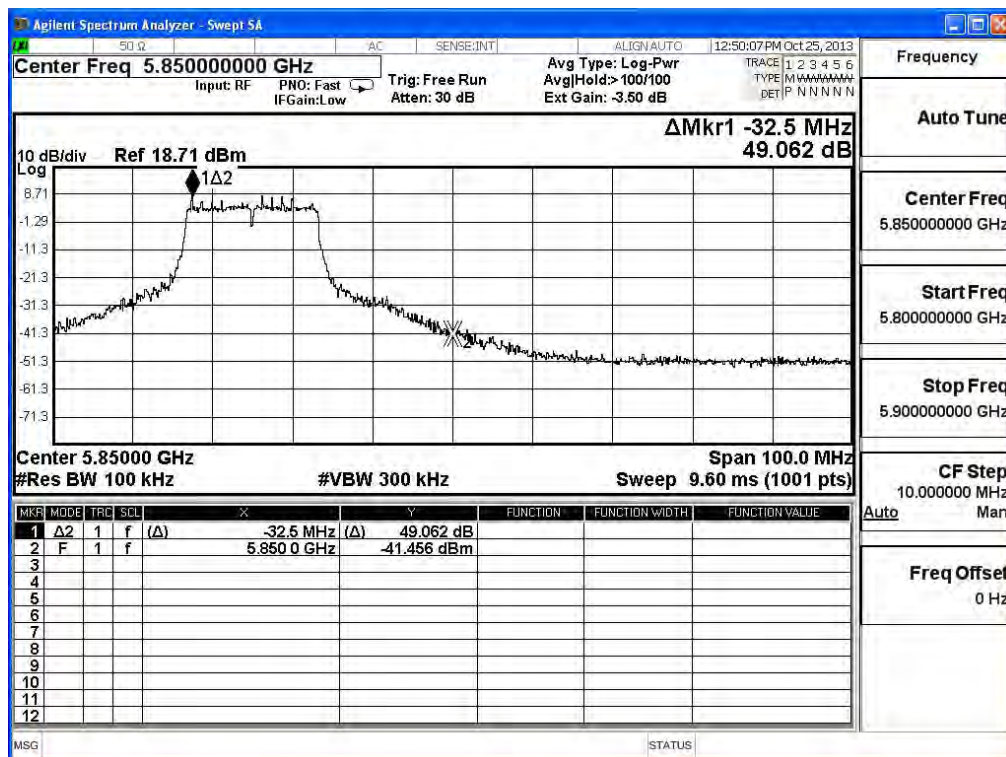
IEEE 802.11a, Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	42.22	≥ 20	Pass
165	5825	49.06	≥ 20	Pass

Channel 149 (5745MHz)



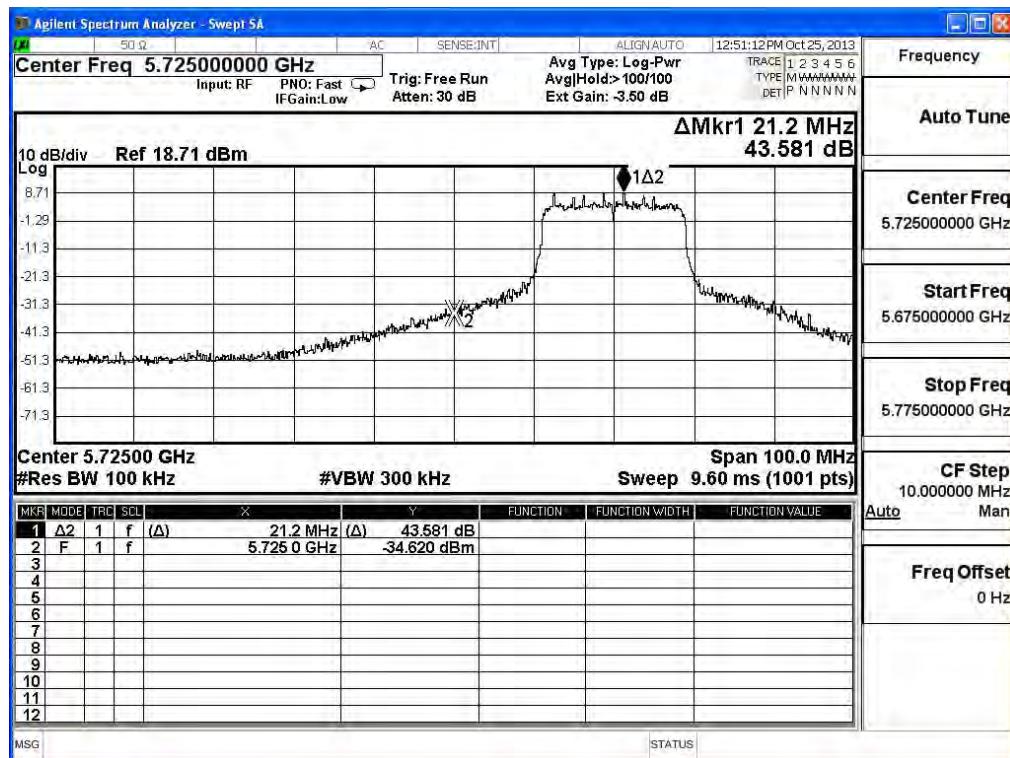
Channel 165 (5825MHz)



Product	802.11ac Dual Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	43.58	≥ 20	Pass
165	5825	49.42	≥ 20	Pass

Channel 149 (5745MHz)



Agilent Spectrum Analyzer - Swept SA

50.0 AC SENSE:INT 12:50:43 PM Oct 25, 2013

Center Freq 5.850000000 GHz

Input: RF PNO: Fast IF Gain: Low Trig: Free Run Attenu: 30 dB Avg Type: Log-Pwr Avg/Hold: > 100/100 Ext Gain: -3.50 dB

TRACE 1 2 3 4 5 6
TYPE M M M M M M M M
DET P N N N N N N

ΔMkr1 -23.8 MHz
49.420 dB

10 dB/div Ref 18.71 dBm

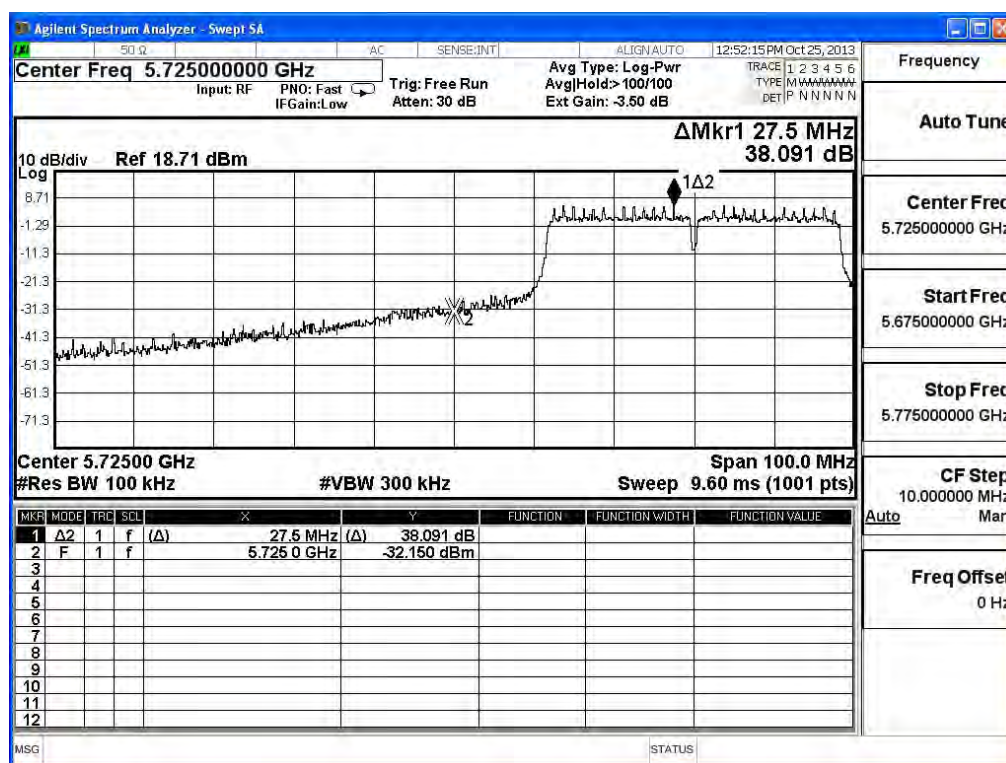
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	1	f	(Δ)	-23.8 MHz	(Δ)	49.420 dB	
2	F	1	f		5.850 0 GHz		-40.478 dBm	
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Center 5.85000 GHz Span 100.0 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 9.60 ms (1001 pts)

Product	802.11ac Dual Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	38.09	≥ 20	Pass
159	5795	48.99	≥ 20	Pass

Channel 151 (5755MHz)



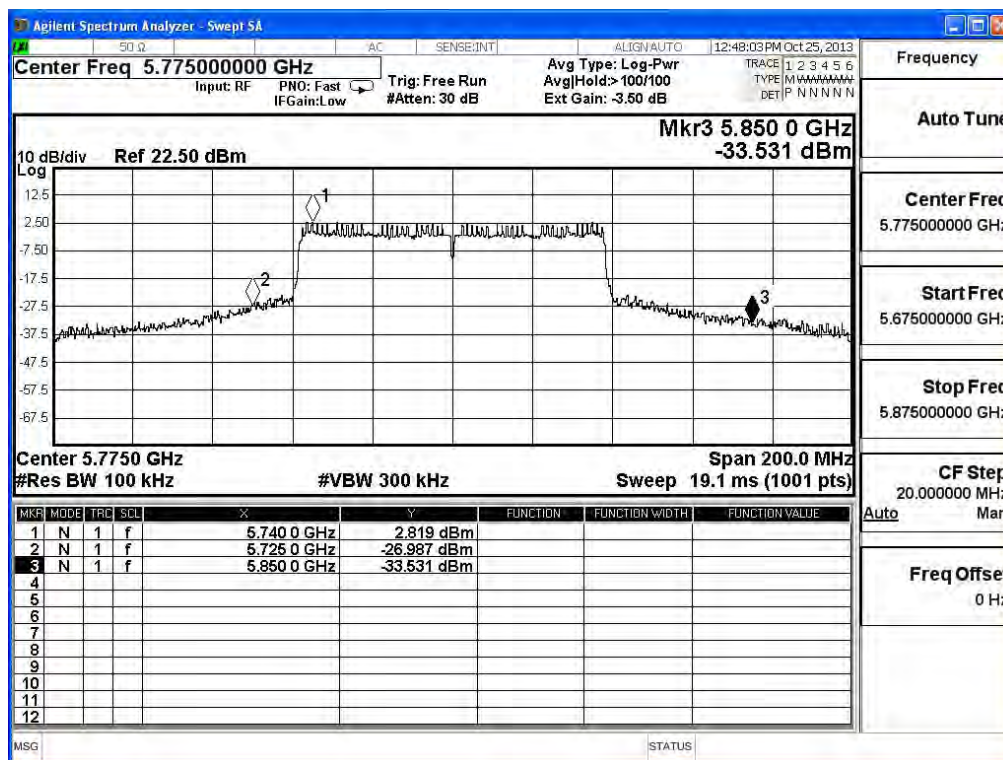
[illegible]

Product	802.11ac Dual Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

IEEE 802.11ac (80MHz), (ANT 0) Duty Cycle: 1

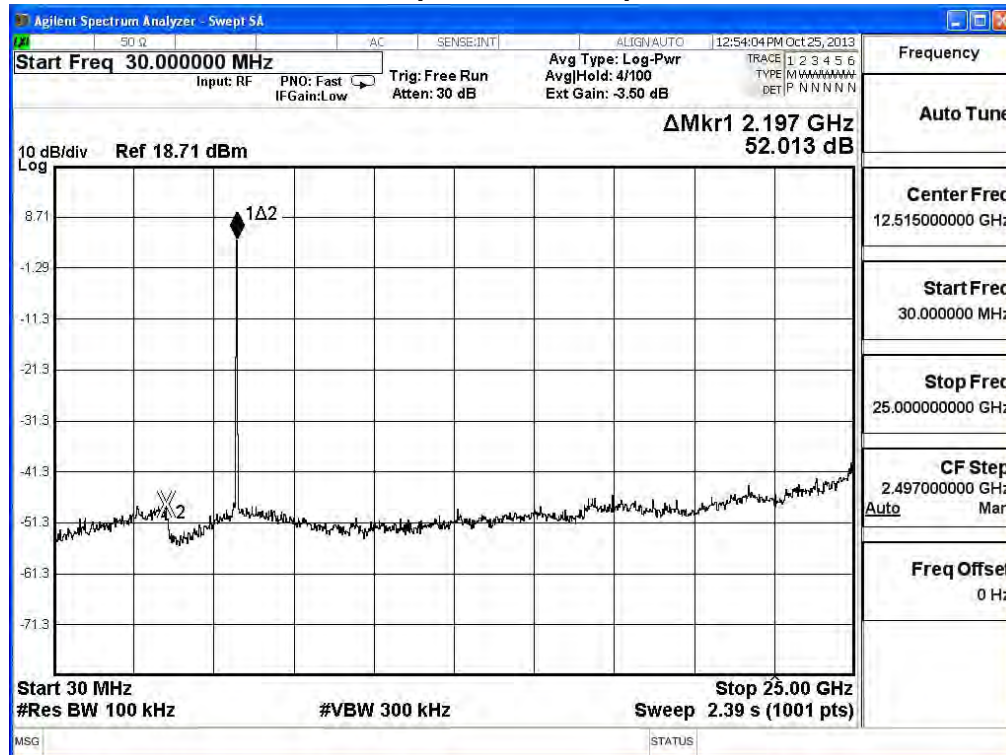
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
155	5775	29.81	≥ 20	Pass

Channel 155 (5775MHz)

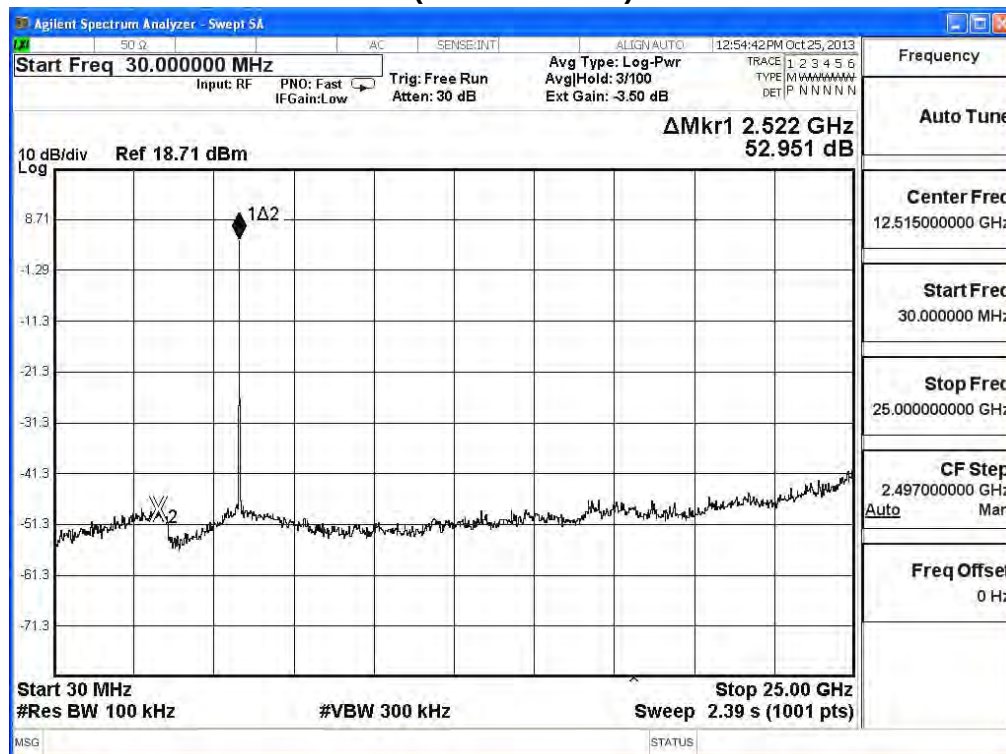


Product	802.11ac Dual Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

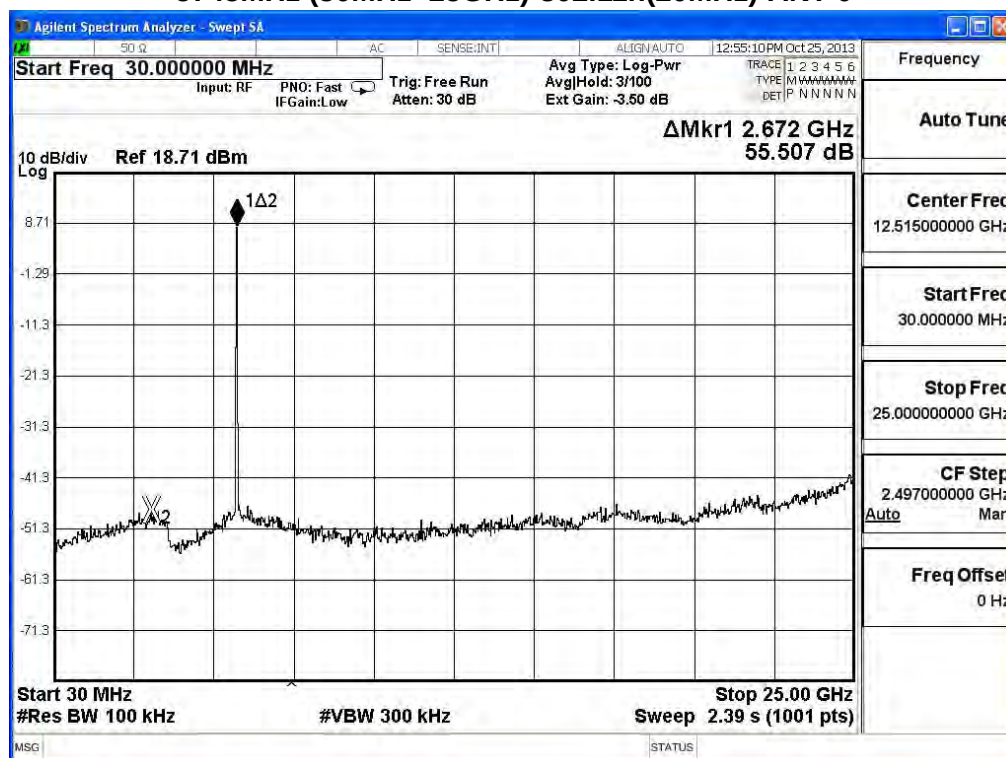
5745MHz (30MHz~25GHz)-802.11a



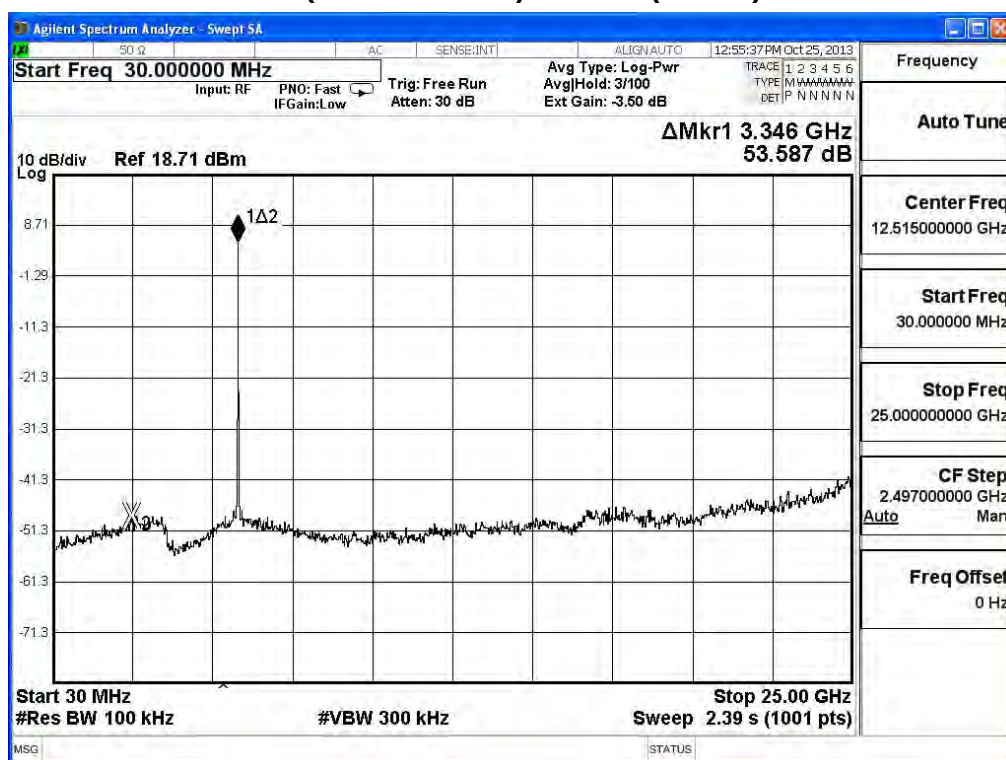
5825MHz (30MHz~25GHz)-802.11a



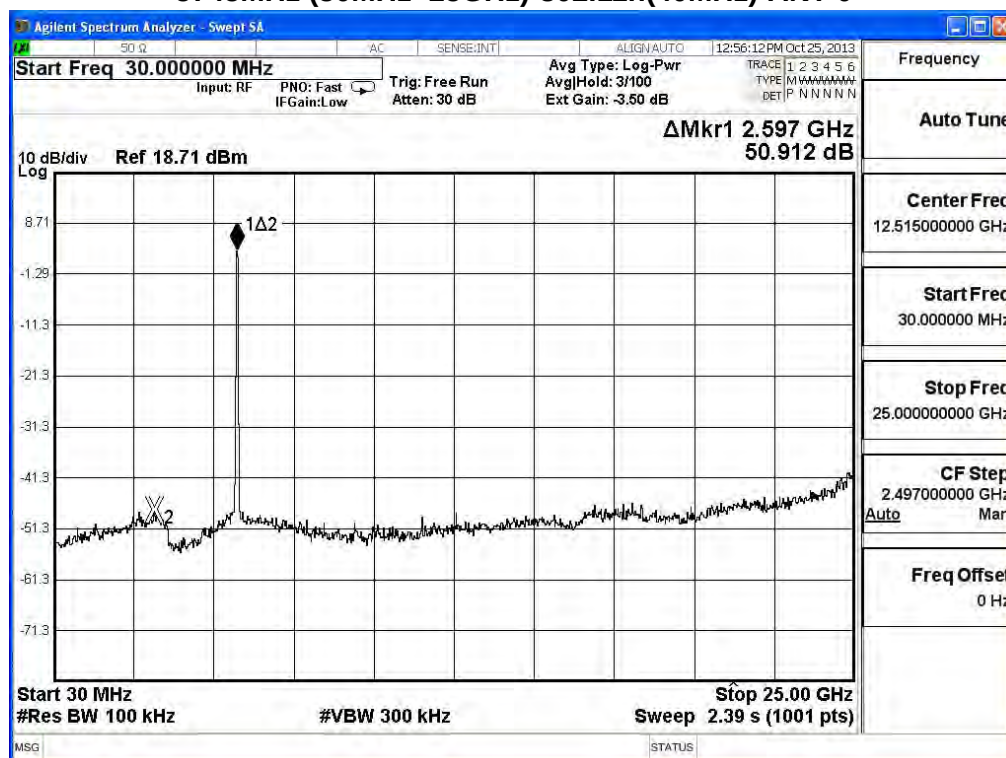
5745MHz (30MHz~25GHz)-802.11n(20MHz)-ANT 0



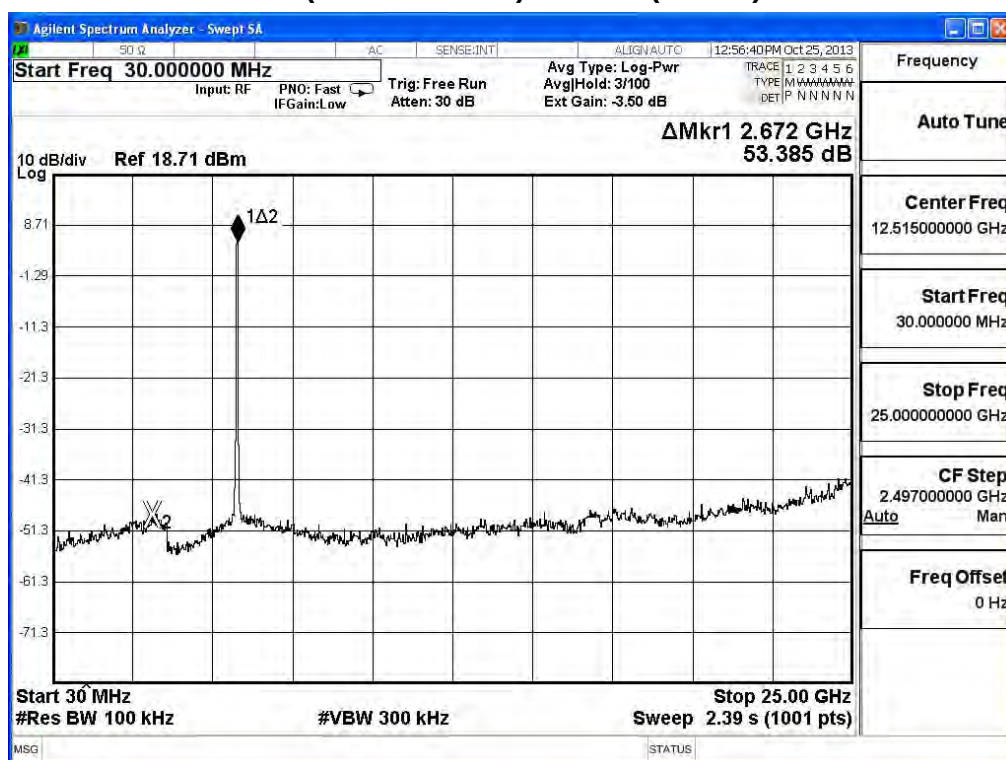
5825MHz (30MHz~25GHz) -802.11n(20MHz)-ANT 0



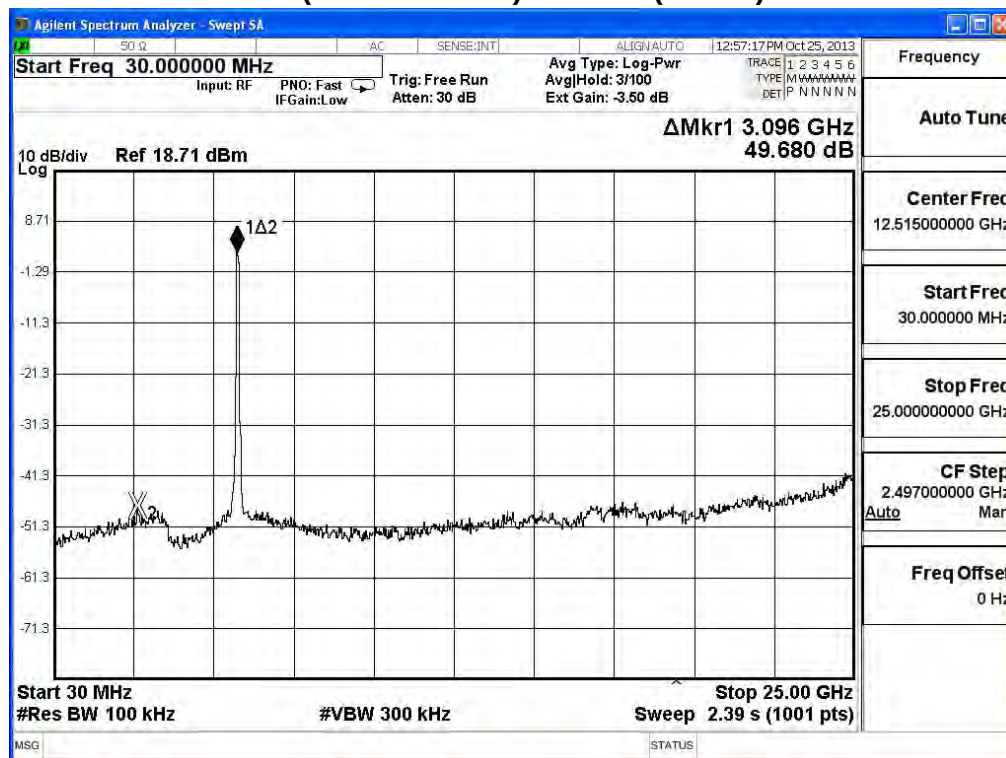
5745MHz (30MHz~25GHz)-802.11n(40MHz)-ANT 0



5825MHz (30MHz~25GHz) -802.11n(40MHz)-ANT 0



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



6. Radiated Emission Band Edge

6.1. Test Equipment

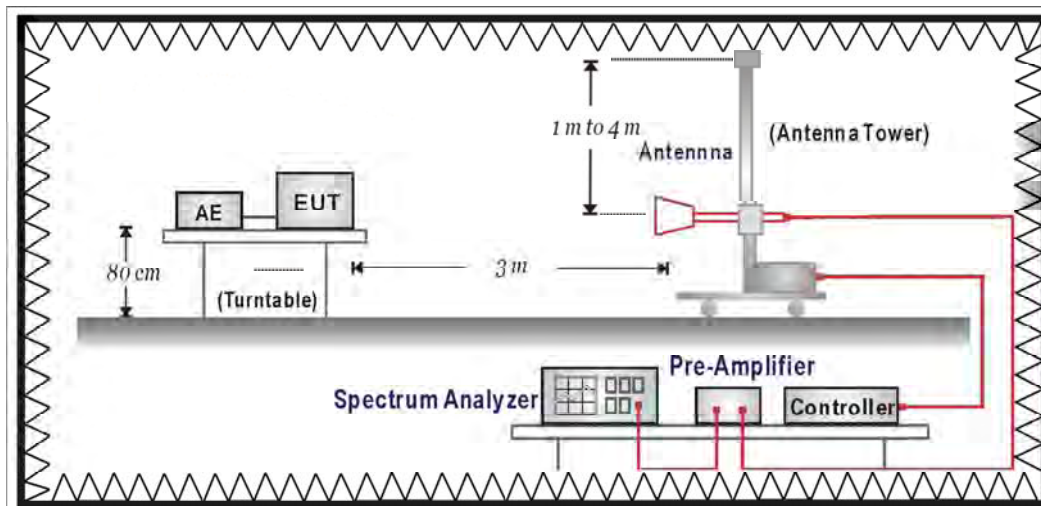
The following test equipments are used during the test:

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.

6.2. Test Setup



6.3. Limits

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

6.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.

The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2012

6.6. Uncertainty

The measurement uncertainty

± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	Time : 2013/09/04 - 15:37
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : EUT : 802.11ac Dual Band Router	Note : 802.11b_2412MHz

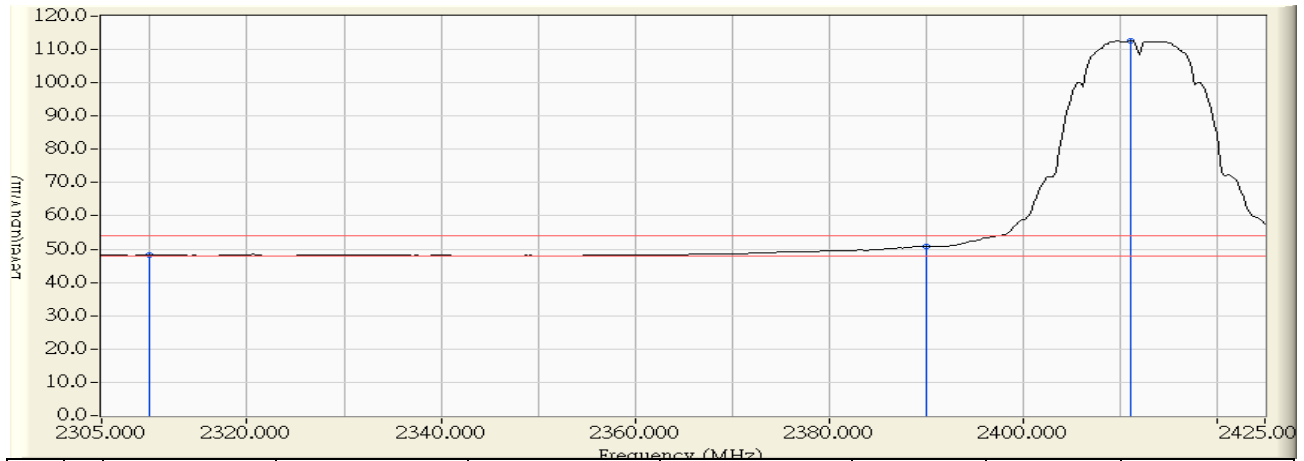


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	30.750	60.809	-13.191	74.000	PEAK
2		2388.600	30.874	42.097	72.971	-1.029	74.000	PEAK
3		2390.000	30.888	41.703	72.591	-1.409	74.000	PEAK
4	*	2411.000	31.106	84.239	115.345	41.345	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 15:38
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2412MHz



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	18.085	48.144	-5.856	54.000	AVERAGE
2	2390.000	30.888	19.824	50.712	-3.288	54.000	AVERAGE
3	* 2411.200	31.108	81.574	112.682	58.682	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 15:42
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2412MHz

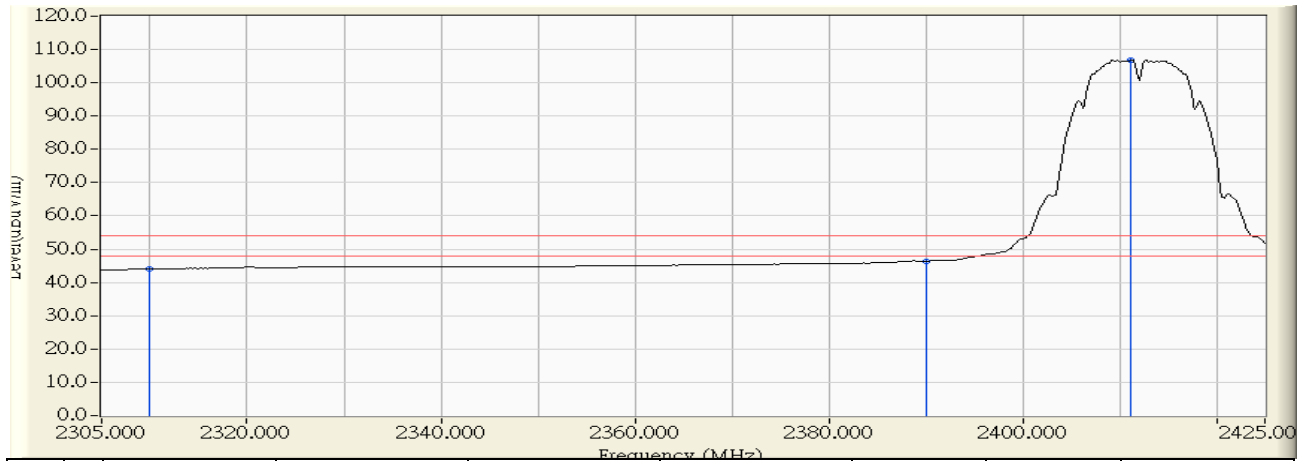


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	26.820	56.879	-17.121	74.000	PEAK
2		2390.000	30.888	35.972	66.860	-7.140	74.000	PEAK
3	*	2411.000	31.106	78.984	110.090	36.090	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 15:42
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2412MHz

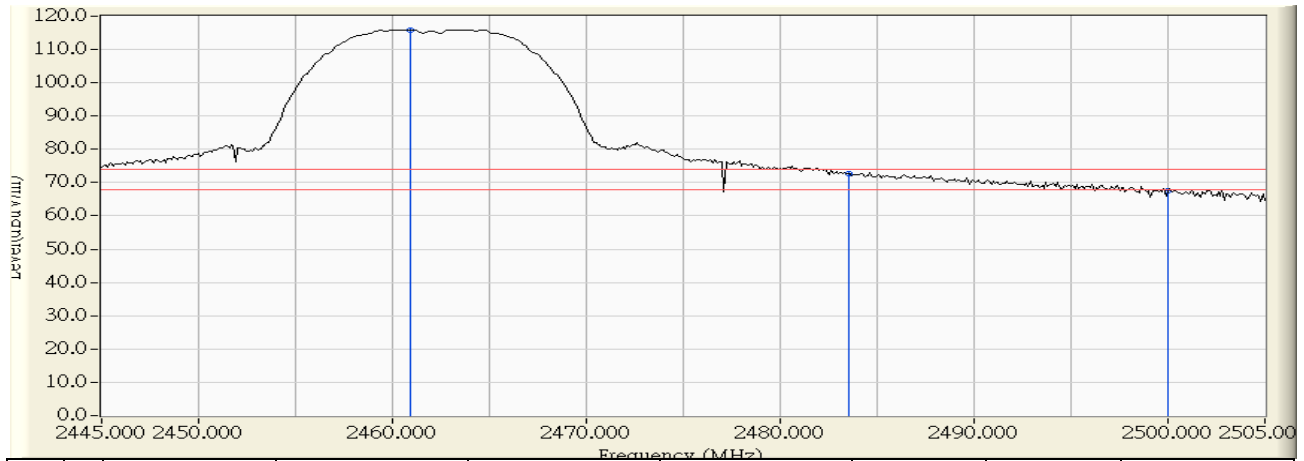


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	13.975	44.034	-9.966	54.000	AVERAGE
2		2390.000	30.888	15.572	46.460	-7.540	54.000	AVERAGE
3	*	2411.200	31.108	75.845	106.953	52.953	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 15:51
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2462MHz

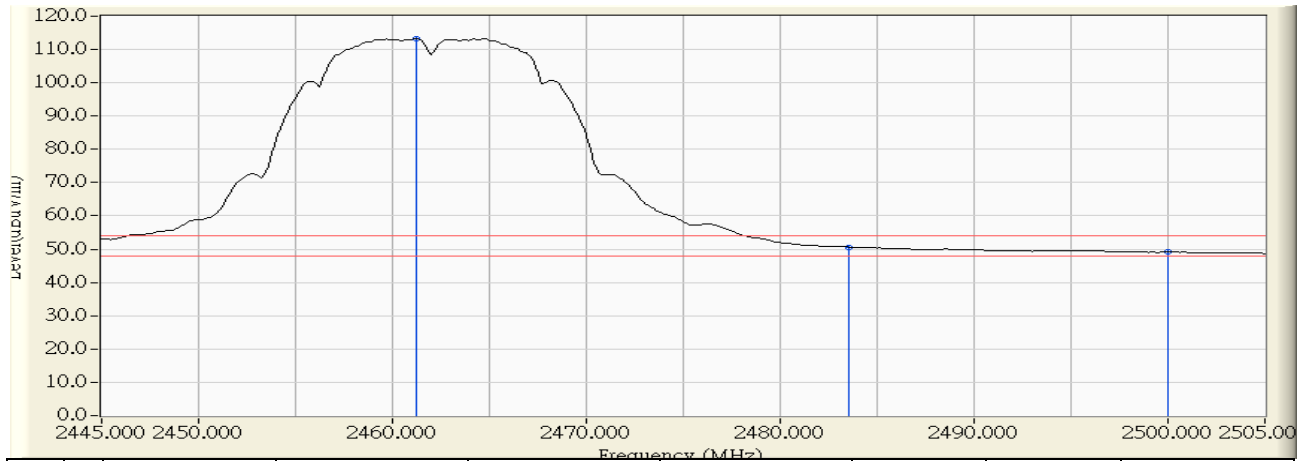


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.900	31.623	84.282	115.906	41.906	74.000	PEAK
2		2483.500	31.858	40.881	72.739	-1.261	74.000	PEAK
3		2500.000	31.988	35.602	67.591	-6.409	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 15:49
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2462MHz

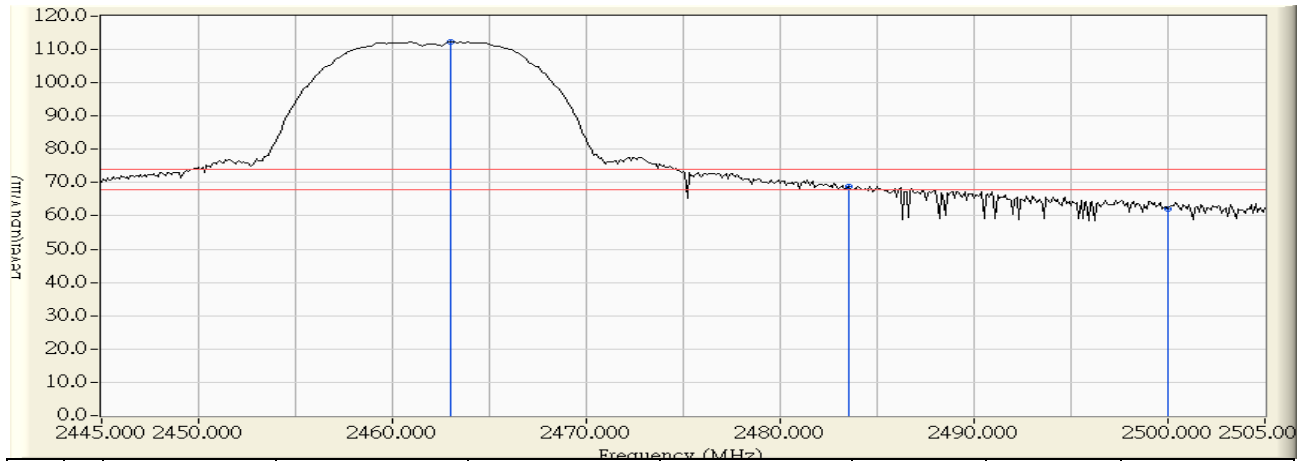


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2461.200	31.627	81.552	113.179	59.179	54.000	AVERAGE
2		2483.500	31.858	18.790	50.648	-3.352	54.000	AVERAGE
3		2500.000	31.988	17.143	49.132	-4.868	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 15:54
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2462MHz

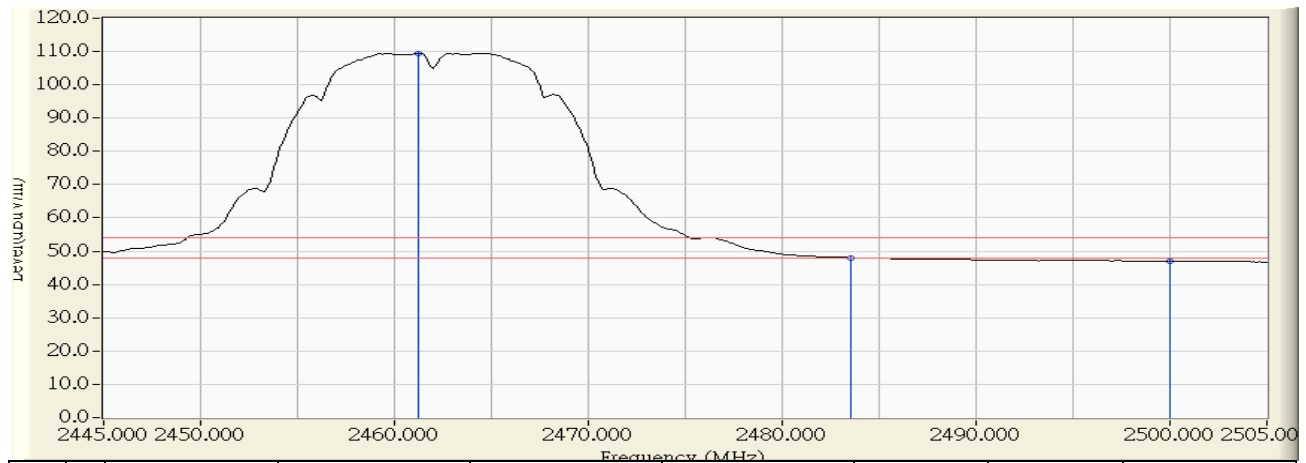


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2463.000	31.646	80.551	112.196	38.196	74.000	PEAK
2		2483.500	31.858	37.015	68.873	-5.127	74.000	PEAK
3		2500.000	31.988	30.041	62.030	-11.970	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 15:54
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2462MHz

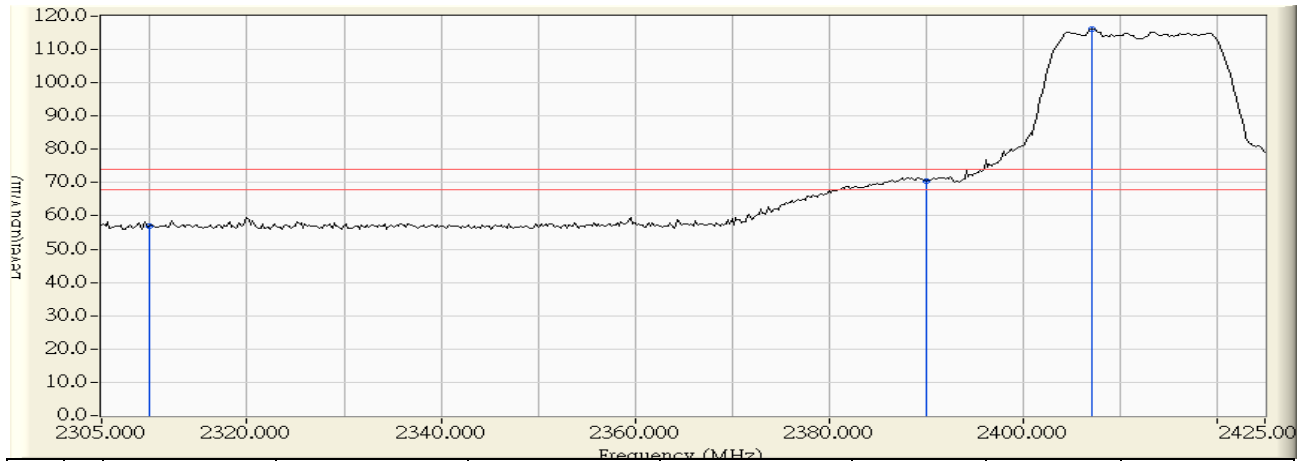


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2461.200	31.627	77.886	109.513	55.513	54.000	AVERAGE
2		2483.500	31.858	16.217	48.075	-5.925	54.000	AVERAGE
3		2500.000	31.988	14.977	46.966	-7.034	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 16:14
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2412MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	26.854	56.913	-17.087	74.000	PEAK
2		2390.000	30.888	39.714	70.602	-3.398	74.000	PEAK
3	*	2407.200	31.066	85.060	116.127	42.127	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 16:15
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2412MHz



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	14.237	44.296	-9.704	54.000	AVERAGE
2	2390.000	30.888	19.045	49.933	-4.067	54.000	AVERAGE
3	* 2404.800	31.042	74.130	105.172	51.172	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 16:20
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2412MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	24.302	54.361	-19.639	74.000	PEAK
2		2387.000	30.857	35.148	66.005	-7.995	74.000	PEAK
3		2390.000	30.888	33.953	64.841	-9.159	74.000	PEAK
4	*	2407.200	31.066	79.274	110.341	36.341	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 16:20
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2412MHz

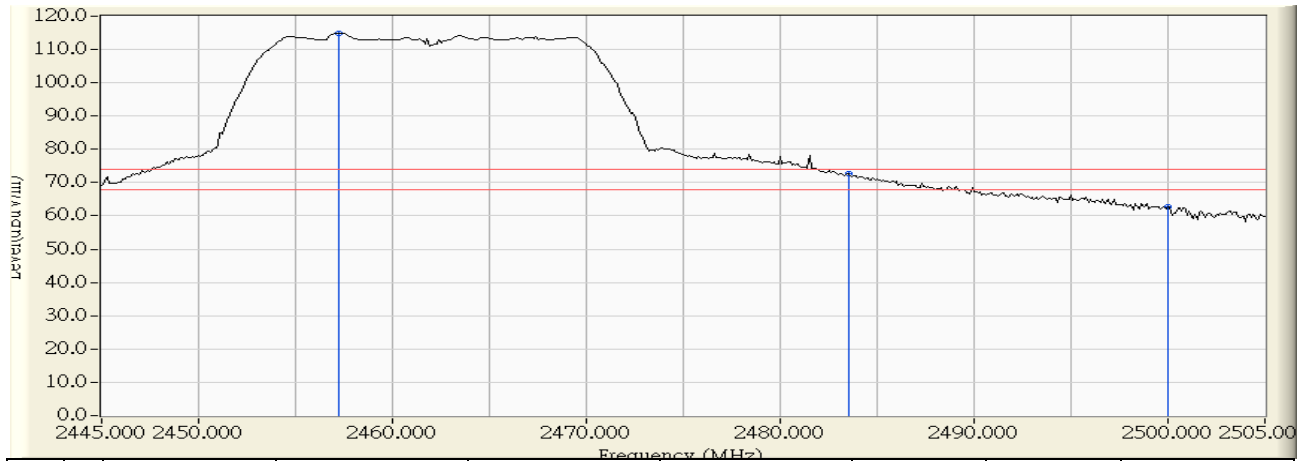


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	12.135	42.194	-11.806	54.000	AVERAGE
2		2390.000	30.888	15.166	46.054	-7.946	54.000	AVERAGE
3	*	2404.800	31.042	68.463	99.505	45.505	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 16:30
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2462MHz

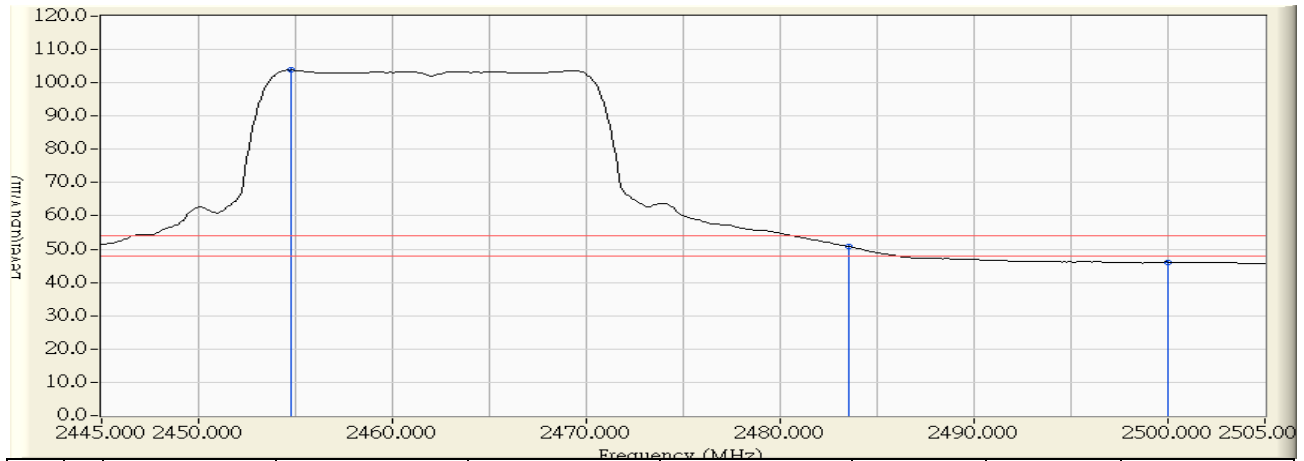


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2457.200	31.585	83.423	115.008	41.008	74.000	PEAK
2		2483.500	31.858	40.827	72.685	-1.315	74.000	PEAK
3		2500.000	31.988	30.893	62.882	-11.118	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 16:30
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2462MHz

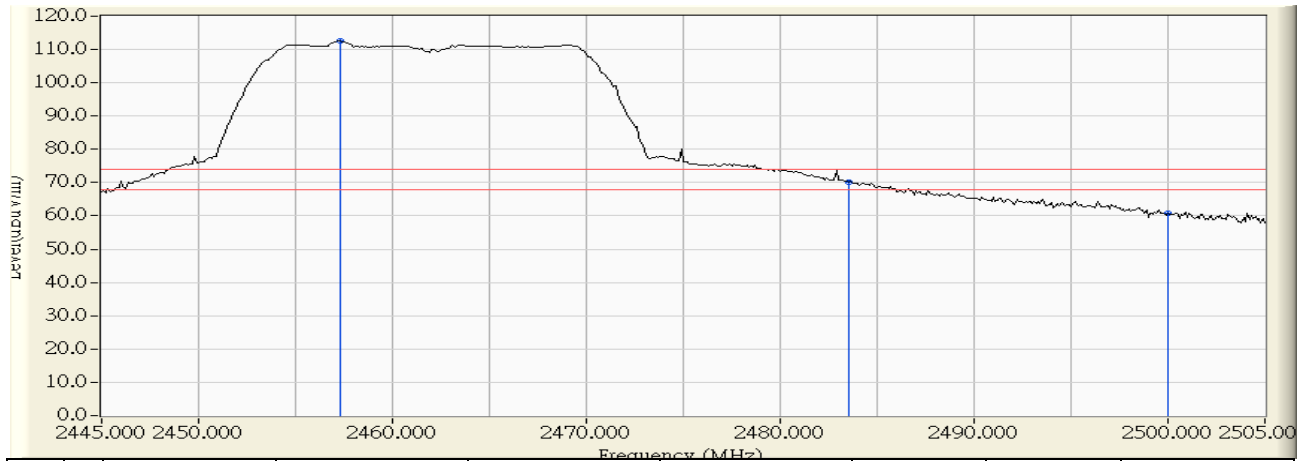


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2454.800	31.560	72.233	103.793	49.793	54.000	AVERAGE
2		2483.500	31.858	18.930	50.788	-3.212	54.000	AVERAGE
3		2500.000	31.988	14.156	46.145	-7.855	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 16:33
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2462MHz

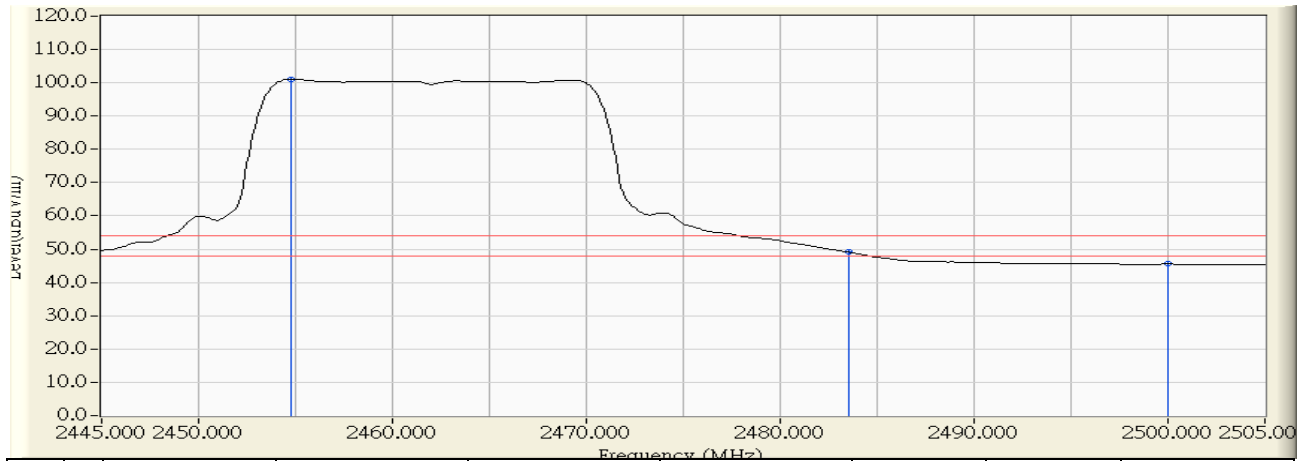


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2457.300	31.586	80.870	112.456	38.456	74.000	PEAK
2		2483.500	31.858	38.297	70.155	-3.845	74.000	PEAK
3		2500.000	31.988	28.972	60.961	-13.039	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 16:34
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2462MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2454.800	31.560	69.508	101.068	47.068	54.000	AVERAGE
2		2483.500	31.858	17.270	49.128	-4.872	54.000	AVERAGE
3		2500.000	31.988	13.542	45.531	-8.469	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 16:50
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2412MHz

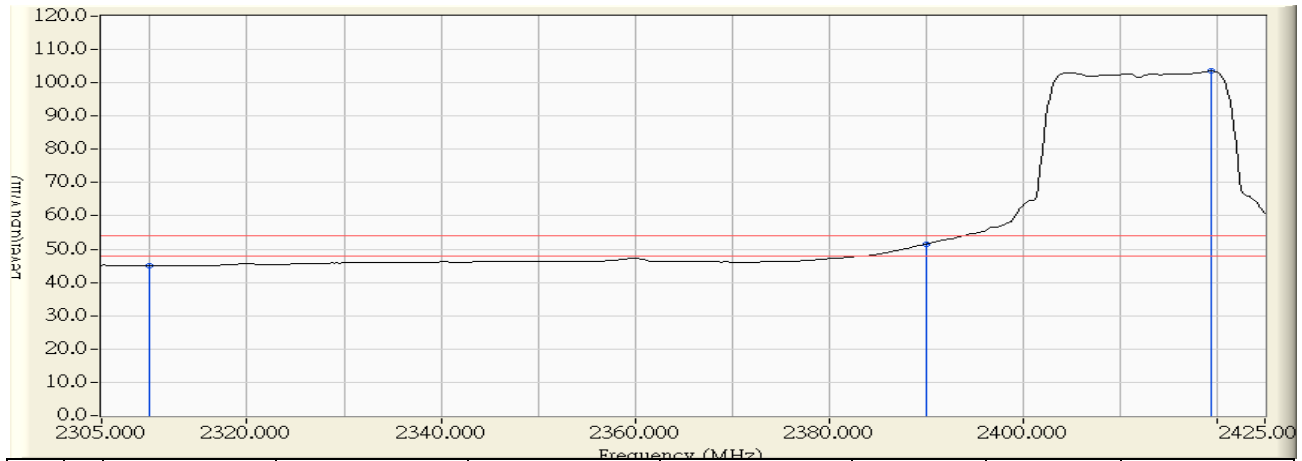


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	27.774	57.833	-16.167	74.000	PEAK
2		2390.000	30.888	35.944	66.832	-7.168	74.000	PEAK
3	*	2419.800	31.197	85.165	116.362	42.362	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 16:48
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2412MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	15.054	45.113	-8.887	54.000	AVERAGE
2		2390.000	30.888	20.624	51.512	-2.488	54.000	AVERAGE
3	*	2419.400	31.193	72.317	103.510	49.510	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 17:06
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20_2412MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	27.420	57.479	-16.521	74.000	PEAK
2		2386.000	30.847	30.745	61.592	-12.408	74.000	PEAK
3		2390.000	30.888	30.552	61.440	-12.560	74.000	PEAK
4	*	2419.800	31.197	80.617	111.814	37.814	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 17:07
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_2412MHz

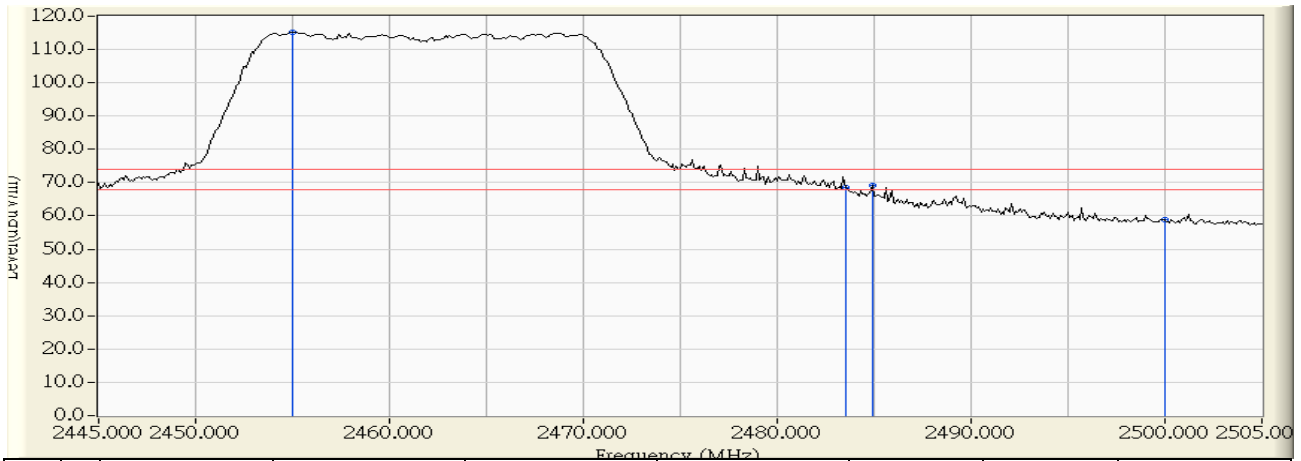


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	14.993	45.052	-8.948	54.000	AVERAGE
2		2390.000	30.888	17.490	48.378	-5.622	54.000	AVERAGE
3	*	2404.600	31.039	68.491	99.531	45.531	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 16:57
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2462MHz

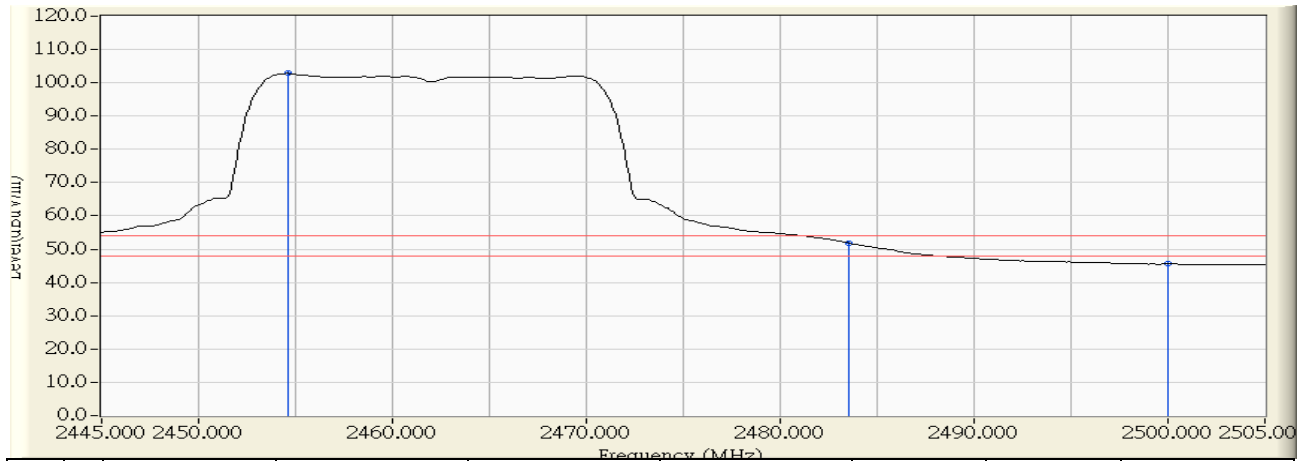


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2455.000	31.562	83.769	115.331	41.331	74.000	PEAK
2		2483.500	31.858	36.678	68.536	-5.464	74.000	PEAK
3		2484.900	31.872	37.454	69.326	-4.674	74.000	PEAK
4		2500.000	31.988	26.897	58.886	-15.114	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 16:55
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20_2462MHz

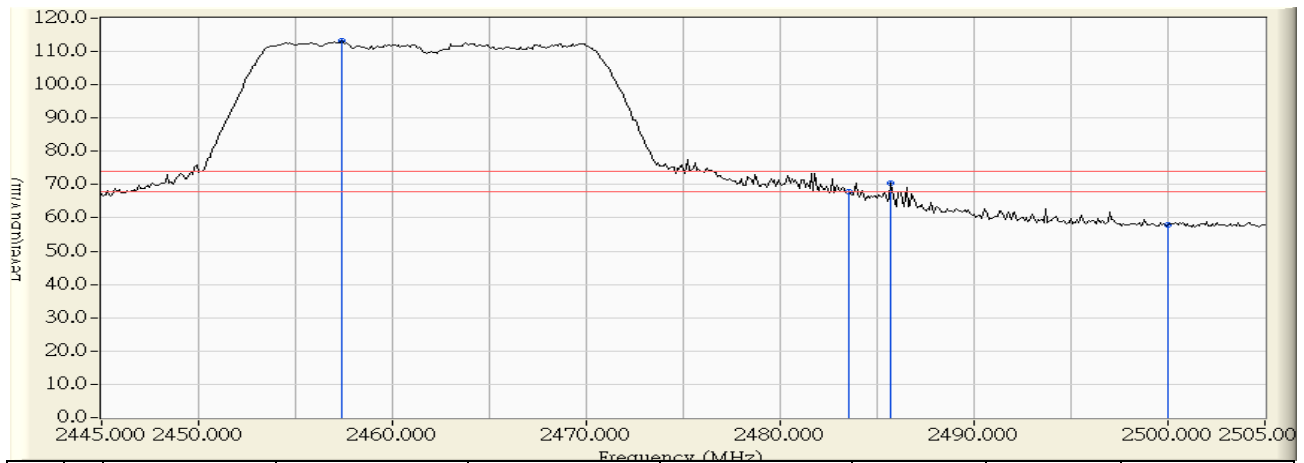


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2454.600	31.558	71.241	102.799	48.799	54.000	AVERAGE
2		2483.500	31.858	20.003	51.861	-2.139	54.000	AVERAGE
3		2500.000	31.988	13.560	45.549	-8.451	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 17:00
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20_2462MHz

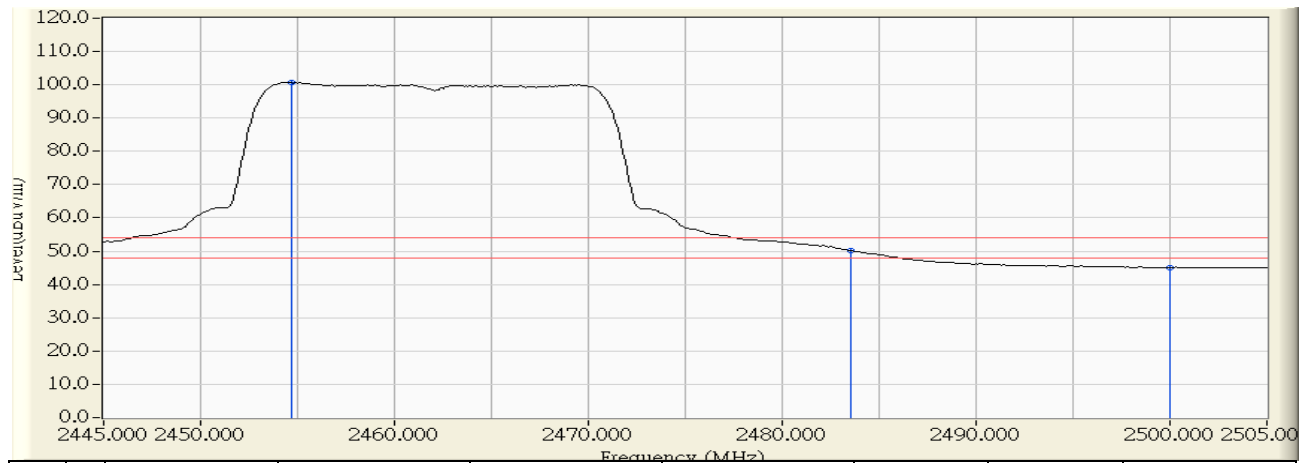


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2457.400	31.587	81.521	113.108	39.108	74.000	PEAK
2		2483.500	31.858	36.096	67.954	-6.046	74.000	PEAK
3		2485.700	31.880	38.601	70.482	-3.518	74.000	PEAK
4		2500.000	31.988	25.966	57.955	-16.045	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 17:01
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20_2462MHz

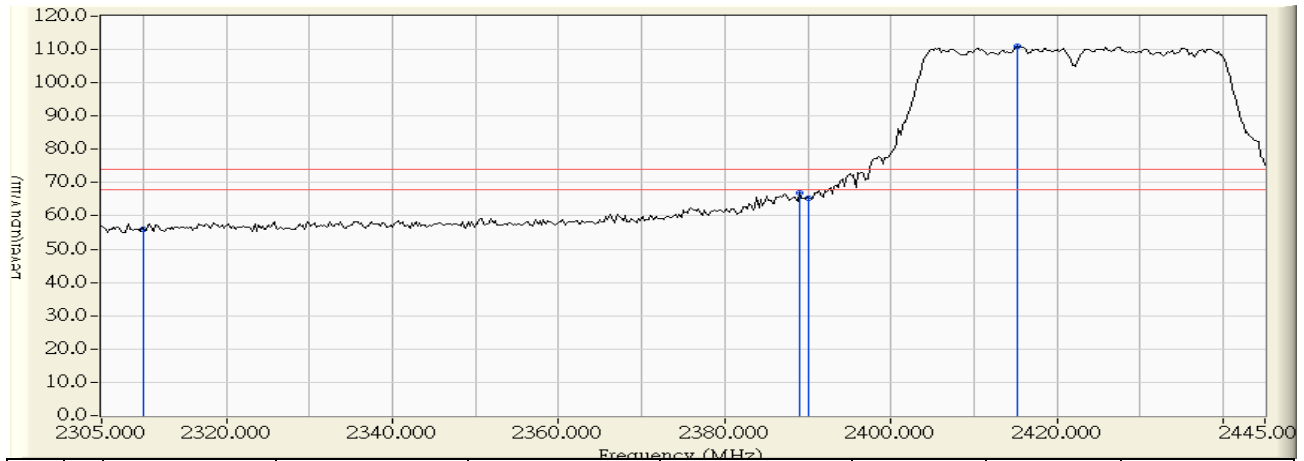


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2454.700	31.559	69.228	100.787	46.787	54.000	AVERAGE
2		2483.500	31.858	18.290	50.148	-3.852	54.000	AVERAGE
3		2500.000	31.988	13.190	45.179	-8.821	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 17:20
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 2422MHz

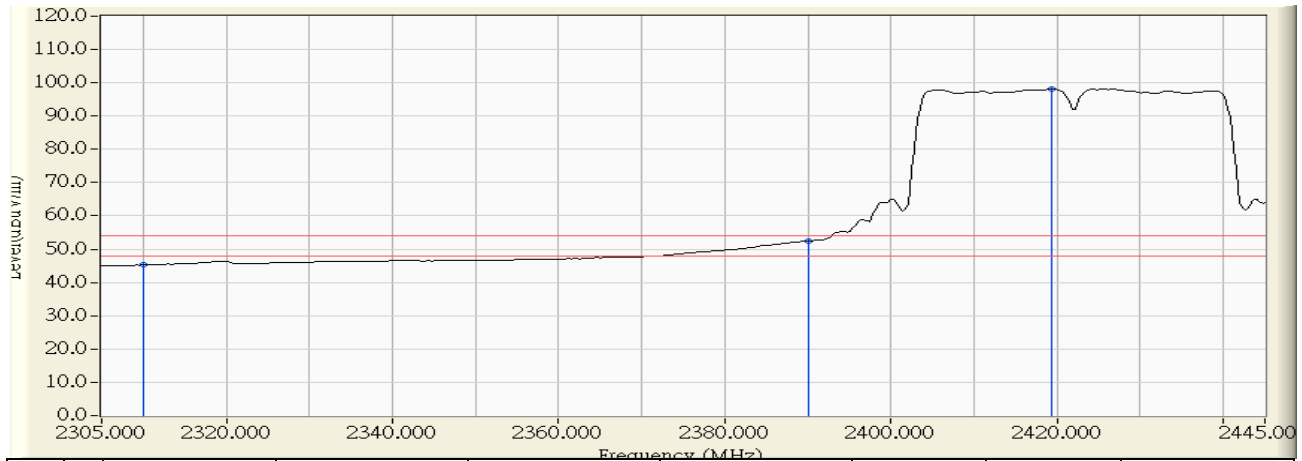


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	26.066	56.125	-17.875	74.000	PEAK
2		2389.000	30.878	36.108	66.986	-7.014	74.000	PEAK
3		2390.000	30.888	34.575	65.463	-8.537	74.000	PEAK
4	*	2415.133	31.149	79.802	110.951	36.951	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 17:19
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_2422MHz

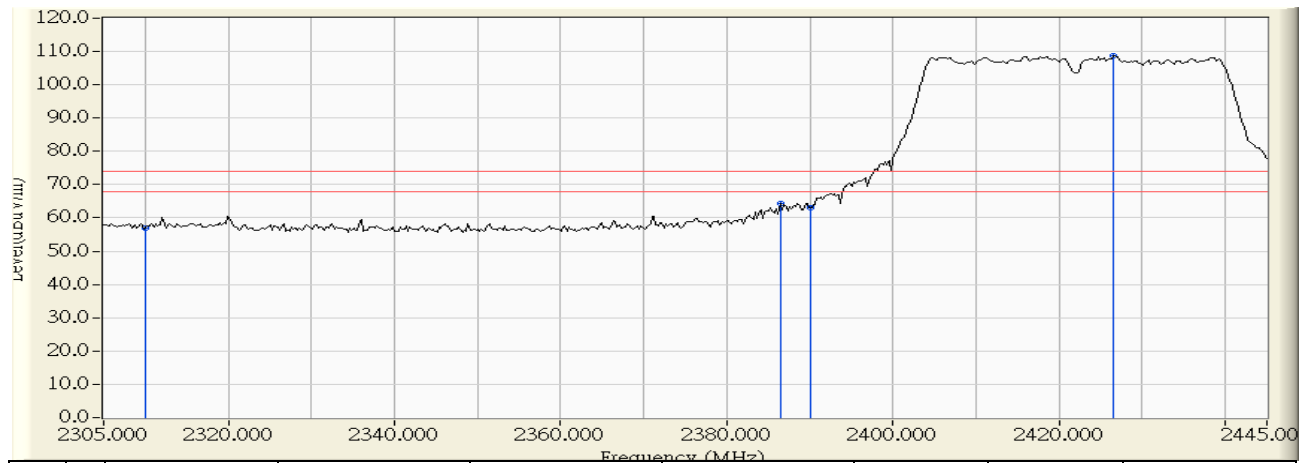


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	15.187	45.246	-8.754	54.000	AVERAGE
2		2390.000	30.888	21.513	52.401	-1.599	54.000	AVERAGE
3	*	2419.333	31.193	66.878	98.071	44.071	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 17:40
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 2422MHz

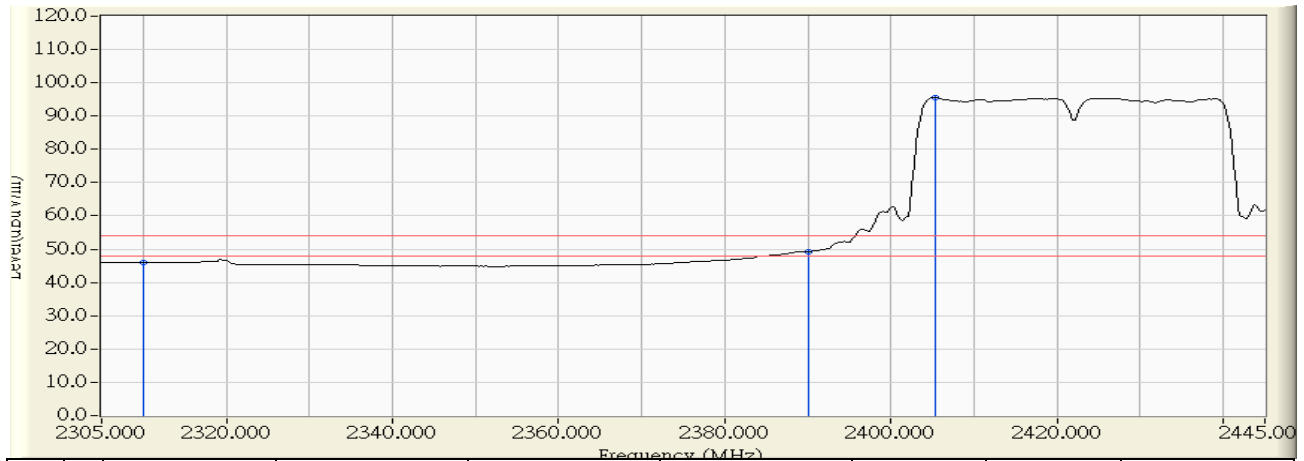


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	26.845	56.904	-17.096	74.000	PEAK
2		2386.433	30.851	33.358	64.209	-9.791	74.000	PEAK
3		2390.000	30.888	32.234	63.122	-10.878	74.000	PEAK
4	*	2426.567	31.267	77.323	108.591	34.591	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 17:40
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 2422MHz

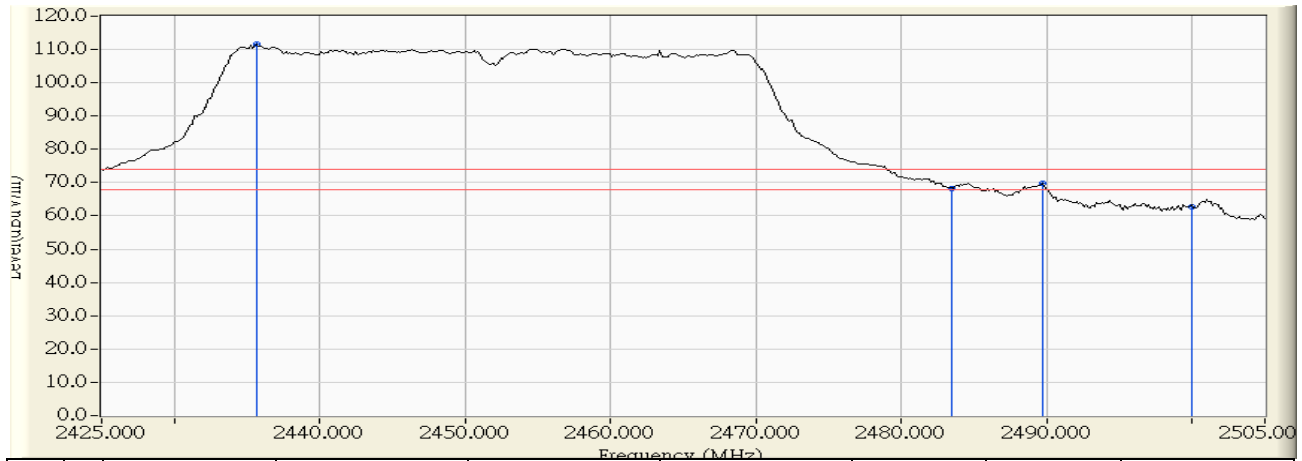


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	15.974	46.033	-7.967	54.000	AVERAGE
2		2390.000	30.888	18.361	49.249	-4.751	54.000	AVERAGE
3	*	2405.333	31.047	64.423	95.470	41.470	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 17:31
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_2452MHz

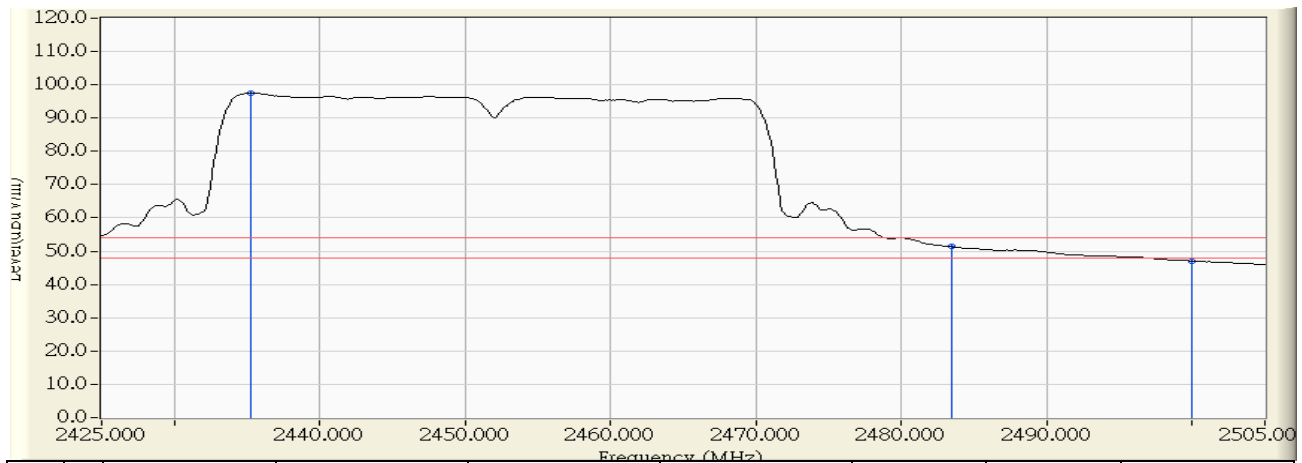


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2435.667	31.362	80.322	111.684	37.684	74.000	PEAK
2		2483.500	31.858	36.346	68.204	-5.796	74.000	PEAK
3		2489.667	31.922	37.753	69.675	-4.325	74.000	PEAK
4		2500.000	31.988	30.890	62.879	-11.121	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 17:28
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_2452MHz

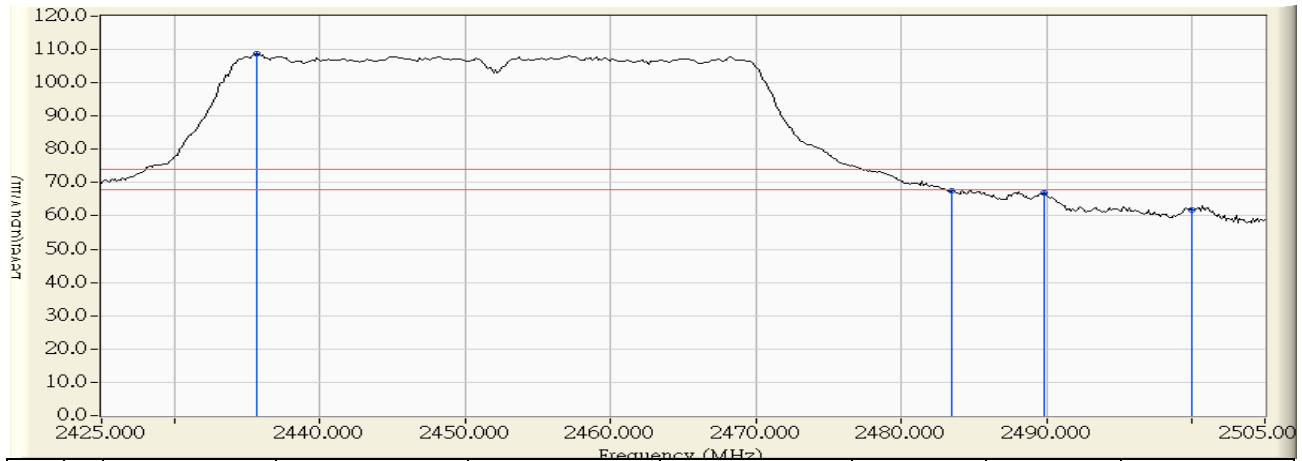


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2435.267	31.357	66.165	97.523	43.523	54.000	AVERAGE
2		2483.500	31.858	19.457	51.315	-2.685	54.000	AVERAGE
3		2500.000	31.988	15.063	47.052	-6.948	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/09/04 - 17:34
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_2452MHz

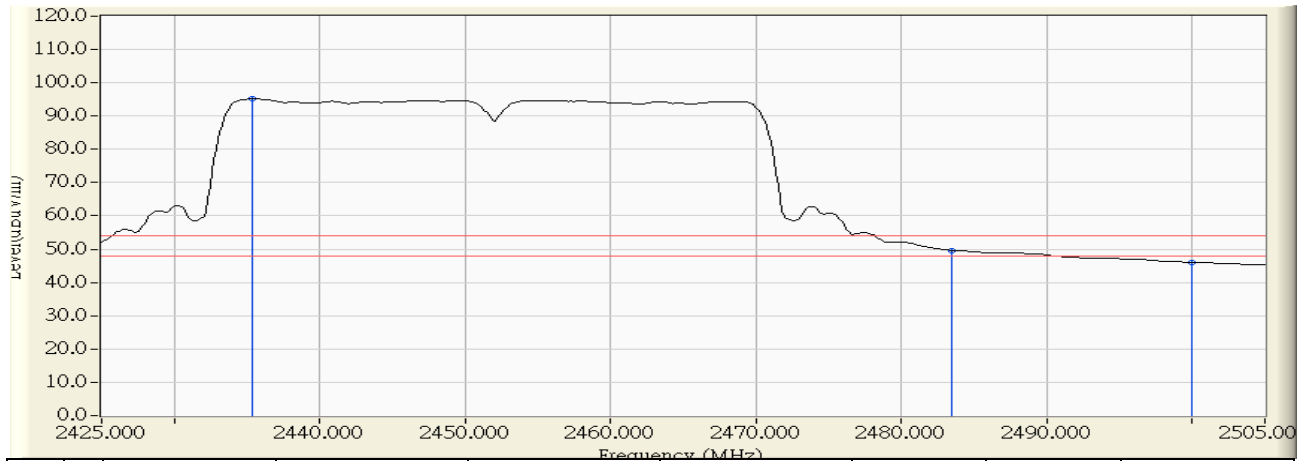


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2435.667	31.362	77.301	108.663	34.663	74.000	PEAK
2		2483.500	31.858	35.605	67.463	-6.537	74.000	PEAK
3		2489.800	31.923	35.066	66.989	-7.011	74.000	PEAK
4		2500.000	31.988	29.757	61.746	-12.254	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/04 - 17:34
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_2452MHz

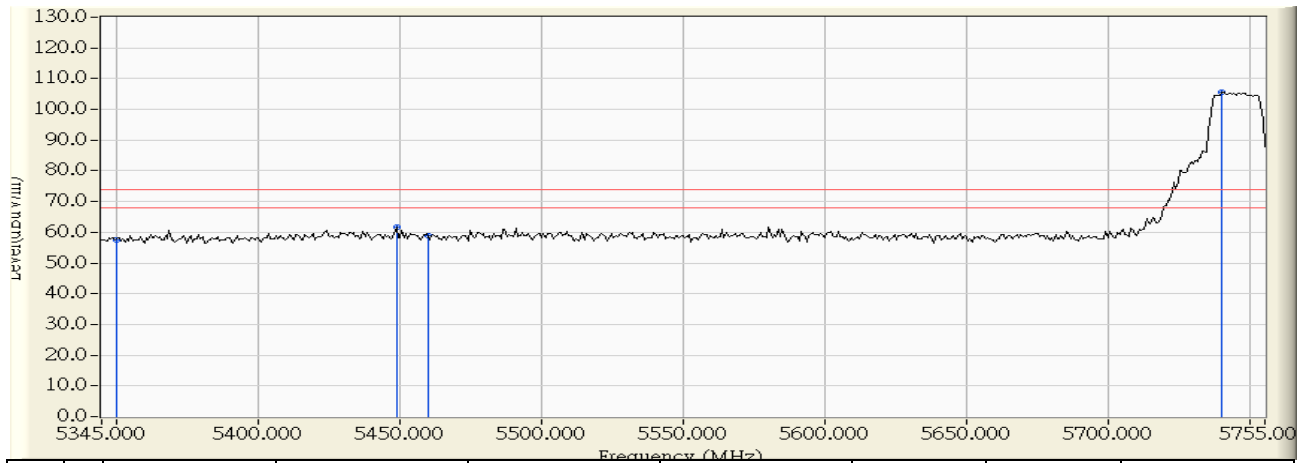


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2435.400	31.359	63.887	95.246	41.246	54.000	AVERAGE
2		2483.500	31.858	17.769	49.627	-4.373	54.000	AVERAGE
3		2500.000	31.988	14.064	46.053	-7.947	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 09:45
Limit : FCC_SpartC_15.247_H_03M_PK	7. Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11a_5745MHz

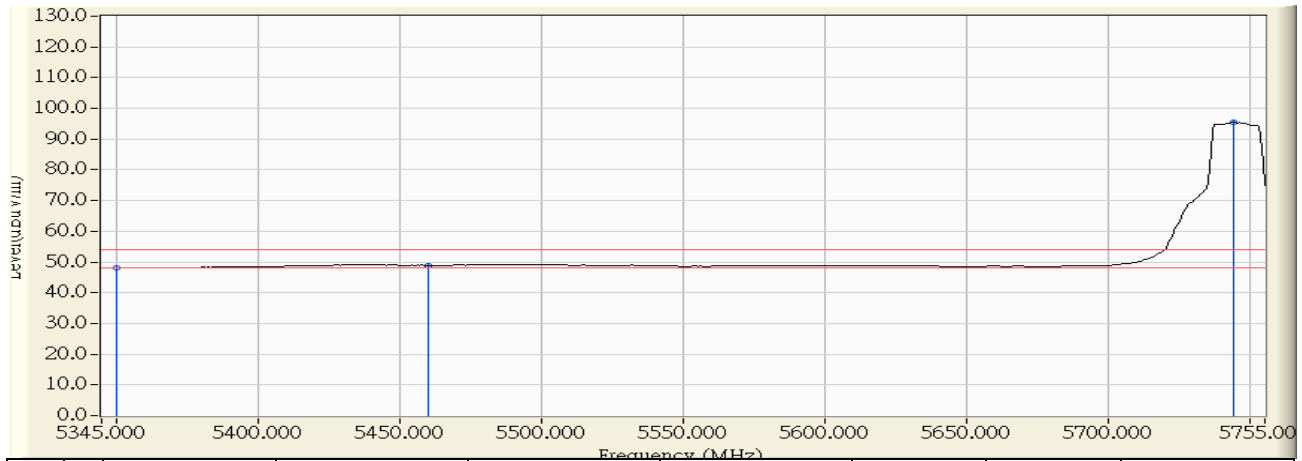


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	54.962	57.488	-16.512	74.000	PEAK
2		5448.867	3.293	58.365	61.658	-12.342	74.000	PEAK
3		5460.000	3.379	55.504	58.883	-15.117	74.000	PEAK
4	*	5739.967	2.763	102.803	105.566	31.566	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 09:46
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11a_5745MHz

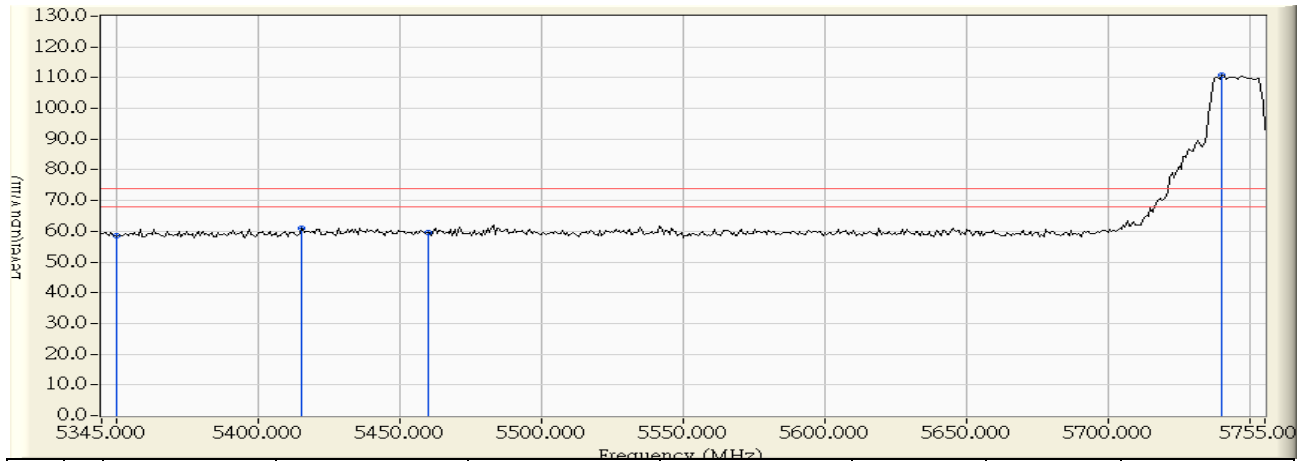


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	45.682	48.208	-5.792	54.000	AVERAGE
2		5460.000	3.379	45.569	48.948	-5.052	54.000	AVERAGE
3	*	5744.067	2.747	92.713	95.460	41.460	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 09:48
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11a_5745MHz

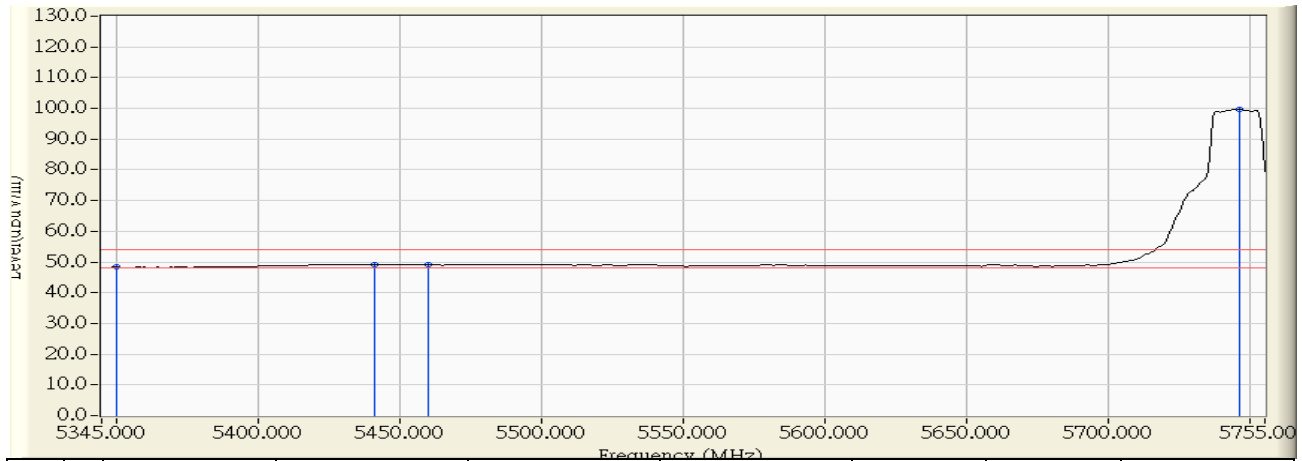


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	55.910	58.436	-15.564	74.000	PEAK
2	5415.383	3.034	57.966	60.999	-13.001	74.000	PEAK
3	5460.000	3.379	56.206	59.585	-14.415	74.000	PEAK
4	* 5739.967	2.763	107.958	110.721	36.721	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 09:49
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11a_5745MHz

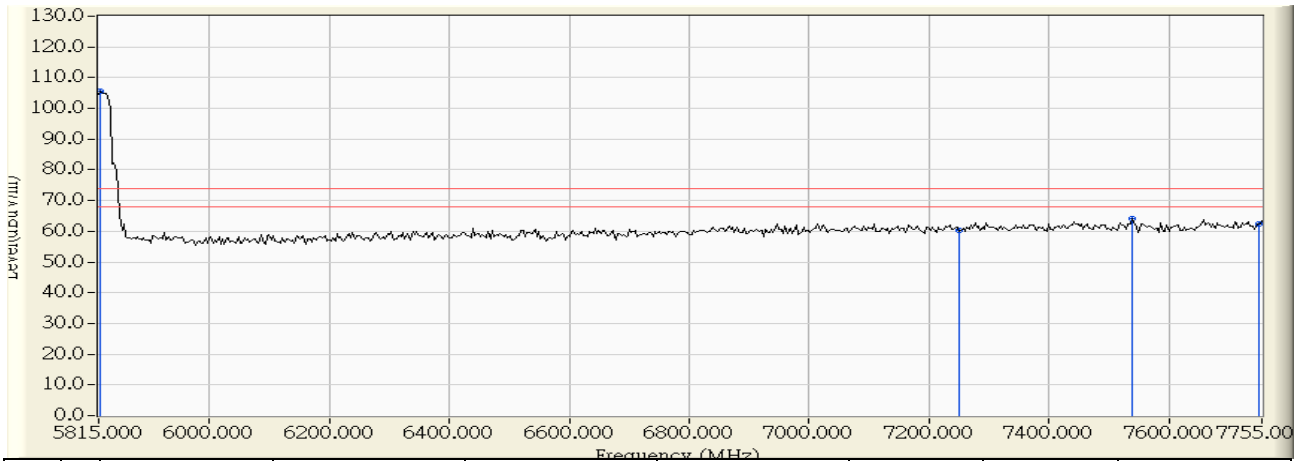


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	45.748	48.274	-5.726	54.000	AVERAGE
2		5441.350	3.235	45.893	49.128	-4.872	54.000	AVERAGE
3		5460.000	3.379	45.631	49.010	-4.990	54.000	AVERAGE
4	*	5746.117	2.740	96.962	99.701	45.701	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 09:52
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11a_5825MHz

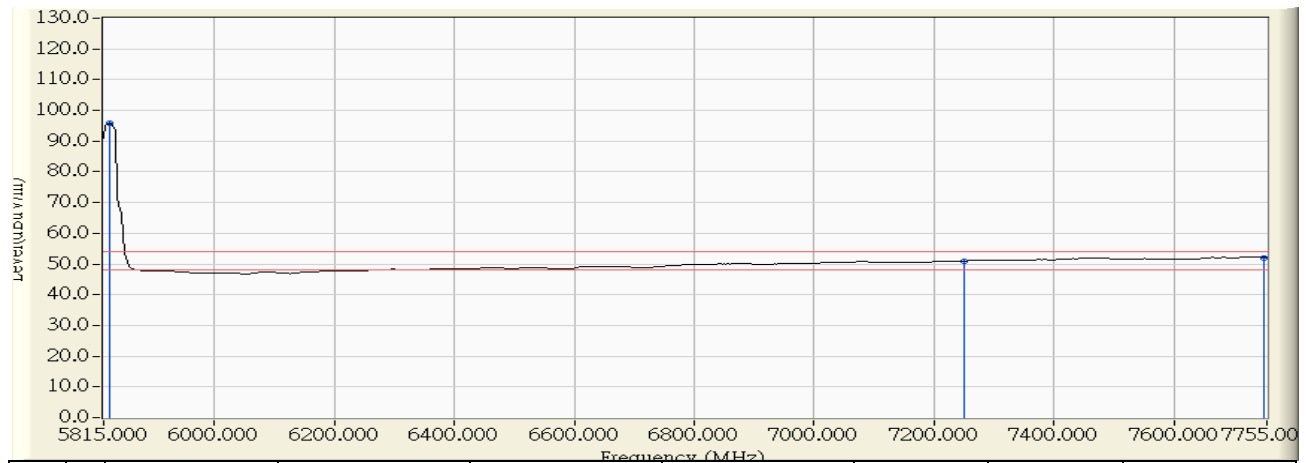


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5818.233	2.461	103.180	105.641	31.641	74.000	PEAK
2		7250.000	5.476	54.799	60.275	-13.725	74.000	PEAK
3		7538.367	6.082	57.938	64.020	-9.980	74.000	PEAK
4		7750.000	6.446	55.822	62.268	-11.732	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 09:55
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11a_5825MHz

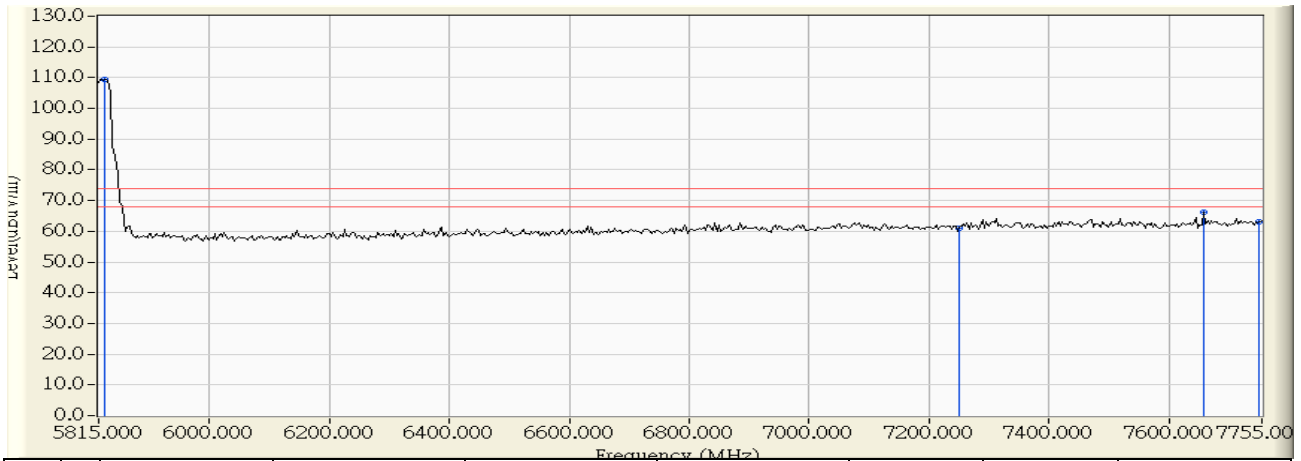


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5824.700	2.436	93.331	95.767	41.767	54.000	AVERAGE
2		7250.000	5.476	45.499	50.975	-3.025	54.000	AVERAGE
3		7750.000	6.446	45.483	51.929	-2.071	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 09:58
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11a_5825MHz

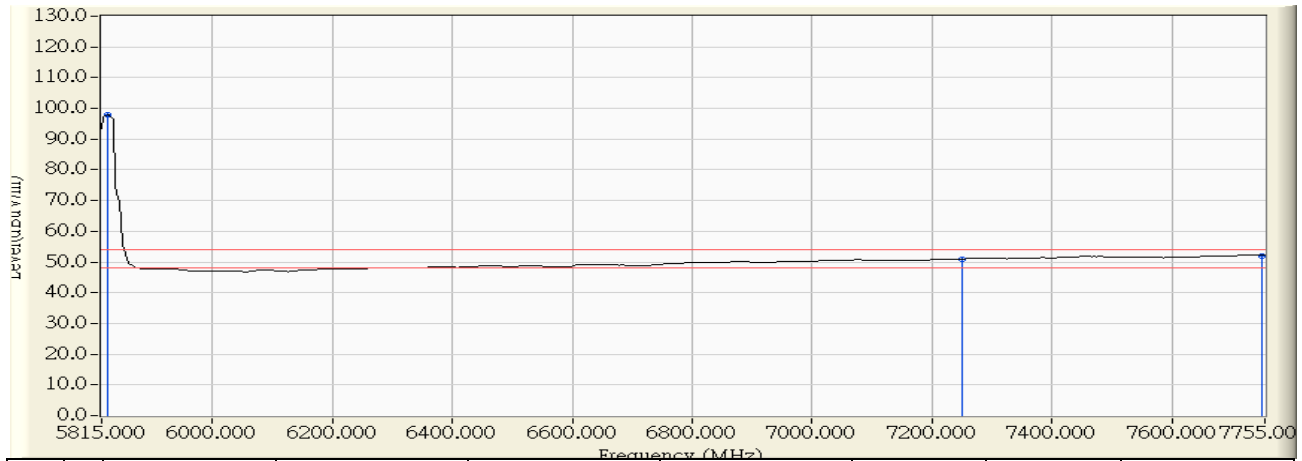


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5824.700	2.436	107.132	109.568	35.568	74.000	PEAK
2		7250.000	5.476	55.589	61.065	-12.935	74.000	PEAK
3		7658.000	6.288	59.793	66.081	-7.919	74.000	PEAK
4		7750.000	6.446	56.617	63.063	-10.937	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 10:01
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11a_5825MHz

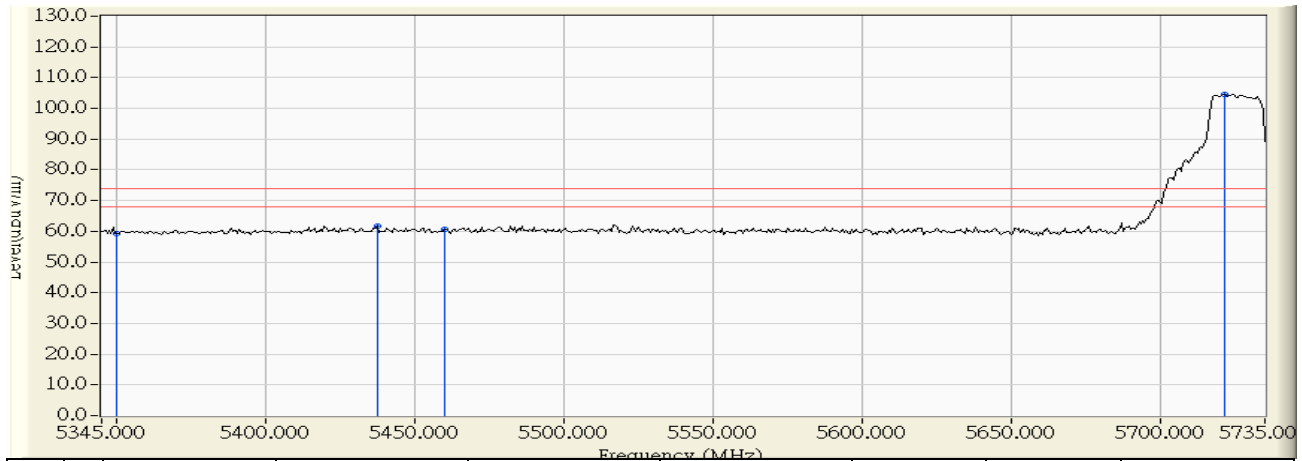


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5824.700	2.436	95.450	97.886	43.886	54.000	AVERAGE
2		7250.000	5.476	45.472	50.948	-3.052	54.000	AVERAGE
3		7750.000	6.446	45.548	51.994	-2.006	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 10:04
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 5745MHz

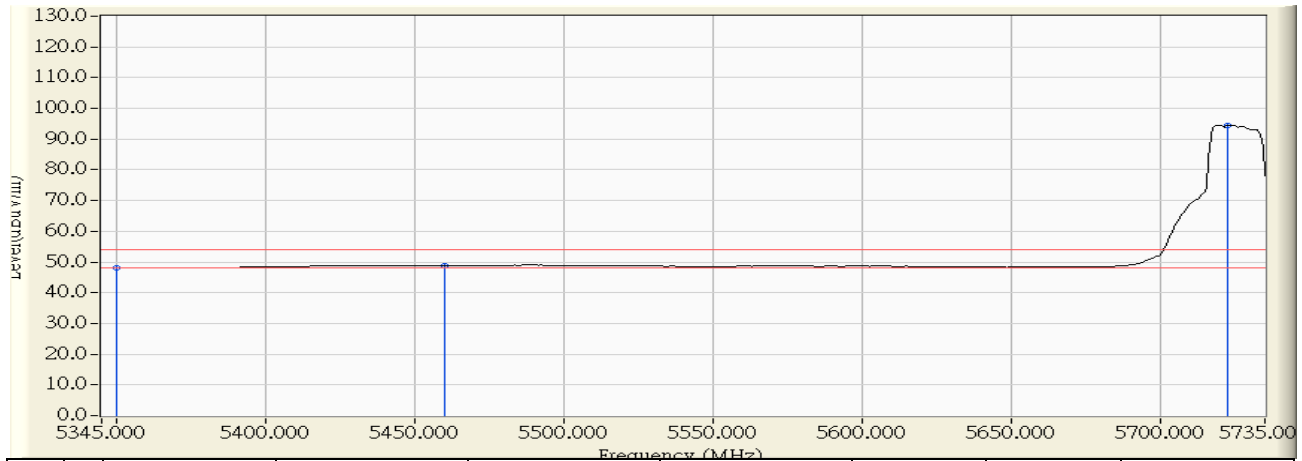


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	56.829	59.355	-14.645	74.000	PEAK
2		5437.300	3.204	58.573	61.776	-12.224	74.000	PEAK
3		5460.000	3.379	57.353	60.732	-13.268	74.000	PEAK
4	*	5721.350	2.835	101.678	104.513	30.513	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 10:05
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 5745MHz

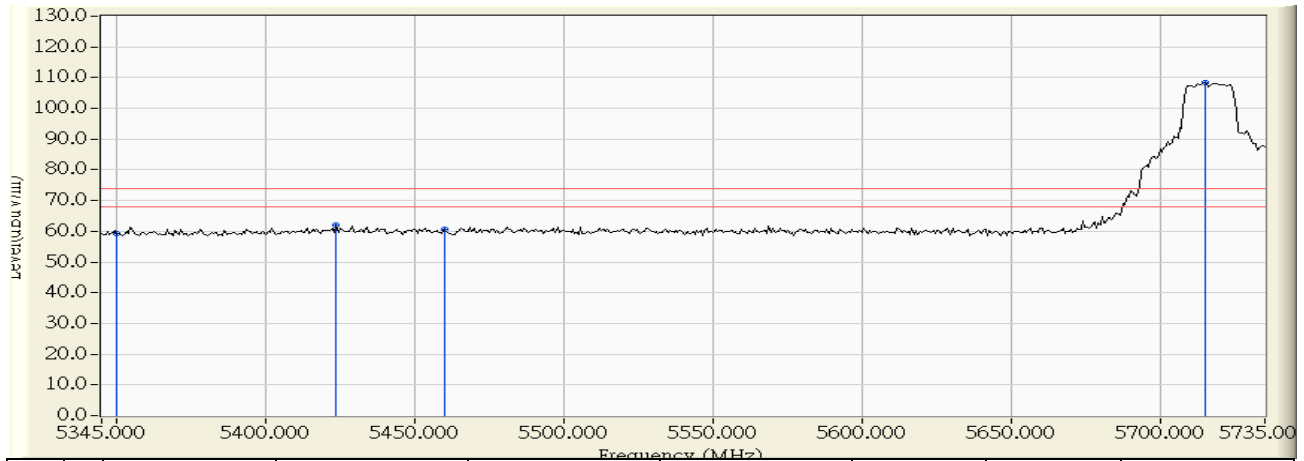


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	45.531	48.057	-5.943	54.000	AVERAGE
2	5460.000	3.379	45.340	48.719	-5.281	54.000	AVERAGE
3	* 5722.650	2.829	91.750	94.580	40.580	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 10:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 5745MHz

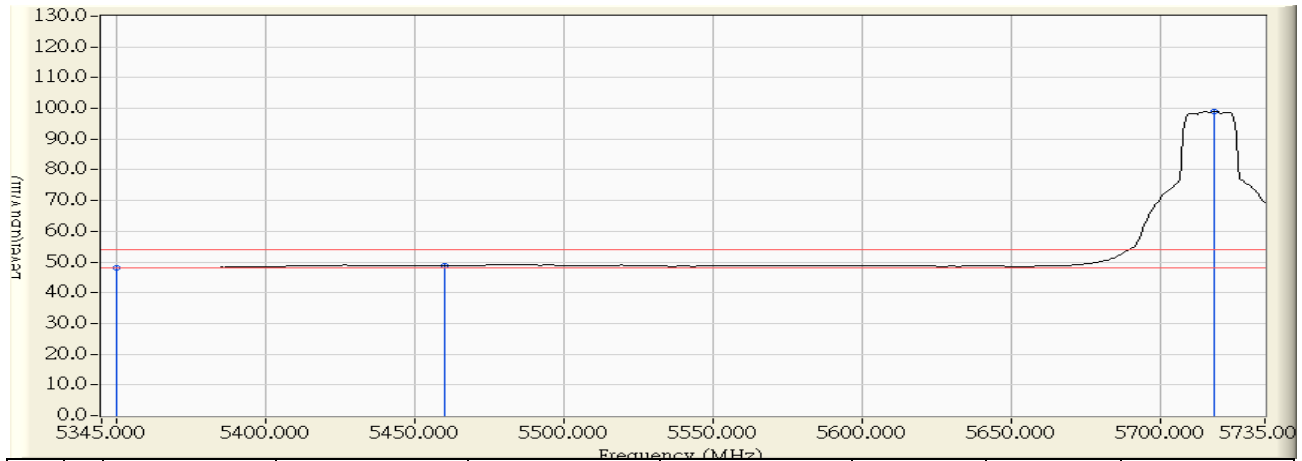


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	56.833	59.359	-14.641	74.000	PEAK
2		5423.650	3.097	59.073	62.170	-11.830	74.000	PEAK
3		5460.000	3.379	57.297	60.676	-13.324	74.000	PEAK
4	*	5714.850	2.860	105.482	108.342	34.342	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 10:08
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 5745MHz

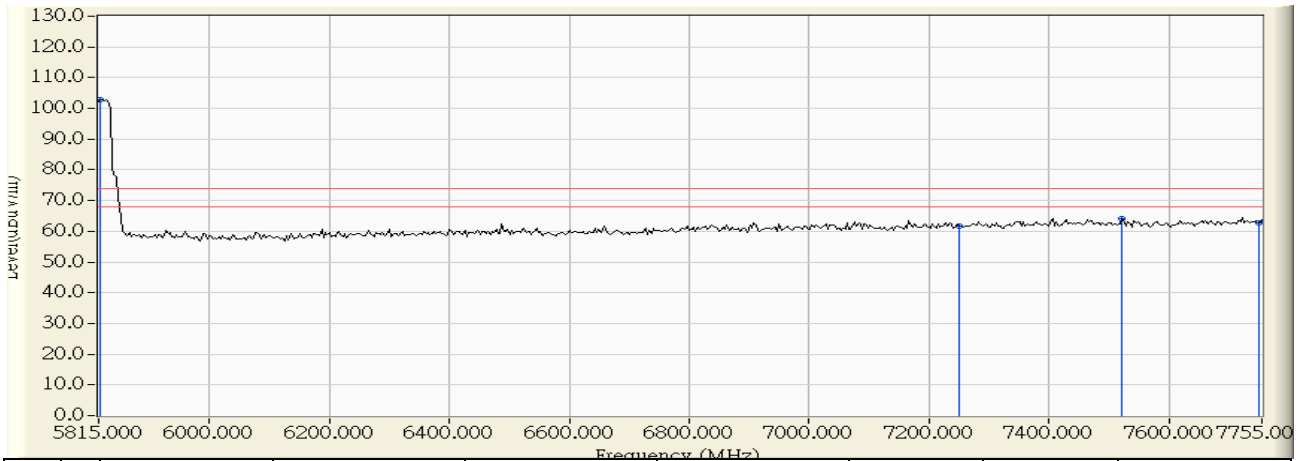


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	45.559	48.085	-5.915	54.000	AVERAGE
2		5460.000	3.379	45.447	48.826	-5.174	54.000	AVERAGE
3	*	5718.100	2.848	96.117	98.964	44.964	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 10:10
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 5825MHz

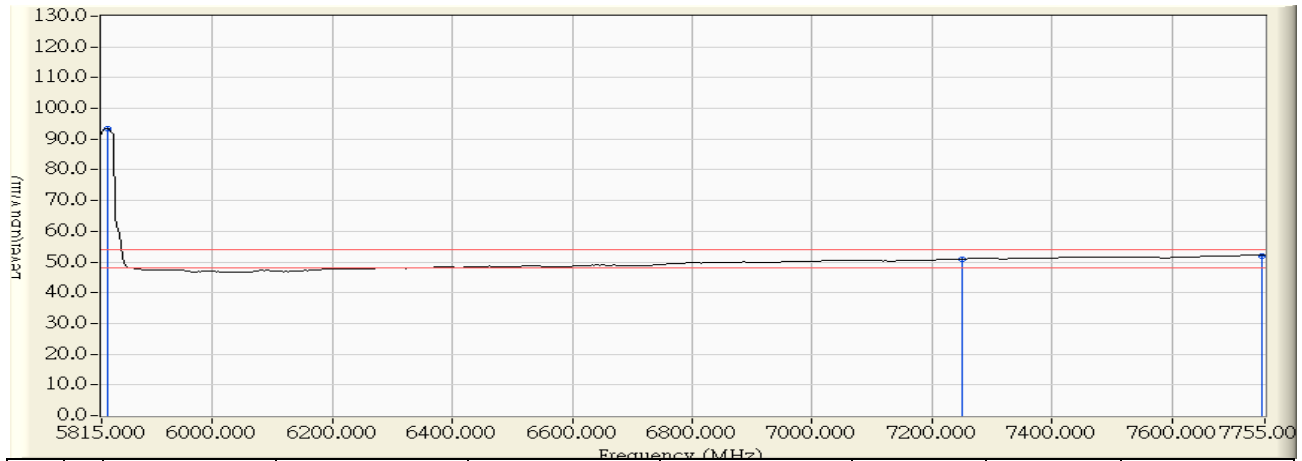


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5818.233	2.461	100.423	102.884	28.884	74.000	PEAK
2		7250.000	5.476	56.385	61.861	-12.139	74.000	PEAK
3		7522.200	6.055	58.234	64.288	-9.712	74.000	PEAK
4		7750.000	6.446	56.186	62.632	-11.368	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 10:15
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 5825MHz

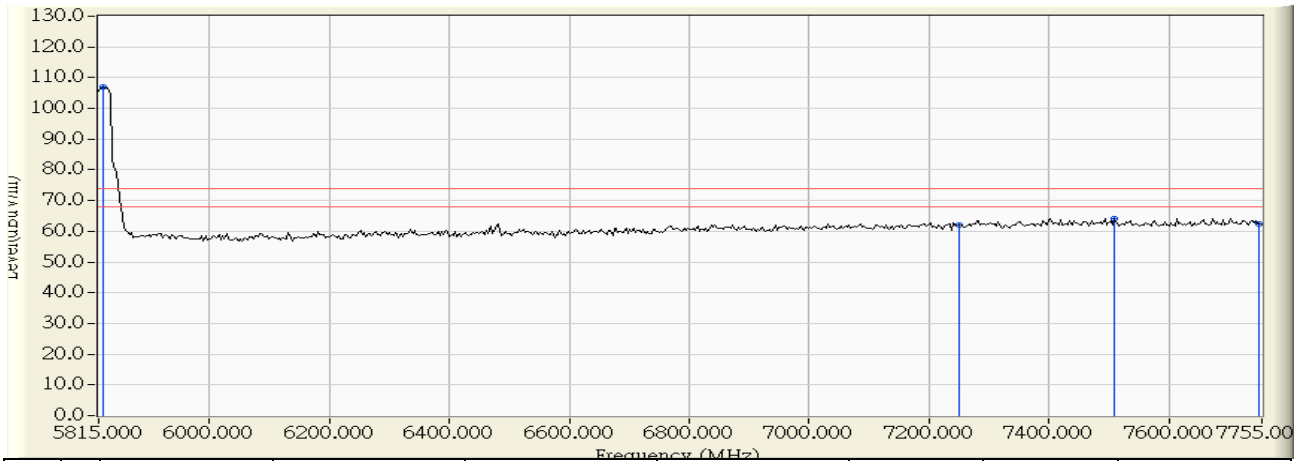


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5824.700	2.436	90.958	93.394	39.394	54.000	AVERAGE
2		7250.000	5.476	45.383	50.859	-3.141	54.000	AVERAGE
3		7750.000	6.446	45.489	51.935	-2.065	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 10:18
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 5825MHz

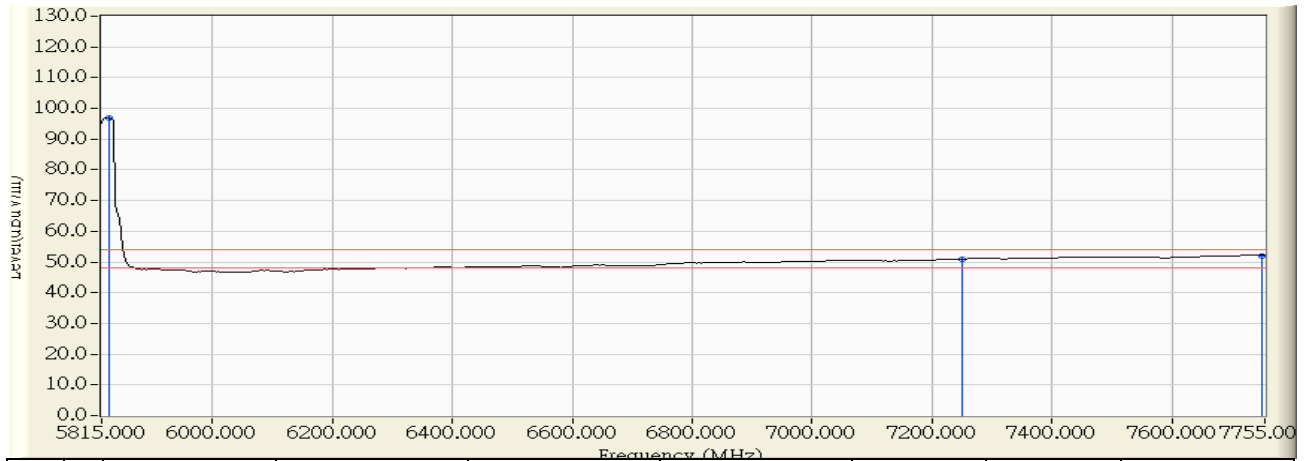


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5821.467	2.449	104.441	106.890	32.890	74.000	PEAK
2		7250.000	5.476	56.666	62.142	-11.858	74.000	PEAK
3		7509.267	6.032	58.224	64.256	-9.744	74.000	PEAK
4		7750.000	6.446	55.893	62.339	-11.661	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 10:20
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 5825MHz

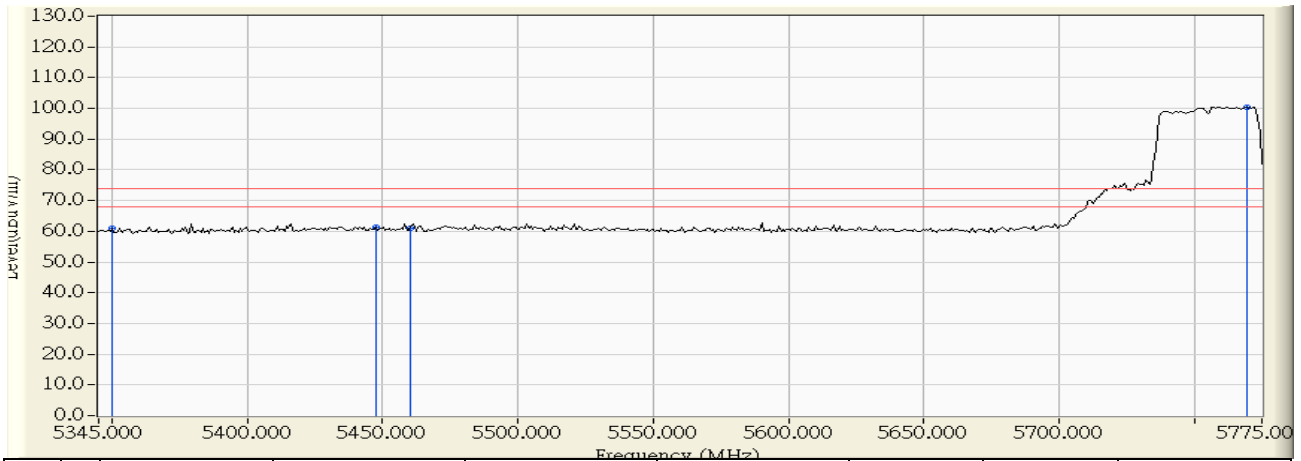


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5827.933	2.424	94.592	97.016	43.016	54.000	AVERAGE
2		7250.000	5.476	45.383	50.859	-3.141	54.000	AVERAGE
3		7750.000	6.446	45.469	51.915	-2.085	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 10:25
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 5755MHz

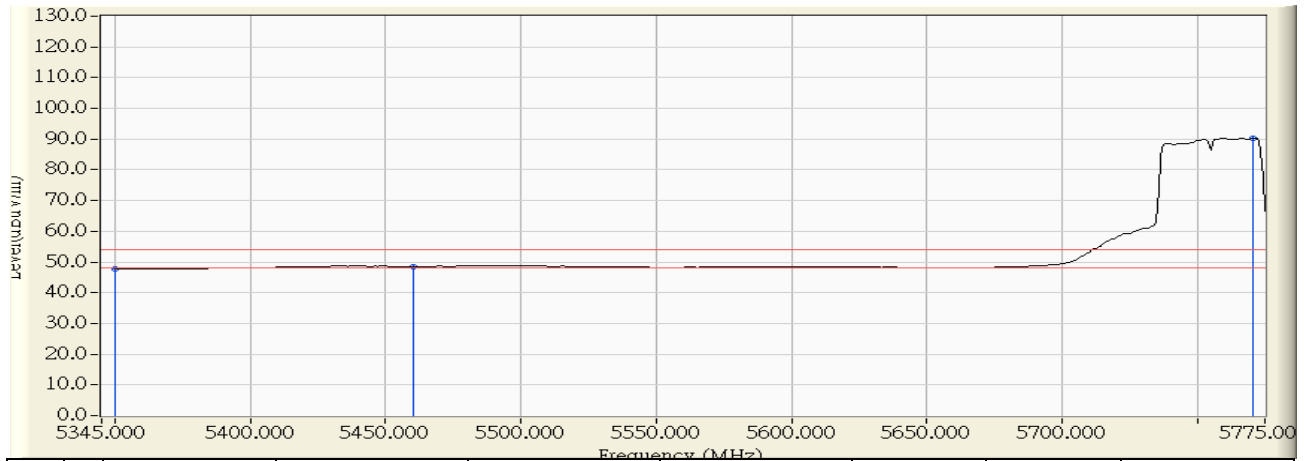


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	58.519	61.045	-12.955	74.000	PEAK
2	5447.483	3.282	57.897	61.179	-12.821	74.000	PEAK
3	5460.000	3.379	57.606	60.985	-13.015	74.000	PEAK
4	* 5769.267	2.650	97.720	100.370	26.370	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 10:26
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 5755MHz

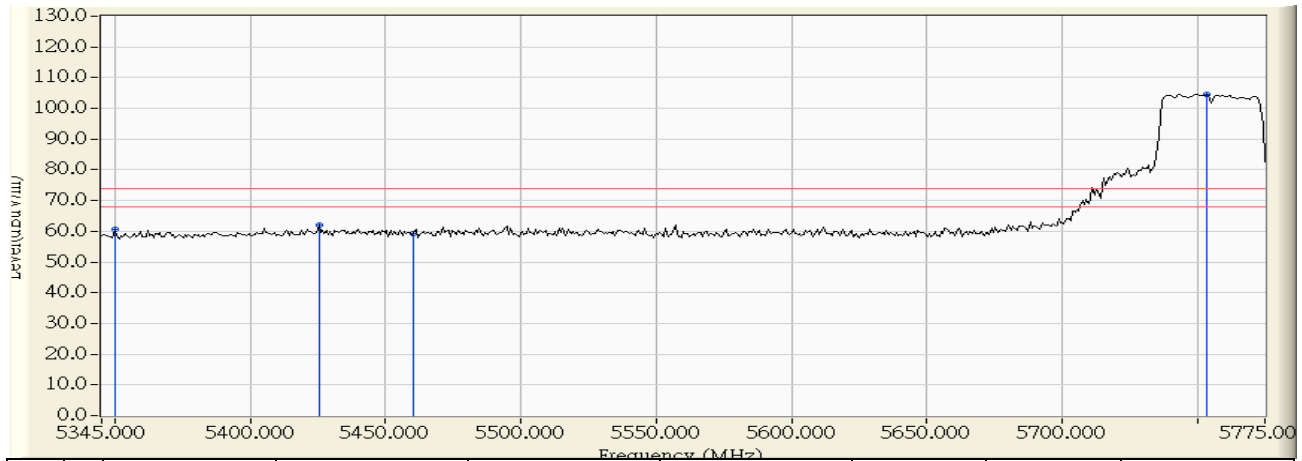


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	45.312	47.838	-6.162	54.000	AVERAGE
2	5460.000	3.379	45.185	48.564	-5.436	54.000	AVERAGE
3	* 5770.700	2.644	87.753	90.398	36.398	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 10:28
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 5755MHz

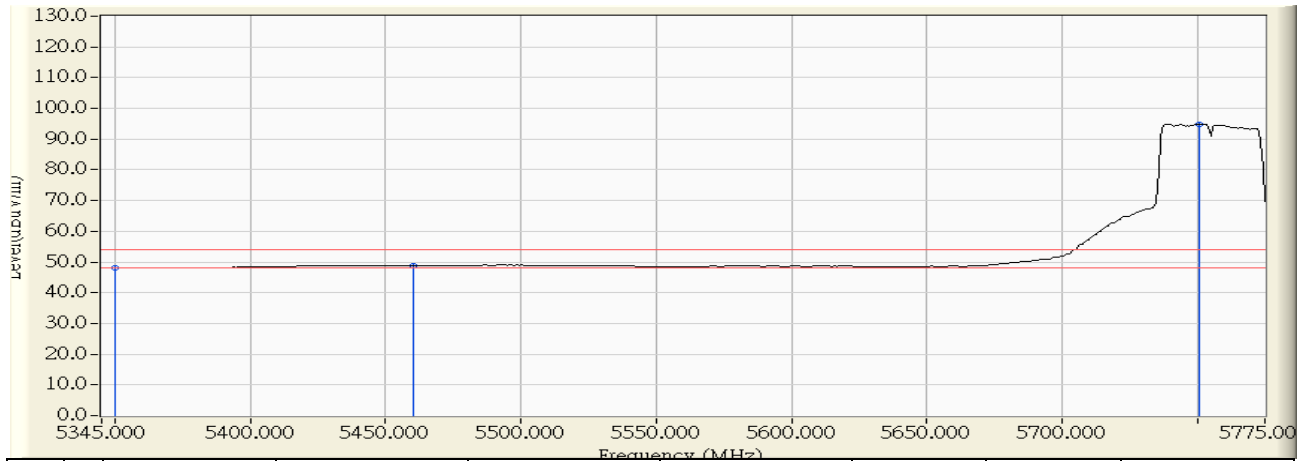


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	58.177	60.703	-13.297	74.000	PEAK
2		5425.267	3.110	58.890	62.000	-12.000	74.000	PEAK
3		5460.000	3.379	55.739	59.118	-14.882	74.000	PEAK
4	*	5753.500	2.711	102.012	104.723	30.723	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 10:28
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 5755MHz

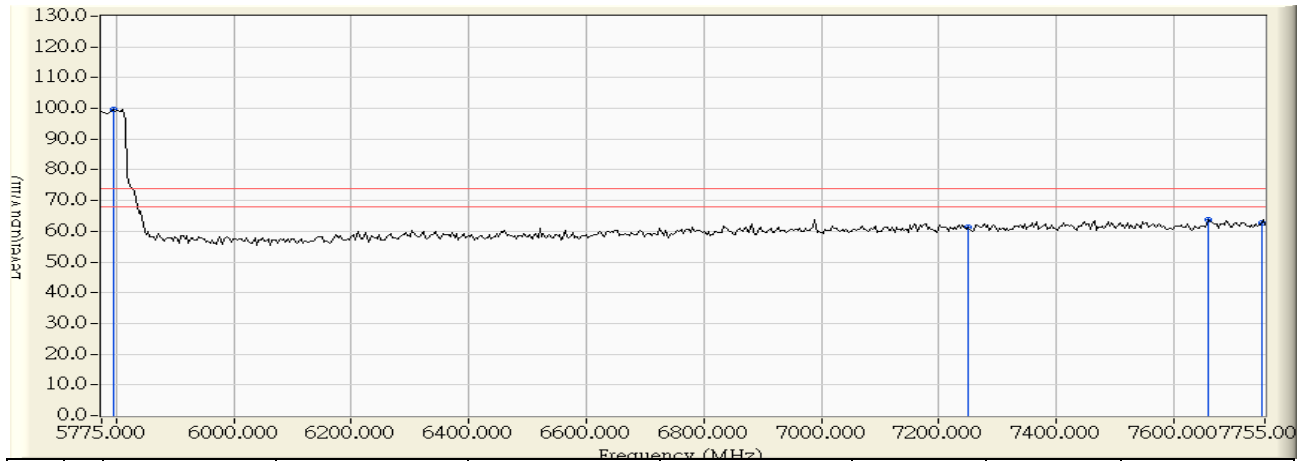


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	45.508	48.034	-5.966	54.000	AVERAGE
2		5460.000	3.379	45.353	48.732	-5.268	54.000	AVERAGE
3	*	5750.633	2.721	92.117	94.839	40.839	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 10:31
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 5795MHz

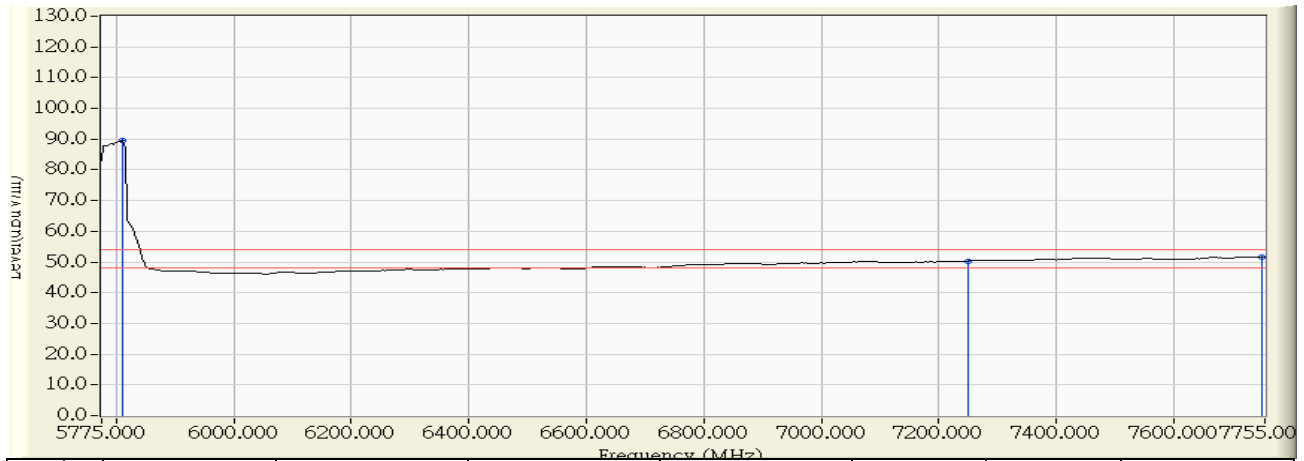


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5794.800	2.552	97.146	99.698	25.698	74.000	PEAK
2		7250.000	5.476	55.933	61.409	-12.591	74.000	PEAK
3		7659.300	6.290	57.464	63.754	-10.246	74.000	PEAK
4		7750.000	6.446	56.414	62.860	-11.140	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 10:35
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 5795MHz

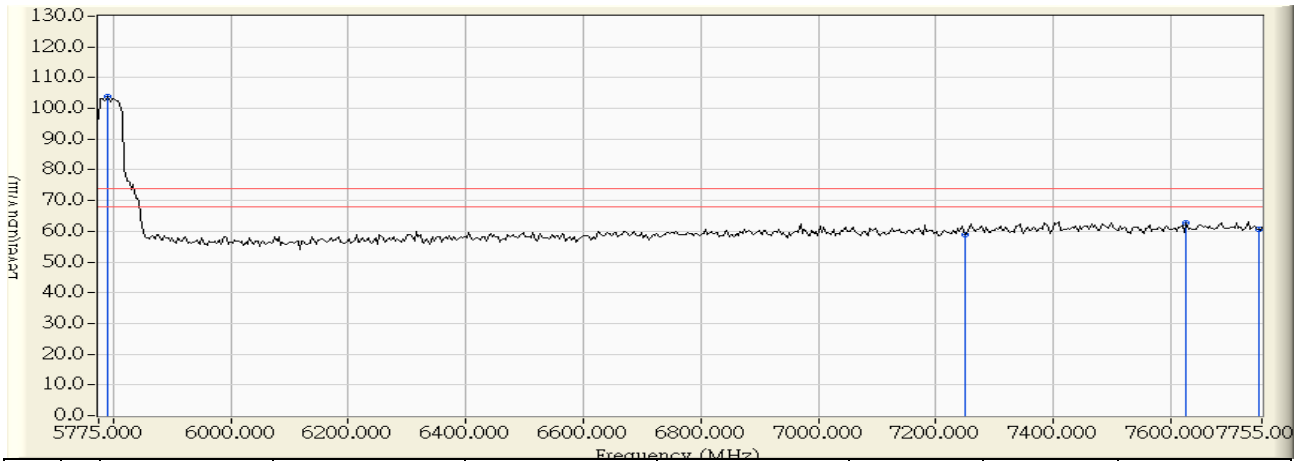


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5811.300	2.488	87.106	89.594	35.594	54.000	AVERAGE
2		7250.000	5.476	44.877	50.353	-3.647	54.000	AVERAGE
3		7750.000	6.446	45.240	51.686	-2.314	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 10:39
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 5795MHz

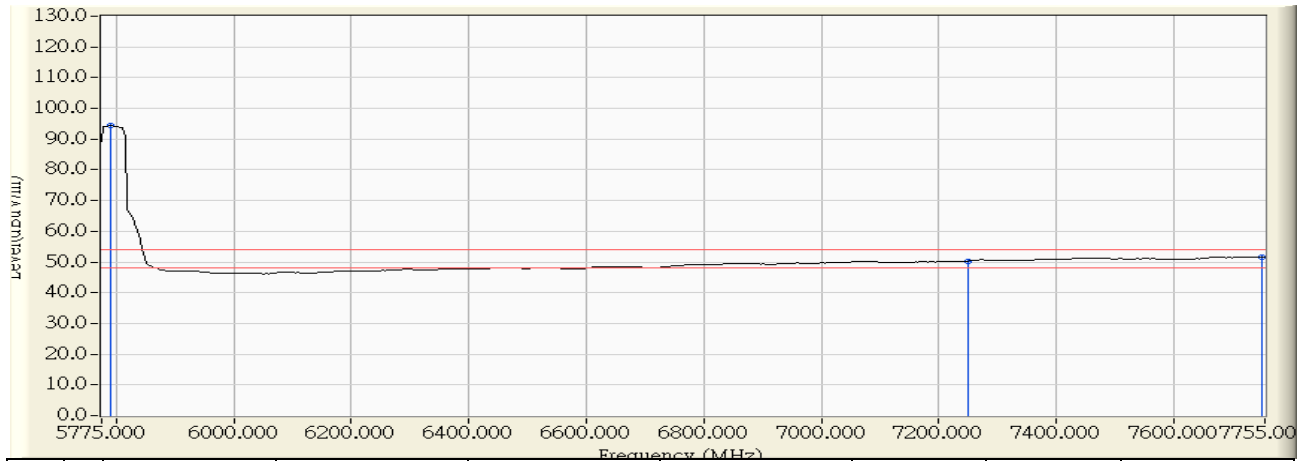


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5791.500	2.564	101.239	103.803	29.803	74.000	PEAK
2		7250.000	5.476	53.507	58.983	-15.017	74.000	PEAK
3		7626.300	6.234	56.477	62.710	-11.290	74.000	PEAK
4		7750.000	6.446	54.032	60.478	-13.522	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 10:41
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 5795MHz

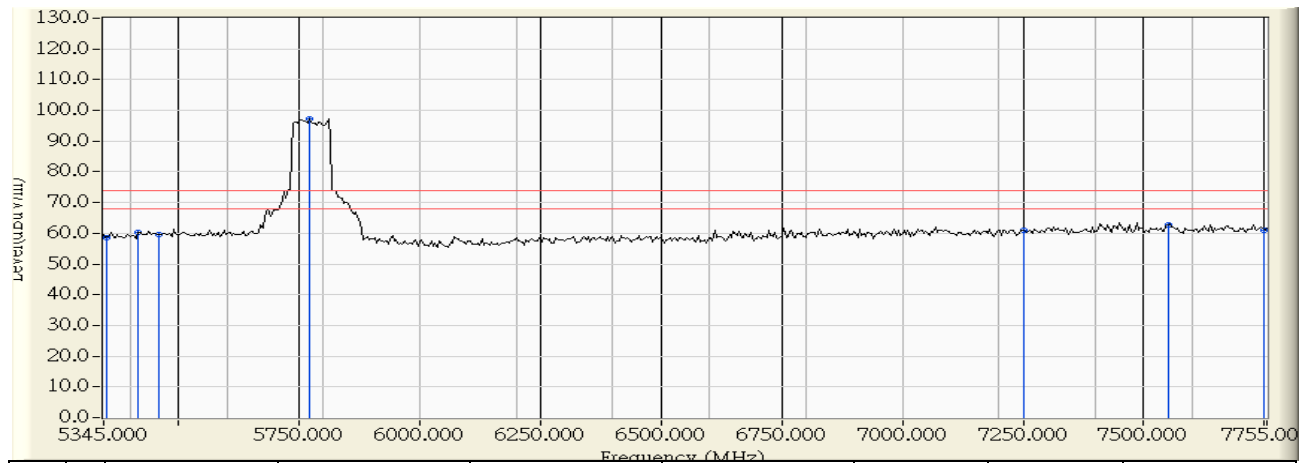


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5791.500	2.564	91.859	94.423	40.423	54.000	AVERAGE
2		7250.000	5.476	44.865	50.341	-3.659	54.000	AVERAGE
3		7750.000	6.446	45.272	51.718	-2.282	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 10:44
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11ac80MHz_5775MHz

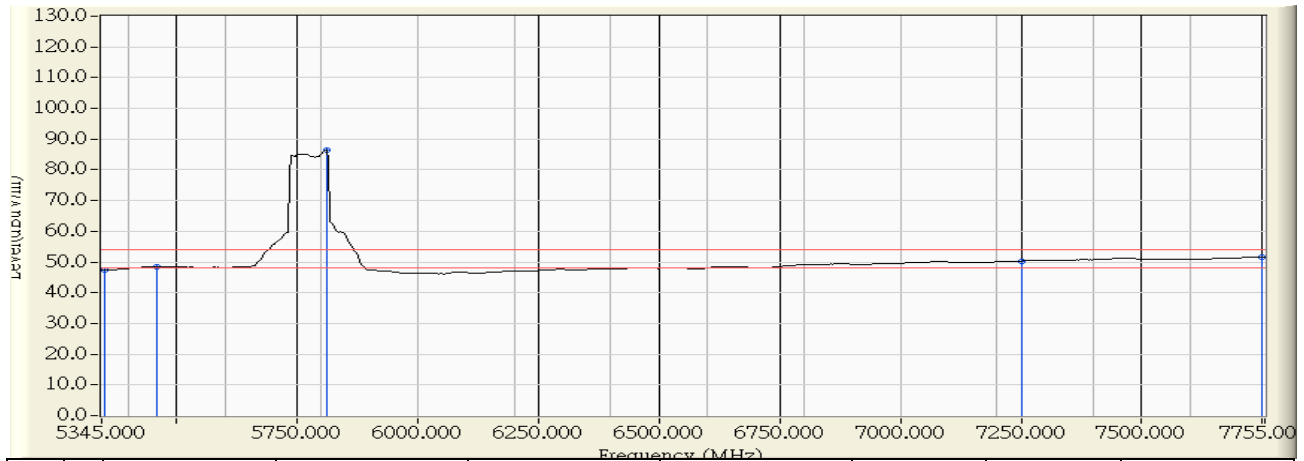


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	56.005	58.531	-15.469	74.000	PEAK
2	5417.300	3.049	57.180	60.228	-13.772	74.000	PEAK
3	5460.000	3.379	56.078	59.457	-14.543	74.000	PEAK
4	* 5770.767	2.644	94.628	97.272	23.272	74.000	PEAK
5	7250.000	5.476	55.654	61.130	-12.870	74.000	PEAK
6	7550.150	6.102	56.741	62.843	-11.157	74.000	PEAK
7	7750.000	6.446	54.647	61.093	-12.907	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 10:49
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11ac80_5775MHz

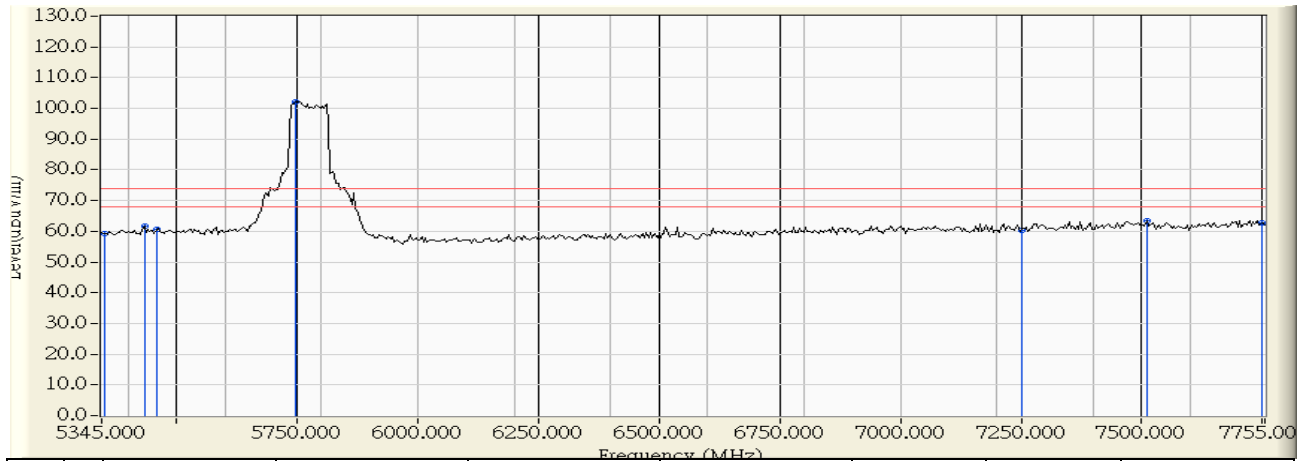


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	44.998	47.524	-6.476	54.000	AVERAGE
2	5460.000	3.379	44.920	48.299	-5.701	54.000	AVERAGE
3	* 5810.933	2.489	83.937	86.426	32.426	54.000	AVERAGE
4	7250.000	5.476	44.773	50.249	-3.751	54.000	AVERAGE
5	7750.000	6.446	45.184	51.630	-2.370	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/10/01 - 10:51
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11ac80MHz_5775MHz

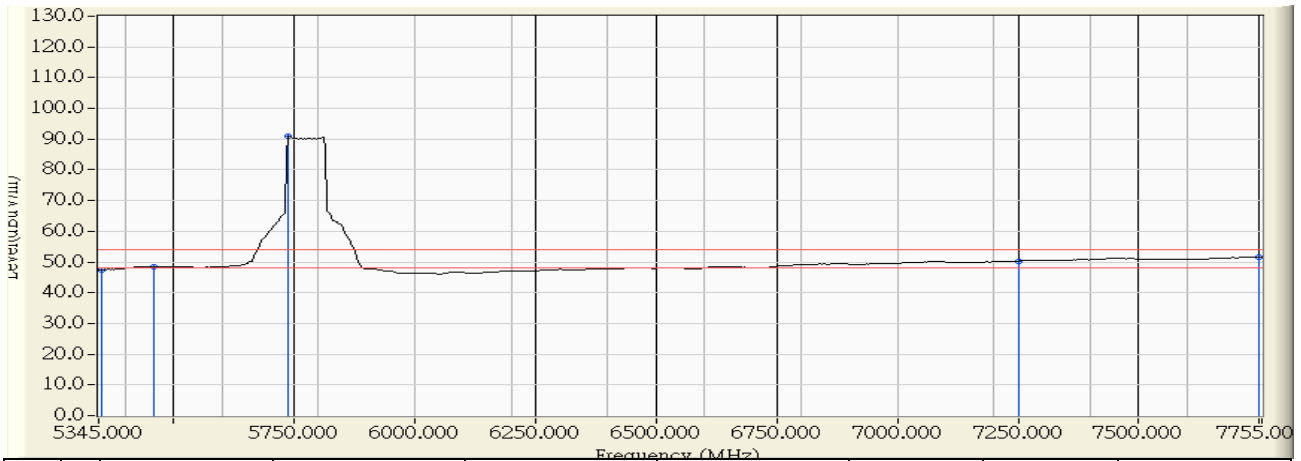


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	56.672	59.198	-14.802	74.000	PEAK
2	5433.367	3.172	58.507	61.680	-12.320	74.000	PEAK
3	5460.000	3.379	57.164	60.543	-13.457	74.000	PEAK
4	* 5746.667	2.737	99.376	102.113	28.113	74.000	PEAK
5	7250.000	5.476	54.830	60.306	-13.694	74.000	PEAK
6	7509.983	6.033	57.470	63.503	-10.497	74.000	PEAK
7	7750.000	6.446	56.319	62.765	-11.235	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/10/01 - 10:56
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11ac80_5775MHz



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	45.045	47.571	-6.429	54.000	AVERAGE
2	5460.000	3.379	45.012	48.391	-5.609	54.000	AVERAGE
3	* 5738.633	2.768	88.180	90.948	36.948	54.000	AVERAGE
4	7250.000	5.476	44.782	50.258	-3.742	54.000	AVERAGE
5	7750.000	6.446	45.211	51.657	-2.343	54.000	AVERAGE

Note:

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

8. Occupied Bandwidth

8.1. Test Equipment

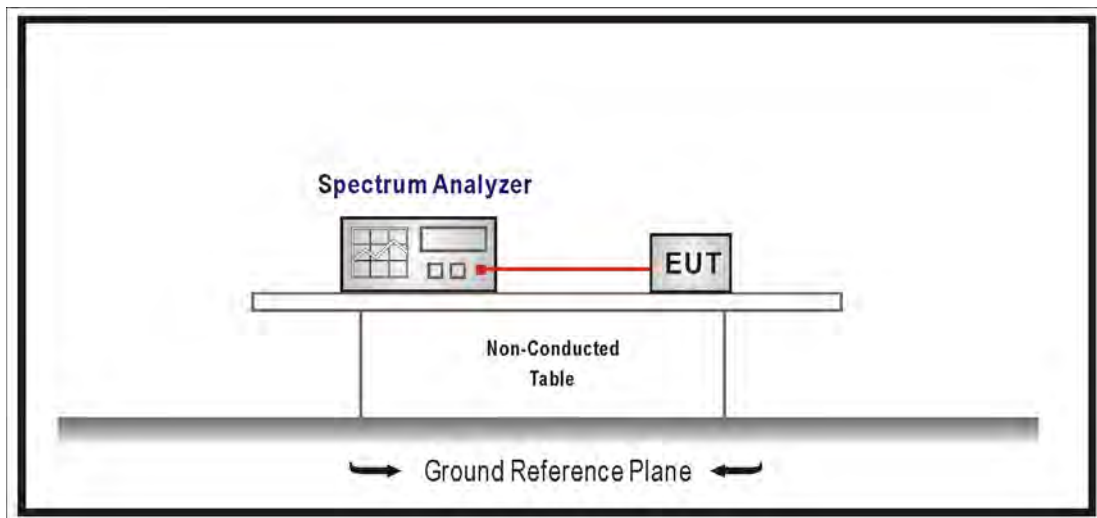
The following test equipments are used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2014/08/05

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

8.2. Test Setup



8.3. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 1% of EBW, Span greater than RBW.

8.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2012

8.6. Uncertainty

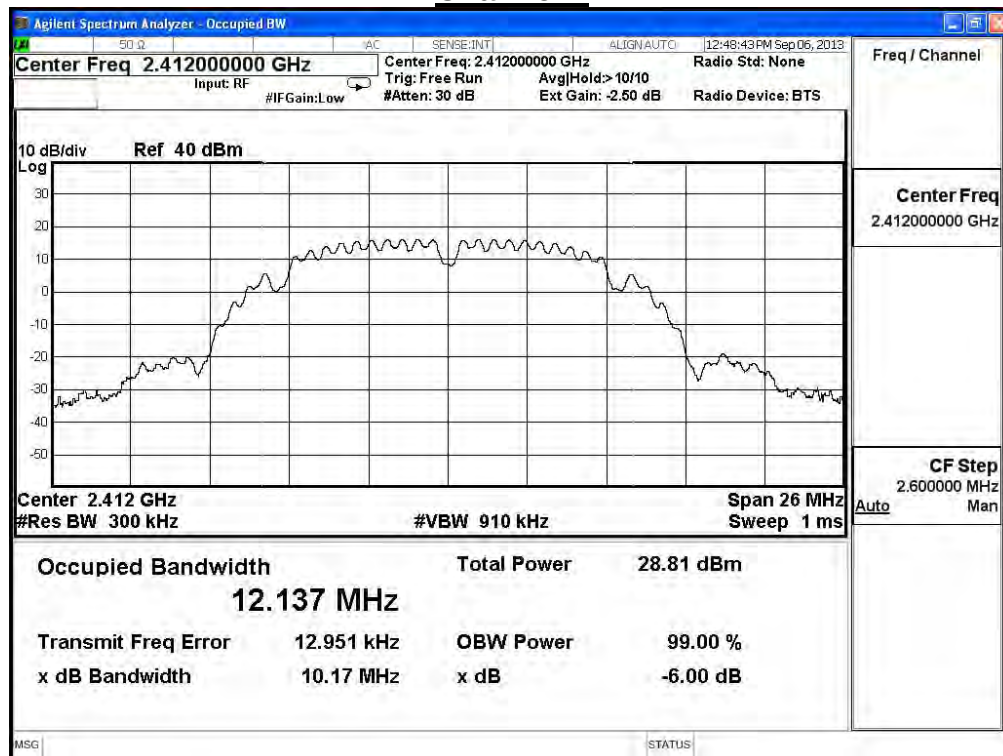
The measurement uncertainty is defined as $\pm 150\text{Hz}$

8.7. Test Result

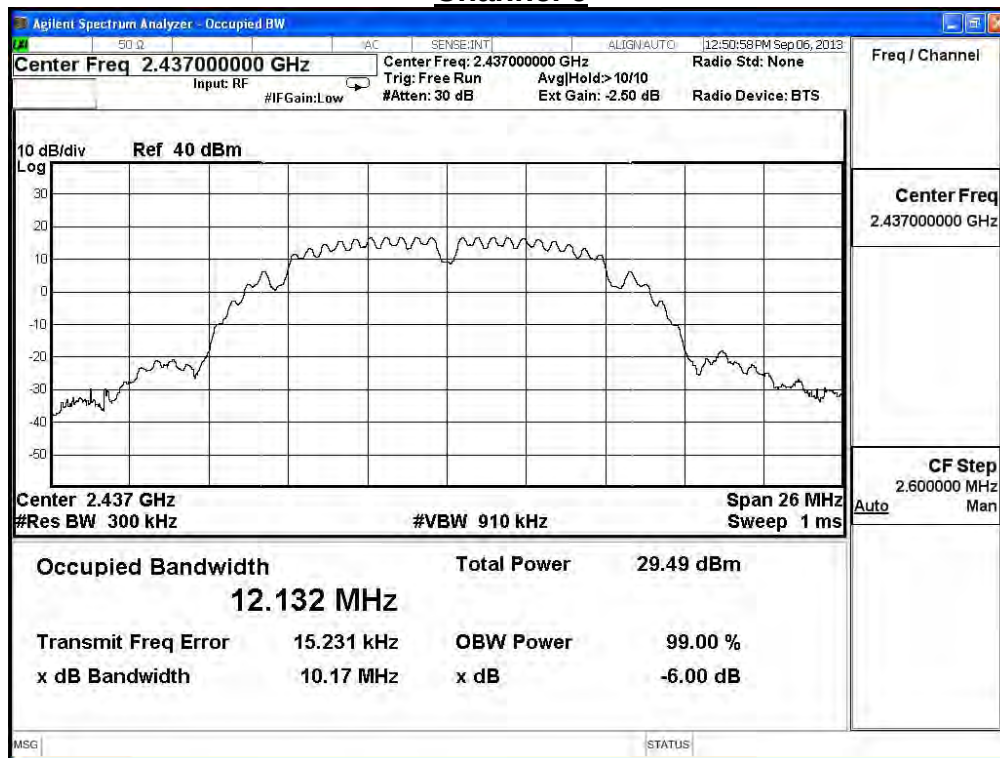
Product	802.11ac Dual Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

802.11 b				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	10.17	≥ 0.5	Pass
6	2437	10.17	≥ 0.5	Pass
11	2462	10.17	≥ 0.5	Pass

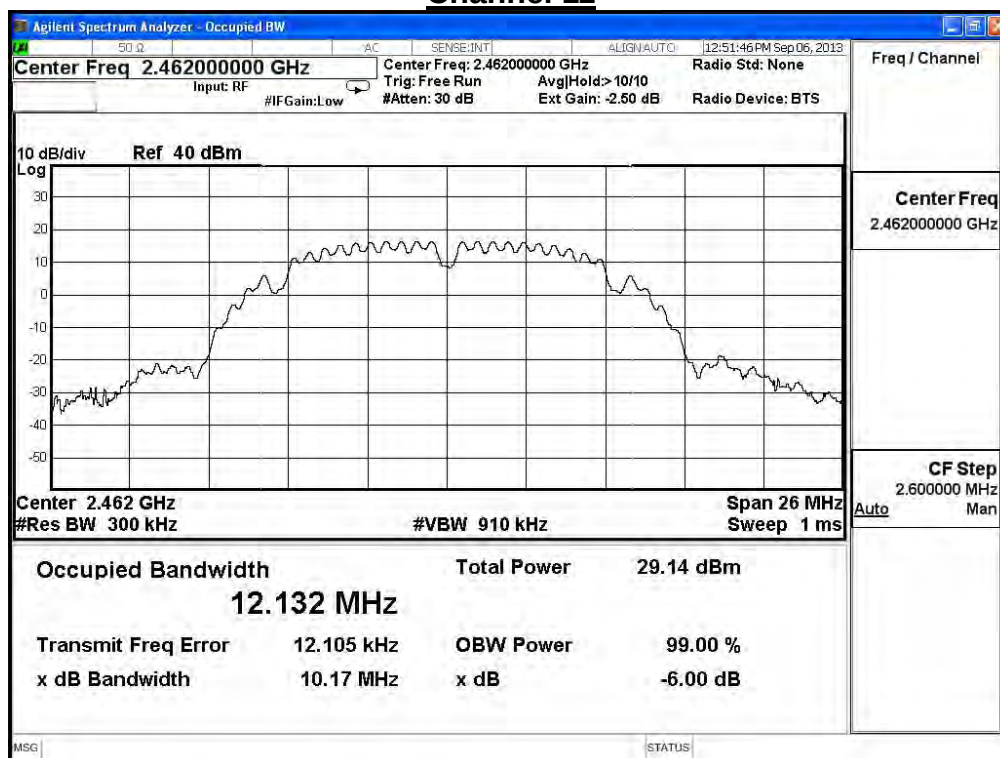
Channel 1



Channel 6



Channel 11

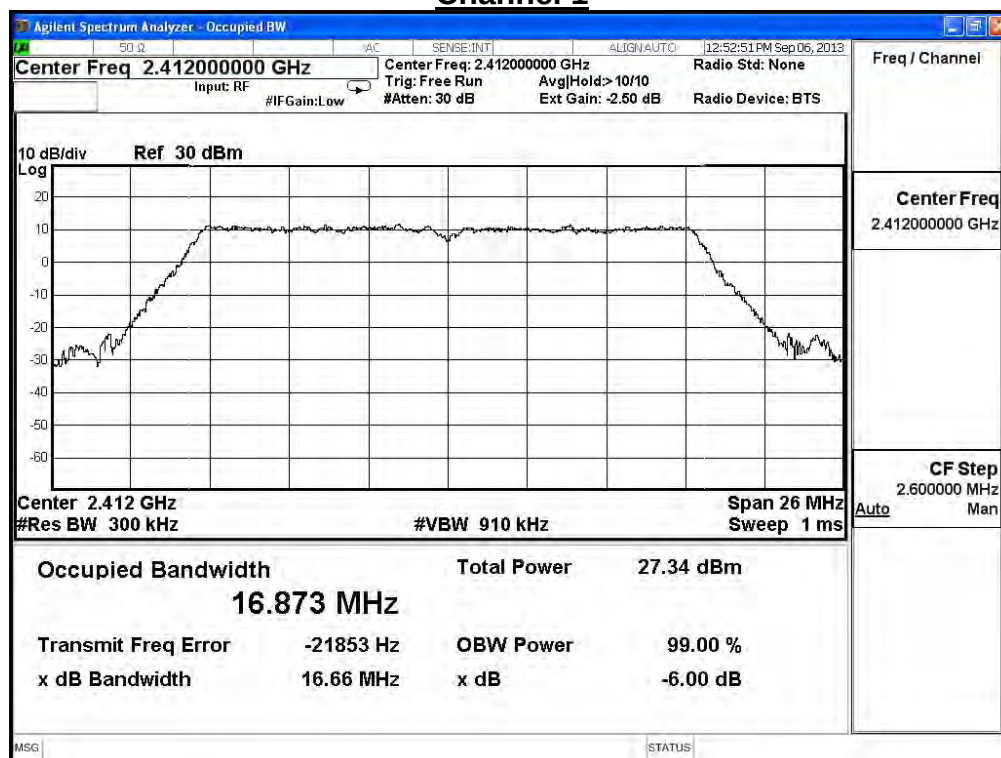


Product	802.11ac Dual Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

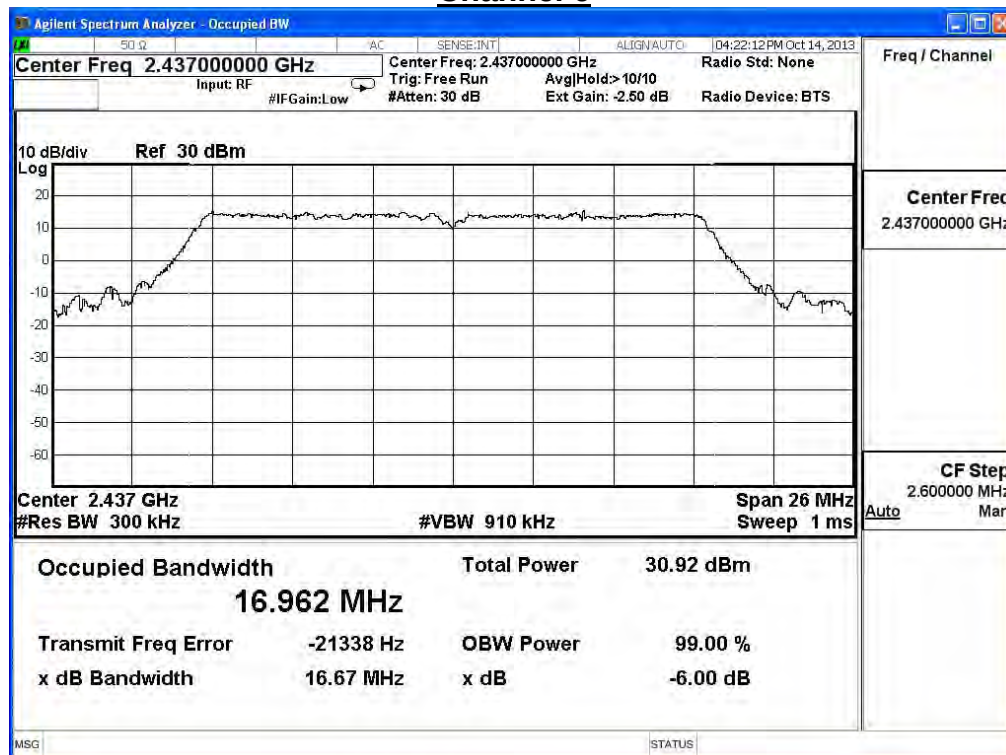
IEEE 802.11g

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	16.66	≥ 0.5	Pass
6	2437	16.67	≥ 0.5	Pass
11	2462	16.66	≥ 0.5	Pass

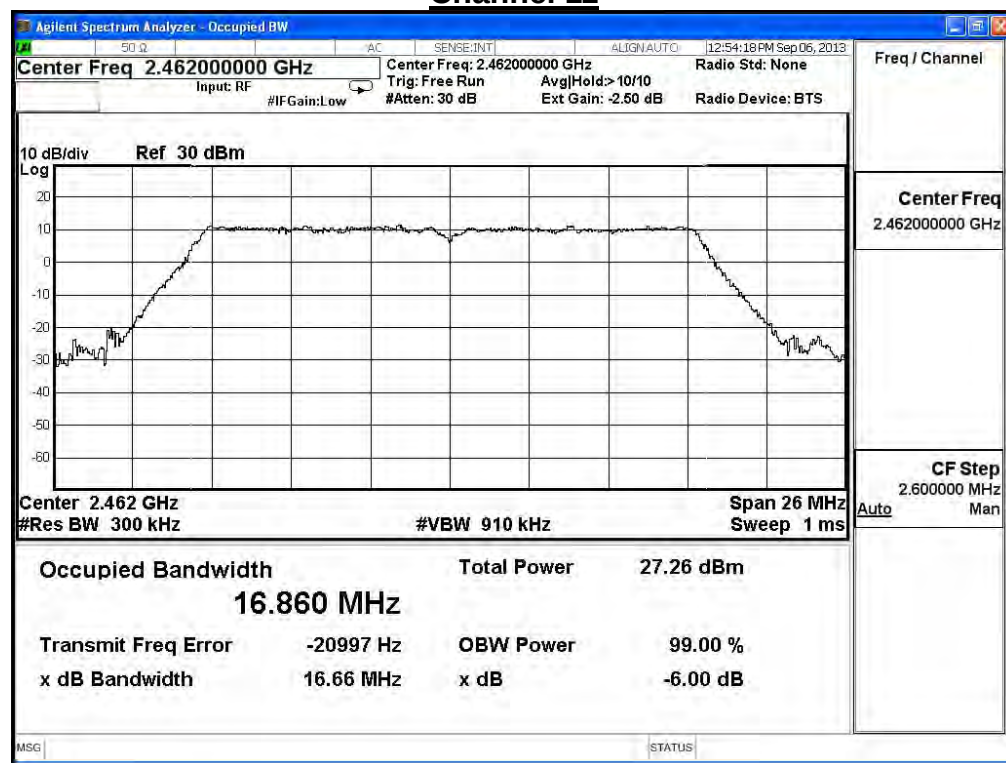
Channel 1



Channel 6



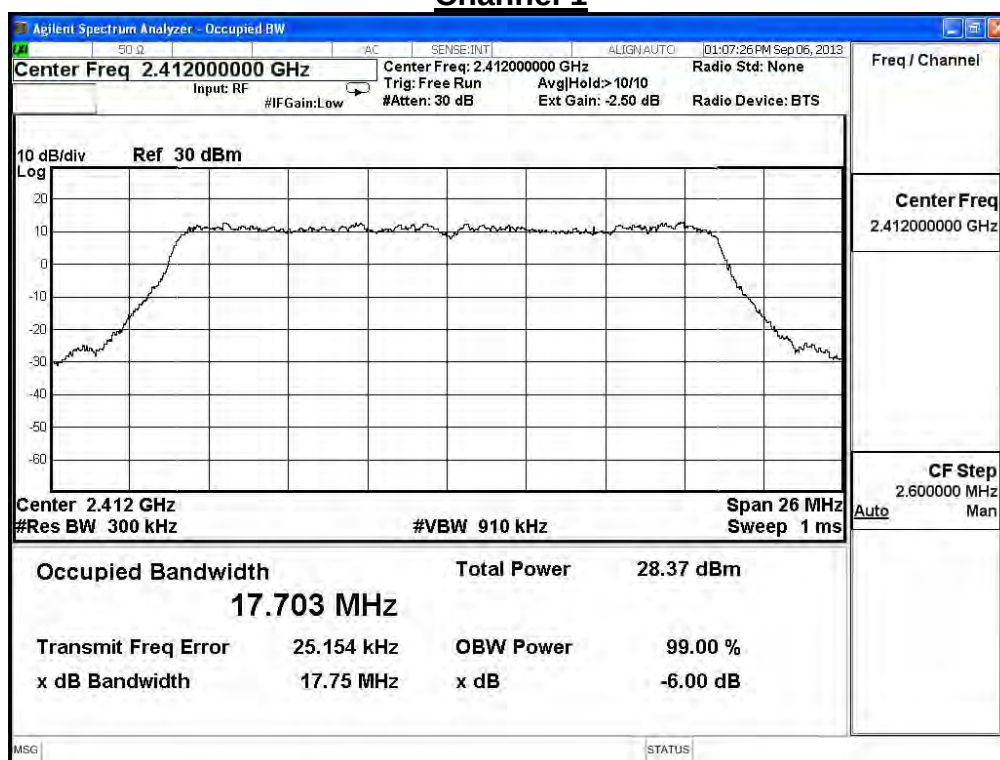
Channel 11



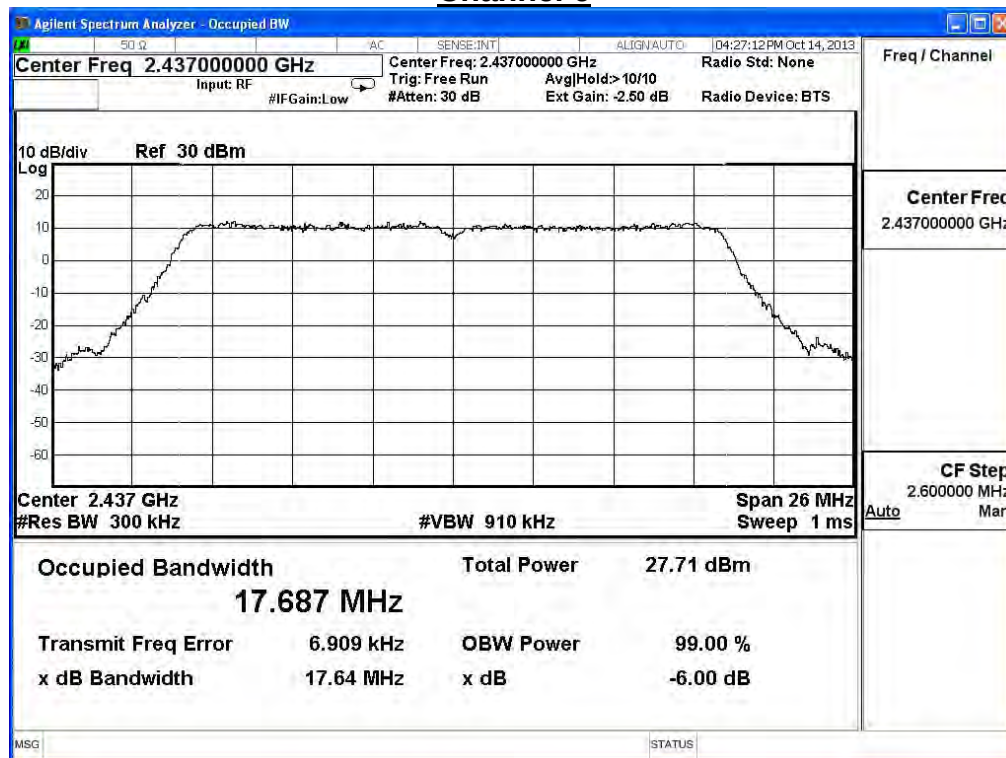
Product	802.11ac Dual Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	17.75	≥ 0.5	Pass
6	2437	17.64	≥ 0.5	Pass
11	2462	17.64	≥ 0.5	Pass

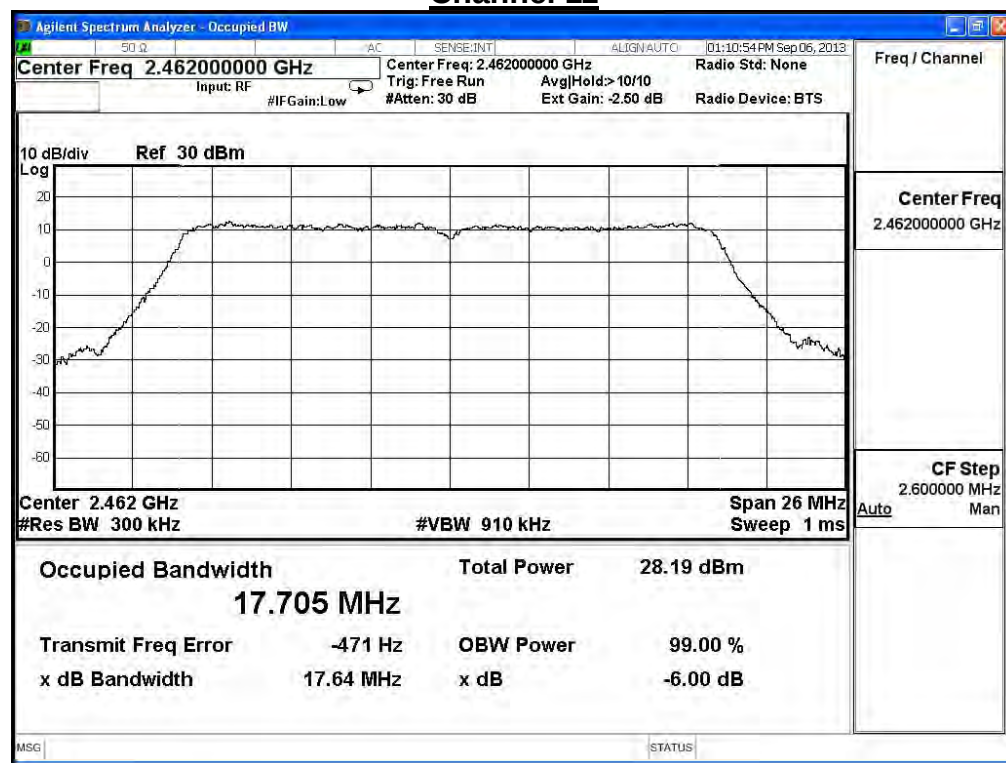
Channel 1



Channel 6



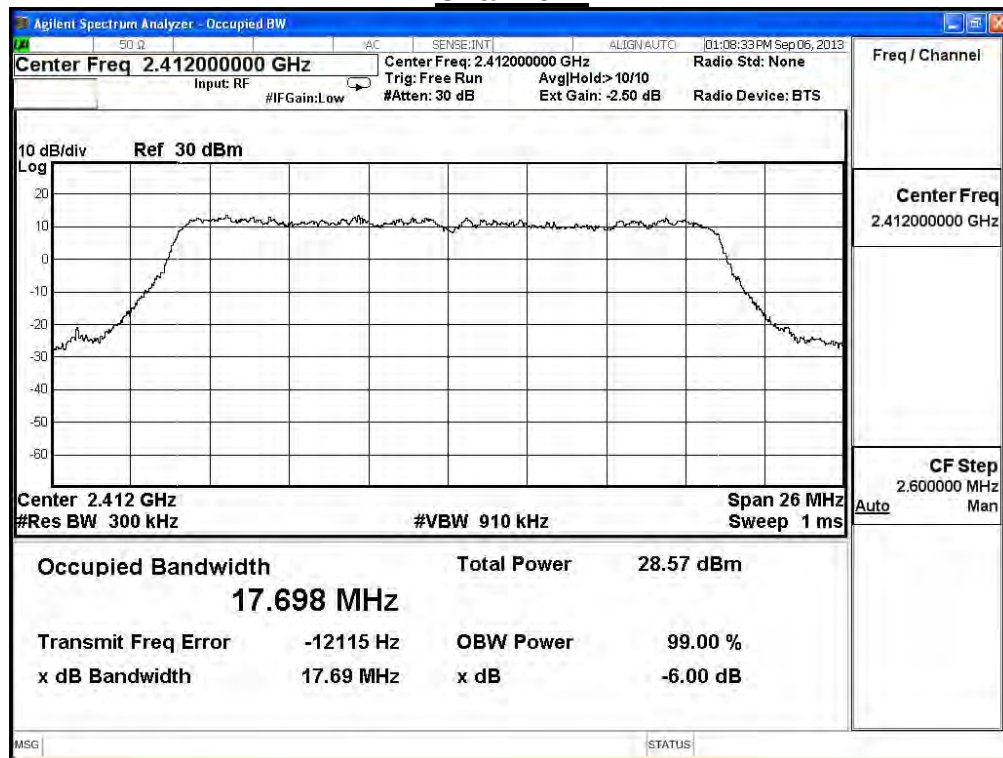
Channel 11



Product	802.11ac Dual Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	17.69	≥ 0.5	Pass
6	2437	17.65	≥ 0.5	Pass
11	2462	17.65	≥ 0.5	Pass

Channel 1



Agilent Spectrum Analyzer - Occupied BW

50 Ω AC SENSE:INT ALIGN: AUTO 04:25:48 PM Oct 14, 2013

Center Freq 2.437000000 GHz Radio Std: None

Input: RF #IFGain: Low Trig: Free Run Avg/Hold: >10/10

#Atten: 30 dB Ext Gain: -2.50 dB Radio Device: BTS

10 dB/div Ref 30 dBm

Log

Center 2.437 GHz Span 26 MHz

#Res BW 300 kHz #VBW 910 kHz Sweep 1 ms

Occupied Bandwidth 17.657 MHz

Total Power 28.20 dBm

Transmit Freq Error -30331 Hz OBW Power 99.00 %

x dB Bandwidth 17.65 MHz x dB -6.00 dB

CF Step 2.600000 MHz Man

Auto

MSG STATUS

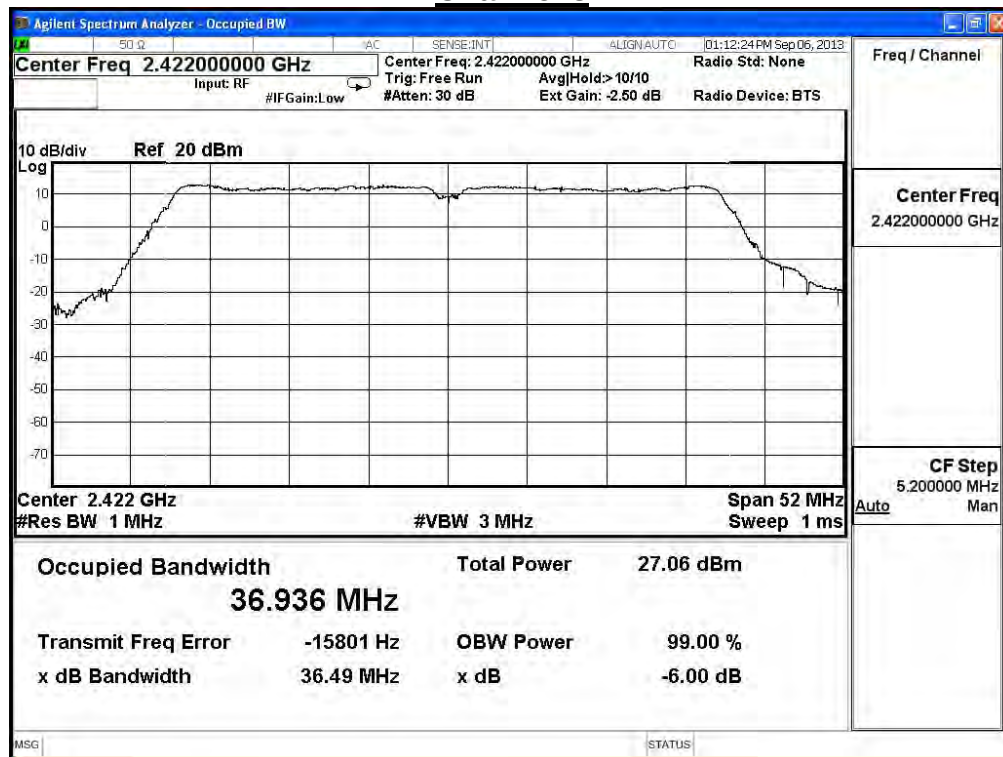
The screenshot displays the Agilent Spectrum Analyzer interface. The main display shows a signal spectrum with a peak at 2.462 GHz. The bandwidth is 17.657 MHz. The power level is 27.92 dBm. The interface includes various control panels and readouts.

Parameter	Value
Center Freq	2.462000000 GHz
Input	RF
#IF Gain	Low
Center Freq	2.462000000 GHz
Trig	Free Run
#Atten	30 dB
Avg/Hold	> 10/10
Ext Gain	-2.50 dB
Radio Std	None
Radio Device	BTS
Center Freq	2.462000000 GHz
CF Step	2.600000 MHz
Man	Auto
Occupied Bandwidth	17.657 MHz
Total Power	27.92 dBm
Transmit Freq Error	-23241 Hz
OBW Power	99.00 %
x dB Bandwidth	17.65 MHz
x dB	-6.00 dB

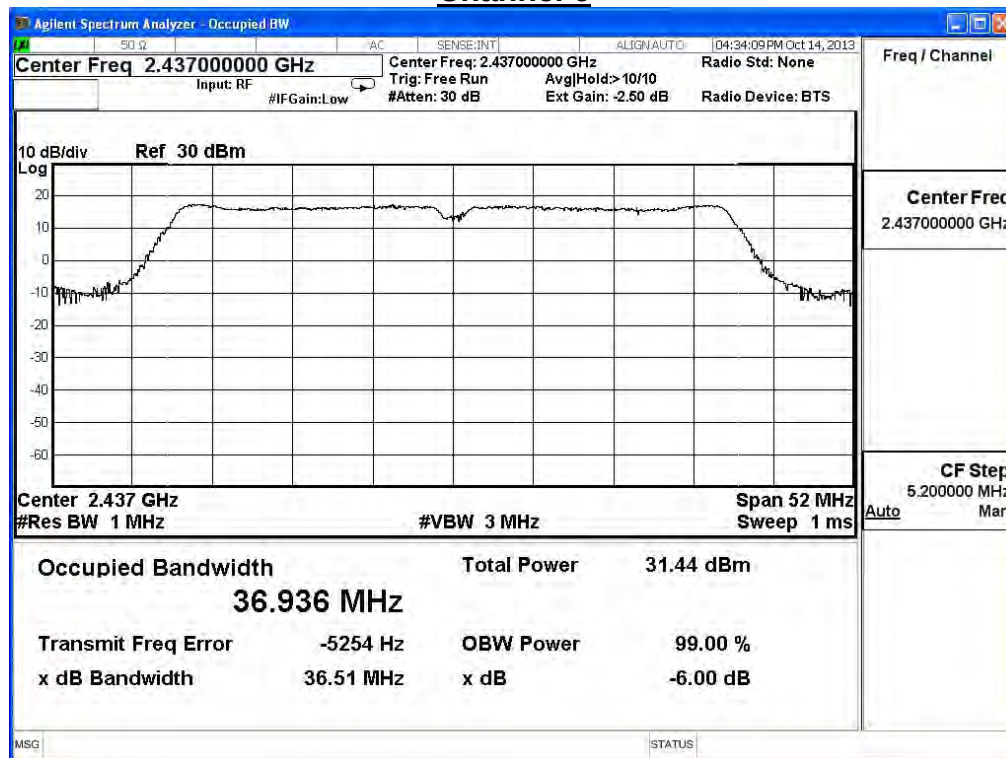
Product	802.11ac Dual Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.49	≥ 0.5	Pass
6	2437	36.51	≥ 0.5	Pass
9	2452	36.48	≥ 0.5	Pass

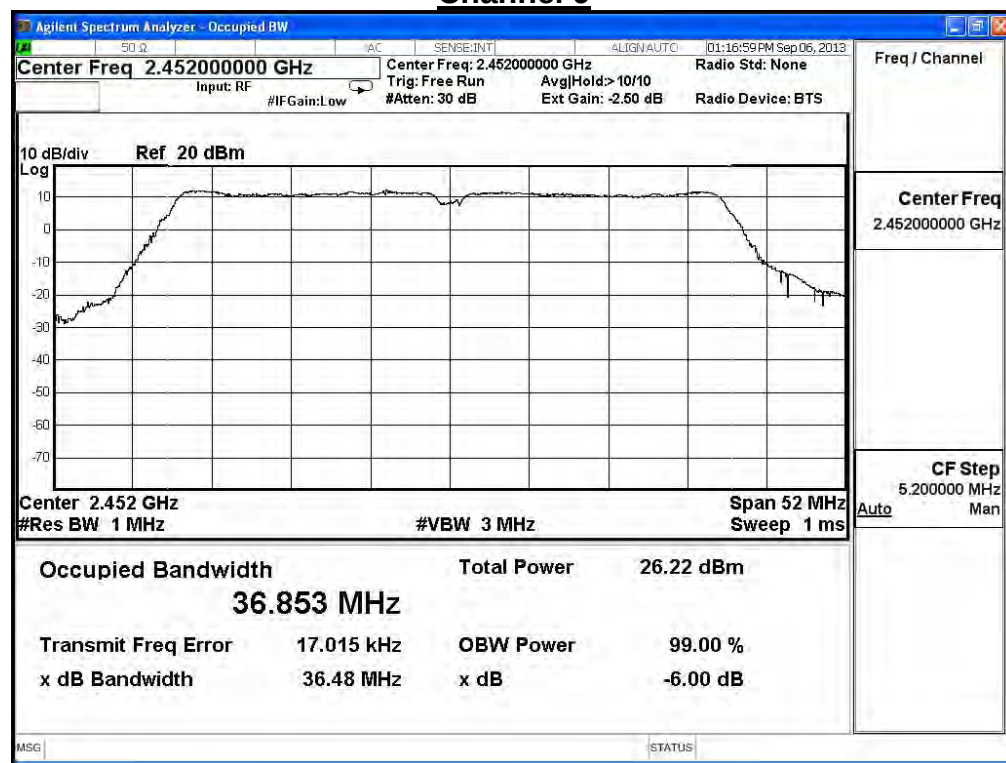
Channel 3



Channel 6



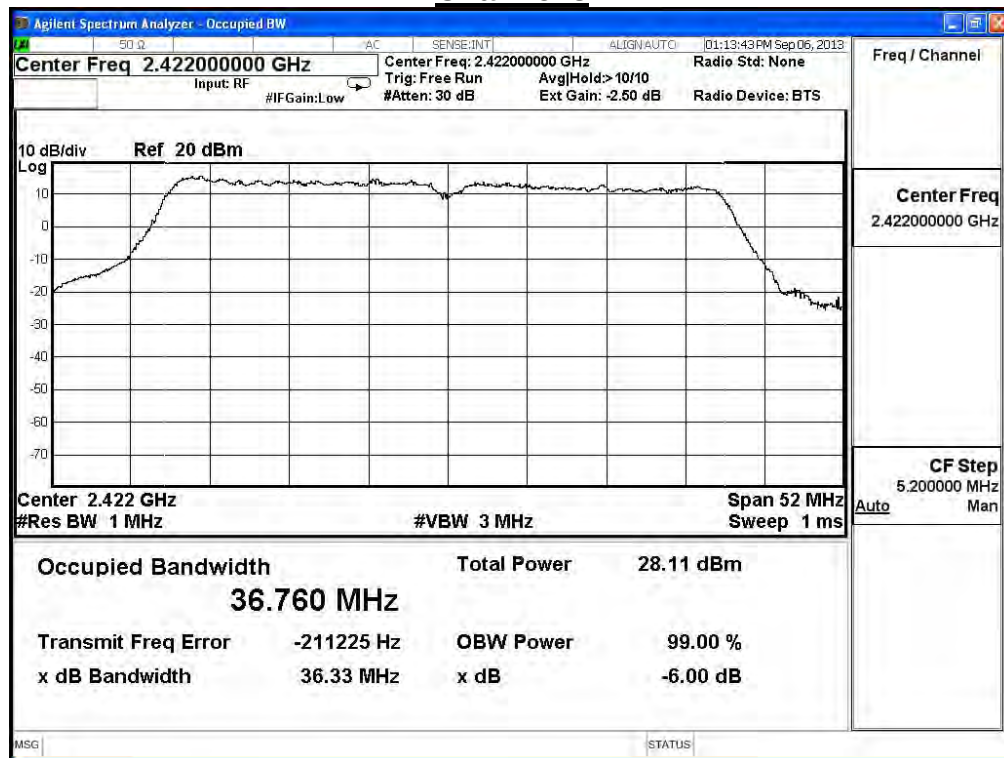
Channel 9



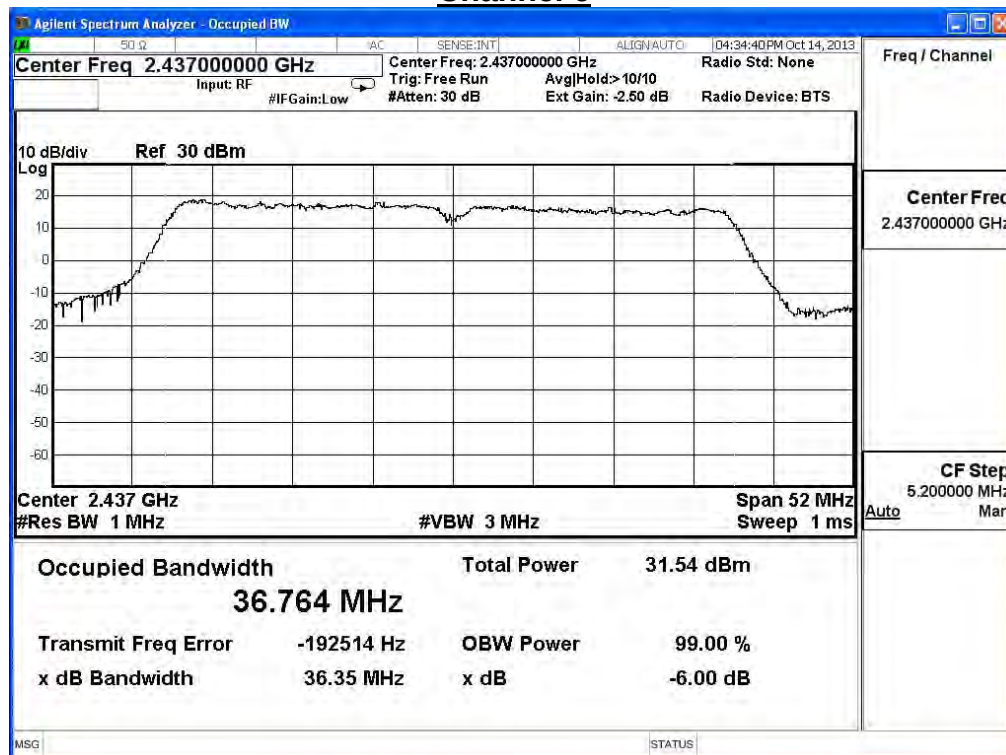
Product	802.11ac Dual Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.33	≥ 0.5	Pass
6	2437	36.35	≥ 0.5	Pass
9	2452	36.44	≥ 0.5	Pass

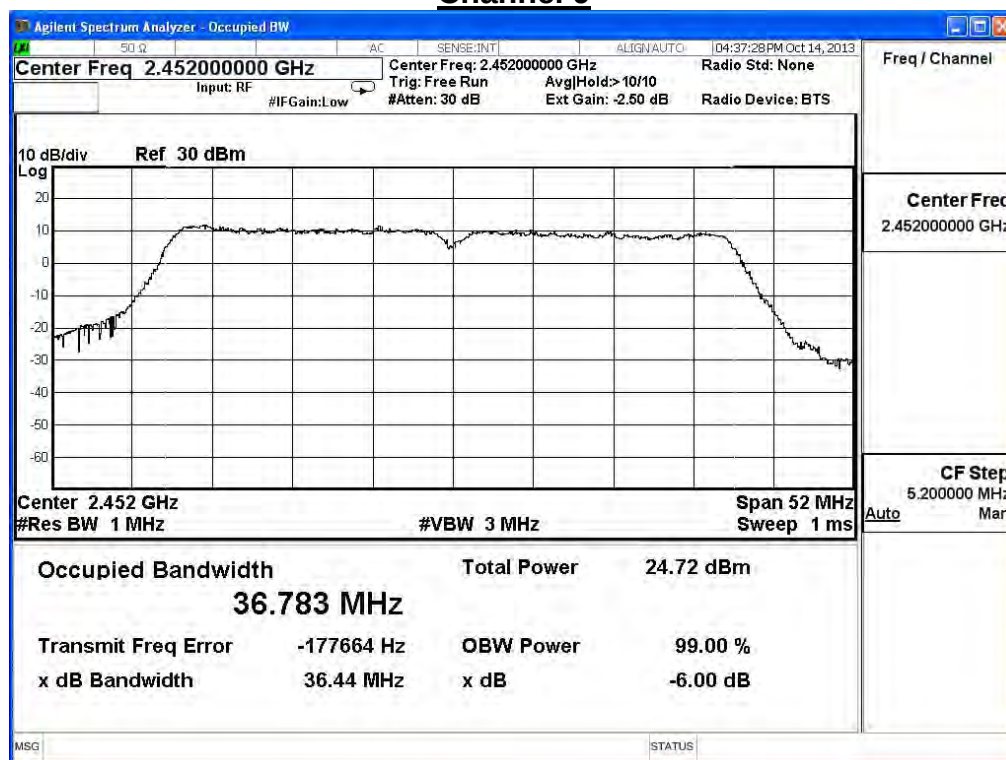
Channel 3



Channel 6



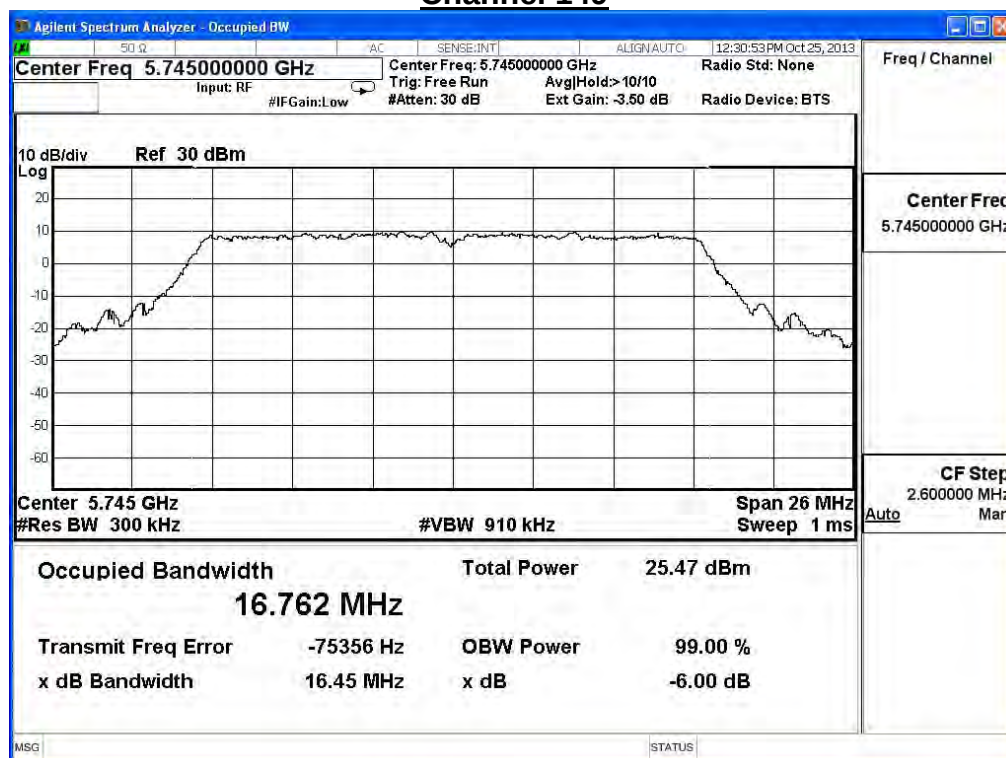
Channel 9



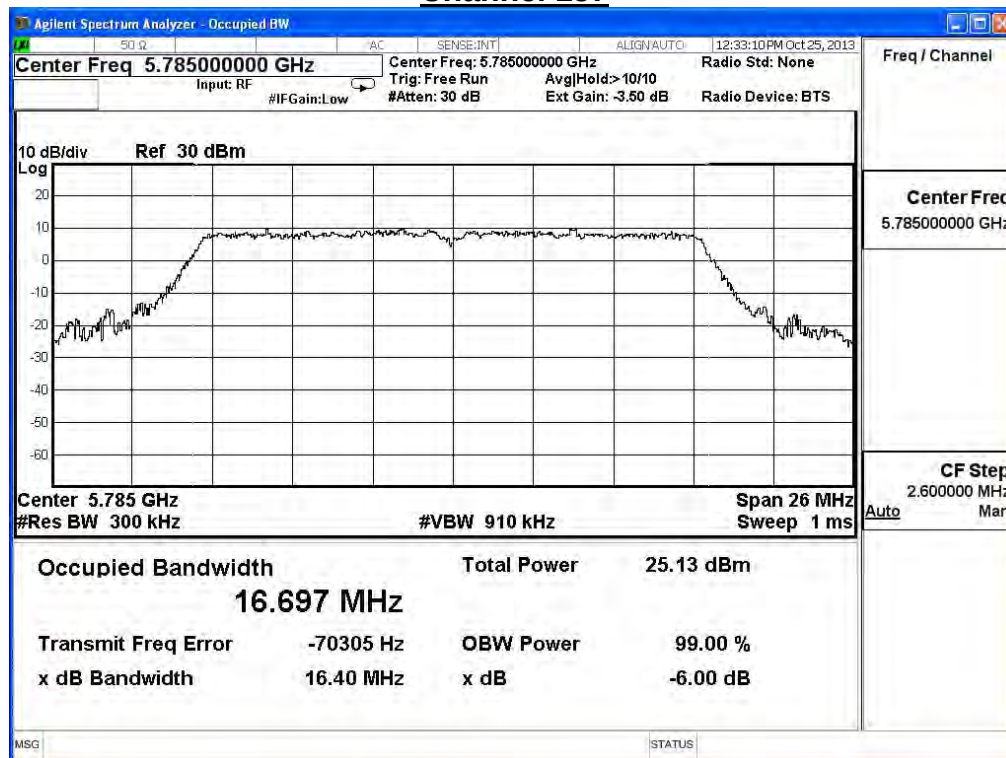
Product	802.11ac Dual Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

802.11 a				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	16.45	≥ 0.5	Pass
157	5785	16.40	≥ 0.5	Pass
165	5825	16.42	≥ 0.5	Pass

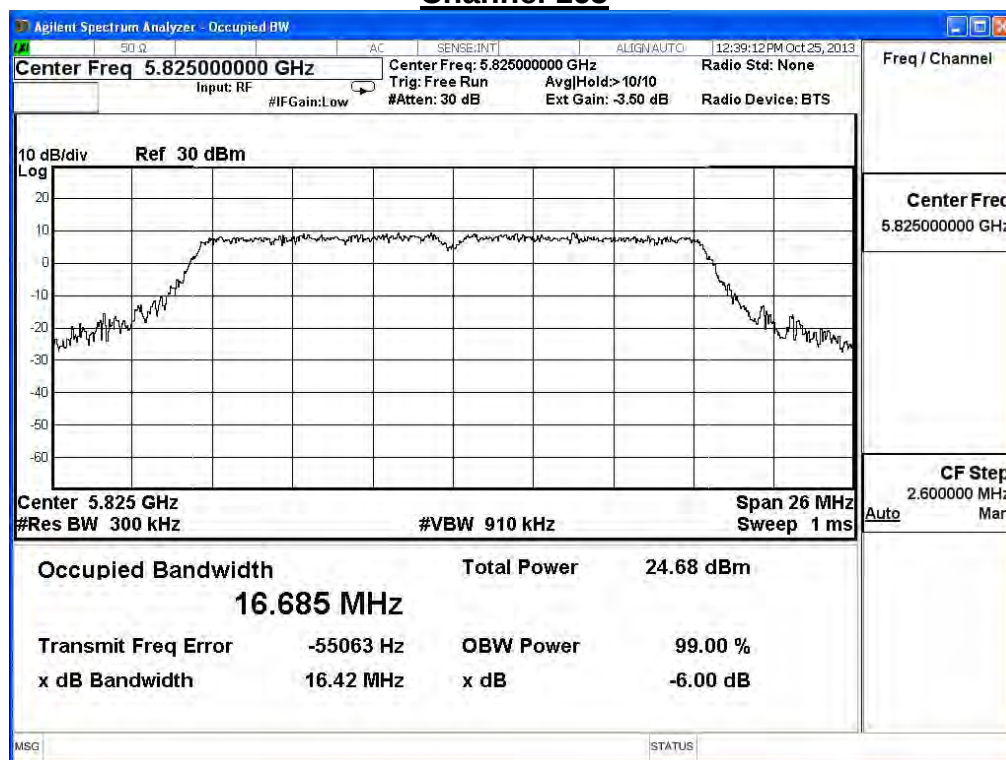
Channel 149



Channel 157



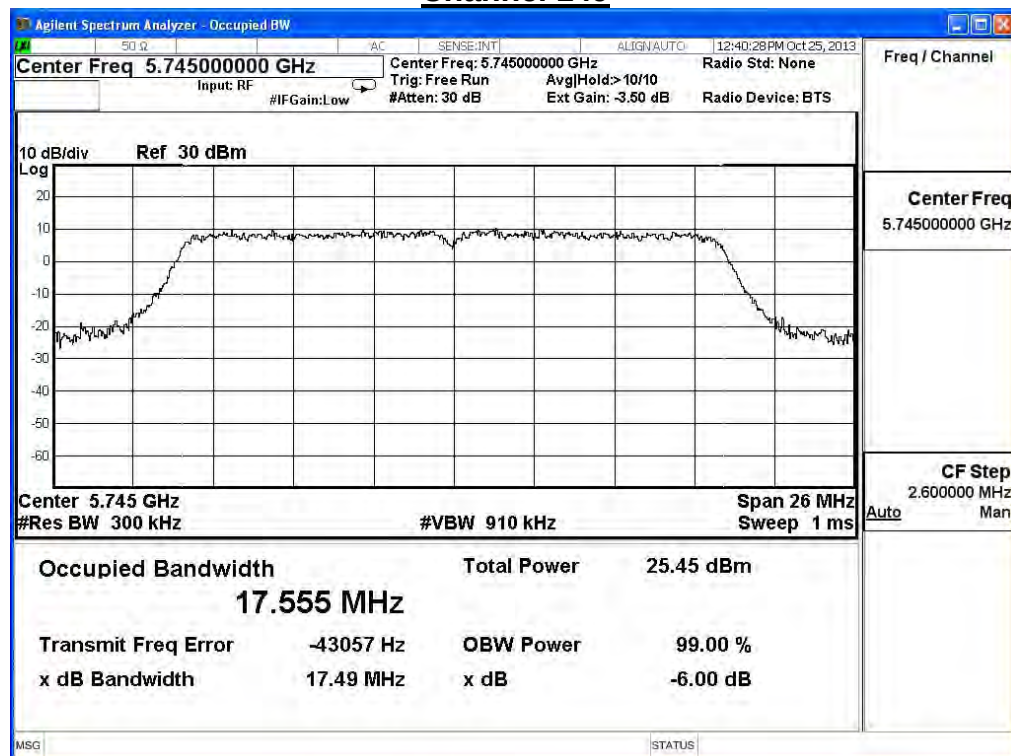
Channel 165



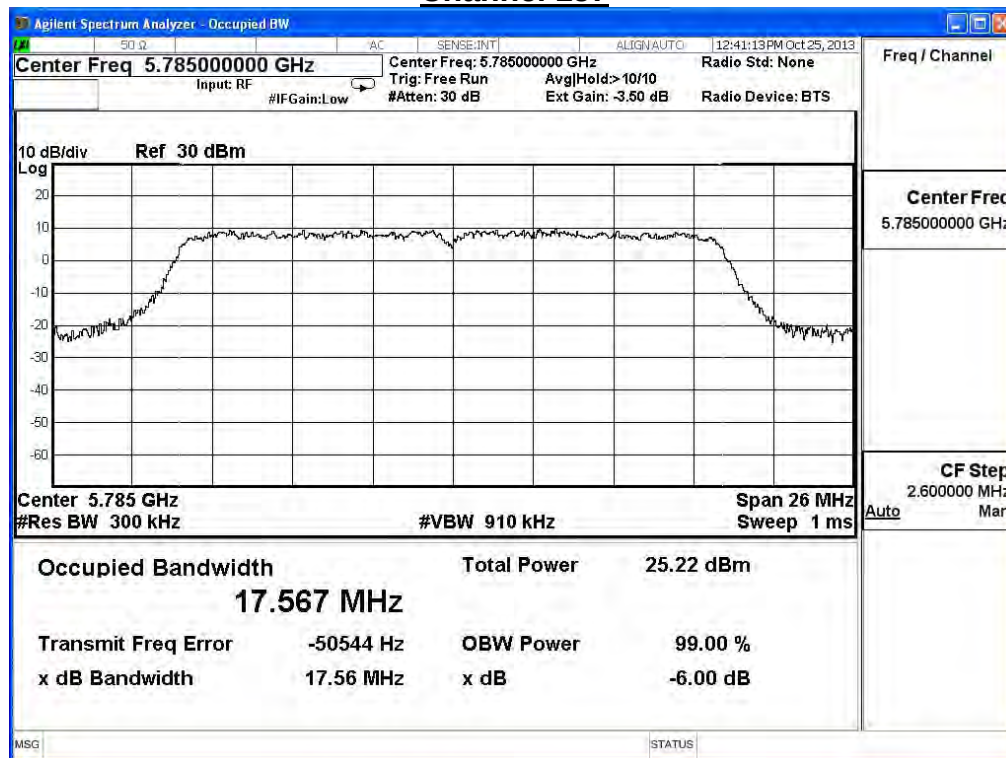
Product	802.11ac Dual Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.49	≥ 0.5	Pass
157	5785	17.56	≥ 0.5	Pass
165	5825	17.51	≥ 0.5	Pass

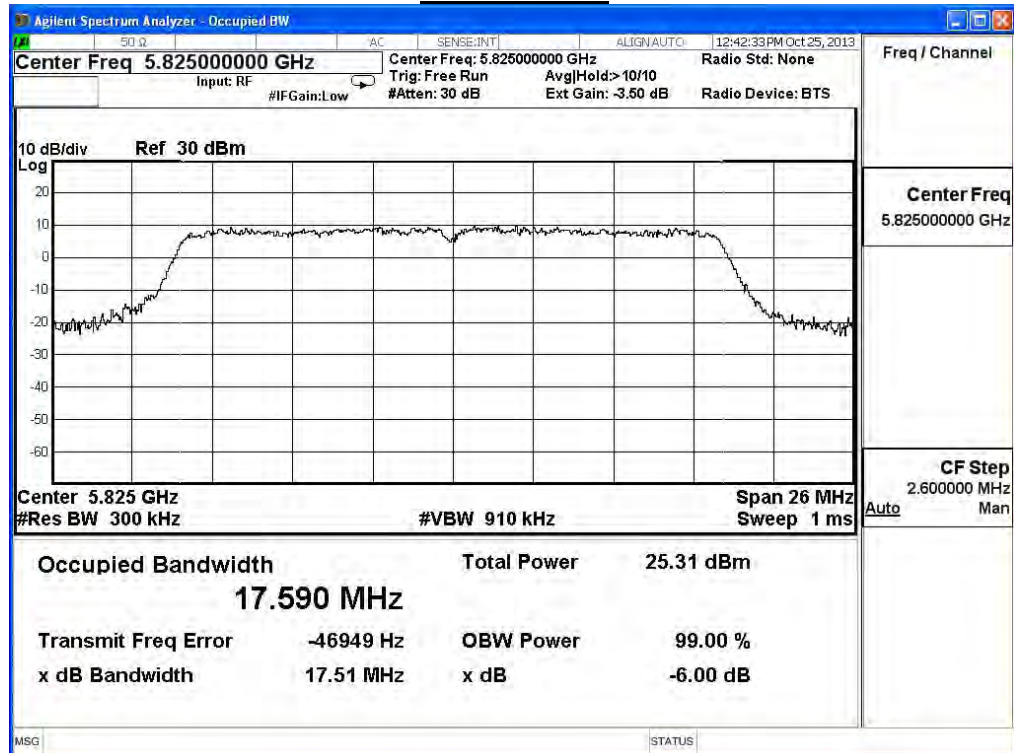
Channel 149



Channel 157



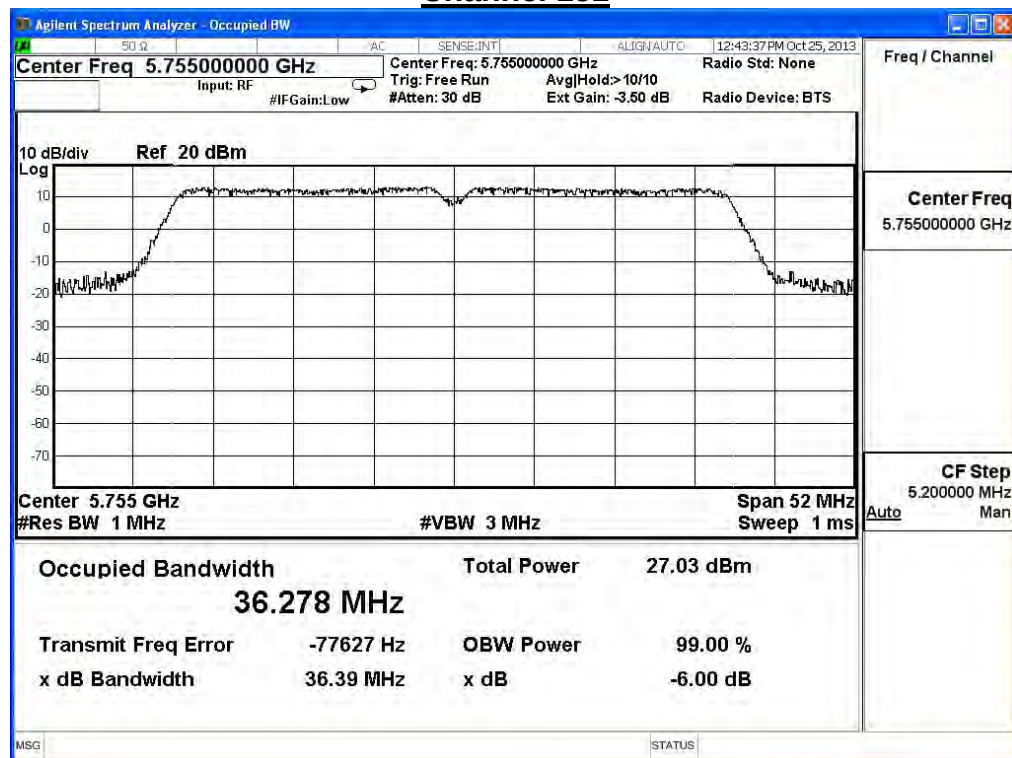
Channel 165



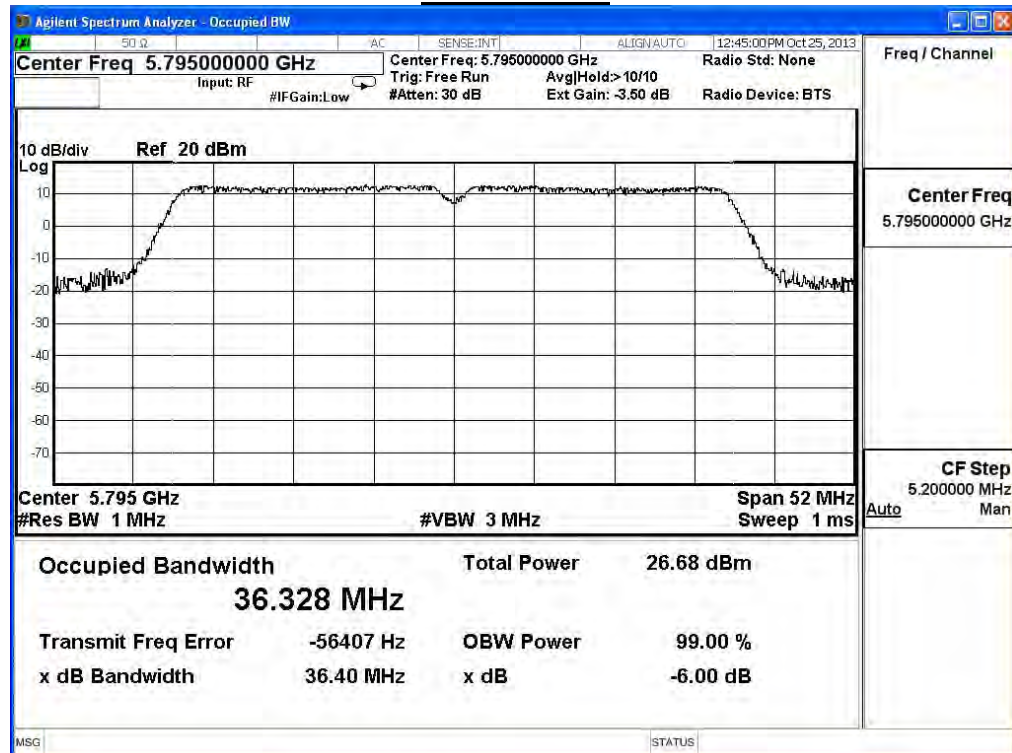
Product	802.11ac Dual Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.39	≥ 0.5	Pass
159	5795	36.40	≥ 0.5	Pass

Channel 151



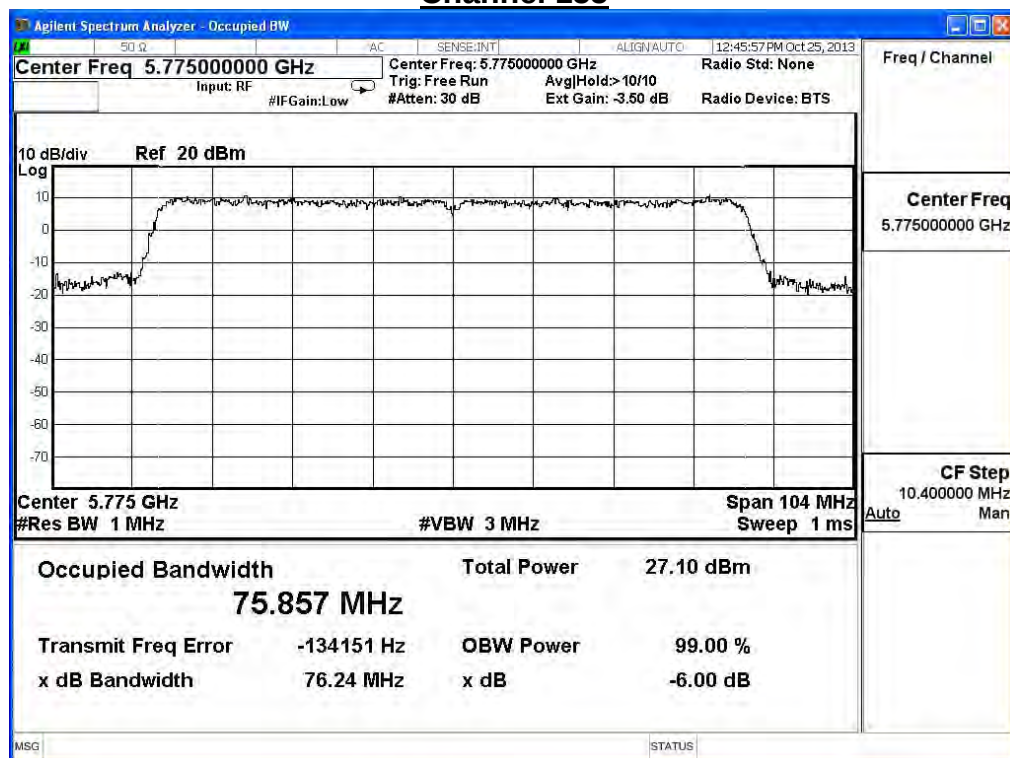
Channel 159



Product	802.11ac Dual Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
155	5775	76.24	≥ 0.5	Pass

Channel 155



9. Power Density

9.1. Test Equipment

The following test equipment is used during the test:

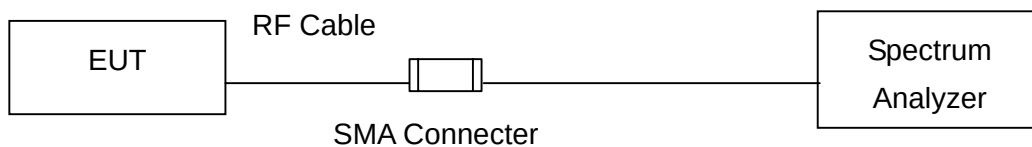
Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2014/08/05

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

9.2. Test Setup

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



9.3. Limits

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

9.4. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW= 100 kHz, Set VBW= 300 kHz, Sweep time=Auto, Set detector=Peak detector

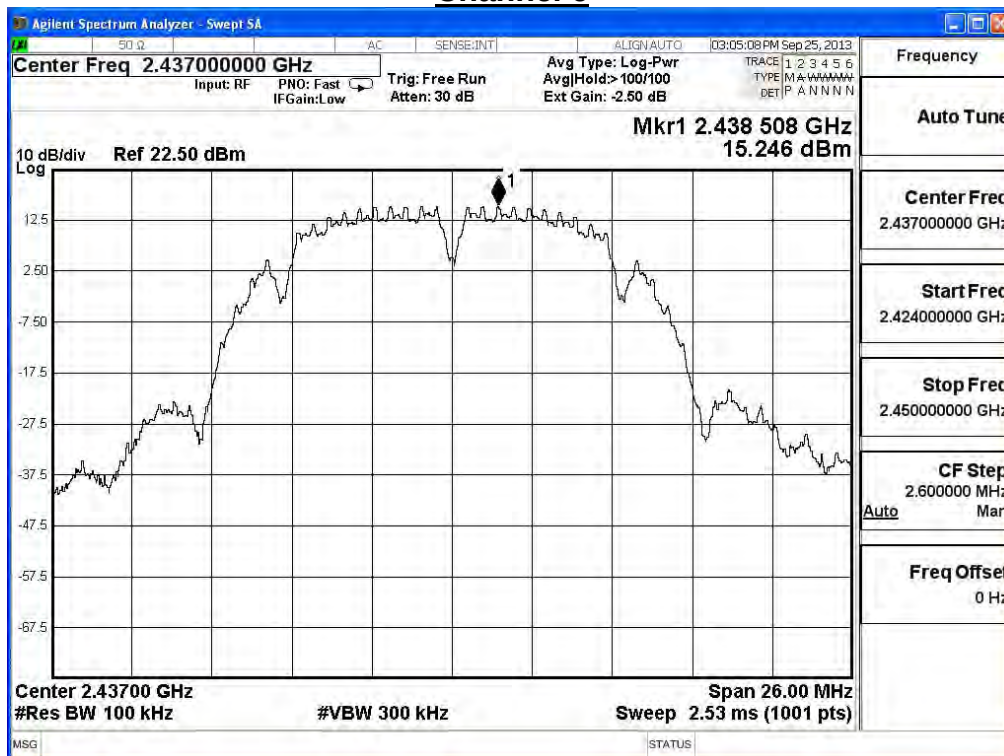
9.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2012

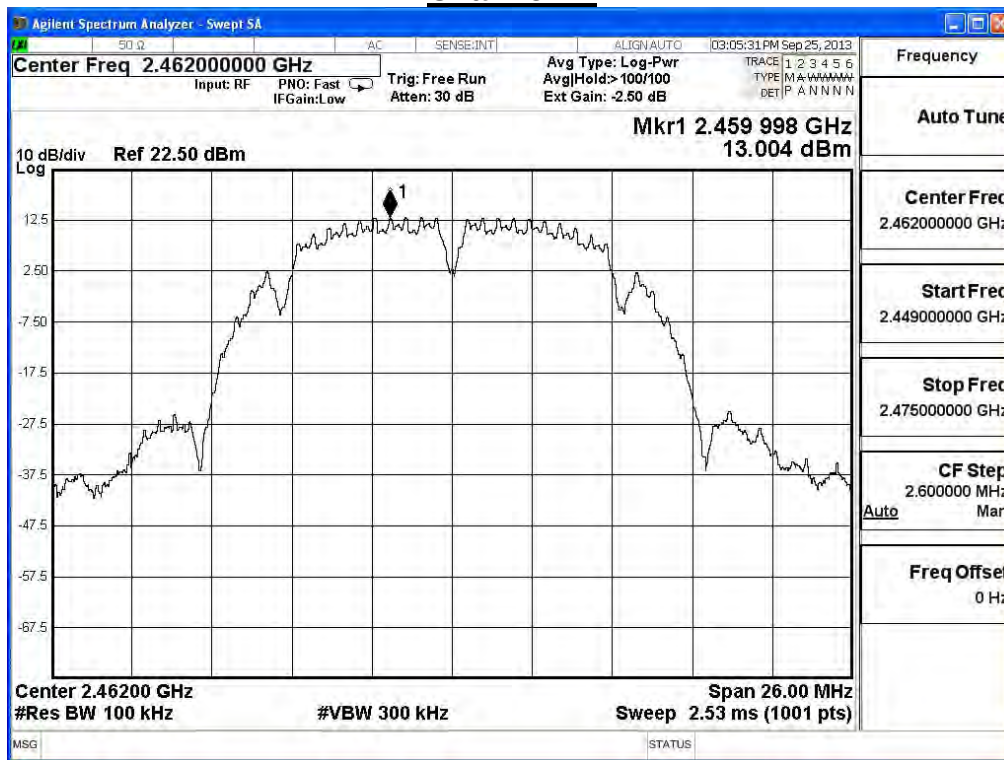
9.6. Uncertainty

The measurement uncertainty is defined as $\pm 1.27\text{dB}$.

Channel 6



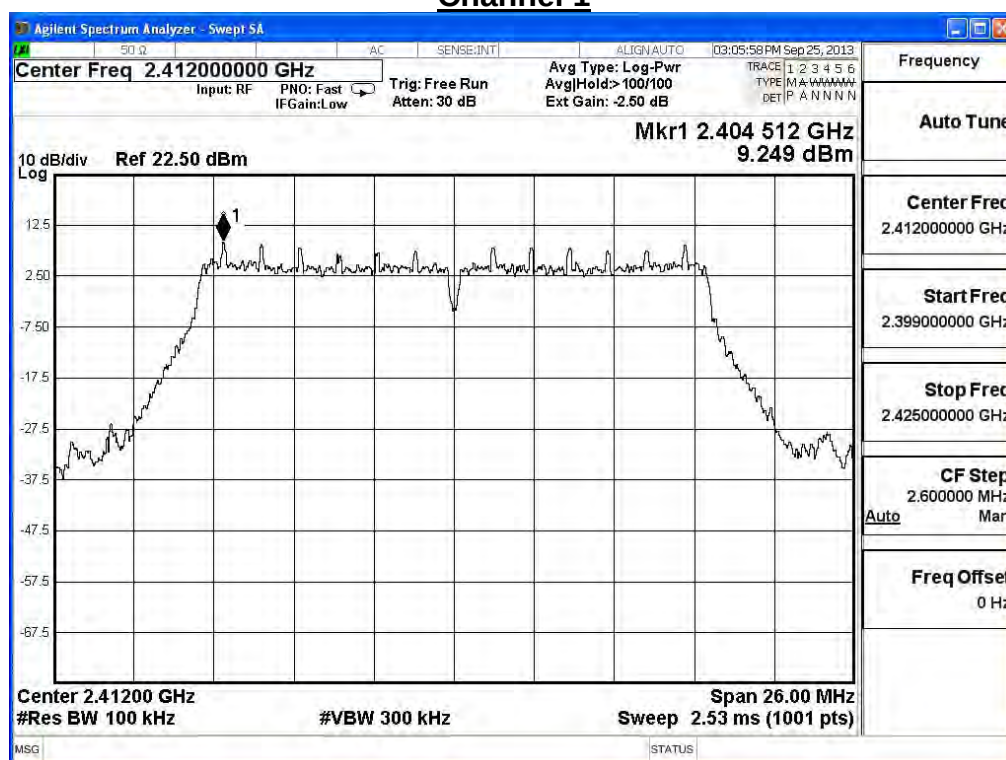
Channel 11



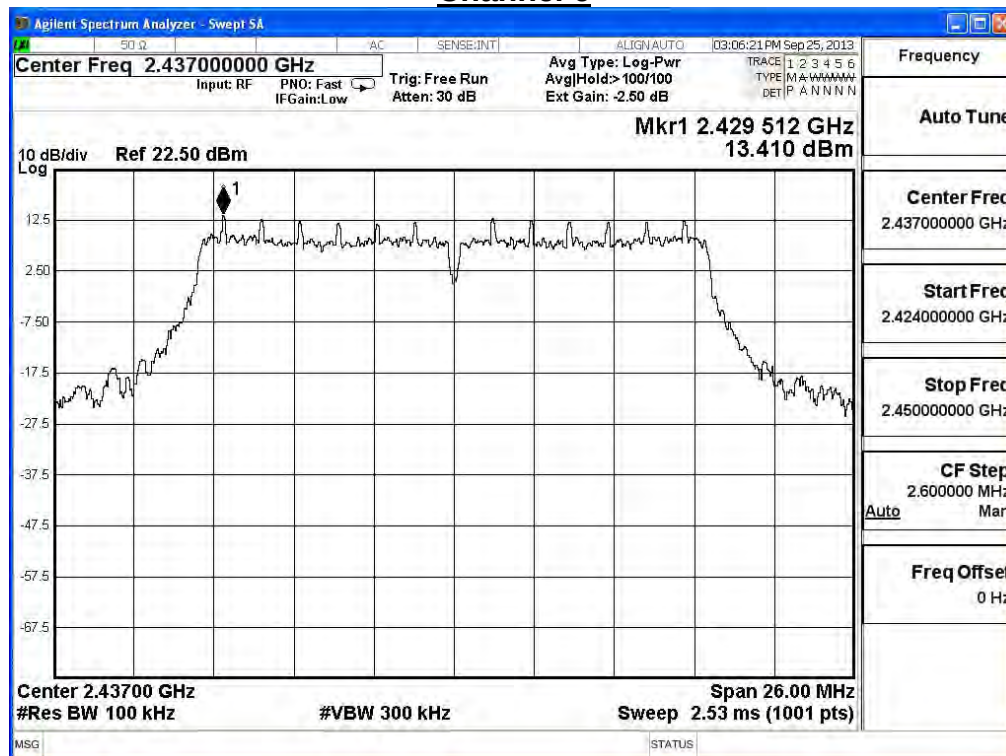
Product	802.11ac Dual Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

IEEE 802.11g					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
1	2412	9.249	-5.951	≤ 8	Pass
6	2437	13.410	-1.79	≤ 8	Pass
11	2462	7.606	-7.594	≤ 8	Pass

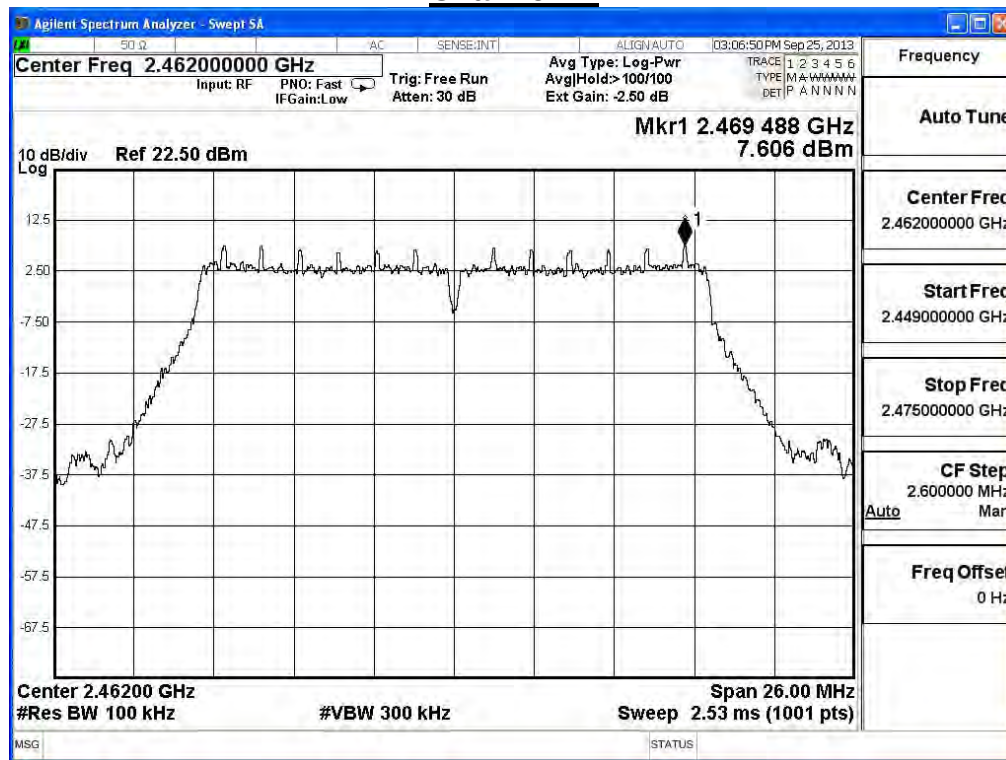
Channel 1



Channel 6



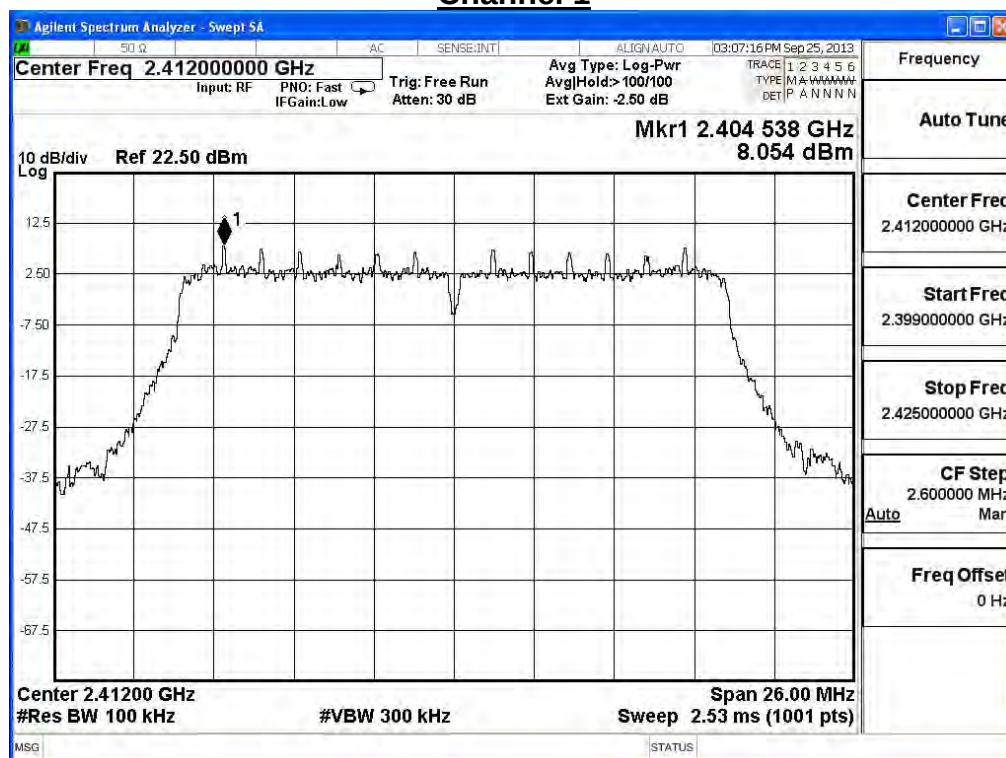
Channel 11



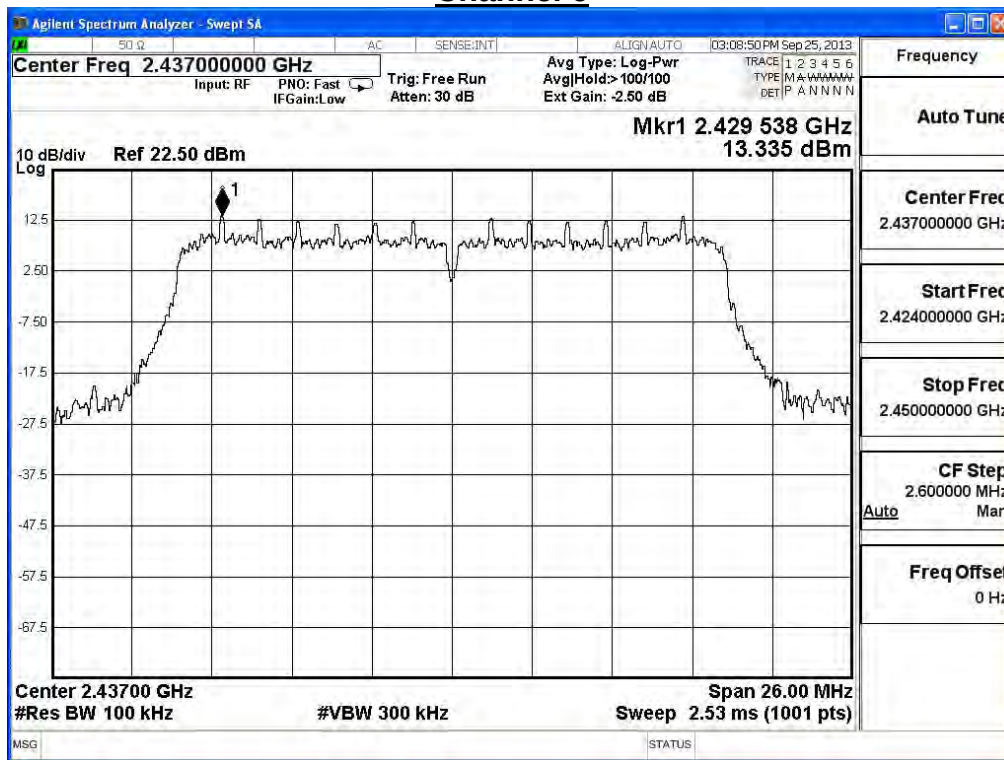
Product	802.11ac Dual Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	8.054	-7.146	≤ 8	Pass
6	2437	13.335	-1.865	≤ 8	Pass
11	2462	10.328	-4.872	≤ 8	Pass

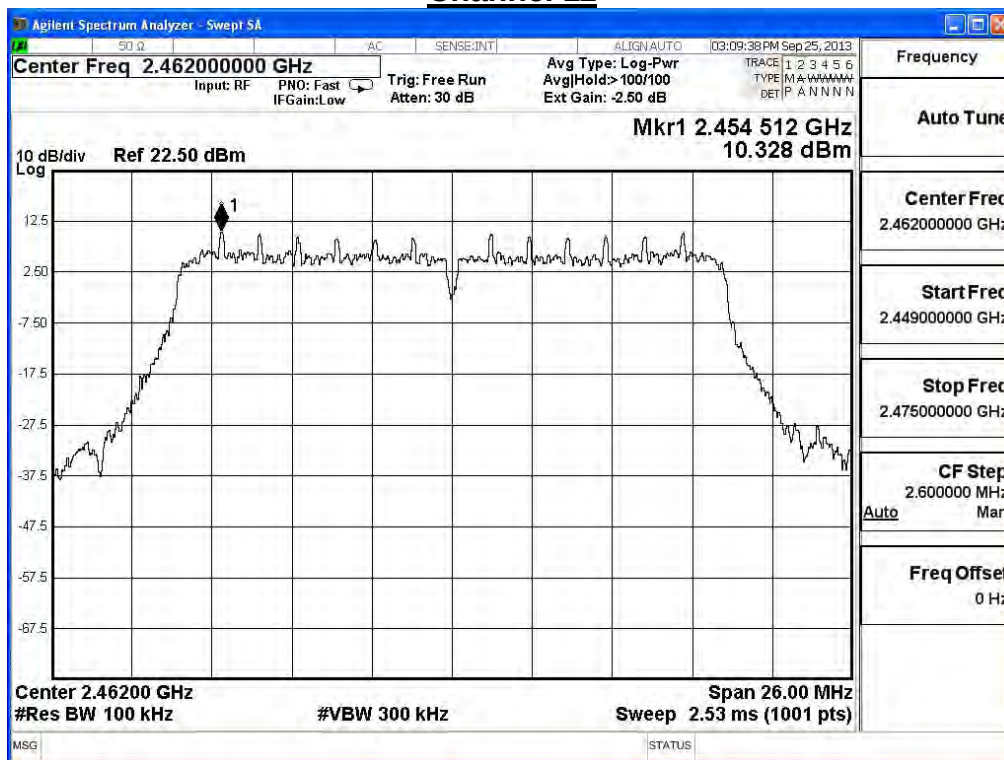
Channel 1



Channel 6



Channel 11

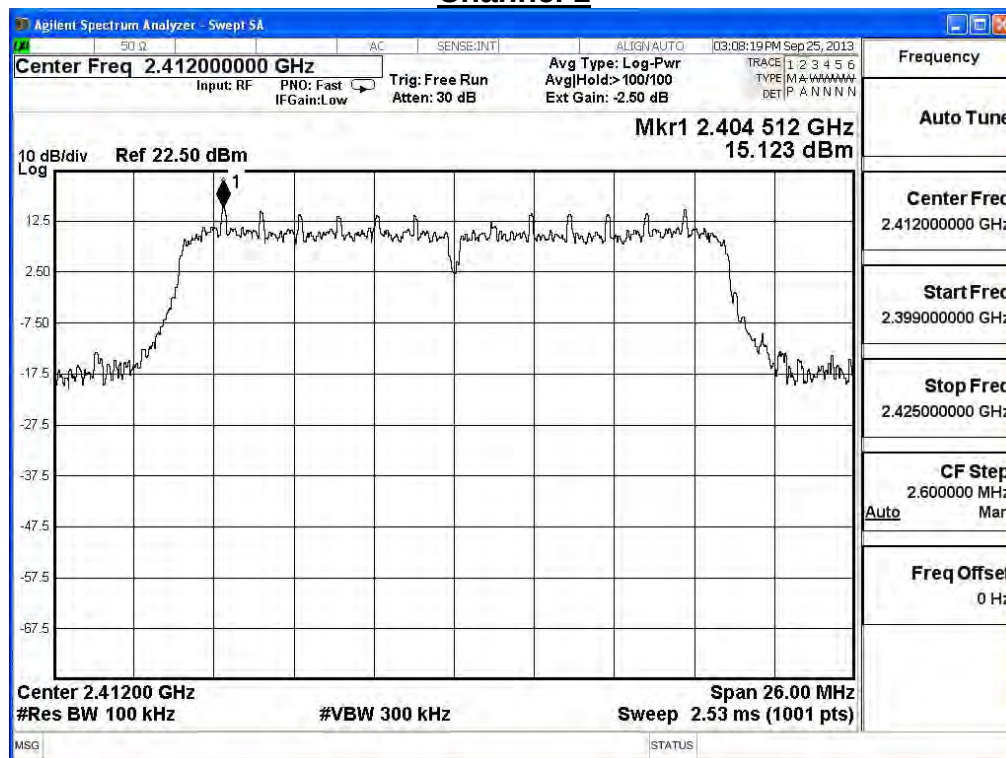


Product	802.11ac Dual Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

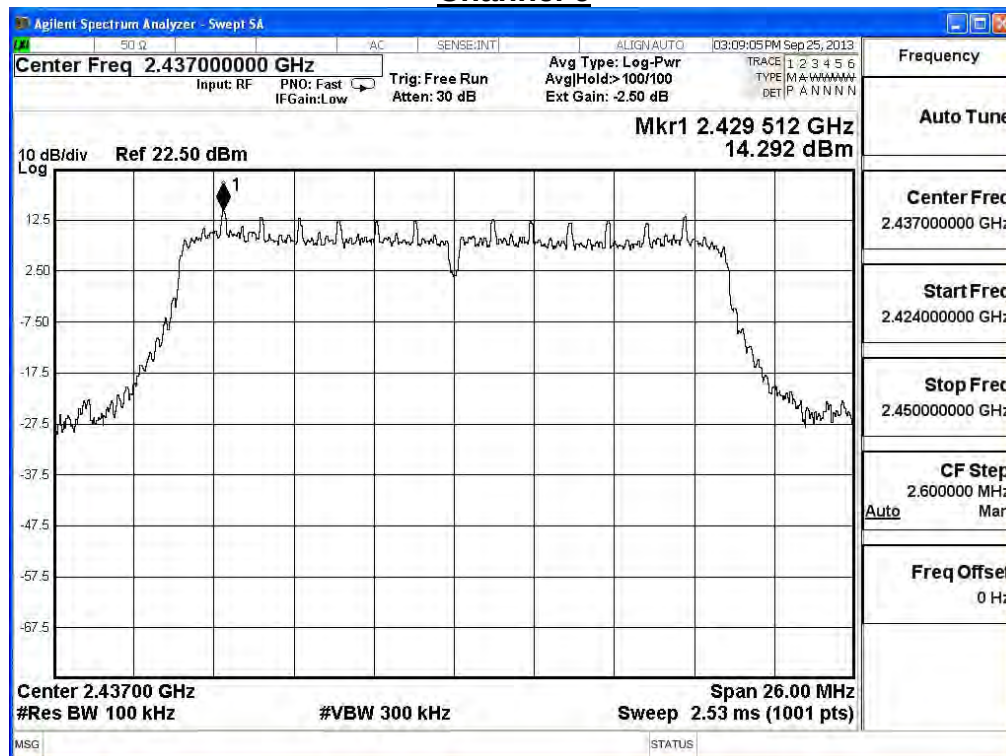
IEEE802.11n_20MHz_(ANT 1)

Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
1	2412	15.123	-0.077	≤ 8	Pass
6	2437	14.292	-0.908	≤ 8	Pass
11	2462	8.500	-6.7	≤ 8	Pass

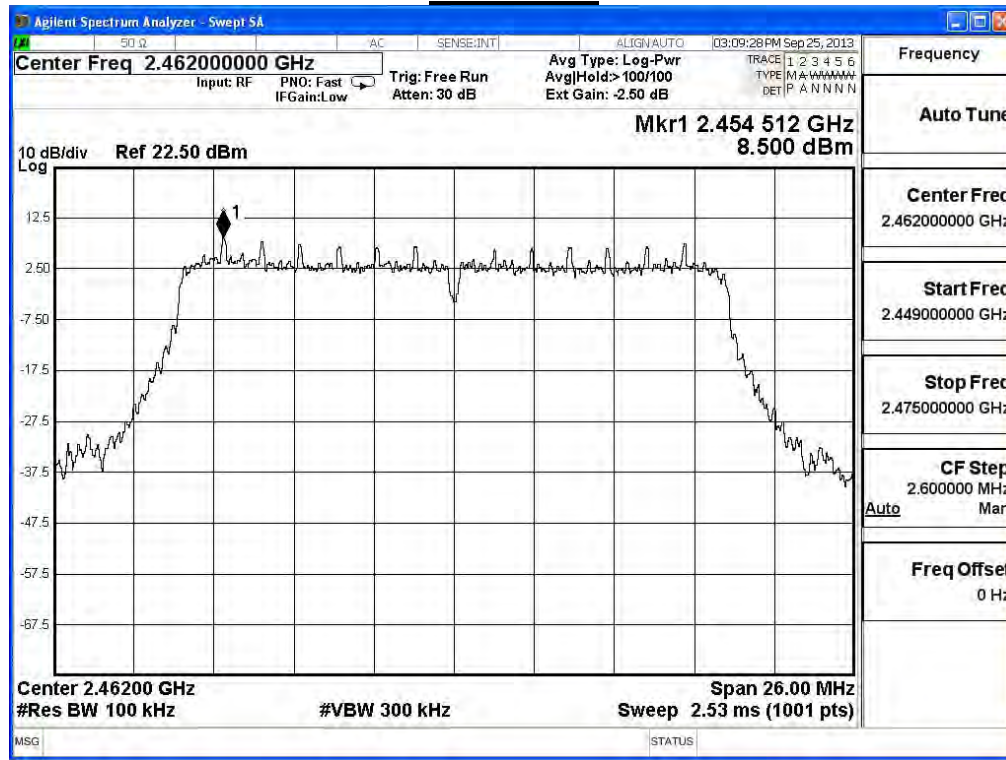
Channel 1



Channel 6



Channel 11



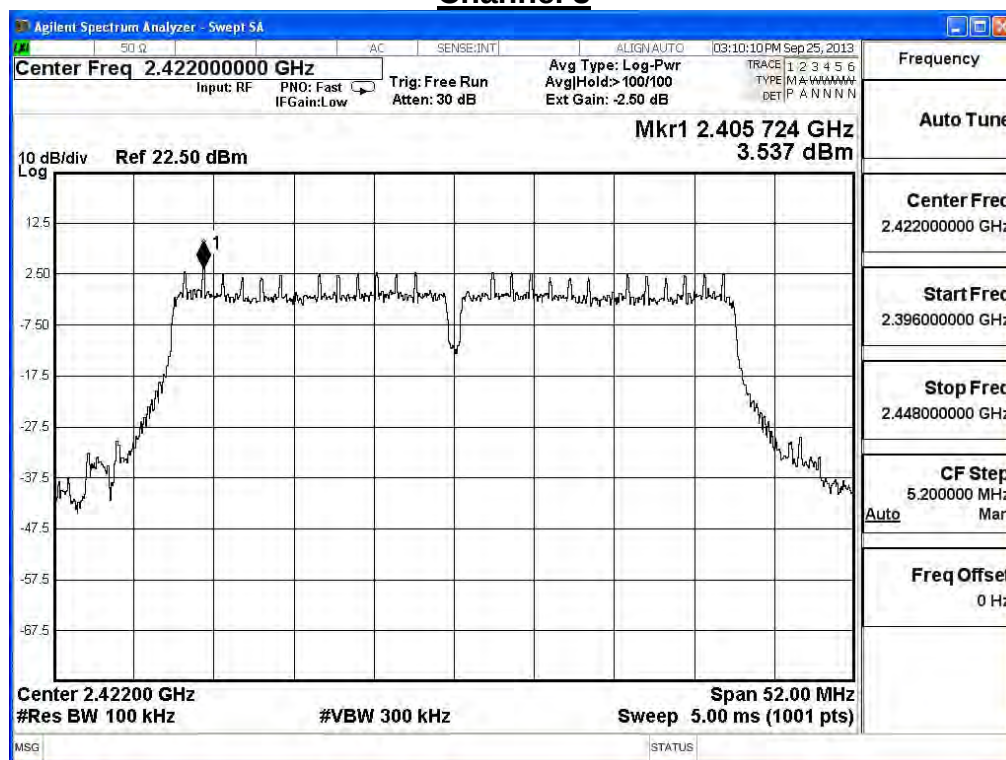
Product	802.11ac Dual Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

IEEE802.11n 20MHz (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	0.700	≤ 8	Pass
6	2437	1.650	≤ 8	Pass
11	2462	-2.680	≤ 8	Pass

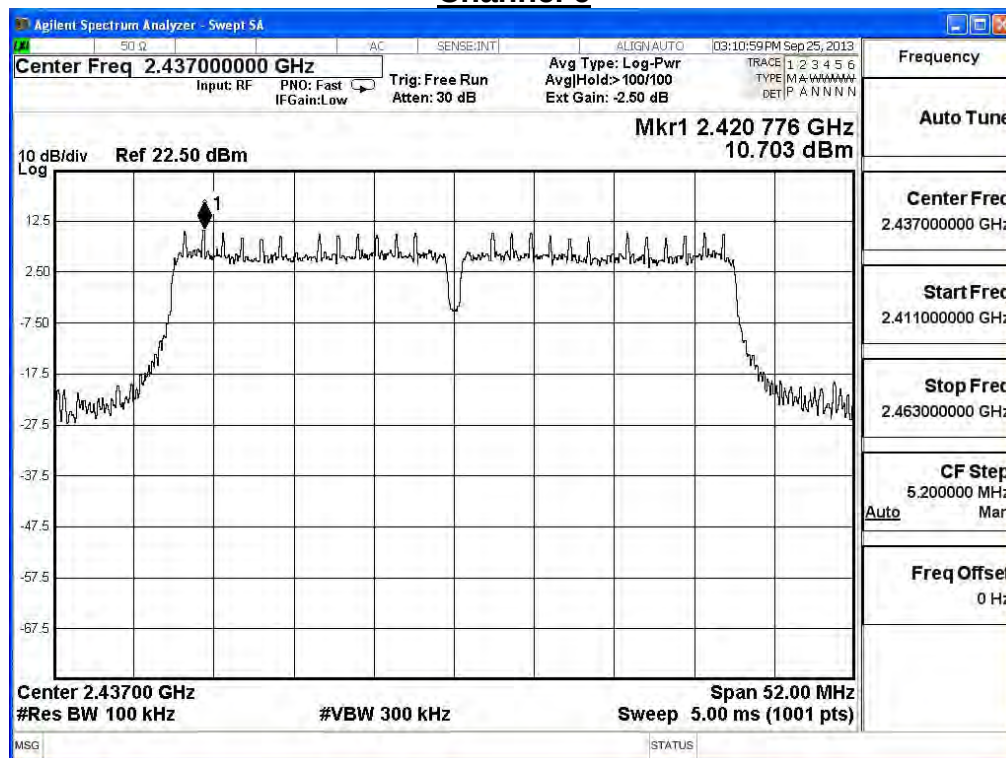
Product	802.11ac Dual Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
3	2422	3.537	-11.663	≤ 8	Pass
6	2437	10.703	-4.497	≤ 8	Pass
9	2452	2.501	-12.699	≤ 8	Pass

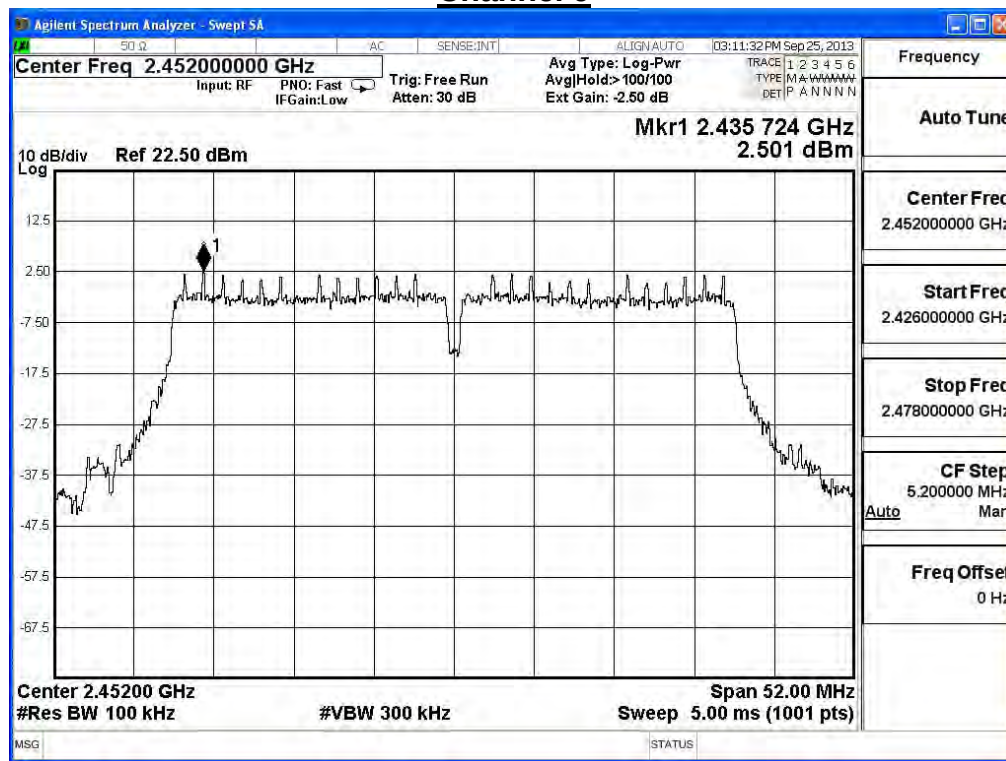
Channel 3



Channel 6



Channel 9

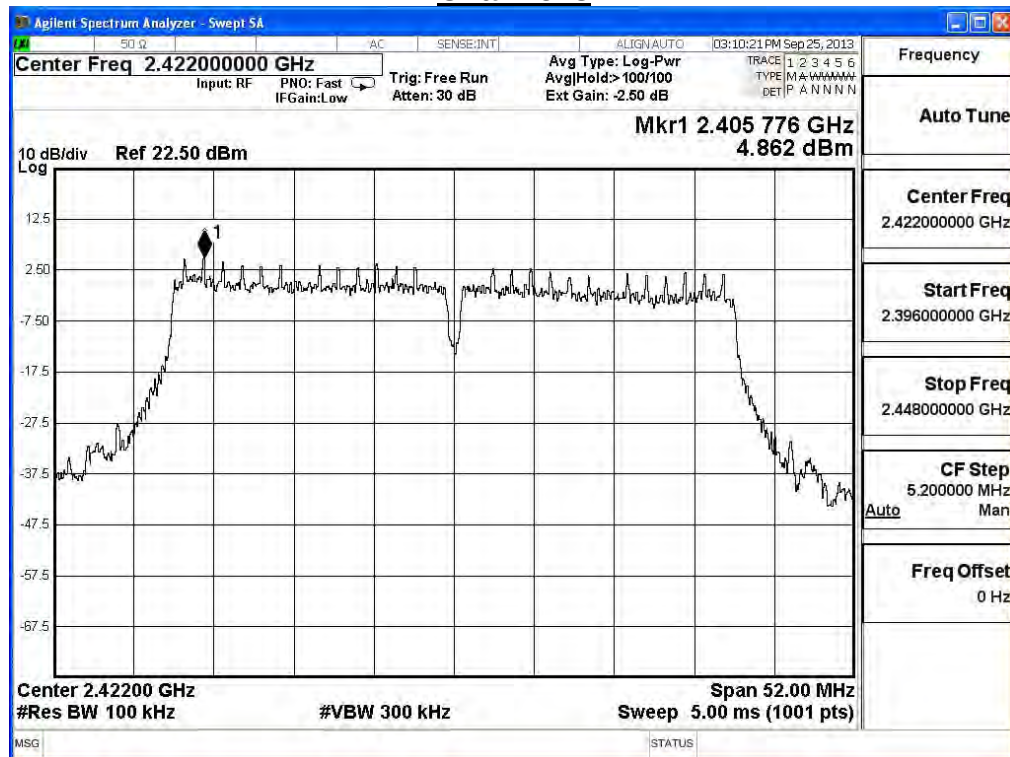


Product	802.11ac Dual Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

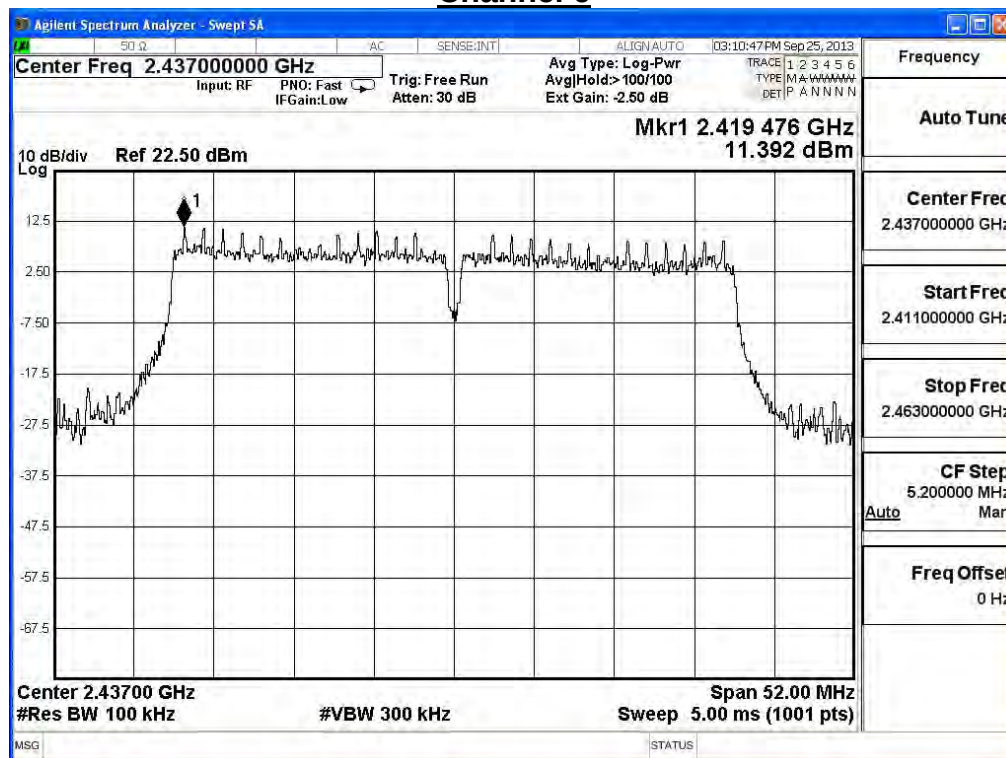
IEEE 802.11n_40MHz (ANT 1)

Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	4.862	-10.338	≤ 8	Pass
6	2437	11.392	-3.808	≤ 8	Pass
9	2452	3.590	-11.61	≤ 8	Pass

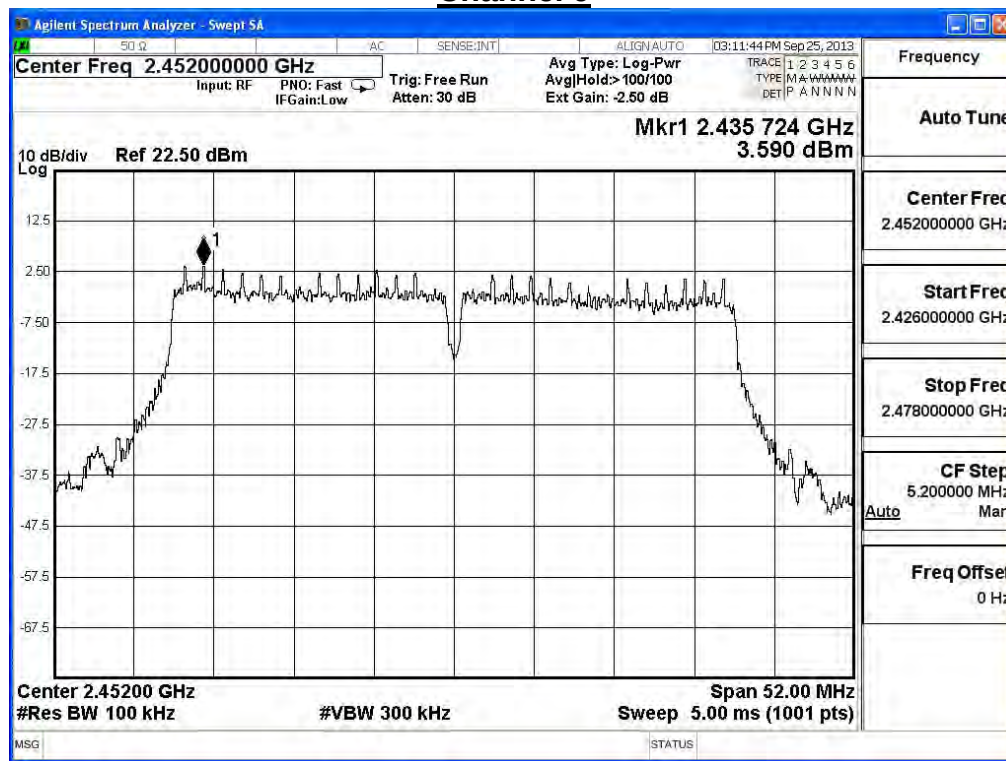
Channel 3



Channel 6



Channel 9



Product	802.11ac Dual Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/25	Test Site	SR7

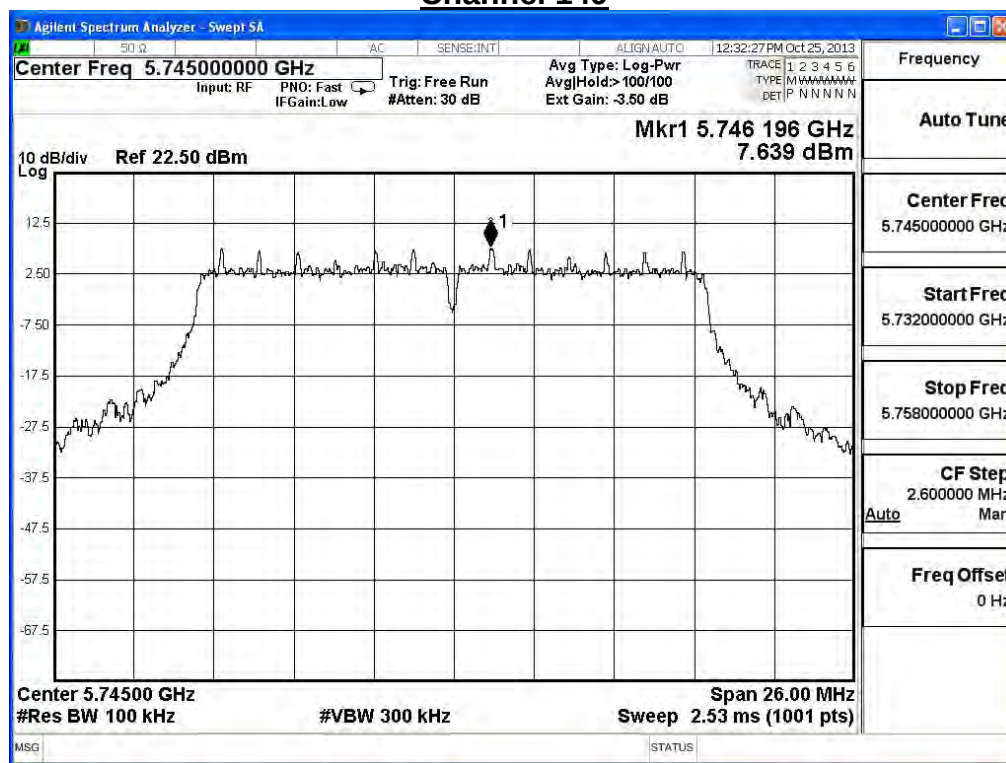
IEEE802.11n 40MHz(ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-7.940	≤ 8	Pass
6	2437	-1.130	≤ 8	Pass
9	2452	-9.110	≤ 8	Pass

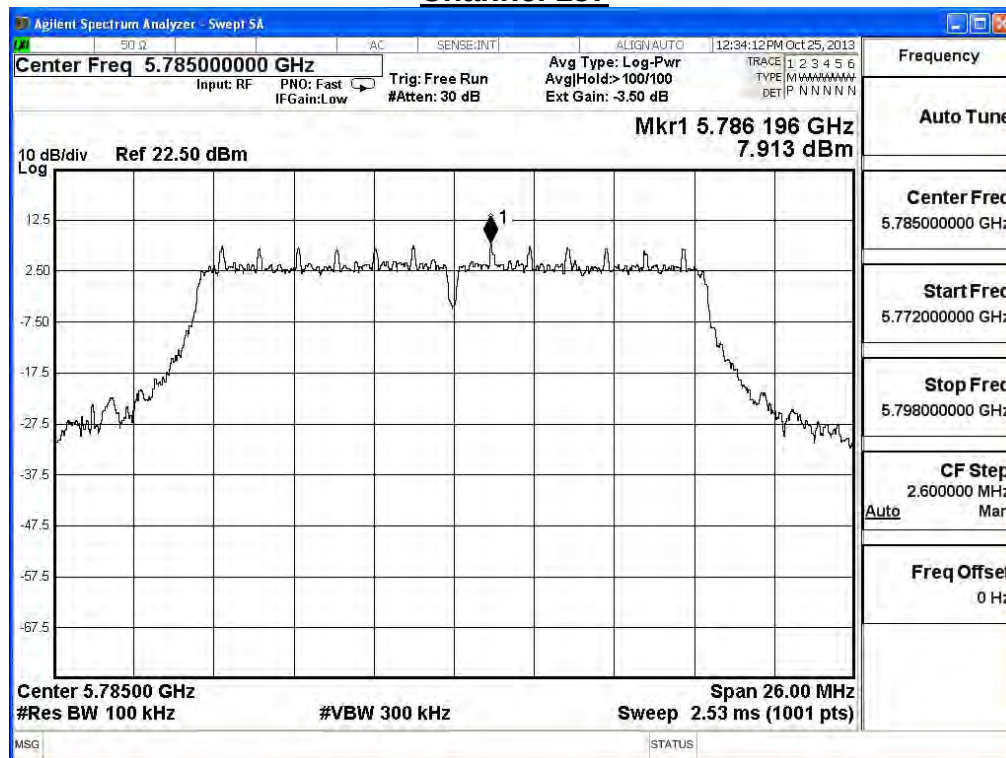
Product	802.11ac Dual Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

IEEE 802.11a					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	7.64	-7.56	≤ 8	Pass
157	5785	7.91	-7.29	≤ 8	Pass
165	5825	8.10	-7.10	≤ 8	Pass

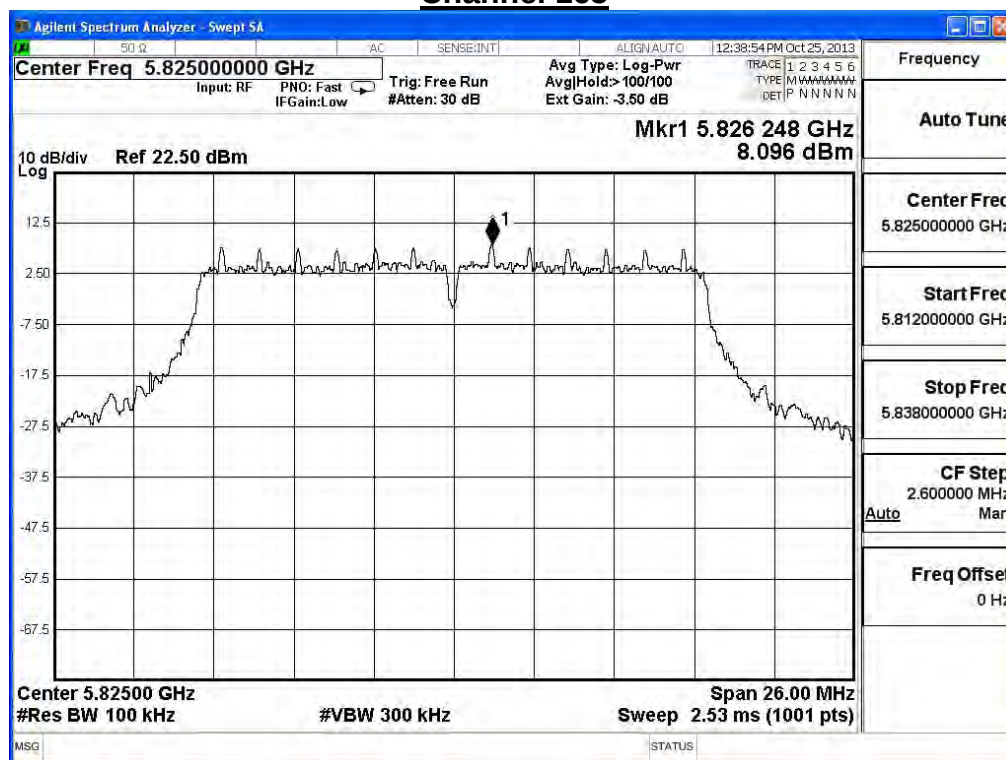
Channel 149



Channel 157



Channel 165

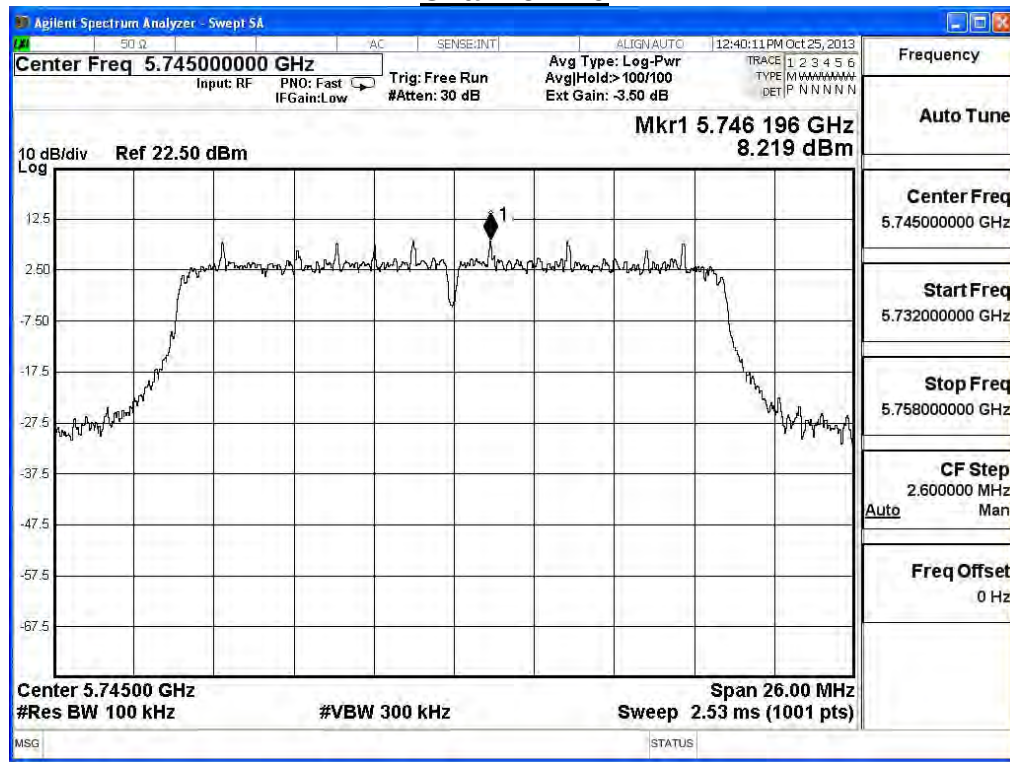


Product	802.11ac Dual Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

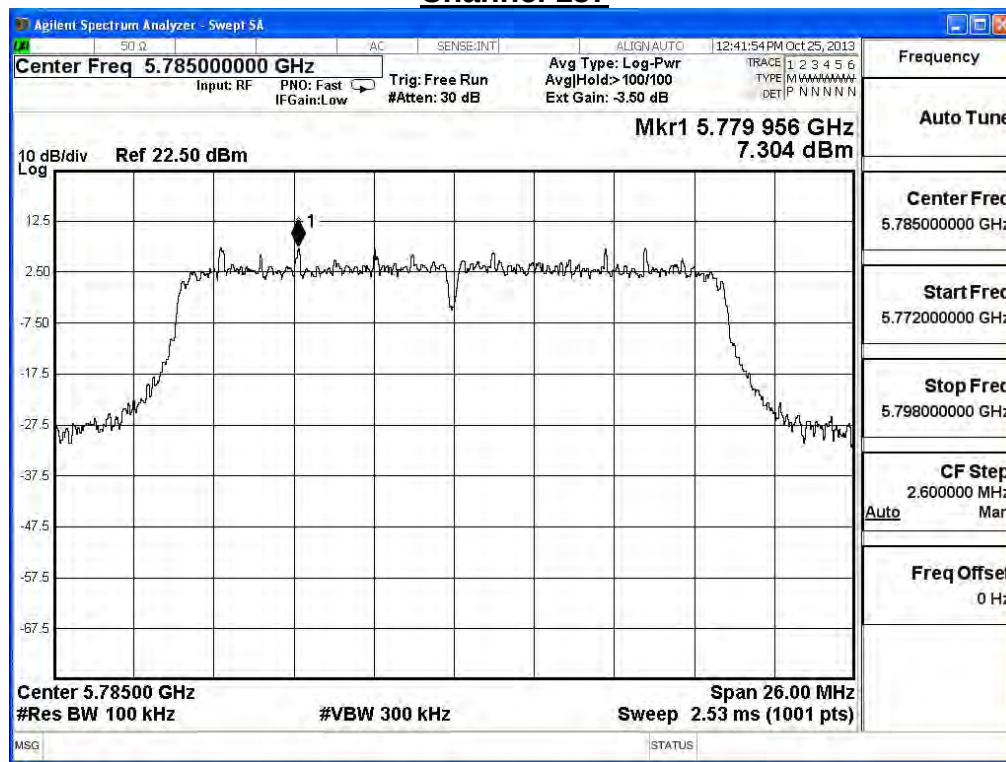
IEEE802.11n_20MHz_(ANT 0)

Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
149	5745	8.22	-6.98	≤ 8	Pass
157	5785	7.30	-7.90	≤ 8	Pass
165	5825	8.57	-6.63	≤ 8	Pass

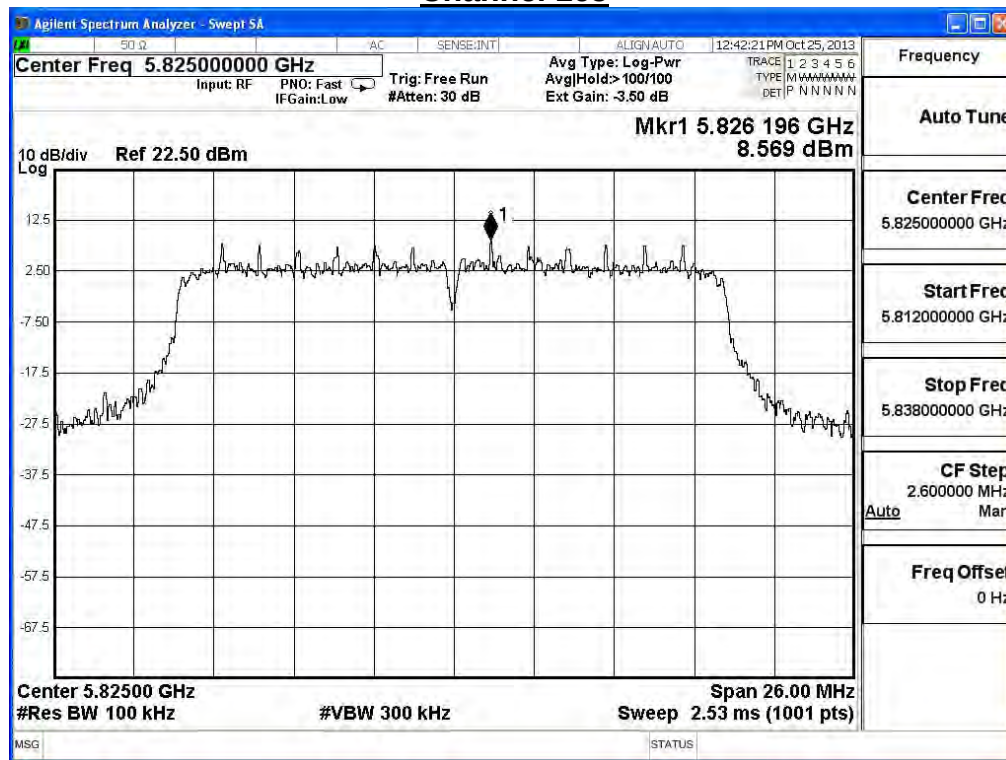
Channel 149



Channel 157



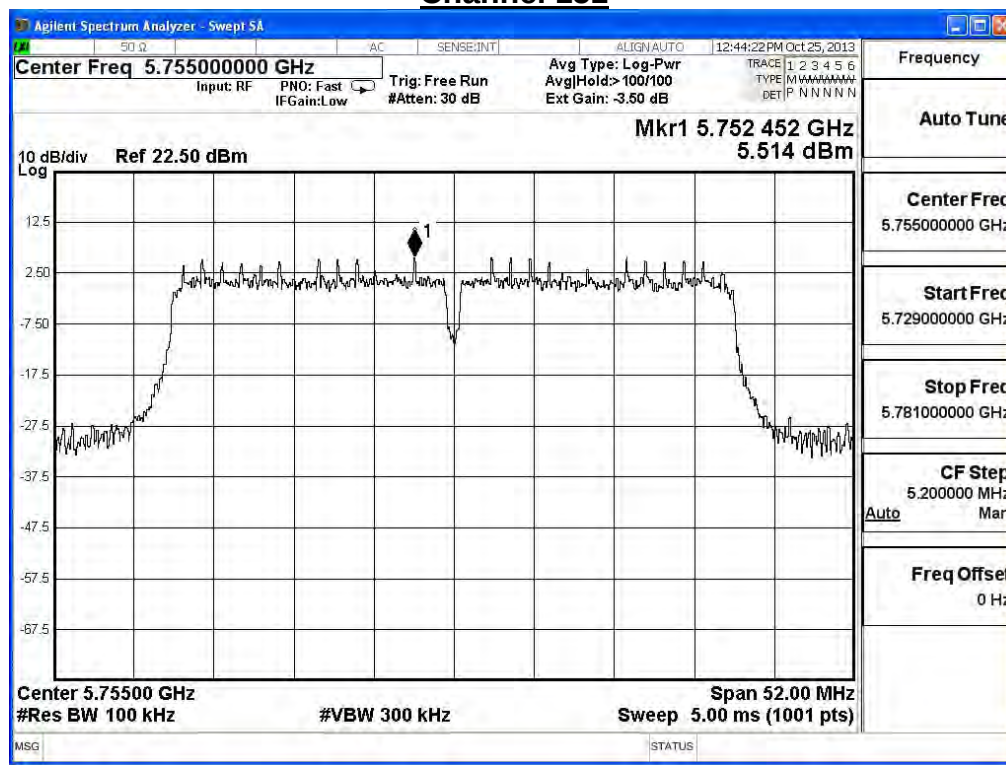
Channel 165



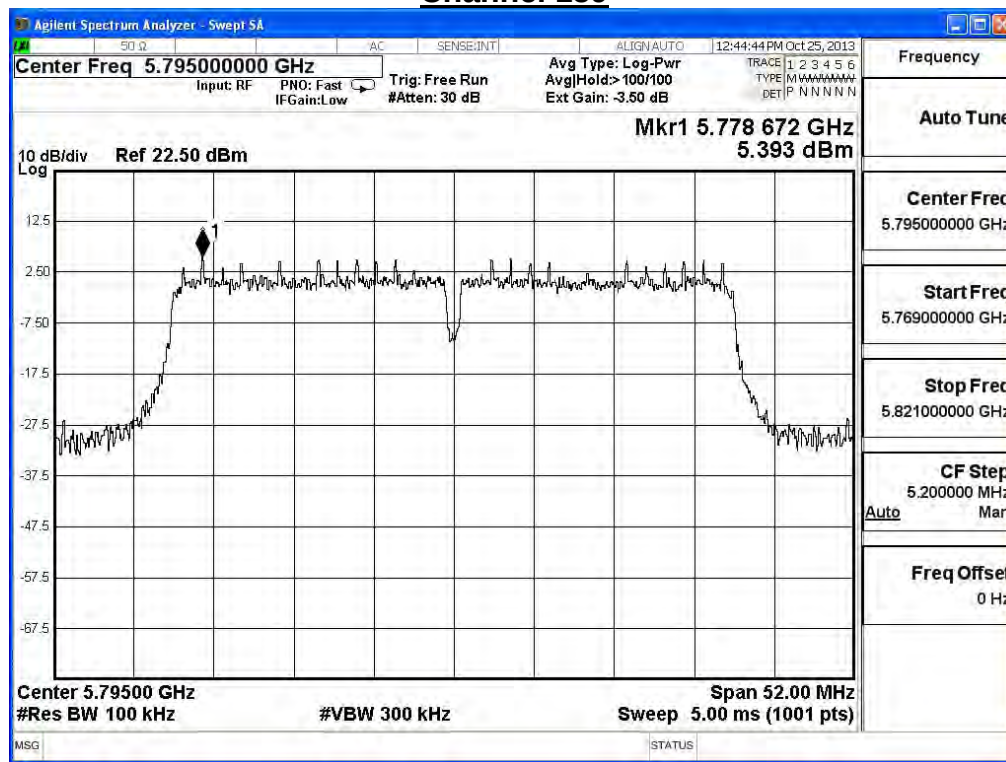
Product	802.11ac Dual Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	5.51	-9.69	≤ 8	Pass
159	5795	5.39	-9.81	≤ 8	Pass

Channel 151



Channel 159



Product	802.11ac Dual Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

IEEE802.11ac 80MHz(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	2.54	-12.66	≤ 8	Pass

Channel 155

