


FCC CERTIFICATION TEST REPORT

FOR

Applicant	:	Digital China Networks (Beijing) Limited
Address	:	Digital Technology Plaza, No.9 shangdi 9th street, Haidian District Beijing China
Equipment under Test	:	Wireless Access Point
Model No	:	WL8200-I2
FCC ID	:	2ABKCWL8200-I2
Trade Mark	:	
Manufacturer	:	Digital China Networks (Beijing) Limited
Address	:	Digital Technology Plaza, No.9 shangdi 9th street, Haidian District Beijing China

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

Add: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City,
Guangdong Province, China, 523808

Tel: +86-0769-22891499 [Http://www.dgddt.com](http://www.dgddt.com)

TABLE OF CONTENTS

- Test report declares.....4
- 1. Summary of test results 5
- 2. General test information..... 6
 - 2.1. Description of EUT 6
 - 2.2. Assistant equipment used for test..... 6
 - 2.3. Block diagram of EUT configuration for test 6
 - 2.4. Test environment conditions 7
 - 2.5. Test laboratory..... 7
 - 2.6. Measurement uncertainty 8
- 3. Emission Bandwidth 9
 - 3.1. Test equipment 9
 - 3.2. Block diagram of test setup 9
 - 3.3. Test Procedure..... 9
 - 3.4. Test Result..... 9
 - 3.5. The worst of the original test data 11
- 4. Maximum Peak Output Power 12
 - 4.1. Test equipment 12
 - 4.2. Block diagram of test setup 12
 - 4.3. Limits 12
 - 4.4. Test Procedure..... 13
 - 4.5. Test Result..... 13
- 5. Power Spectral Density 14
 - 5.1. Test equipment 14
 - 5.2. Block diagram of test setup 14
 - 5.3. Limits 14
 - 5.4. Test Procedure..... 14
 - 5.5. Test Result..... 14
 - 5.6. The worst of the original test data 15
- 6. Frequency Stability Measurement..... 16
 - 6.1. Limit of Frequency Stability 16
 - 6.2. Measuring Instruments 16
 - 6.3. Test Procedures 16
 - 6.4. Test Setup 17
 - 6.5. Test Result of Frequency Stability 17
- 7. Emissions in restricted frequency bands 17
 - 7.1. Test equipment 17

7.2.	Block diagram of test setup	18
7.3.	Limit	19
7.4.	Test Procedure	20
7.5.	Test result	21
8.	Band Edge Compliance	81
8.1.	Test equipment	81
8.2.	Block diagram of test setup	81
8.3.	Limit	81
8.4.	Test Procedure	81
8.5.	Test result	82
9.	Power Line Conducted Emission	127
9.1.	Test equipment	127
9.2.	Block diagram of test setup	127
9.3.	Power Line Conducted Emission Limits(Class B)	127
9.4.	Test Procedure	127
9.5.	Test Result	128
10.	Antenna Requirements	131
10.1.	Limit	131
10.2.	Result	131

TEST REPORT DECLARE

Applicant	:	Digital China Networks (Beijing) Limited
Address	:	Digital Technology Plaza, No.9 shangdi 9th street, Haidian District Beijing China
Equipment under Test	:	Wireless Access Point
Model No	:	WL8200-I2
FCC ID	:	2ABKCWL800-I2
Trade Mark	:	DCN
Manufacturer	:	Digital China Networks (Beijing) Limited
Address	:	Digital Technology Plaza, No.9 shangdi 9th street, Haidian District Beijing China

Test Standard Used: FCC Rules and Regulations Part 15 Subpart C: 2014.

Test procedure used: ANSI C63.4:2009, 789033 D02 General UNII Test Procedures New Rules v01.

We Declare:

The equipment described above is tested by Dongguan Dongdian Testing Service Co., Ltd and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Dongguan Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No:	DDT-REN140448		
Date of Test:	Jan. 24, 2015~Feb. 5, 2015	Date of Report:	Feb. 5, 2015

Prepared By:


Leo Liu/Engineer

Approved By:

Jamy Yu/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

1. Summary of test results

The EUT have been tested according to the applicable standards as referenced below.

Description of Test Item	Standard	Results
Emission Bandwidth	FCC Part 15: 15.407(a)	PASS
Peak Output Power	FCC Part 15: 15.407(a)	PASS
Power Spectral Density	FCC Part 15: 15.407(a)	PASS
Frequency Stability Measurement	FCC Part 15: 15.407(g)	PASS
Emissions in restricted frequency bands	FCC Part 15: 15.209 FCC Part 15: 15.407(a)	PASS
Band Edge Compliance	FCC Part 15: 15.209 FCC Part 15: 15.407(a)	PASS
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.4:2009	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

2. General test information

2.1. Description of EUT

EUT* Name	: Wireless Access Point
Model Number	: WL8200-I2
EUT function description	: Please reference user manual of this device
Power supply	: DC 12V from external power adapter : Note: This device not sales with power adapter, and a typical power adapter was by provided by Manufacturer for test.
Radio Technology	: IEEE802.11n/a/ac
FCC Operation frequency	: IEEE 802.11n HT20: 5180MHz—5240MHz,5745MHz—5825MHz IEEE 802.11n HT40: 5190MHz—5230MHz,5755MHz—5795MHz IEEE 802.11a:5180MHz—5240MHz,5745MHz—5825MHz IEEE 802.11ac HT20:5180MHz—5240MHz,5745MHz—5825MHz IEEE 802.11ac HT40:5190MHz—5230MHz,5755MHz—5795MHz IEEE 802.11ac HT40:5210MHz, 5775MHz
Modulation	: IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK,BPSK) : IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK,BPSK) : IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK,BPSK)
Antenna Type	: 5G: Integrated Patch Antenna, 2dBi Single root Antenna gain.
Date of Receipt	: 2015/1/24
Sample Type	: Series production

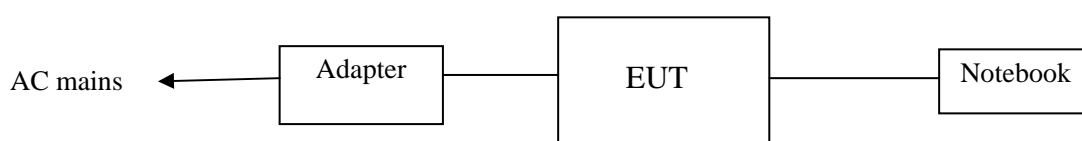
Note1:5G: Integrated Patch Antenna, 2dBi Single root Antenna gain. MIMO 2X2 directional gain = $2 + 10 \log 2 = 5$ dBi.

Note2: EUT is the ab.of equipment under test.

2.2. Assistant equipment used for test

Description of Assistant equipment	Manufacturer	Model number or Type	EMC Compliance	SN
Notebook	DELL	Latitude D610	FCC DOC	00045-534-136-300
Adapter	ShenZhen Teng Da Xing Electron Co., Ltd	TDX-1202000	FCC VOC	/

2.3. Block diagram of EUT configuration for test



The test software “artgui.exe” provided by manufacturer to control EUT work in Continuous TX mode

(>98% duty cycle), and select test channel, wireless mode and data rate.

Tested mode, channel, and data rate information			
Mode	data rate (Mbps) (see Note)	Channel	Frequency (MHz)
IEEE 802.11n HT20	6.5	Low :CH36	5180
	6.5	Middle: CH40	5200
	6.5	High: CH48	5240
	6.5	Low :CH149	5745
	6.5	Middle: CH157	5785
	6.5	High: CH165	5825
IEEE 802.11n HT40	13.5	Low :CH38	5190
	13.5	High: CH46	5230
	13.5	Low :CH151	5755
	13.5	High: CH159	5795
IEEE 802.11a	6	Low :CH36	5180
	6	Middle: CH40	5200
	6	High: CH48	5240
	6	Low :CH149	5745
	6	Middle: CH157	5785
	6	High: CH165	5825
IEEE 802.11ac HT20	6.5	Low :CH36	5180
	6.5	Middle: CH40	5200
	6.5	High: CH48	5240
	6.5	Low :CH149	5745
	6.5	Middle: CH157	5785
	6.5	High: CH165	5825
IEEE 802.11ac HT40	13.5	Low :CH38	5190
	13.5	High: CH46	5230
	13.5	Low :CH151	5755
	13.5	High: CH159	5795
IEEE 802.11ac HT80	13.5	CH44	5210
	13.5	CH155	5775

Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.

2.4. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-25°C
Humidity range:	40-75%
Pressure range:	86-106kPa

2.5. Test laboratory

Dongguan Dongdian Testing Service Co., Ltd

Add: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong

Province, China, 523808 Tel: +86-0769-22891499 <http://www.dgddt.com>

FCC Registration Number: 270092 Industry Canada site registration number: 10288A-1

2.6. Measurement uncertainty

Test Item	Uncertainty
Occupied Channel Bandwidth	±1%
Uncertainty for radio frequency	1×10^{-9}
RF Output power, conducted	±0.6dB
Power Spectral Density, Conducted	±1.2dB
Unwanted Emissions, Conducted	±0.6dB
Temperature	±0.2°C
Humidity	±1%
DC and Low frequency voltage	±0.5%
Time	±1%
Duty Cycle	±1%
Uncertainty for Radiation Emission test (30MHz-1GHz)	3.14 dB (Polarize: V)
	3.16 dB (Polarize: H)
Uncertainty for Radiation Emission test (1GHz to 25GHz)	2.08dB(Polarize: V)
	2.56dB (Polarize: H)
Uncertainty for Conduction emission test(150KHz-30MHz)	2.44dB
Uncertainty for Radiation Emission test (9KHz-150KHz)	3.89dB
Uncertainty for Radiation Emission test (150KHz-30MHz)	3.21dB

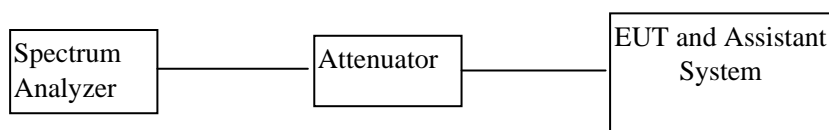
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. Emission Bandwidth

3.1. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum analyzer	R&S	FSU	1166.1660.26	2014/10/25	1 Year
2	Attenuator	Mini-Circuits	BW-S10W2	101109	2014/10/25	1 Year
3	RF Cable	Micable	C10-01-01-1	100309	2014/10/25	1 Year

3.2. Block diagram of test setup



3.3. Test Procedure

- (1) Configure EUT and assistant system according clause 2.3 and 3.2
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (3) Configure EUT work in test mode as stated in clause 2.3.
- (4) Set the spectrum analyzer as follows:

RBW:	1MHz
VBW:	3MHz
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold
- (5) Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB and 6dB relative to the maximum level measured in the fundamental emission.

3.4. Test Result

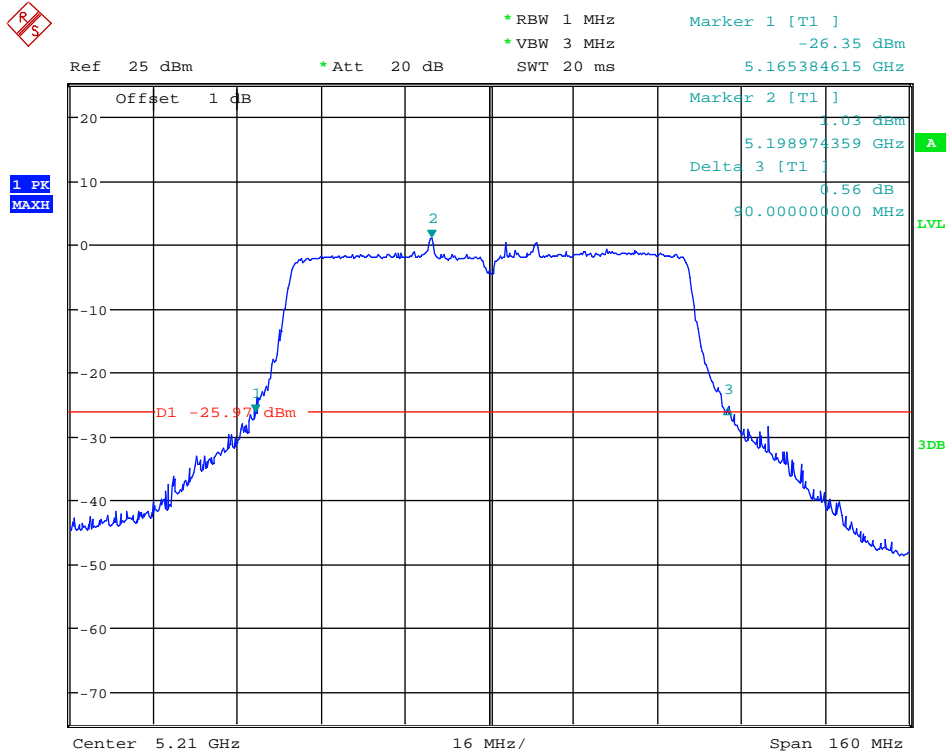
5150-5250MHz Band/Mode	CH or Frequency	26dB bandwidth Result (MHz)	Mode	CH or Frequency	26dB bandwidth Result (MHz)
Channel 0					
11a	CH36	23.08	11ac HT 20	CH36	23.80
	CH40	23.07		CH40	23.65
	CH48	23.05		CH48	23.42
11n HT20	CH36	24.28	11ac HT 40	CH38	43.84
	CH40	24.21		CH46	44.25

	CH48	24.12			
11n HT 40	CH38	43.33	11ac HT 80	CH44	90.00
	CH46	43.25			
Channel 1					
11a	CH36	23.08	11ac HT 20	CH36	23.76
	CH40	23.06		CH40	23.69
	CH48	23.07		CH48	23.58
11n HT20	CH36	23.23	11ac HT 40	CH38	43.82
	CH40	23.22		CH46	43.68
	CH48	23.22			43.57
11n HT 40	CH38	43.72	11ac HT 80	CH44	89.97
	CH46	43.71			
Limit: --			Conclusion: PASS		
Test Date : 2015-2-4			Test Engineer : Leo Liu		

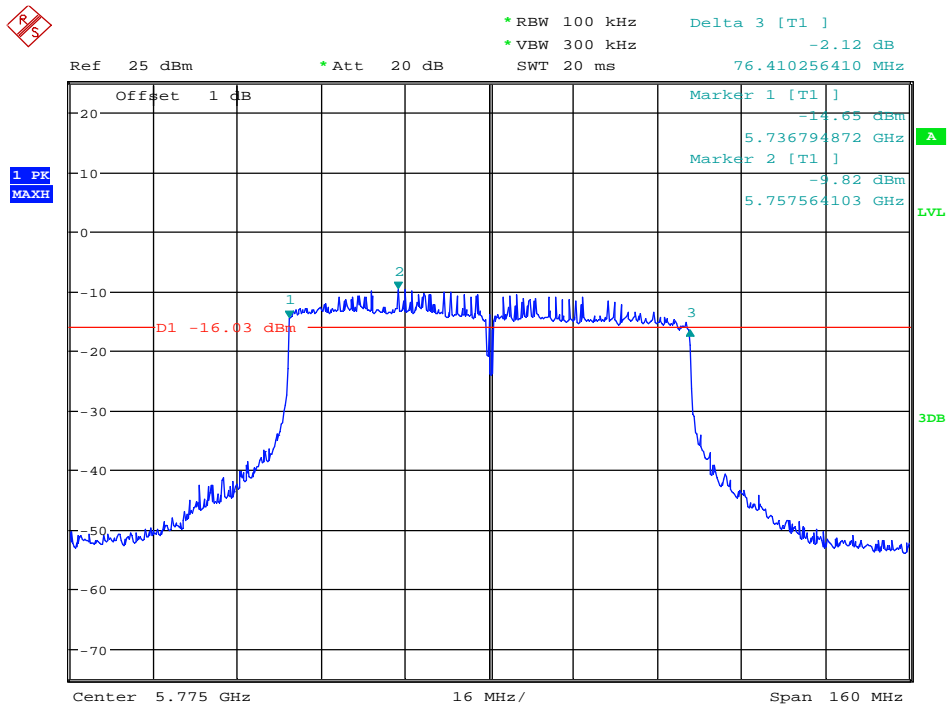
5725-5850MHz Band/Mode	CH or Frequency	6dB bandwidth Result (MHz)	26dB bandwidth Result (MHz)	Mode	CH or Frequency	6dB bandwidth Result (MHz)	26dB bandwidth Result (MHz)
Channel 0							
11a	CH149	16.51	24.21	11ac HT 20	CH149	17.71	24.68
	CH157	16.51	23.97		CH157	17.71	24.93
	CH165	17.63	24.15		CH165	17.71	24.94
11n HT20	CH149	17.79	24.87	11ac HT 40	CH151	36.41	46.41
	CH157	17.79	24.47		CH159	36.54	46.15
	CH165	17.81	24.78		/	/	
11n HT 40	CH151	36.54	46.08	11ac HT 80	CH155	76.41	88.33
	CH159	36.54	46.41				
Channel 1							
11a	CH149	16.53	24.32	11ac HT 20	CH149	17.71	24.95
	CH157	16.53	23.95		CH157	17.72	24.46
	CH165	17.63	24.25		CH165	17.71	24.13
11n HT20	CH149	17.78	24.91	11ac HT 40	CH151	36.42	46.67
	CH157	17.78	24.49		CH159	36.54	46.32
	CH165	17.78	24.47		/	/	
11n HT 40	CH151	36.55	46.14	11ac HT 80	CH155	76.36	88.26
	CH159	36.54	46.36		/	/	
Limit: >500KHz				Conclusion: PASS			
Test Date : 2015-2-4				Test Engineer : Leo Liu			

3.5. The worst of the original test data

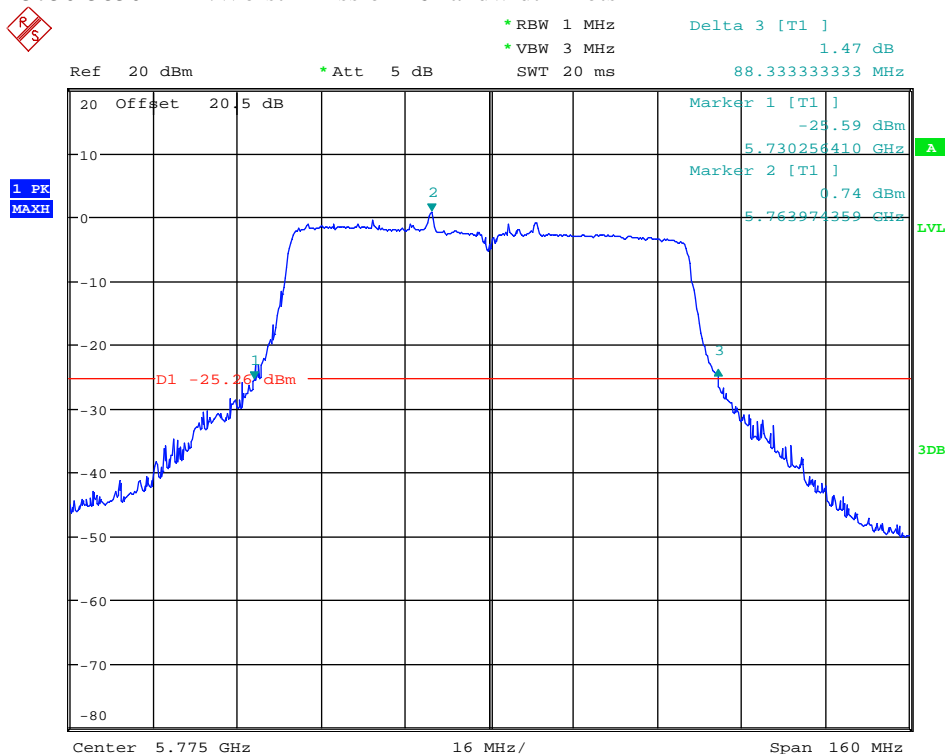
5150-5250 MHz:Worst Emission 26Bandwidth Plots



5750-5850 MHz:Worst Emission 6Bandwidth Plots



5750-5850 MHz:Worst Emission 26Bandwidth Plots

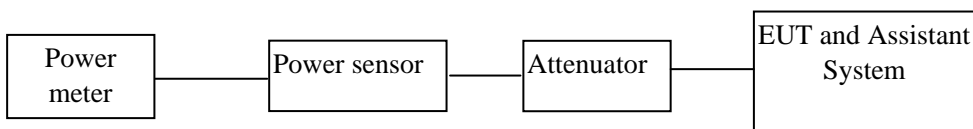


4. Maximum Peak Output Power

4.1. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Power meter	Anritsu	ML2495A	1203234	2014/10/25	1 Year
2	Power sensor	Anritsu	MA2411B	1243433	2014/10/25	1 Year
3	Attenuator	Mini-Circuits	BW-S10W2	101109	2014/10/25	1 Year
4	RF Cable	Micable	C10-01-01-1	100309	2014/10/25	1 Year

4.2. Block diagram of test setup



4.3. Limits

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6

dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.4. Test Procedure

- (1) Configure EUT and assistant system according clause 2.3 and 4.2
- (2) Connect each EUT's antenna output to power sensor by RF cable and attenuator
- (3) Configure EUT work in test mode as stated in clause 2.3.
- (4) Add each antenna port's results to get the total output power of EUT.

4.5. Test Result

5150-5250MHz Band				
Mode	CH	Channel0	Channel1	Result
		PK Level (dBm)	PK Level (dBm)	PK Total Power
11a	CH36	10.36	10.45	13.42
	CH40	10.36	10.23	13.31
	CH48	10.54	10.42	13.49
11n HT20	CH36	9.65	9.45	12.56
	CH40	9.36	9.63	12.51
	CH48	9.54	9.62	12.59
11n HT40	CH38	9.45	9.32	12.40
	CH46	9.68	9.62	12.66
11ac HT20	CH36	9.58	9.43	12.52
	CH40	9.67	9.62	12.66
	CH48	9.47	9.62	12.56
11ac HT40	CH38	9.36	9.63	12.51
	CH46	9.58	9.48	12.54
11ac HT80	CH45	9.58	9.96	12.78
Limit: 17dBm			Conclusion: PASS	
Test Date :2015-2-4			Test Engineer : Leo Liu	

5725-5850MHz Band				
Mode	CH	Channel0	Channel1	Result
		PK Level (dBm)	PK Level (dBm)	PK Total Power
11a	CH149	18.69	19.04	21.88
	CH157	18.99	19.80	22.42
	CH165	18.84	19.78	22.35
11n HT20	CH149	18.05	19.02	21.57
	CH157	18.69	18.96	21.84
	CH165	18.45	18.76	21.62
11n HT40	CH151	20.87	20.02	23.48
	CH159	19.65	20.54	23.13
11ac HT20	CH149	18.08	19.12	21.64
	CH157	18.87	18.87	21.88
	CH165	18.47	18.74	21.62
11ac HT40	CH151	20.91	20.00	23.49
	CH159	19.64	20.53	23.12
11ac HT80	CH155	18.12	18.56	21.36
Limit: 30dBm			Conclusion: PASS	
Test Date :2015-2-4			Test Engineer : Leo Liu	

5. Power Spectral Density

5.1. Test equipment

Same with 3.1

5.2. Block diagram of test setup

Same with 3.2

5.3. Limits

For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 17 dBm in any 1-MHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.825-5.85 GHz,, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission

5.4. Test Procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

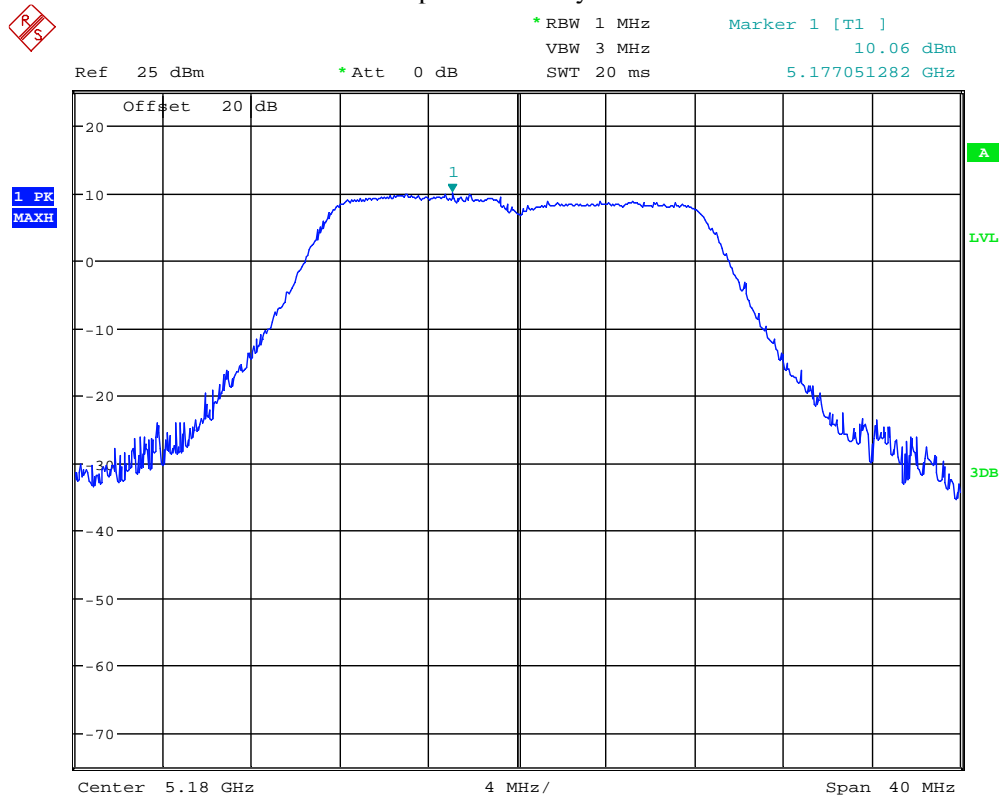
5.5. Test Result

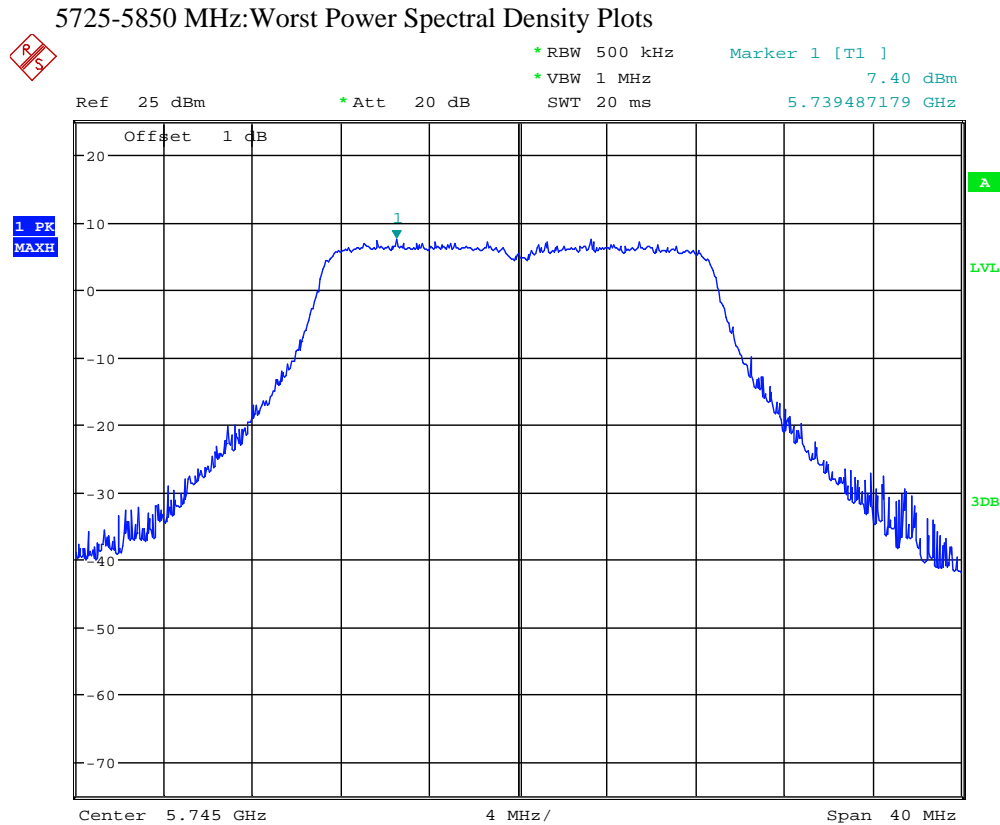
5150-5250MHz Band				
Mode	CH	Channel0 (dBm/1MHz)	Channel1 (dBm/1MHz)	Result (dBm/1MHz)
11a	CH36	9.41	9.37	12.39
	CH40	9.40	9.33	12.37
	CH48	9.54	9.25	12.40
11n HT20	CH36	9.55	9.45	12.50
	CH40	9.54	9.34	12.44
	CH48	9.47	9.33	12.40
11n HT40	CH38	5.18	5.08	8.13
	CH46	5.12	5.09	8.11
11ac HT20	CH36	9.97	10.06	13.01
	CH40	9.56	9.54	12.60
	CH48	9.68	9.36	12.52
11ac HT40	CH38	5.30	5.21	8.26
	CH46	5.65	3.25	7.45
11ac HT80	CH45	4.02	3.32	6.67
Limit: 17dBm/1MHz			Conclusion: PASS	
Test Date :2015-2-4			Test Engineer : Leo Liu	
5725-5850MHz Band				
Mode	CH	Channel0 (dBm/30KHz)	Channel1 (dBm/30KHz)	Result (dBm/30KHz)
11a	CH149	6.58	6.51	9.56
	CH157	6.70	6.78	9.74
	CH165	6.05	5.98	9.02

11n HT20	CH149	7.21	7.17	10.21
	CH157	6.63	6.58	9.61
	CH165	5.68	5.52	8.60
11n HT40	CH151	3.74	3.85	6.80
	CH159	3.22	3.41	6.32
11ac HT20	CH149	7.40	7.25	10.33
	CH157	6.74	6.71	9.73
	CH165	5.91	6.02	8.97
11ac HT40	CH151	3.04	3.15	6.10
	CH159	3.32	3.42	6.37
11ac HT80	CH155	-2.95	-2.98	0.035
Limit: 8dBm/3KHz			Conclusion: PASS	
Test Date :2015-2-4			Test Engineer : Leo Liu	

5.6. The worst of the original test data

5150-5250 MHz:Worst Power Spectral Density Plots





6. Frequency Stability Measurement

6.1. Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

6.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

6.3. Test Procedures

The transmitter output (antenna port) was connected to the spectrum analyser. EUT have transmitted absence of modulation signal and fixed channelize. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f) / f_c \times 10^6$ ppm and the limit is less than ± 20 ppm (IEEE 802.11a specification). The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

Extreme temperature rule is $-10^\circ\text{C} \sim 50^\circ\text{C}$.

6.4. Test Setup

Same with 3.2

6.5. Test Result of Frequency Stability

NTX	Channel	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)
1	36	5180	5180.019	0.019	3.67	25	10.2
1	36	5180	5180.024	0.024	4.63	25	13.8
1	36	5180	5180.025	0.025	4.83	55	12
1	36	5180	5180.031	0.031	5.98	45	12
1	36	5180	5180.029	0.029	5.6	35	12
1	36	5180	5180.041	0.041	7.92	25	12
1	36	5180	5180.044	0.044	8.49	10	12
1	36	5180	5180.054	0.054	1.04	0	12
1	36	5180	5180.032	0.032	6.18	-10	12

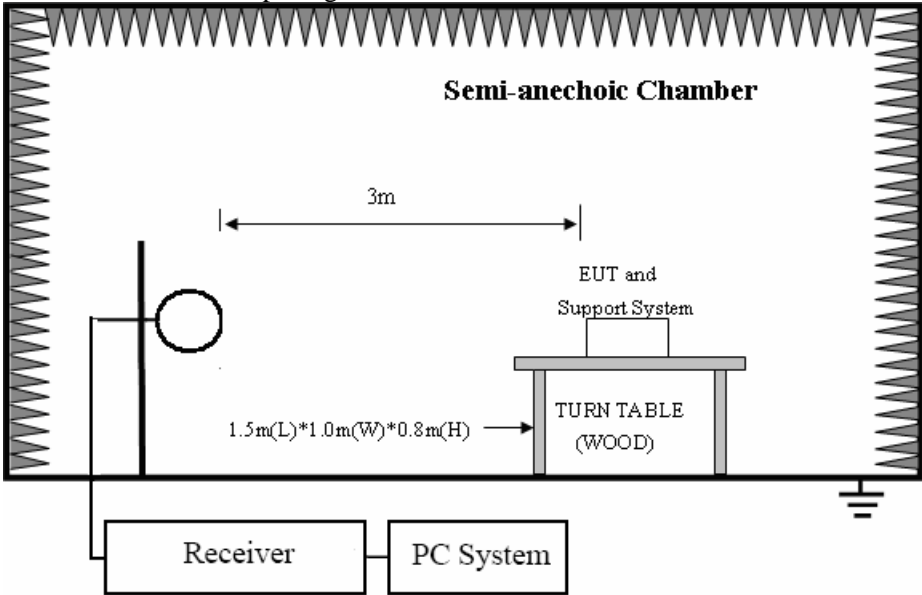
7. Emissions in restricted frequency bands

7.1. Test equipment

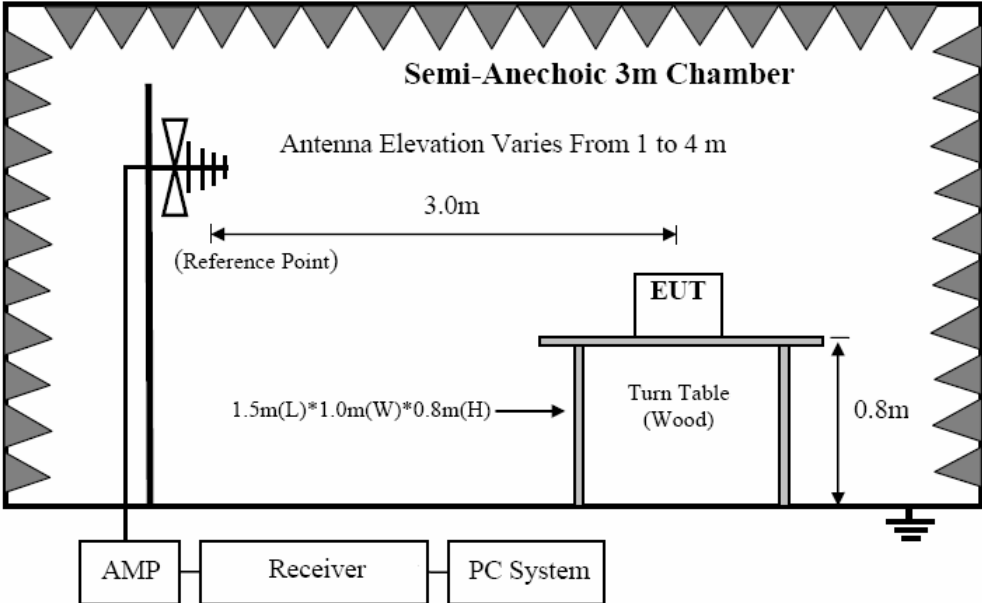
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	EMI Test Receiver	R&S	ESU8	100316	2014/10/25	1 Year
2	Spectrum analyzer	R&S	FSU	1166.1660.26	2014/10/25	1 Year
3	Active Loop antenna	Schwarzbeck	FMZB 1519	1519-038	2014/04/12	1 Year
4	Trilog Broadband Antenna	Schwarzbeck	VULB9163	9163-462	2014/04/12	1 Year
5	Double Ridged Horn Antenna	R&S	HF907	100276	2014/04/12	1 Year
6	Horn Antenna	EMCO	3116	00060095	2014/04/12	1 Year
7	Pre-amplifier	A.H.	PAM-1840VH	562	2014/10/25	1 Year
8	RF Cable	R&S	R01	10403	2014/10/25	1 Year
9	RF Cable	R&S	R02	10512	2014/10/25	1 Year

7.2. Block diagram of test setup

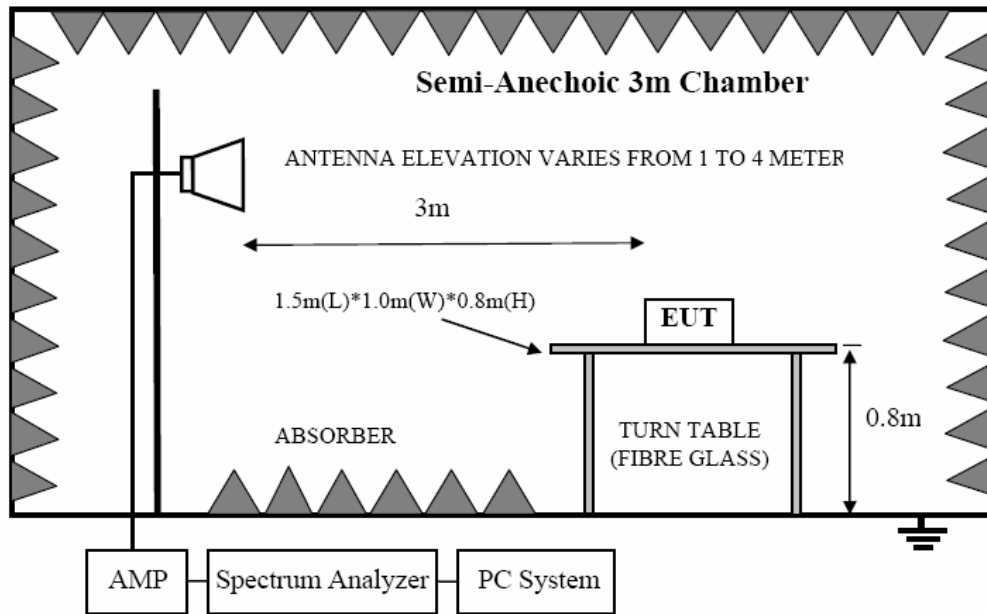
In 3m Anechoic Chamber Test Setup Diagram for 9KHz-30MHz



In 3m Anechoic Chamber Test Setup Diagram for 30MHz-1GHz



In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz



Note: For harmonic emissions test a appropriate high pass filter was inserted in the input port of AMP.

7.3. Limit

8.3.1 FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

8.3.2 FCC 15.209 Limit.

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		µV/m	dB(µV)/m
0.009 ~ 0.490	300	2400/F(KHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(KHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54

30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9-90KHz, 110-490KHz and above 1000MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3m}(\text{dBuV/m}) = \text{Limit}_{30m}(\text{dBuV/m}) + 40\text{Log}(30m/3m)$$

8.3.3 Limit for this EUT

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

7.4. Test Procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.
- (2) Setup EUT and assistant system according clause 2.3 and 7.2
- (3) Test antenna was located 3m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used
9KHz-30MHz	Active Loop antenna
30MHz-1GHz	Trilog Broadband Antenna
1GHz-18GHz	Double Ridged Horn Antenna(1GHz-18GHz)
18GHz-40GHz	Horn Antenna(18GHz-40GHz)

According ANSI C63.10:2009 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also be positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. for measurement above 30MHz, the Trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(4) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9KHz to 25GHz:

- (a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was

rotated 360 degree, the antenna height was varied from 1m to 4m(Except loop antenna, it's fixed 1m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9KHz to 25GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9KHz to 30MHz and 18GHz to 25GHz, so below final test was performed with frequency range from 30MHz to 18GHz.

(5) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10 2013 on Radiated Emission test.

(6) The emissions from 9KHz to 1GHz were measured based on CISPR QP detector except for the frequency bands 9-90KHz, 110-490KHz, for emissions from 9KHz-90KHz,110KHz-490KHz and above 1GHz were measured based on average detector, for emissions above 1GHz, peak emissions also be measured and need comply with Peak limit.

(7) The emissions from 9KHz to 1GHz, QP or average values were measured with EMI receiver with below RBW

Frequency band	RBW
9KHz-150KHz	200Hz
150KHz-30MHz	9KHz
30MHz-1GHz	120KHz

(8) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz, VBW is set at 3MHz , Peak detector for Peak measure , RMS detector for AV value

7.5. Test result

PASS. (See below detailed test result)

All the emissions except fundamental emission from 9KHz to 25GHz were comply with 15.209 limit.

Note1: According exploratory test no any obvious emission were detected from 9KHz to 30MHz and 18GHz to 25GHz, so the final test was performed with frequency range from 30MHz to 18GHz and recorded in below.

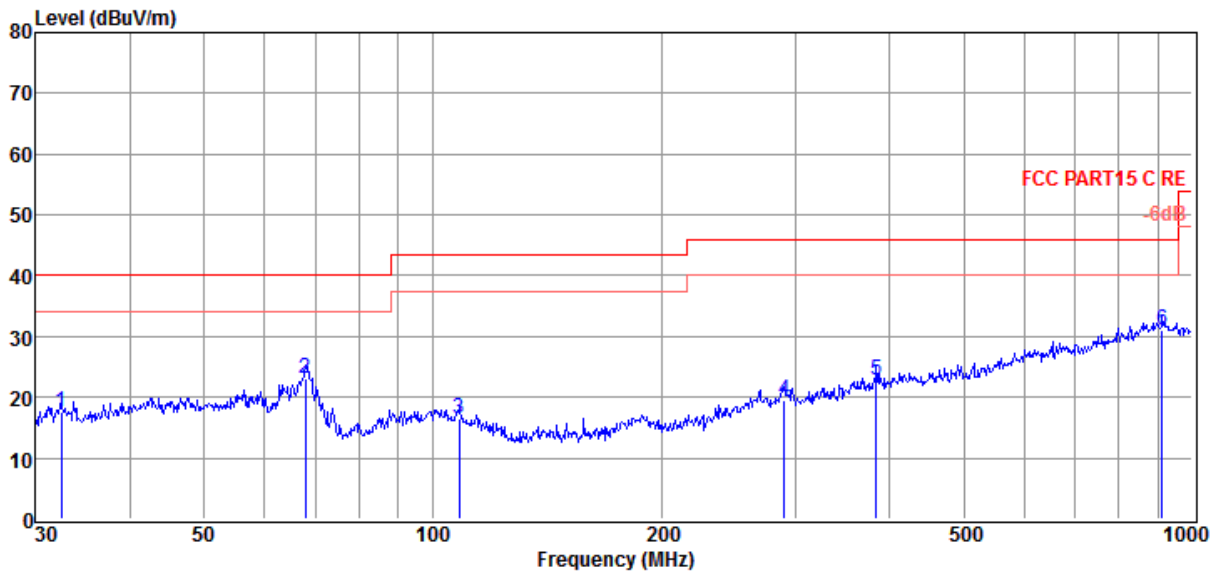
Note2: For emissions below 1GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1GHz, the final test was only performed with EUT working in 11a, Tx CH40 mode.

Note3: For below test data, when the limit tabular marked “/” means this frequency point is the fundamental emission and no need comply with this limit.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber **E:\2014 Report Data\QW140272\RE2.EM6**
Test Date : 2015-1-24 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : Tx mode
Condition : Temp:24.5'C,Humi:55%,
Antenna/Distance : VULB 9163 2014-05/3m/HORIZONTAL
 Press:100.1kPa
Memo :

Data: 3



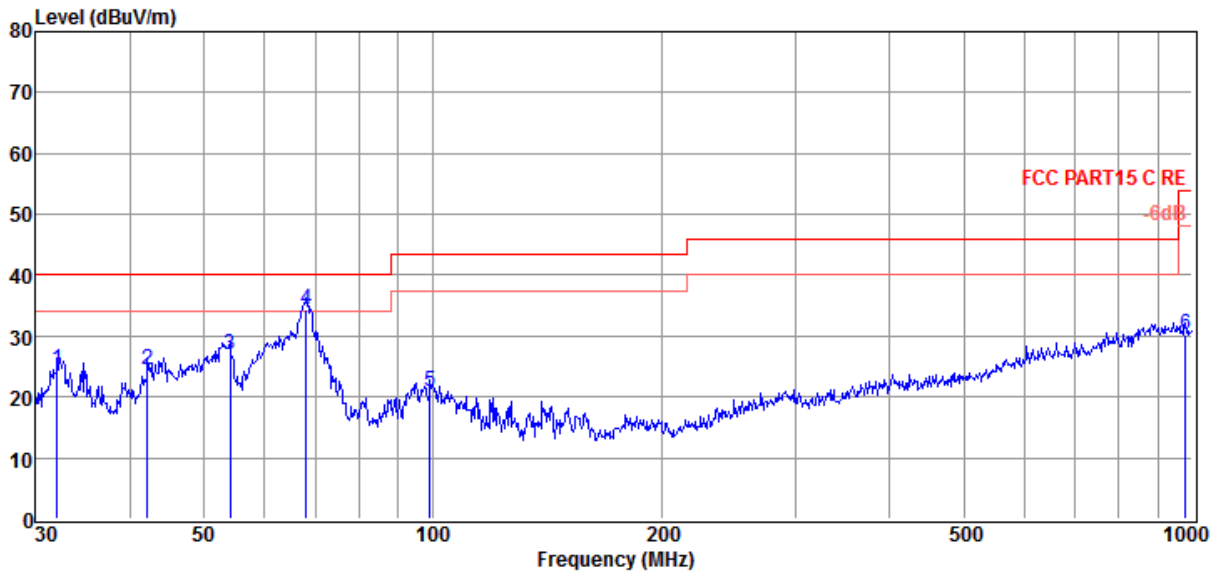
Item (Mark)	Freq (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Result Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	Detector	Polarization
1	32.41	4.82	11.95	0.92	17.69	40.00	-22.31	QP	HORIZONTAL
2	67.91	11.83	10.15	1.19	23.17	40.00	-16.83	QP	HORIZONTAL
3	108.27	2.71	12.30	1.52	16.53	43.50	-26.97	QP	HORIZONTAL
4	290.02	2.28	14.70	2.67	19.65	46.00	-26.35	QP	HORIZONTAL
5	383.93	4.14	15.58	3.18	22.90	46.00	-23.10	QP	HORIZONTAL
6	912.86	4.17	22.01	4.97	31.15	46.00	-14.85	QP	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber **E:**\2014 Report Data\QW140272\RE2.EM6
Test Date : 2015-1-24 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : Tx mode
Condition : Temp:24.5'C,Humi:55%, **Antenna/Distance** : VULB 9163 2014-05/3m/VERTICAL
 Press:100.1kPa
Memo :

Data: 4



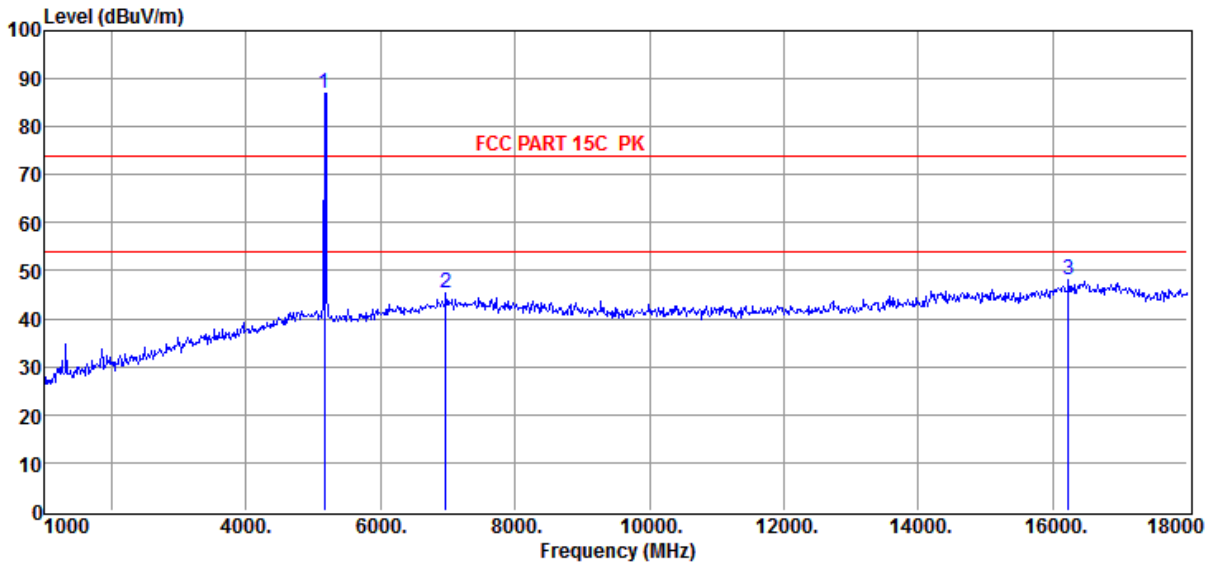
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	32.07	11.61	11.95	0.92	24.48	40.00	-15.52	QP	VERTICAL
2	42.15	9.43	14.00	1.01	24.44	40.00	-15.56	QP	VERTICAL
3	54.07	11.60	14.20	1.09	26.89	40.00	-13.11	QP	VERTICAL
4	68.15	23.06	10.15	1.19	34.40	40.00	-5.60	QP	VERTICAL
5	99.18	6.83	12.50	1.49	20.82	43.50	-22.68	QP	VERTICAL
6	979.18	3.86	21.34	5.07	30.27	54.00	-23.73	QP	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11a Tx mode 5180MHz
Condition : Temp:24.5°C,Humi:55%,
Antenna/Distance : 2014 HF907/3m/VERTICAL
 Press:100.1kPa
Memo :

Data: 51



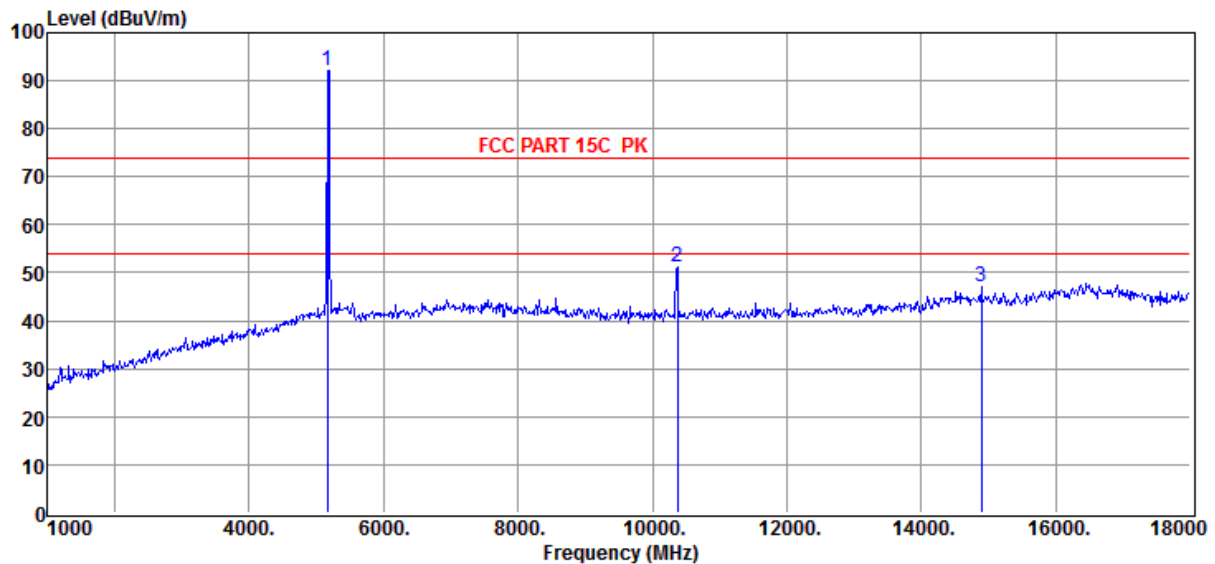
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5165.00	72.08	35.57	29.04	8.28	86.89	/	/	Peak	VERTICAL
2	6967.00	27.91	37.04	29.42	9.84	45.37	68.2	-22.83	Peak	VERTICAL
3	16232.00	27.40	43.38	36.53	13.72	47.97	68.2	-20.23	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11a Tx mode 5180MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 52



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5165.00	77.35	35.57	29.04	8.28	92.16	/	/	Peak	HORIZONTAL
2	10367.00	35.03	38.55	33.64	11.24	51.18	68.2	-17.02	Peak	HORIZONTAL
3	14889.00	27.62	42.01	35.95	13.40	47.08	68.2	-21.12	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

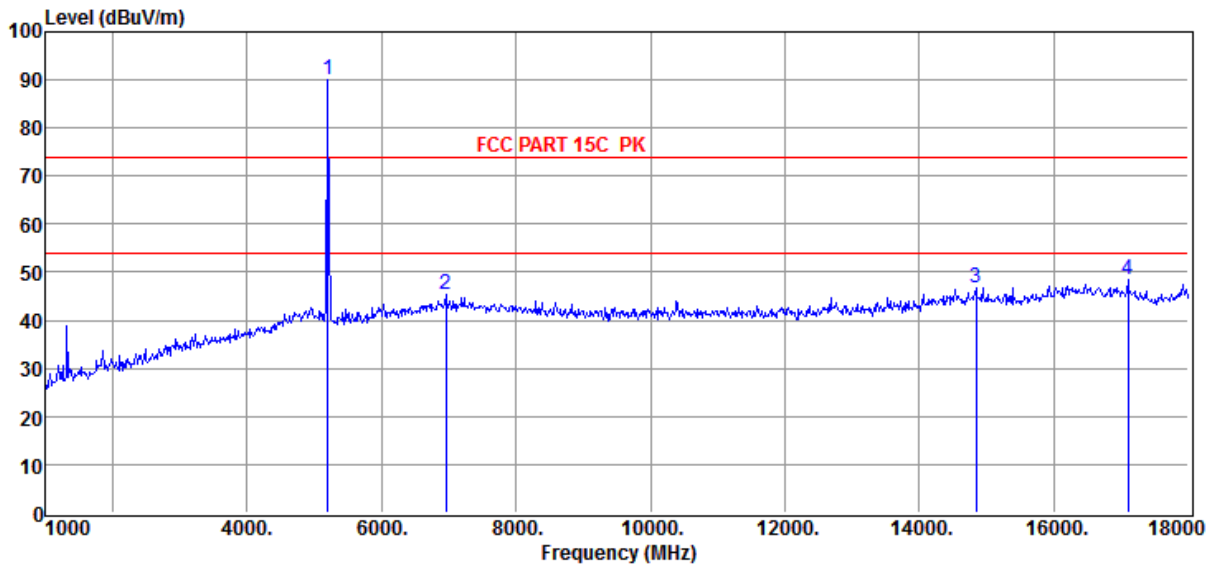
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber **E:** \2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11a Tx mode 5200MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 55



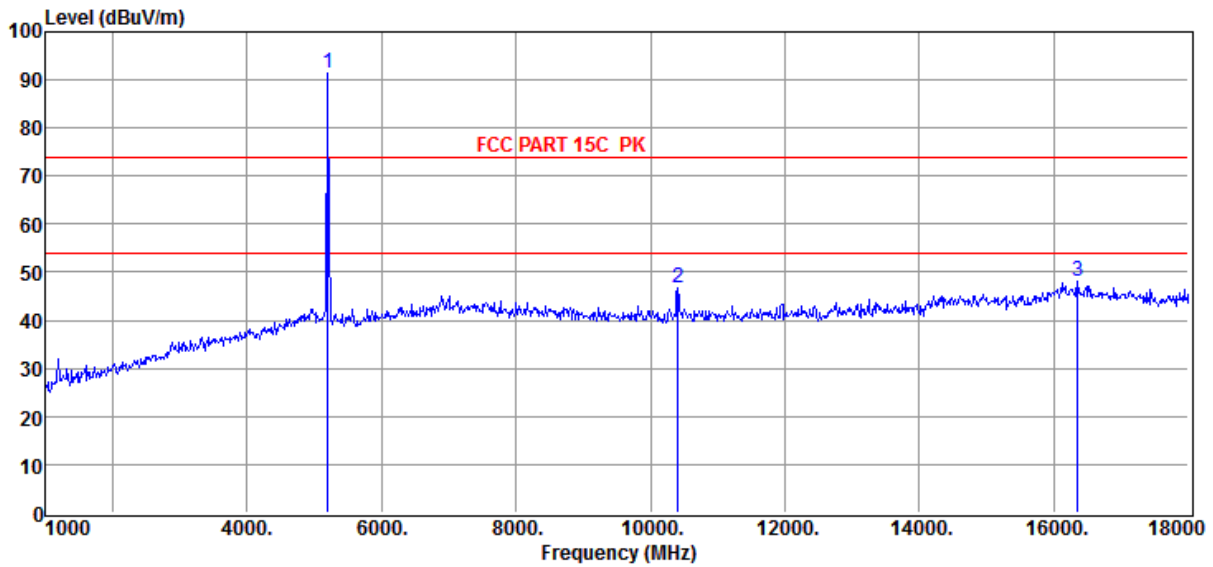
Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector	Polarization
1	5199.00	75.38	35.54	29.04	8.30	90.18	/	/	Peak	VERTICAL
2	6950.00	27.95	37.01	29.41	9.82	45.37	68.2	-22.83	Peak	VERTICAL
3	14838.00	27.24	41.97	35.92	13.39	46.68	68.2	-21.52	Peak	VERTICAL
4	17099.00	28.29	43.44	37.11	13.94	48.56	68.2	-19.64	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber **E:\2014 Report Data\QW140272\RF-5G.EM6**
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11a Tx mode 5200MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 56



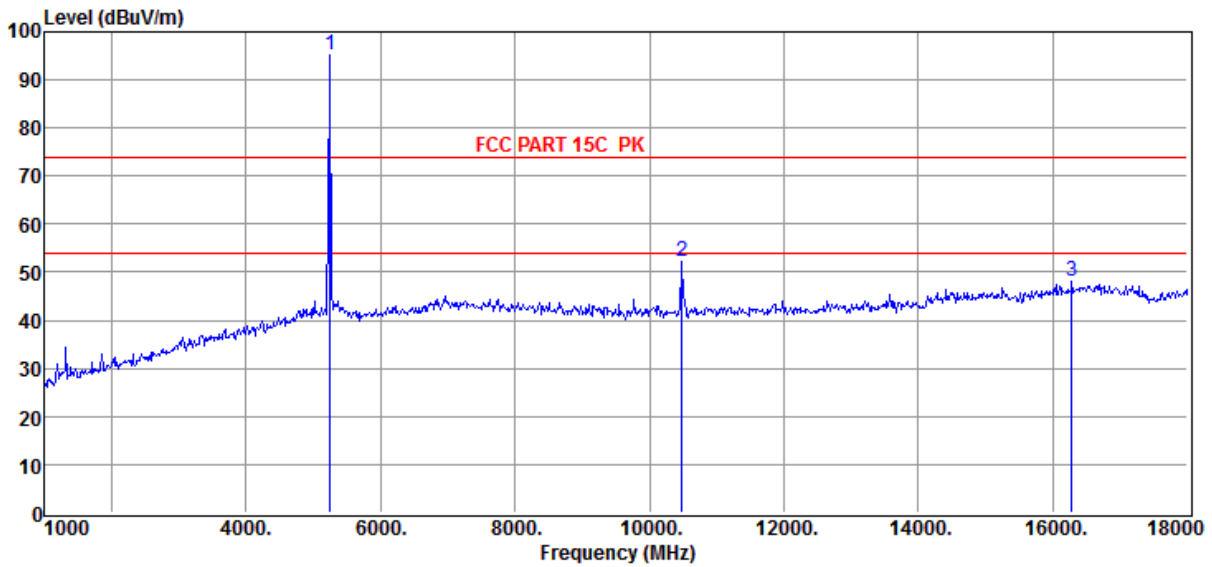
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5199.00	76.59	35.54	29.04	8.30	91.39	/	/	Peak	HORIZONTAL
2	10401.00	30.60	38.56	33.66	11.26	46.76	68.2	-21.44	Peak	HORIZONTAL
3	16351.00	27.57	43.52	36.58	13.74	48.25	68.2	-19.95	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11a Tx mode 5240MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 57



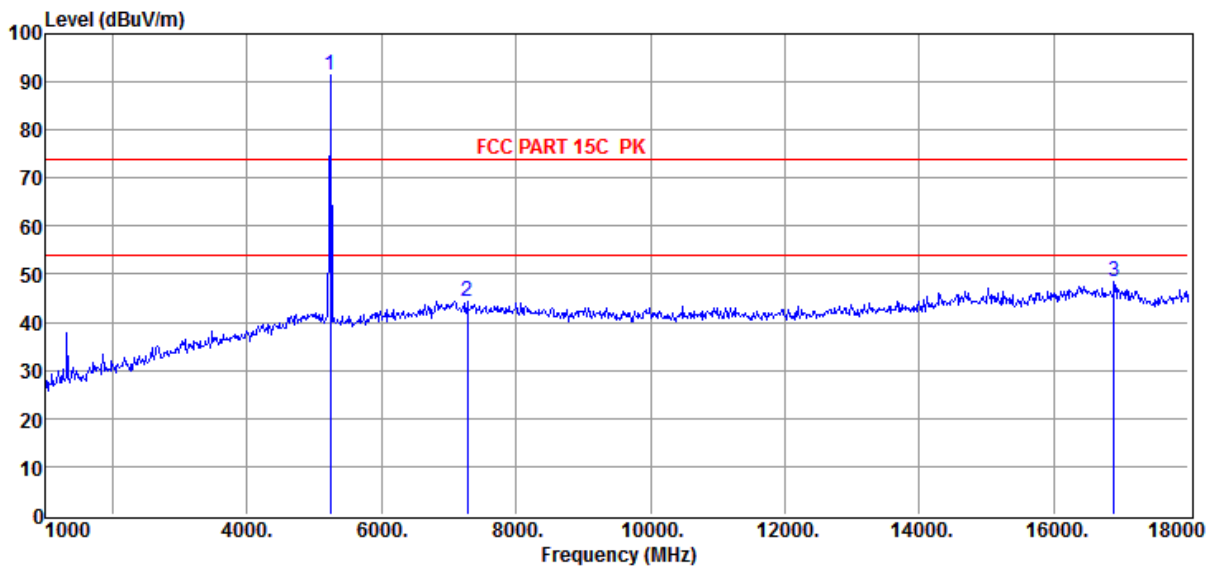
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5250.00	80.48	35.50	29.05	8.32	95.25	/	/	Peak	HORIZONTAL
2	10486.00	36.09	38.59	33.69	11.30	52.29	68.2	-15.91	Peak	HORIZONTAL
3	16283.00	27.65	43.44	36.56	13.73	48.26	68.2	-19.94	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11a Tx mode 5240MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 58



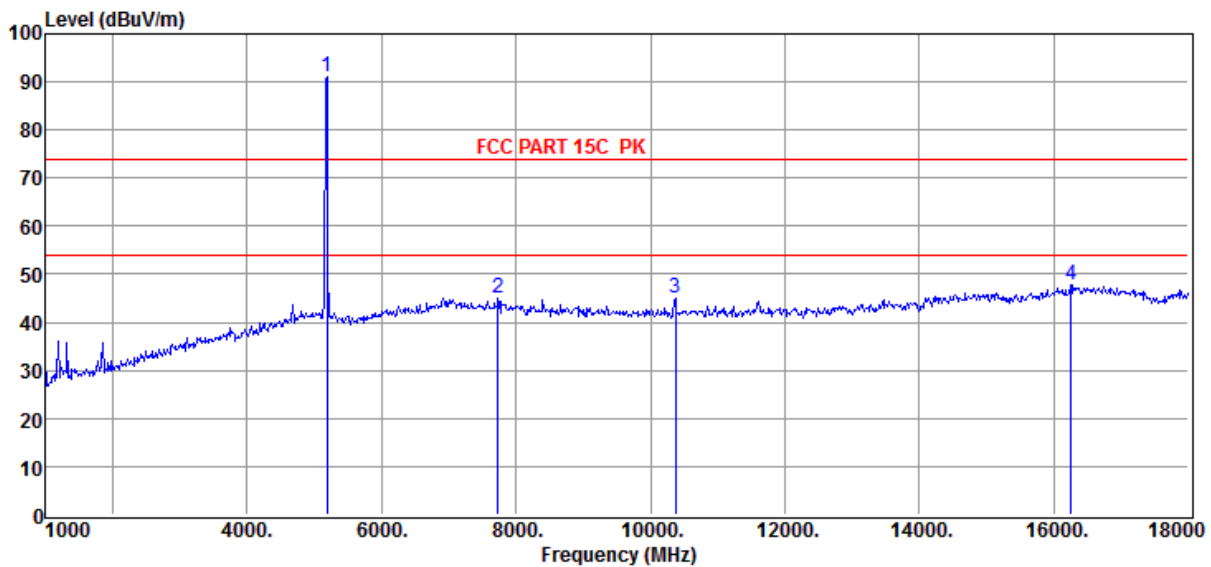
Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5233.00	76.47	35.51	29.05	8.32	91.25	/	/	Peak	VERTICAL
2	7273.00	26.95	37.27	29.74	9.95	44.43	68.2	-23.77	Peak	VERTICAL
3	16895.00	28.01	43.62	36.91	13.86	48.58	68.2	-19.62	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5180MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 63



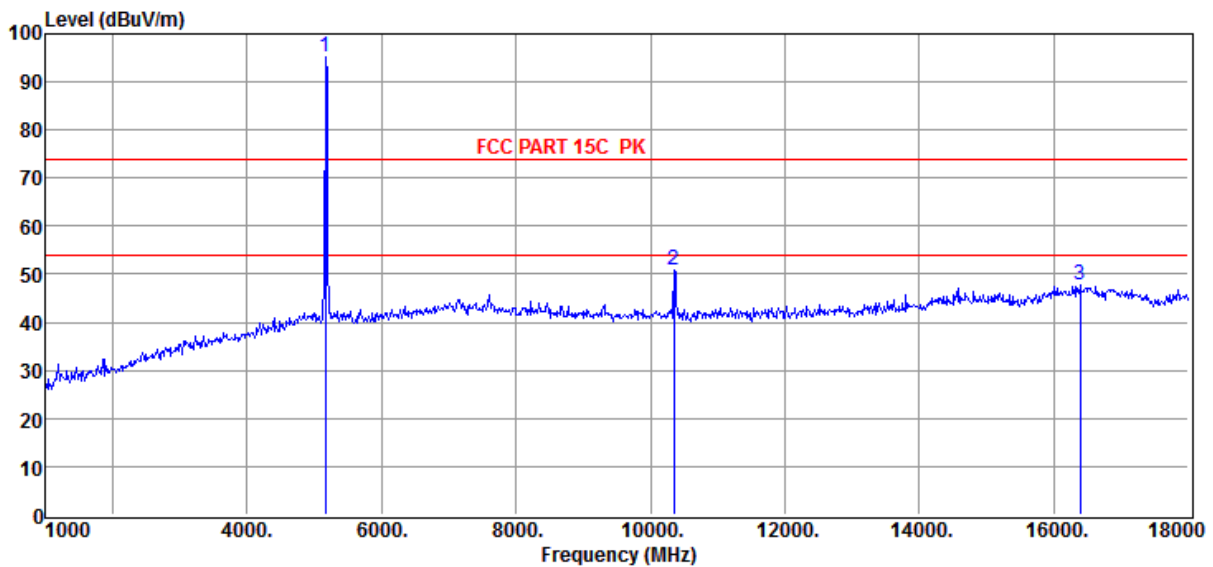
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5182.00	76.17	35.55	29.04	8.30	90.98	/	/	Peak	VERTICAL
2	7732.00	28.13	37.45	30.77	10.25	45.06	68.2	-23.14	Peak	VERTICAL
3	10367.00	28.77	38.55	33.64	11.24	44.92	68.2	-23.28	Peak	VERTICAL
4	16249.00	27.02	43.40	36.55	13.73	47.60	68.2	-20.6	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5180MHz
Condition : Temp:24.5'C,Humi:55%,
Antenna/Distance : 2014 HF907/3m/HORIZONTAL
 Press:100.1kPa
Memo :

Data: 64



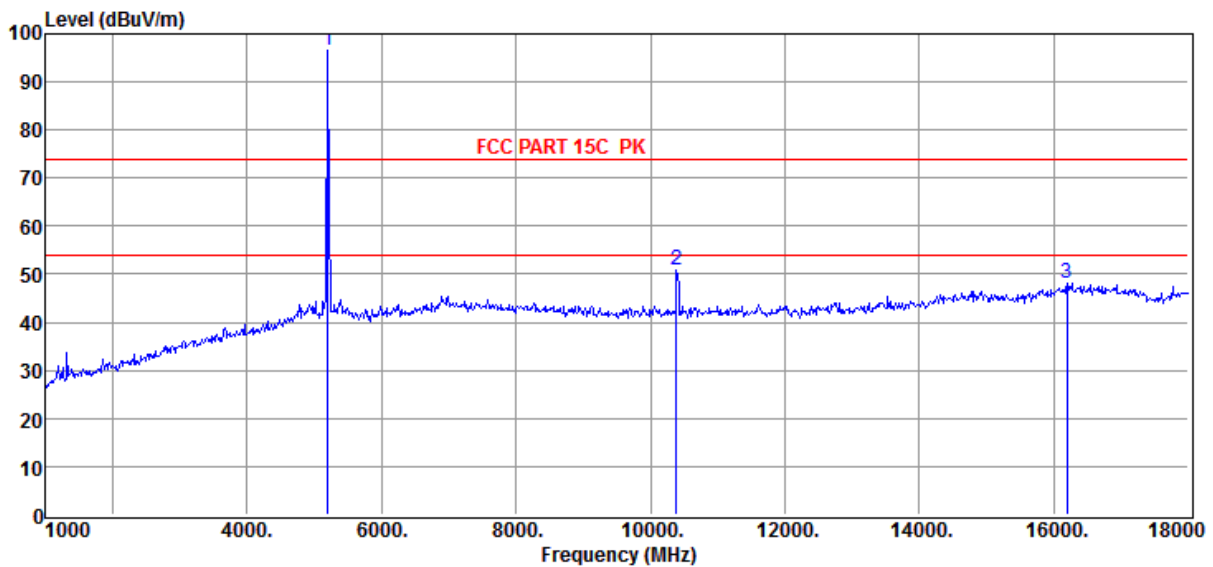
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5165.00	80.45	35.57	29.04	8.28	95.26	/	/	Peak	HORIZONTAL
2	10350.00	34.59	38.54	33.63	11.22	50.72	68.2	-17.48	Peak	HORIZONTAL
3	16385.00	26.93	43.56	36.60	13.74	47.63	68.2	-20.57	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber		E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-05	Tested By	: Leo
EUT	: Wireless Access Point	Model Number	: WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode	: 11n HT20 Tx mode 5200MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance	: 2014 HF907/3m/HORIZONTAL
Memo	:		

Data: 65



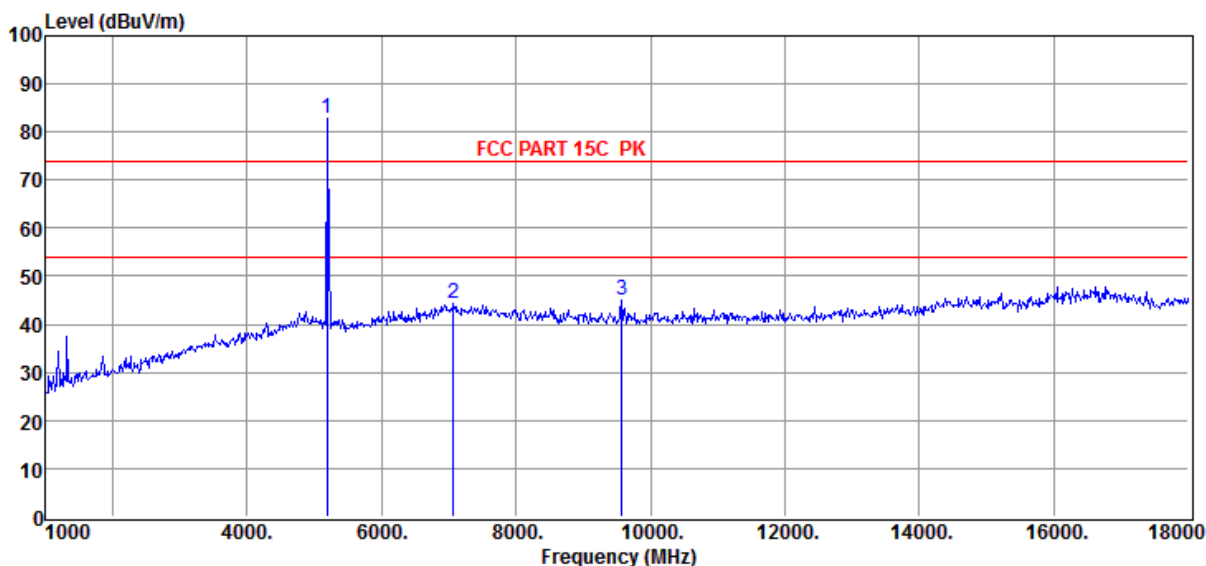
Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5199.00	81.68	35.54	29.04	8.30	96.48	/	/	Peak	HORIZONTAL
2	10384.00	34.72	38.55	33.64	11.24	50.87	68.2	-23.13	Peak	HORIZONTAL
3	16198.00	27.53	43.34	36.52	13.72	48.07	68.2	-25.93	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5200MHz
Condition : Temp:24.5'C,Humi:55%,
Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 66



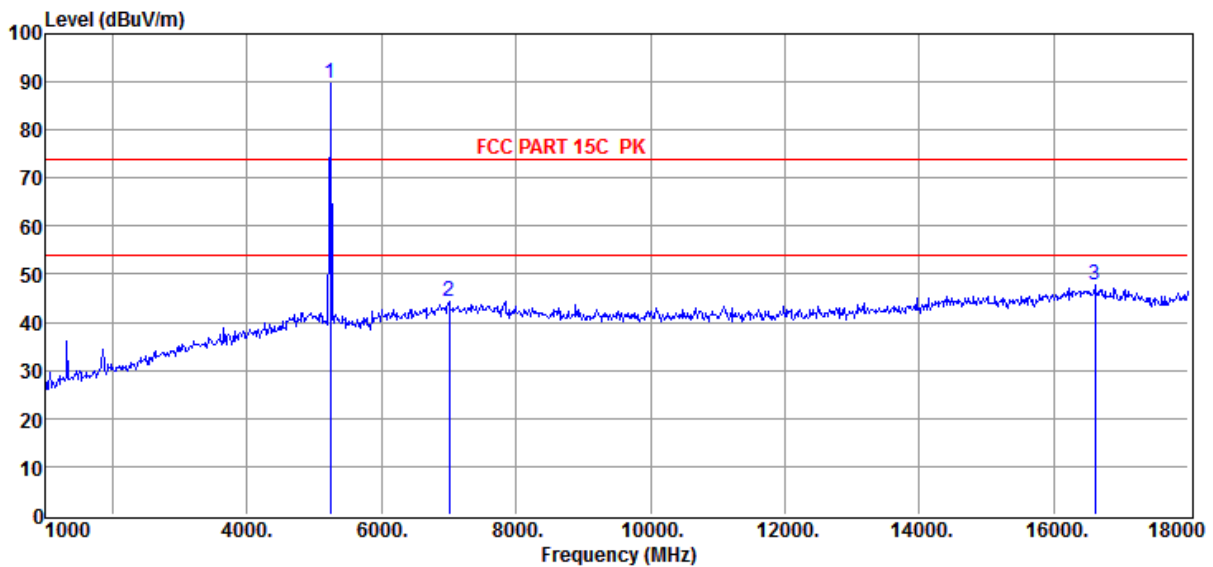
Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5182.00	68.14	35.55	29.04	8.30	82.95	/	/	Peak	VERTICAL
2	7069.00	26.81	37.14	29.47	9.87	44.35	68.2	-23.85	Peak	VERTICAL
3	9568.00	29.18	38.06	33.13	10.89	45.00	68.2	-23.2	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11n HT20 Tx mode 5240MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 67



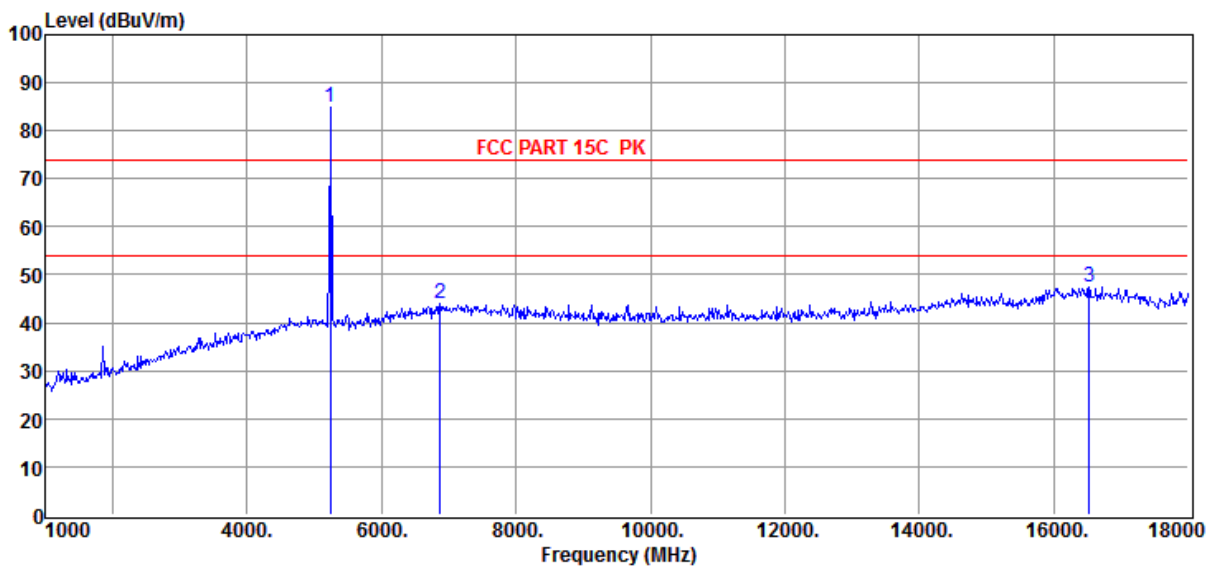
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5233.00	75.04	35.51	29.05	8.32	89.82	/	/	Peak	VERTICAL
2	7001.00	26.85	37.10	29.42	9.86	44.39	68.2	-23.81	Peak	VERTICAL
3	16606.00	26.89	43.68	36.72	13.79	47.64	68.2	-20.56	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber **E:** \2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5240MHz
Condition : Temp:24.5'C,Humi:55%,
Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 68



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5233.00	70.21	35.51	29.05	8.32	84.99	/	/	Peak	HORIZONTAL
2	6865.00	26.88	36.85	29.40	9.78	44.11	68.2	-24.09	Peak	HORIZONTAL
3	16521.00	26.48	43.70	36.67	13.77	47.28	68.2	-20.92	Peak	HORIZONTAL

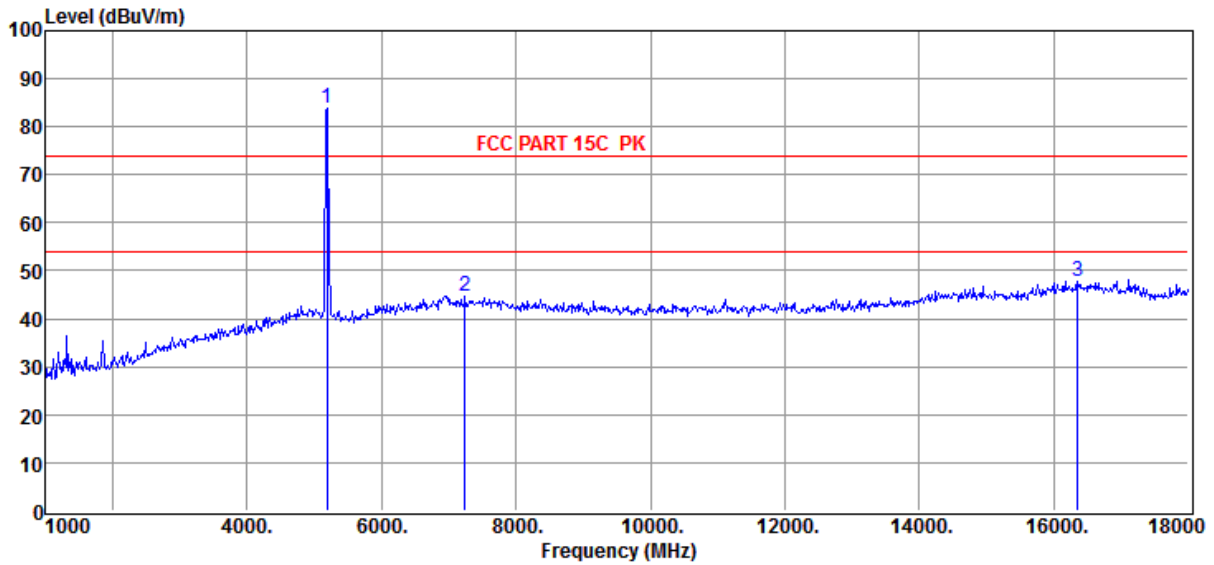
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber
Test Date : 2015-02-05
EUT : Wireless Access Point
Power Supply : DC 12V from adapter
Condition : Temp:24.5°C,Humi:55%, Press:100.1kPa
Memo :

E:\2014 Report Data\QW140272\RF-5G.EM6
Tested By : Leo
Model Number : WL8200-I2
Test Mode : 11n HT40 Tx mode 5190MHz
Antenna/Distance : 2014 HF907/3m/VERTICAL

Data: 71



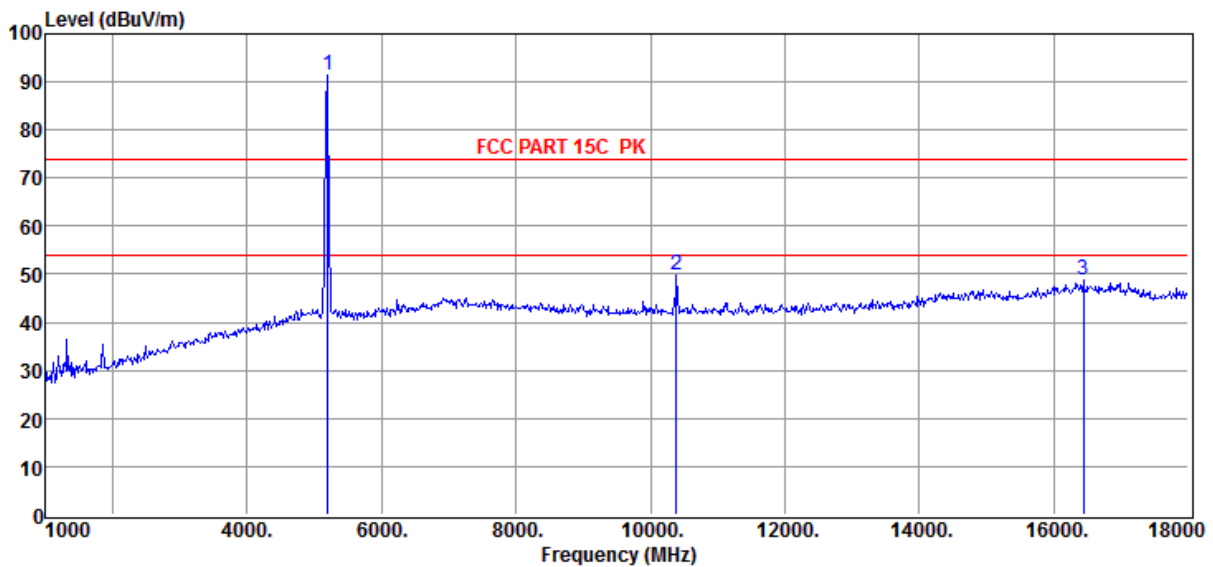
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5182.00	68.99	35.55	29.04	8.30	83.80	/	/	Peak	VERTICAL
2	7239.00	27.37	37.24	29.74	9.95	44.82	68.2	-23.38	Peak	VERTICAL
3	16351.00	27.21	43.52	36.58	13.74	47.89	68.2	-20.31	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT40 Tx mode 5190MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 72



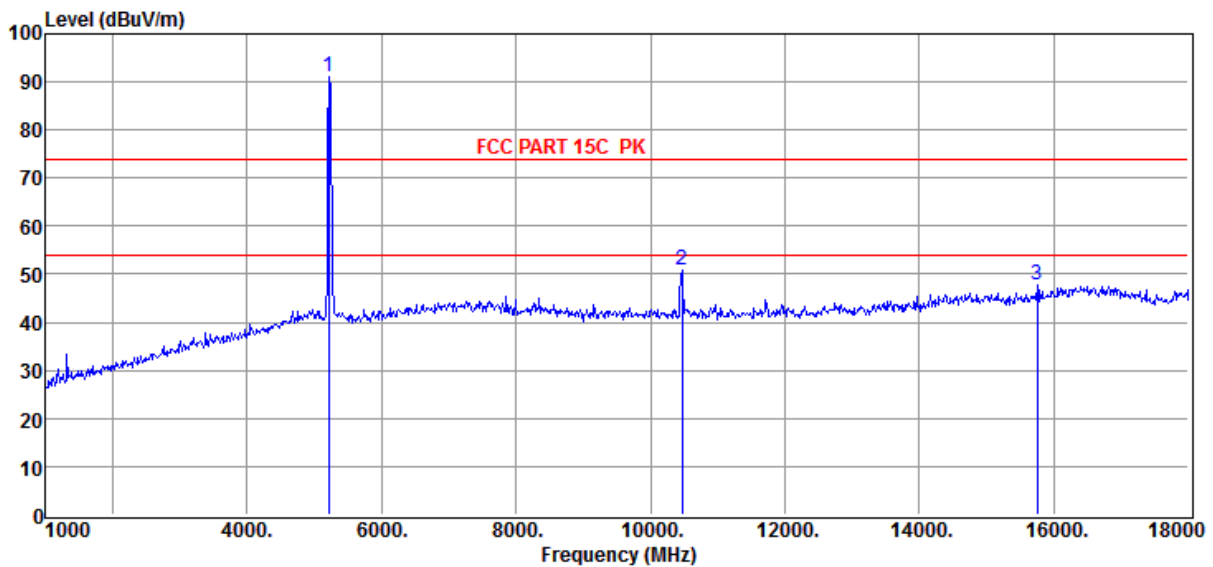
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5199.00	76.59	35.54	29.04	8.30	91.39	/	/	Peak	HORIZONTAL
2	10384.00	33.71	38.55	33.64	11.24	49.86	68.2	-18.34	Peak	HORIZONTAL
3	16436.00	27.95	43.62	36.62	13.75	48.70	68.2	-19.5	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11n HT40 Tx mode 5230MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 77



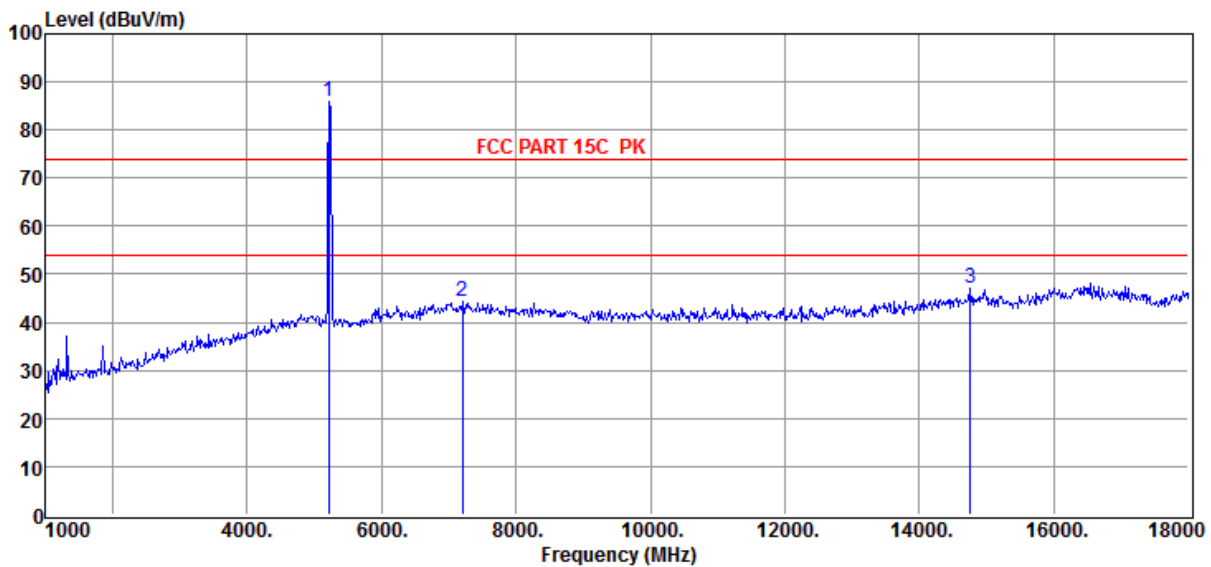
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5216.00	76.12	35.53	29.04	8.30	90.91	/	/	Peak	HORIZONTAL
2	10469.00	34.64	38.59	33.68	11.28	50.83	68.2	-17.37	Peak	HORIZONTAL
3	15756.00	28.31	42.33	36.39	13.65	47.90	68.2	-20.3	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT40 Tx mode 5230MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 78



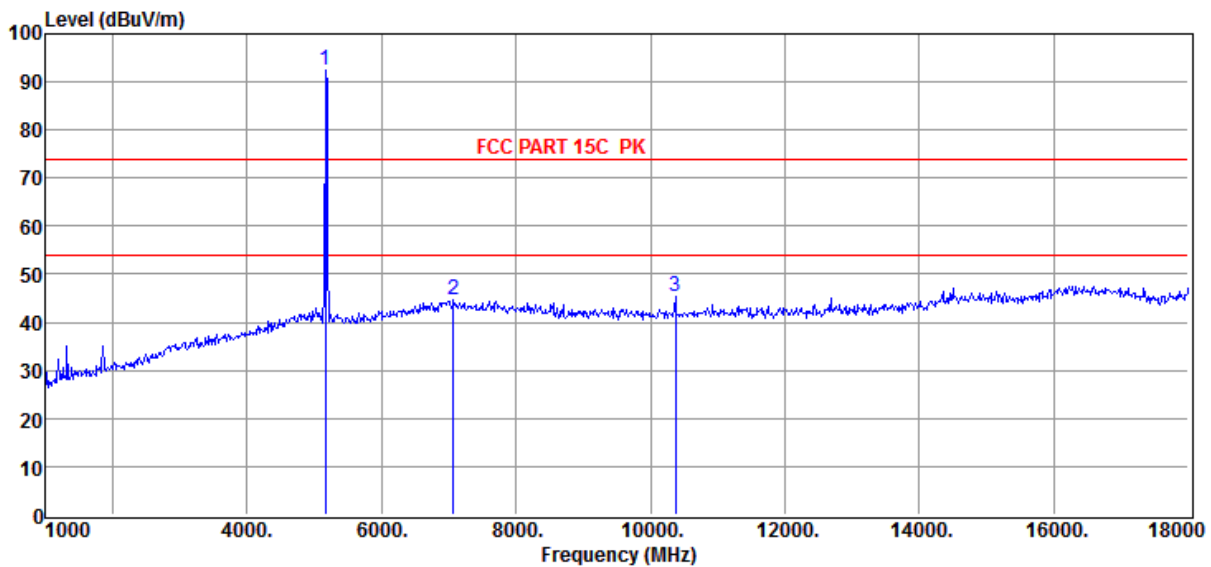
Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5216.00	71.10	35.53	29.04	8.30	85.89	/	/	Peak	VERTICAL
2	7205.00	26.74	37.22	29.68	9.94	44.22	68.2	-23.98	Peak	VERTICAL
3	14753.00	27.67	41.90	35.88	13.36	47.05	68.2	-21.15	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-05	Tested By : Leo
EUT	: Wireless Access Point	Model Number : WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5180MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo	:	

Data: 79



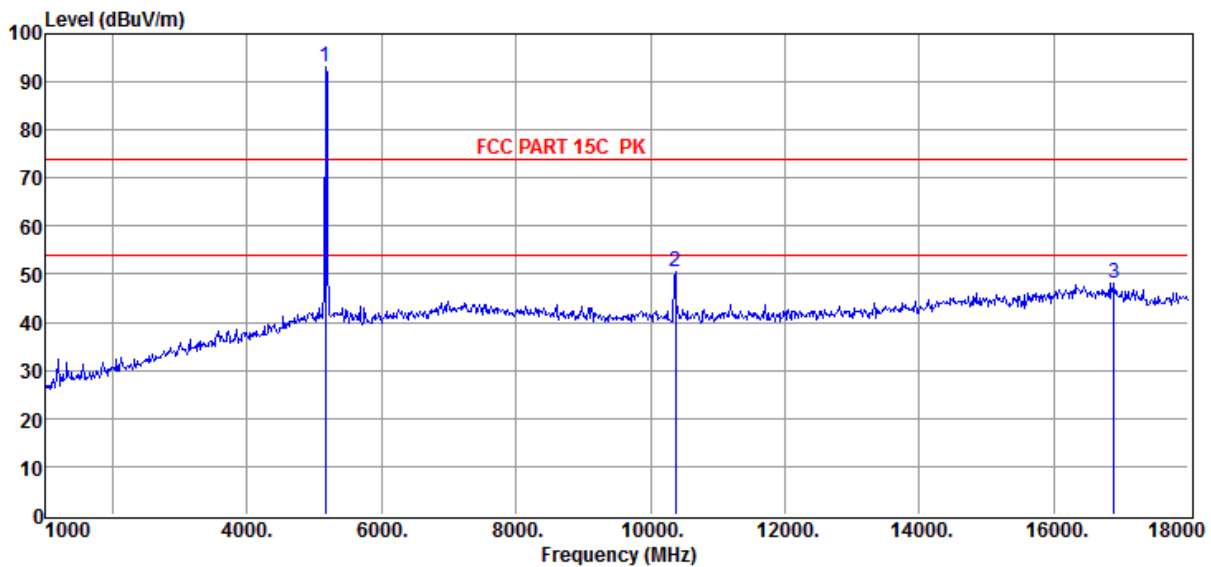
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5165.00	77.47	35.57	29.04	8.28	92.28	/	/	Peak	VERTICAL
2	7069.00	27.25	37.14	29.47	9.87	44.79	68.2	-23.41	Peak	VERTICAL
3	10367.00	29.26	38.55	33.64	11.24	45.41	68.2	-22.79	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5180MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 80



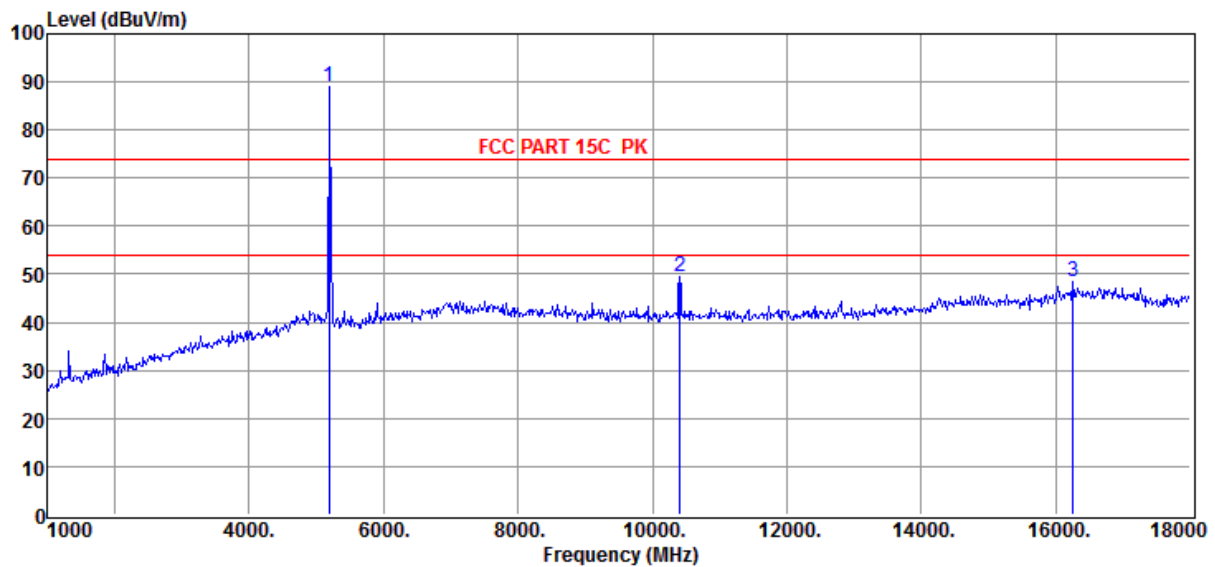
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5165.00	78.18	35.57	29.04	8.28	92.99	/	/	Peak	HORIZONTAL
2	10367.00	34.42	38.55	33.64	11.24	50.57	68.2	-17.63	Peak	HORIZONTAL
3	16895.00	27.60	43.62	36.91	13.86	48.17	68.2	-20.03	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5200MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 83



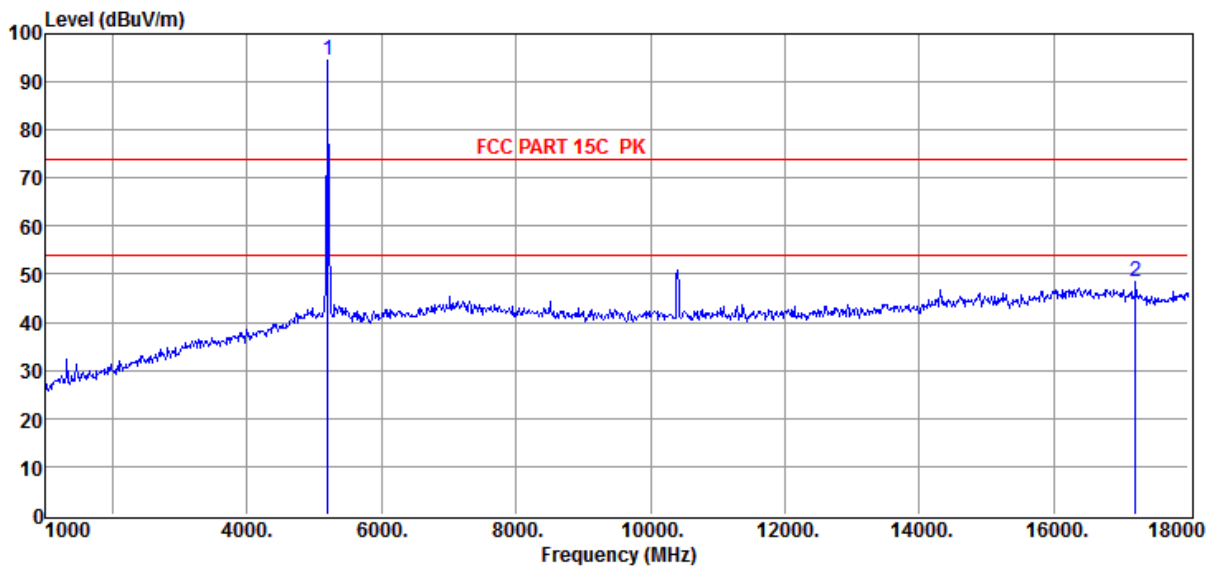
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5182.00	74.16	35.55	29.04	8.30	88.97	/	/	Peak	VERTICAL
2	10401.00	33.47	38.56	33.66	11.26	49.63	68.2	-18.57	Peak	VERTICAL
3	16249.00	27.73	43.40	36.55	13.73	48.31	68.2	-19.89	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5200MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 84



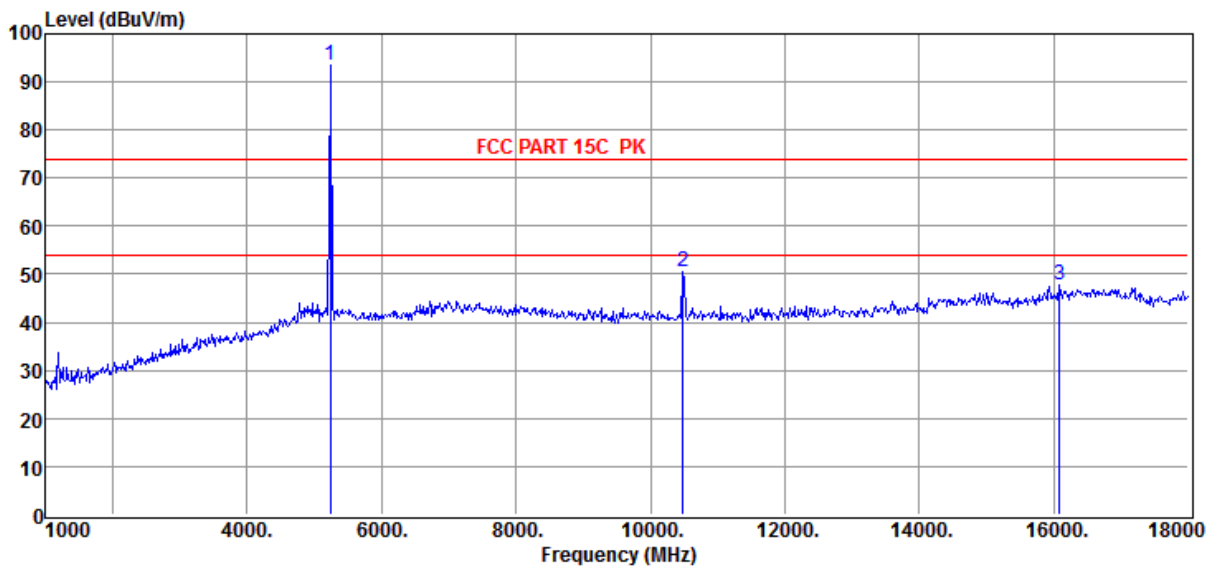
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5199.00	79.85	35.54	29.04	8.30	94.65	/	/	Peak	HORIZONTAL
2	17218.00	28.47	43.25	37.22	13.97	48.47	68.2	-19.73	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5240MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 85



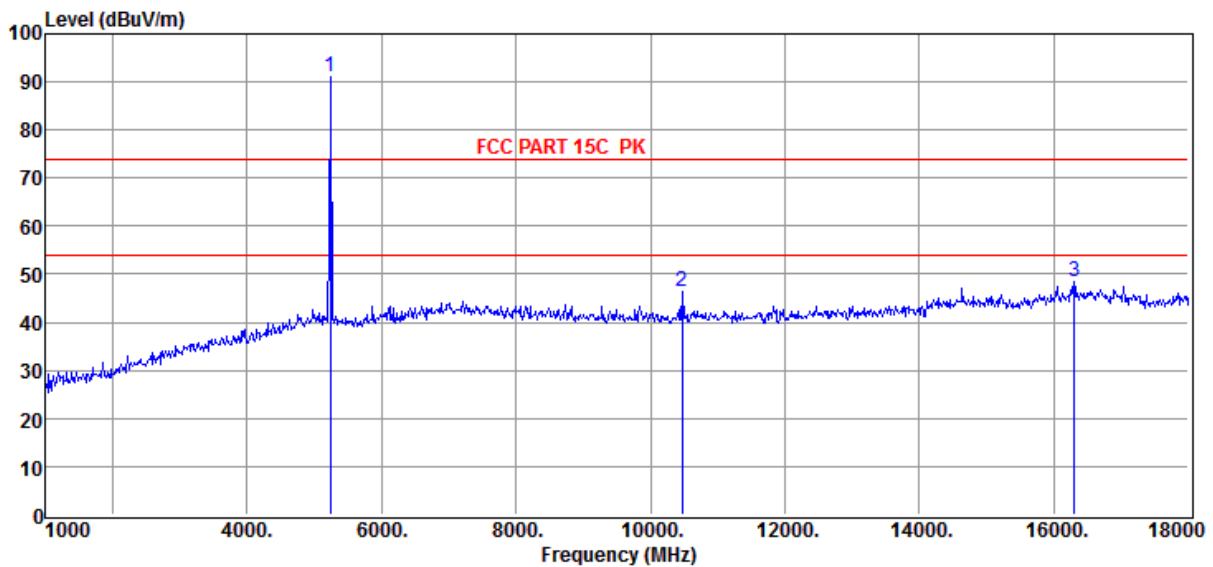
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5233.00	78.76	35.51	29.05	8.32	93.54	/	/	Peak	HORIZONTAL
2	10486.00	34.47	38.59	33.69	11.30	50.67	68.2	-17.53	Peak	HORIZONTAL
3	16079.00	27.34	43.20	36.48	13.70	47.76	68.2	-20.44	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-05	Tested By : Leo
EUT	: Wireless Access Point	Model Number : WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5240MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo	:	

Data: 86



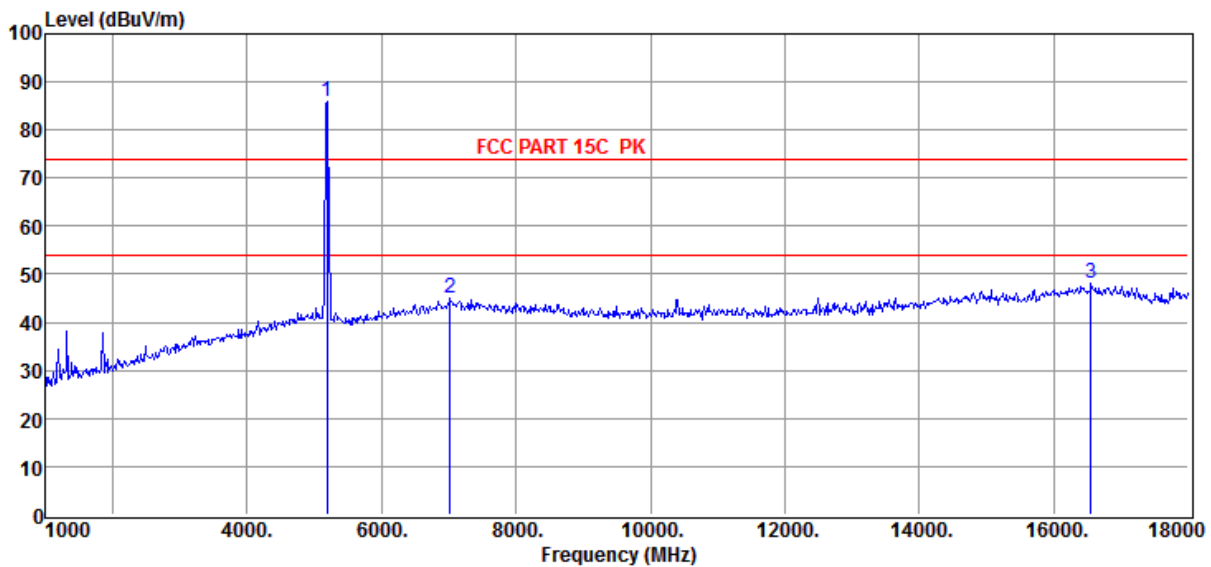
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5233.00	76.23	35.51	29.05	8.32	91.01	/	/	Peak	VERTICAL
2	10469.00	30.36	38.59	33.68	11.28	46.55	68.2	-21.65	Peak	VERTICAL
3	16300.00	27.87	43.46	36.56	13.73	48.50	68.2	-19.7	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-05	Tested By : Leo
EUT	: Wireless Access Point	Model Number : WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode : 11ac HT40 Tx mode 5190MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo	:	

Data: 91



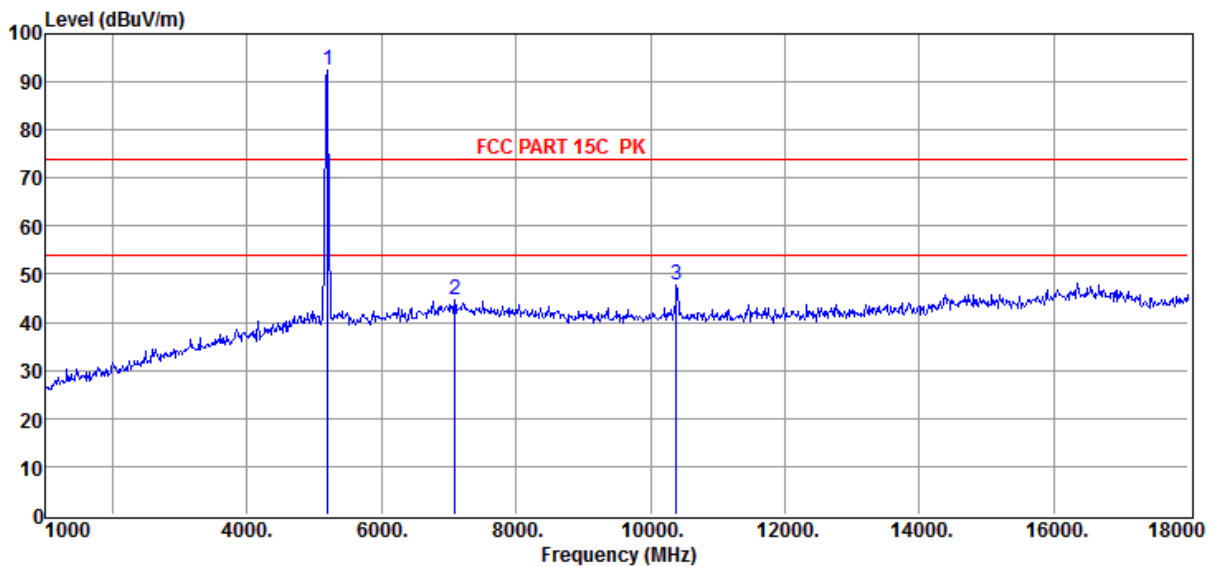
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5182.00	71.05	35.55	29.04	8.30	85.86	/	/	Peak	VERTICAL
2	7018.00	27.53	37.11	29.42	9.86	45.08	68.2	-23.12	Peak	VERTICAL
3	16555.00	27.31	43.69	36.67	13.77	48.10	68.2	-20.1	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT40 Tx mode 5190MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 92



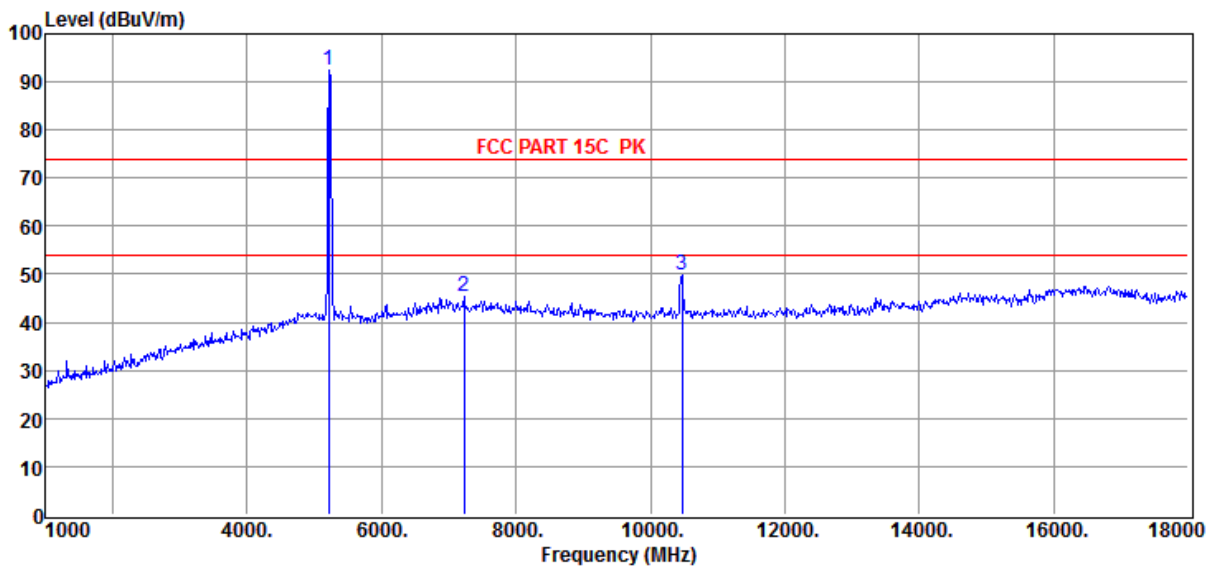
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5199.00	77.58	35.54	29.04	8.30	92.38	/	/	Peak	HORIZONTAL
2	7086.00	27.03	37.15	29.52	9.89	44.55	68.2	-23.65	Peak	HORIZONTAL
3	10384.00	31.70	38.55	33.64	11.24	47.85	68.2	-20.35	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT40 Tx mode 5230MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 93



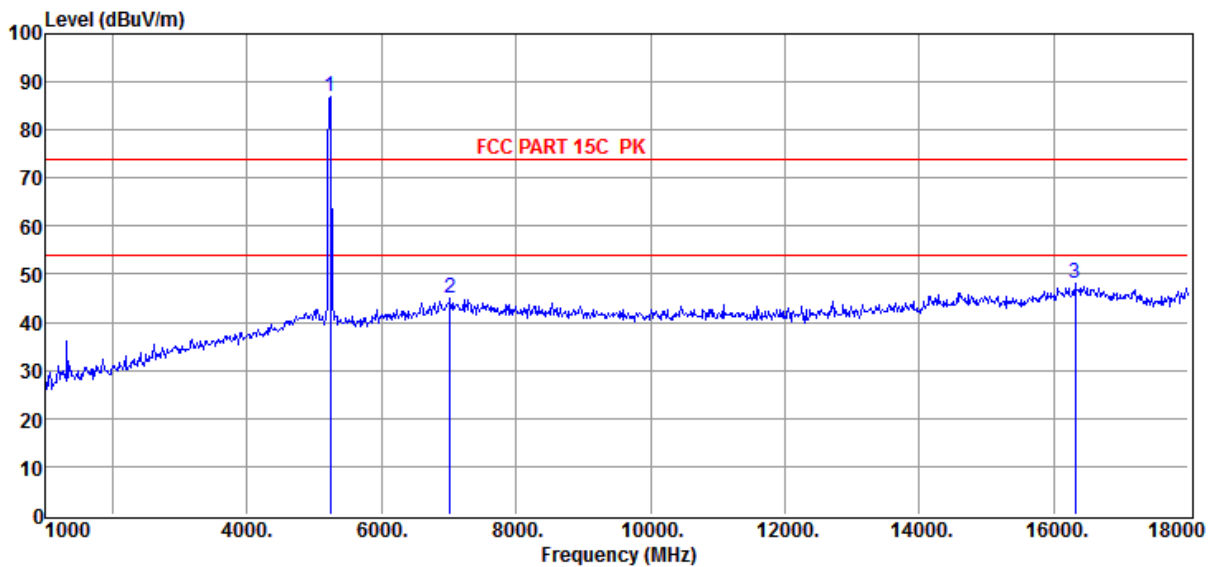
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5216.00	77.49	35.53	29.04	8.30	92.28	/	/	Peak	HORIZONTAL
2	7222.00	27.76	37.23	29.68	9.94	45.25	68.2	-22.95	Peak	HORIZONTAL
3	10469.00	33.51	38.59	33.68	11.28	49.70	68.2	-18.5	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-05	Tested By : Leo
EUT	: Wireless Access Point	Model Number : WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode : 11ac HT40 Tx mode 5230MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo	:	

Data: 94



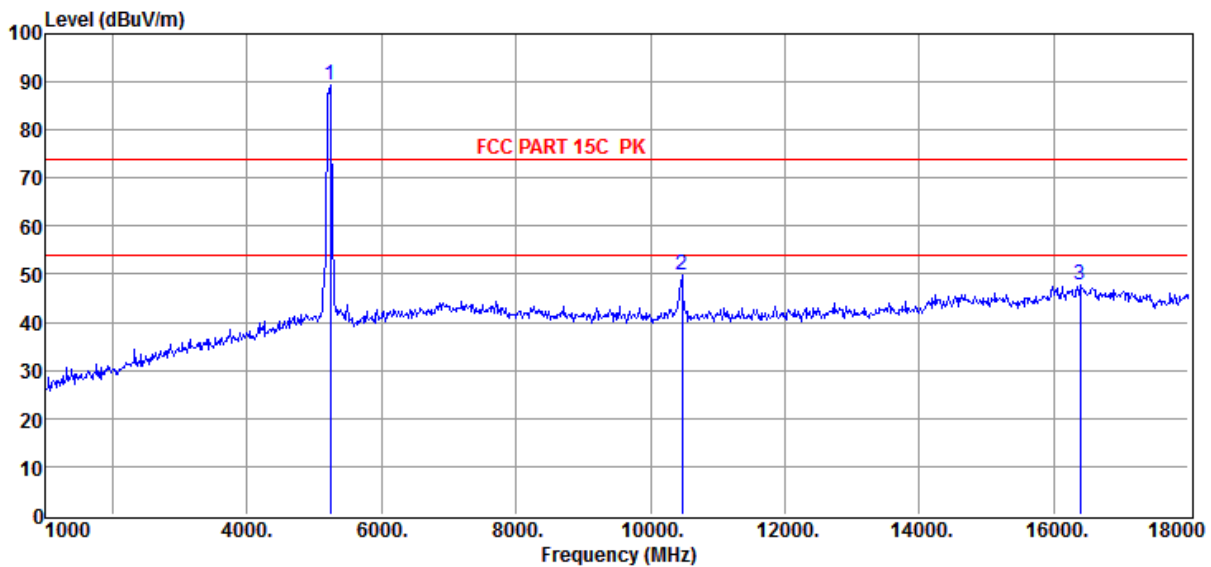
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5233.00	72.30	35.51	29.05	8.32	87.08	/	/	Peak	VERTICAL
2	7018.00	27.30	37.11	29.42	9.86	44.85	68.2	-23.35	Peak	VERTICAL
3	16317.00	27.48	43.48	36.56	13.73	48.13	68.2	-20.07	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT80 Tx mode 5210MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 97



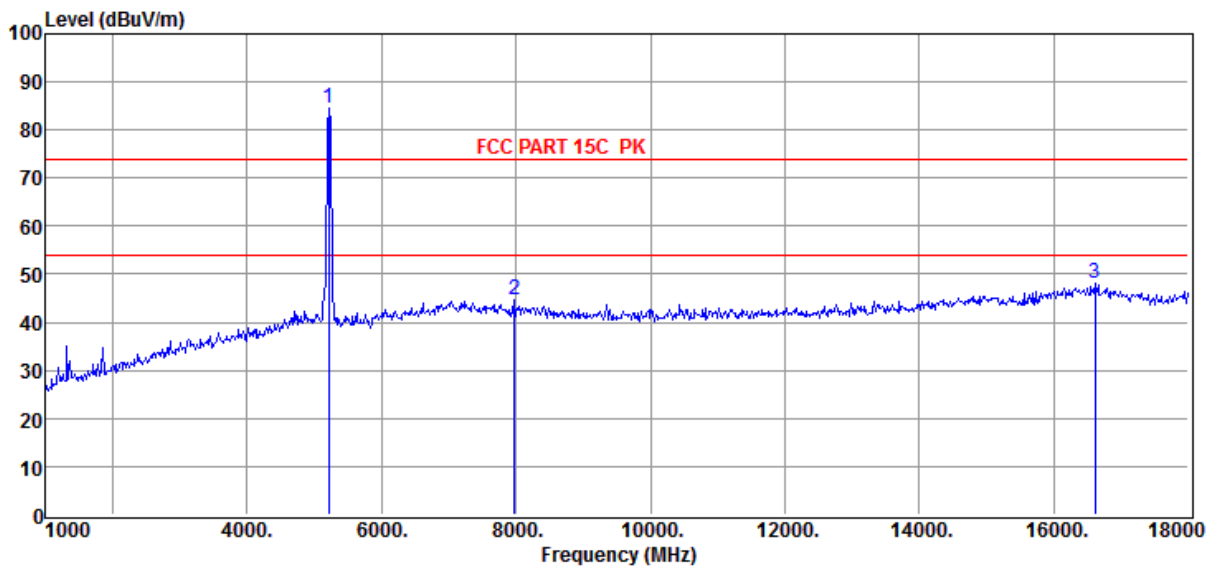
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5233.00	74.74	35.51	29.05	8.32	89.52	/	/	Peak	HORIZONTAL
2	10469.00	33.48	38.59	33.68	11.28	49.67	68.2	-18.53	Peak	HORIZONTAL
3	16385.00	26.98	43.56	36.60	13.74	47.68	68.2	-20.52	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-05	Tested By : Leo
EUT	: Wireless Access Point	Model Number : WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode : 11ac HT80 Tx mode 5210MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo	:	

Data: 98



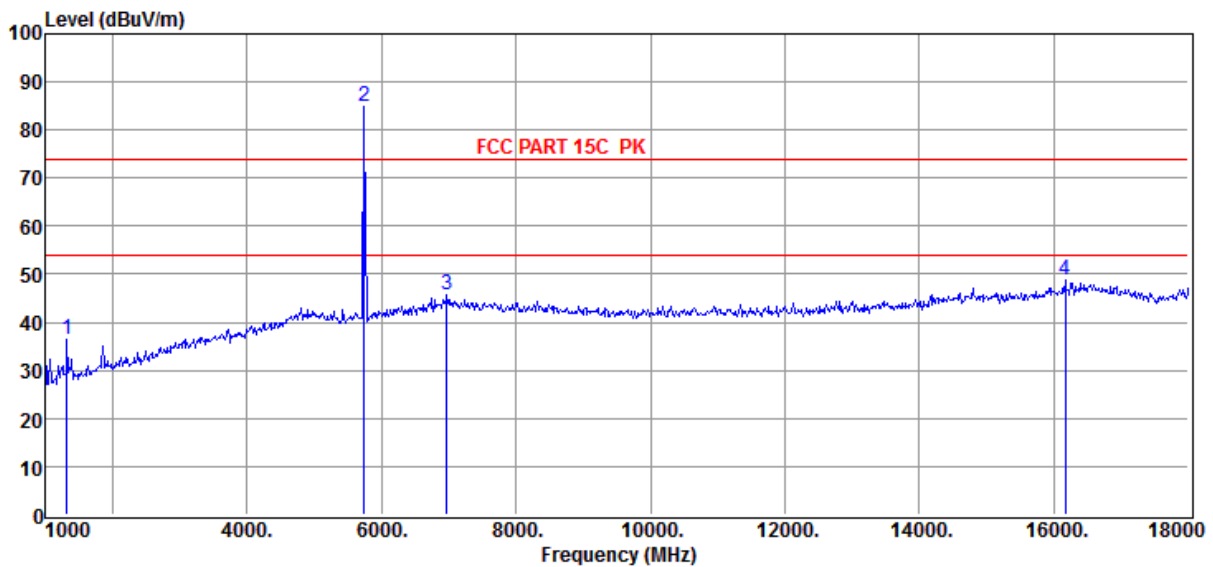
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5216.00	69.88	35.53	29.04	8.30	84.67	/	/	Peak	VERTICAL
2	7970.00	27.97	37.49	31.15	10.36	44.67	68.2	-23.53	Peak	VERTICAL
3	16606.00	27.20	43.68	36.72	13.79	47.95	68.2	-20.25	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11a Tx mode 5745MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 5



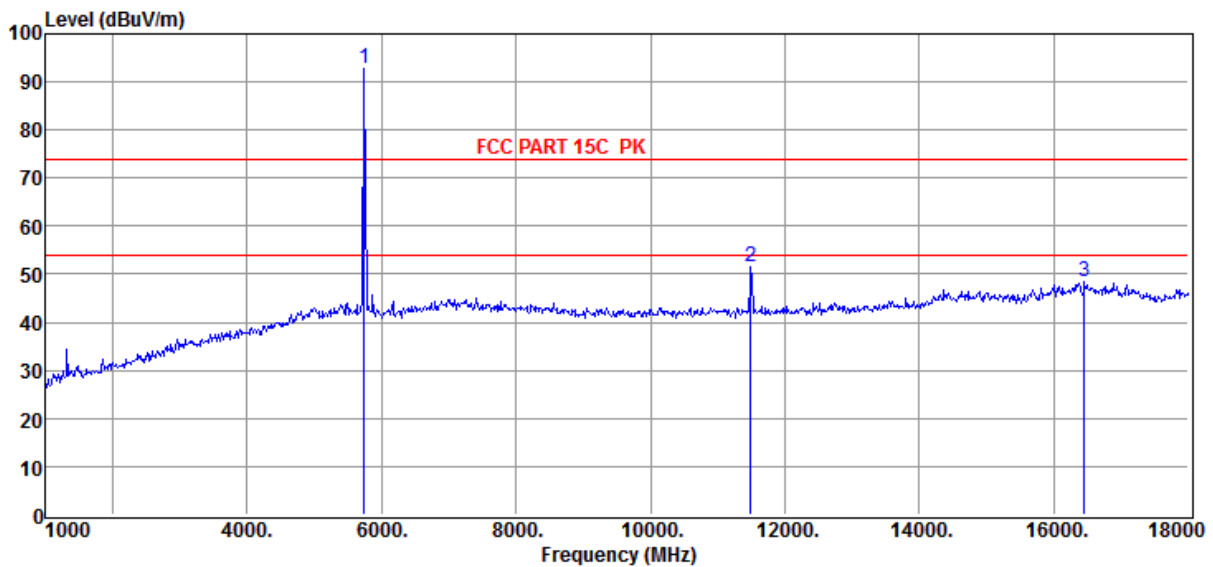
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1323.00	34.84	25.71	27.87	3.64	36.32	74.00	-37.68	Peak	VERTICAL
2	5745.00	69.61	35.69	29.14	8.69	84.85	74.00	10.85	Peak	VERTICAL
3	6967.00	28.12	37.04	29.42	9.84	45.58	74.00	-28.42	Peak	VERTICAL
4	16164.00	28.35	43.30	36.52	13.72	48.85	74.00	-25.15	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11a Tx mode 5745MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 6



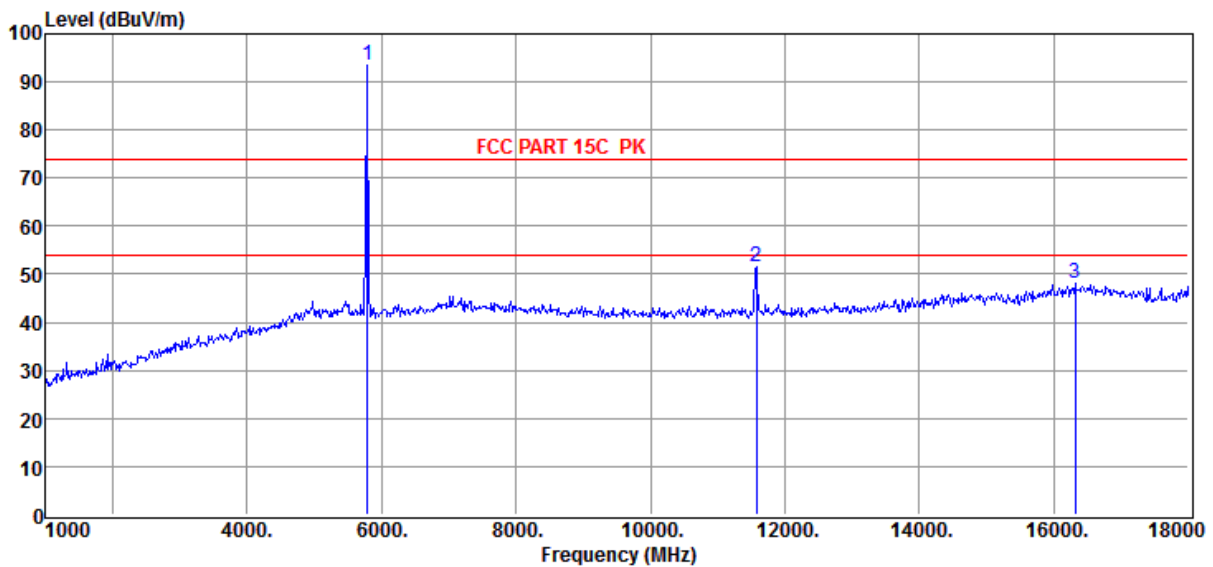
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5745.00	77.69	35.69	29.14	8.69	92.93	74.00	18.93	Peak	HORIZONTAL
2	11490.00	35.05	38.90	34.37	12.08	51.66	74.00	-22.34	Peak	HORIZONTAL
3	16453.00	27.70	43.64	36.63	13.76	48.47	74.00	-25.53	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-04	Tested By : Leo
EUT	: Wireless Access Point	Model Number : WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode : 11a Tx mode 5785MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo	:	

Data: 7



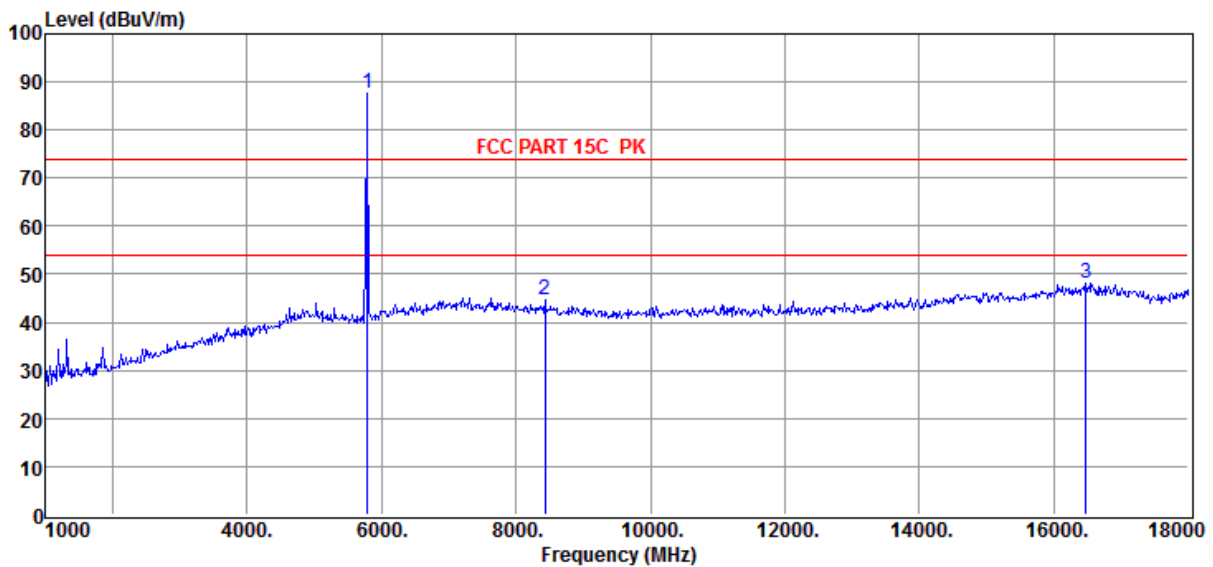
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5785.00	78.06	35.74	29.15	8.73	93.38	74.00	19.38	Peak	HORIZONTAL
2	11570.00	34.74	38.93	34.40	12.12	51.39	74.00	-22.61	Peak	HORIZONTAL
3	16317.00	27.58	43.48	36.56	13.73	48.23	74.00	-25.77	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-04	Tested By : Leo
EUT	: Wireless Access Point	Model Number : WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode : 11a Tx mode 5785MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo	:	

Data: 8



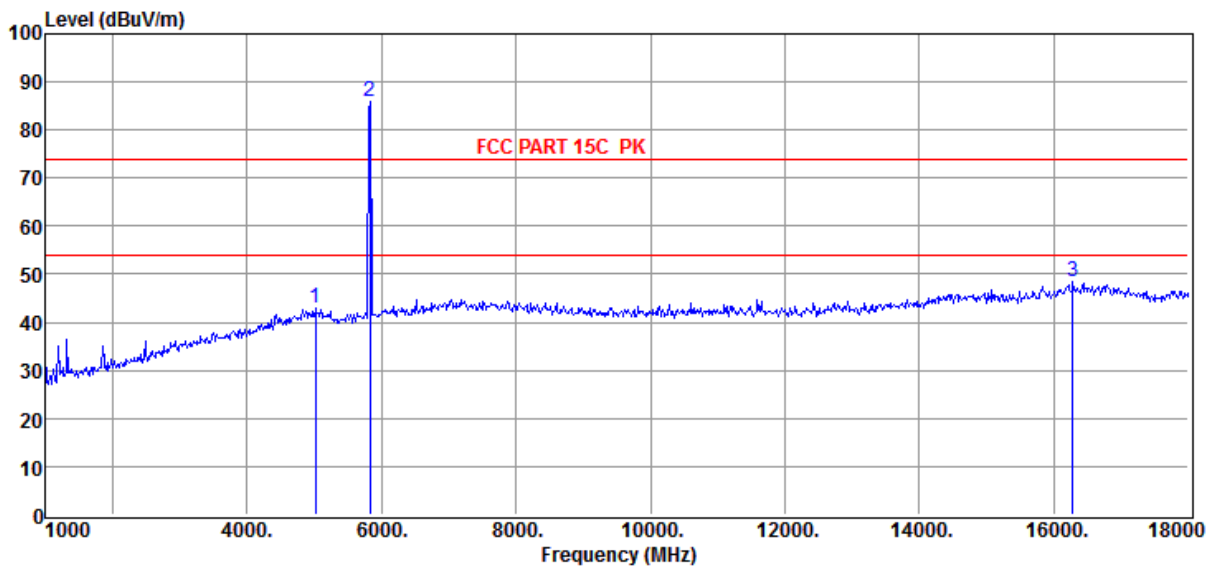
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5785.00	72.36	35.74	29.15	8.73	87.68	74.00	13.68	Peak	VERTICAL
2	8429.00	28.19	37.67	31.78	10.46	44.54	74.00	-29.46	Peak	VERTICAL
3	16470.00	27.31	43.66	36.63	13.76	48.10	74.00	-25.90	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11a Tx mode 5825MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 9



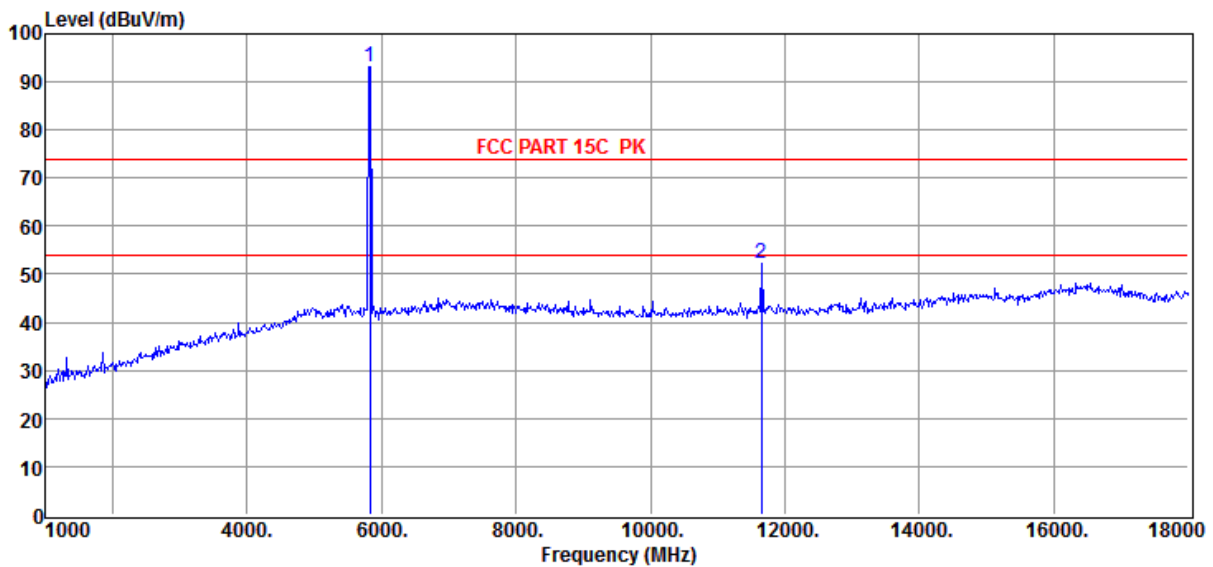
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5012.00	28.20	35.69	29.02	8.20	43.07	74.00	-30.93	Peak	VERTICAL
2	5825.00	70.57	35.82	29.16	8.77	86.00	74.00	12.00	Peak	VERTICAL
3	16283.00	27.69	43.44	36.56	13.73	48.30	74.00	-25.70	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11a Tx mode 5825MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 10



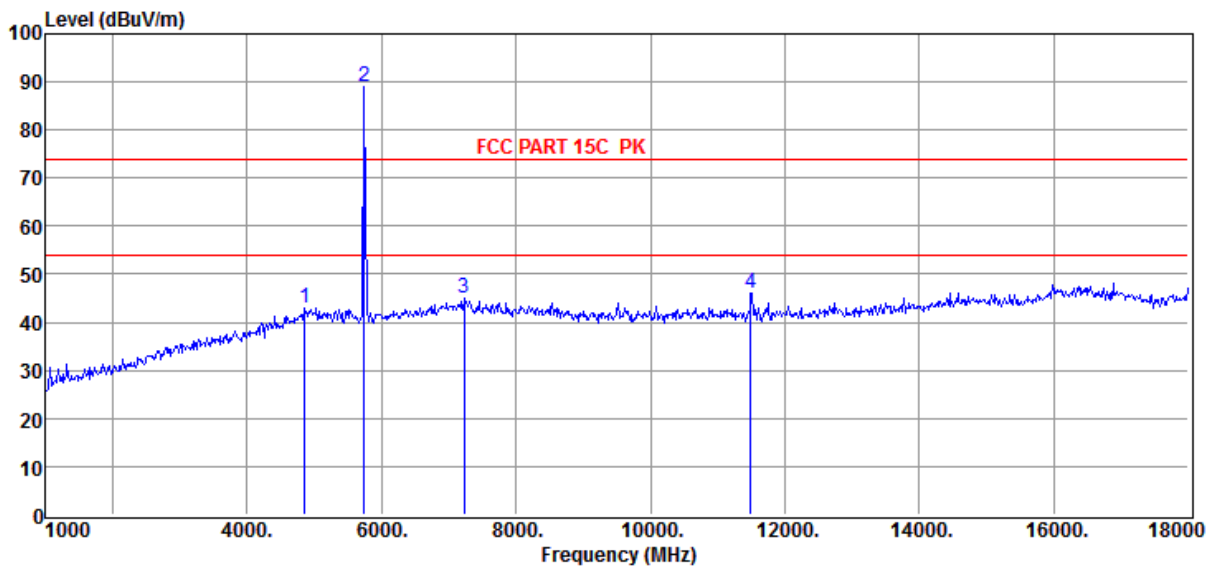
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5825.00	77.84	35.82	29.16	8.77	93.27	74.00	19.27	Peak	HORIZONTAL
2	11650.00	35.50	38.96	34.44	12.16	52.18	74.00	-21.82	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5745MHz
Condition : Temp:24.5'C,Humi:55%,
Antenna/Distance : 2014 HF907/3m/HORIZONTAL
 Press:100.1kPa
Memo :

Data: 11



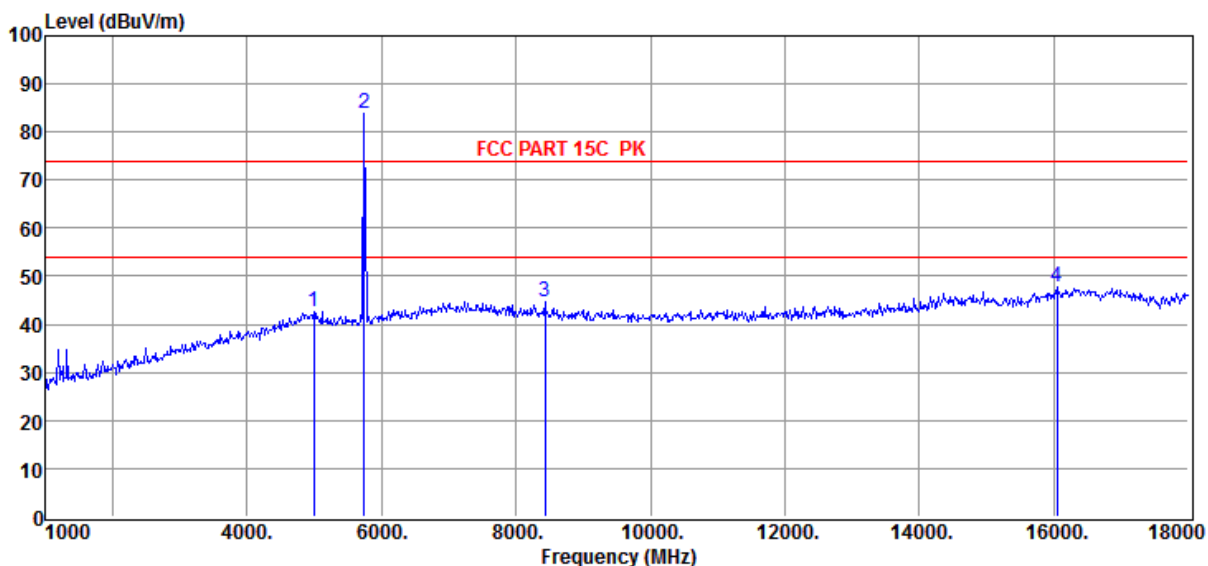
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	4859.00	28.52	35.48	29.10	8.11	43.01	74.00	-30.99	Peak	HORIZONTAL
2	5745.00	73.83	35.69	29.14	8.69	89.07	74.00	15.07	Peak	HORIZONTAL
3	7222.00	27.36	37.23	29.68	9.94	44.85	74.00	-29.15	Peak	HORIZONTAL
4	11490.00	29.56	38.90	34.37	12.08	46.17	74.00	-27.83	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber **E:** \2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5745MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 12



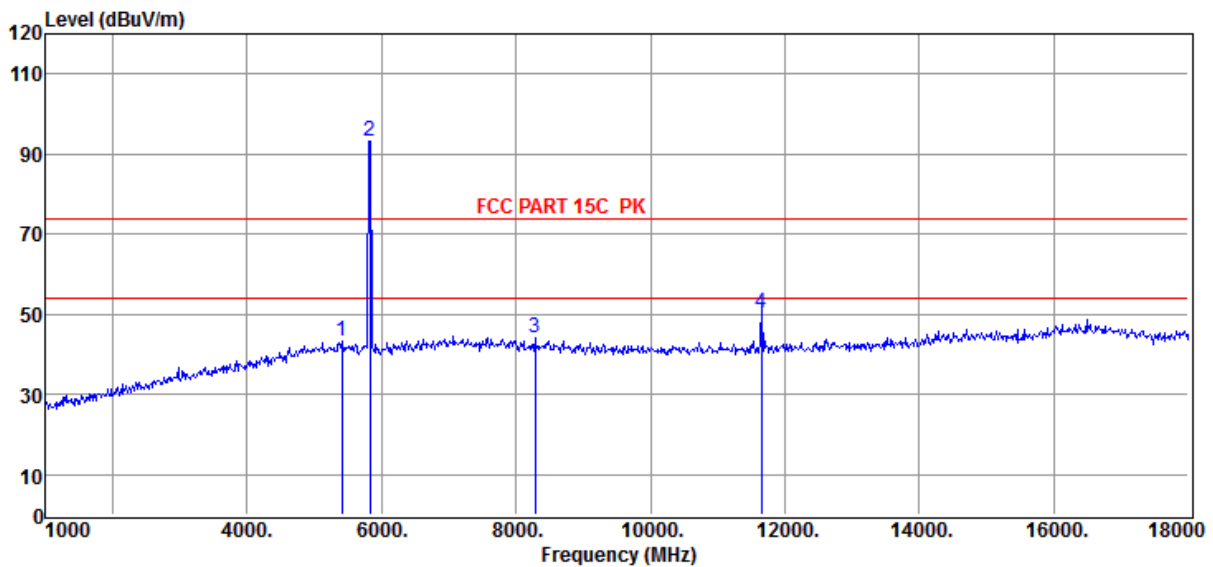
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	4995.00	27.64	35.70	29.02	8.20	42.52	74.00	-31.48	Peak	VERTICAL
2	5745.00	68.65	35.69	29.14	8.69	83.89	74.00	9.89	Peak	VERTICAL
3	8429.00	28.17	37.67	31.78	10.46	44.52	74.00	-29.48	Peak	VERTICAL
4	16045.00	27.31	43.16	36.48	13.70	47.69	74.00	-26.31	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5825MHz
Condition : Temp:24.5'C,Humi:55%,
Antenna/Distance : 2014 HF907/3m/HORIZONTAL
 Press:100.1kPa
Memo :

Data: 17



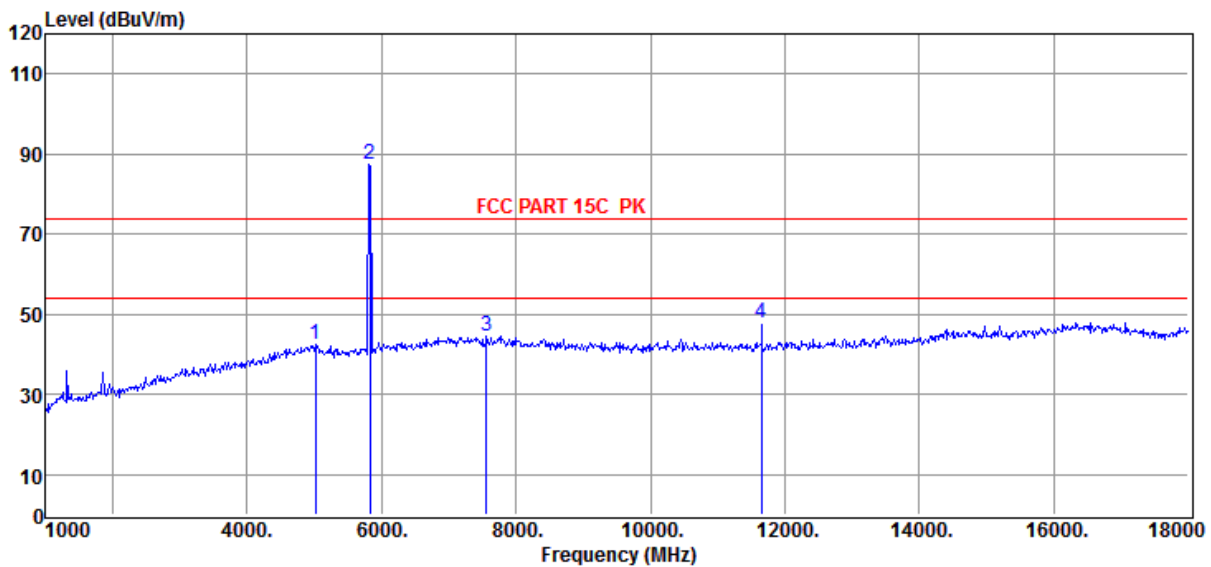
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5403.00	28.65	35.38	29.07	8.41	43.37	74.00	-30.63	Peak	HORIZONTAL
2	5825.00	77.75	35.82	29.16	8.77	93.18	74.00	19.18	Peak	HORIZONTAL
3	8276.00	27.48	37.61	31.52	10.42	43.99	74.00	-30.01	Peak	HORIZONTAL
4	11650.00	33.82	38.96	34.44	12.16	50.50	74.00	-23.50	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5825MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 18



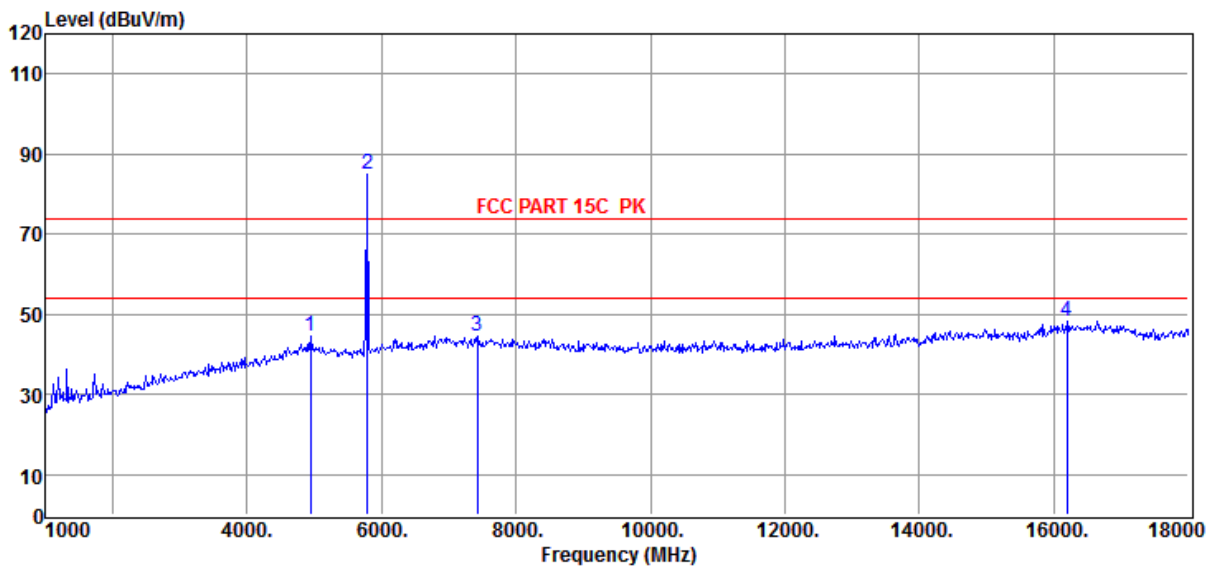
Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5012.00	27.58	35.69	29.02	8.20	42.45	74.00	-31.55	Peak	VERTICAL
2	5825.00	71.92	35.82	29.16	8.77	87.35	74.00	13.35	Peak	VERTICAL
3	7562.00	27.46	37.41	30.42	10.15	44.60	74.00	-29.40	Peak	VERTICAL
4	11650.00	31.23	38.96	34.44	12.16	47.91	74.00	-26.09	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11n HT20 Tx mode 5785MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 19



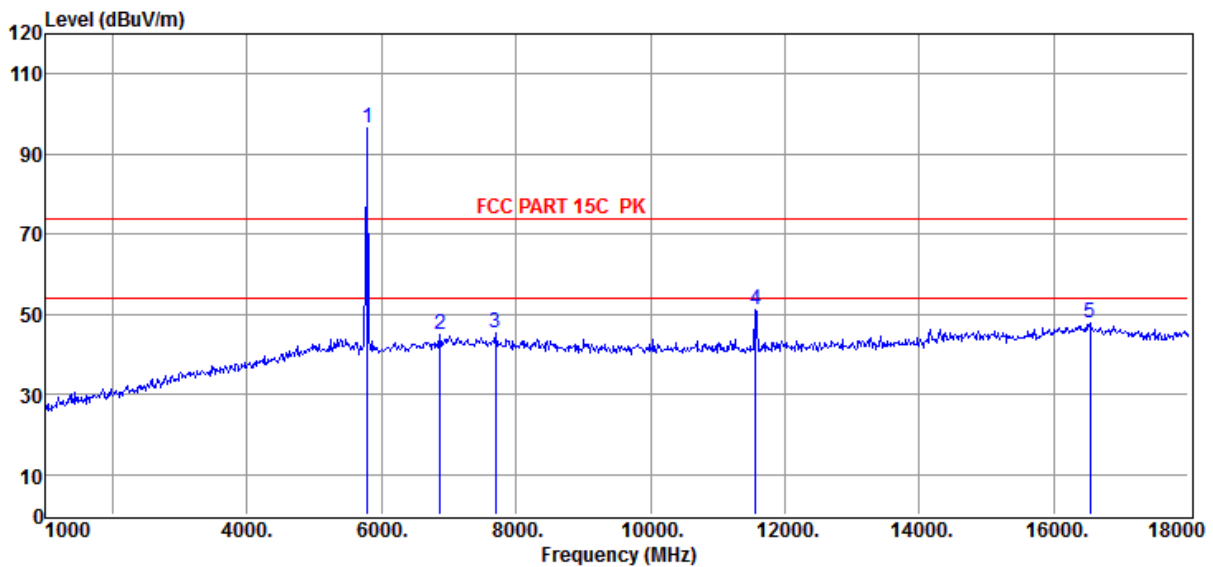
Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	4944.00	29.69	35.62	29.04	8.18	44.45	74.00	-29.55	Peak	VERTICAL
2	5794.00	69.70	35.77	29.15	8.73	85.05	74.00	11.05	Peak	VERTICAL
3	7426.00	27.30	37.36	30.03	10.04	44.67	74.00	-29.33	Peak	VERTICAL
4	16198.00	27.68	43.34	36.52	13.72	48.22	74.00	-25.78	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5785MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 20



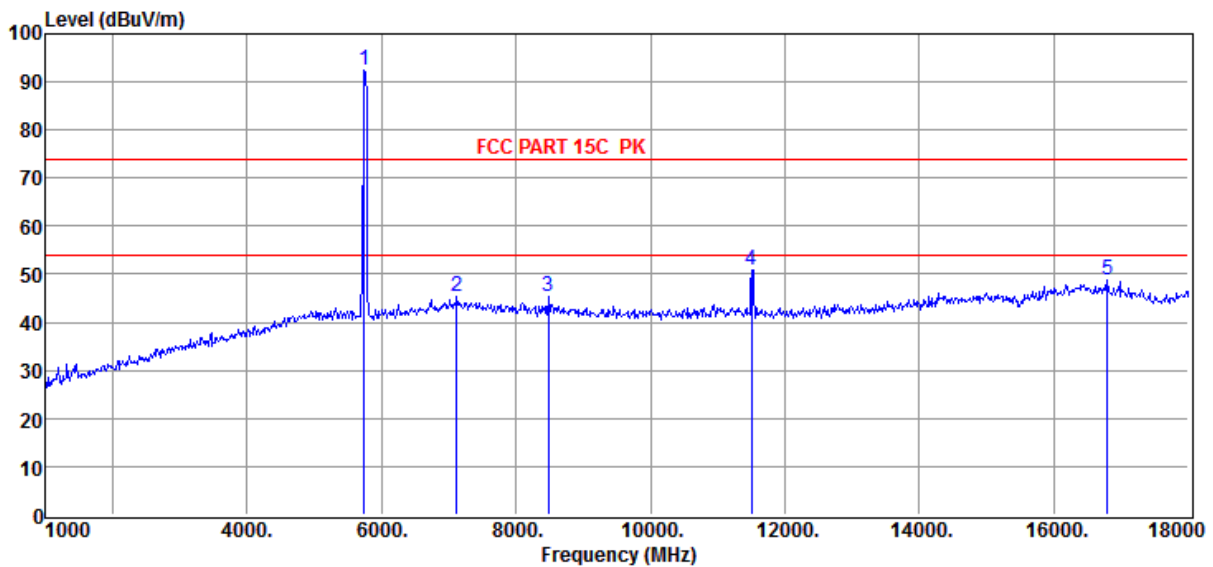
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5794.00	81.22	35.77	29.15	8.73	96.57	74.00	22.57	Peak	HORIZONTAL
2	6865.00	27.72	36.85	29.40	9.78	44.95	74.00	-29.05	Peak	HORIZONTAL
3	7698.00	28.24	37.44	30.69	10.23	45.22	74.00	-28.78	Peak	HORIZONTAL
4	11557.00	34.55	38.92	34.40	12.12	51.19	74.00	-22.81	Peak	HORIZONTAL
5	16538.00	27.23	43.69	36.67	13.77	48.02	74.00	-25.98	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11n HT40 Tx mode 5755MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 21



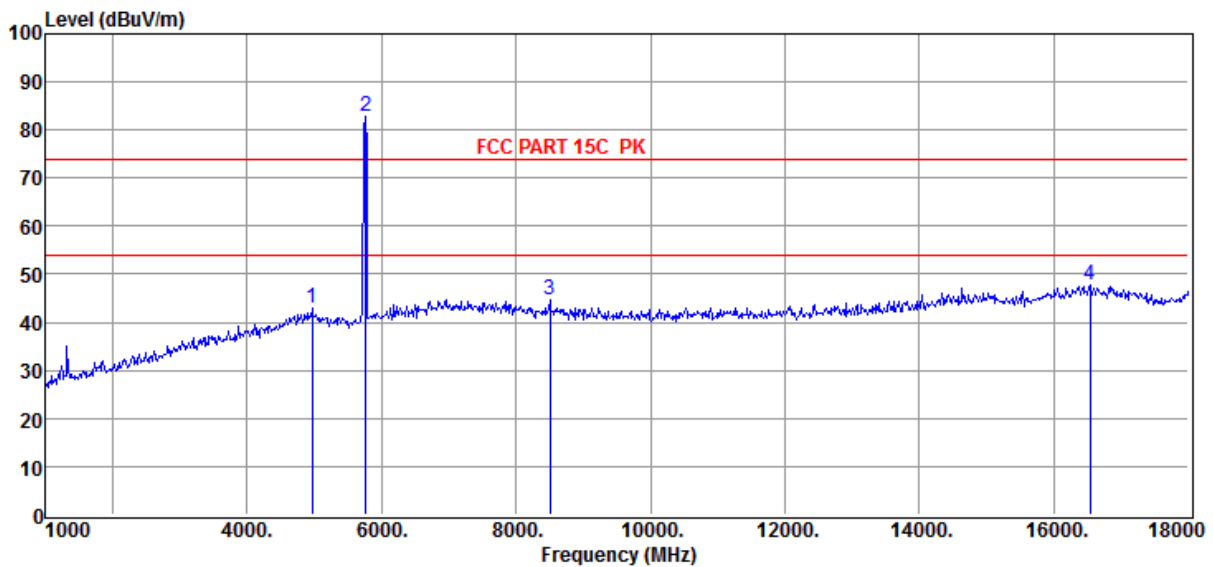
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5743.00	77.33	35.69	29.14	8.69	92.57	74.00	18.57	Peak	HORIZONTAL
2	7120.00	27.90	37.17	29.57	9.90	45.40	74.00	-28.60	Peak	HORIZONTAL
3	8480.00	28.98	37.69	31.86	10.47	45.28	74.00	-28.72	Peak	HORIZONTAL
4	11506.00	34.28	38.90	34.39	12.10	50.89	74.00	-23.11	Peak	HORIZONTAL
5	16793.00	28.14	43.64	36.82	13.83	48.79	74.00	-25.21	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11n HT40 Tx mode 5755MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 22



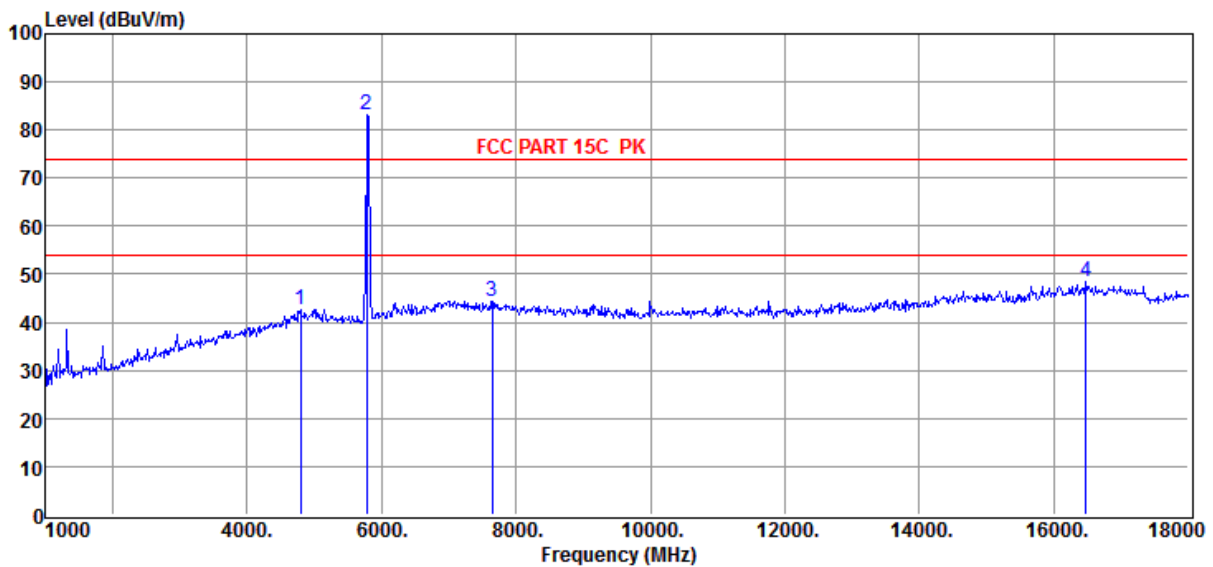
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	4961.00	28.02	35.64	29.04	8.18	42.80	74.00	-31.20	Peak	VERTICAL
2	5760.00	67.64	35.71	29.14	8.69	82.90	74.00	8.90	Peak	VERTICAL
3	8497.00	28.30	37.70	31.86	10.47	44.61	74.00	-29.39	Peak	VERTICAL
4	16538.00	26.89	43.69	36.67	13.77	47.68	74.00	-26.32	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT40 Tx mode 5795MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 27



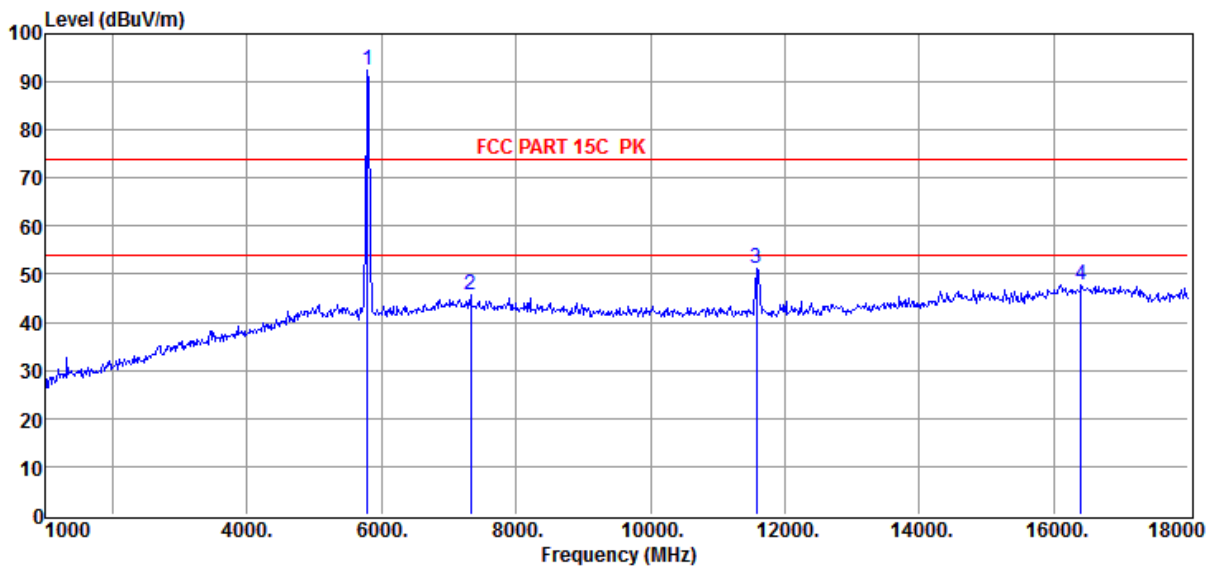
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	4791.00	28.37	35.37	29.13	8.09	42.70	74.00	-31.30	Peak	VERTICAL
2	5777.00	67.82	35.74	29.15	8.73	83.14	74.00	9.14	Peak	VERTICAL
3	7647.00	27.41	37.43	30.61	10.21	44.44	74.00	-29.56	Peak	VERTICAL
4	16470.00	27.49	43.66	36.63	13.76	48.28	74.00	-25.72	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber **E:** \2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT40 Tx mode 5795MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 28



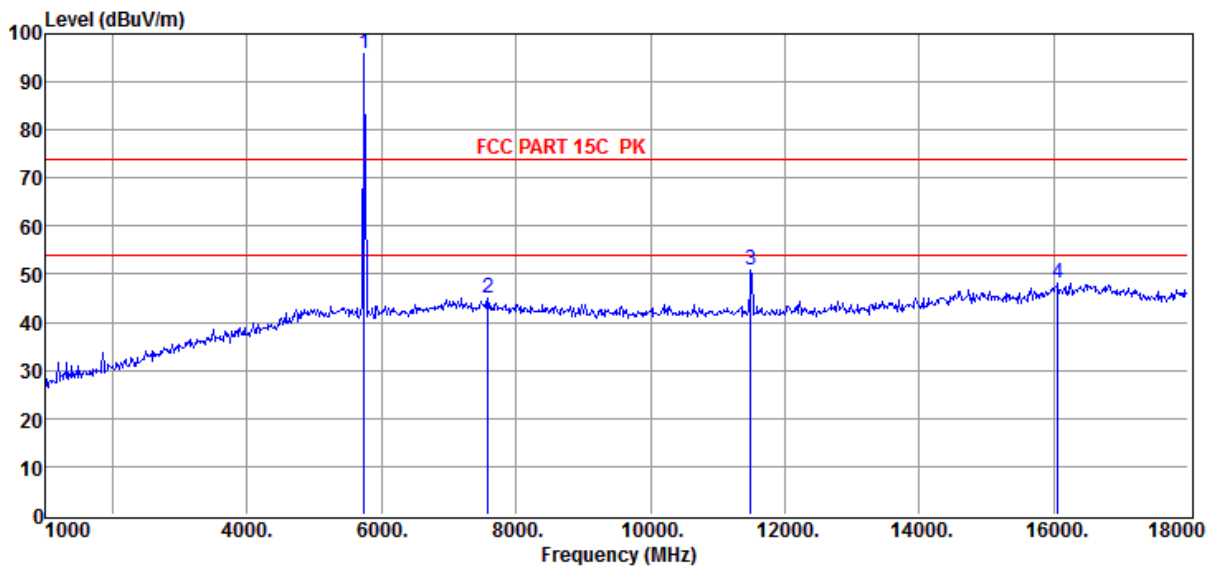
Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5794.00	77.09	35.77	29.15	8.73	92.44	74.00	18.44	Peak	HORIZONTAL
2	7324.00	28.12	37.30	29.88	9.99	45.53	74.00	-28.47	Peak	HORIZONTAL
3	11574.00	34.60	38.93	34.40	12.12	51.25	74.00	-22.75	Peak	HORIZONTAL
4	16402.00	27.18	43.58	36.62	13.75	47.89	74.00	-26.11	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5745MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 29



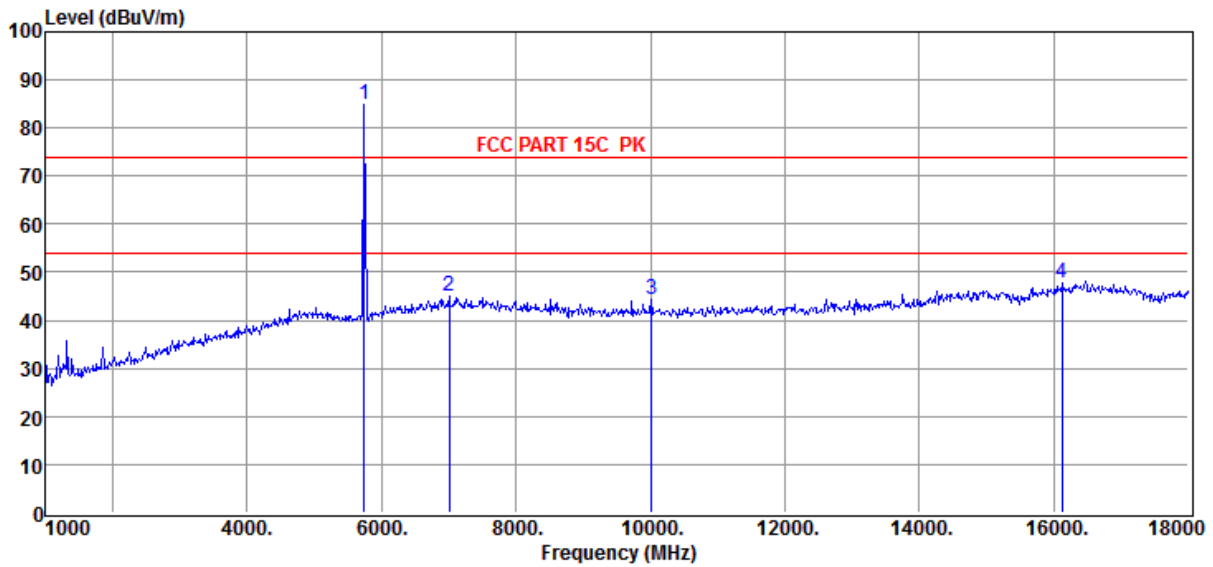
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5743.00	80.54	35.69	29.14	8.69	95.78	74.00	21.78	Peak	HORIZONTAL
2	7579.00	28.01	37.42	30.42	10.15	45.16	74.00	-28.84	Peak	HORIZONTAL
3	11489.00	34.20	38.90	34.37	12.08	50.81	74.00	-23.19	Peak	HORIZONTAL
4	16062.00	27.85	43.18	36.48	13.70	48.25	74.00	-25.75	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT20 Tx mode 5745MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 30



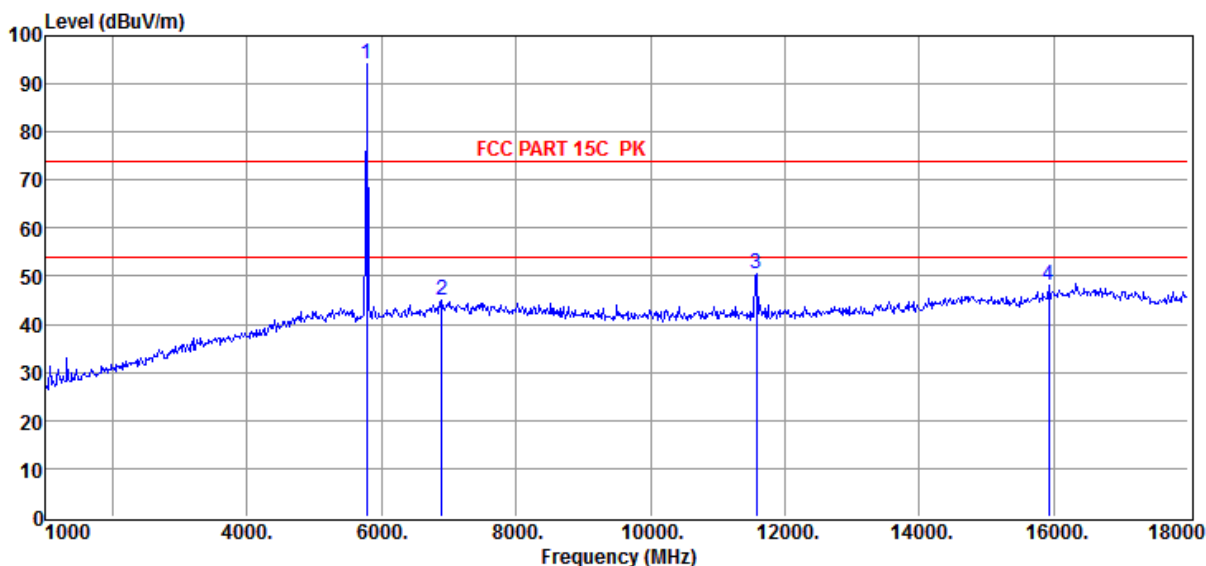
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5743.00	69.60	35.69	29.14	8.69	84.84	74.00	10.84	Peak	VERTICAL
2	7001.00	27.41	37.10	29.42	9.86	44.95	74.00	-29.05	Peak	VERTICAL
3	10010.00	28.42	38.41	33.52	11.10	44.41	74.00	-29.59	Peak	VERTICAL
4	16113.00	27.43	43.24	36.49	13.70	47.88	74.00	-26.12	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5785MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 33



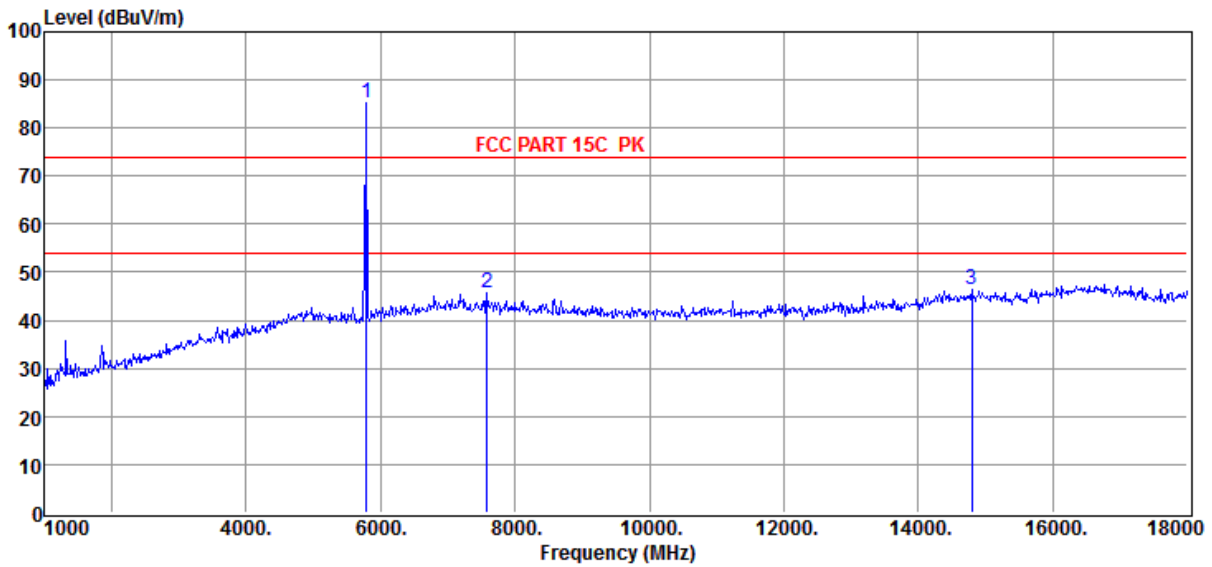
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5777.00	78.86	35.74	29.15	8.73	94.18	74.00	20.18	Peak	HORIZONTAL
2	6899.00	27.60	36.91	29.41	9.80	44.90	74.00	-29.10	Peak	HORIZONTAL
3	11574.00	33.75	38.93	34.40	12.12	50.40	74.00	-23.60	Peak	HORIZONTAL
4	15926.00	28.10	42.88	36.44	13.68	48.22	74.00	-25.78	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5785MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 34



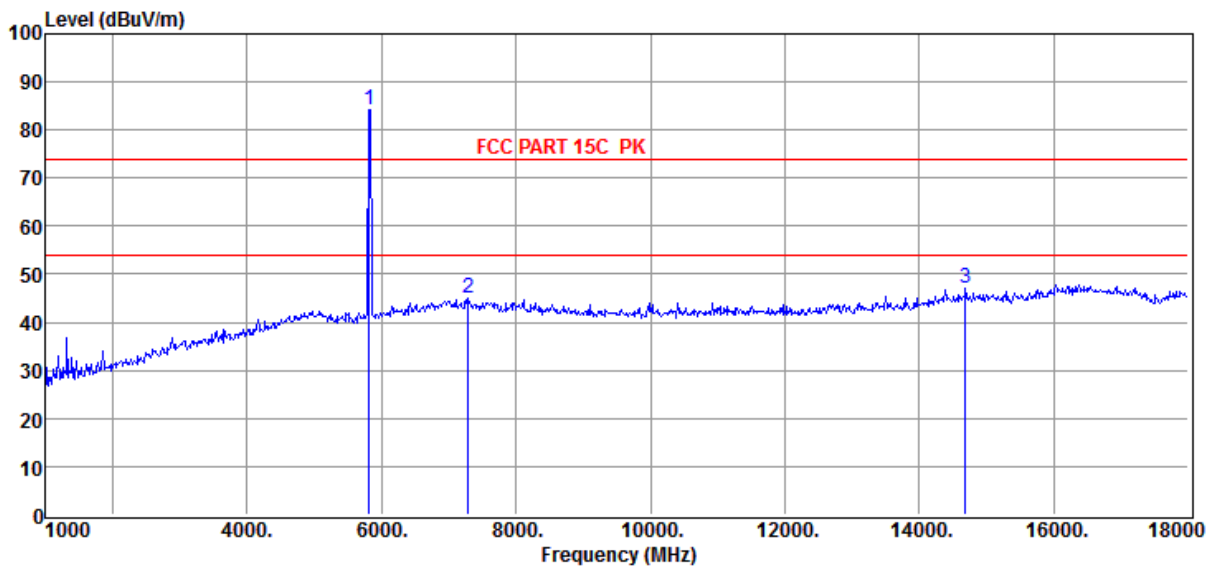
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5794.00	69.71	35.77	29.15	8.73	85.06	74.00	11.06	Peak	VERTICAL
2	7579.00	28.40	37.42	30.42	10.15	45.55	74.00	-28.45	Peak	VERTICAL
3	14787.00	27.16	41.93	35.90	13.37	46.56	74.00	-27.44	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5825MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 35



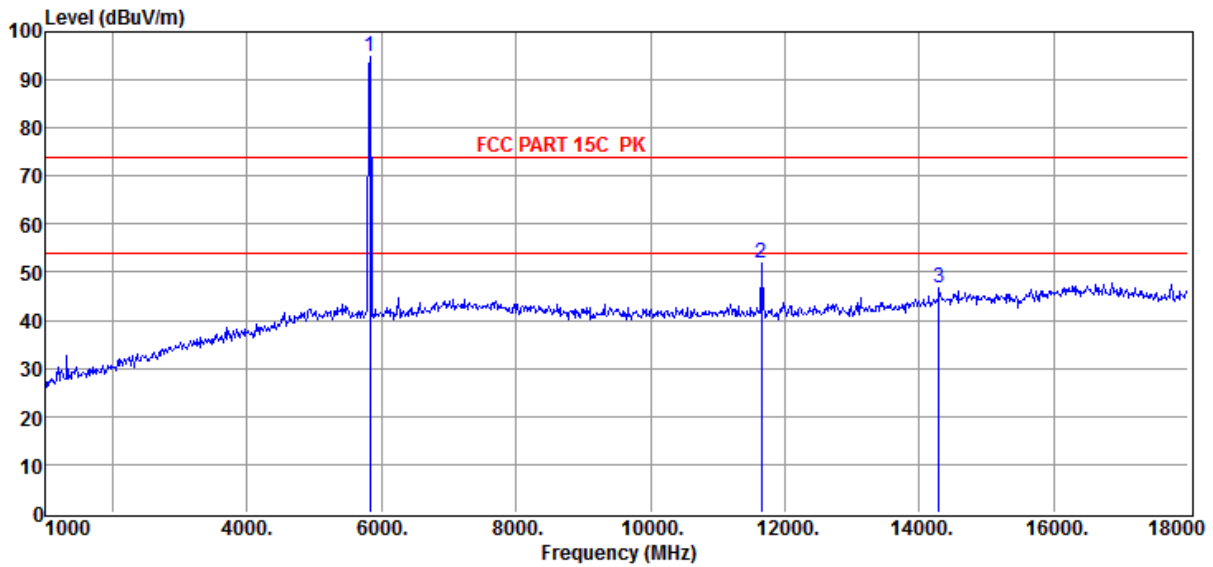
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5811.00	68.78	35.80	29.15	8.73	84.16	74.00	10.16	Peak	VERTICAL
2	7290.00	27.53	37.28	29.81	9.97	44.97	74.00	-29.03	Peak	VERTICAL
3	14685.00	27.77	41.85	35.84	13.34	47.12	74.00	-26.88	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT20 Tx mode 5825MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 36



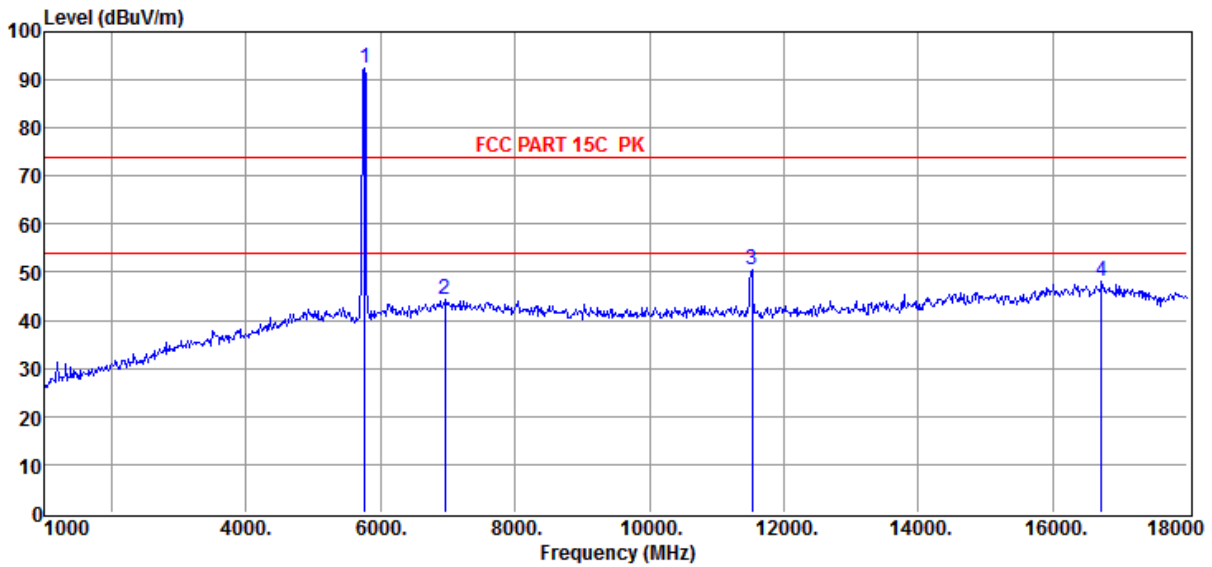
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5828.00	79.27	35.82	29.16	8.77	94.70	74.00	20.70	Peak	HORIZONTAL
2	11642.00	35.10	38.96	34.44	12.16	51.78	74.00	-22.22	Peak	HORIZONTAL
3	14294.00	28.15	41.12	35.69	13.25	46.83	74.00	-27.17	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT40 Tx mode 5755MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 41



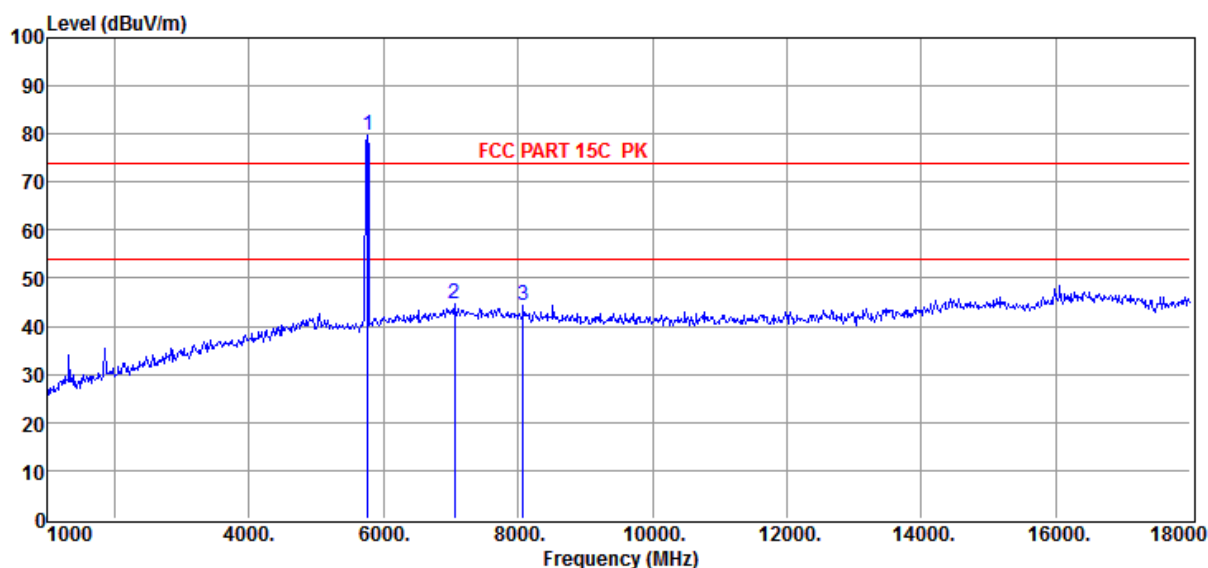
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5760.00	77.24	35.71	29.14	8.69	92.50	74.00	18.50	Peak	HORIZONTAL
2	6950.00	26.96	37.01	29.41	9.82	44.38	74.00	-29.62	Peak	HORIZONTAL
3	11523.00	33.73	38.91	34.39	12.10	50.35	74.00	-23.65	Peak	HORIZONTAL
4	16725.00	27.33	43.66	36.79	13.82	48.02	74.00	-25.98	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT40 Tx mode 5755MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 42



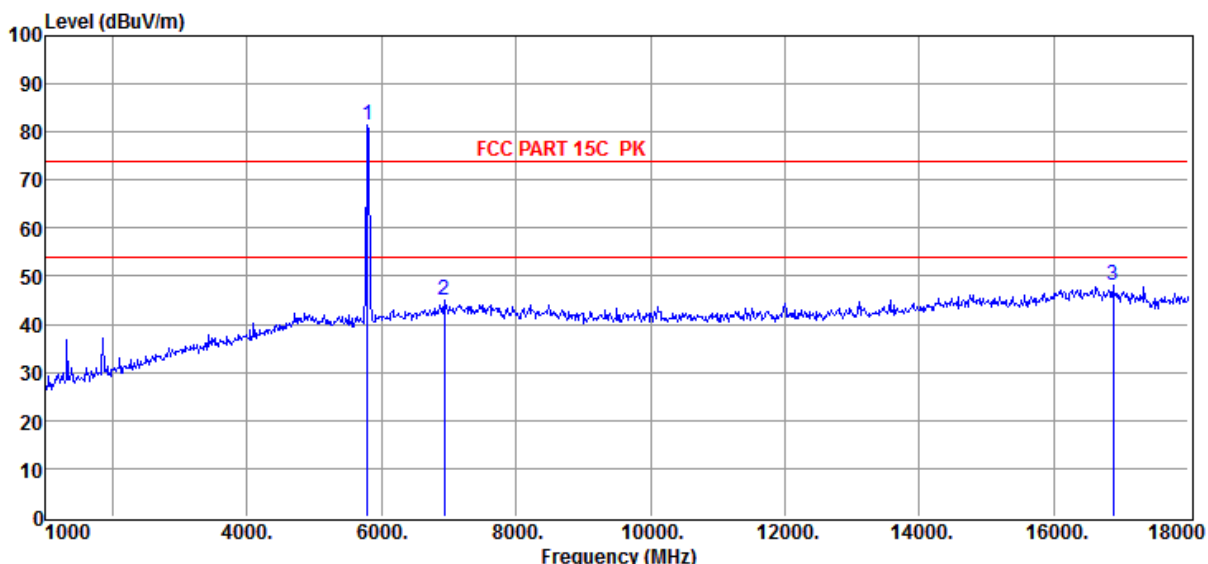
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5760.00	64.53	35.71	29.14	8.69	79.79	74.00	5.79	Peak	VERTICAL
2	7052.00	27.05	37.13	29.47	9.87	44.58	74.00	-29.42	Peak	VERTICAL
3	8072.00	27.82	37.53	31.28	10.39	44.46	74.00	-29.54	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT40 Tx mode 5795MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 43



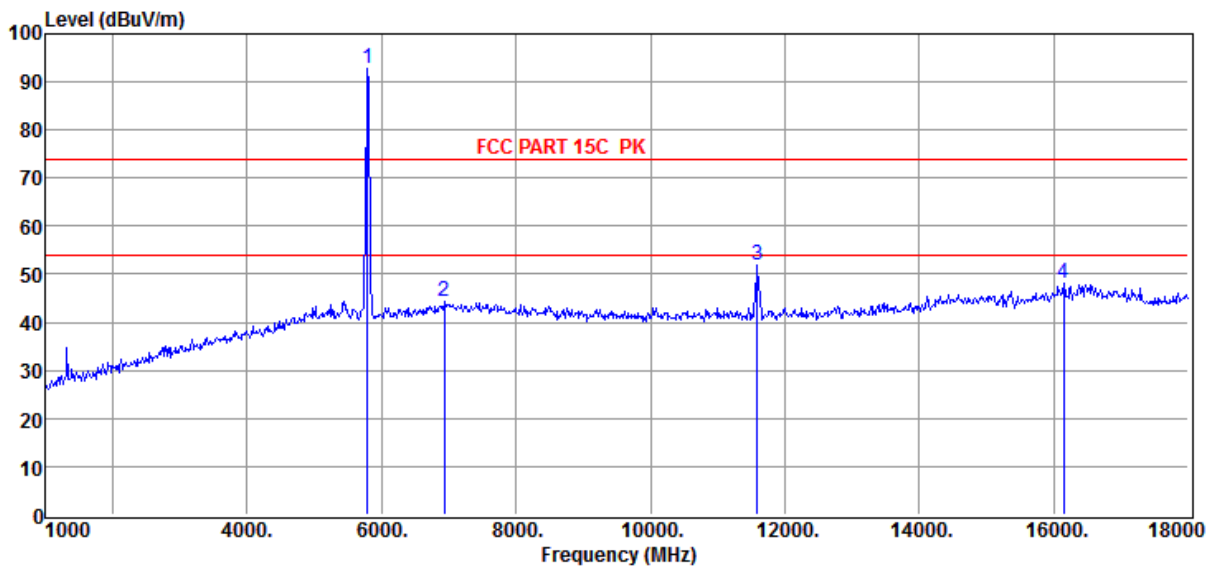
Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5794.00	66.10	35.77	29.15	8.73	81.45	74.00	7.45	Peak	VERTICAL
2	6933.00	27.72	36.98	29.41	9.82	45.11	74.00	-28.89	Peak	VERTICAL
3	16878.00	27.59	43.62	36.91	13.86	48.16	74.00	-25.84	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber **E:** \2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT40 Tx mode 5795MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 44



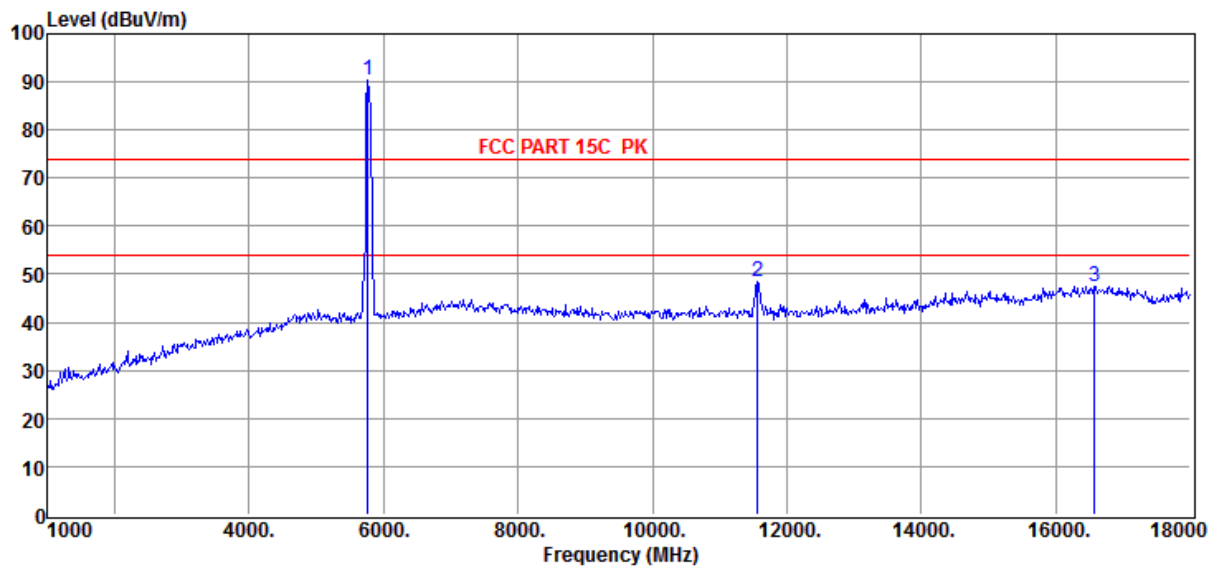
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5794.00	77.41	35.77	29.15	8.73	92.76	74.00	18.76	Peak	HORIZONTAL
2	6933.00	26.80	36.98	29.41	9.82	44.19	74.00	-29.81	Peak	HORIZONTAL
3	11591.00	35.32	38.93	34.42	12.14	51.97	74.00	-22.03	Peak	HORIZONTAL
4	16147.00	27.71	43.28	36.50	13.71	48.20	74.00	-25.80	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber **E:** \2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT80 Tx mode 5775MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 49



Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector	Polarization
1	5760.00	75.12	35.71	29.14	8.69	90.38	74.00	16.38	Peak	HORIZONTAL
2	11557.00	31.78	38.92	34.40	12.12	48.42	74.00	-25.58	Peak	HORIZONTAL
3	16572.00	26.79	43.69	36.69	13.78	47.57	74.00	-26.43	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

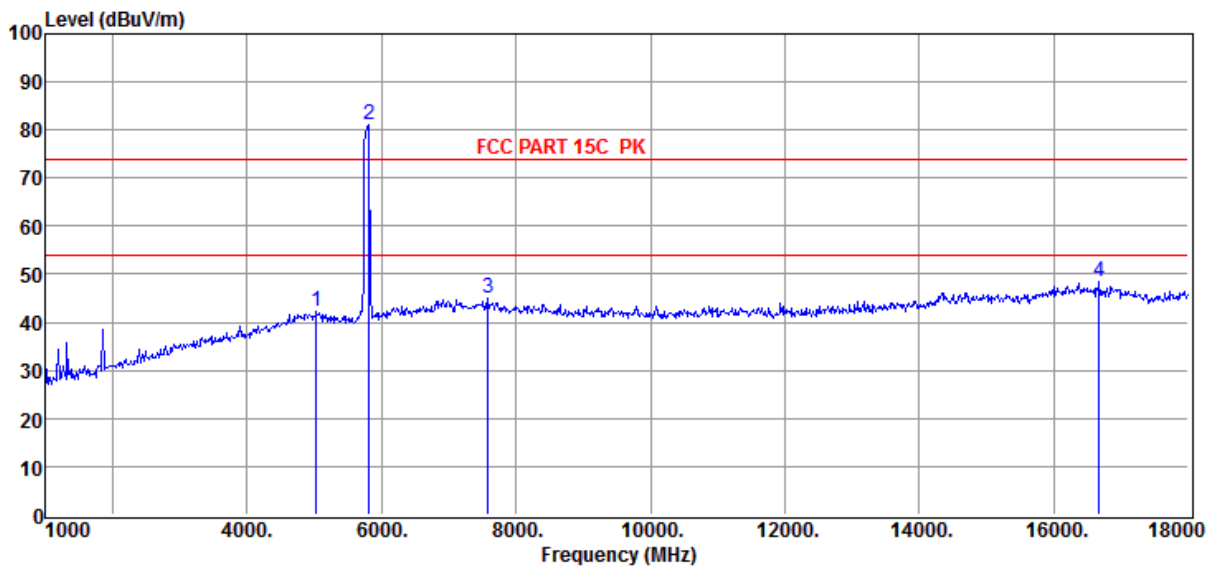
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT80 Tx mode 5775MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 50



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5029.00	27.24	35.67	29.02	8.22	42.11	74.00	-31.89	Peak	VERTICAL
2	5811.00	65.84	35.80	29.15	8.73	81.22	74.00	7.22	Peak	VERTICAL
3	7579.00	27.86	37.42	30.42	10.15	45.01	74.00	-28.99	Peak	VERTICAL
4	16674.00	27.58	43.67	36.74	13.80	48.31	74.00	-25.69	Peak	VERTICAL

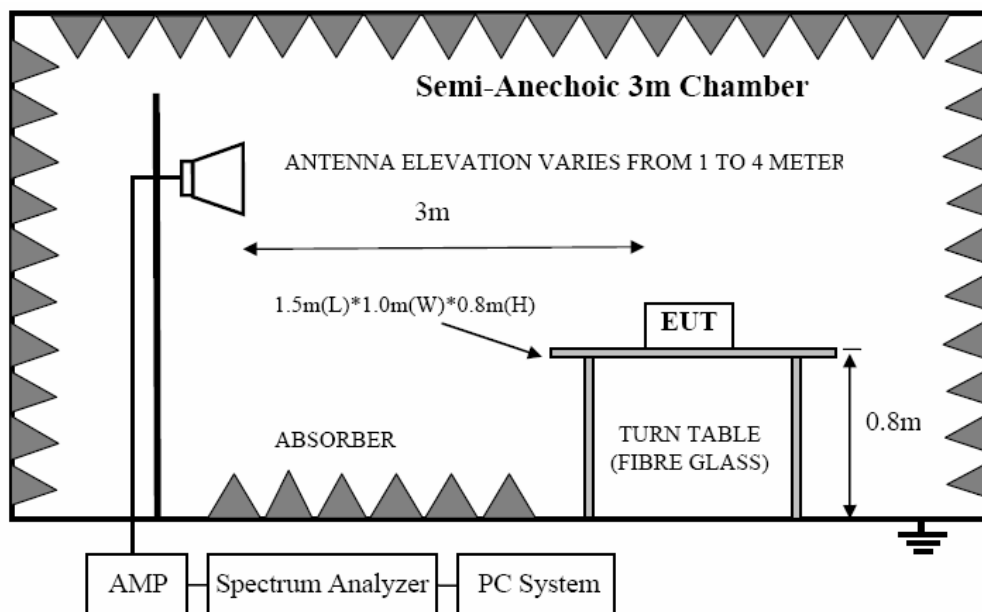
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

8. Band Edge Compliance

8.1. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	EMI Test Receiver	R&S	ESU8	100316	2014/10/25	1 Year
2	Spectrum analyzer	R&S	FSU	1166.1660.26	2014/10/25	1 Year
3	Trilog Broadband Antenna	Schwarzbeck	VULB9163	9163-462	2014/04/12	1 Year
4	Double Ridged Horn Antenna	R&S	HF907	100276	2014/04/12	1 Year
5	Pre-amplifier	A.H.	PAM0-0118	360	2014/10/25	1 Year
6	RF Cable	R&S	R01	10403	2014/10/25	1 Year
7	RF Cable	R&S	R02	10512	2014/10/25	1 Year

8.2. Block diagram of test setup



8.3. Limit

For transmitters operating in the 5.15-5.25 GHz and 5.725-5.85G band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.

8.4. Test Procedure

Same with clause 7.4 except change investigated frequency range from 5.15-5.25 GHz, 5.725-5.85G.

Remark: All restriction band have been tested, and only the worse case is shown in report.

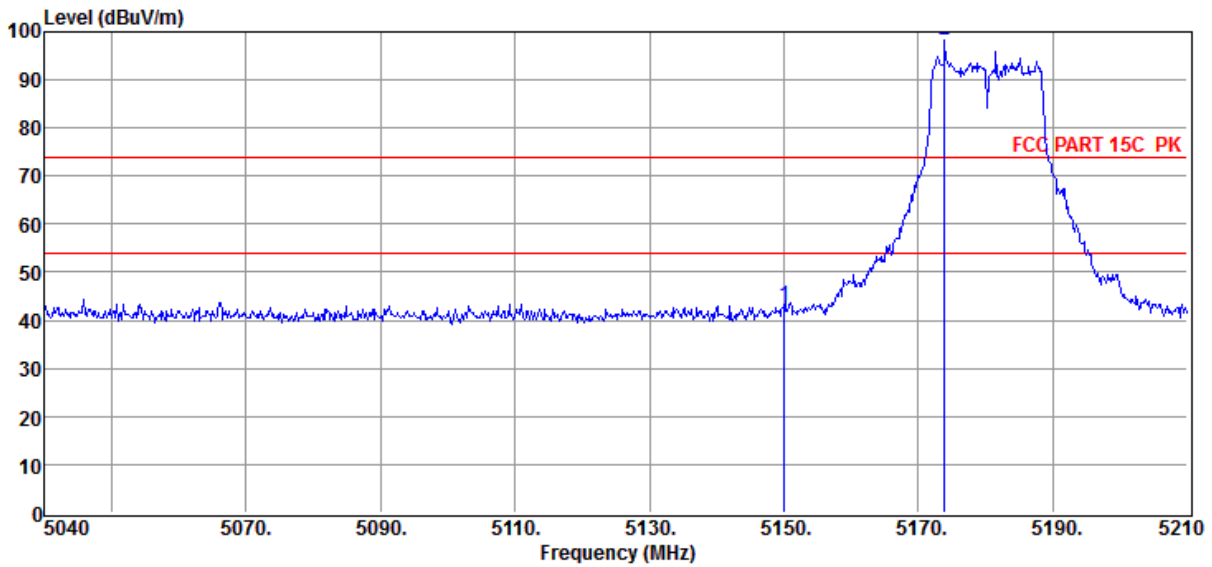
8.5. Test result

PASS. (See below detailed test result)

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11a Tx mode 5180MHz
Condition : Temp:24.5'C,Humi:55%,
Antenna/Distance : 2014 HF907/3m/HORIZONTAL
 Press:100.1kPa
Memo :

Data: 53



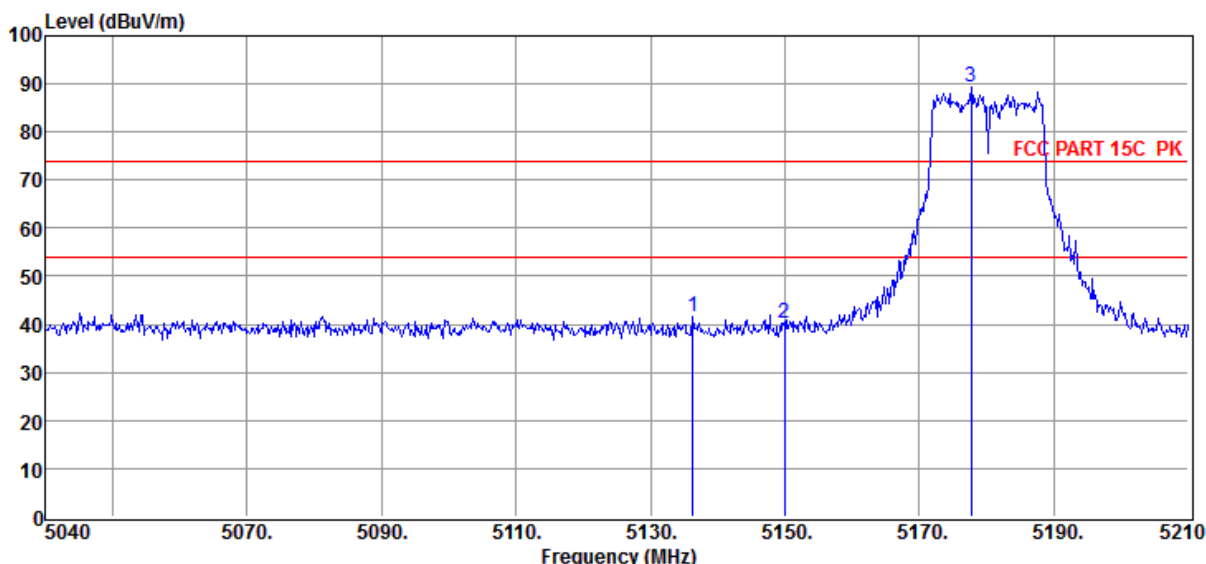
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5150.00	28.17	35.58	29.04	8.28	42.99	68.2	-25.21	Peak	HORIZONTAL
2	5173.90	83.42	35.55	29.04	8.28	98.21	/	/	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11a Tx mode 5180MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 54



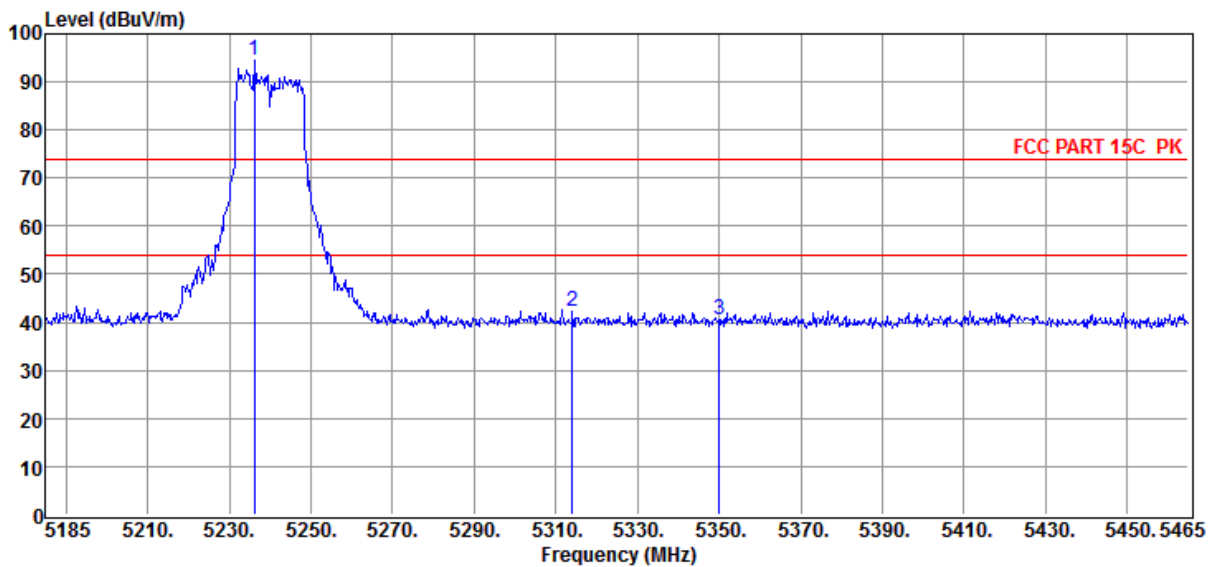
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5136.28	26.62	35.59	29.03	8.26	41.44	68.2	-26.76	Peak	VERTICAL
2	5149.96	25.26	35.58	29.04	8.28	40.08	68.2	-28.12	Peak	VERTICAL
3	5177.70	74.54	35.55	29.04	8.28	89.33	/	/	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11a Tx mode 5240MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 59



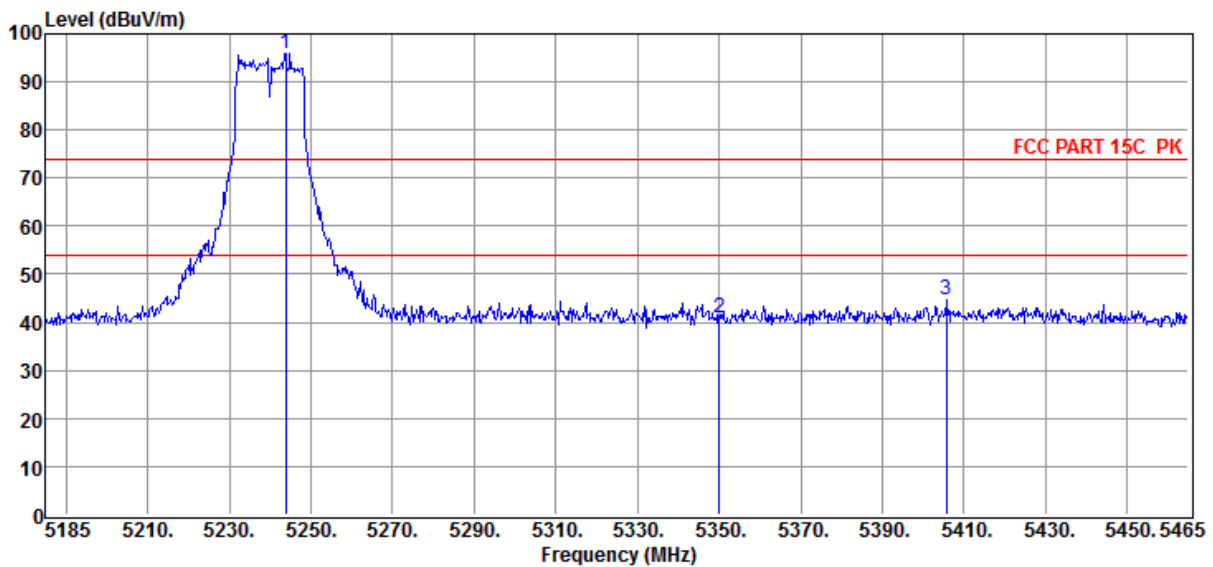
Item (Mark)	Freq (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	Detector	Polarization
1	5236.24	79.82	35.51	29.05	8.32	94.60	/	/	Peak	VERTICAL
2	5314.08	27.68	35.45	29.06	8.36	42.43	68.2	-25.77	Peak	VERTICAL
3	5350.00	25.91	35.42	29.06	8.39	40.66	68.2	-27.54	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11a Tx mode 5240MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 60



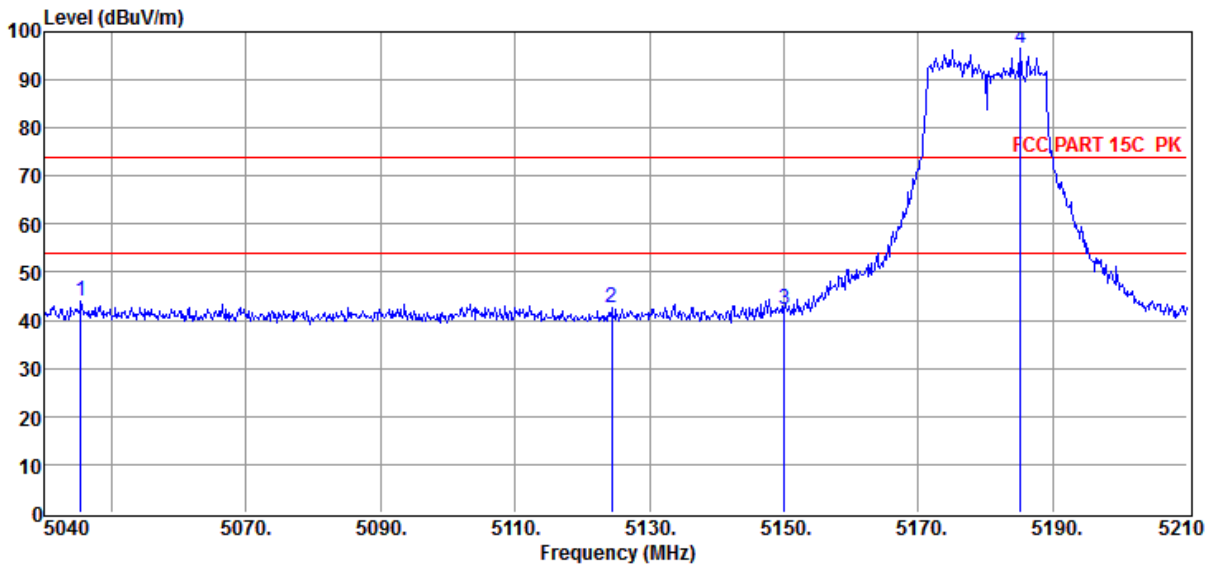
Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5243.80	81.09	35.50	29.05	8.32	95.86	/	/	Peak	HORIZONTAL
2	5350.00	26.24	35.42	29.06	8.39	40.99	68.2	-25.77	Peak	HORIZONTAL
3	5405.64	30.07	35.38	29.07	8.41	44.79	68.2	-27.54	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11n HT20 Tx mode 5180MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 61



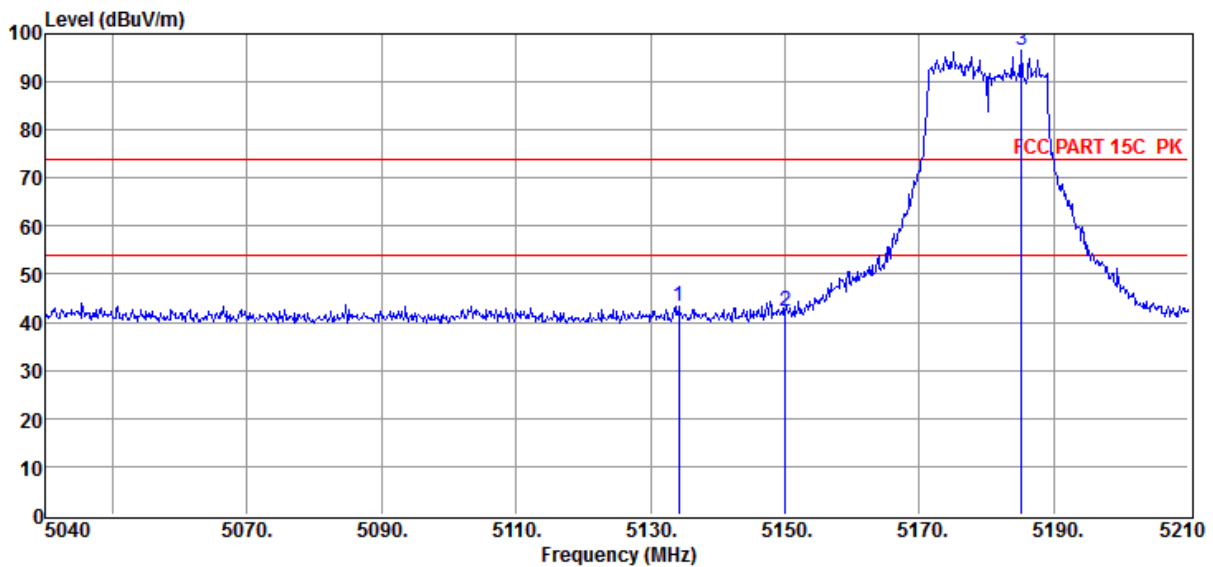
Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5045.44	28.97	35.66	29.02	8.22	43.83	68.2	-24.37	Peak	HORIZONTAL
2	5124.32	27.95	35.59	29.03	8.26	42.77	68.2	-25.43	Peak	HORIZONTAL
3	5150.00	27.30	35.58	29.04	8.28	42.12	68.2	-26.08	Peak	HORIZONTAL
4	5185.18	81.75	35.55	29.04	8.30	96.56	/	/	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5180MHz
Condition : Temp:24.5'C,Humi:55%,
Antenna/Distance : 2014 HF907/3m/VERTICAL
 Press:100.1kPa
Memo :

Data: 62



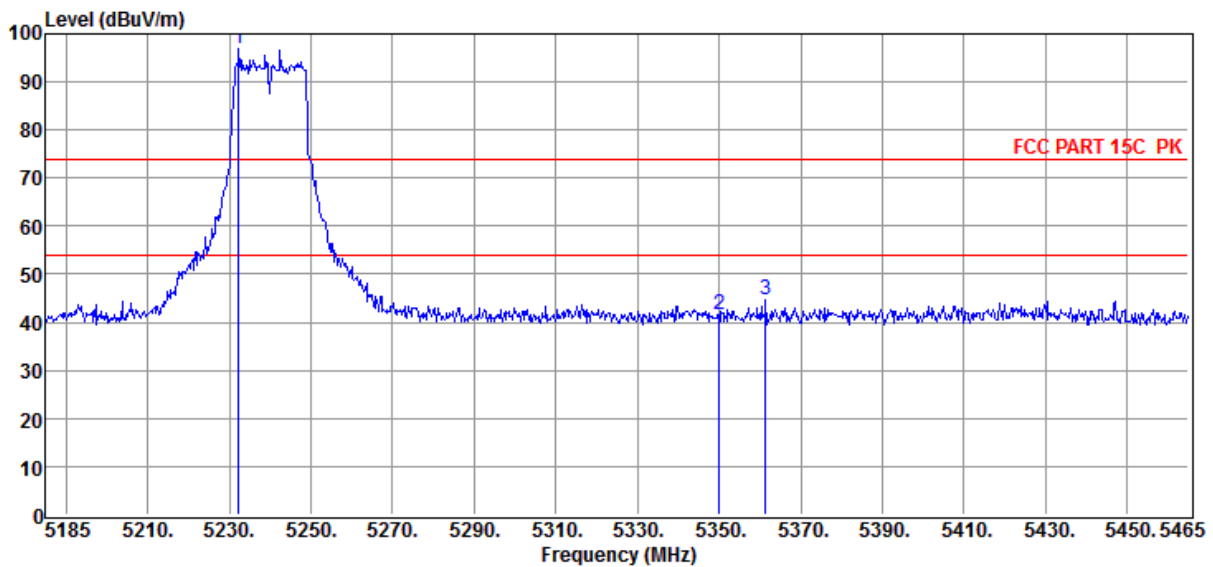
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5134.18	28.61	35.59	29.03	8.26	43.43	68.2	-24.77	Peak	VERTICAL
2	5149.99	27.30	35.58	29.04	8.28	42.12	68.2	-26.08	Peak	VERTICAL
3	5185.18	81.75	35.55	29.04	8.30	96.56	/	/	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5240MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 69



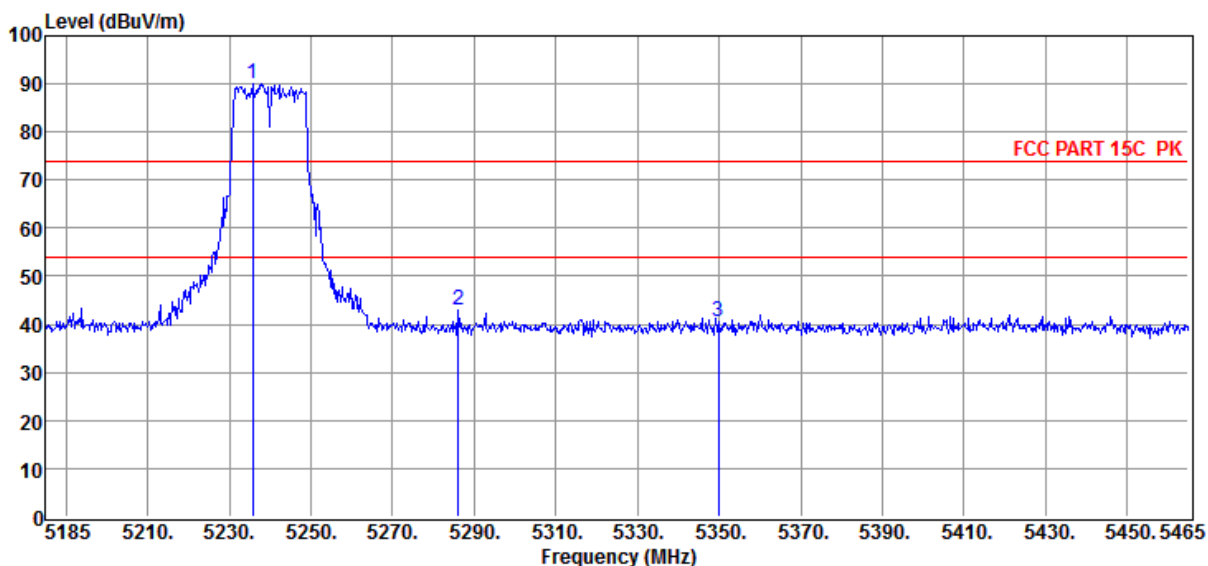
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5232.32	82.01	35.51	29.05	8.32	96.79	/	/	Peak	HORIZONTAL
2	5350.00	26.80	35.42	29.06	8.39	41.55	68.2	-26.65	Peak	HORIZONTAL
3	5361.40	30.02	35.41	29.06	8.39	44.76	68.2	-23.44	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11n HT20 Tx mode 5240MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 70



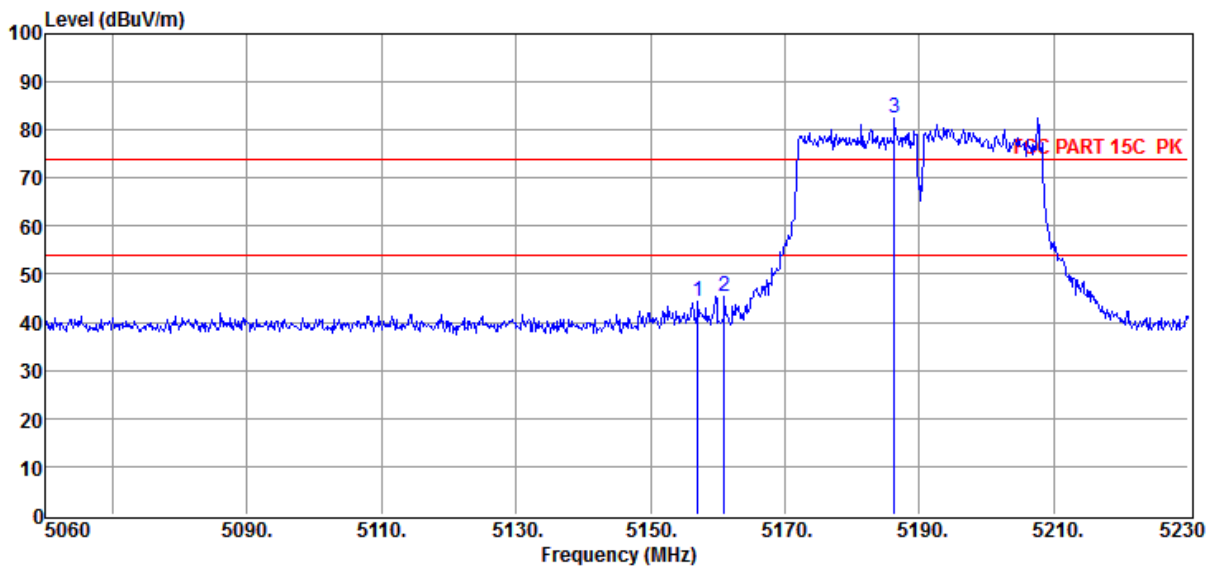
Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5235.68	75.39	35.51	29.05	8.32	90.17	/	/	Peak	VERTICAL
2	5286.08	28.08	35.47	29.05	8.34	42.84	68.2	-25.36	Peak	VERTICAL
3	5349.92	25.69	35.42	29.06	8.39	40.44	68.2	-27.76	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT40 Tx mode 5190MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 73



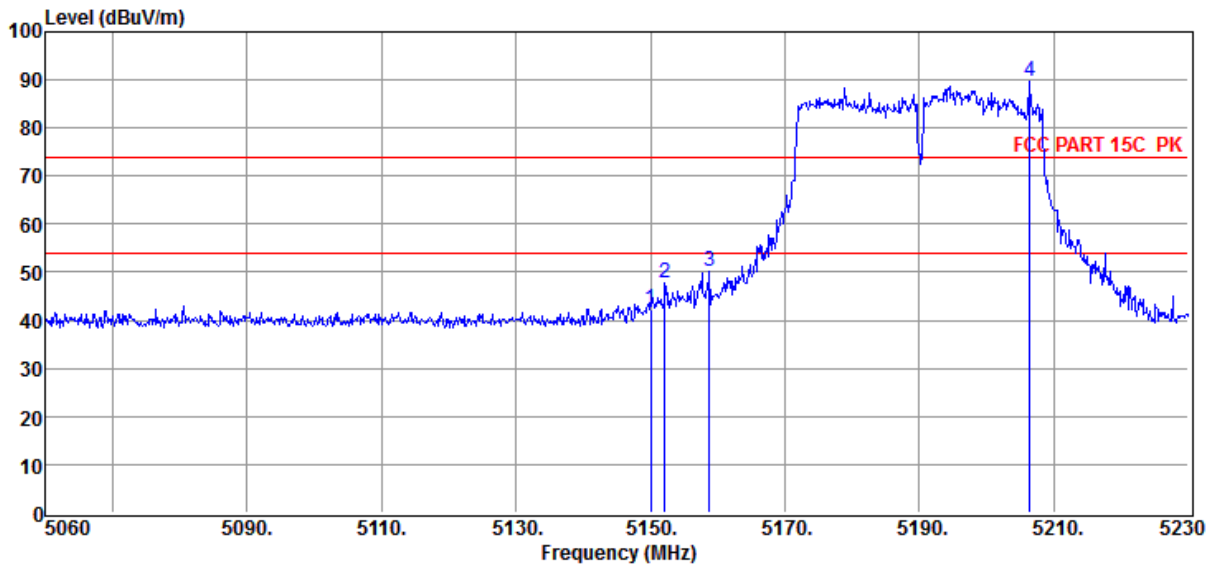
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5157.07	29.50	35.57	29.04	8.28	44.31	68.2	-23.89	Peak	HORIZONTAL
2	5160.98	30.45	35.57	29.04	8.28	45.26	68.2	-22.94	Peak	HORIZONTAL
3	5186.31	67.75	35.55	29.04	8.30	82.56	/	/	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT40 Tx mode 5190MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 74



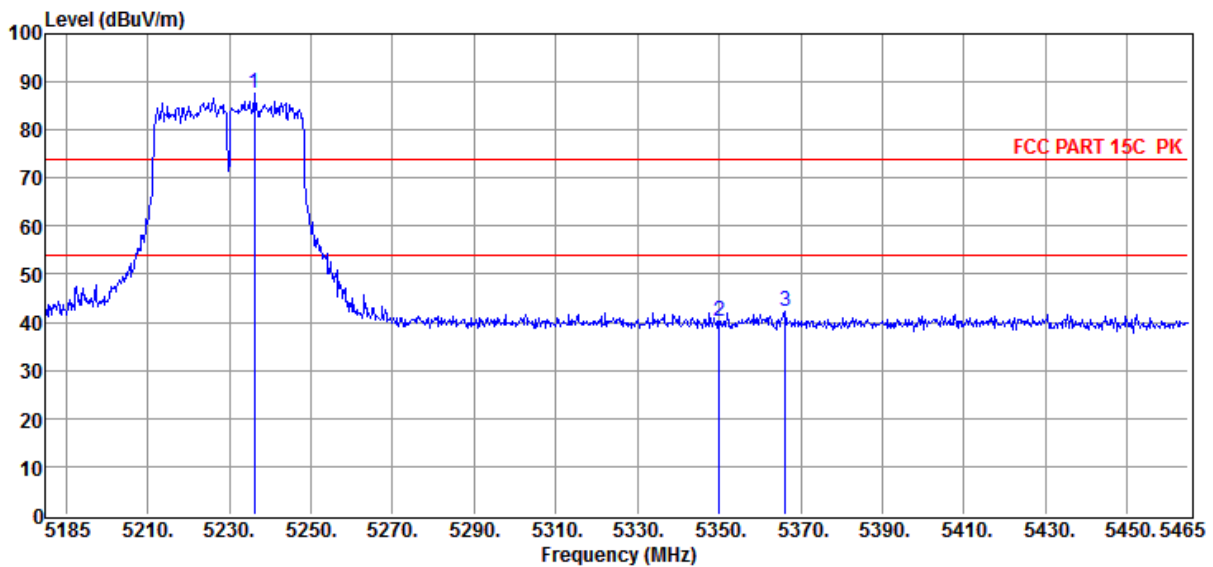
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5150.00	27.33	35.58	29.04	8.28	42.15	68.2	-26.05	Peak	VERTICAL
2	5152.14	32.95	35.58	29.04	8.28	47.77	68.2	-20.43	Peak	VERTICAL
3	5158.77	35.46	35.57	29.04	8.28	50.27	68.2	-17.93	Peak	VERTICAL
4	5206.37	74.75	35.54	29.04	8.30	89.55	/	/	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-05	Tested By : Leo
EUT	: Wireless Access Point	Model Number : WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode : 11n HT40 Tx mode 5230MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo	:	

Data: 75



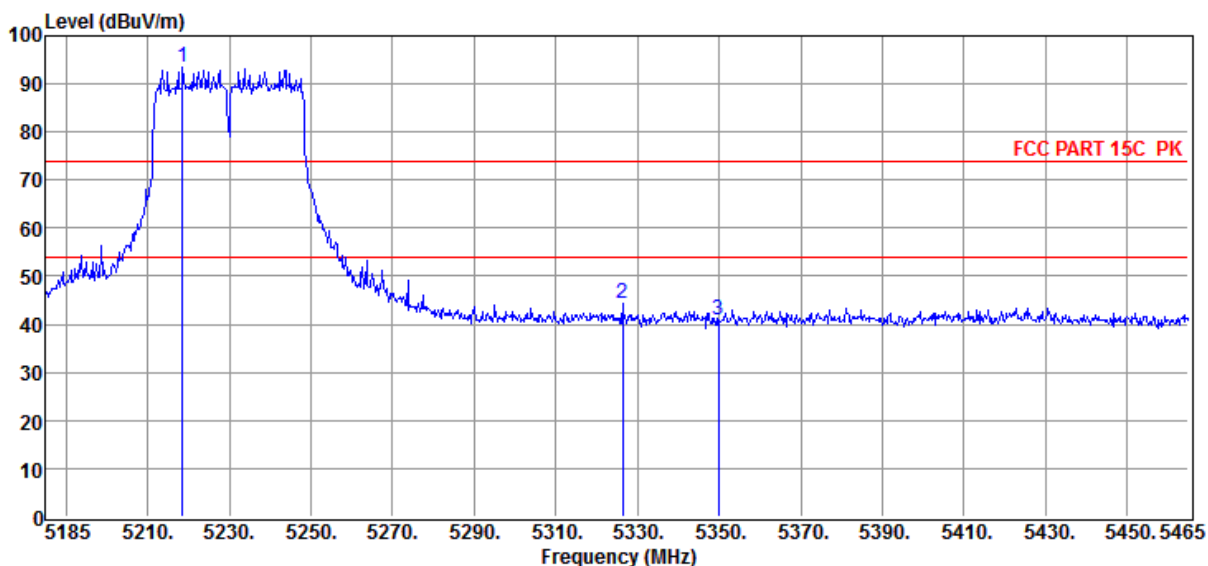
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5236.24	72.84	35.51	29.05	8.32	87.62	/	/	Peak	VERTICAL
2	5350.00	25.56	35.42	29.06	8.39	40.31	68.2	-27.89	Peak	VERTICAL
3	5366.16	27.49	35.41	29.06	8.39	42.23	68.2	-25.97	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT40 Tx mode 5230MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 76



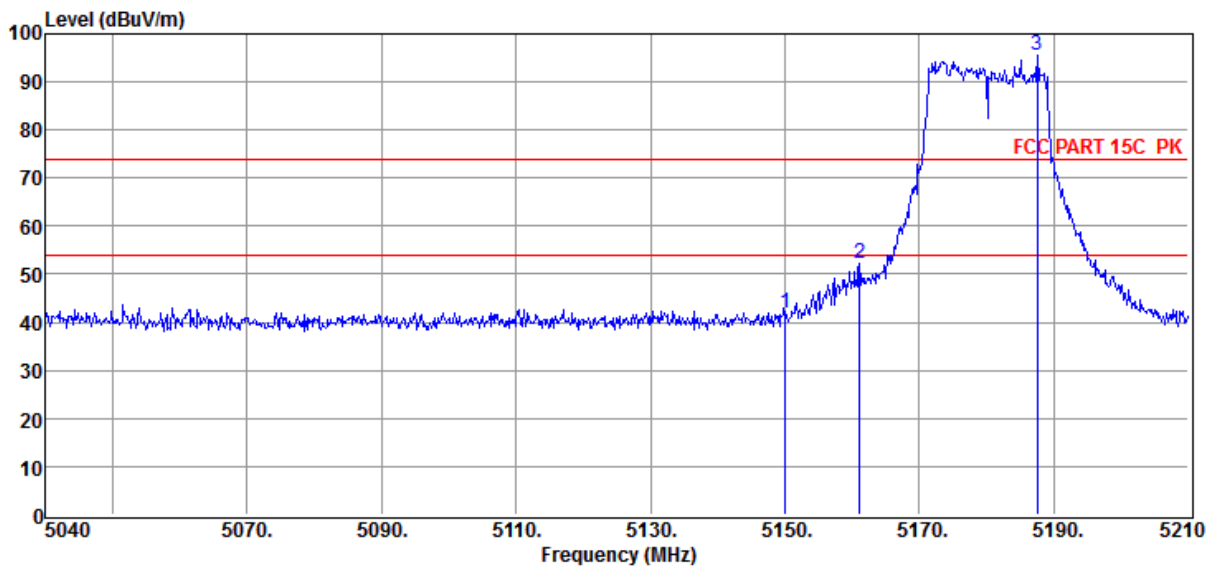
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5218.60	78.81	35.53	29.04	8.30	93.60	/	/	Peak	HORIZONTAL
2	5326.40	29.50	35.45	29.06	8.36	44.25	68.2	-23.95	Peak	HORIZONTAL
3	5349.92	26.12	35.42	29.06	8.39	40.87	68.2	-27.33	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5180MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 81



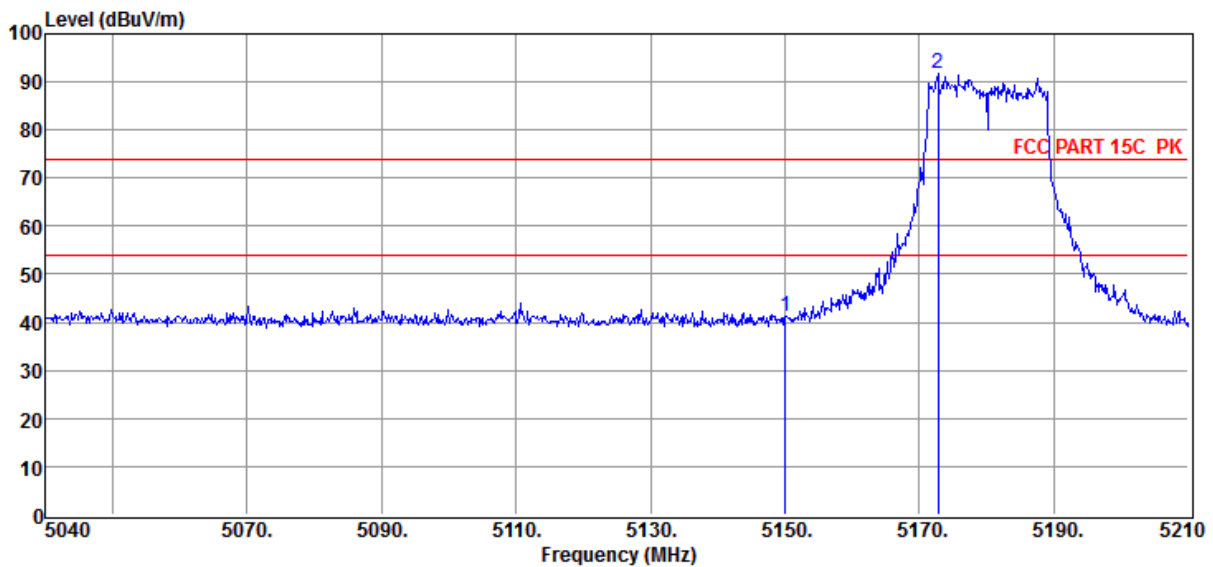
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5150.00	27.25	35.58	29.04	8.28	42.07	68.2	-26.13	Peak	HORIZONTAL
2	5161.04	37.39	35.57	29.04	8.28	52.20	68.2	-16	Peak	HORIZONTAL
3	5187.56	80.65	35.55	29.04	8.30	95.46	/	/	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT20 Tx mode 5180MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 82



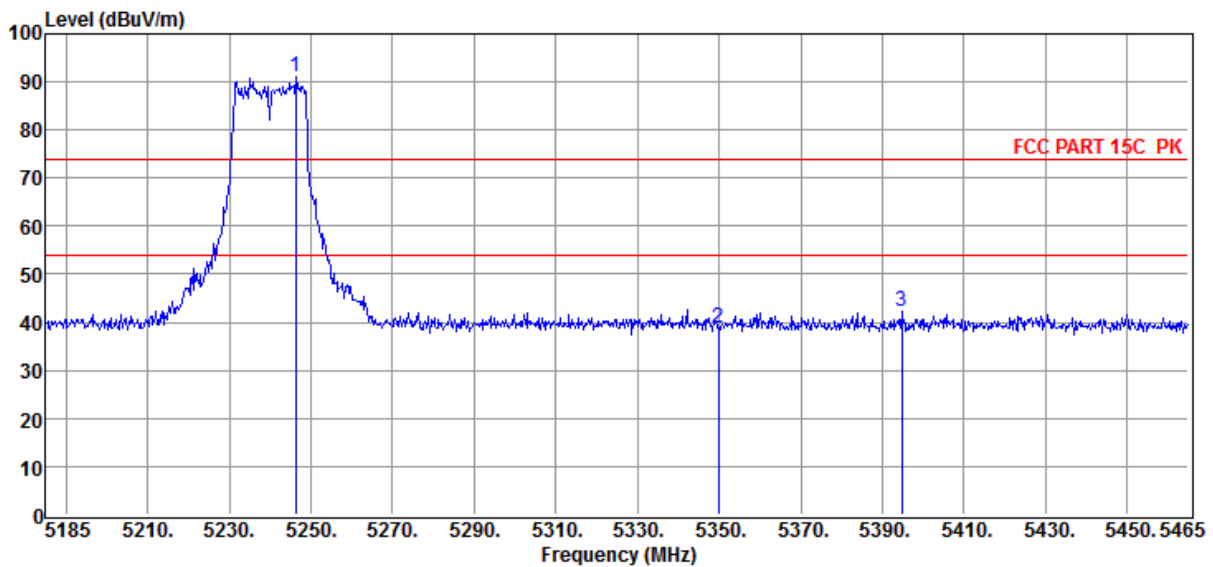
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5150.00	26.43	35.58	29.04	8.28	41.25	68.2	-26.95	Peak	VERTICAL
2	5172.77	76.81	35.57	29.04	8.28	91.62	/	/	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5240MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 87



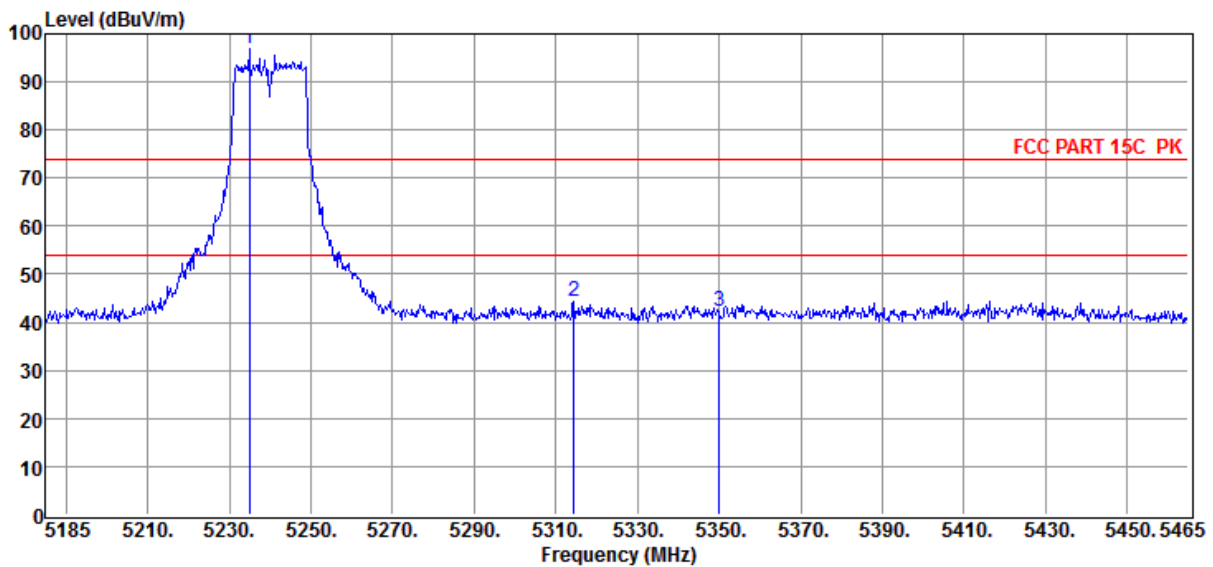
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5246.32	76.30	35.50	29.05	8.32	91.07	/	/	Peak	VERTICAL
2	5349.92	24.07	35.42	29.06	8.39	38.82	68.2	-29.38	Peak	VERTICAL
3	5394.72	27.38	35.38	29.07	8.41	42.10	68.2	-26.1	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT20 Tx mode 5240MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 88



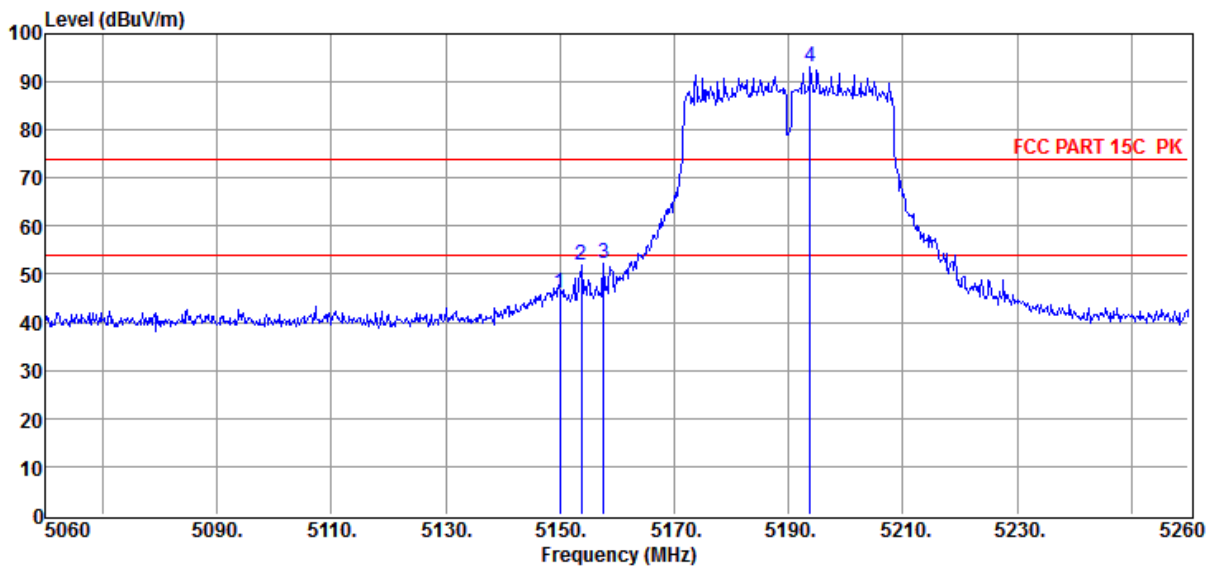
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5234.84	82.12	35.51	29.05	8.32	96.90	/	/	Peak	HORIZONTAL
2	5314.36	29.49	35.45	29.06	8.36	44.24	68.2	-23.96	Peak	HORIZONTAL
3	5350.00	27.35	35.42	29.06	8.39	42.10	68.2	-26.1	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT40 Tx mode 5190MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 89



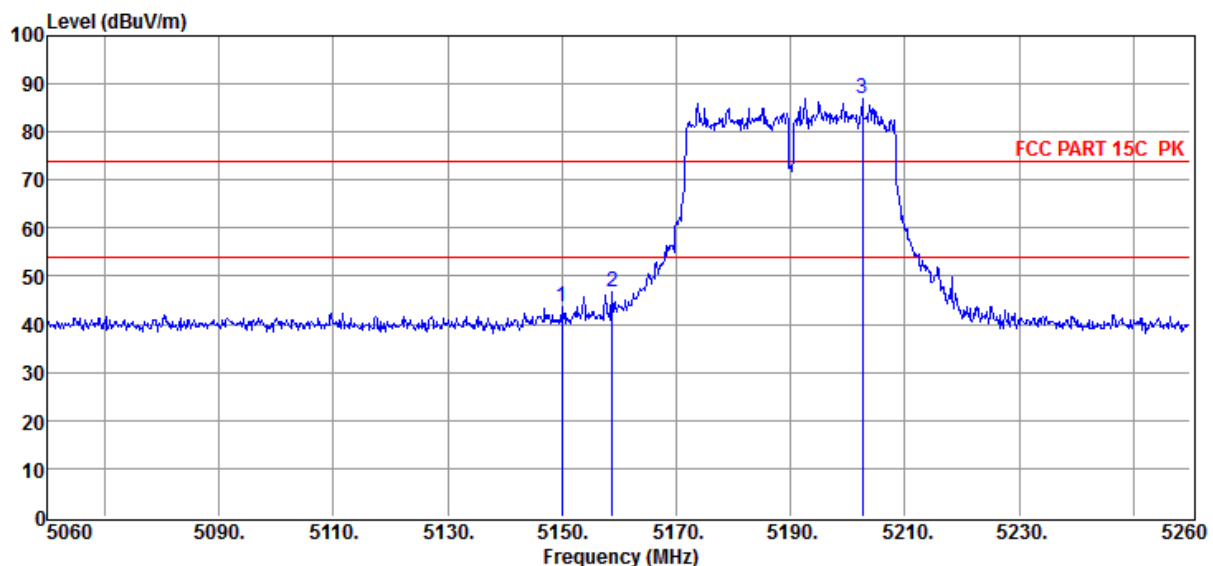
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5150.00	31.19	35.58	29.04	8.28	46.01	68.2	-22.19	Peak	HORIZONTAL
2	5153.80	37.11	35.58	29.04	8.28	51.93	68.2	-16.27	Peak	HORIZONTAL
3	5157.60	37.39	35.57	29.04	8.28	52.20	68.2	-16	Peak	HORIZONTAL
4	5193.80	78.30	35.54	29.04	8.30	93.10	/	/	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT40 Tx mode 5190MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 90



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5150.00	28.99	35.58	29.04	8.28	43.81	68.2	-24.39	Peak	VERTICAL
2	5158.80	32.00	35.57	29.04	8.28	46.81	68.2	-21.39	Peak	VERTICAL
3	5202.60	72.27	35.54	29.04	8.30	87.07	/	/	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

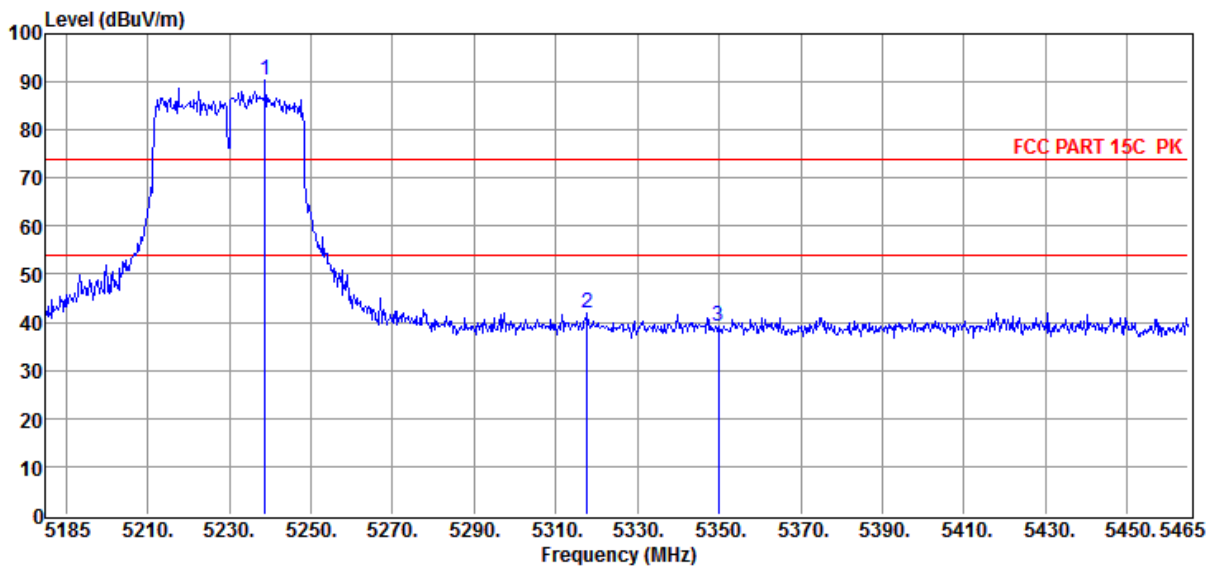
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT40 Tx mode 5230MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 95



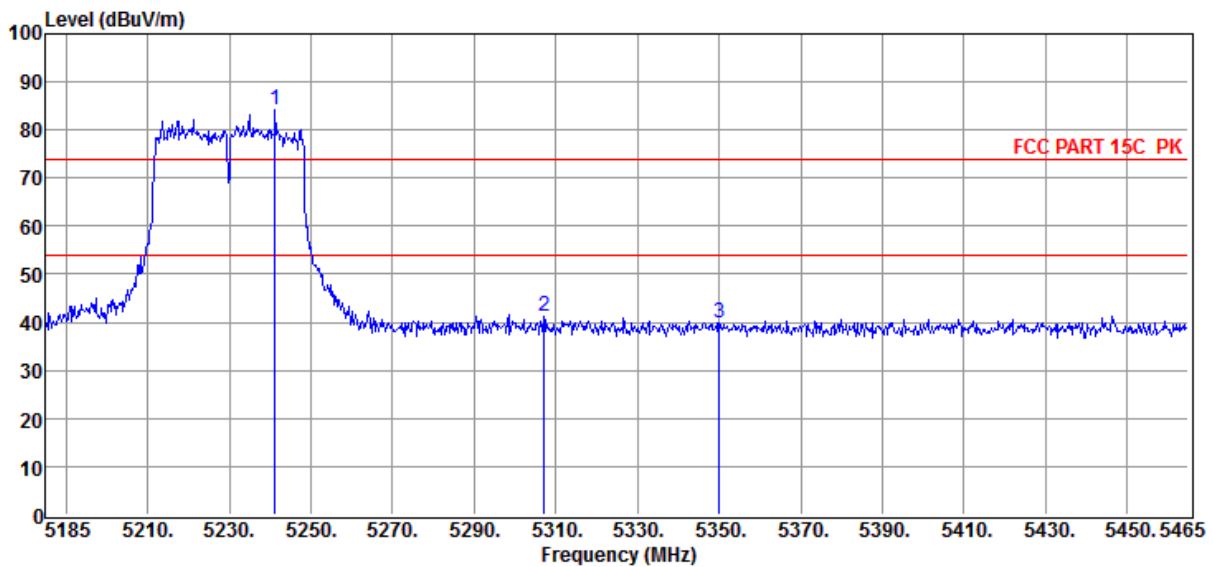
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5238.76	75.73	35.51	29.05	8.32	90.51	/	/	Peak	VERTICAL
2	5317.72	27.25	35.45	29.06	8.36	42.00	68.2	-26.2	Peak	VERTICAL
3	5349.92	24.42	35.42	29.06	8.39	39.17	68.2	-29.03	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT40 Tx mode 5230MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 96



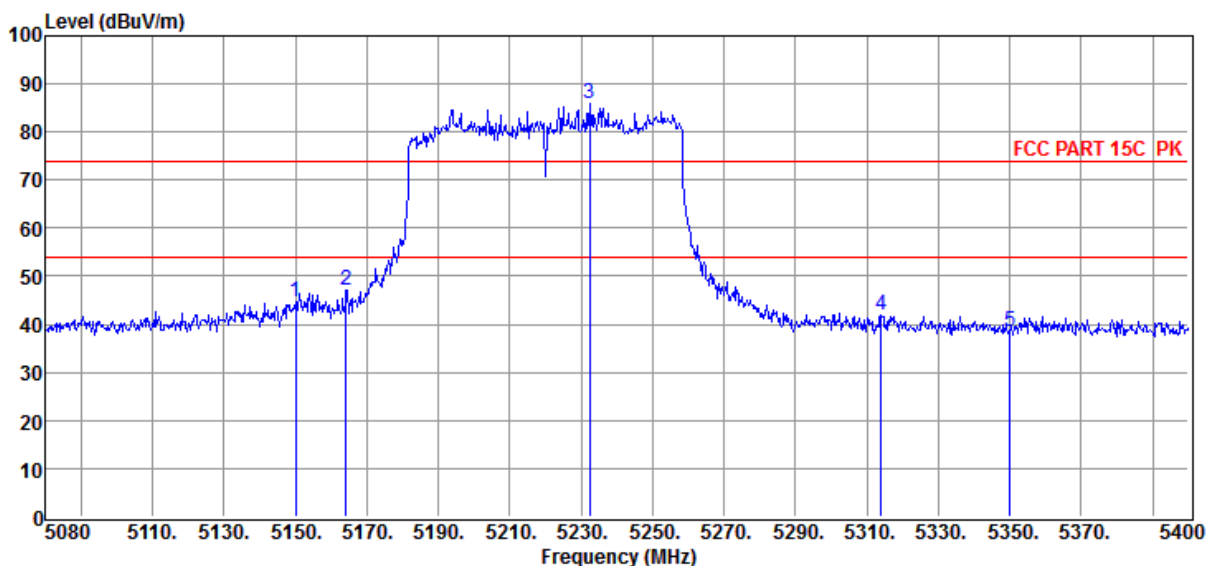
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5241.28	69.42	35.51	29.05	8.32	84.20	/	/	Peak	HORIZONTAL
2	5307.08	26.34	35.46	29.06	8.36	41.10	68.2	-27.1	Peak	HORIZONTAL
3	5350.00	25.04	35.42	29.06	8.39	39.79	68.2	-28.41	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT80 Tx mode 5210MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 99



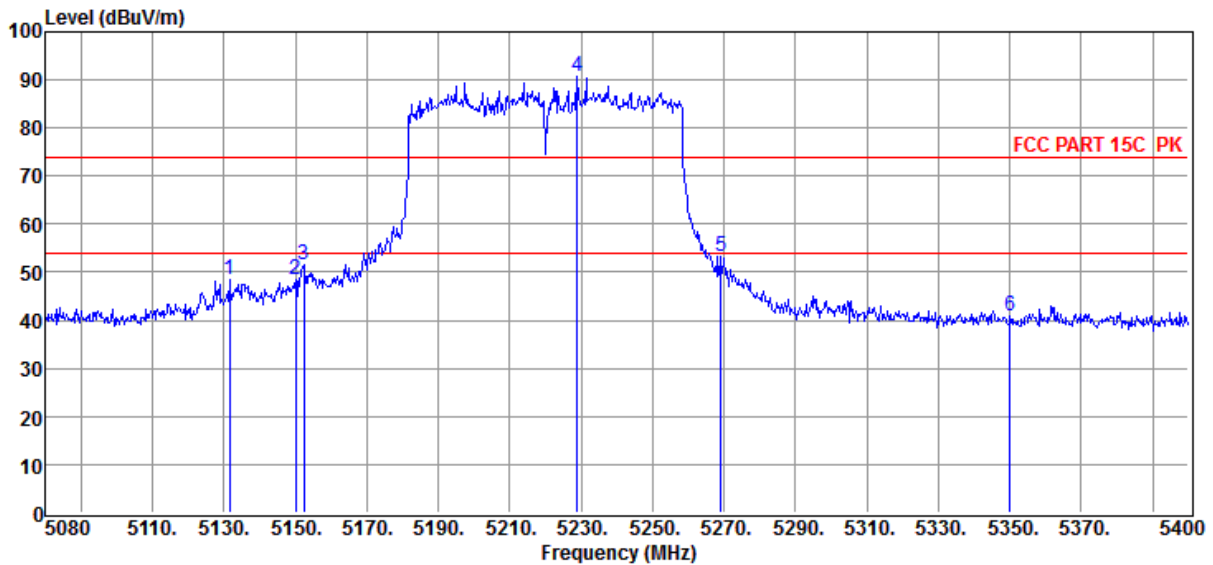
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5150.08	29.88	35.58	29.04	8.28	44.70	68.2	-23.5	Peak	VERTICAL
2	5164.16	32.21	35.57	29.04	8.28	47.02	68.2	-21.18	Peak	VERTICAL
3	5232.32	71.01	35.51	29.05	8.32	85.79	/	/	Peak	VERTICAL
4	5313.92	27.34	35.45	29.06	8.36	42.09	68.2	-26.11	Peak	VERTICAL
5	5350.08	23.72	35.42	29.06	8.39	38.47	68.2	-29.73	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT80 Tx mode 5210MHz
Condition : Temp:24.5'C,Humi:55%,
Antenna/Distance : 2014 HF907/3m/HORIZONTAL
 Press:100.1kPa
Memo :

Data: 100



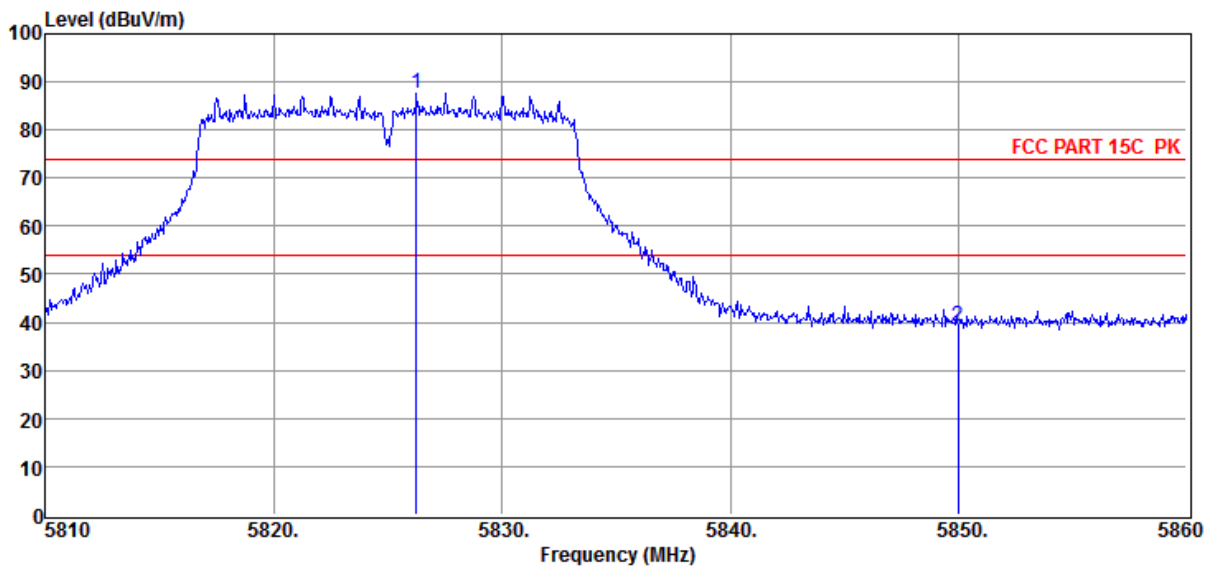
Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5131.52	33.53	35.59	29.03	8.26	48.35	68.2	-19.85	Peak	HORIZONTAL
2	5150.08	33.76	35.58	29.04	8.28	48.58	68.2	-19.62	Peak	HORIZONTAL
3	5152.32	36.62	35.58	29.04	8.28	51.44	68.2	-16.76	Peak	HORIZONTAL
4	5228.80	75.78	35.51	29.05	8.32	90.56	/	/	Peak	HORIZONTAL
5	5269.12	38.59	35.49	29.05	8.34	53.37	68.2	-14.83	Peak	HORIZONTAL
6	5350.08	26.11	35.42	29.06	8.39	40.86	68.2	-27.34	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-04	Tested By : Leo
EUT	: Wireless Access Point	Model Number : WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode : 11a Tx mode 5825MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo	:	

Data: 1



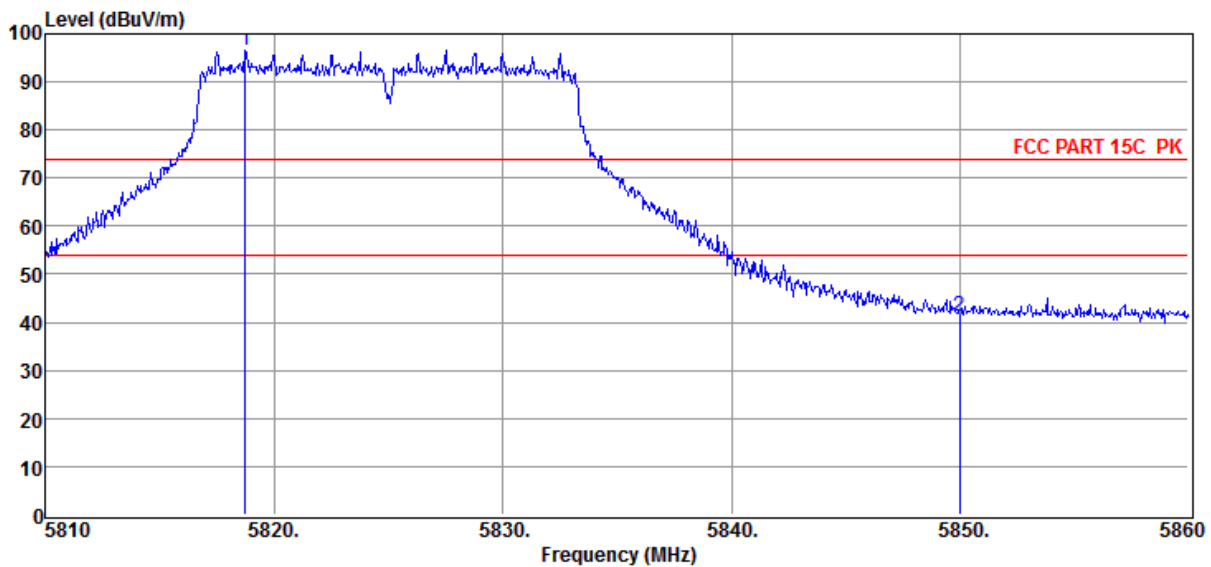
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5826.25	72.14	35.82	29.16	8.77	87.57	74.00	13.57	Peak	VERTICAL
2	5850.00	23.74	35.85	29.16	8.77	39.20	74.00	-34.80	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11a Tx mode 5825MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 2



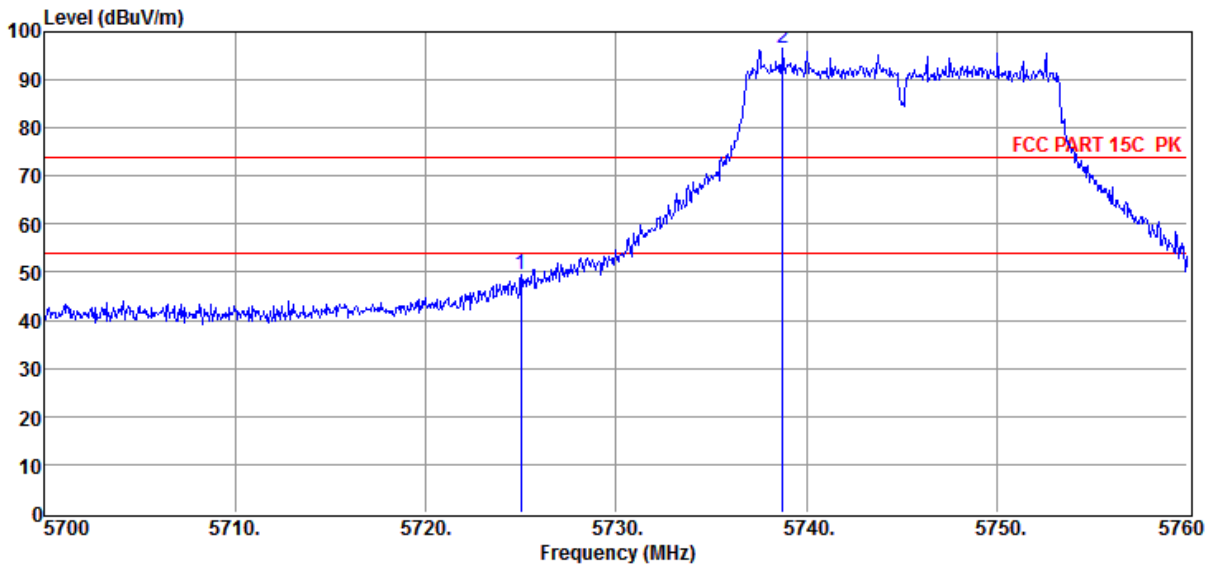
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5818.75	81.01	35.80	29.16	8.77	96.42	74.00	22.42	Peak	HORIZONTAL
2	5850.00	25.83	35.85	29.16	8.77	41.29	74.00	-32.71	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11a Tx mode 5745MHz
Condition : Temp:24.5'C,Humi:55%,
Antenna/Distance : 2014 HF907/3m/HORIZONTAL
 Press:100.1kPa
Memo :

Data: 3



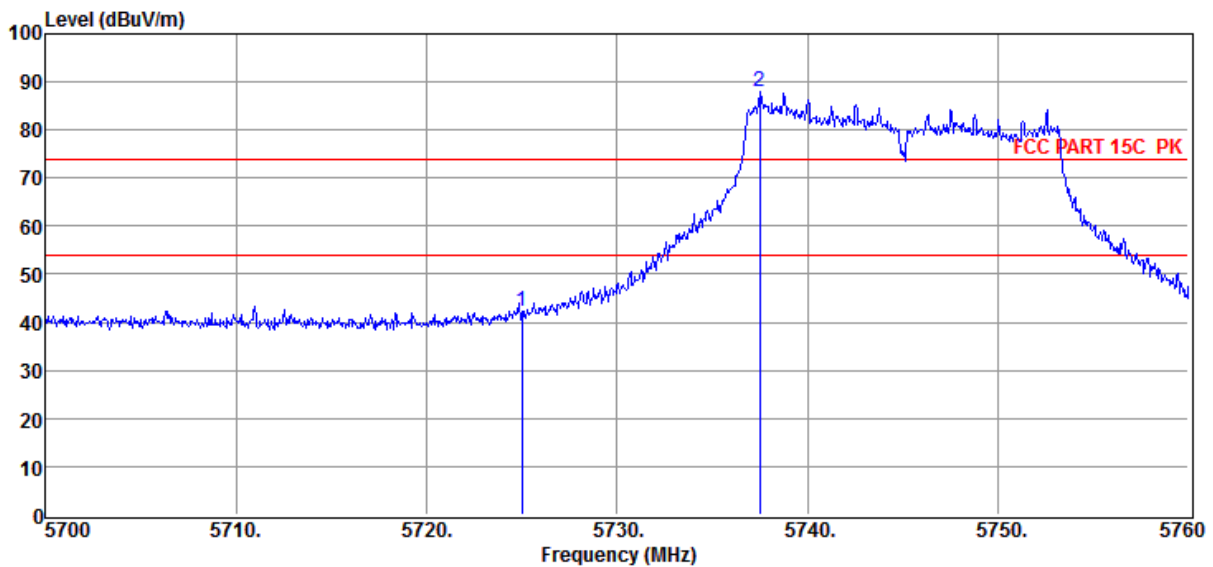
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5725.00	34.14	35.66	29.13	8.65	49.32	74.00	-24.68	Peak	HORIZONTAL
2	5738.76	81.44	35.69	29.14	8.69	96.68	74.00	22.68	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-04	Tested By : Leo
EUT	: Wireless Access Point	Model Number : WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode : 11a Tx mode 5745MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo	:	

Data: 4



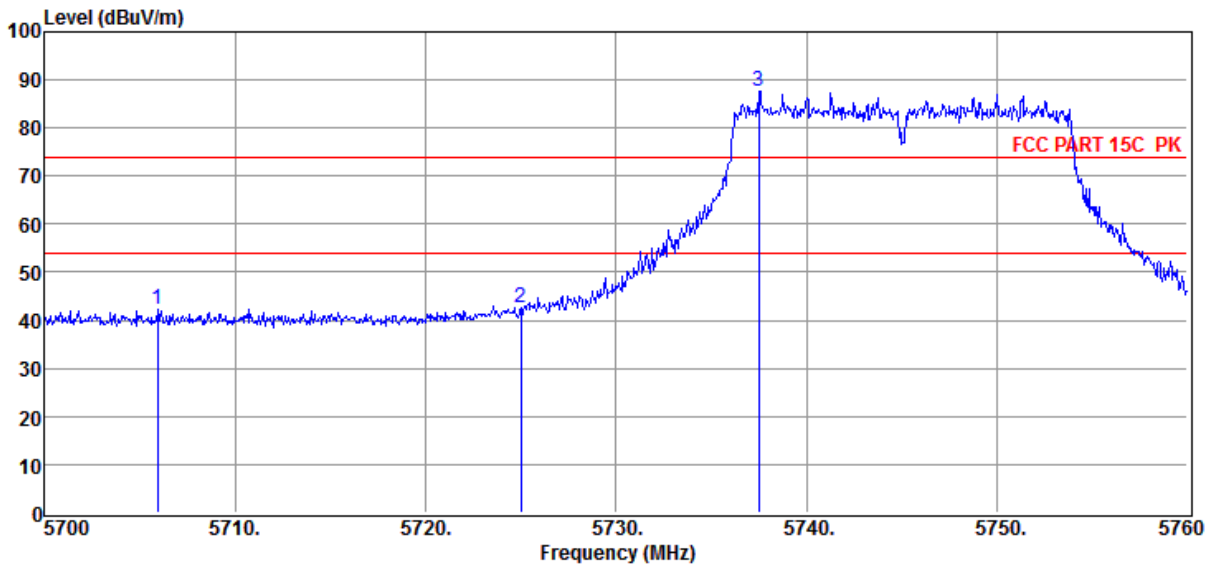
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5725.00	27.22	35.66	29.13	8.65	42.40	74.00	-31.60	Peak	VERTICAL
2	5737.50	72.84	35.69	29.14	8.69	88.08	74.00	14.08	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber **E:** \2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5745MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/VERTICAL
Memo :

Data: 13



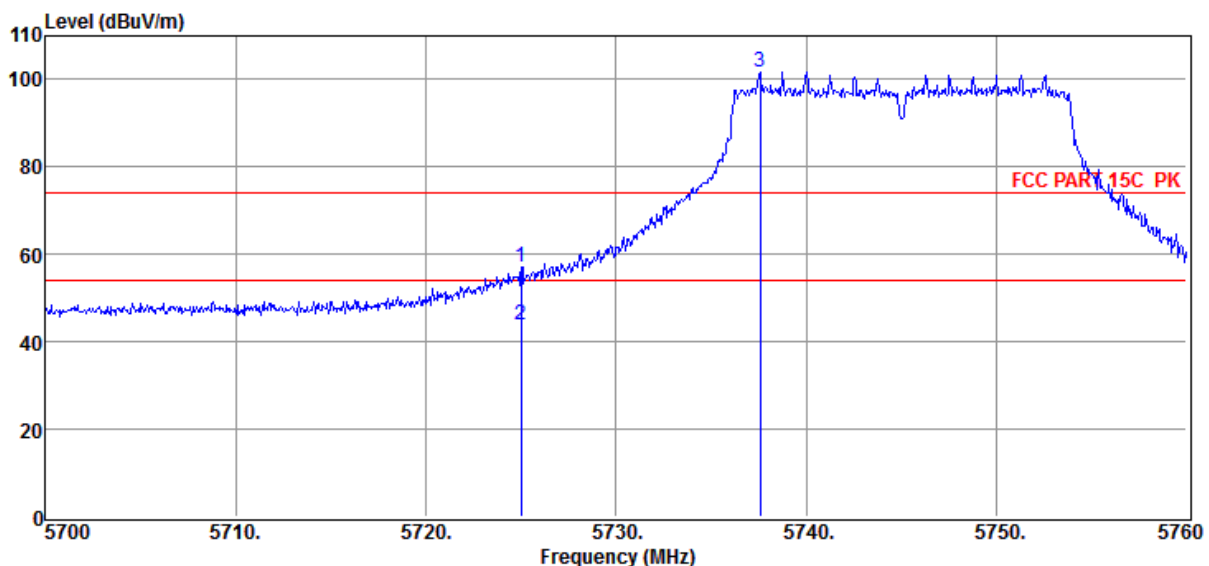
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5705.94	27.20	35.63	29.13	8.65	42.35	74.00	-31.65	Peak	VERTICAL
2	5725.00	27.46	35.66	29.13	8.65	42.64	74.00	-31.36	Peak	VERTICAL
3	5737.50	72.29	35.69	29.14	8.69	87.53	74.00	13.53	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11n HT20 Tx mode 5745MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 14



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5725.00	37.09	35.66	29.13	13.60	57.22	74.00	-16.78	Peak	HORIZONTAL
2	5725.03	23.59	35.66	29.13	13.60	43.72	54.00	-10.28	Average	HORIZONTAL
3	5737.56	81.51	35.69	29.14	13.60	101.66	74.00	27.66	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

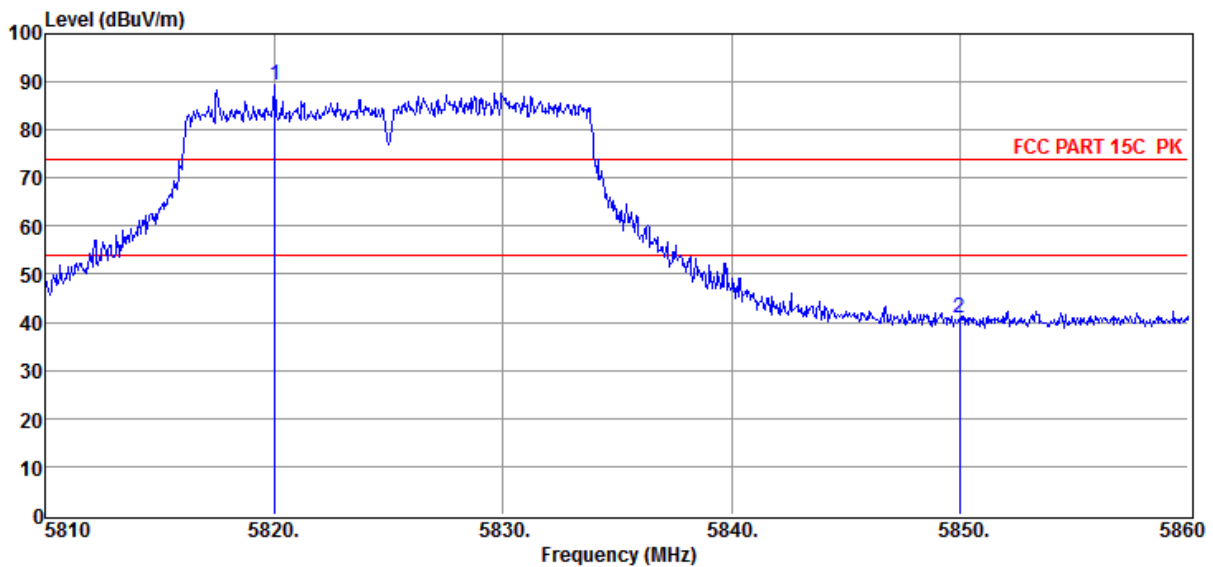
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11n HT20 Tx mode 5825MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 15



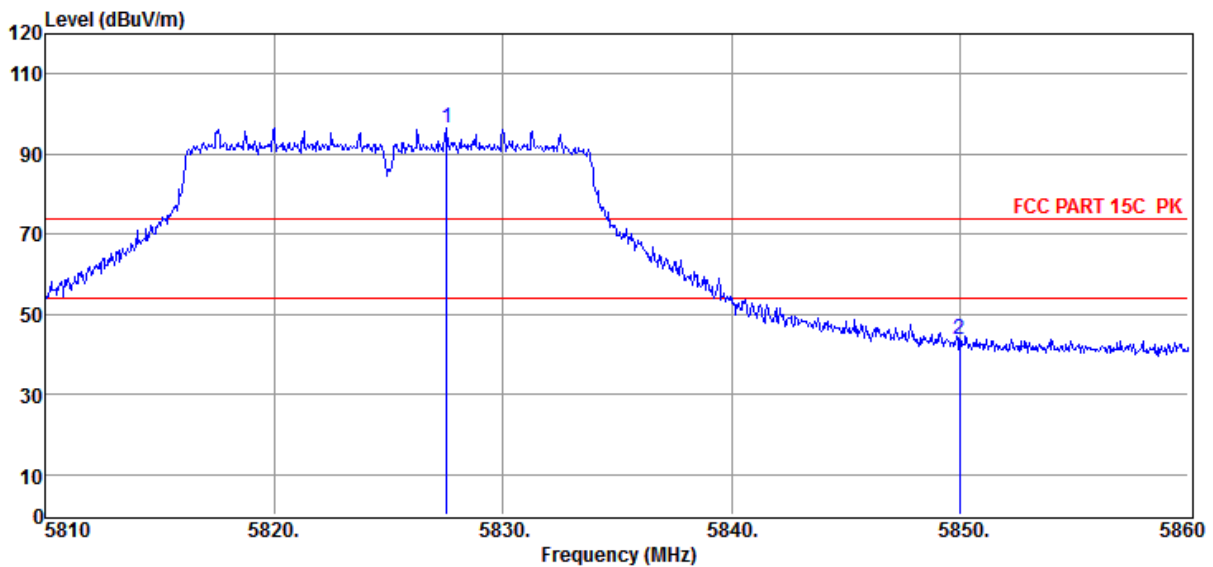
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5820.05	74.03	35.82	29.16	8.77	89.46	74.00	15.46	Peak	VERTICAL
2	5850.00	25.54	35.85	29.16	8.77	41.00	74.00	-33.00	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11n HT20 Tx mode 5825MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 16



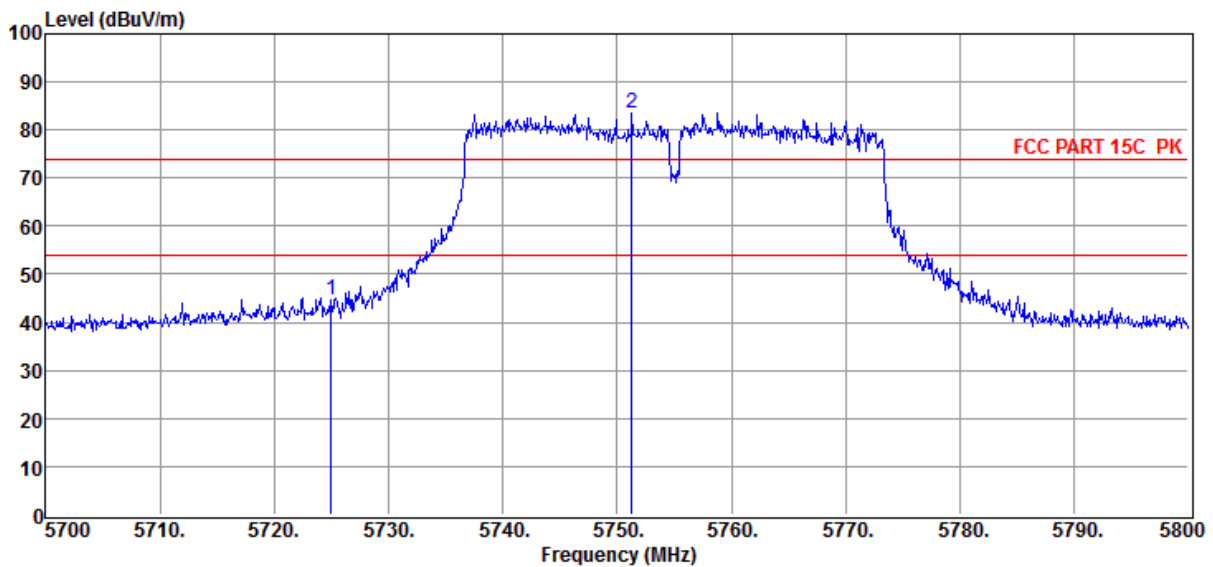
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5827.55	80.97	35.82	29.16	8.77	96.40	74.00	22.40	Peak	HORIZONTAL
2	5850.00	28.10	35.85	29.16	8.77	43.56	74.00	-30.44	Peak	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-04	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11n HT40 Tx mode 5755MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 23



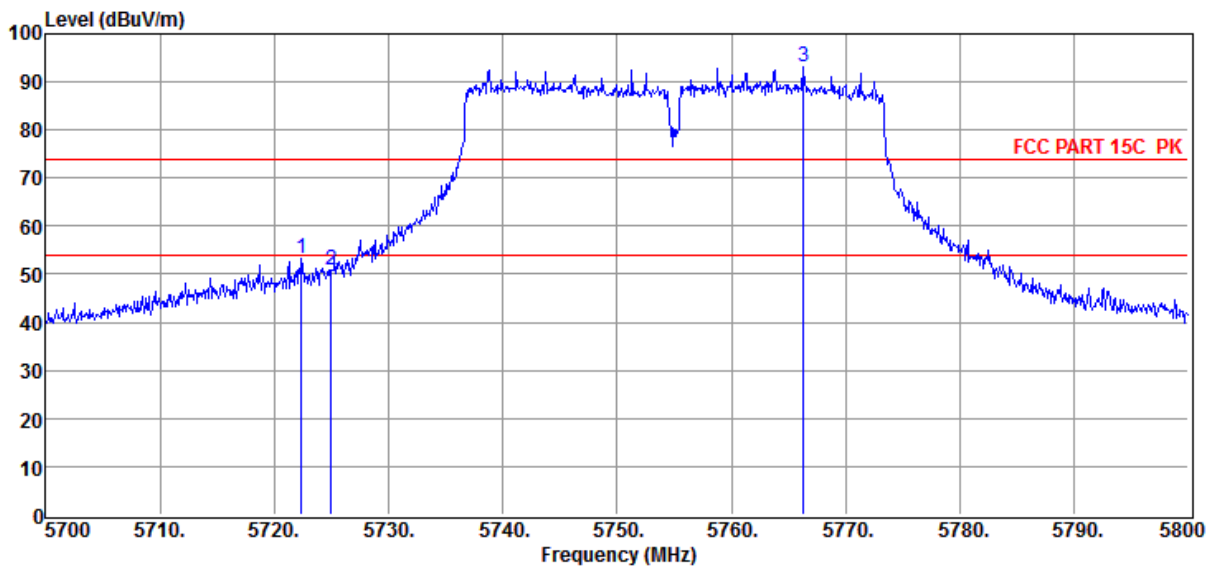
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5725.00	29.44	35.66	29.13	8.65	44.62	74.00	-29.38	Peak	VERTICAL
2	5751.30	68.21	35.69	29.14	8.69	83.45	74.00	9.45	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-04	Tested By : Leo
EUT	: Wireless Access Point	Model Number : WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode : 11n HT40 Tx mode 5755MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo	:	

Data: 24



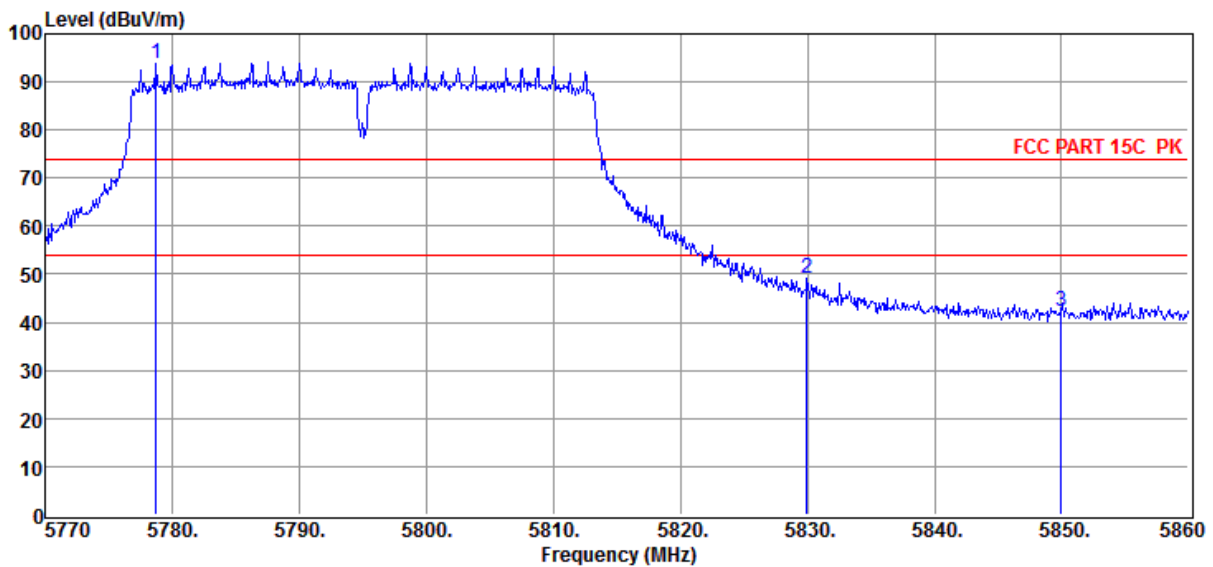
Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector	Polarization
1	5722.40	37.95	35.66	29.13	8.65	53.13	74.00	-20.87	Peak	HORIZONTAL
2	5725.00	35.64	35.66	29.13	8.65	50.82	74.00	-23.18	Peak	HORIZONTAL
3	5766.30	77.92	35.71	29.14	8.69	93.18	74.00	19.18	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11n HT40 Tx mode 5795MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 25



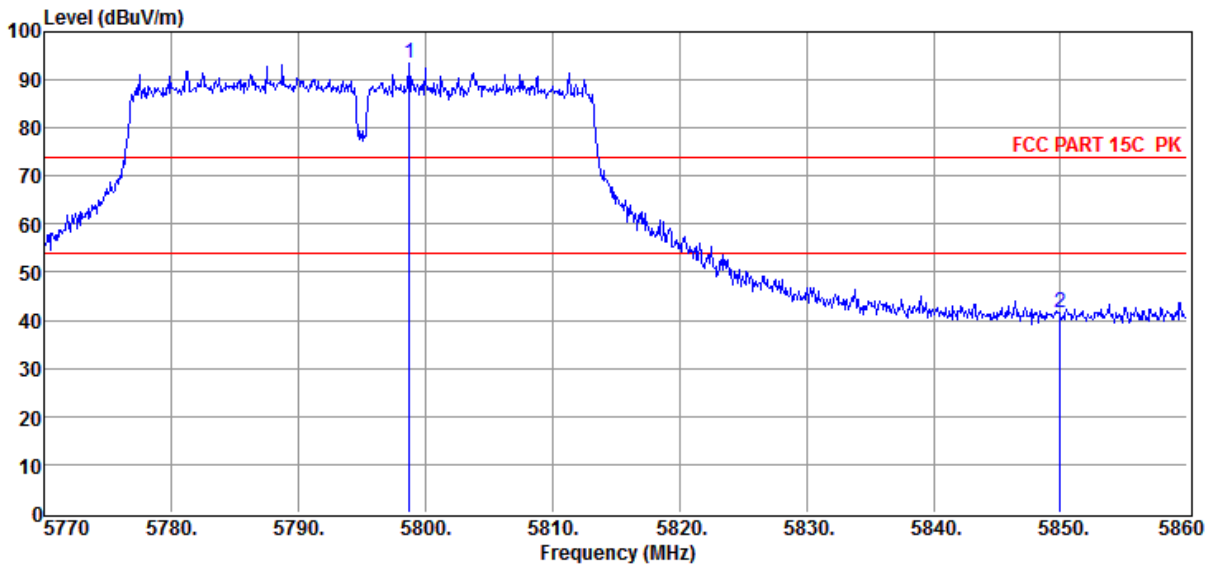
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5778.73	78.38	35.74	29.15	8.73	93.70	74.00	19.70	Peak	HORIZONTAL
2	5829.94	33.58	35.82	29.16	8.77	49.01	74.00	-24.99	Peak	HORIZONTAL
3	5850.01	26.72	35.85	29.16	8.77	42.18	74.00	-31.82	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11n HT40 Tx mode 5795MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 26



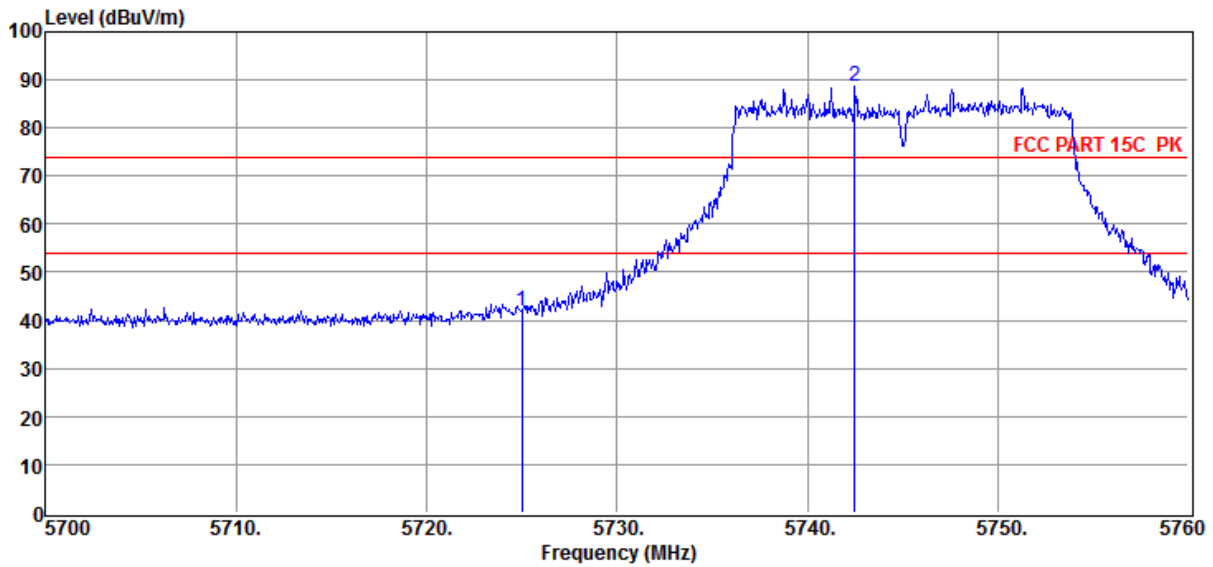
Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector	Polarization
1	5798.71	77.97	35.77	29.15	8.73	93.32	74.00	19.32	Peak	VERTICAL
2	5850.01	26.25	35.85	29.16	8.77	41.71	74.00	-32.29	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5745MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 31



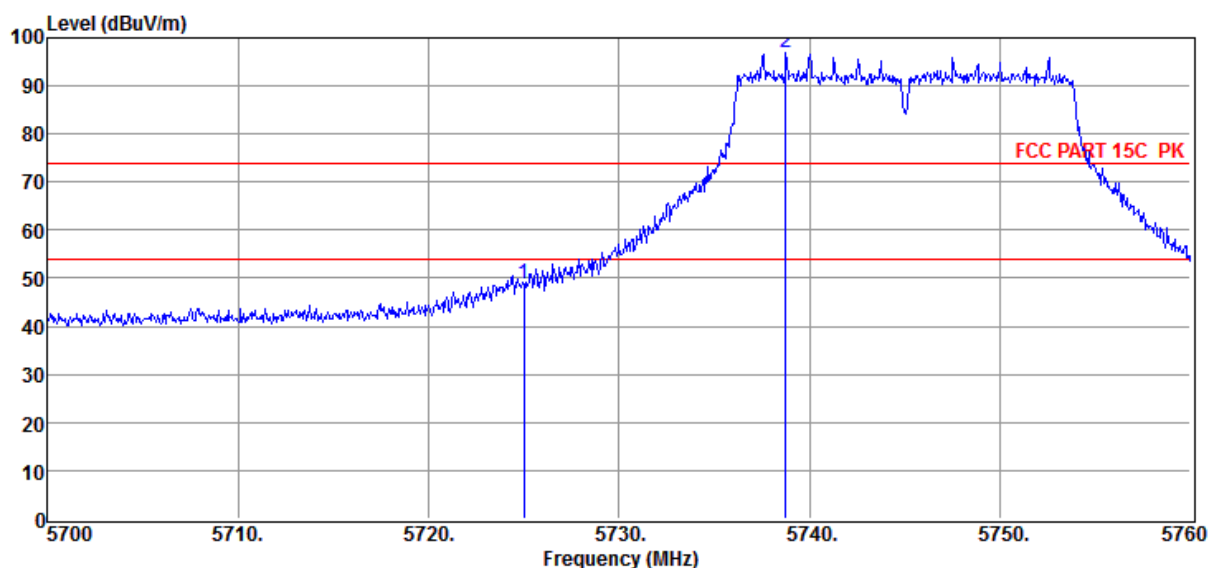
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5725.02	26.86	35.66	29.13	8.65	42.04	74.00	-31.96	Peak	VERTICAL
2	5742.48	73.31	35.69	29.14	8.69	88.55	74.00	14.55	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber **E:** \2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT20 Tx mode 5745MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 32



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5725.02	33.69	35.66	29.13	8.65	48.87	74.00	-25.13	Peak	HORIZONTAL
2	5738.76	81.59	35.69	29.14	8.69	96.83	74.00	22.83	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

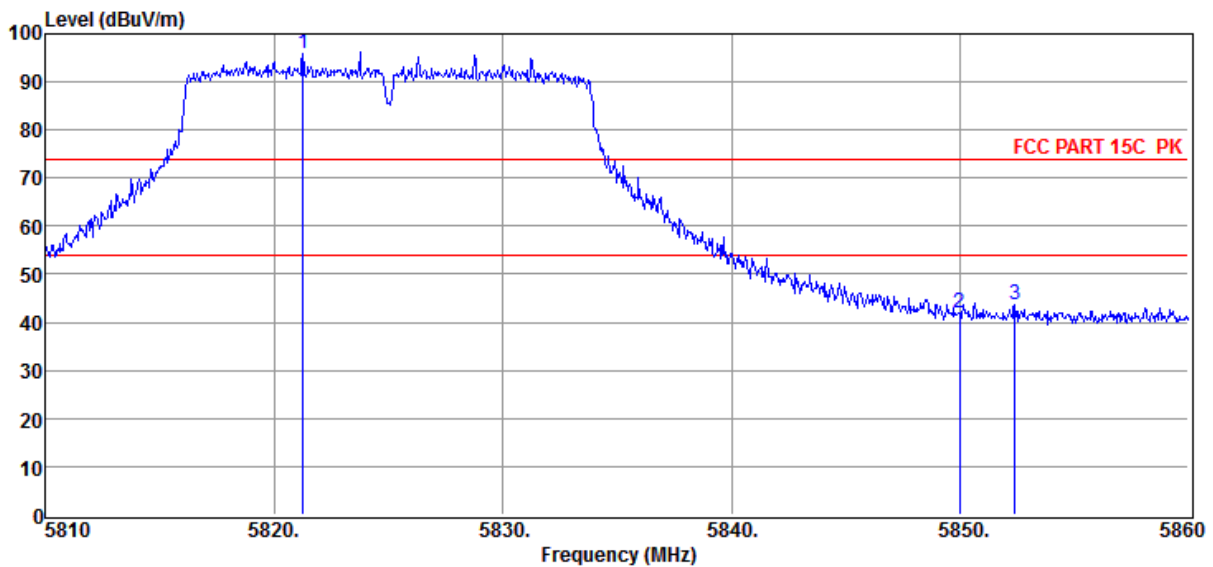
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5825MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 37



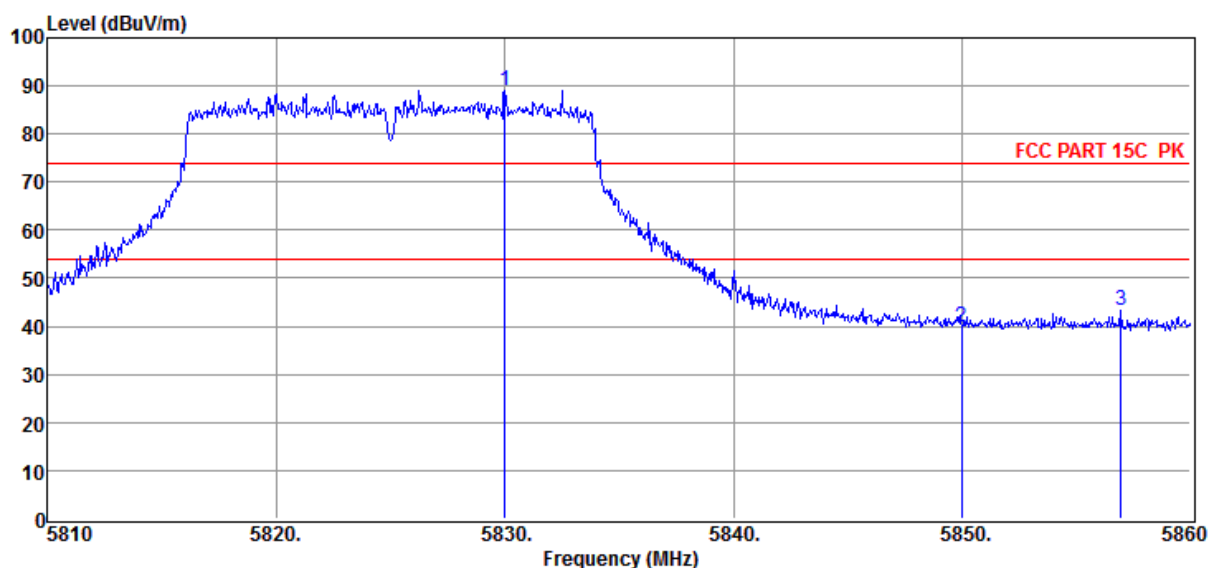
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5821.25	80.34	35.82	29.16	8.77	95.77	74.00	21.77	Peak	HORIZONTAL
2	5850.00	26.42	35.85	29.16	8.77	41.88	74.00	-32.12	Peak	HORIZONTAL
3	5852.40	28.08	35.85	29.17	8.81	43.57	74.00	-30.43	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT20 Tx mode 5825MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 38



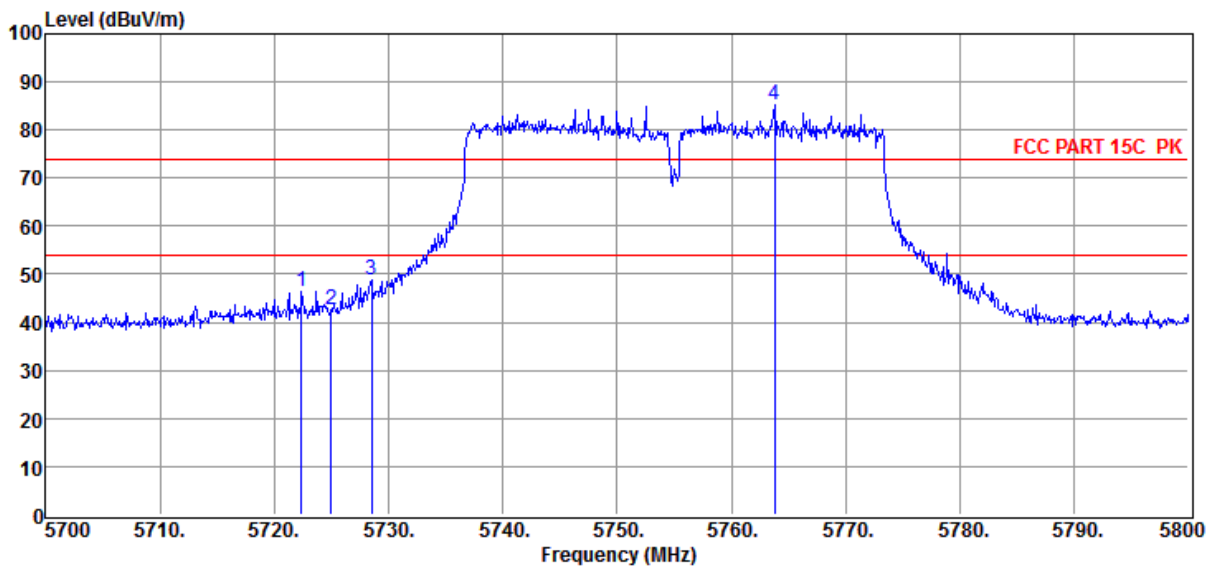
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5830.00	73.66	35.82	29.16	8.77	89.09	74.00	15.09	Peak	VERTICAL
2	5850.00	24.44	35.85	29.16	8.77	39.90	74.00	-34.10	Peak	VERTICAL
3	5856.95	27.84	35.88	29.17	8.81	43.36	74.00	-30.64	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date	: 2015-02-05	Tested By : Leo
EUT	: Wireless Access Point	Model Number : WL8200-I2
Power Supply	: DC 12V from adapter	Test Mode : 11ac HT40 Tx mode 5755MHz
Condition	: Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo	:	

Data: 39



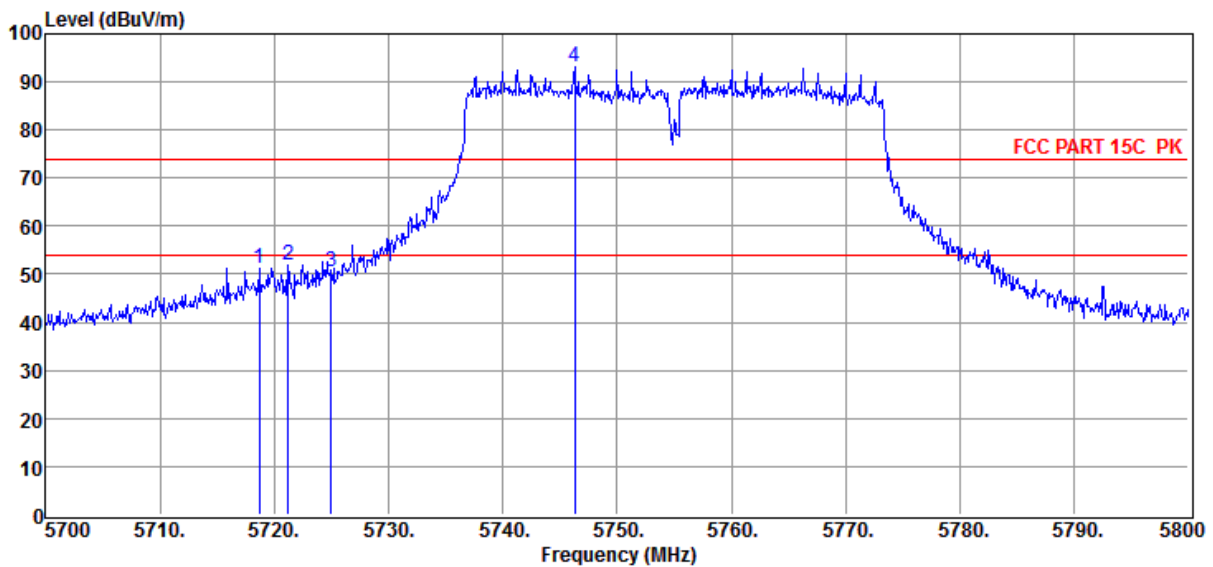
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5722.40	31.36	35.66	29.13	8.65	46.54	74.00	-27.46	Peak	VERTICAL
2	5725.00	27.35	35.66	29.13	8.65	42.53	74.00	-31.47	Peak	VERTICAL
3	5728.50	33.53	35.66	29.13	8.65	48.71	74.00	-25.29	Peak	VERTICAL
4	5763.80	69.89	35.71	29.14	8.69	85.15	74.00	11.15	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT40 Tx mode 5755MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/HORIZONTAL
Memo :	

Data: 40



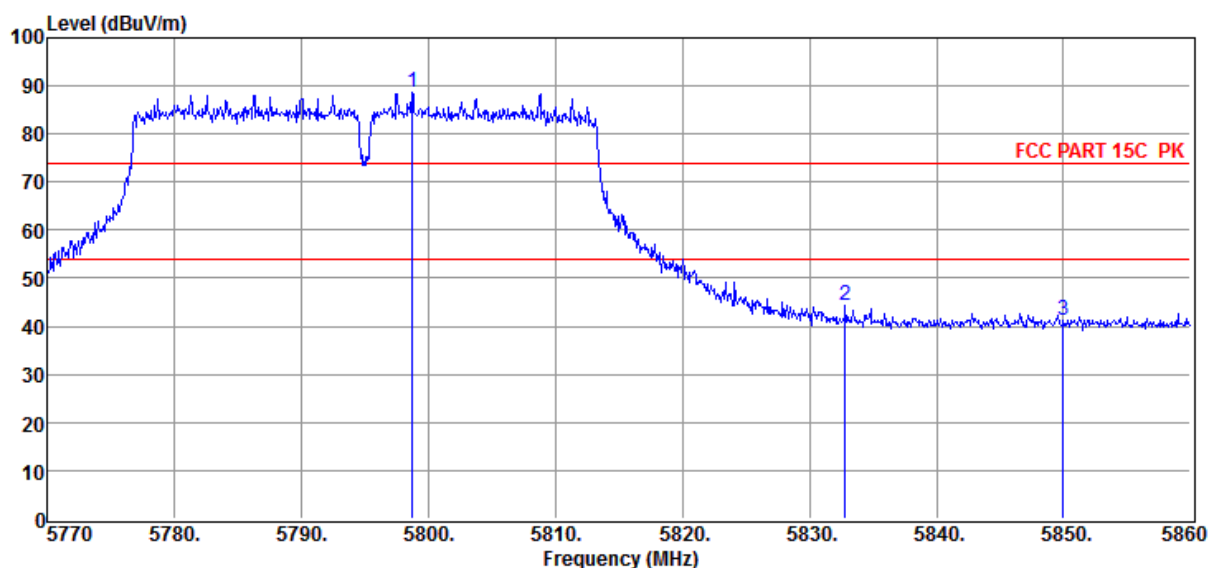
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5718.70	36.11	35.66	29.13	8.65	51.29	74.00	-22.71	Peak	HORIZONTAL
2	5721.20	36.58	35.66	29.13	8.65	51.76	74.00	-22.24	Peak	HORIZONTAL
3	5725.00	35.36	35.66	29.13	8.65	50.54	74.00	-23.46	Peak	HORIZONTAL
4	5746.30	77.73	35.69	29.14	8.69	92.97	74.00	18.97	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT40 Tx mode 5795MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 45



Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector	Polarization
1	5798.71	73.30	35.77	29.15	8.73	88.65	74.00	14.65	Peak	HORIZONTAL
2	5832.82	28.96	35.82	29.16	8.77	44.39	74.00	-29.61	Peak	HORIZONTAL
3	5850.01	25.65	35.85	29.16	8.77	41.11	74.00	-32.89	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

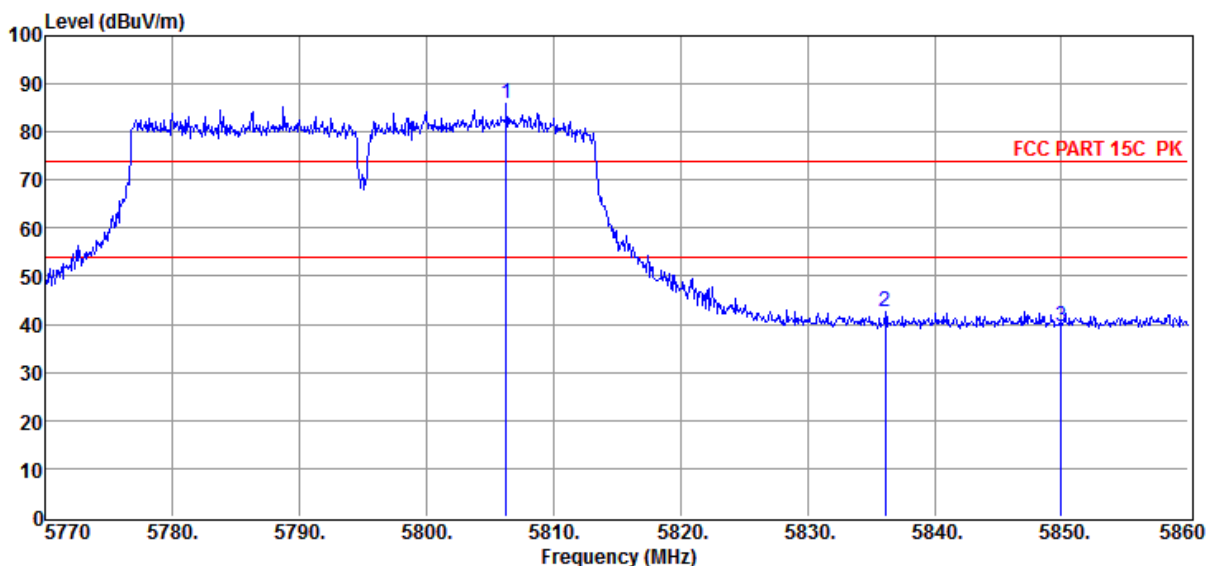
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT40 Tx mode 5795MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 46



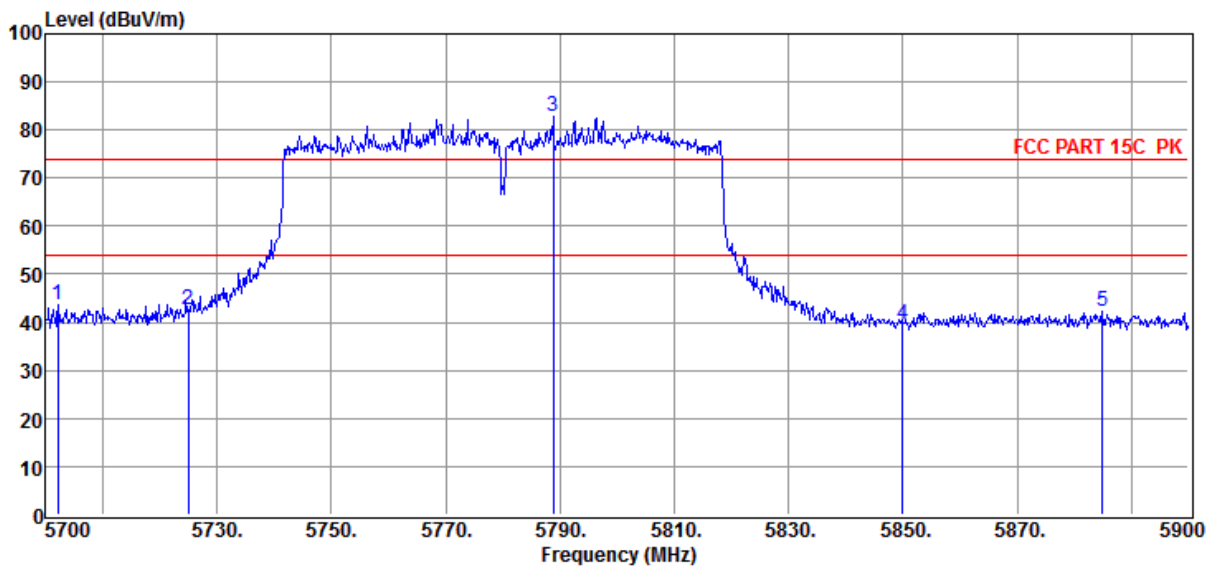
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5806.27	70.39	35.80	29.15	8.73	85.77	74.00	11.77	Peak	VERTICAL
2	5836.15	27.29	35.82	29.16	8.77	42.72	74.00	-31.28	Peak	VERTICAL
3	5850.01	23.92	35.85	29.16	8.77	39.38	74.00	-34.62	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber	E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05	Tested By : Leo
EUT : Wireless Access Point	Model Number : WL8200-I2
Power Supply : DC 12V from adapter	Test Mode : 11ac HT80 Tx mode 5775MHz
Condition : Temp:24.5'C,Humi:55%, Press:100.1kPa	Antenna/Distance : 2014 HF907/3m/VERTICAL
Memo :	

Data: 47



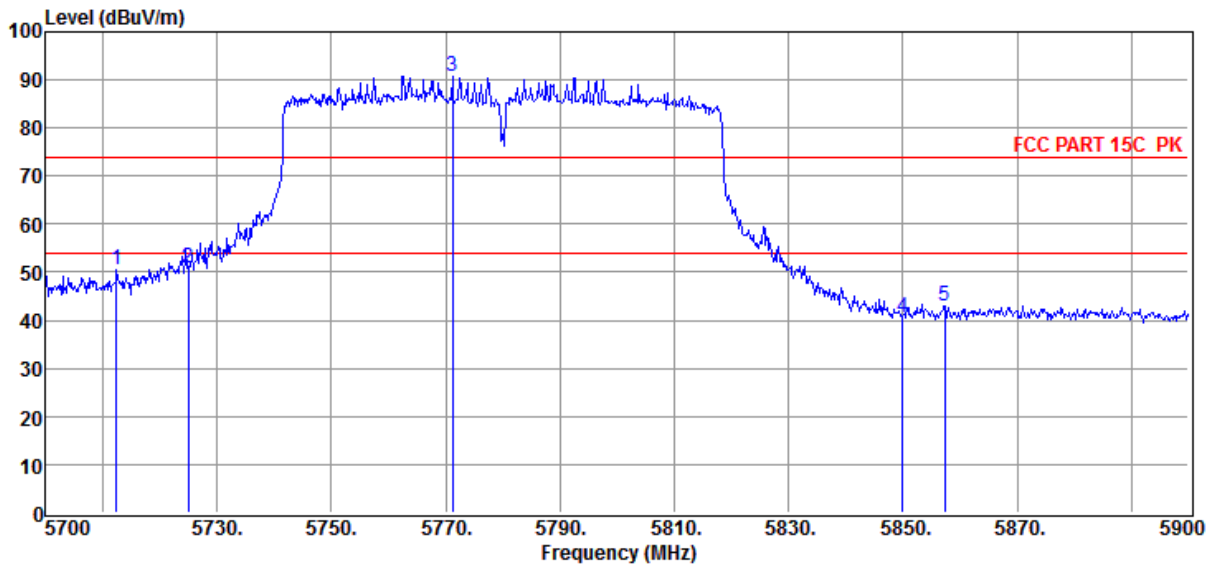
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5702.20	28.45	35.63	29.13	8.65	43.60	74.00	-30.40	Peak	VERTICAL
2	5725.00	27.54	35.66	29.13	8.65	42.72	74.00	-31.28	Peak	VERTICAL
3	5788.80	67.63	35.77	29.15	8.73	82.98	74.00	8.98	Peak	VERTICAL
4	5850.00	24.13	35.85	29.16	8.77	39.59	74.00	-34.41	Peak	VERTICAL
5	5885.00	26.86	35.91	29.17	8.81	42.41	74.00	-31.59	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber E:\2014 Report Data\QW140272\RF-5G.EM6
Test Date : 2015-02-05 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12V from adapter **Test Mode** : 11ac HT80 Tx mode 5775MHz
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **Antenna/Distance** : 2014 HF907/3m/HORIZONTAL
Memo :

Data: 48



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5712.40	35.37	35.63	29.13	8.65	50.52	74.00	-23.48	Peak	HORIZONTAL
2	5725.00	35.64	35.66	29.13	8.65	50.82	74.00	-23.18	Peak	HORIZONTAL
3	5771.20	75.54	35.74	29.14	8.69	90.83	74.00	16.83	Peak	HORIZONTAL
4	5850.00	25.17	35.85	29.16	8.77	40.63	74.00	-33.37	Peak	HORIZONTAL
5	5857.40	27.38	35.88	29.17	8.81	42.90	74.00	-31.10	Peak	HORIZONTAL

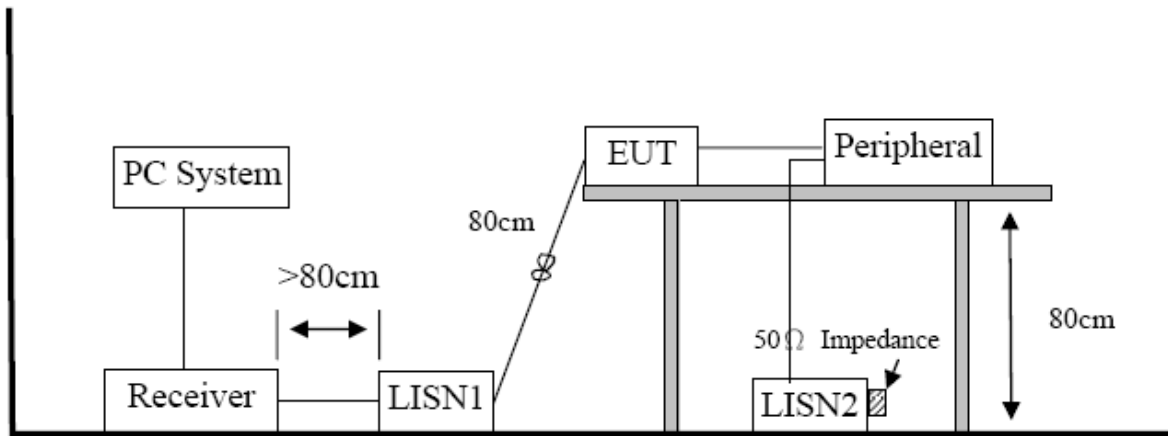
- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

9. Power Line Conducted Emission

9.1. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	R&S	ESU8	100316	2014/10/25	1 Year
2	LISN 1	R&S	ENV216	101109	2014/10/25	1 Year
3	LISN 2	R&S	ESH2-Z5	100309	2014/10/25	1 Year
4	Pulse Limiter	R&S	ESH3-Z2	101242	2014/10/25	1 Year

9.2. Block diagram of test setup



9.3. Power Line Conducted Emission Limits(Class B)

Frequency	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

9.4. Test Procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.3 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.3 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 KHz.

9.5. Test Result

PASS. (See below detailed test result)

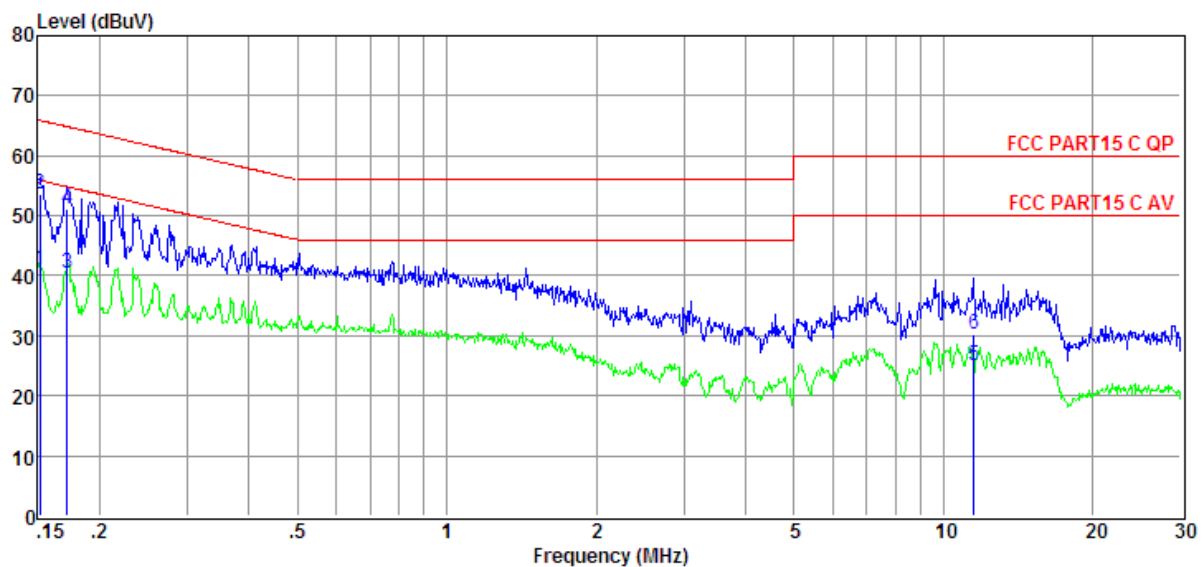
Note1: All emissions not reported below are too low against the prescribed limits.

Note2: “----” means peak detection; “-----” mans average detection

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room E:\2014 report data\QW140272\CE2.EM6
Test Date : 2015-1-24 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12 V from adapter **Test Mode** : Tx mode
Condition : Temp:24.5'C,Humi:55%,
LISN : 2013 ENV216/LINE
Press:100.1kPa
Memo :

Data: 6



Item	Freq	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	21.64	9.61	0.01	9.84	41.10	55.91	-14.81	Average	LINE
2	0.15	34.18	9.61	0.01	9.84	53.64	65.91	-12.27	QP	LINE
3	0.17	20.98	9.61	0.01	9.84	40.44	54.86	-14.42	Average	LINE
4	0.17	31.78	9.61	0.01	9.84	51.24	64.86	-13.62	QP	LINE
5	11.50	5.33	9.75	0.14	9.90	25.12	50.00	-24.88	Average	LINE
6	11.50	10.49	9.75	0.14	9.90	30.28	60.00	-29.72	QP	LINE

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

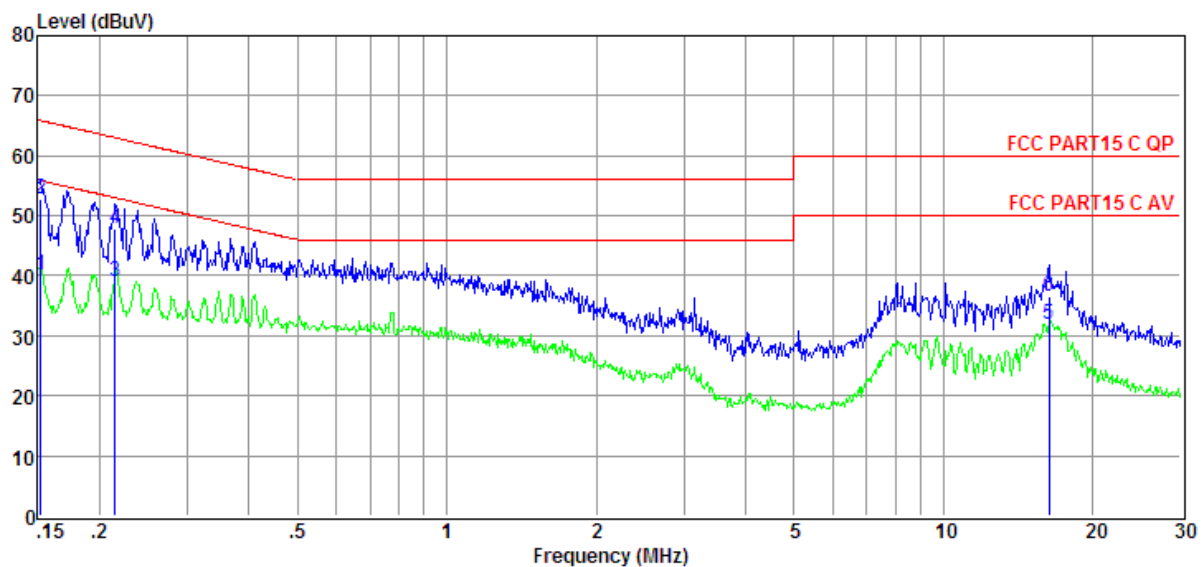
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz), Step size: 4 kHz, Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room E:\2014 report data\QW140272\CE2.EM6
Test Date : 2015-1-24 **Tested By** : Leo
EUT : Wireless Access Point **Model Number** : WL8200-I2
Power Supply : DC 12 V from adapter **Test Mode** : Tx mode
Condition : Temp:24.5'C,Humi:55%,
 Press:100.1kPa **LISN** : 2013 ENV216/NEUTRAL
Memo :

Data: 8



Item	Freq	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	20.69	9.60	0.01	9.84	40.14	55.87	-15.73	Average	NEUTRAL
2	0.15	33.42	9.60	0.01	9.84	52.87	65.87	-13.00	QP	NEUTRAL
3	0.22	19.54	9.59	0.02	9.85	39.00	53.01	-14.01	Average	NEUTRAL
4	0.22	28.27	9.59	0.02	9.85	47.73	63.01	-15.28	QP	NEUTRAL
5	16.31	11.77	9.99	0.15	9.92	31.83	50.00	-18.17	Average	NEUTRAL
6	16.31	16.37	9.99	0.15	9.92	36.43	60.00	-23.57	QP	NEUTRAL

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz), Step size: 4 kHz, Scan time: auto.

10. Antenna Requirements

10.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

10.2. Result

The antennas used for this product are integrated Patch antenna MIMO 2x2, with U.FL compatible Plug termination, and assembled inside of EUT, no other than antenna that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 5dBi.

END OF REPORT