

Channel 157(5785MHz)



Channel 165 (5825MHz)



Ant 1
 Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157(5785MHz)



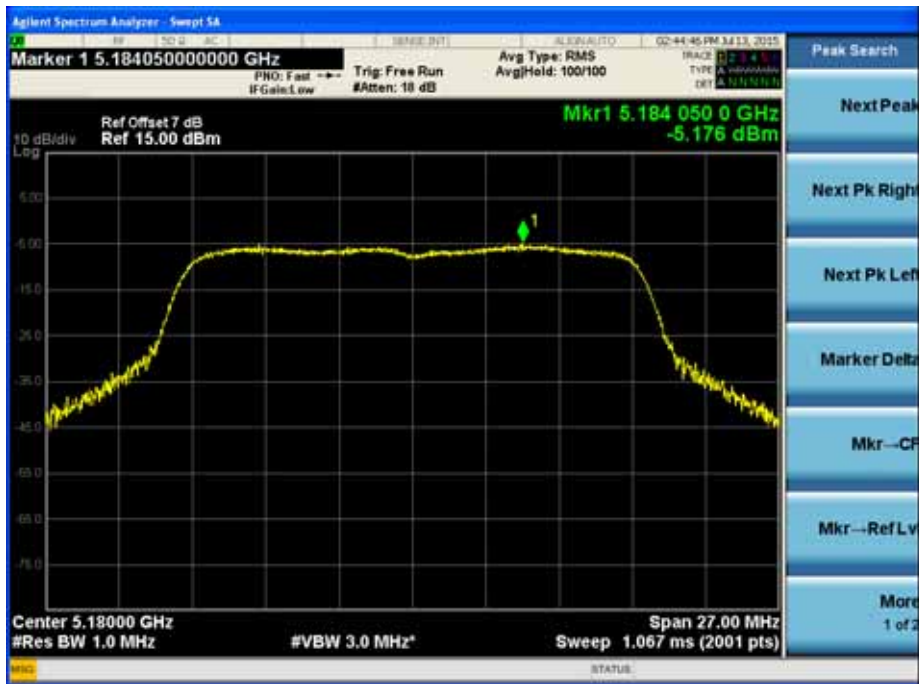
Channel 165 (5825MHz)



Product	:	5GHz 300Mbps Outdoor Wireless Base Station
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a(20MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSP (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/MHz)	Result
		Ant0	Ant1					
36	5180	-5.176	-4.192	100	-1.646	19.0	4	Pass
40	5200	-8.859	-6.890	100	-4.754	19.0	4	Pass
48	5240	-12.577	-11.553	100	-9.025	19.0	4	Pass
Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSP (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/500kHz)	Result
		Ant0	Ant1					
149	5745	-4.626	-4.692	100	-1.649	19.0	17	Pass
157	5785	-5.931	-5.645	100	-2.775	19.0	17	Pass
165	5825	-6.826	-7.066	100	-3.934	19.0	17	Pass

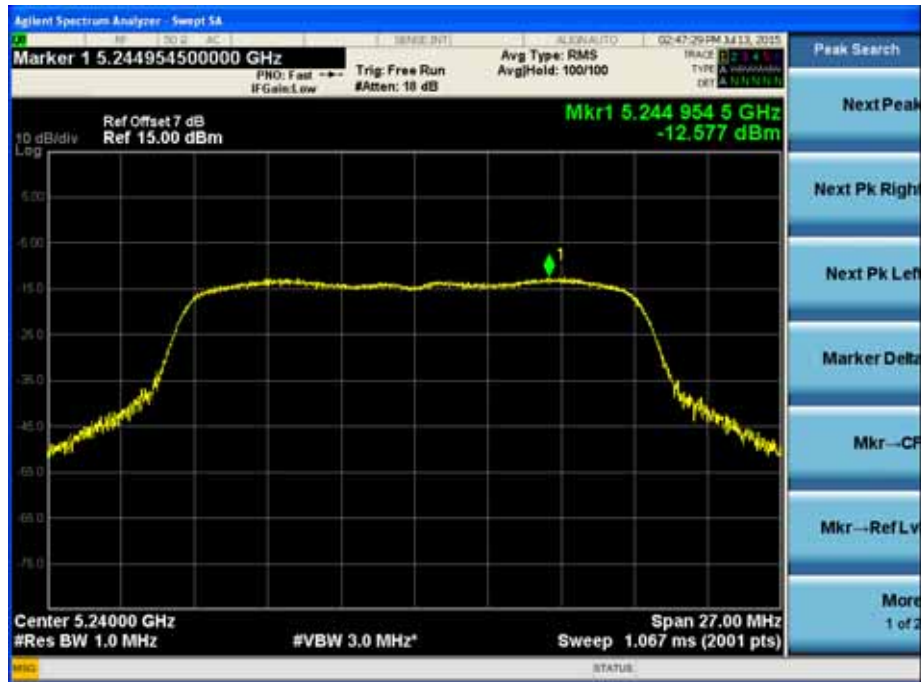
Ant 0
 Channel 36 (5180MHz)



Channel 44 (5220MHz)



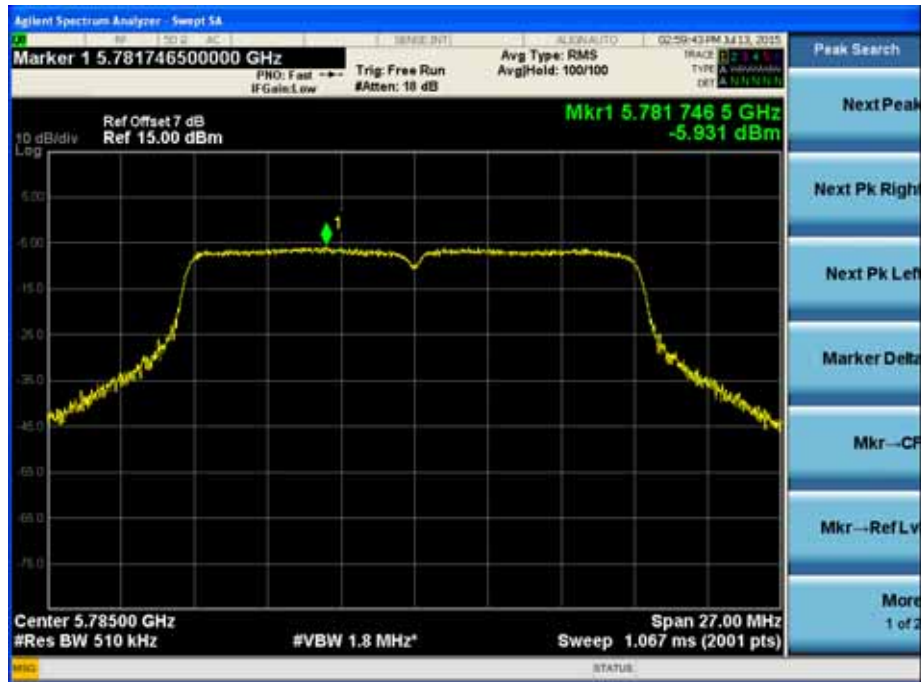
Channel 48 (5240MHz)



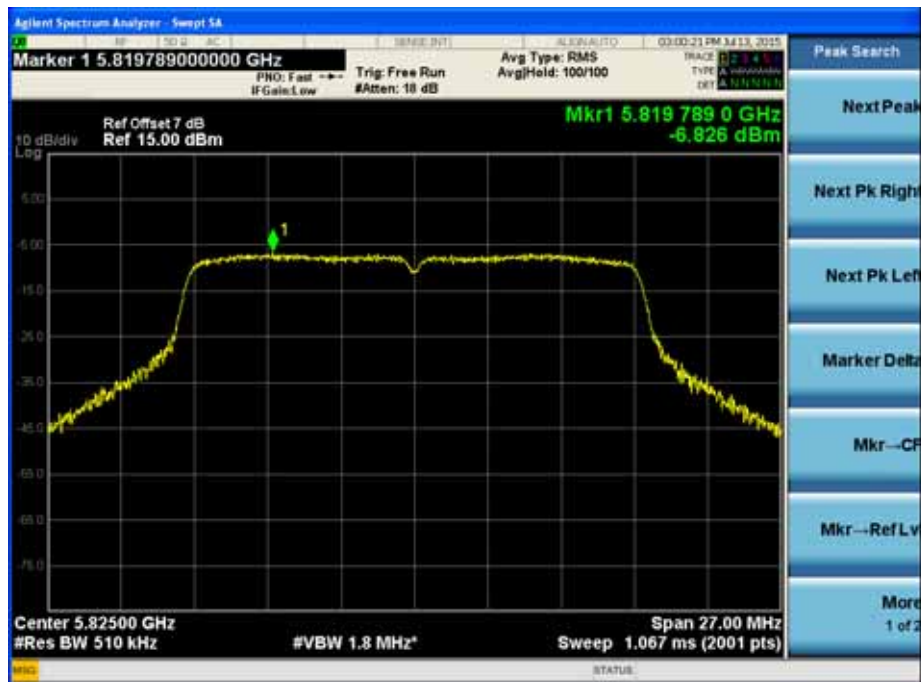
Channel 149 (5745MHz)



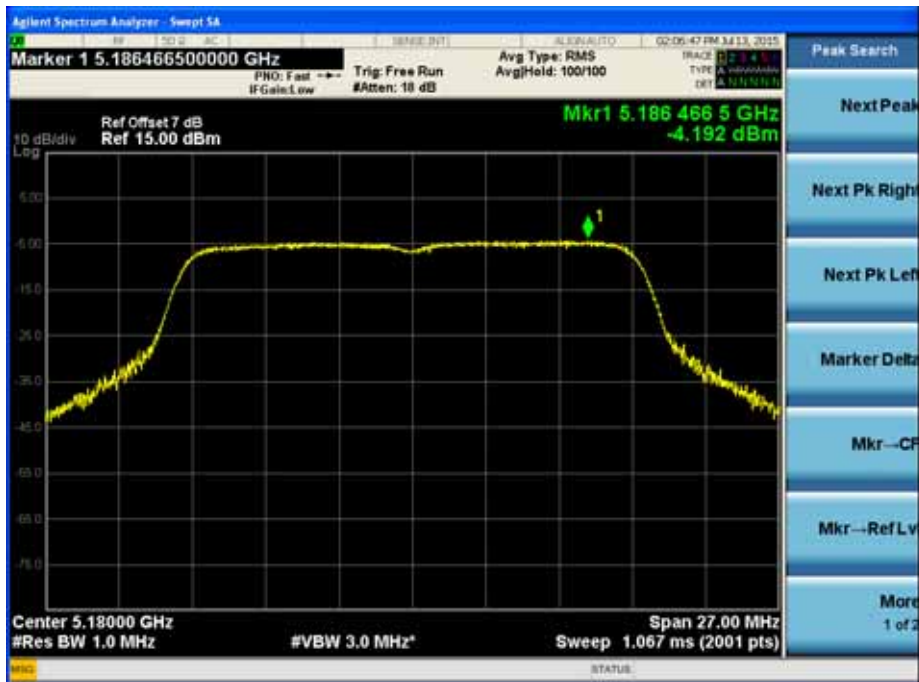
Channel 157(5785MHz)



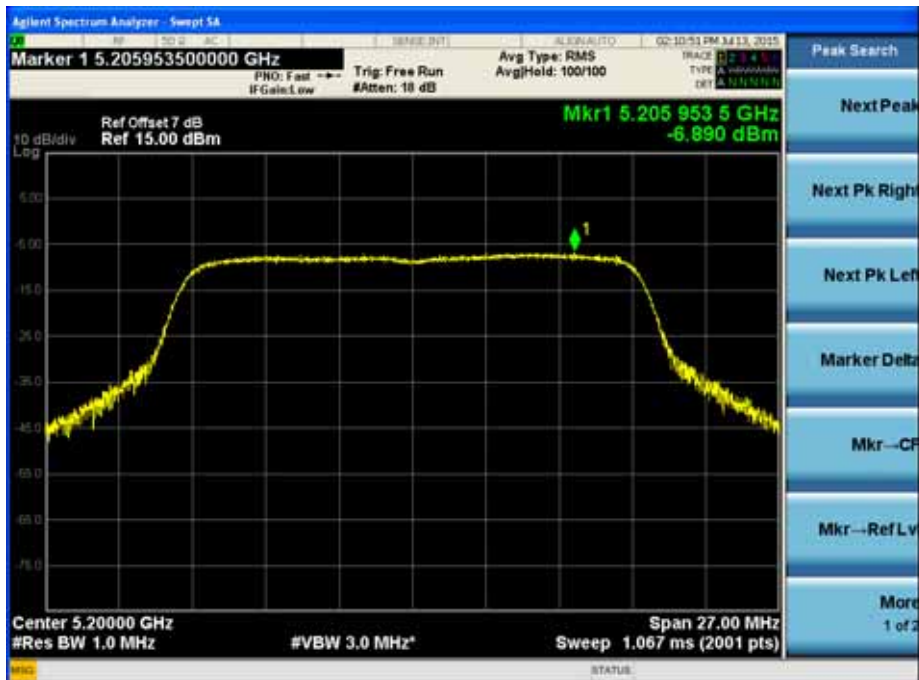
Channel 165 (5825MHz)



Ant 1
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157(5785MHz)



Channel 165 (5825MHz)



Product	:	5GHz 300Mbps Outdoor Wireless Base Station
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n(20MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSPD (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/MHz)	Result
		Ant0	Ant1					
36	5180	-5.868	-4.086	100	-1.876	19.0	4	Pass
40	5200	-4.931	-3.103	100	-0.911	19.0	4	Pass
48	5240	-3.098	-2.836	100	0.045	19.0	4	Pass
Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSPD (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/500kHz)	Result
		Ant0	Ant1					
149	5745	-5.387	-5.535	100	-2.450	19.0	17	Pass
157	5785	-6.751	-6.037	100	-3.369	19.0	17	Pass
165	5825	-7.190	-7.916	100	-4.528	19.0	17	Pass

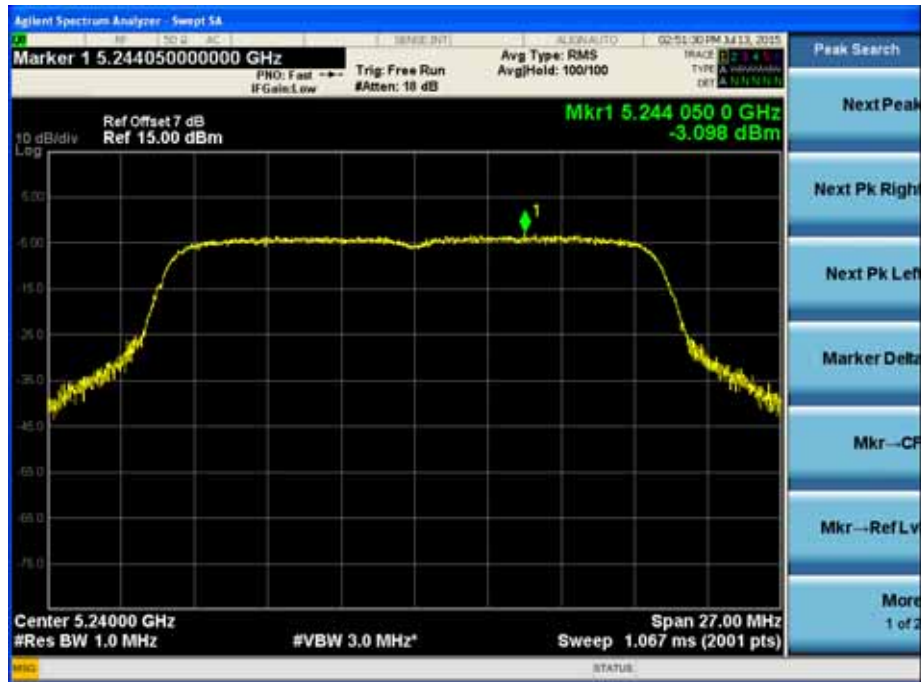
Ant 0
 Channel 36 (5180MHz)



Channel 44 (5220MHz)



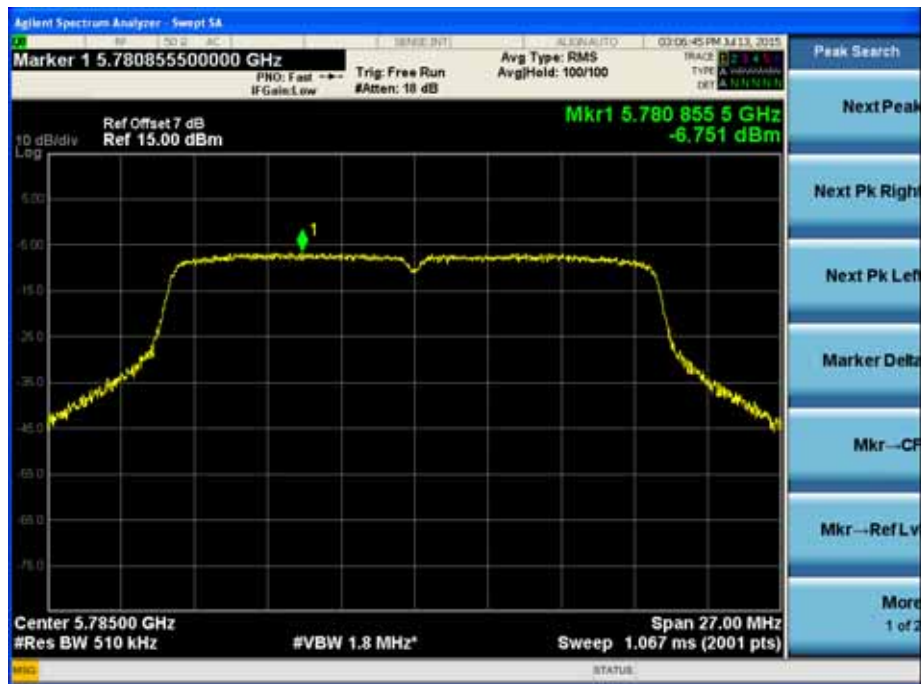
Channel 48 (5240MHz)



Channel 149 (5745MHz)



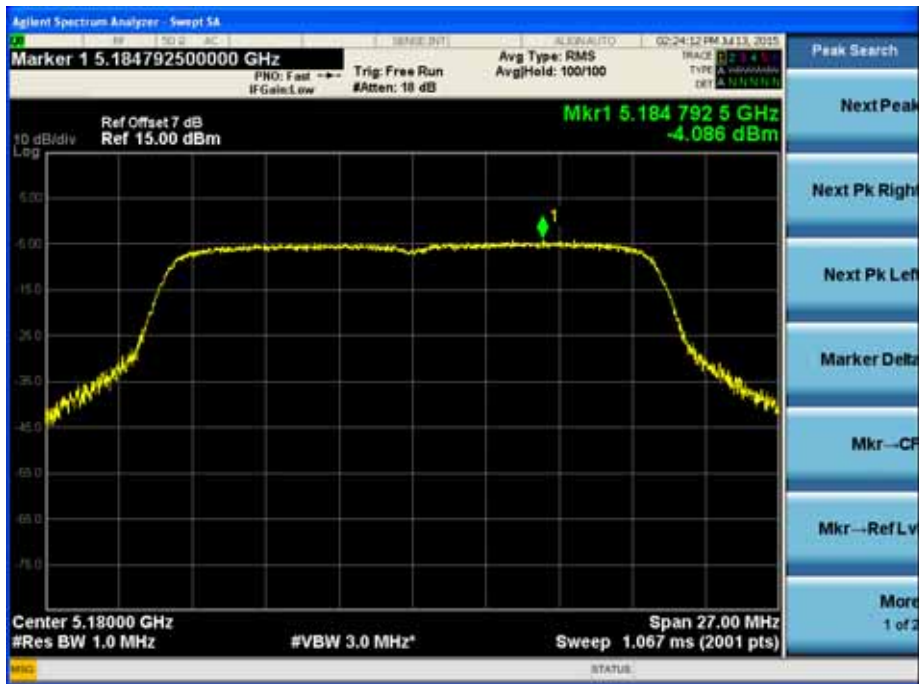
Channel 157(5785MHz)



Channel 165 (5825MHz)



Ant 1
 Channel 36 (5180MHz)



Channel 44 (5220MHz)



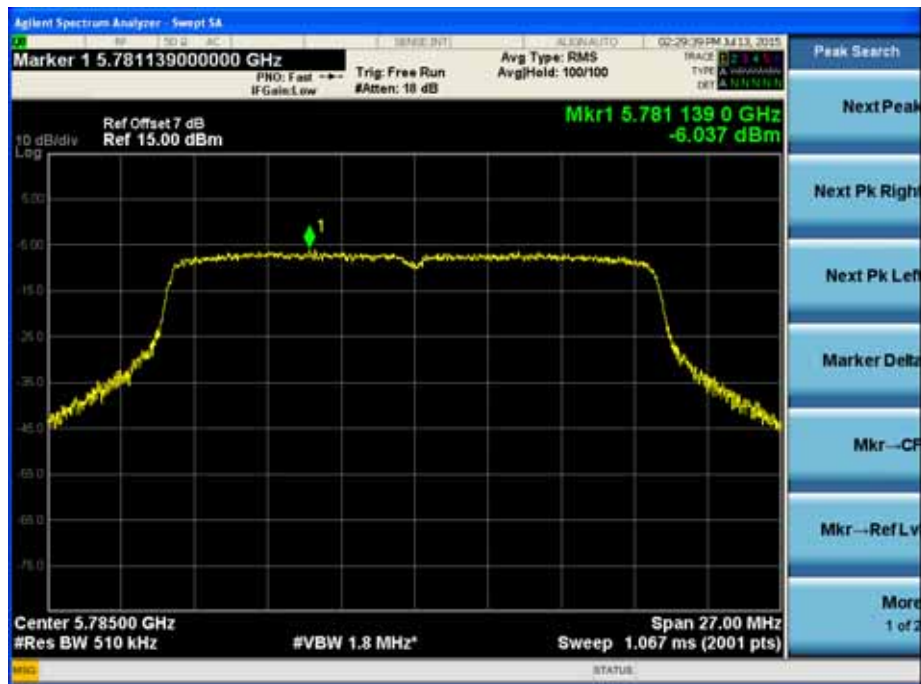
Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157(5785MHz)



Channel 165 (5825MHz)



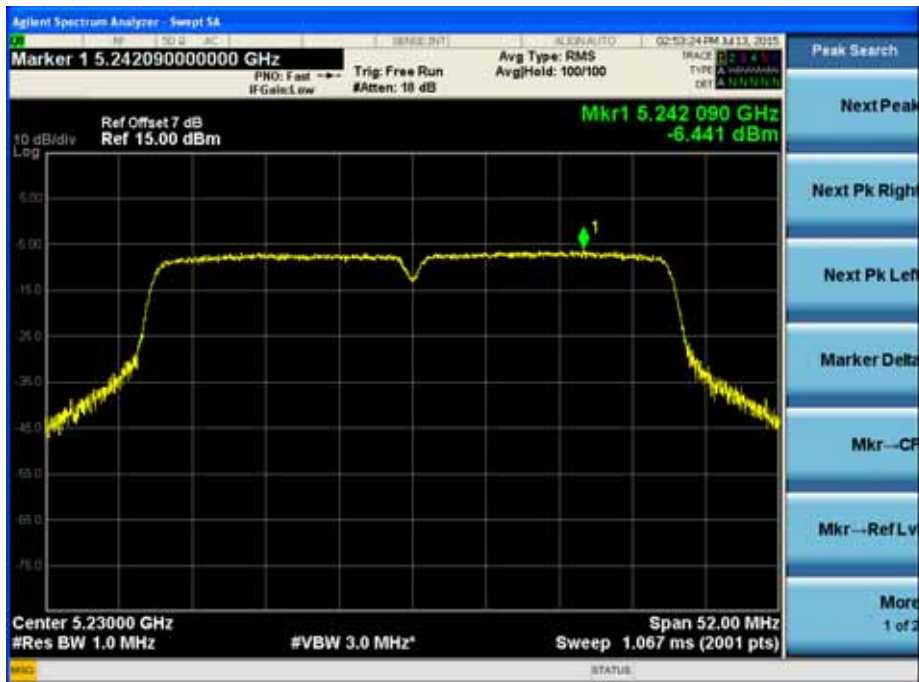
Product	:	5GHz 300Mbps Outdoor Wireless Base Station
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n(40MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSPD (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/MHz)	Result
		Ant0	Ant1					
38	5190	-8.381	-6.640	100	-4.414	19.0	4	Pass
46	5230	-6.441	-6.135	100	-3.275	19.0	4	Pass
Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSPD (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/500kHz)	Result
		Ant0	Ant1					
151	5755	-9.813	-9.767	100	-6.780	19.0	17	Pass
159	5795	-9.906	-9.253	100	-6.557	19.0	17	Pass

Ant 0
 Channel 38 (5190MHz)



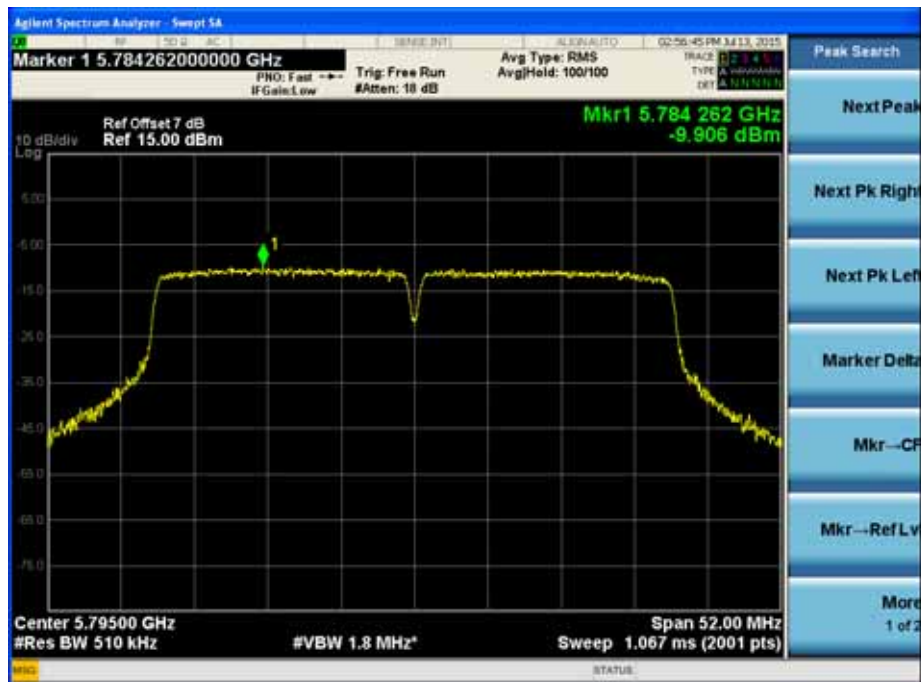
Channel 42 (5230MHz)



Channel 151 (5755MHz)



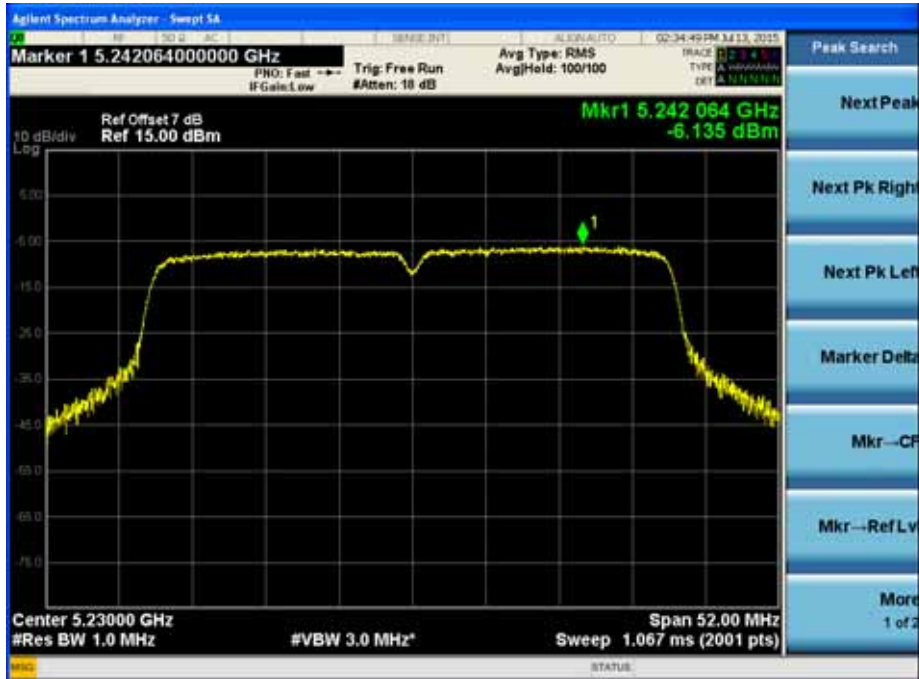
Channel 159(5795MHz)



Ant 1 Channel 38 (5190MHz)



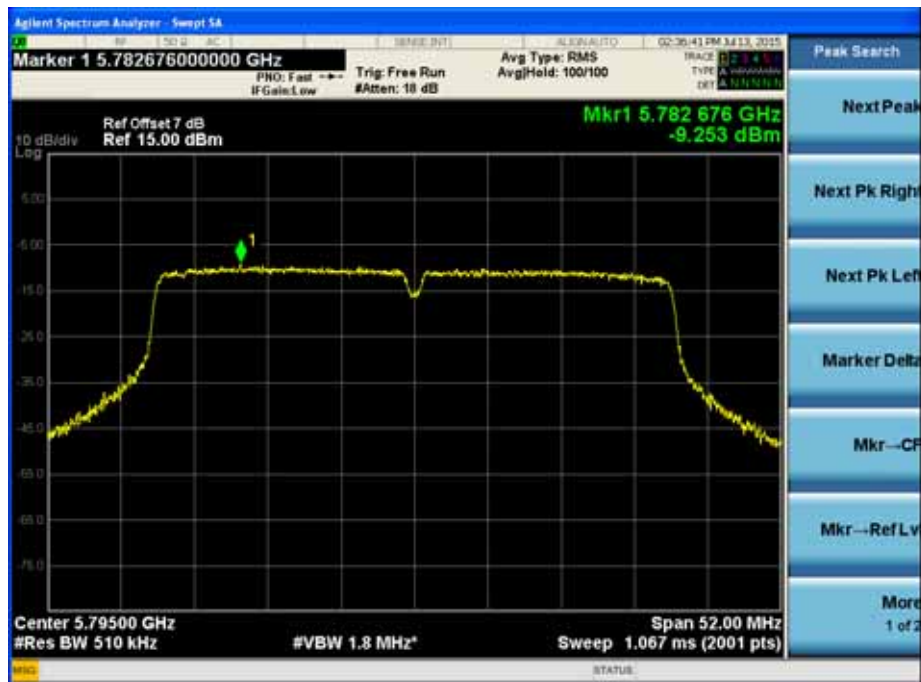
Channel 42 (5230MHz)



Channel 151 (5755MHz)



Channel 159(5795MHz)



For Dipole Antenna

Product	:	5GHz 300Mbps Outdoor Wireless Base Station
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a(10MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSPD (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/MHz)	Result
		Ant0	Ant1					
36	5180	12.814	12.825	100	15.83	6.0	17	Pass
40	5200	13.279	12.666	100	15.99	6.0	17	Pass
48	5240	13.529	12.797	100	16.19	6.0	17	Pass
Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSPD (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/500kHz)	Result
		Ant0	Ant1					
149	5745	8.308	6.640	100	10.56	6.0	30	Pass
157	5785	7.909	8.269	100	11.10	6.0	30	Pass
165	5825	8.123	8.167	100	11.16	6.0	30	Pass

Ant 0

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Ant 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



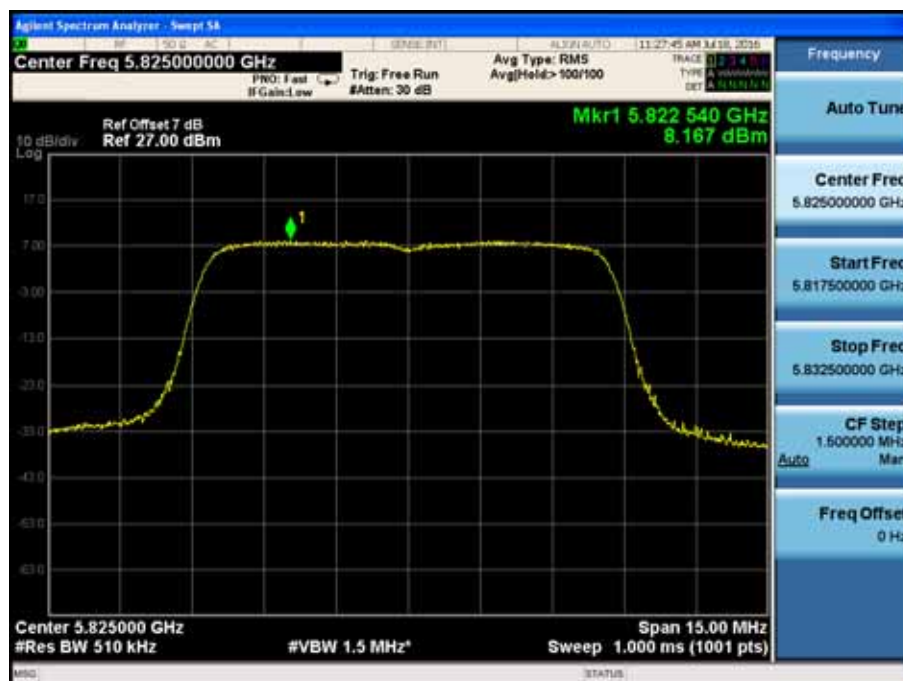
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	:	5GHz 300Mbps Outdoor Wireless Base Station
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a(20MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSP (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/MHz)	Result
		Ant0	Ant1					
36	5180	12.286	13.180	100	15.77	6.0	17	Pass
40	5200	12.934	12.465	100	15.72	6.0	17	Pass
48	5240	12.845	12.273	100	15.58	6.0	17	Pass
Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSP (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/500kHz)	Result
		Ant0	Ant1					
149	5745	5.923	4.783	100	8.40	6.0	30	Pass
157	5785	8.083	7.738	100	10.92	6.0	30	Pass
165	5825	8.314	7.597	100	10.98	6.0	30	Pass

Ant 0

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Ant 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	:	5GHz 300Mbps Outdoor Wireless Base Station
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a(20MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSPD (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/MHz)	Result
		Ant0	Ant1					
36	5180	7.179	7.863	100	10.545	6.0	17	Pass
40	5200	7.117	7.676	100	10.416	6.0	17	Pass
48	5240	7.268	7.547	100	10.420	6.0	17	Pass
Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSPD (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/500kHz)	Result
		Ant0	Ant1					
149	5745	5.503	5.740	100	8.633	6.0	30	Pass
157	5785	5.072	5.061	100	8.077	6.0	30	Pass
165	5825	5.223	4.109	100	7.712	6.0	30	Pass

Ant 0

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Ant 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	:	5GHz 300Mbps Outdoor Wireless Base Station
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n(20MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSPD (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/MHz)	Result
		Ant0	Ant1					
36	5180	7.179	7.132	100	10.166	6.0	17	Pass
40	5200	7.194	7.380	100	10.298	6.0	17	Pass
48	5240	7.245	7.312	100	10.289	6.0	17	Pass
Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSPD (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/500kHz)	Result
		Ant0	Ant1					
149	5745	7.805	5.477	100	9.805	6.0	30	Pass
157	5785	4.984	4.600	100	7.807	6.0	30	Pass
165	5825	5.177	4.170	100	7.713	6.0	30	Pass

Ant 0

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Ant 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	:	5GHz 300Mbps Outdoor Wireless Base Station
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n(40MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSPD (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/MHz)	Result
		Ant0	Ant1					
38	5190	4.161	5.065	100	7.647	6.0	17	Pass
46	5230	4.060	4.912	100	7.517	6.0	17	Pass
Channel No.	Frequency (MHz)	Measurement Power Output (dBm/MHz)		Duty Cycle (%)	Total PPSPD (dBm/MHz)	DiretionalGain (dBi)	Limit (dBm/500kHz)	Result
		Ant0	Ant1					
151	5755	-3.765	-2.860	100	-0.279	6.0	30	Pass
159	5795	2.374	1.482	100	4.961	6.0	30	Pass

Ant 0

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



Ant 1

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



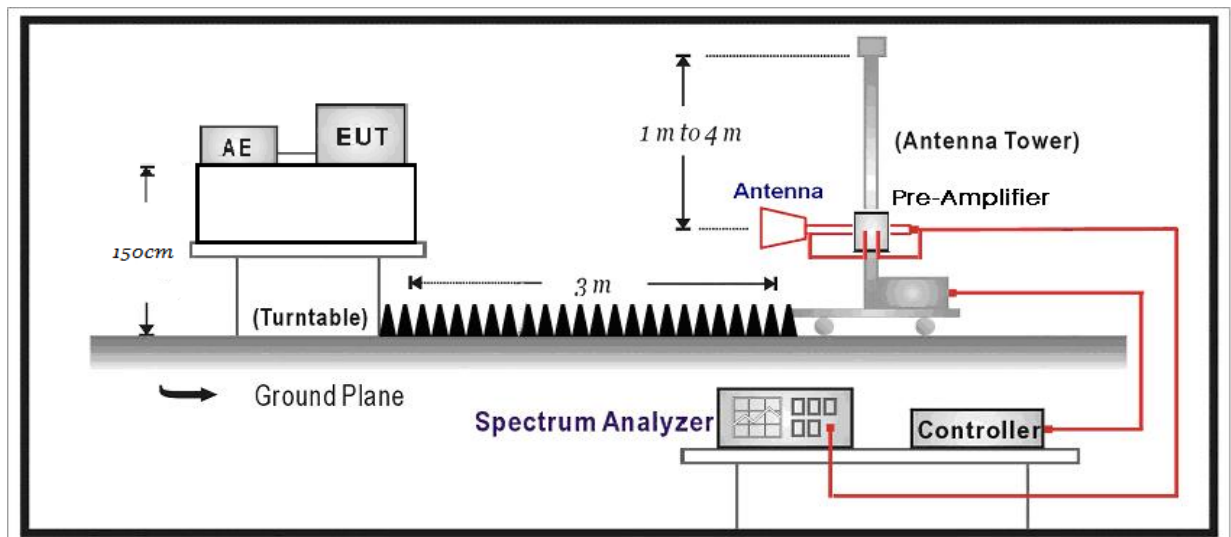
9. Radiated Emission Band Edge

9.1. Test Equipment

Radiated Emission Band Edge / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.03.11	2017.03.10
Preamplifier	Miteq	NSP1800-25	1364185	2015.05.04	2016.05.03
Preamplifier	QuieTek	AP-040G	CHM-0906001	2015.05.04	2016.05.03
Bilog Antenna	Teseq GmbH	CBL6112D	27612	2015.10.16	2016.10.15
DRG Horn	ETS-Lindgren	3117	00165315	2015.07.01	2016.06.30
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2016.03.02	2017.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2016.03.02	2017.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2016.03.02	2017.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2015.06.10	2016.06.09
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2016.01.05	2017.01.05

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

9.2. Test Setup



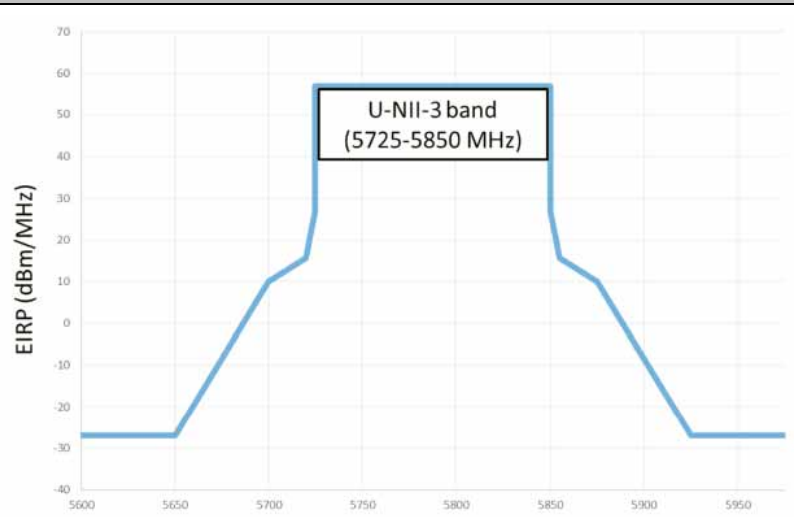
9.3. Limit

FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit)		
Frequency (MHz)	Distance (m)	Level (dBμV/m)
0.009-0.490	300	2400/F(kHz)
0.490-1.705	30	24000/F(kHz)
1.705-30.0	30	30
30-88	3	100**
88-216	3	150**
216-960	3	200**
Above 960	3	500

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

FCC Part 15 Subpart C Paragraph 15.205 (Restricted Band)			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
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
8.81425 – 8.81475	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	
13.36 – 13.41			

FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB μ V/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
5725 - 5825	-27 [Note(1)]	68.3
	-17 [Note(2)]	78.3
Note(1): Outside the frequency range 5715 - 5835MHz. Note(2): Within the frequency range from the band edge to 10MHz below or above the band edge, 5715 – 5725MHz and 5825 - 5835MHz.		
FCC 16-24		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	
5725 - 5850		

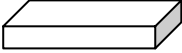
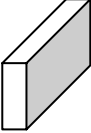
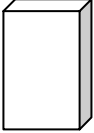
9.4. Test Procedure

Test Method				
	References Rule		Chapter	Description
☐	ANSI C63.10		12.7.3	Emissions in non-restricted frequency bands
☒	ANSI C63.10		12.7.2	Emissions in restricted frequency bands
	☒	ANSI C63.10	12.7.5	Radiated emission measurements
	☒	ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
	☒	ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
	☐	ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
	☒	ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
	☒	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	☒	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
☐	FCC KDB 789033 D02v01		G.2	Unwanted Emissions that fall Outside of the Restricted Bands
☐	FCC KDB 789033 D02v01		G.1	Unwanted Emissions in the Restricted Bands
	☐	FCC KDB 789033 D02v01	G.4	Procedure for Unwanted Emissions Measurements below 1000 MHz
	☐	FCC KDB 789033 D02v01	G.5	Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz
	☐	FCC KDB 789033 D02v01	G.6	Procedures for Average Unwanted Emissions Measurements above 1000 MHz
	☐	FCC KDB 789033 D02v01	G.6.c	Method AD (Average detection)—primary method
	☐	FCC KDB 789033 D02v01	G.6.d	Method VB (Averaging using reduced video bandwidth): Alternative method.

9.5. Uncertainty

The measurement uncertainty above 1GHz is defined as ± 3.9 dB

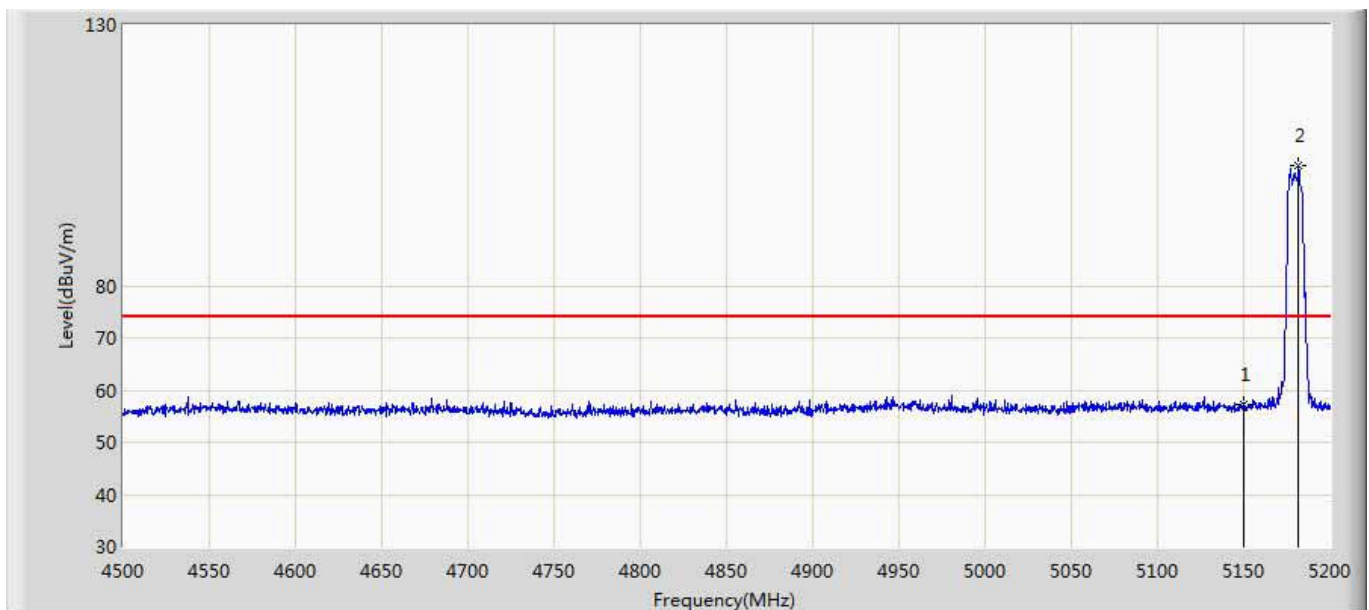
9.6. EUT test Axis definition

Item	Radiated Emissions		
Device Category	☒	Fixed position use	
	☐	Mobile position use	
Test mode	Mode 1, Mode 2, Mode 3		
Axis	X Axis	Y Axis	Z Axis
			
Worse Axis	Worst Axis ☐	Worst Axis ☐	Worst Axis ☒

9.7. Test Result

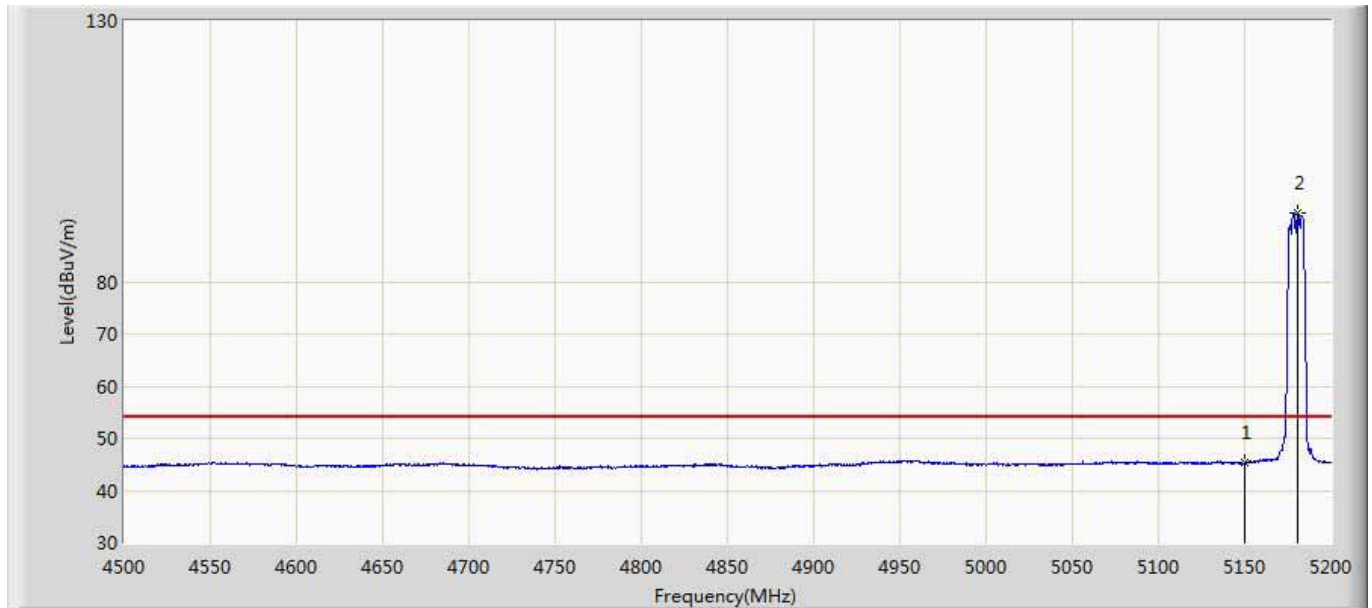
For Sectorized Antenna

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 15:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5180 by 802.11a(10MHz)	



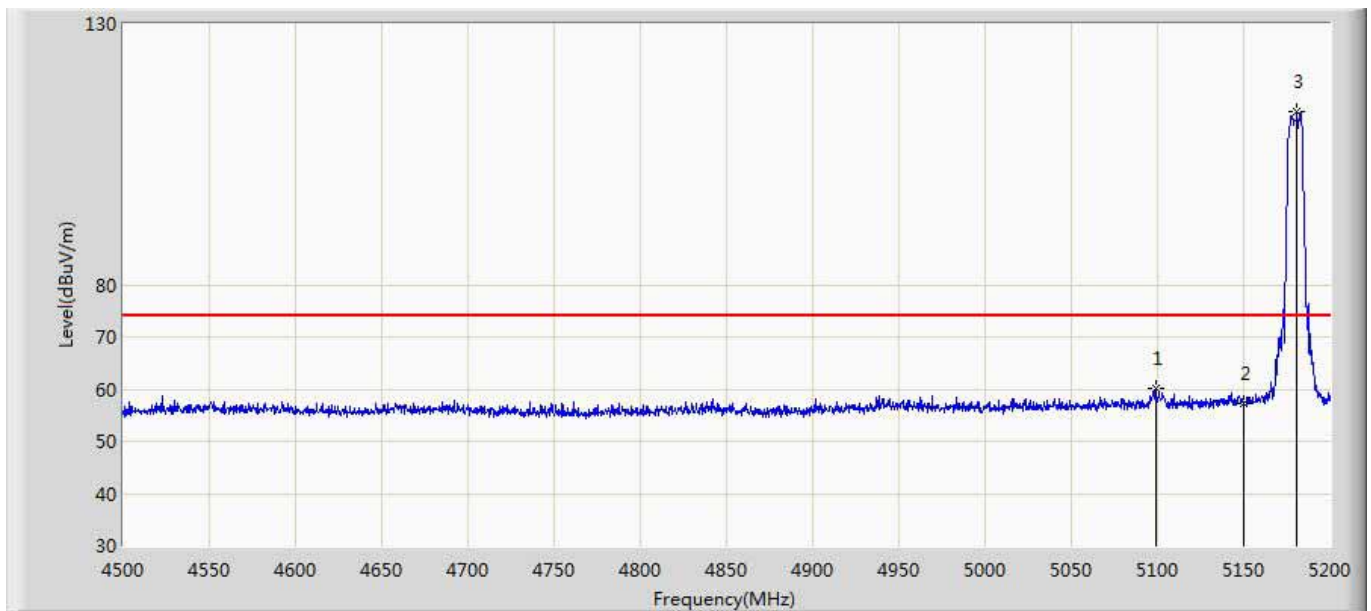
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.258	16.763	-16.742	74.000	40.495	PK
2	*	5181.800	102.906	62.408	28.906	74.000	40.498	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 15:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5180 by 802.11a(10MHz)	



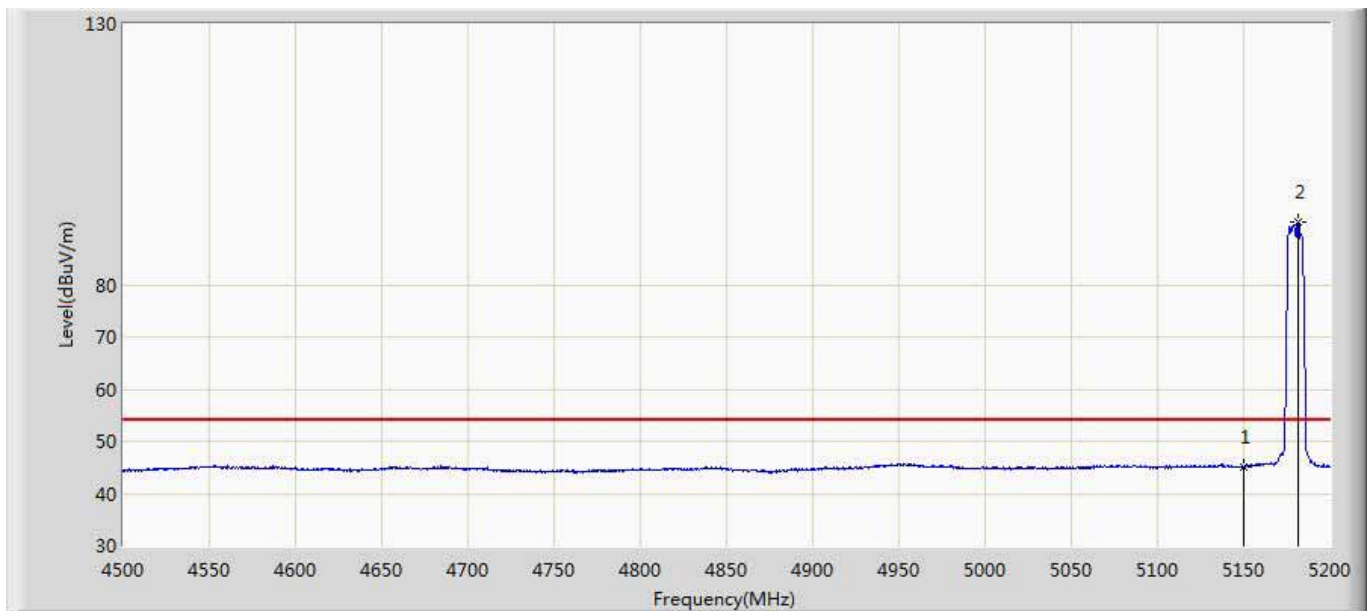
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.330	4.835	-8.670	54.000	40.495	AV
2	*	5180.750	93.269	52.746	39.269	54.000	40.523	AV

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 15:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5180 by 802.11a(10MHz)	



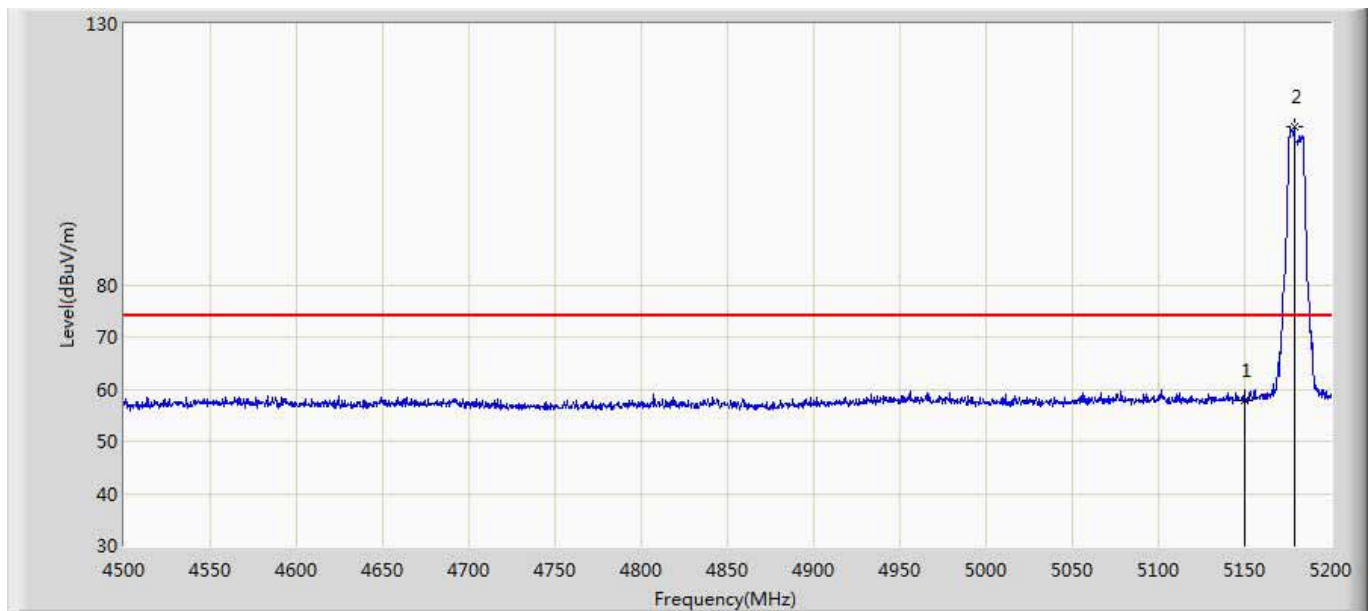
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5099.200	60.027	19.828	-13.973	74.000	40.199	PK
2		5150.000	57.164	16.669	-16.836	74.000	40.495	PK
3	*	5180.750	113.296	72.773	39.296	74.000	40.523	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5180 by 802.11a(10MHz)	



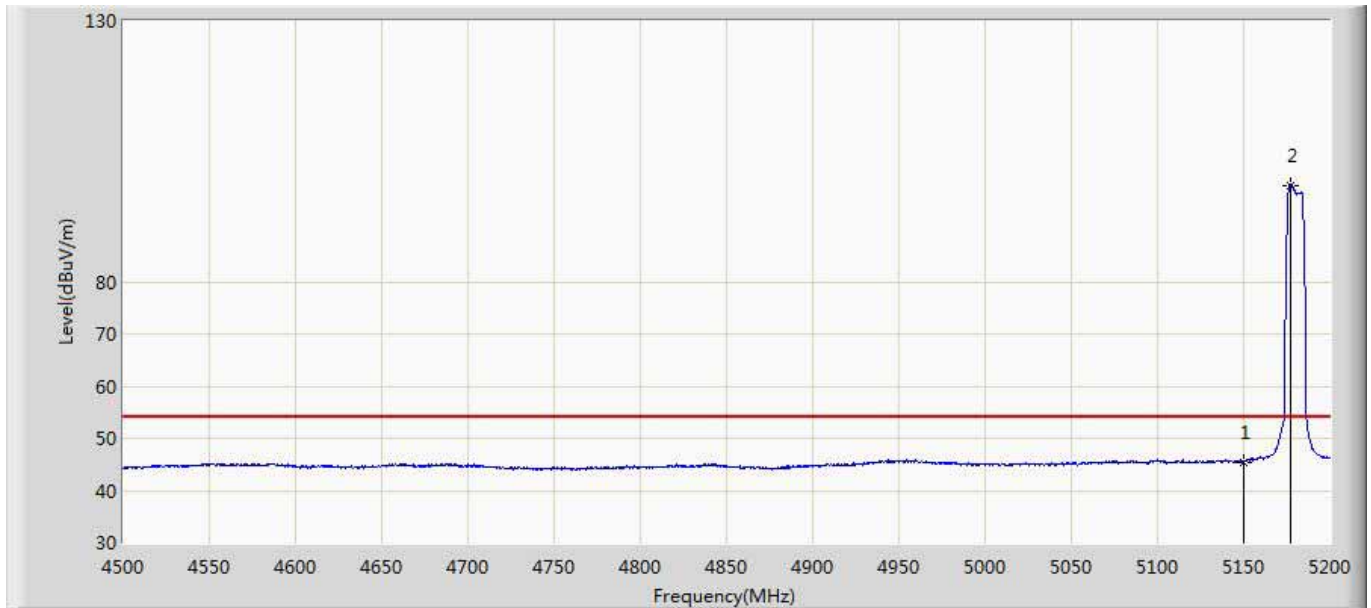
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.193	4.698	-8.807	54.000	40.495	AV
2	*	5181.800	92.008	51.510	38.008	54.000	40.498	AV

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5180 by 802.11n(10MHz)	



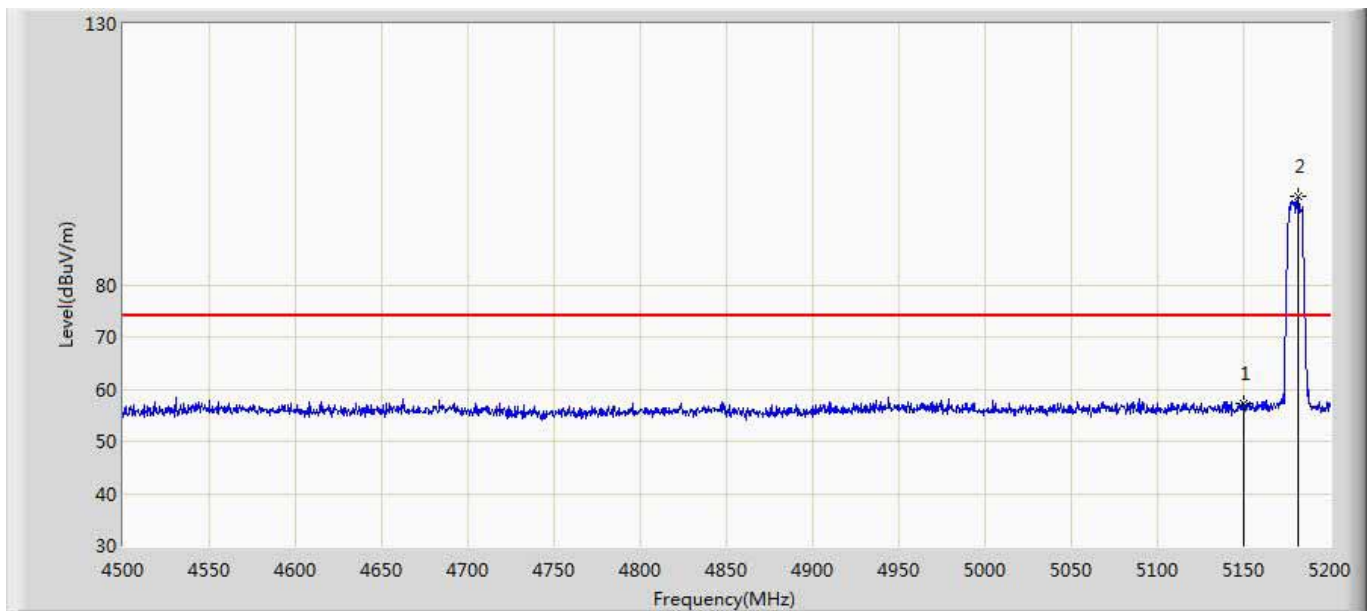
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.903	17.408	-16.097	74.000	40.495	PK
2	*	5178.650	110.192	69.617	36.192	74.000	40.575	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5180 by 802.11n(10MHz)	



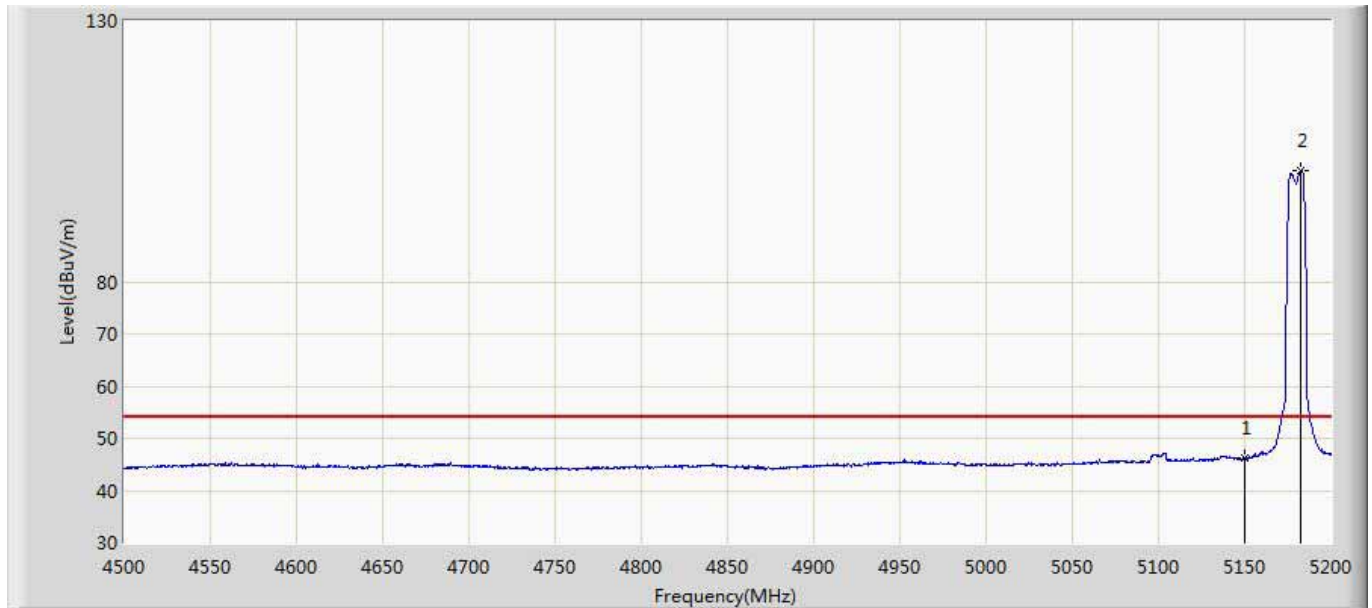
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.466	4.971	-8.534	54.000	40.495	AV
2	*	5177.600	98.545	57.945	44.545	54.000	40.601	AV

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5180 by 802.11n(10MHz)	



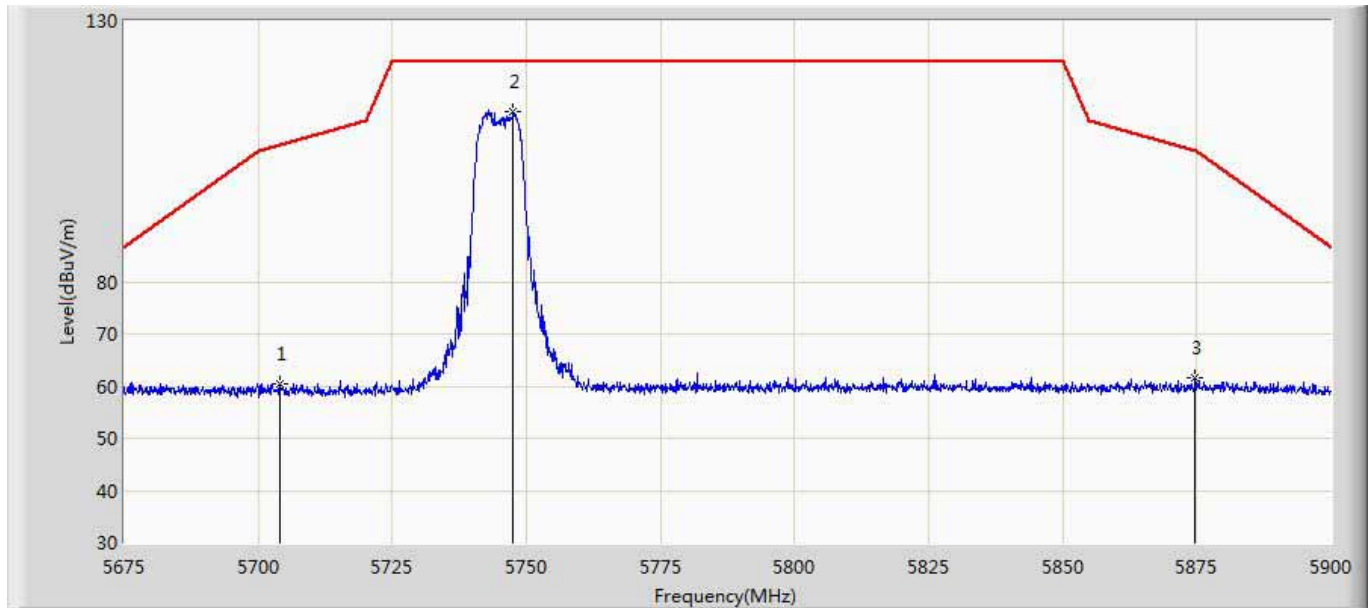
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.161	16.666	-16.839	74.000	40.495	PK
2	*	5181.800	96.953	56.455	22.953	74.000	40.498	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5180 by 802.11n(10MHz)	



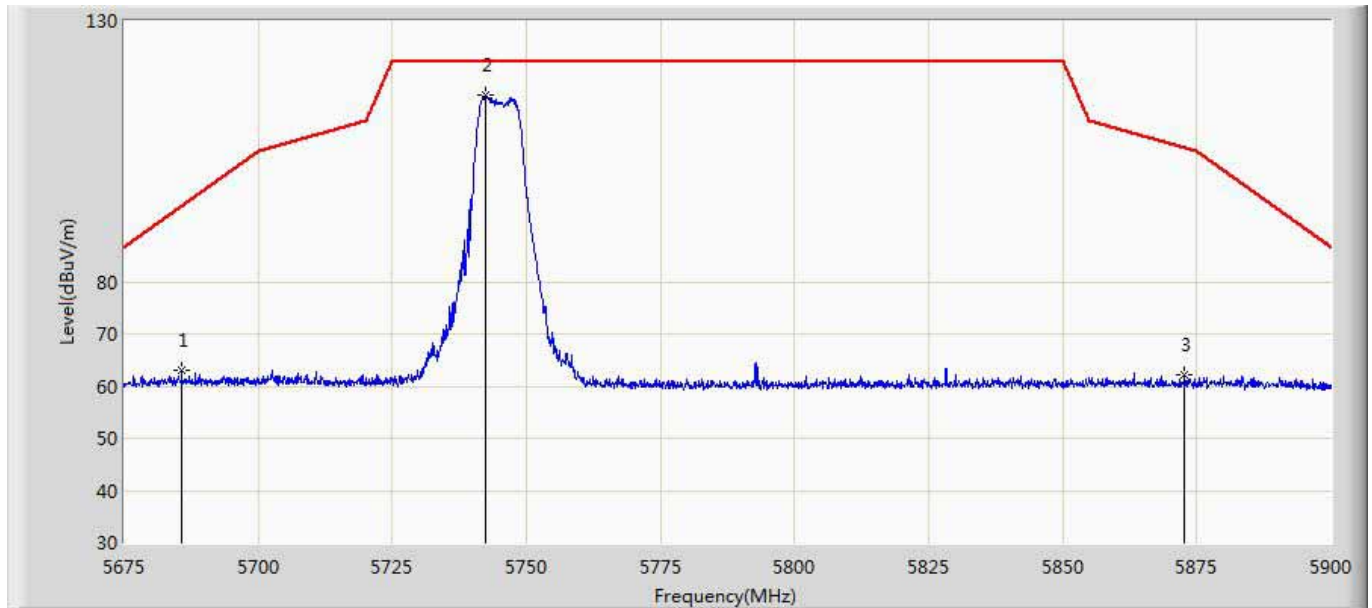
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	46.102	5.607	-7.898	54.000	40.495	AV
2	*	5182.850	101.364	60.882	47.364	54.000	40.482	AV

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:37
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5745 by 802.11a(10MHz)	



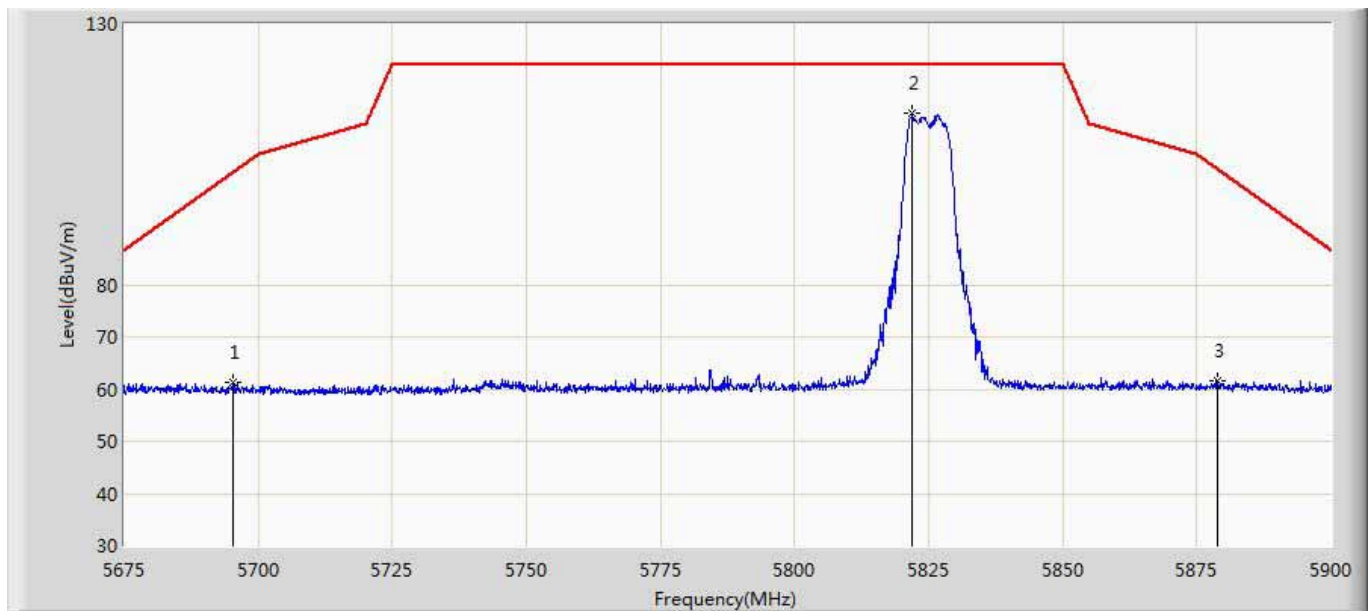
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5704.025	60.354	18.746	-45.973	106.327	41.608	PK
2	*	5747.450	112.640	70.738	-9.560	122.200	41.902	PK
3		5874.687	61.682	19.150	-43.606	105.288	42.532	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:38
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5745 by 802.11a(10MHz)	



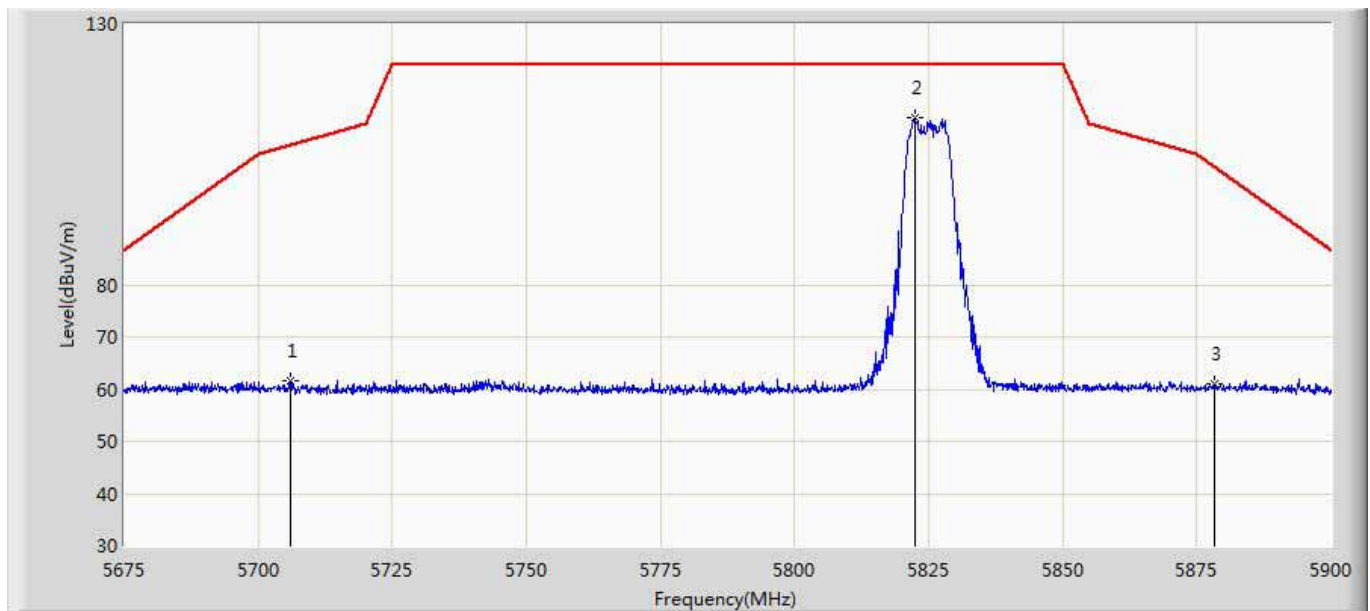
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5685.687	62.906	21.223	-31.702	94.608	41.683	PK
2	*	5742.500	115.663	73.781	-6.537	122.200	41.882	PK
3		5872.775	62.096	19.579	-43.727	105.823	42.517	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:39
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5825 by 802.11a(10MHz)	



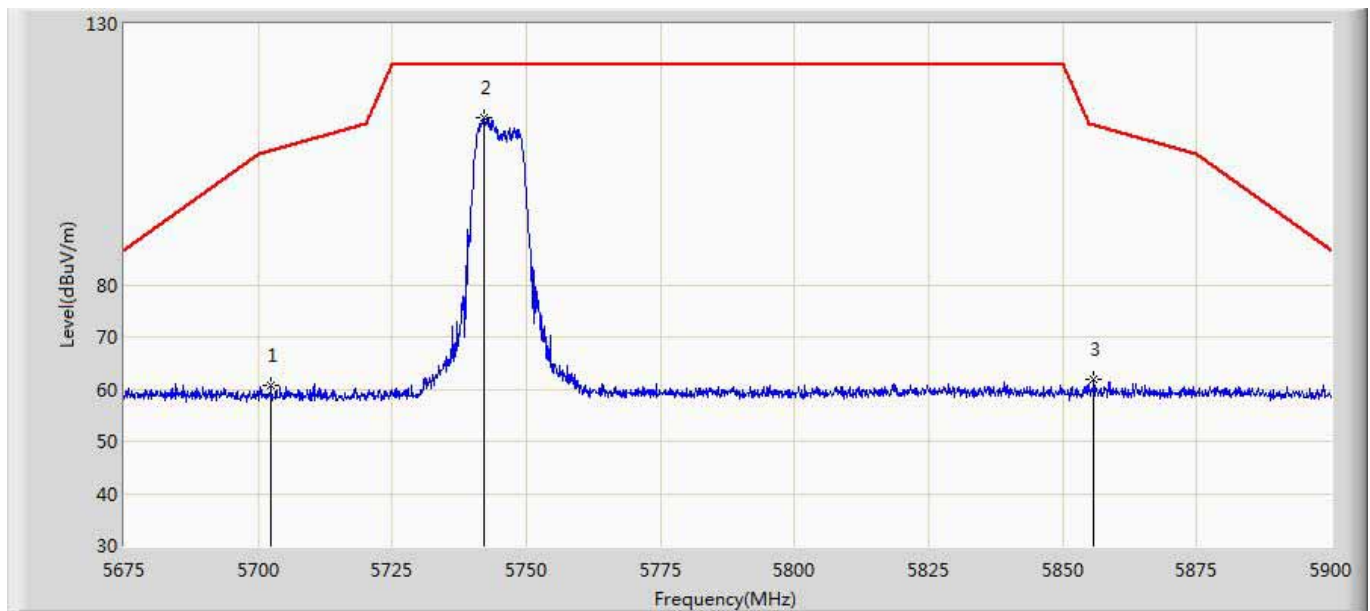
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5695.250	61.397	19.690	-40.288	101.685	41.708	PK
2	*	5822.038	112.822	70.884	-9.378	122.200	41.939	PK
3		5878.962	61.635	19.070	-40.633	102.268	42.565	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:41
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5825 by 802.11a(10MHz)	



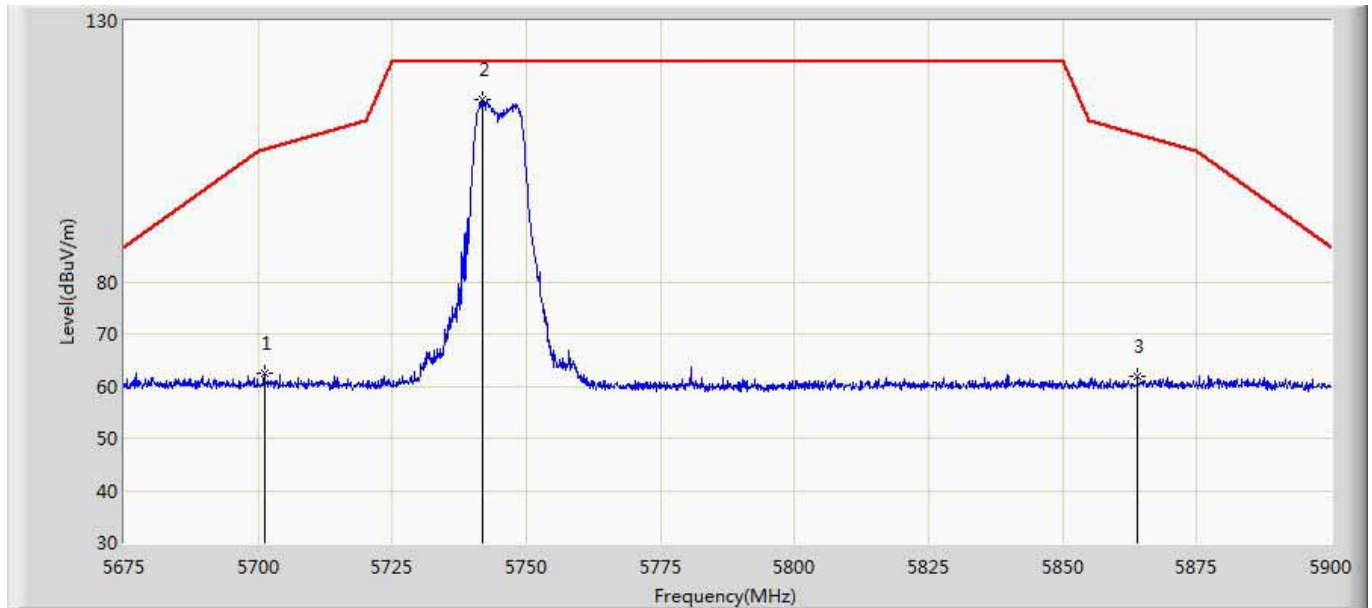
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5705.937	61.584	19.998	-45.278	106.862	41.586	PK
2	*	5822.487	112.115	70.171	-10.085	122.200	41.944	PK
3		5878.175	60.966	18.407	-41.884	102.850	42.559	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:43
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode2: Transmit at CH5745 by 802.11n(10MHz)	



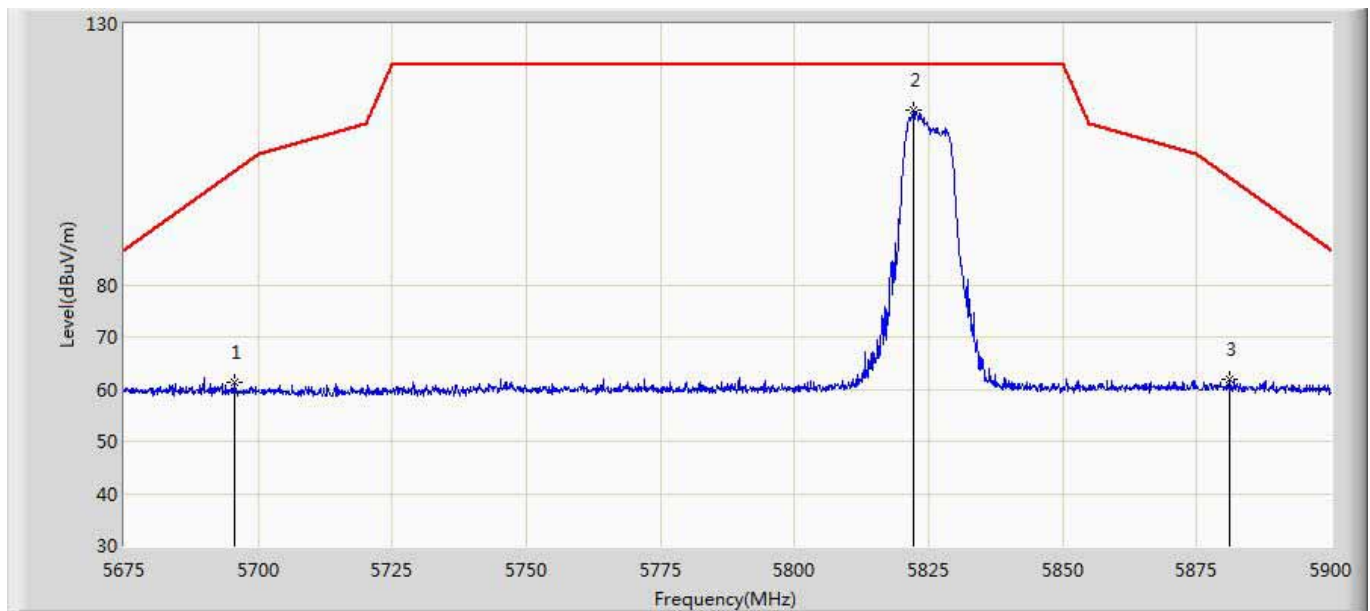
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5702.450	60.602	18.976	-45.284	105.886	41.626	PK
2	*	5742.050	112.156	70.278	-10.044	122.200	41.878	PK
3		5855.788	61.924	19.604	-48.655	110.579	42.320	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:45
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode2: Transmit at CH5745 by 802.11n(10MHz)	



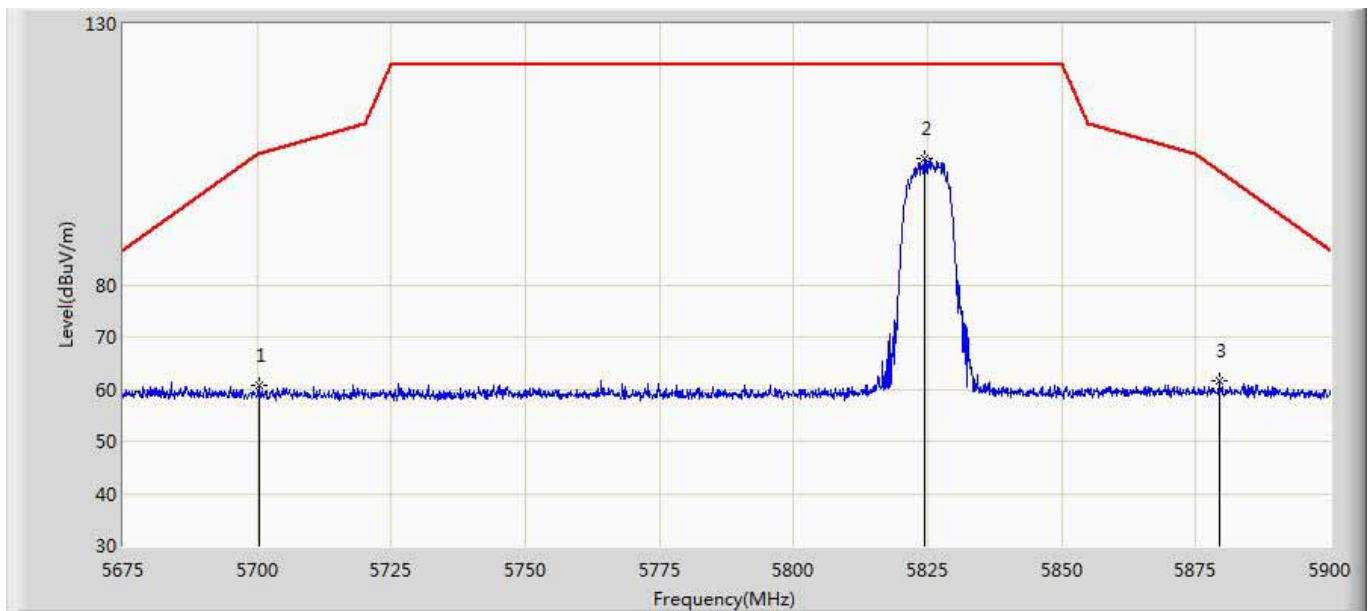
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5701.100	62.525	20.884	-42.983	105.508	41.641	PK
2	*	5741.937	114.886	73.009	-7.314	122.200	41.876	PK
3		5863.888	61.859	19.411	-46.453	108.311	42.448	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:48
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode2: Transmit at CH5825 by 802.11n(10MHz)	



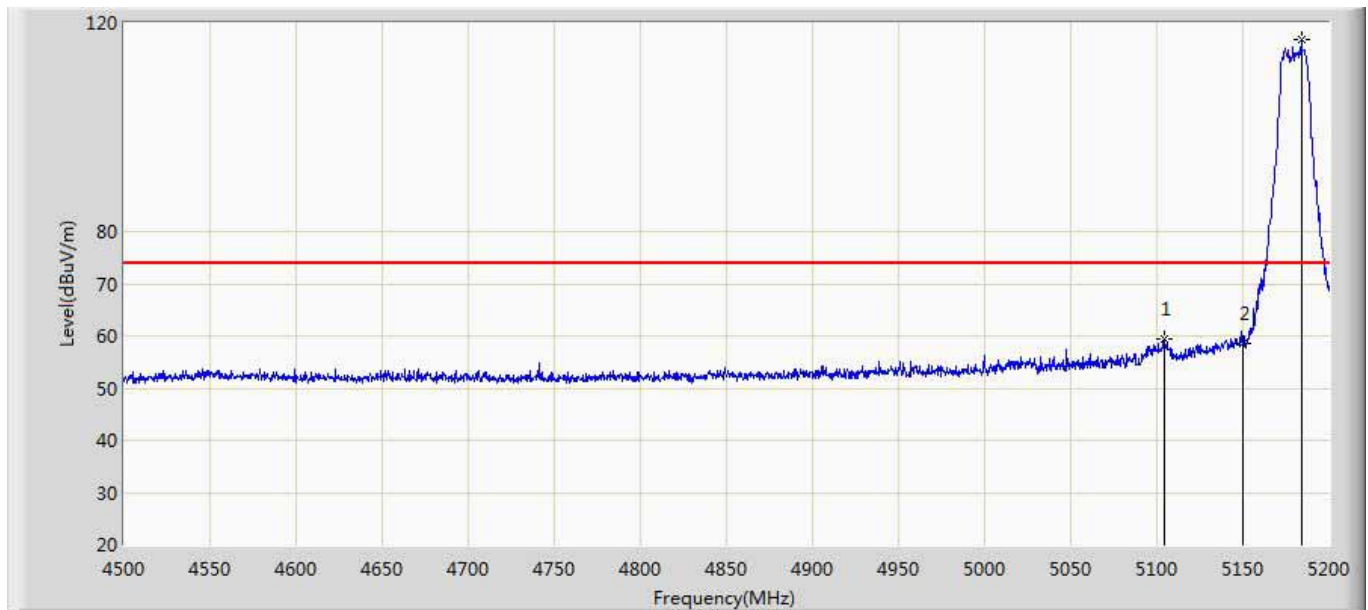
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5695.475	61.428	19.723	-40.424	101.852	41.705	PK
2	*	5822.263	113.411	71.470	-8.789	122.200	41.941	PK
3		5881.100	61.766	19.258	-38.920	100.686	42.508	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 16:50
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode2: Transmit at CH5825 by 802.11n(10MHz)	



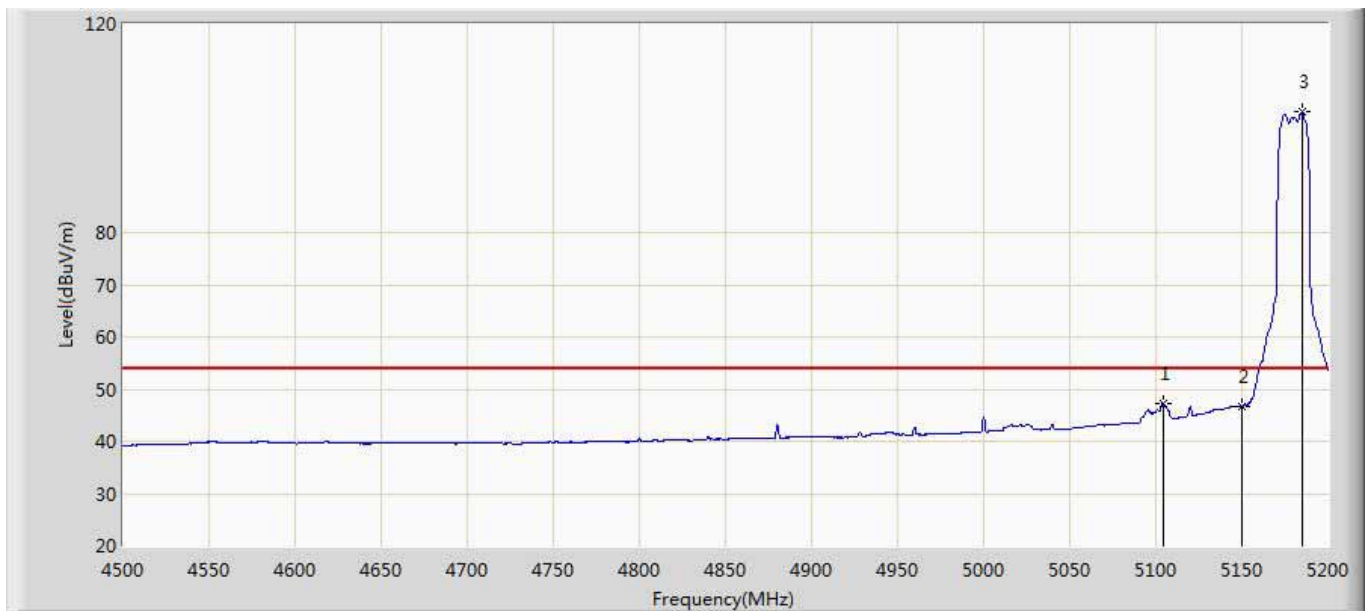
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5700.312	60.756	19.106	-44.531	105.287	41.650	PK
2	*	5824.400	104.325	62.357	-17.875	122.200	41.968	PK
3		5879.300	61.623	19.066	-40.395	102.018	42.557	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5180 by 802.11a(20MHz)	



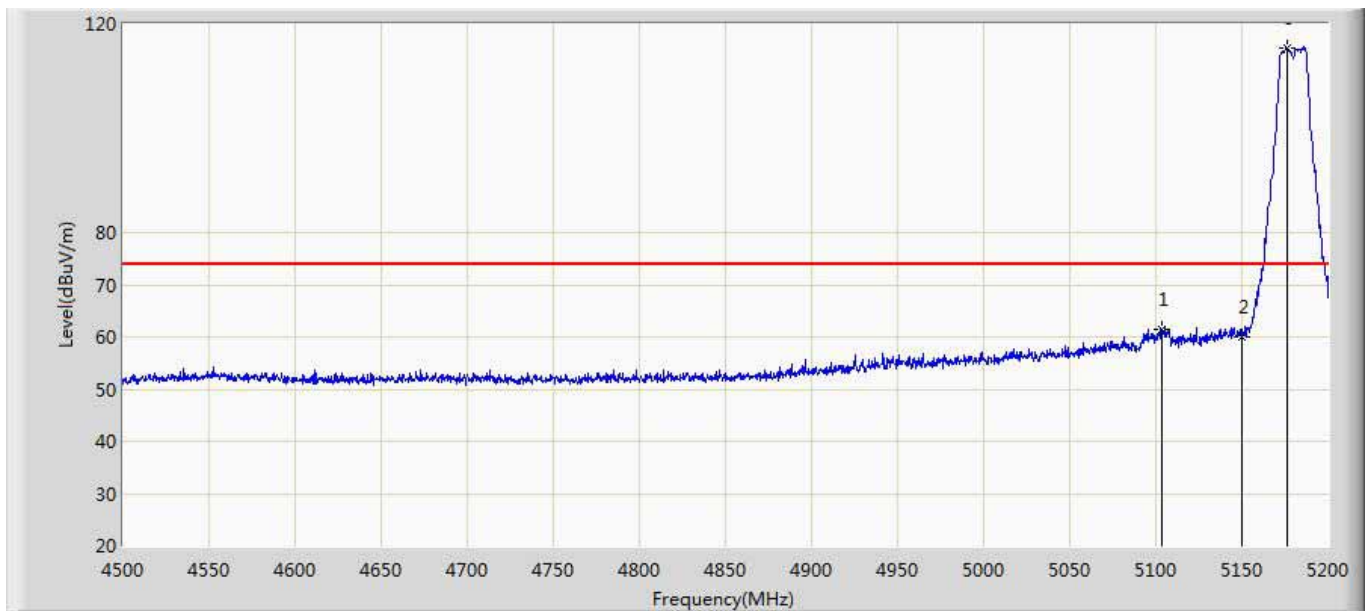
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5104.100	59.485	17.594	-14.515	74.000	41.891	PK
2		5150.000	58.502	16.487	-15.498	74.000	42.015	PK
3	*	5183.900	116.795	74.662	42.795	74.000	42.133	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5180 by 802.11a(20MHz)	



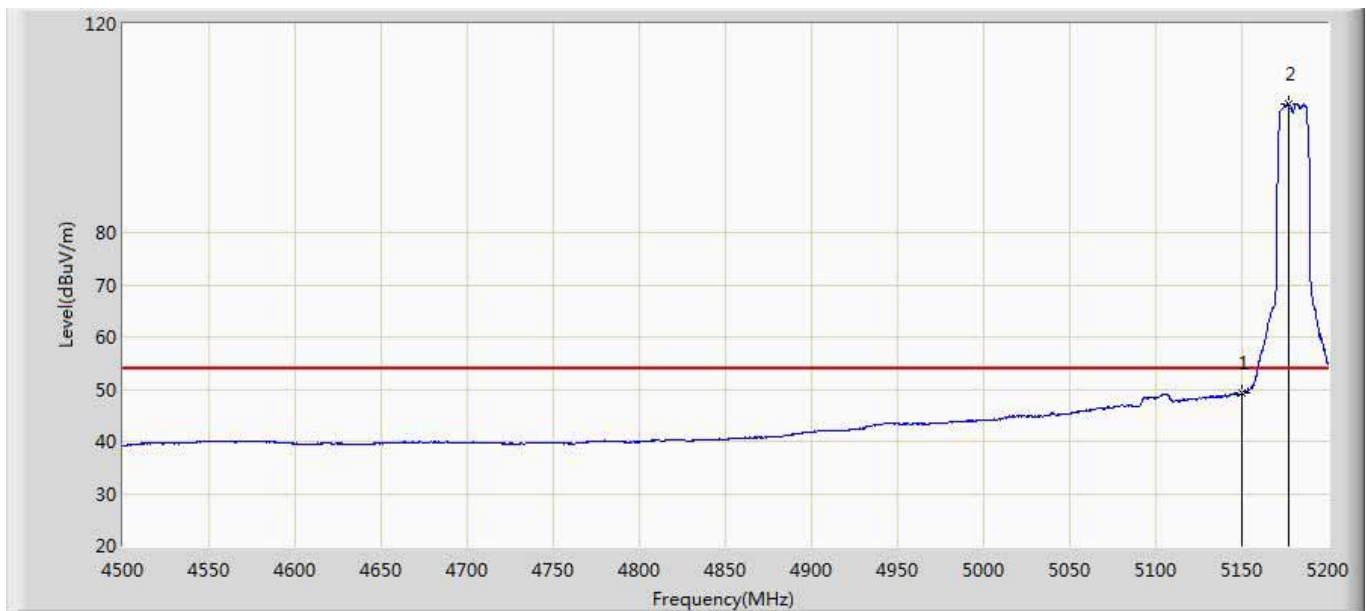
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5104.100	47.288	5.397	-6.712	54.000	41.891	AV
2		5150.000	46.721	4.706	-7.279	54.000	42.015	AV
3	*	5184.950	103.076	60.950	49.076	54.000	42.126	AV

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5180 by 802.11a(20MHz)	



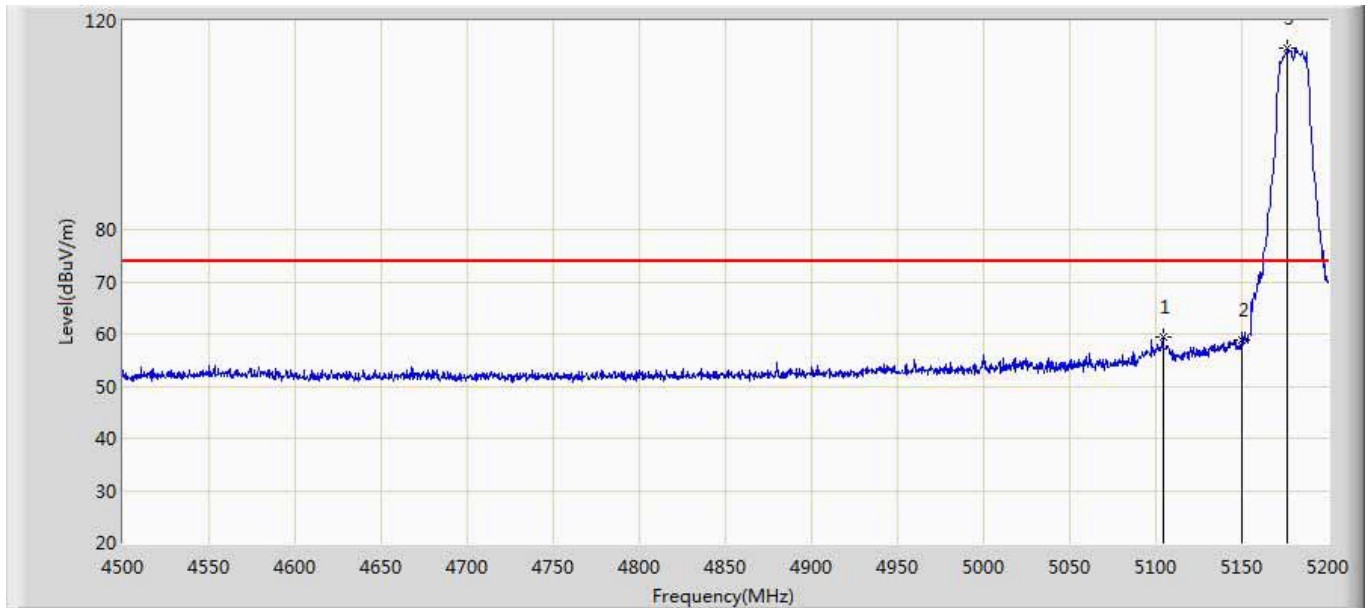
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5103.400	61.588	19.707	-12.412	74.000	41.880	PK
2		5150.000	60.065	18.050	-13.935	74.000	42.015	PK
3	*	5176.550	115.412	73.267	41.412	74.000	42.146	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5180 by 802.11a(20MHz)	



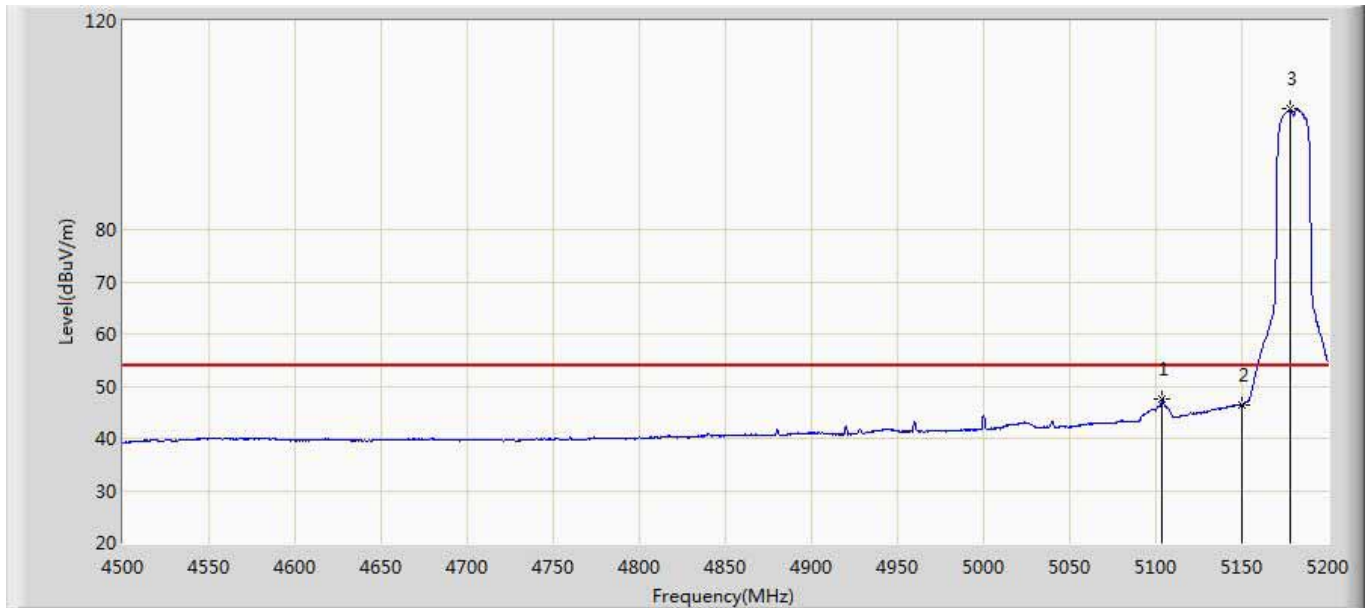
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	49.193	7.178	-4.807	54.000	42.015	AV
2	*	5176.900	104.667	62.522	50.667	54.000	42.145	AV

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5180 by 802.11n(20MHz)	



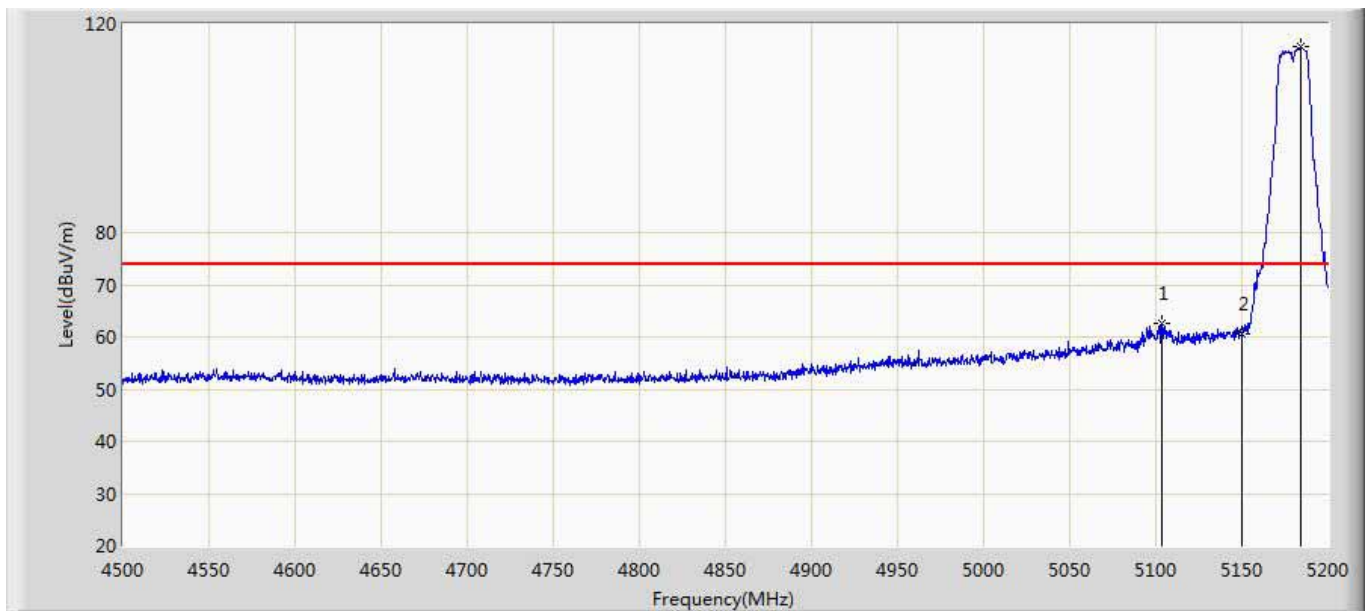
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5104.100	59.425	17.534	-14.575	74.000	41.891	PK
2		5150.000	58.882	16.867	-15.118	74.000	42.015	PK
3	*	5176.550	114.839	72.694	40.839	74.000	42.146	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5180 by 802.11n(20MHz)	



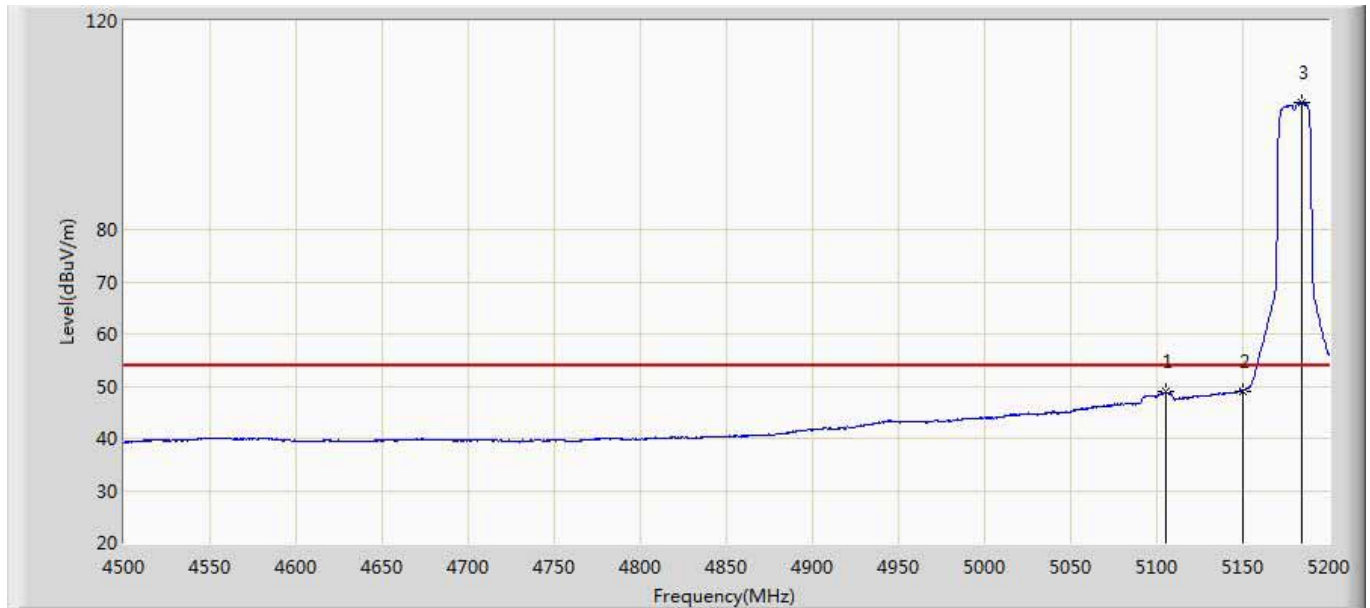
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5103.750	47.471	5.585	-6.529	54.000	41.886	AV
2		5150.000	46.356	4.341	-7.644	54.000	42.015	AV
3	*	5178.300	103.078	60.933	49.078	54.000	42.145	AV

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5180 by 802.11n(20MHz)	



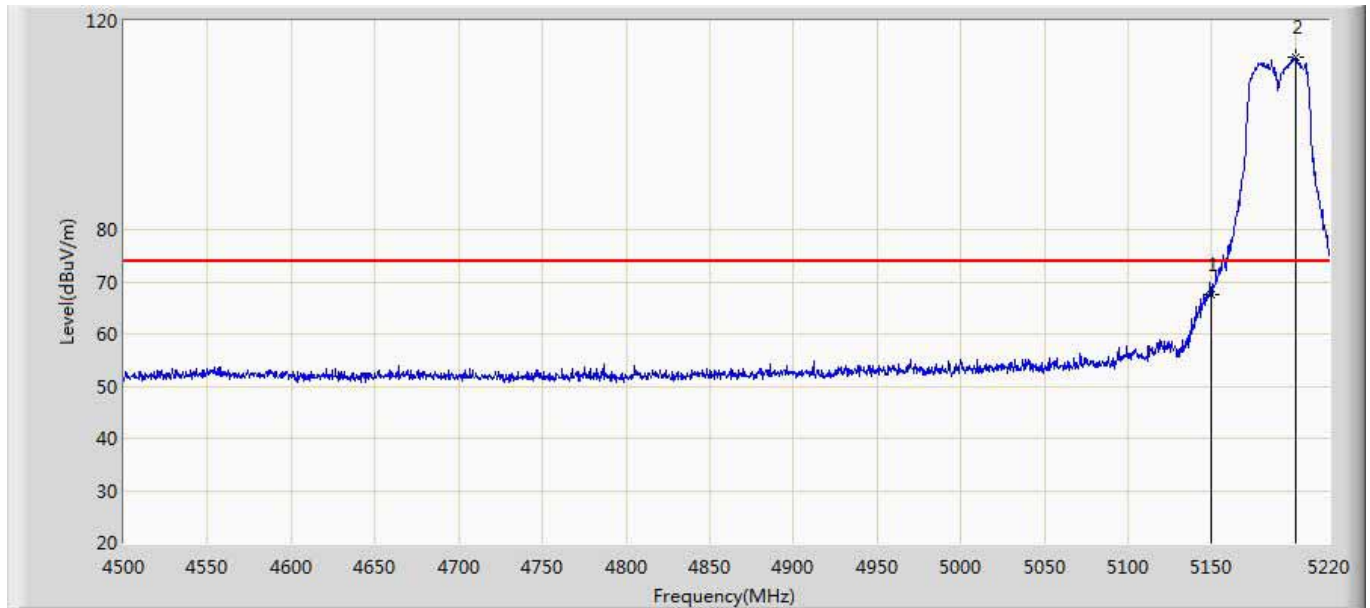
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5103.400	62.712	20.831	-11.288	74.000	41.880	PK
2		5150.000	60.658	18.643	-13.342	74.000	42.015	PK
3	*	5184.250	115.715	73.584	41.715	74.000	42.131	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5180 by 802.11n(20MHz)	



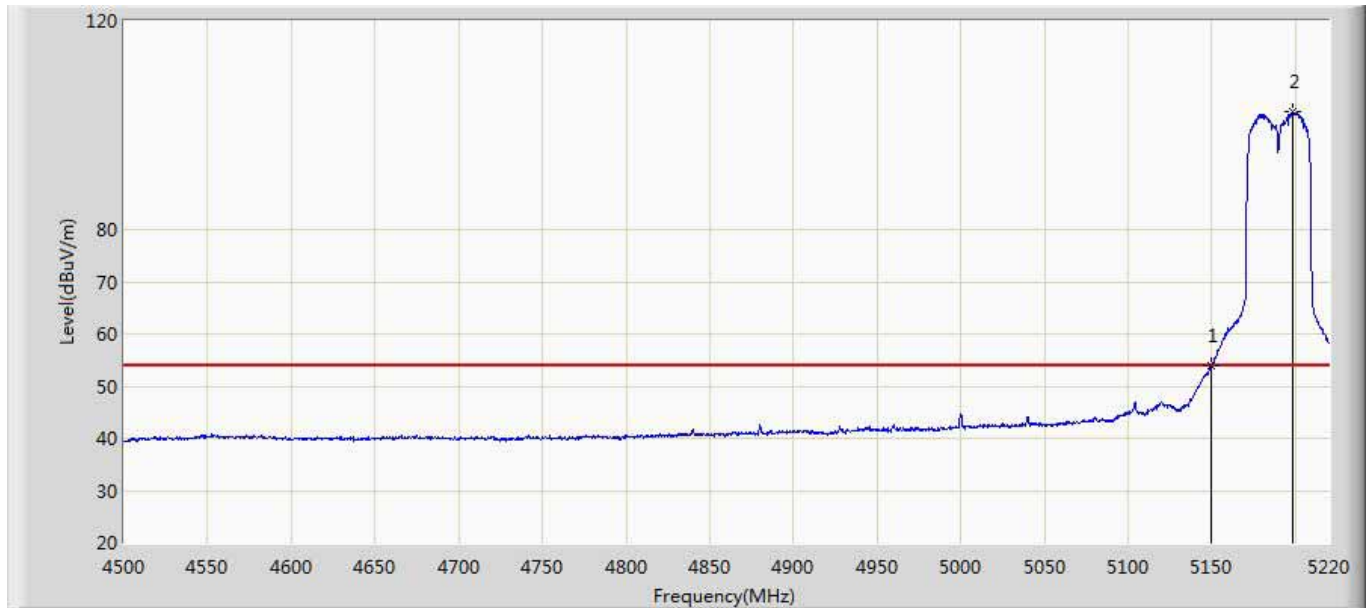
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5105.500	48.845	6.932	-5.155	54.000	41.912	AV
2		5150.000	49.120	7.105	-4.880	54.000	42.015	AV
3	*	5184.250	104.390	62.259	50.390	54.000	42.131	AV

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5190 by 802.11n(40MHz)	



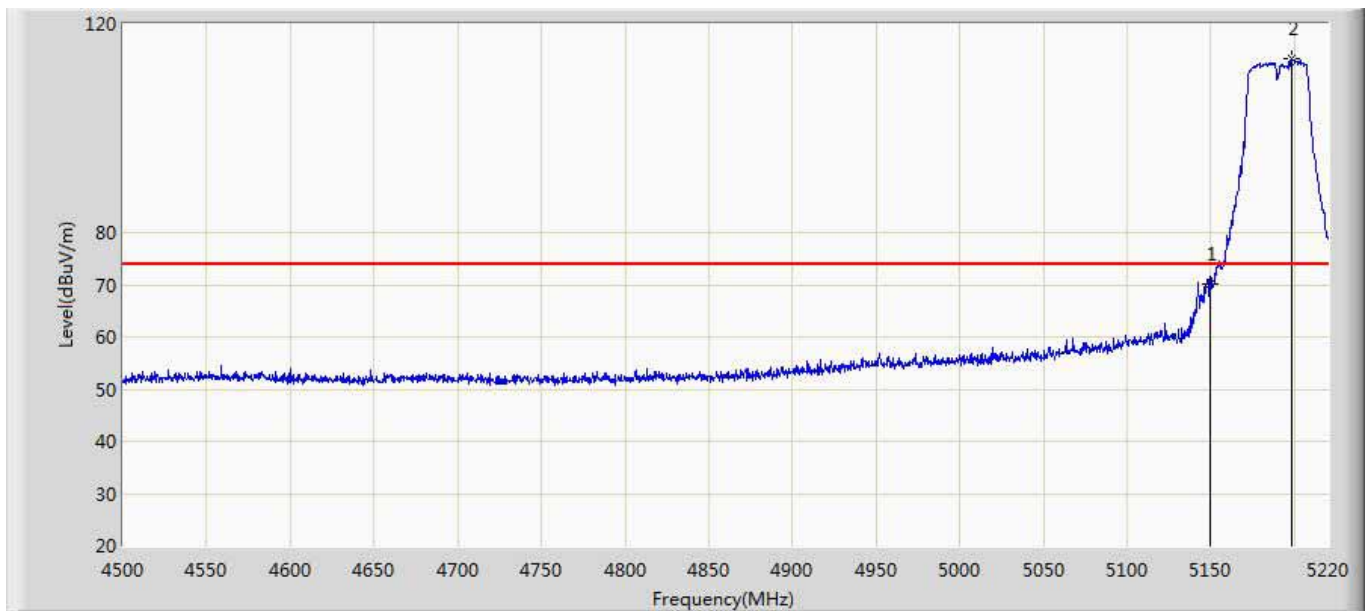
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	67.392	25.377	-6.608	74.000	42.015	PK
2	*	5200.560	113.108	71.077	39.108	74.000	42.032	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5190 by 802.11n(40MHz)	



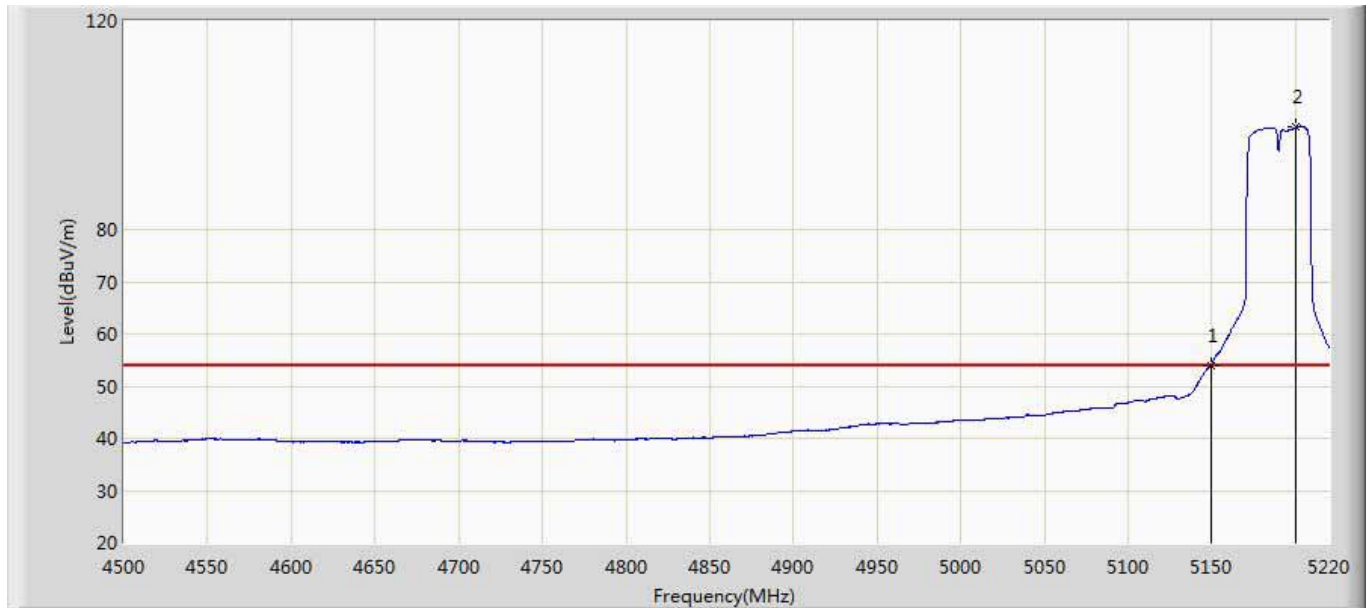
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.924	11.909	-0.076	54.000	42.015	AV
2	*	5198.400	102.474	60.434	48.474	54.000	42.040	AV

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5190 by 802.11n(40MHz)	



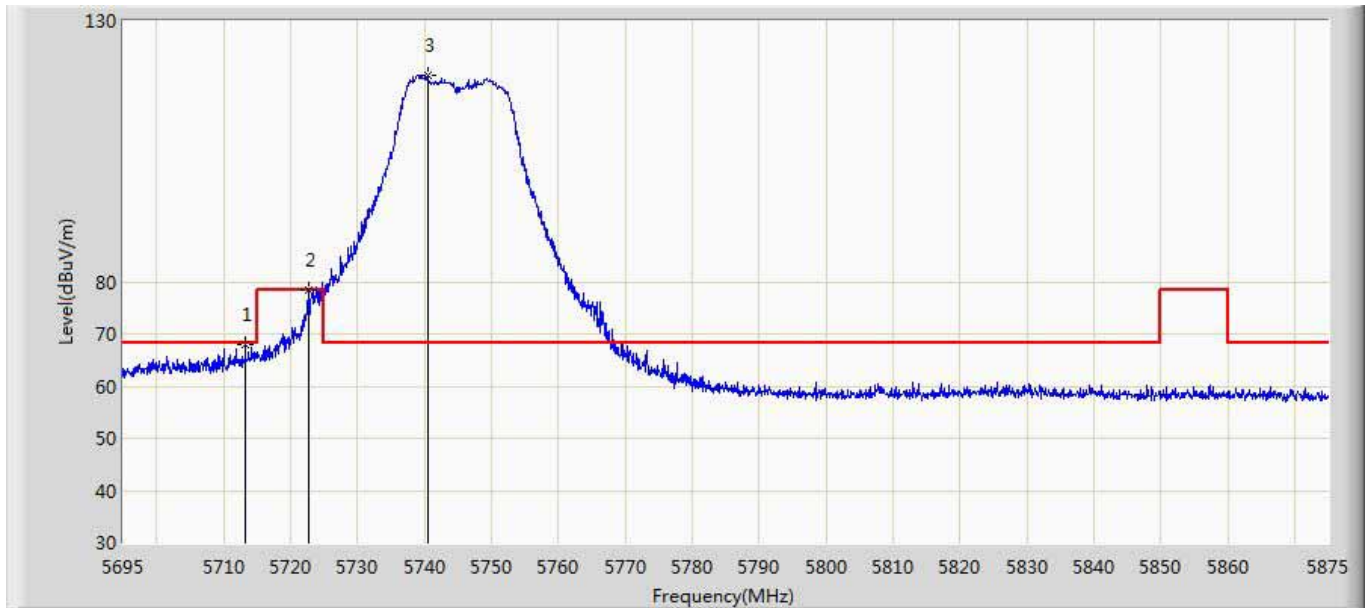
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	70.135	28.120	-3.865	74.000	42.015	PK
2	*	5198.040	113.463	71.420	39.463	74.000	42.043	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5190 by 802.11n(40MHz)	



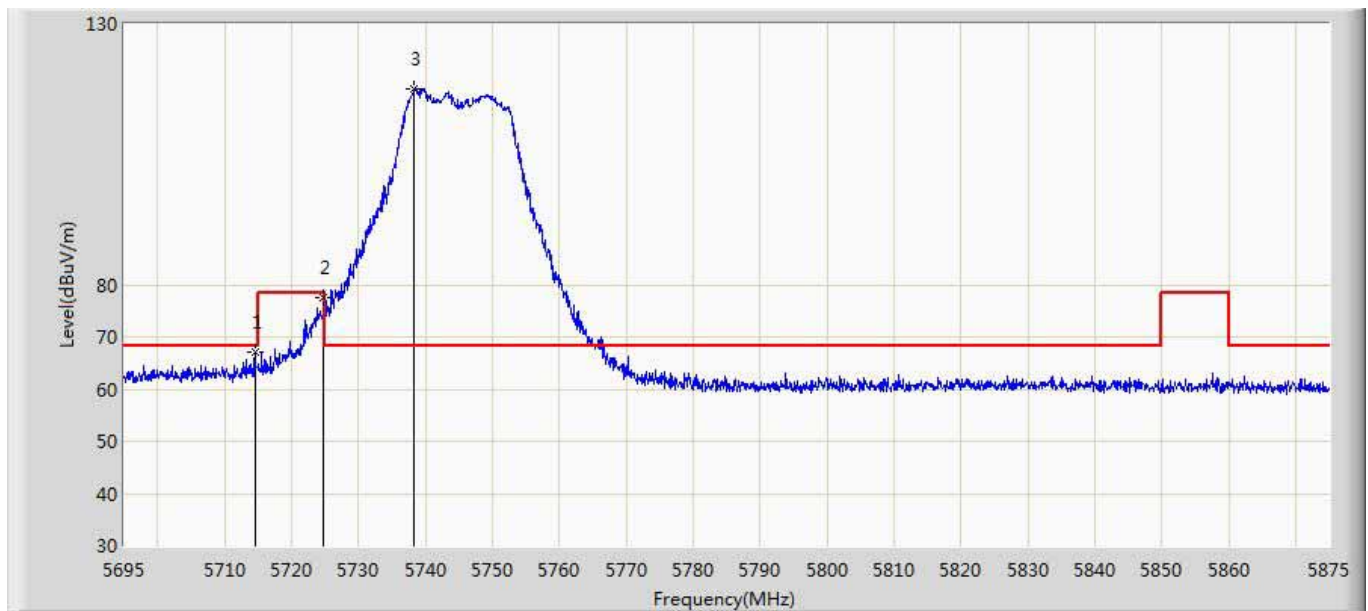
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.934	11.919	-0.066	54.000	42.015	AV
2	*	5200.560	99.662	57.631	45.662	54.000	42.032	AV

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:29
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5745 by 802.11a(20MHz)	



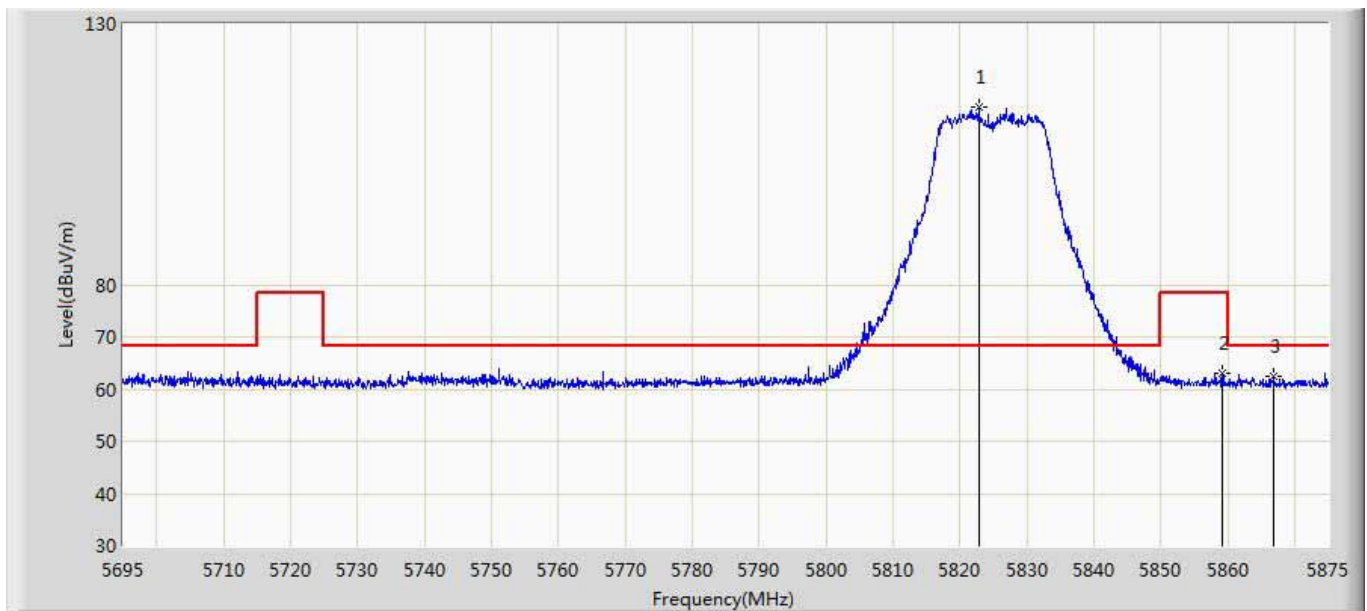
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.270	67.966	24.660	-0.334	68.300	43.306	PK
2		5722.720	78.281	35.007	-0.019	78.300	43.274	PK
3	*	5740.540	119.653	76.356	51.353	68.300	43.297	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:35
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5745 by 802.11a(20MHz)	



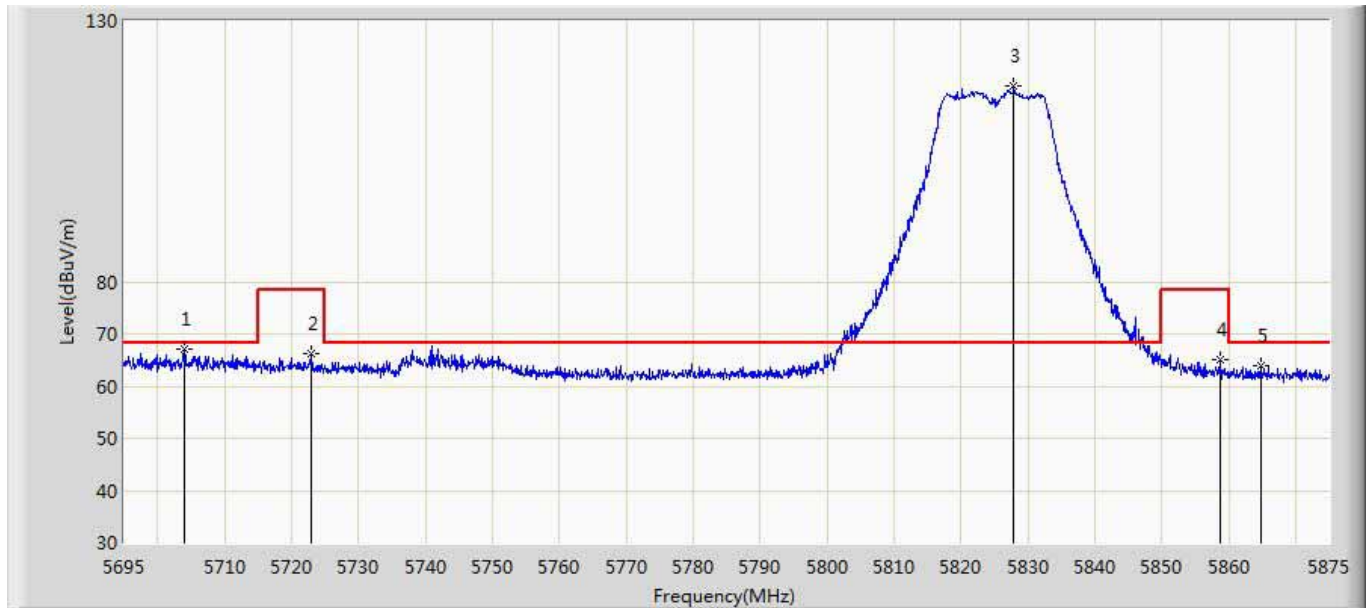
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.530	67.114	23.812	-1.186	68.300	43.301	PK
2		5724.790	77.422	34.155	-0.878	78.300	43.266	PK
3	*	5738.380	117.536	74.244	49.236	68.300	43.291	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:39
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5825 by 802.11a(20MHz)	



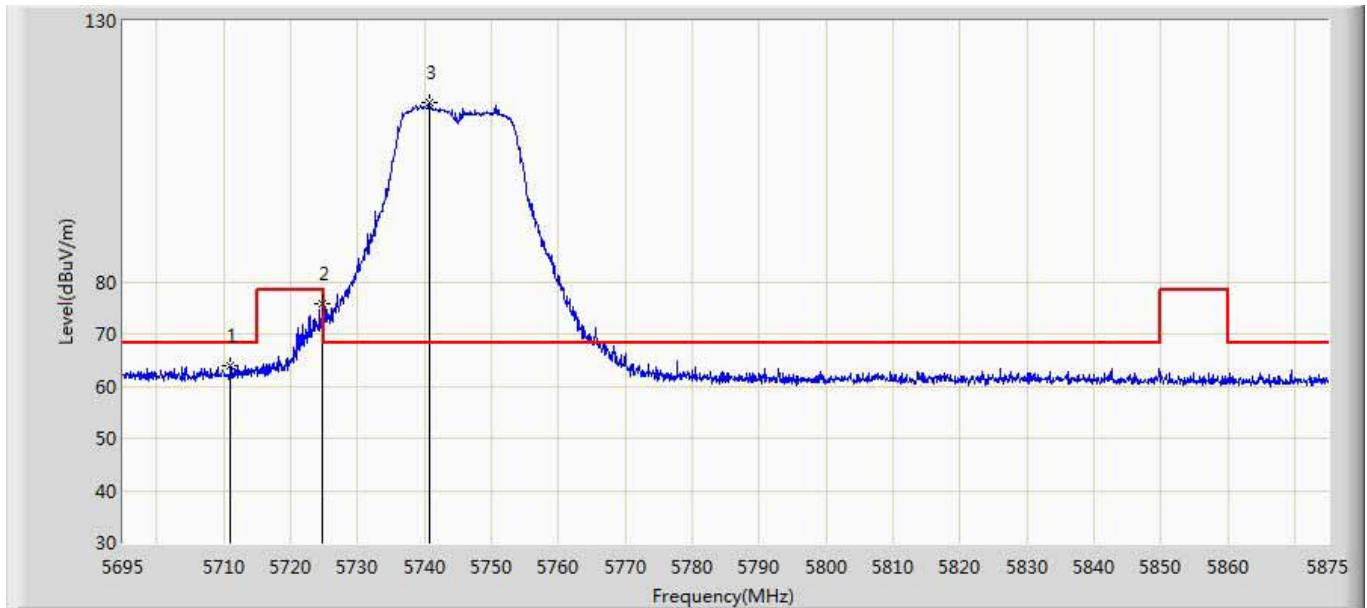
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5822.800	114.105	70.707	45.805	68.300	43.398	PK
2		5859.160	63.087	19.548	-15.213	78.300	43.539	PK
3		5866.990	62.557	18.980	-5.743	68.300	43.577	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:40
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5825 by 802.11a(20MHz)	



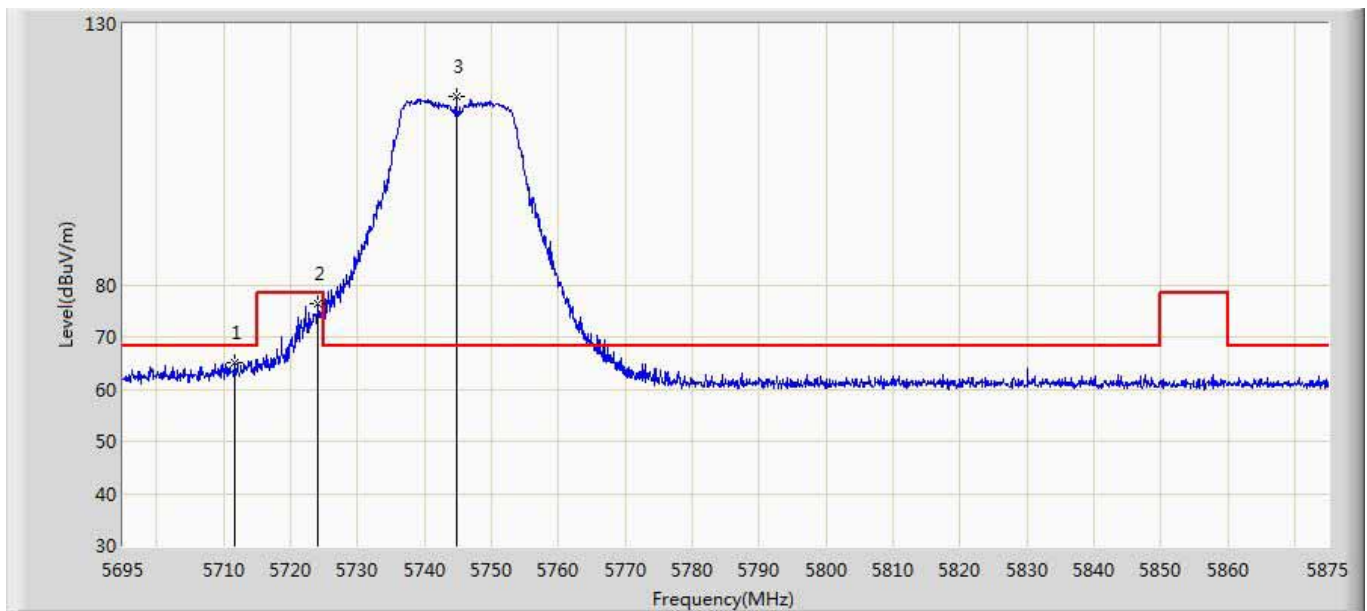
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5703.910	66.972	23.668	-1.328	68.300	43.305	PK
2		5722.900	66.362	23.089	-11.938	78.300	43.273	PK
3	*	5827.930	117.604	74.194	49.304	68.300	43.410	PK
4		5858.710	65.046	21.510	-13.254	78.300	43.536	PK
5		5864.740	63.953	20.383	-4.347	68.300	43.570	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:42
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5745 by 802.11n(20MHz)	



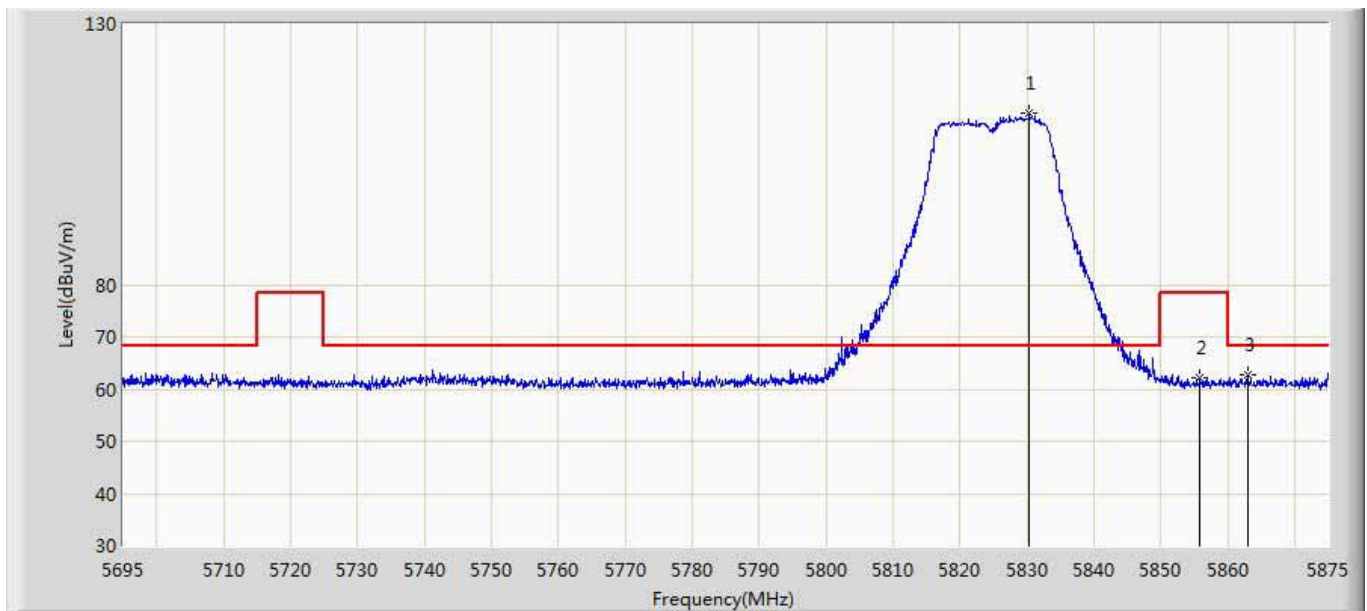
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5711.020	63.948	20.634	-4.352	68.300	43.314	PK
2		5724.880	75.795	32.529	-2.505	78.300	43.266	PK
3	*	5740.720	114.449	71.152	46.149	68.300	43.298	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:43
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5745 by 802.11n(20MHz)	



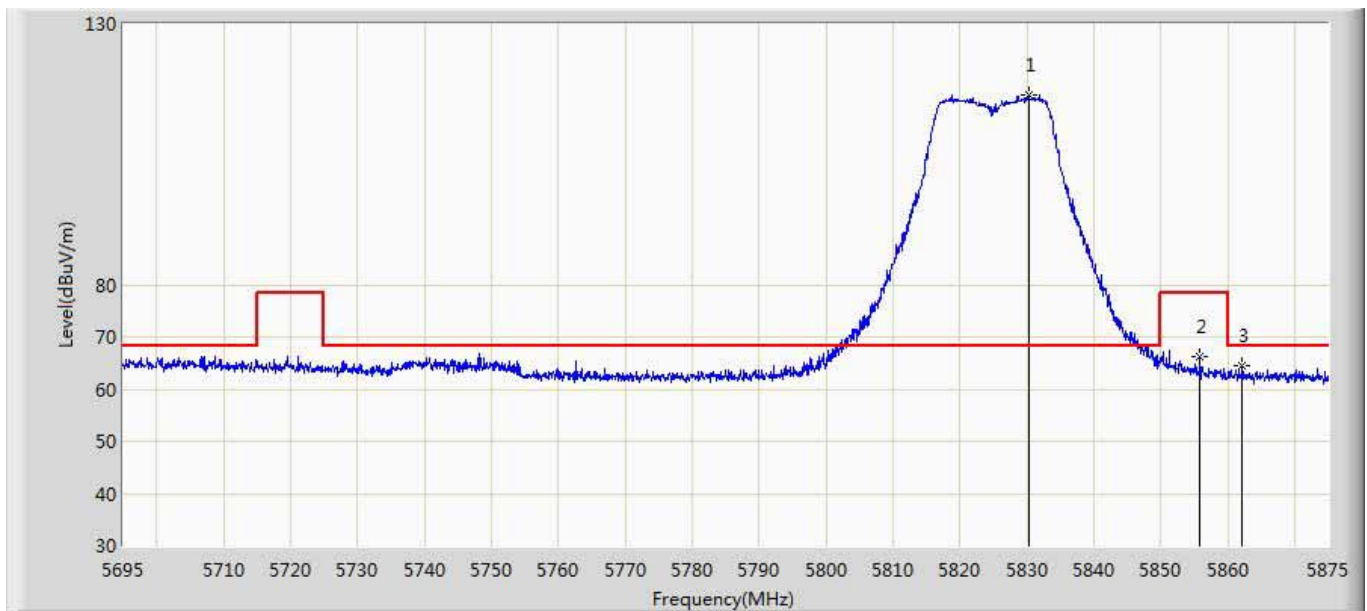
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5711.650	65.113	21.802	-3.187	68.300	43.312	PK
2		5724.070	76.258	32.989	-2.042	78.300	43.269	PK
3	*	5744.770	116.157	72.861	47.857	68.300	43.296	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:45
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5825 by 802.11n(20MHz)	



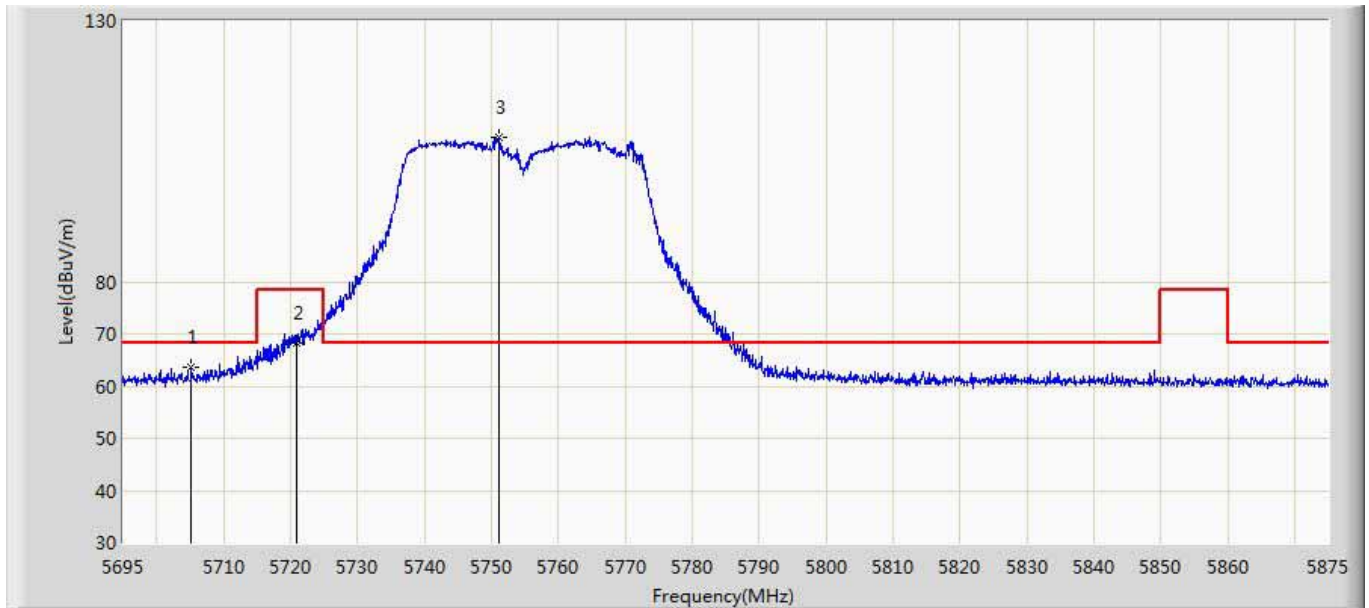
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5830.450	112.860	69.447	44.560	68.300	43.412	PK
2		5855.920	62.224	18.709	-16.076	78.300	43.514	PK
3		5862.940	62.797	19.233	-5.503	68.300	43.564	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:46
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5825 by 802.11n(20MHz)	



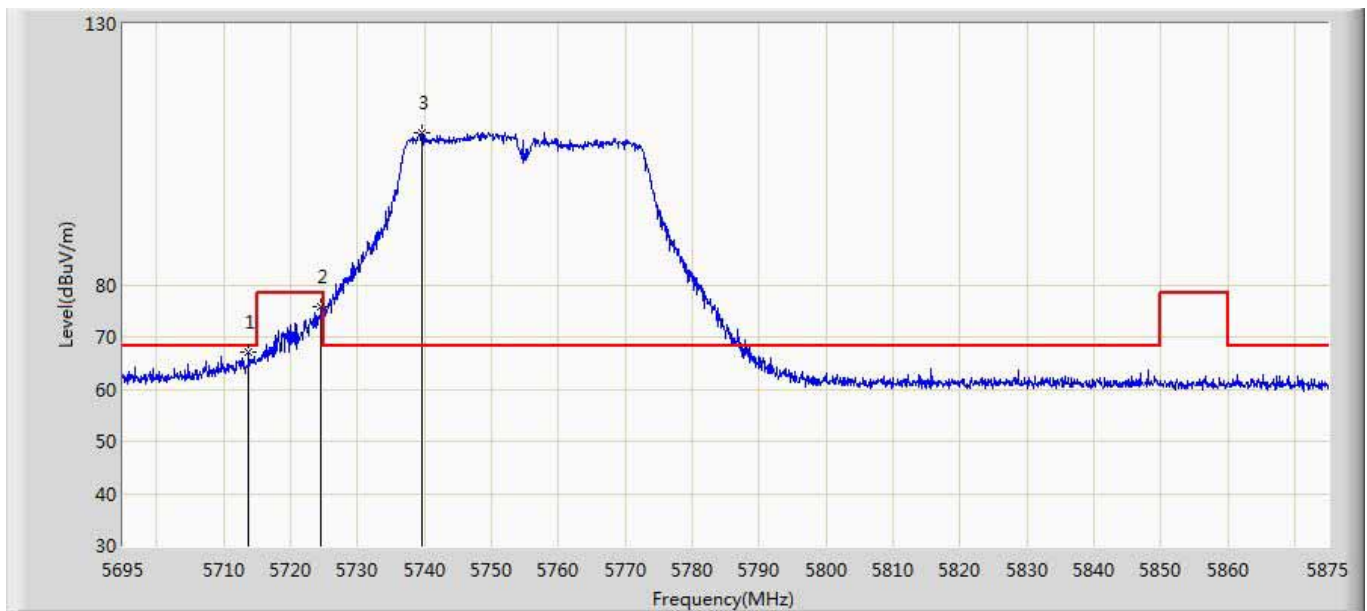
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5830.270	116.232	72.819	47.932	68.300	43.412	PK
2		5855.920	66.355	22.840	-11.945	78.300	43.514	PK
3		5862.220	64.517	20.955	-3.783	68.300	43.562	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:47
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5755 by 802.11n(40MHz)	



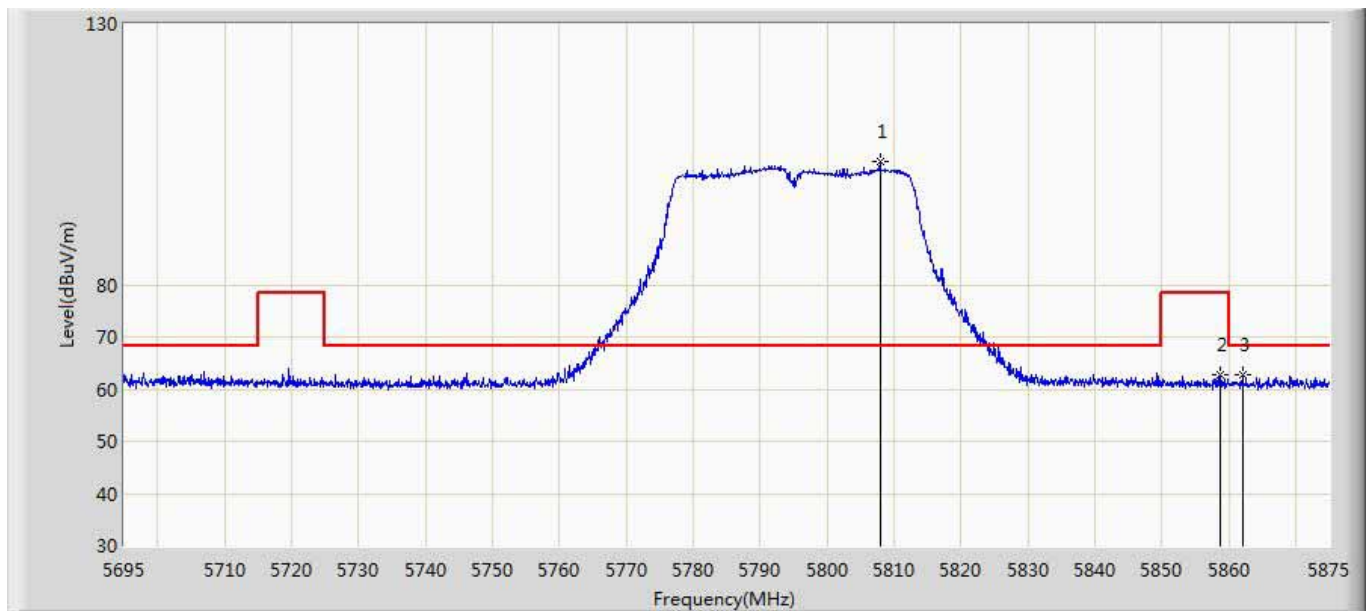
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5705.260	63.711	20.402	-4.589	68.300	43.309	PK
2		5720.830	68.245	24.965	-10.055	78.300	43.280	PK
3	*	5751.070	107.628	64.354	39.328	68.300	43.274	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:49
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5755 by 802.11n(40MHz)	



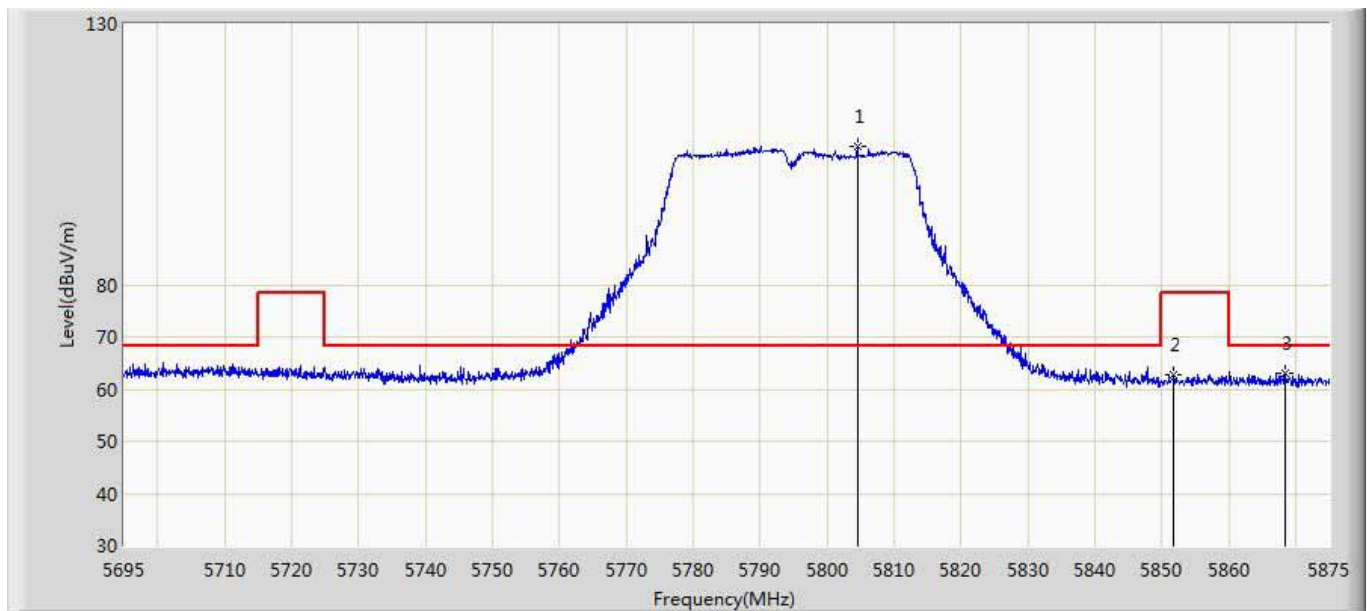
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.810	67.136	23.832	-1.164	68.300	43.305	PK
2		5724.610	75.804	32.537	-2.496	78.300	43.267	PK
3	*	5739.640	109.095	65.800	40.795	68.300	43.295	PK

Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:52
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5795 by 802.11n(40MHz)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5807.950	103.537	60.182	35.237	68.300	43.356	PK
2		5858.710	62.711	19.175	-15.589	78.300	43.536	PK
3		5862.040	62.744	19.183	-5.556	68.300	43.561	PK

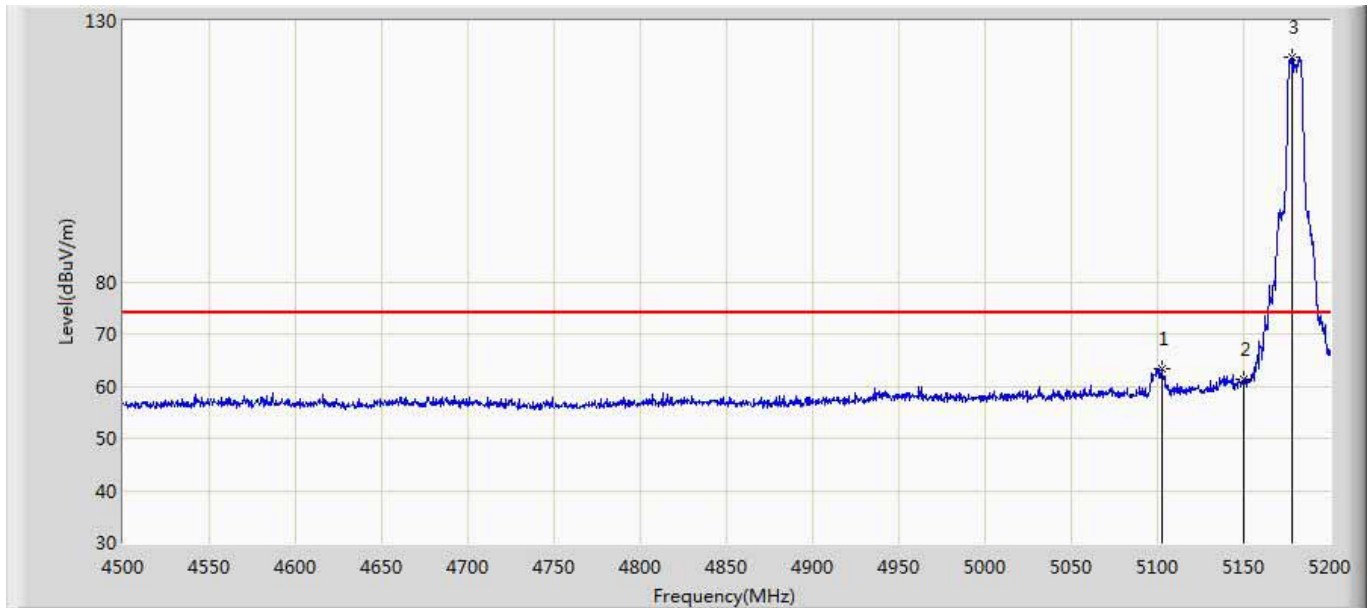
Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:53
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5795 by 802.11n(40MHz)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5804.530	106.515	63.176	38.215	68.300	43.338	PK
2		5851.870	62.864	19.380	-15.436	78.300	43.484	PK
3		5868.430	63.036	19.455	-5.264	68.300	43.581	PK

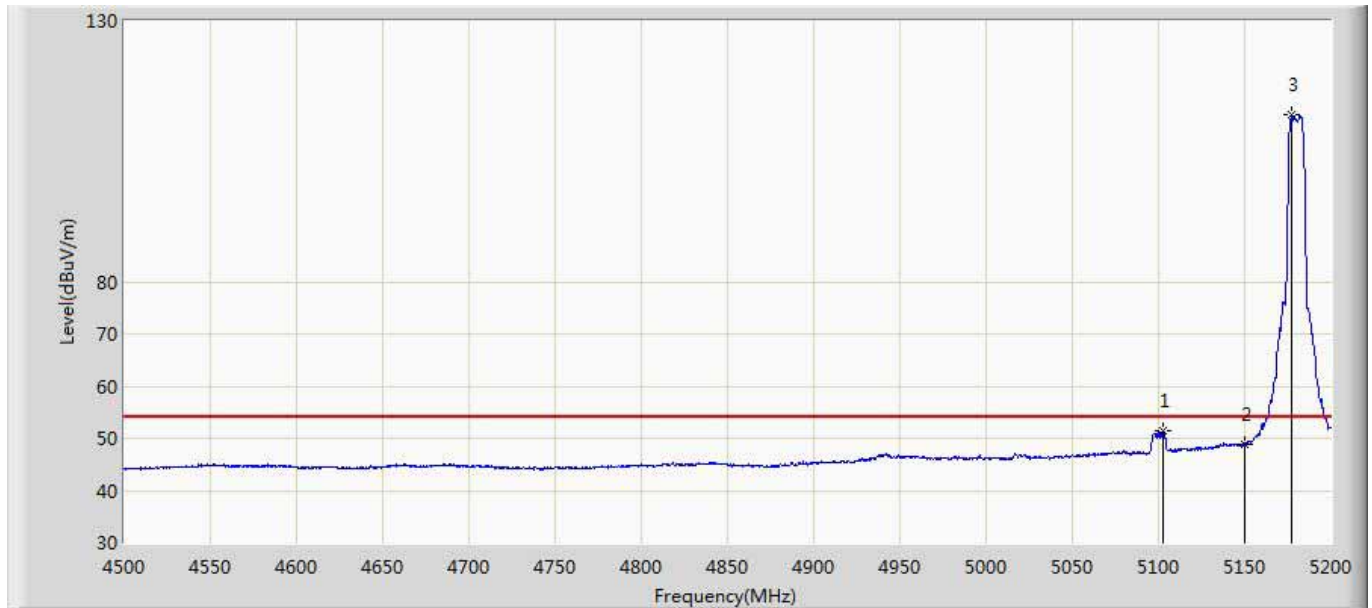
For Dipole Antenna

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 13:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5180 by 802.11a(10MHz)	



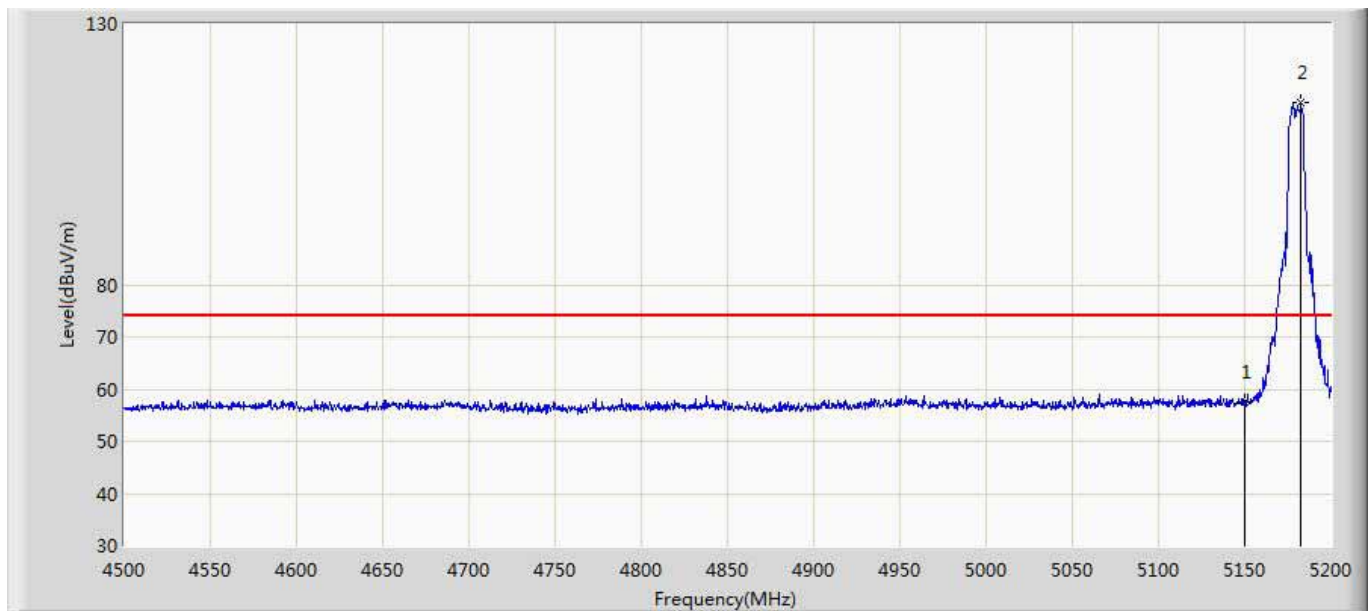
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5102.700	63.417	23.184	-10.583	74.000	40.233	PK
2		5150.000	61.276	20.781	-12.724	74.000	40.495	PK
3	*	5177.950	122.934	82.342	48.934	74.000	40.592	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 13:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5180 by 802.11a(10MHz)	



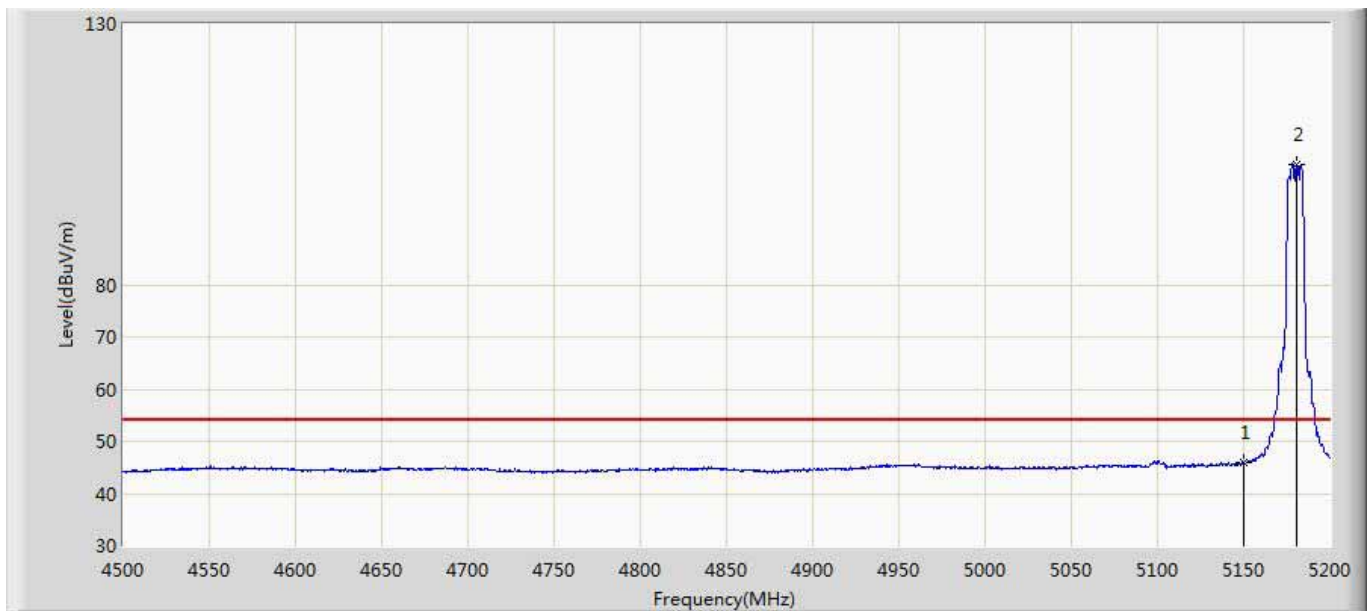
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5102.350	51.378	11.148	-2.622	54.000	40.229	AV
2		5150.000	48.929	8.434	-5.071	54.000	40.495	AV
3	*	5177.600	111.997	71.397	57.997	54.000	40.601	AV

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5180 by 802.11a(10MHz)	



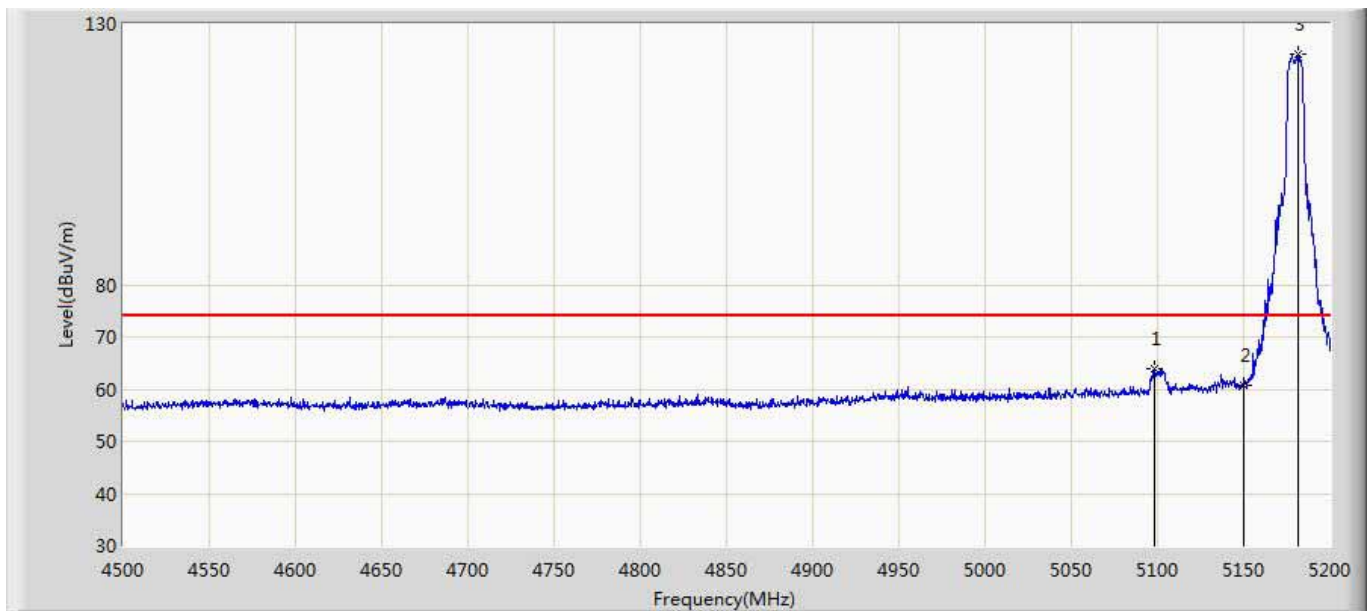
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.542	17.047	-16.458	74.000	40.495	PK
2	*	5182.850	114.814	74.332	40.814	74.000	40.482	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5180 by 802.11a(10MHz)	



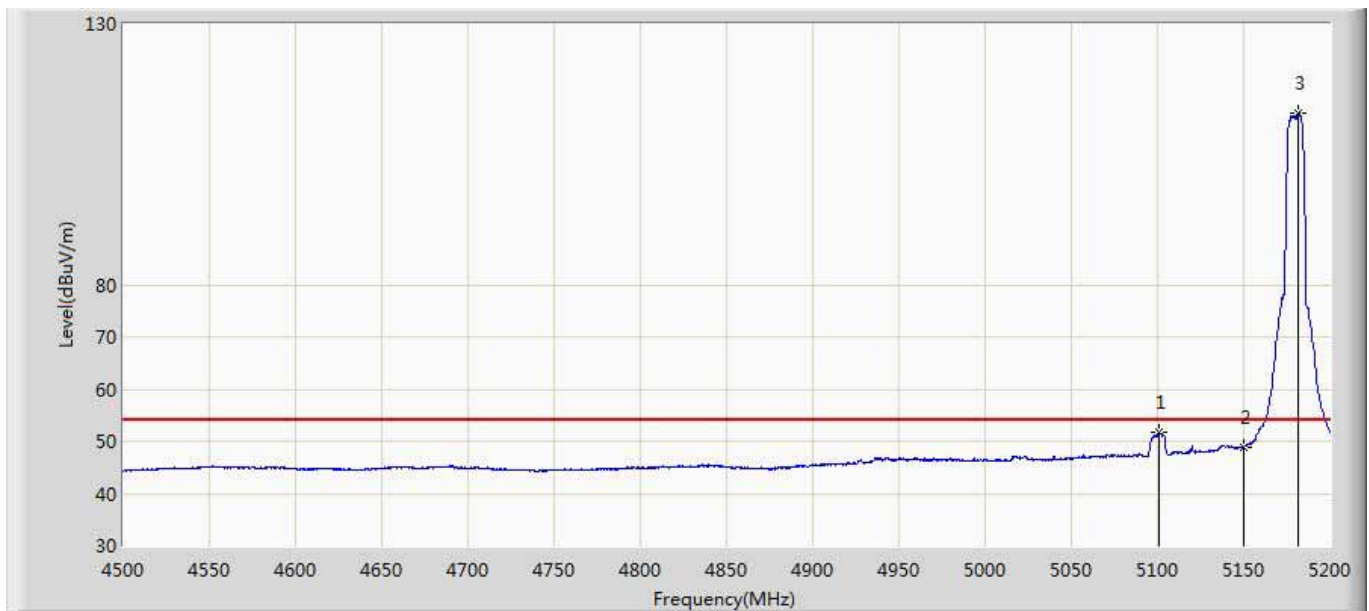
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.893	5.398	-8.107	54.000	40.495	AV
2	*	5180.750	103.140	62.617	49.140	54.000	40.523	AV

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode2: Transmit at CH5180 by 802.11n(10MHz)	



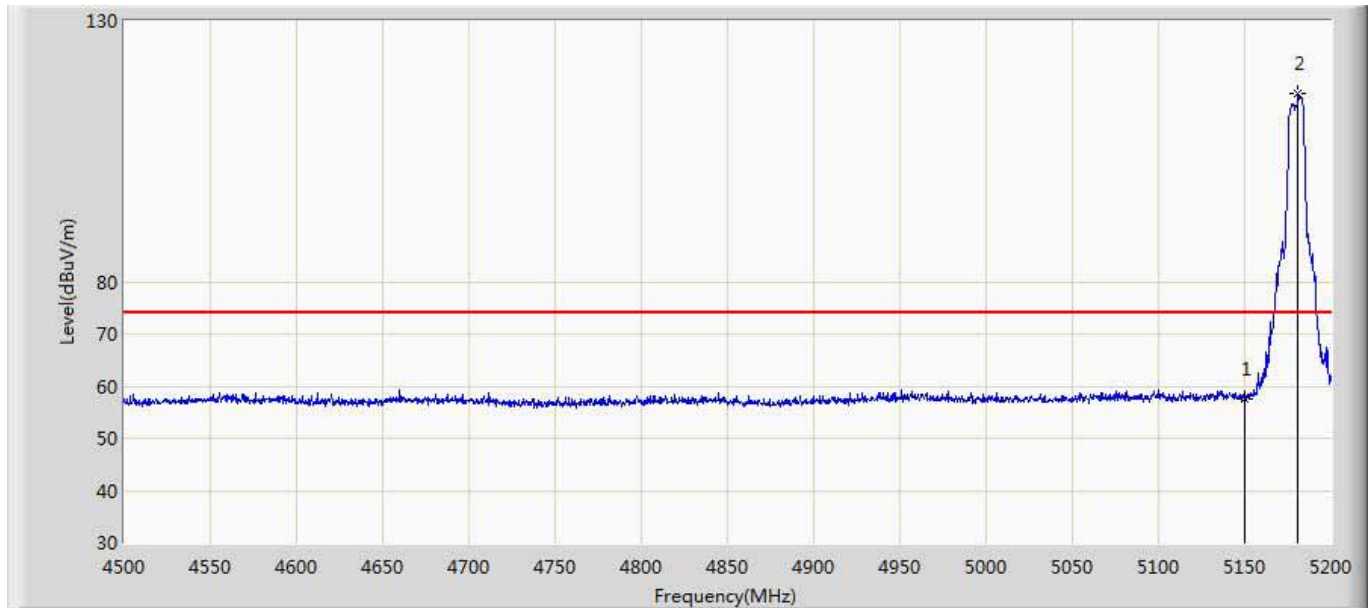
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5098.150	63.939	23.750	-10.061	74.000	40.189	PK
2		5150.000	60.681	20.186	-13.319	74.000	40.495	PK
3	*	5181.450	124.213	83.707	50.213	74.000	40.506	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode2: Transmit at CH5180 by 802.11n(10MHz)	



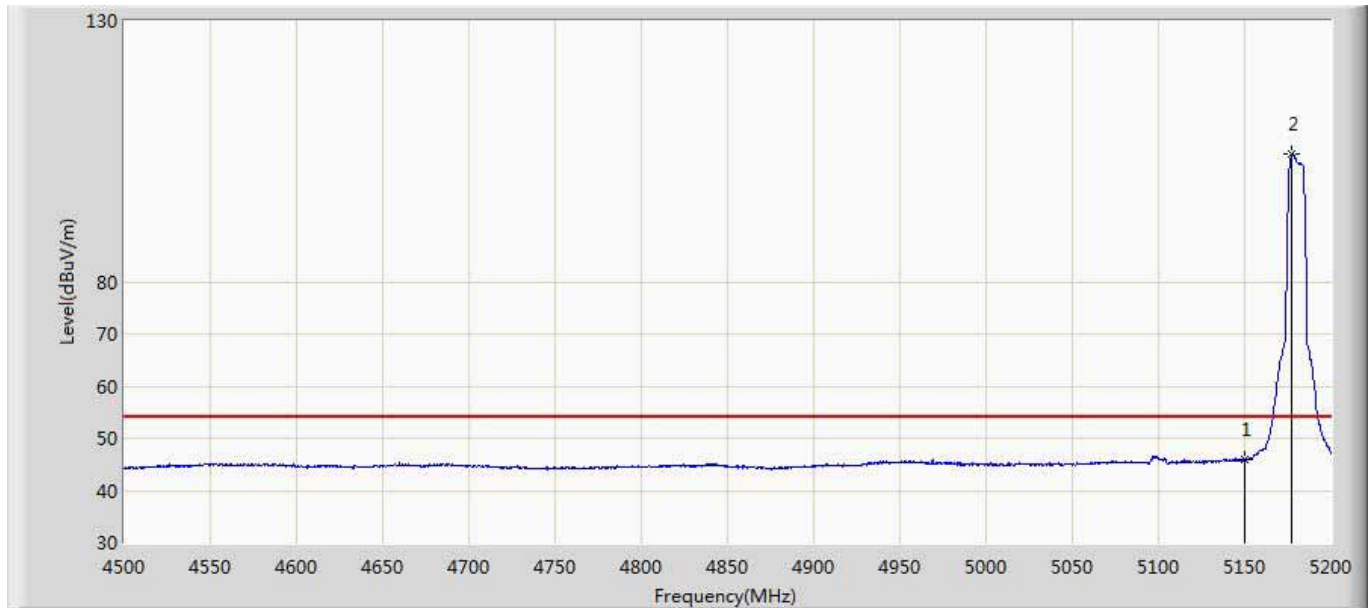
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5100.950	51.617	11.401	-2.383	54.000	40.216	AV
2		5150.000	48.808	8.313	-5.192	54.000	40.495	AV
3	*	5181.800	112.779	72.281	58.779	54.000	40.498	AV

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode2: Transmit at CH5180 by 802.11n(10MHz)	



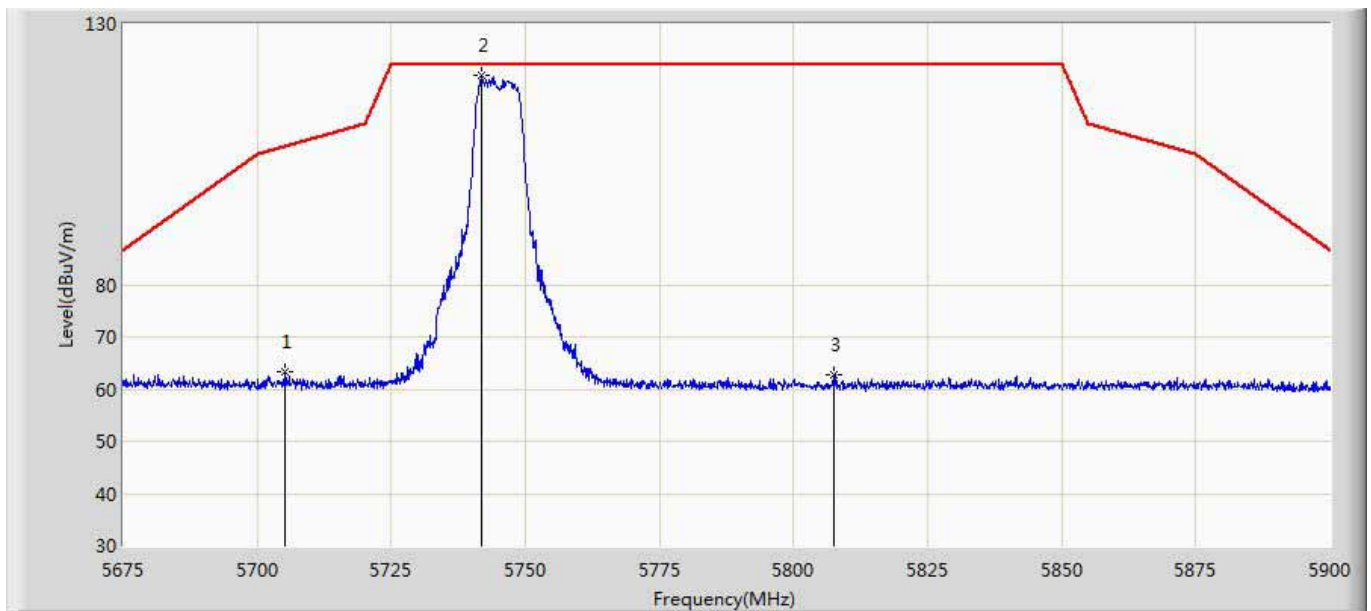
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.638	17.143	-16.362	74.000	40.495	PK
2	*	5181.100	116.172	75.657	42.172	74.000	40.515	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode2: Transmit at CH5180 by 802.11n(10MHz)	



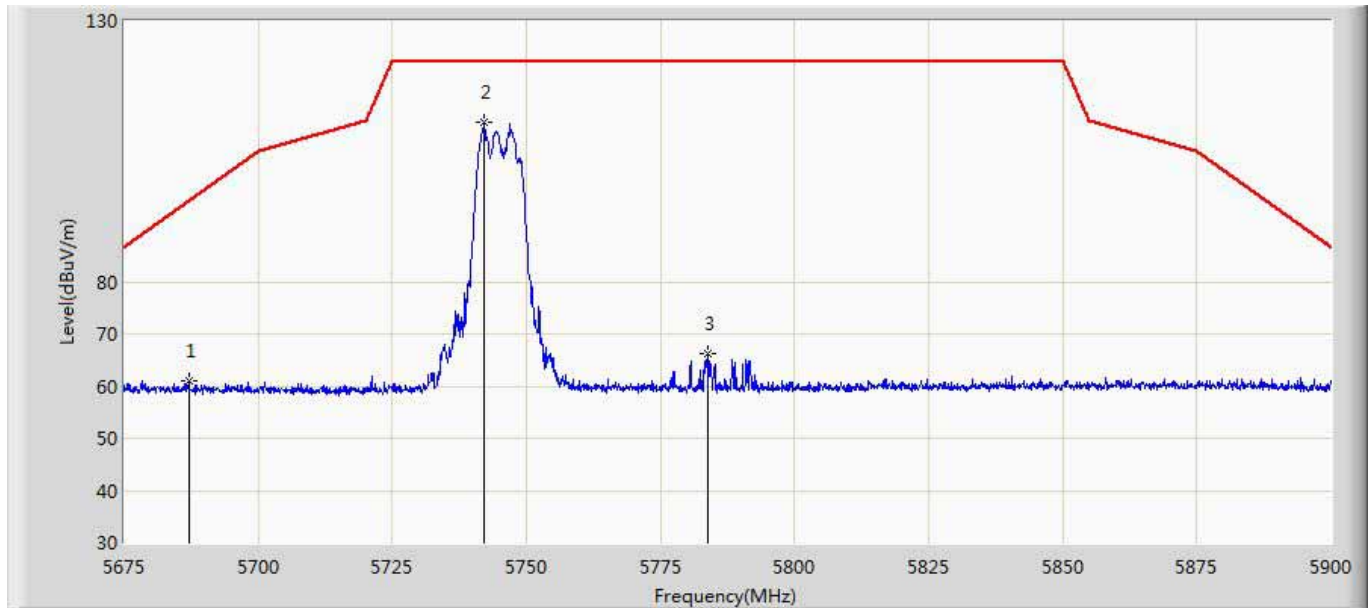
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.853	5.358	-8.147	54.000	40.495	AV
2	*	5177.600	104.415	63.815	50.415	54.000	40.601	AV

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:17
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5745 by 802.11a(10MHz)	



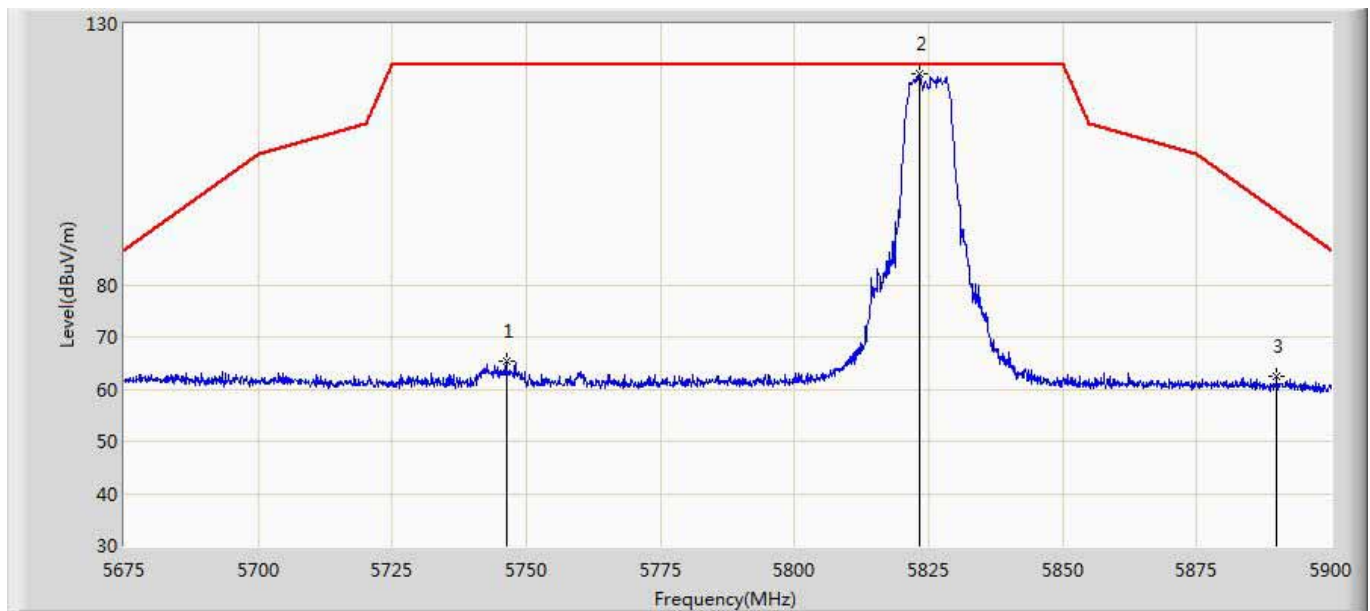
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5705.038	63.255	21.659	-43.355	106.611	41.596	PK
2	*	5741.937	120.199	78.322	-2.001	122.200	41.876	PK
3		5807.413	62.794	21.009	-59.406	122.200	41.785	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:19
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5745 by 802.11a(10MHz)	



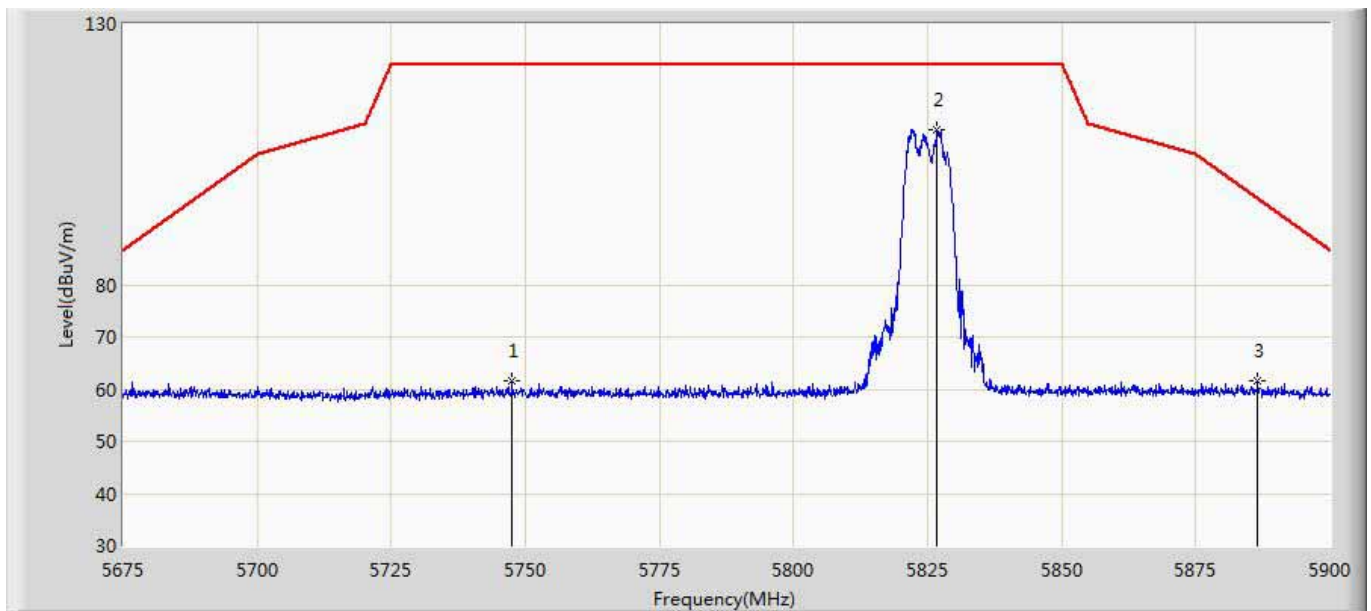
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5687.038	61.146	19.450	-34.462	95.608	41.696	PK
2	*	5742.163	110.502	68.623	-11.698	122.200	41.879	PK
3		5783.788	66.103	24.349	-56.097	122.200	41.754	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:20
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5825 by 802.11a(10MHz)	



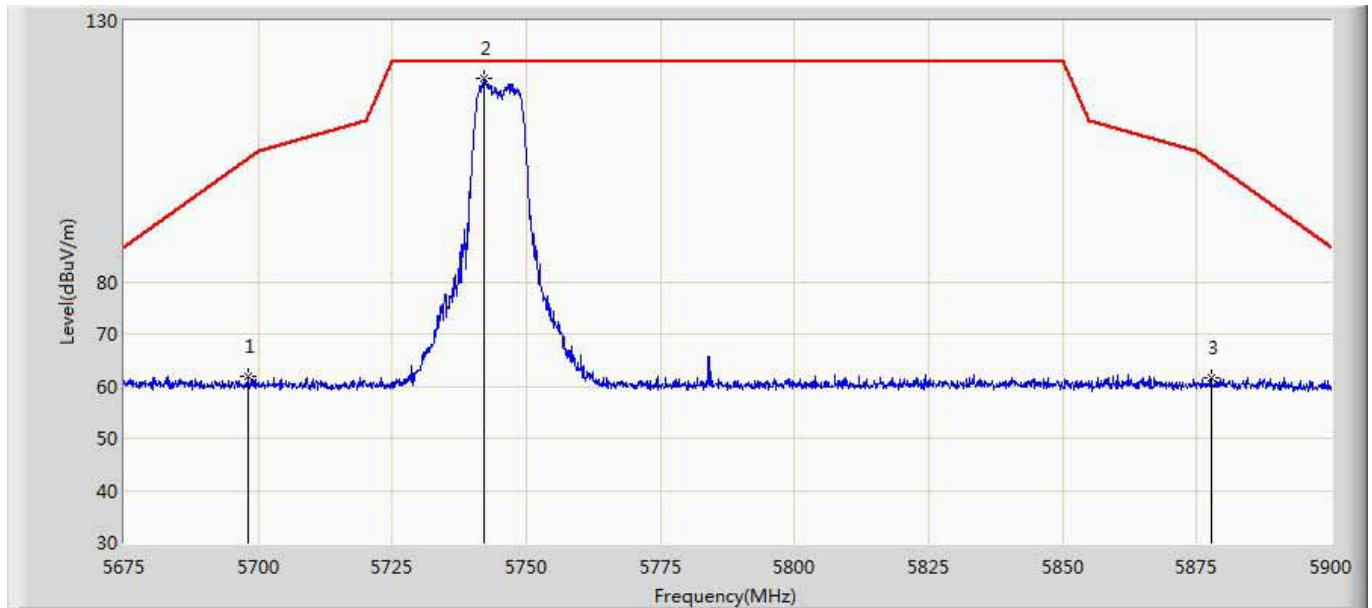
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5746.325	65.328	23.430	-56.872	122.200	41.898	PK
2	*	5823.275	120.460	78.506	-1.740	122.200	41.954	PK
3		5889.875	62.473	20.204	-31.719	94.193	42.270	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:22
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode1: Transmit at CH5825 by 802.11a(10MHz)	



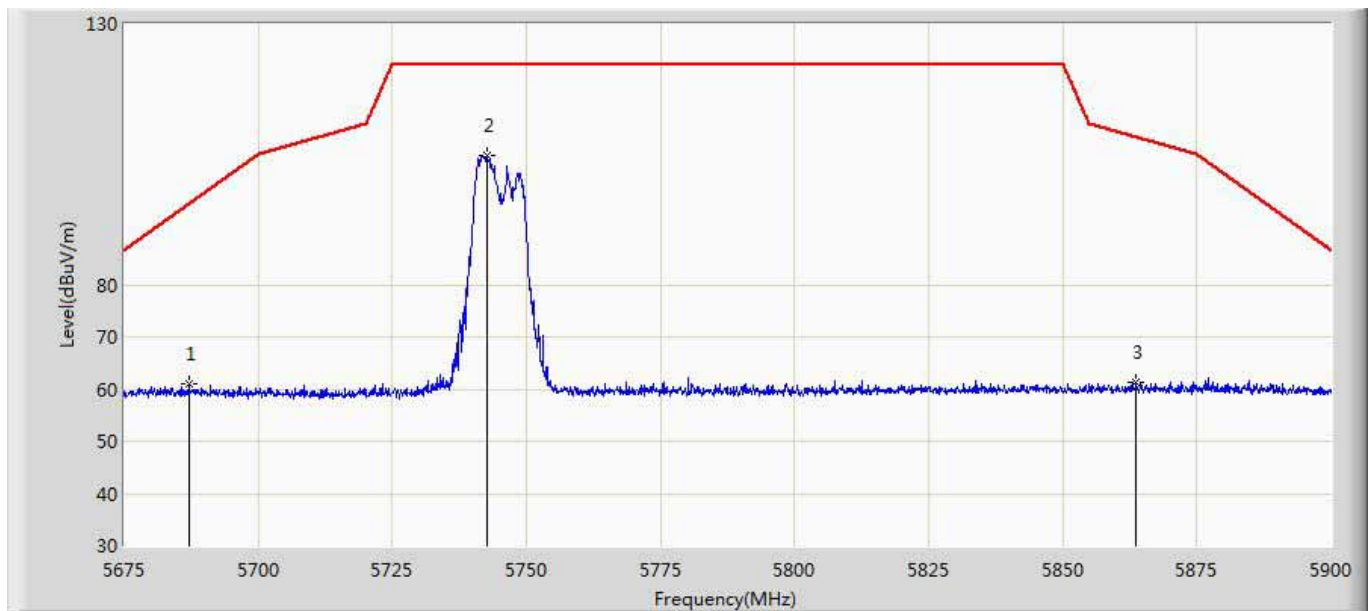
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5747.450	61.727	19.825	-60.473	122.200	41.902	PK
2	*	5826.763	109.707	67.709	-12.493	122.200	41.998	PK
3		5886.500	61.479	19.118	-35.211	96.690	42.361	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:23
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode2: Transmit at CH5745 by 802.11n(10MHz)	



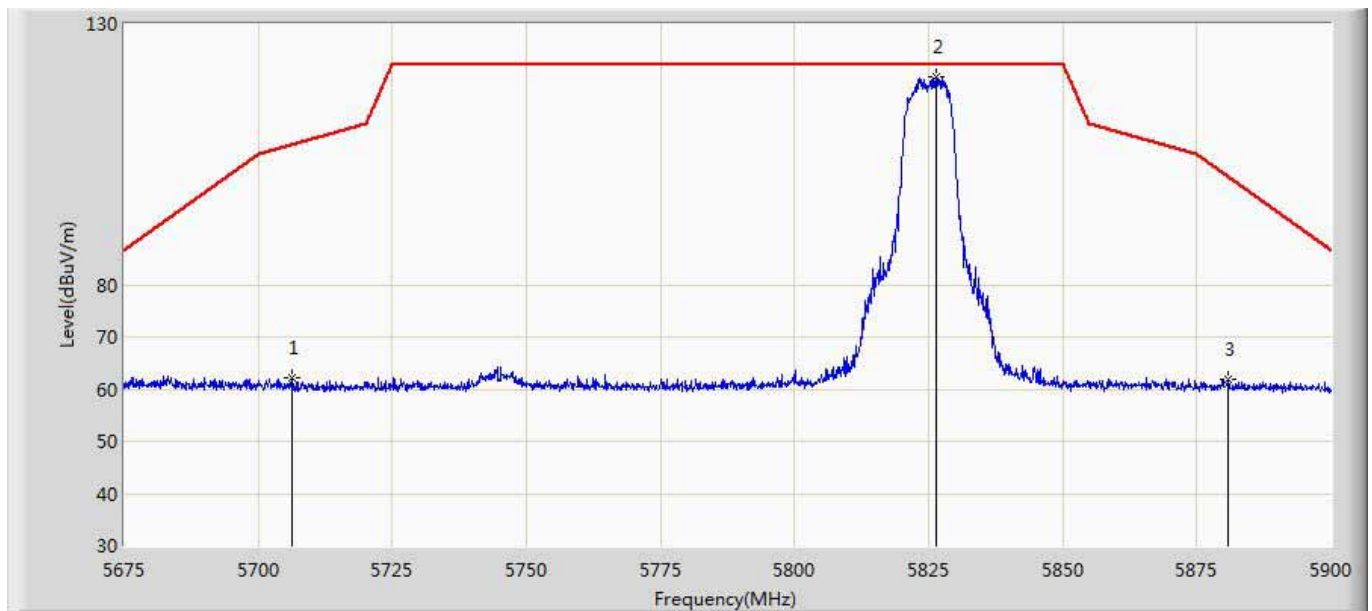
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5698.062	62.003	20.327	-41.763	103.766	41.676	PK
2	*	5742.050	118.972	77.094	-3.228	122.200	41.878	PK
3		5877.612	61.711	19.156	-41.556	103.267	42.555	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:24
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode2: Transmit at CH5745 by 802.11n(10MHz)	



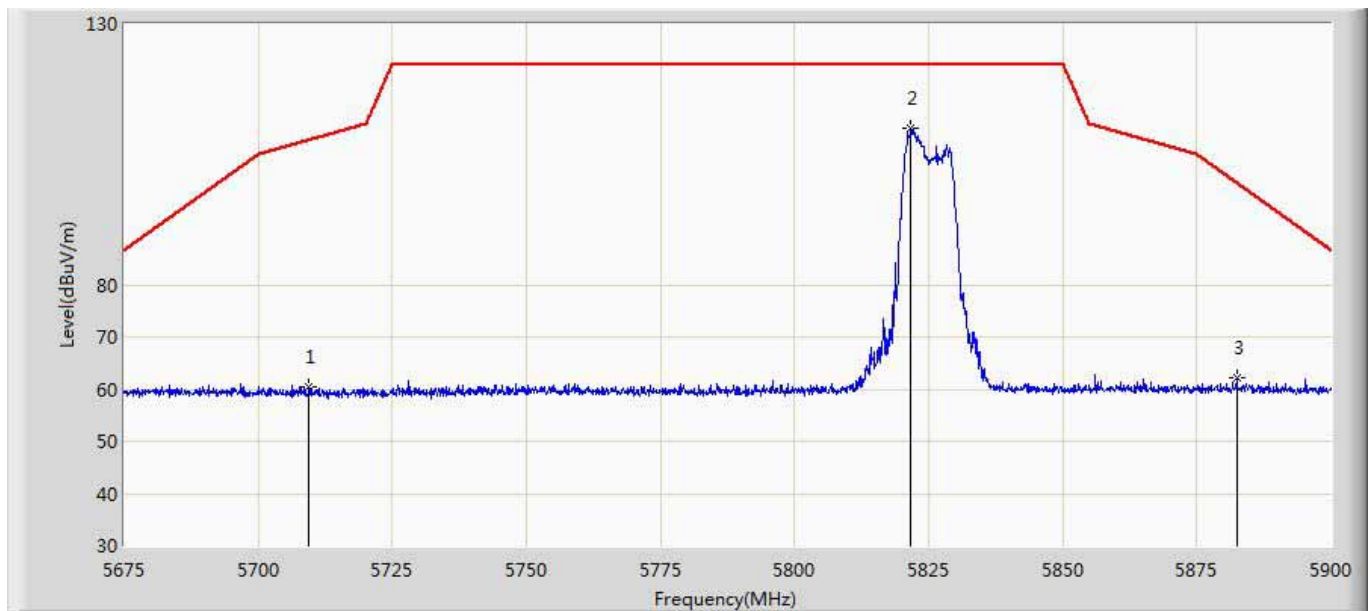
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5687.038	60.994	19.298	-34.614	95.608	41.696	PK
2	*	5742.725	104.827	62.943	-17.373	122.200	41.884	PK
3		5863.663	61.336	18.890	-47.038	108.374	42.446	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:25
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode2: Transmit at CH5825 by 802.11n(10MHz)	



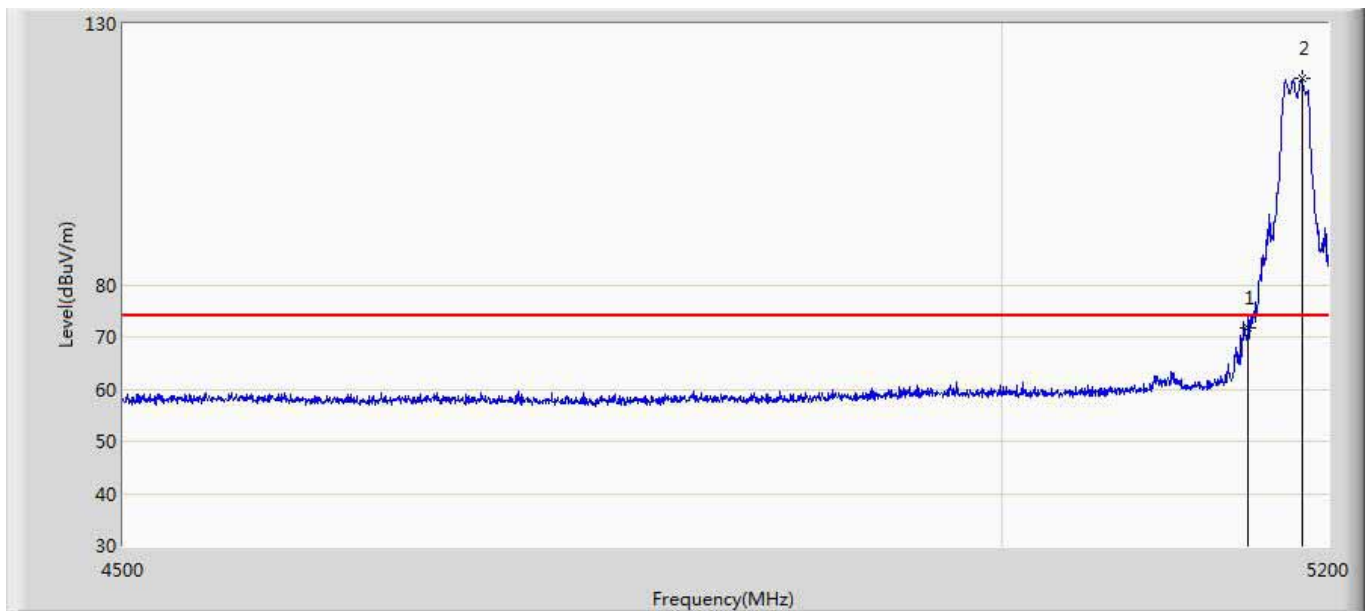
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5706.163	62.220	20.637	-44.705	106.926	41.583	PK
2	*	5826.425	119.987	77.993	-2.213	122.200	41.994	PK
3		5880.875	61.946	19.432	-38.906	100.853	42.515	PK

Engineer: Frank	
Site: AC5	Time: 2016/07/17 - 14:27
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode2: Transmit at CH5825 by 802.11n(10MHz)	



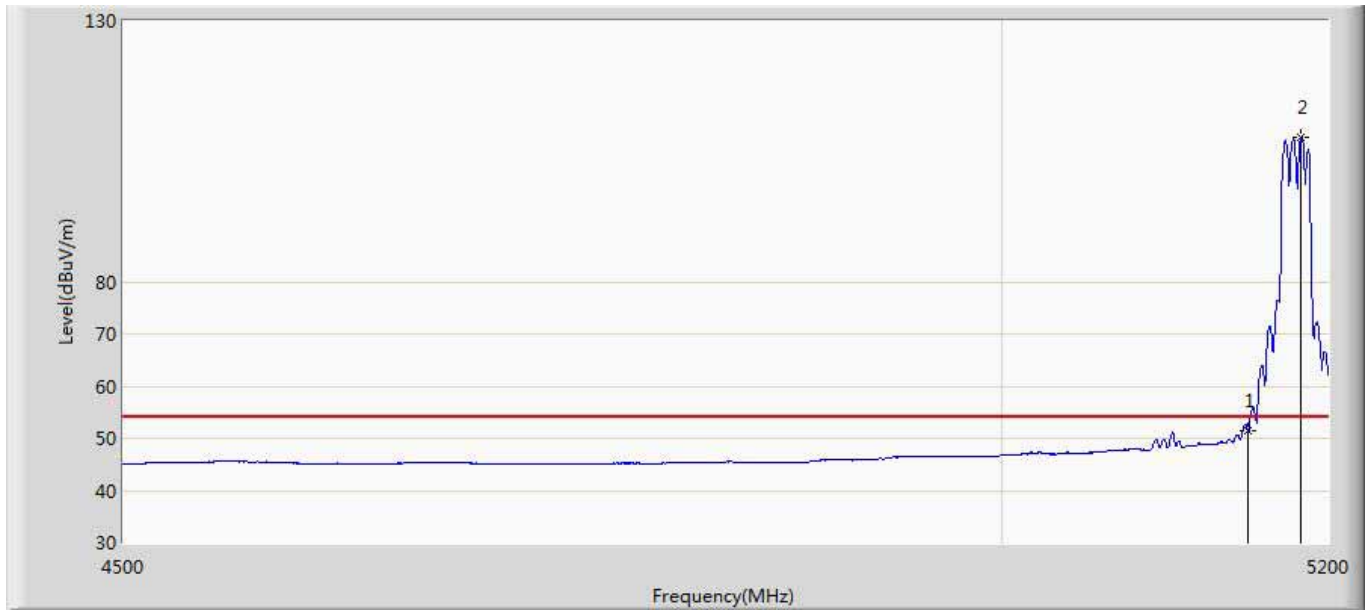
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5709.538	60.491	18.934	-47.380	107.871	41.557	PK
2	*	5821.700	109.993	68.059	-12.207	122.200	41.934	PK
3		5882.450	62.299	19.827	-37.388	99.687	42.472	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 10:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5180 by 802.11a(20MHz)	



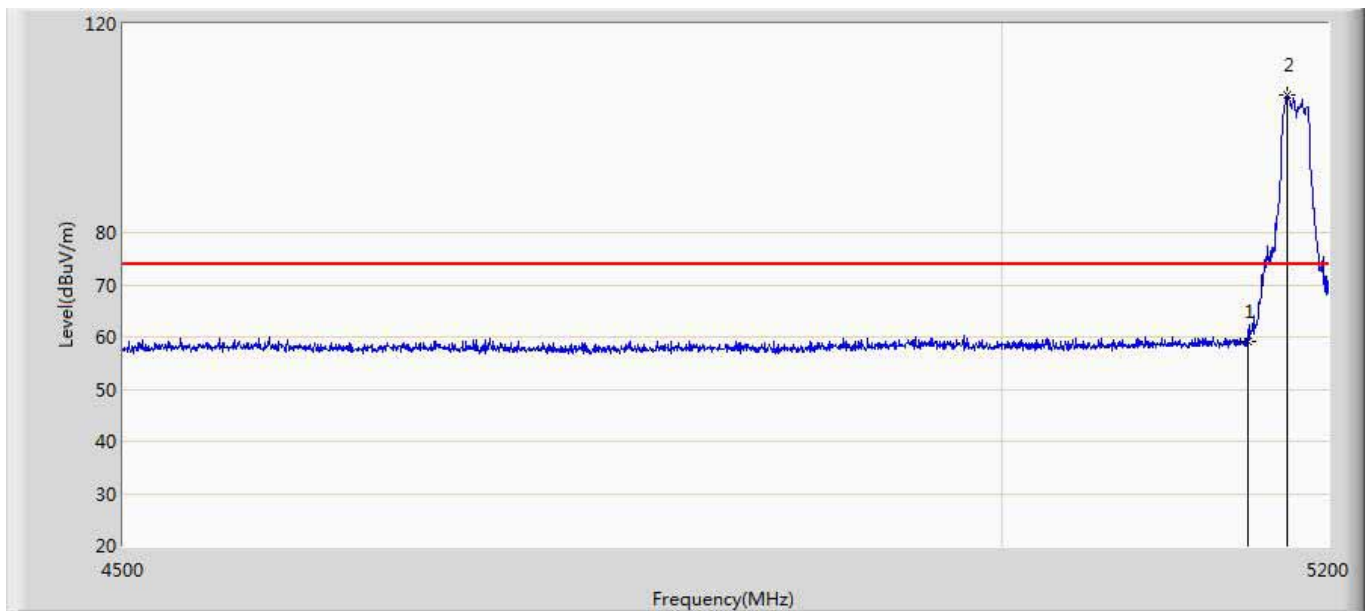
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	71.607	29.592	-2.393	74.000	42.015	PK
2	*	5183.550	119.475	77.340	45.475	74.000	42.136	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 10:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5180 by 802.11a(20MHz)	



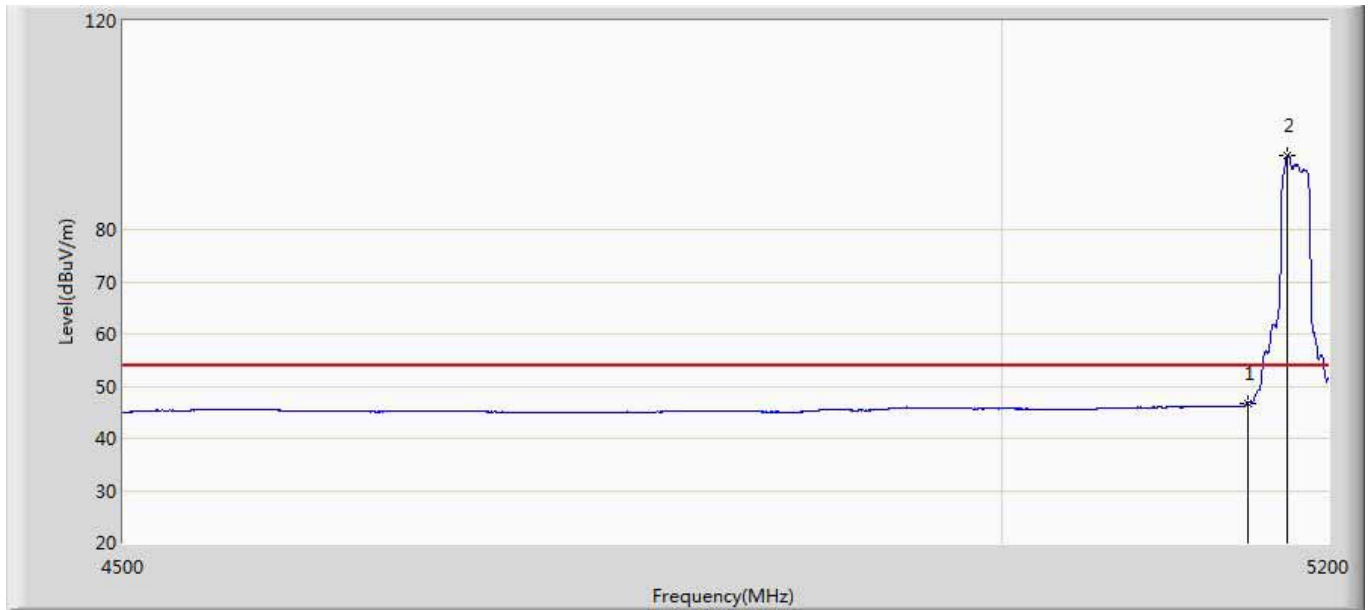
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	51.547	9.532	-2.453	54.000	42.015	AV
2	*	5183.200	107.679	65.541	53.679	54.000	42.137	AV

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 10:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5180 by 802.11a(20MHz)	



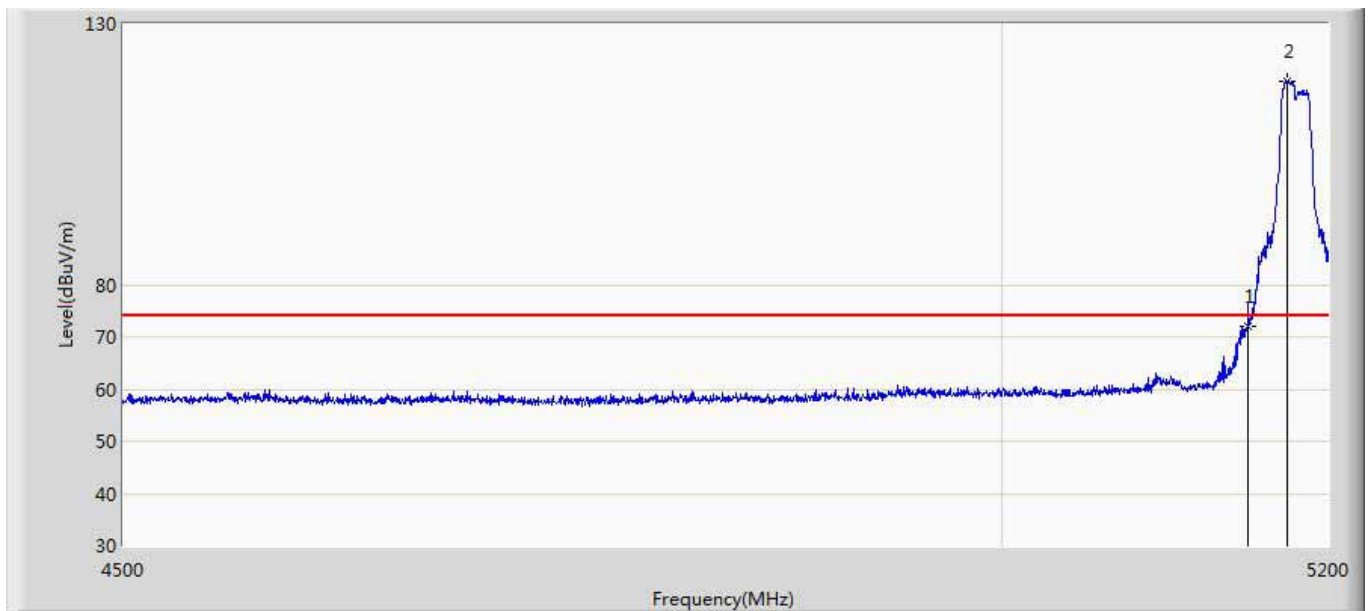
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	58.997	16.982	-15.003	74.000	42.015	PK
2	*	5174.450	106.336	64.191	32.336	74.000	42.145	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 10:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5180 by 802.11a(20MHz)	



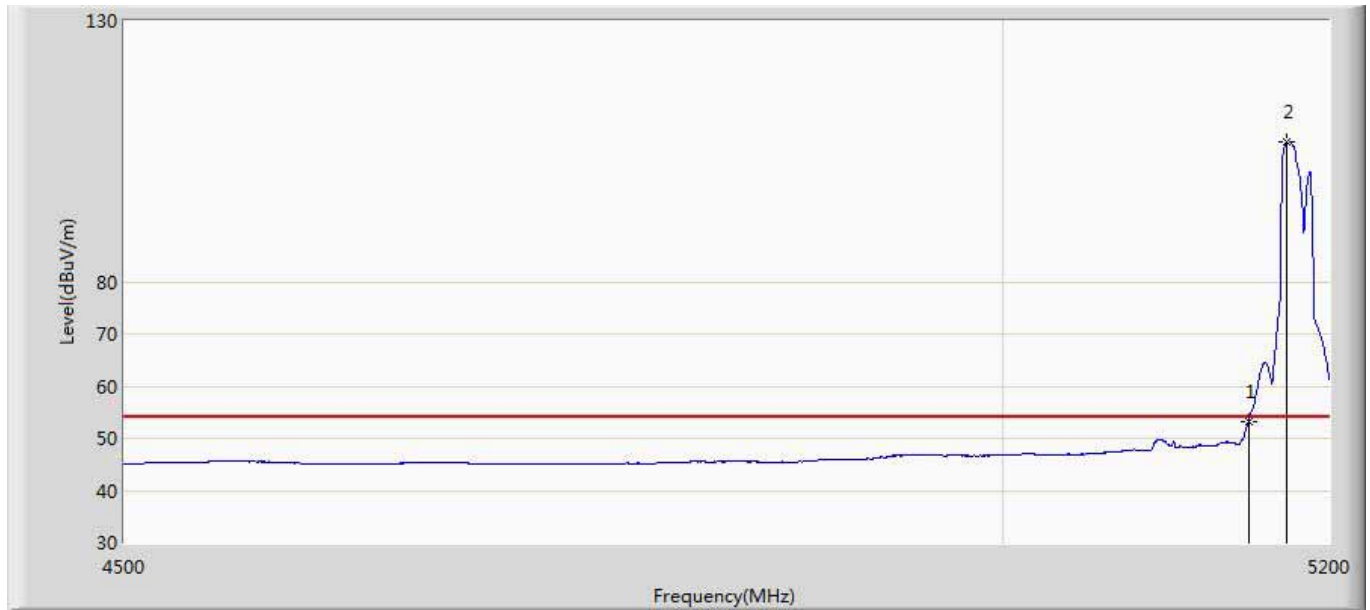
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	46.768	4.753	-7.232	54.000	42.015	AV
2	*	5174.800	94.293	52.148	40.293	54.000	42.146	AV

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 10:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5180 by 802.11n(20MHz)	



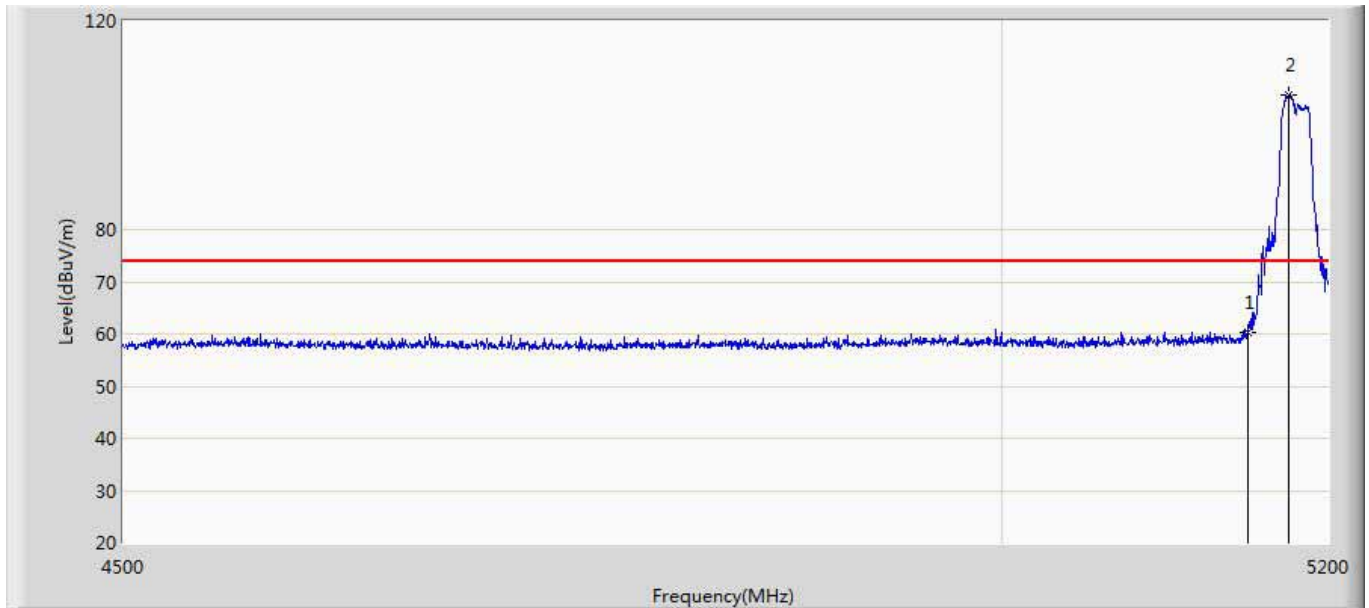
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	72.172	30.157	-1.828	74.000	42.015	PK
2	*	5174.800	119.124	76.979	45.124	74.000	42.146	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 10:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5180 by 802.11n(20MHz)	



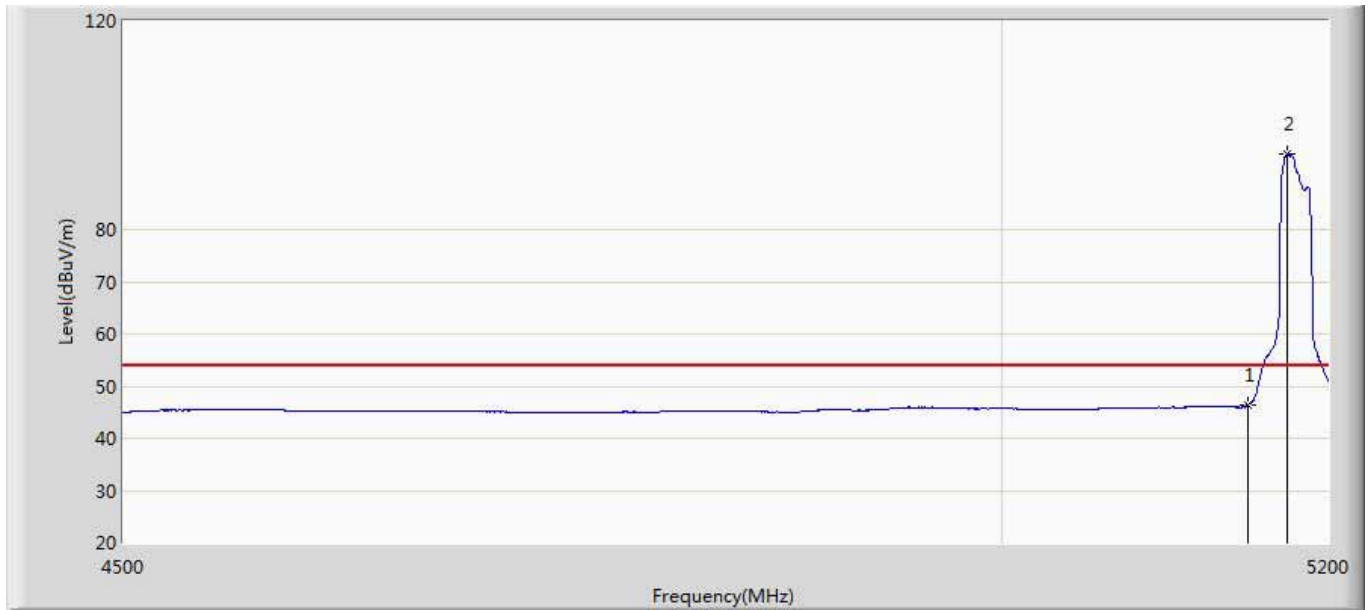
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.227	11.212	-0.773	54.000	42.015	AV
2	*	5173.750	106.873	64.728	52.873	54.000	42.146	AV

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 11:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5180 by 802.11n(20MHz)	



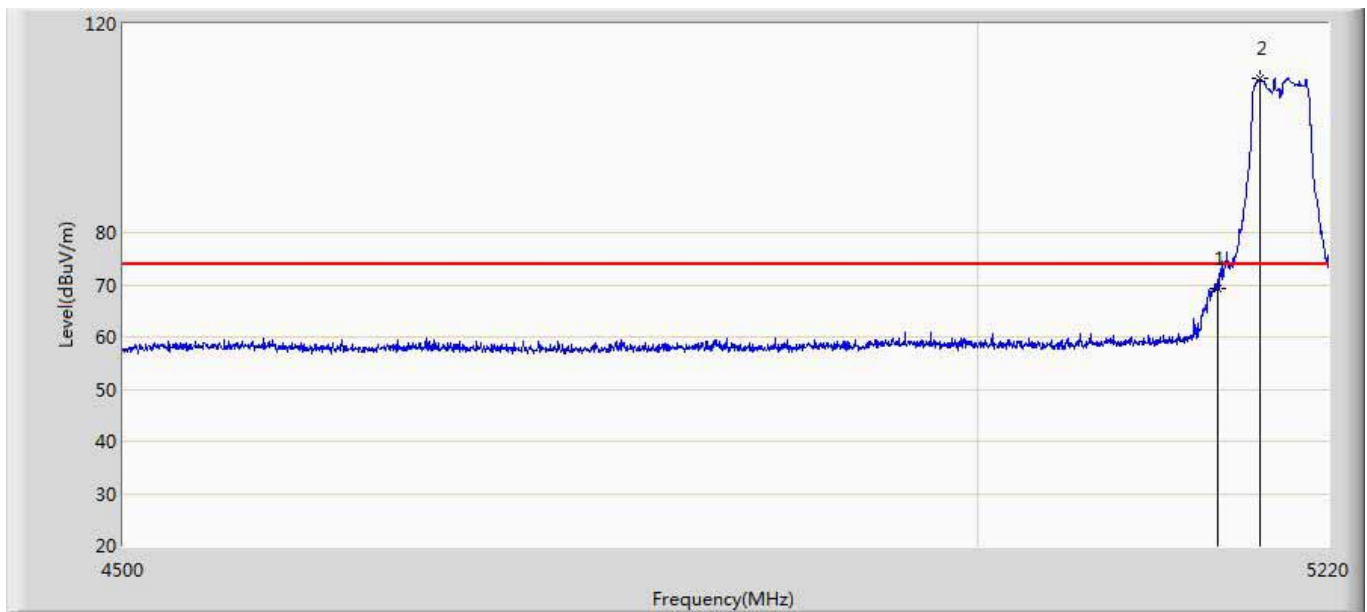
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	60.155	18.140	-13.845	74.000	42.015	PK
2	*	5175.500	105.878	63.733	31.878	74.000	42.145	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 11:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5180 by 802.11n(20MHz)	



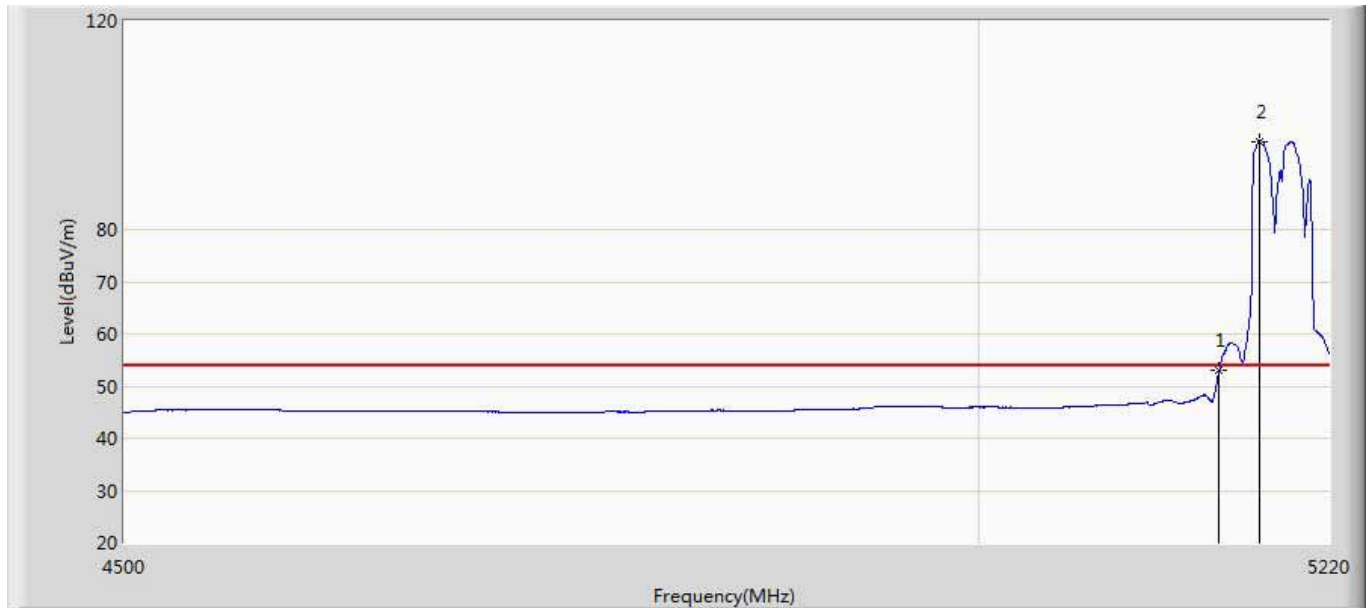
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	46.394	4.379	-7.606	54.000	42.015	AV
2	*	5174.800	94.407	52.262	40.407	54.000	42.146	AV

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 11:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5190 by 802.11n(40MHz)	



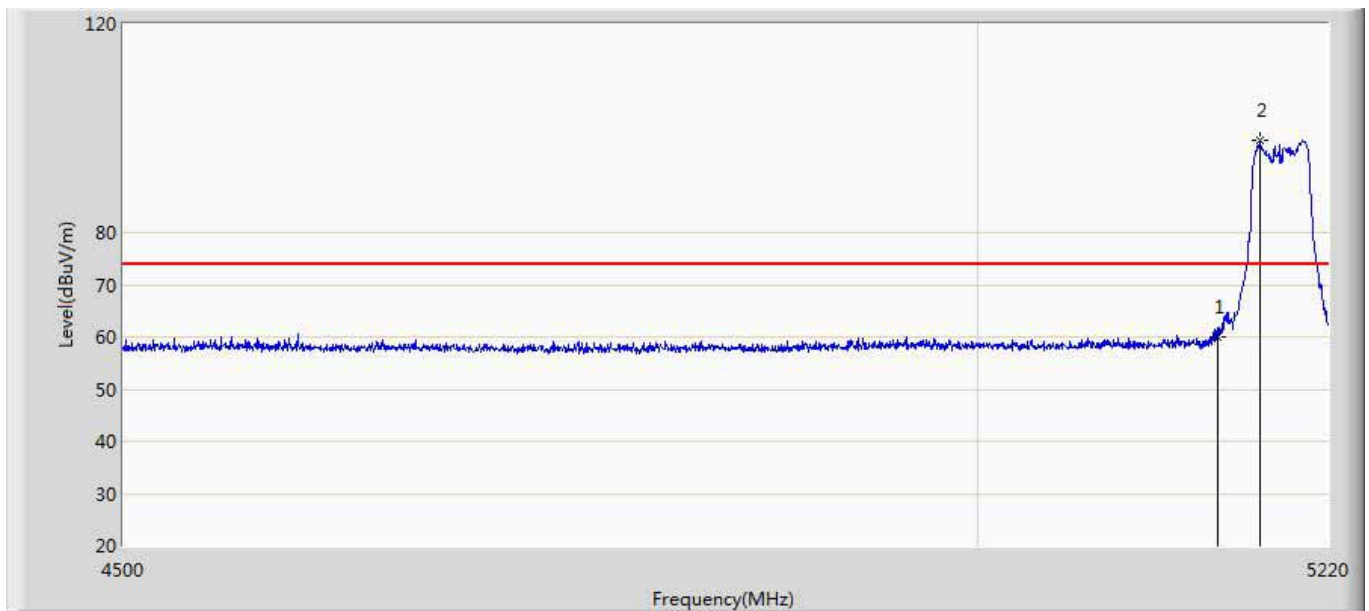
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	69.313	27.298	-4.687	74.000	42.015	PK
2	*	5176.080	109.460	67.315	35.460	74.000	42.145	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 11:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5190 by 802.11n(40MHz)	



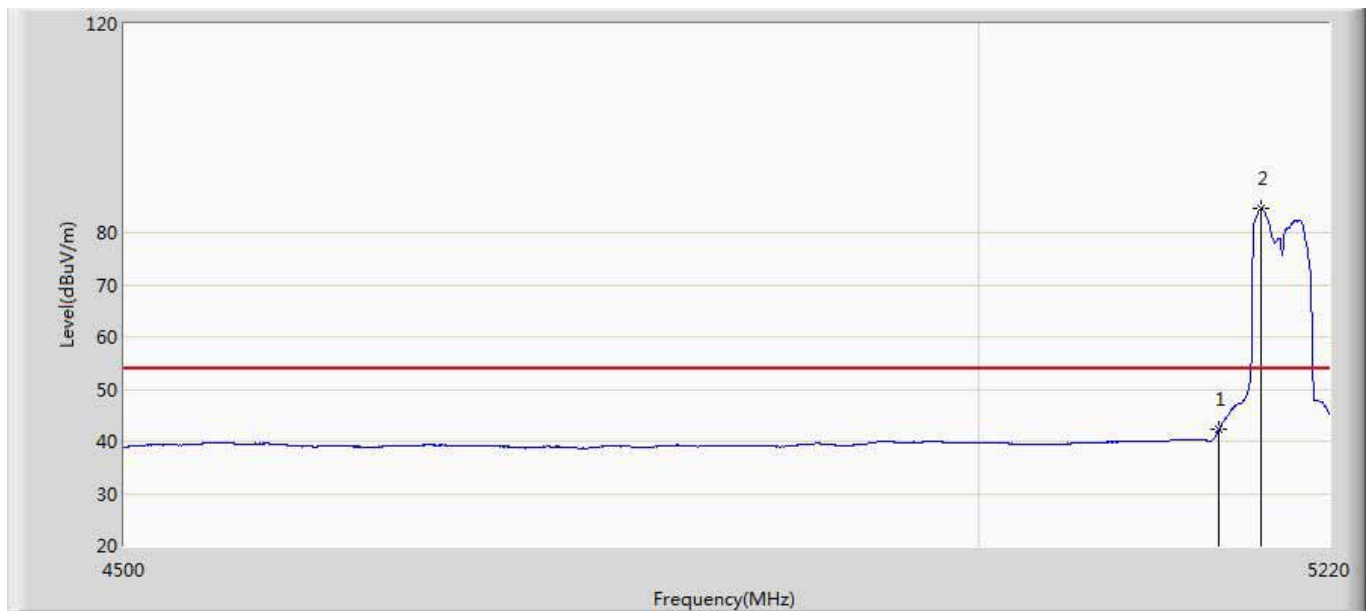
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	52.906	10.891	-1.094	54.000	42.015	AV
2	*	5175.360	96.864	54.719	42.864	54.000	42.145	AV

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 11:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5190 by 802.11n(40MHz)	



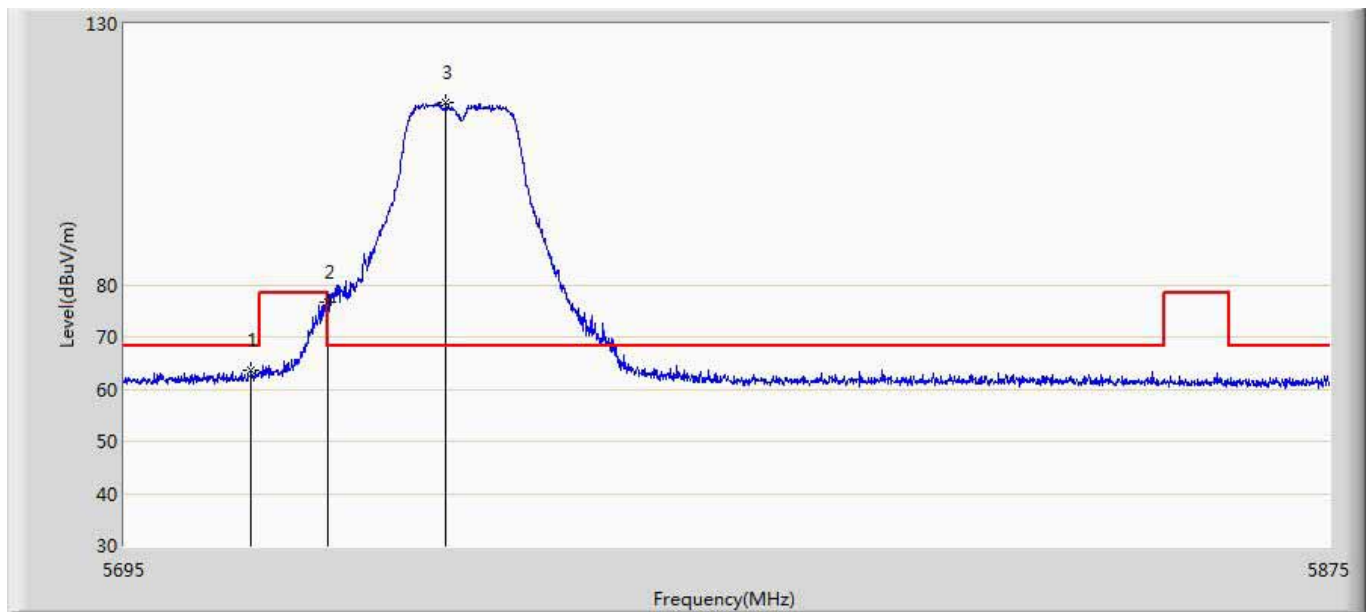
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	59.991	17.976	-14.009	74.000	42.015	PK
2	*	5176.080	97.780	55.635	23.780	74.000	42.145	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 11:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5190 by 802.11n(40MHz)	



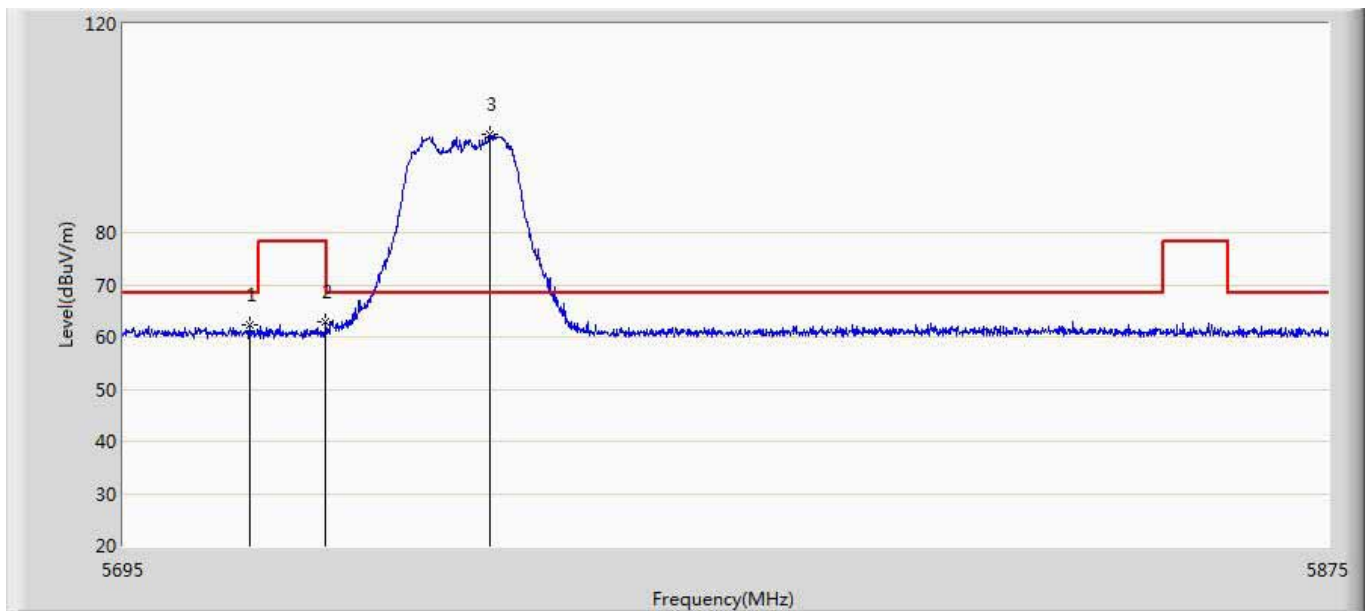
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	42.287	0.272	-11.713	54.000	42.015	AV
2	*	5176.080	84.613	42.468	30.613	54.000	42.145	AV

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 11:34
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5745 by 802.11a(20MHz)	



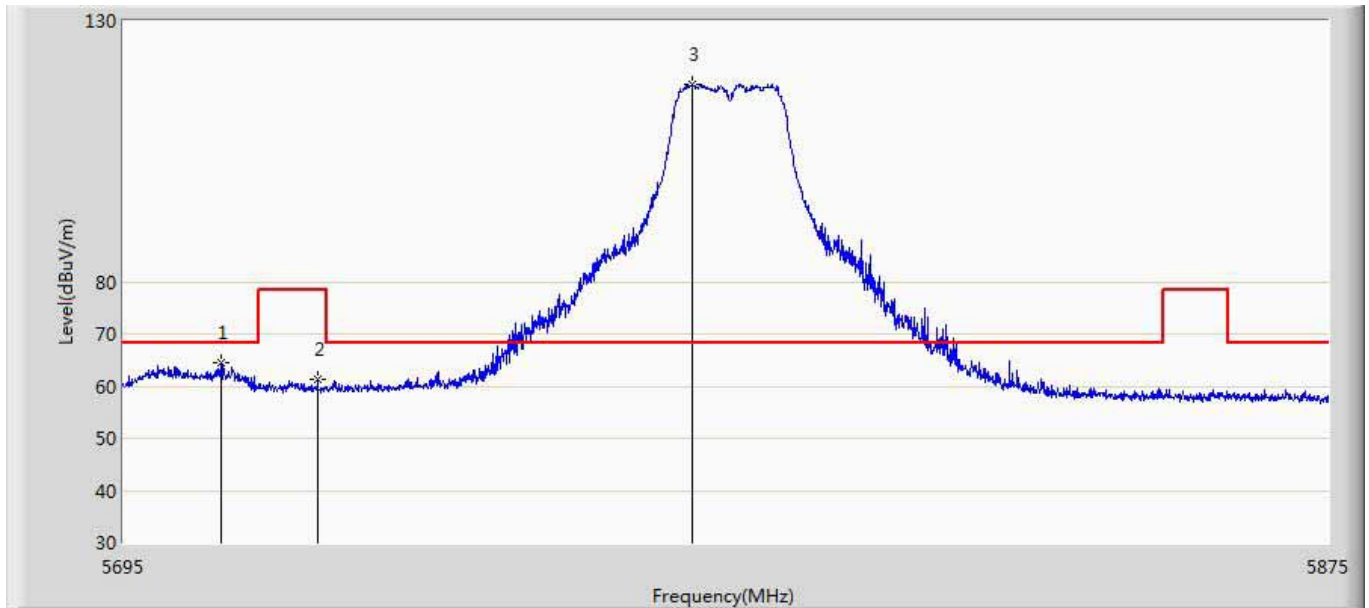
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.720	63.597	20.293	-4.703	68.300	43.304	PK
2		5724.970	76.773	33.507	-1.527	78.300	43.266	PK
3	*	5742.520	115.070	71.768	46.770	68.300	43.301	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 11:38
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5745 by 802.11a(20MHz)	



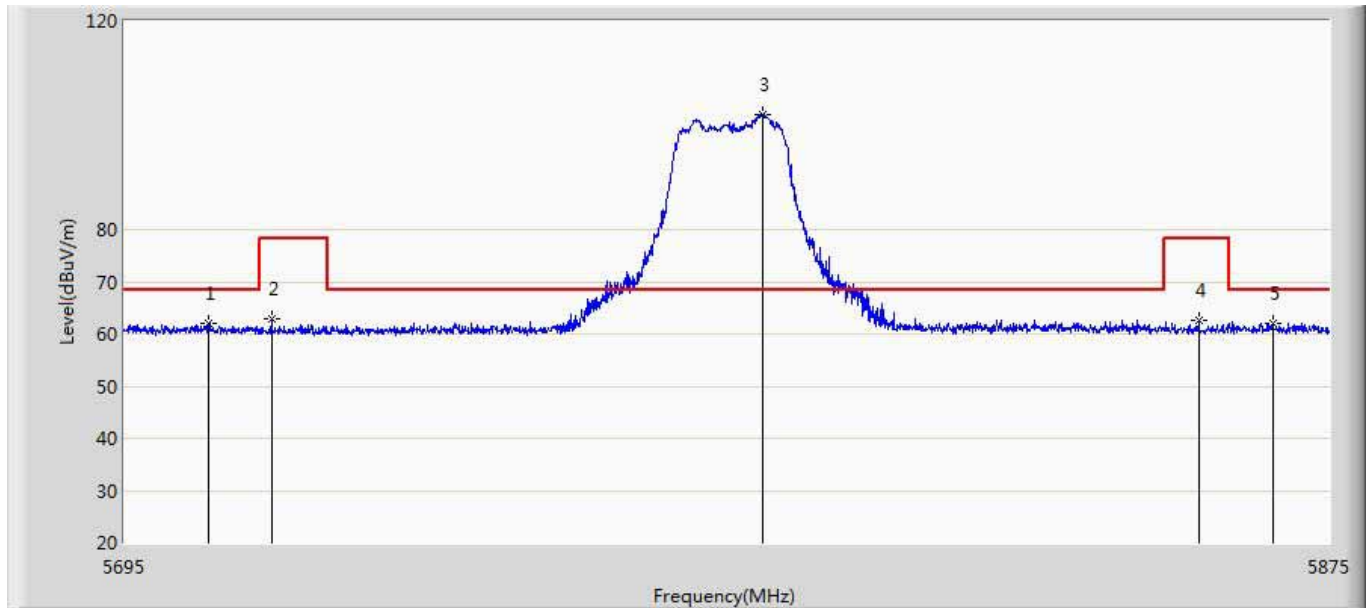
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.720	62.452	19.148	-5.848	68.300	43.304	PK
2		5724.880	62.968	19.702	-15.332	78.300	43.266	PK
3	*	5749.180	98.815	55.534	30.515	68.300	43.281	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 11:40
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5785 by 802.11a(20MHz)	



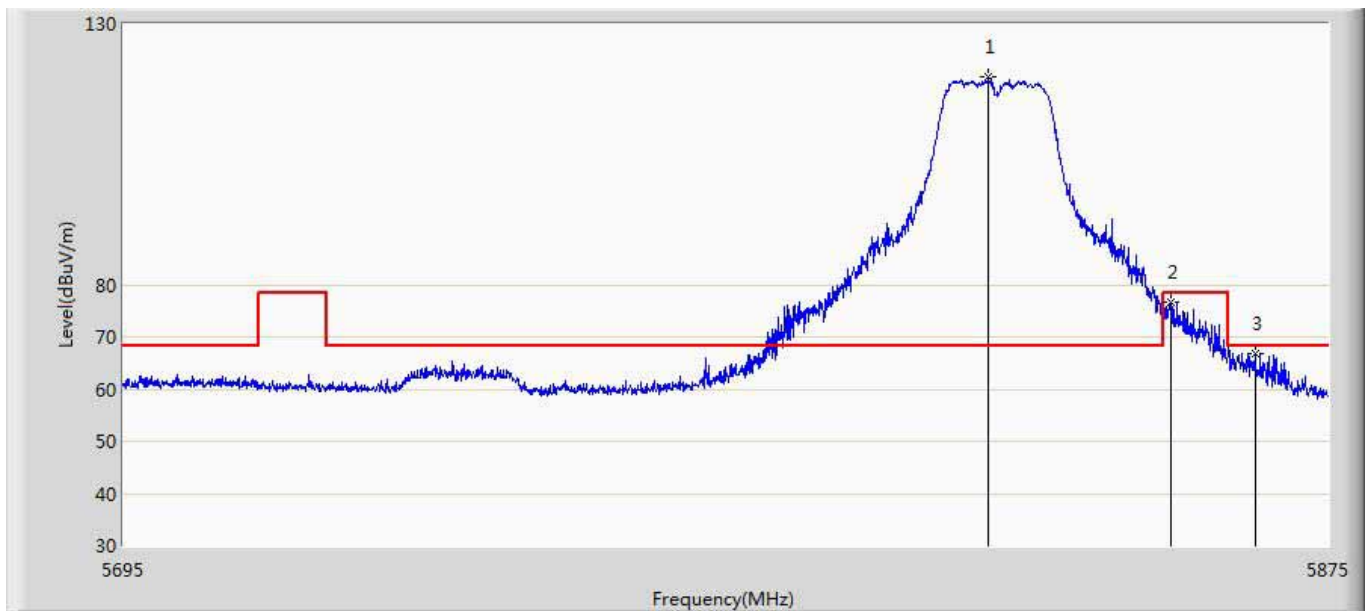
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5709.490	64.630	21.311	-3.670	68.300	43.319	PK
2		5723.710	61.268	17.998	-17.032	78.300	43.270	PK
3	*	5779.330	117.788	74.455	49.488	68.300	43.333	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 11:44
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5785 by 802.11a(20MHz)	



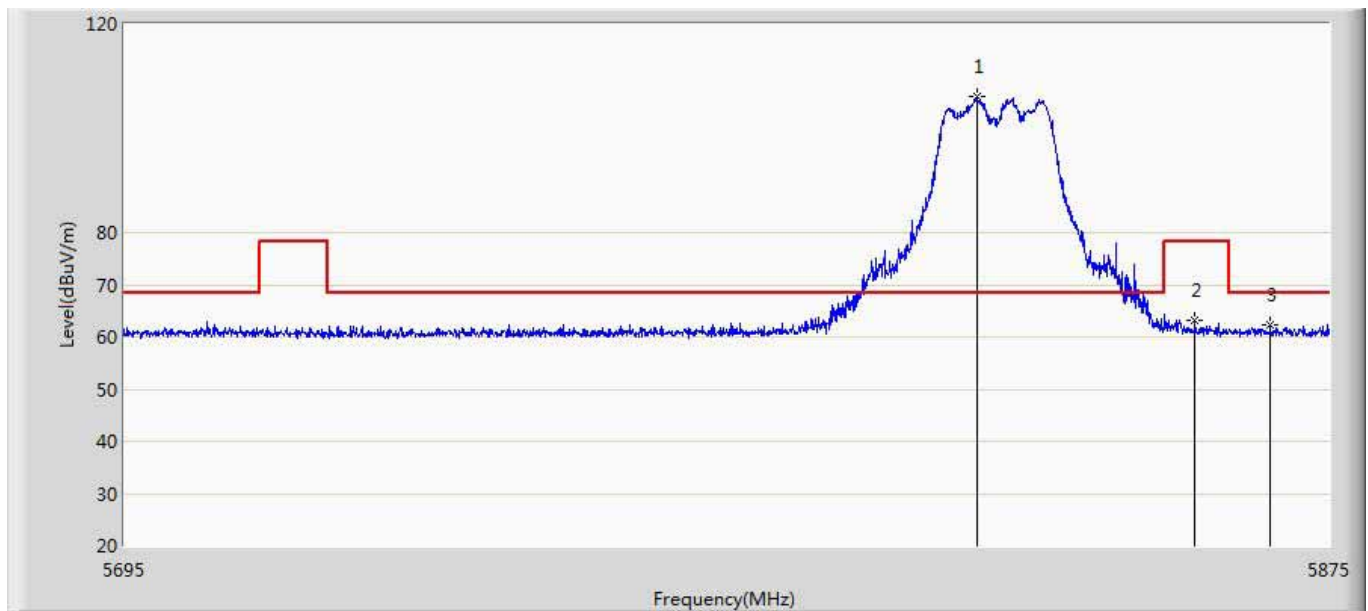
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5707.510	62.086	18.770	-6.214	68.300	43.316	PK
2		5716.780	62.809	19.515	-15.491	78.300	43.294	PK
3	*	5789.680	102.038	58.738	33.738	68.300	43.300	PK
4		5855.290	62.607	19.097	-15.693	78.300	43.510	PK
5		5866.450	62.090	18.515	-6.210	68.300	43.575	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 13:25
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5825 by 802.11a(20MHz)	



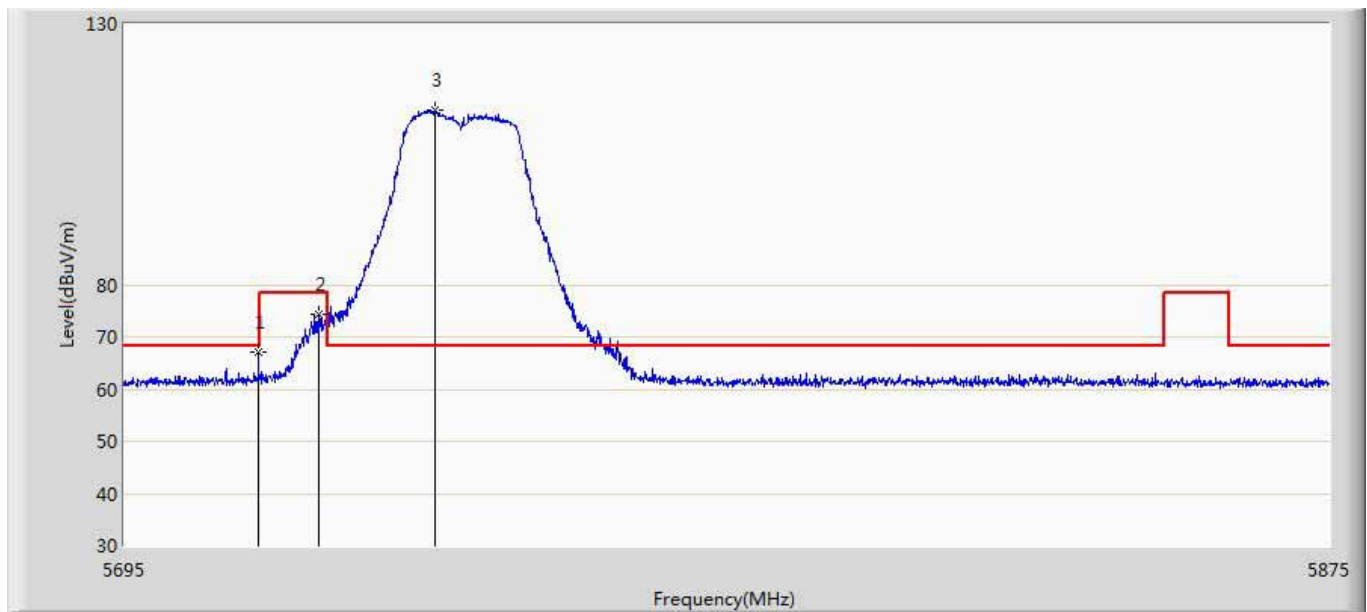
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5823.700	119.803	76.403	51.503	68.300	43.400	PK
2		5851.240	76.768	33.289	-1.532	78.300	43.479	PK
3		5863.930	66.941	23.374	-1.359	68.300	43.567	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 13:27
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode3: Transmit at CH5825 by 802.11a(20MHz)	



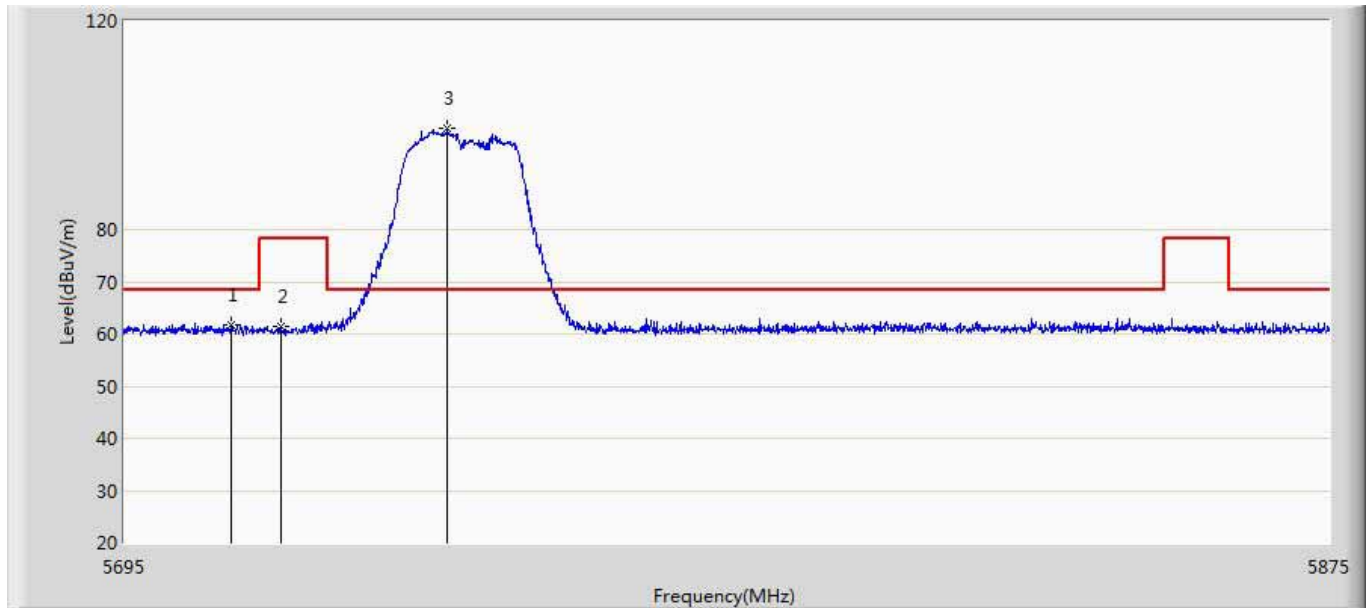
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5821.810	105.956	62.561	37.656	68.300	43.395	PK
2		5854.750	63.208	19.702	-15.092	78.300	43.506	PK
3		5866.090	62.447	18.873	-5.853	68.300	43.574	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 13:36
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5745 by 802.11n(20MHz)	



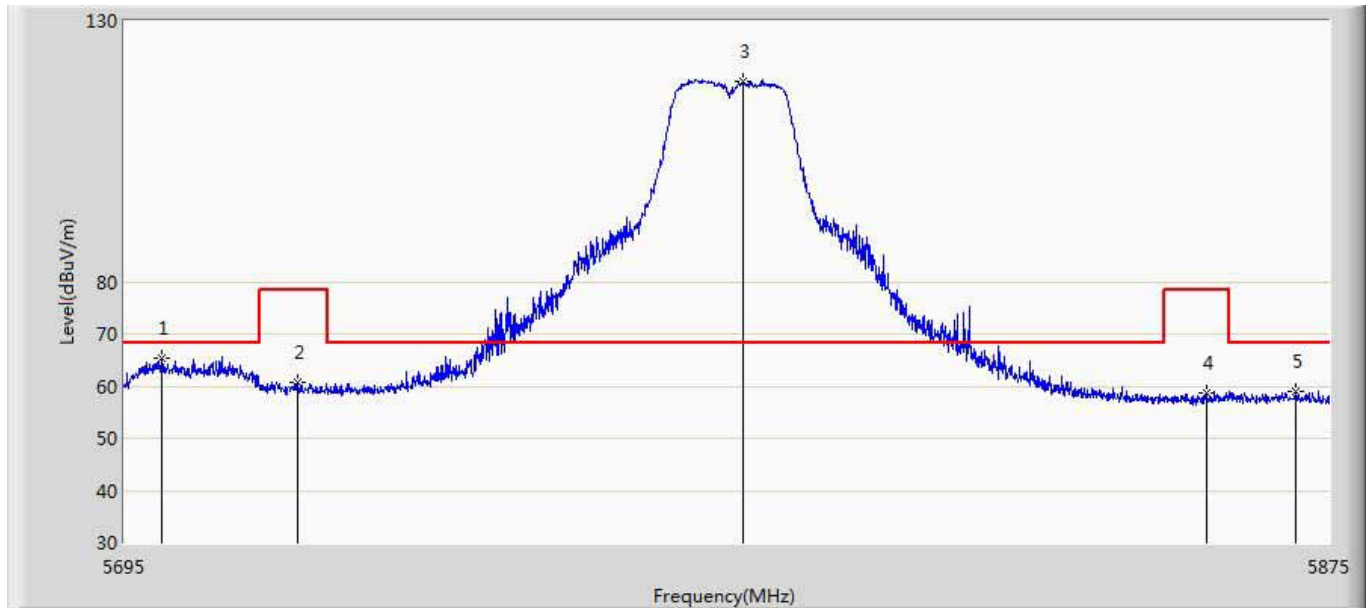
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.800	67.167	23.866	-1.133	68.300	43.301	PK
2		5723.710	74.331	31.061	-3.969	78.300	43.270	PK
3	*	5740.990	113.441	70.143	45.141	68.300	43.298	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 13:38
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5745 by 802.11n(20MHz)	



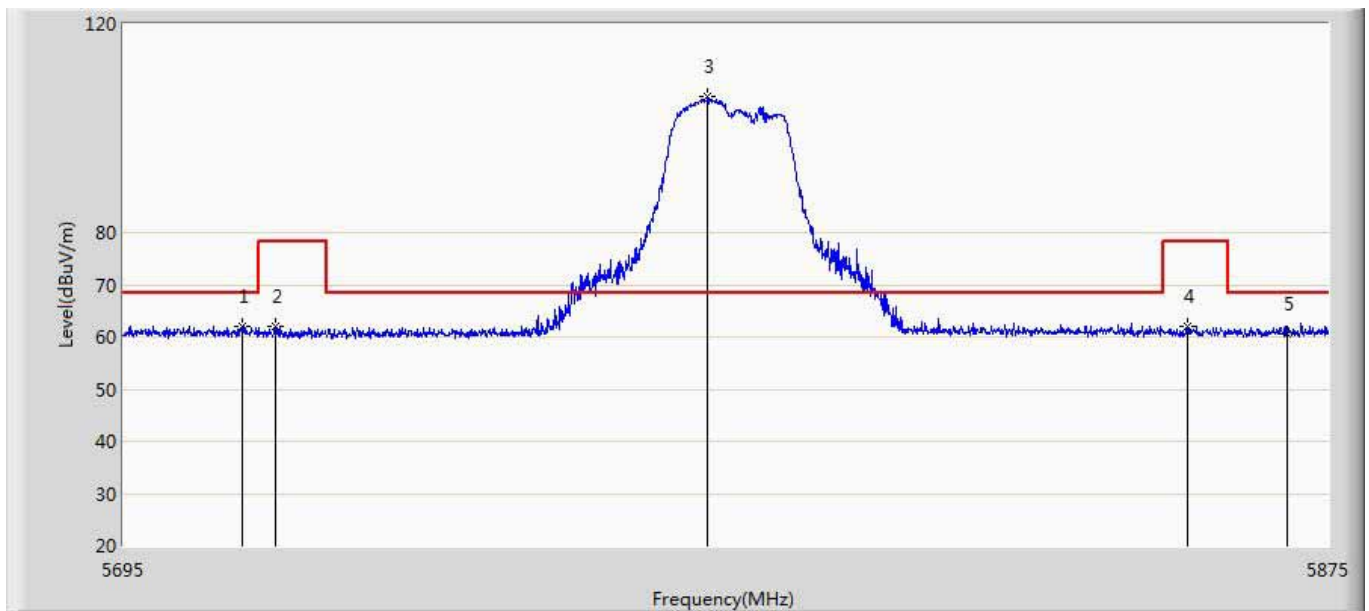
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5710.840	61.806	18.492	-6.494	68.300	43.314	PK
2		5718.040	61.512	18.222	-16.788	78.300	43.289	PK
3	*	5742.790	99.374	56.072	31.074	68.300	43.303	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 13:40
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5785 by 802.11n(20MHz)	



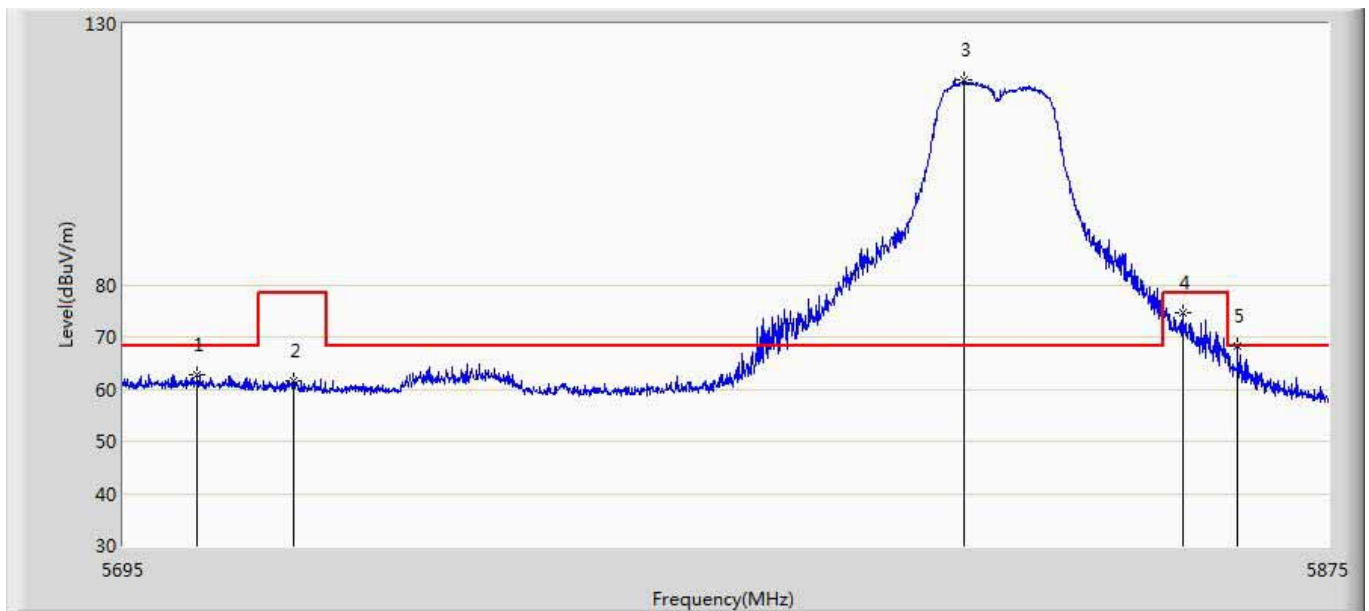
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5700.490	65.385	22.091	-2.915	68.300	43.294	PK
2		5720.560	60.624	17.343	-17.676	78.300	43.281	PK
3	*	5786.710	118.469	75.159	50.169	68.300	43.310	PK
4		5856.550	58.758	15.239	-19.542	78.300	43.519	PK
5		5869.870	59.031	15.445	-9.269	68.300	43.586	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 13:42
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5785 by 802.11n(20MHz)	



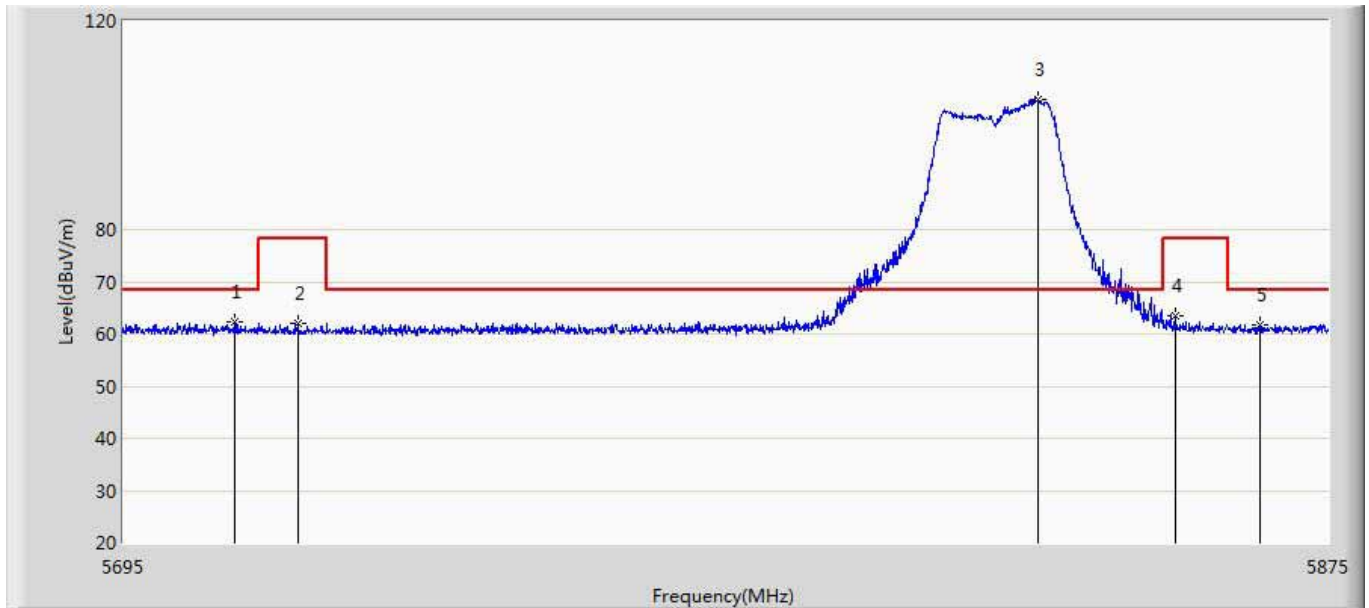
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5712.550	62.132	18.824	-6.168	68.300	43.309	PK
2		5717.410	62.139	18.847	-16.161	78.300	43.291	PK
3	*	5781.580	106.154	62.828	37.854	68.300	43.326	PK
4		5853.670	61.902	18.405	-16.398	78.300	43.497	PK
5		5868.880	60.523	16.940	-7.777	68.300	43.583	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 13:44
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5825 by 802.11n(20MHz)	



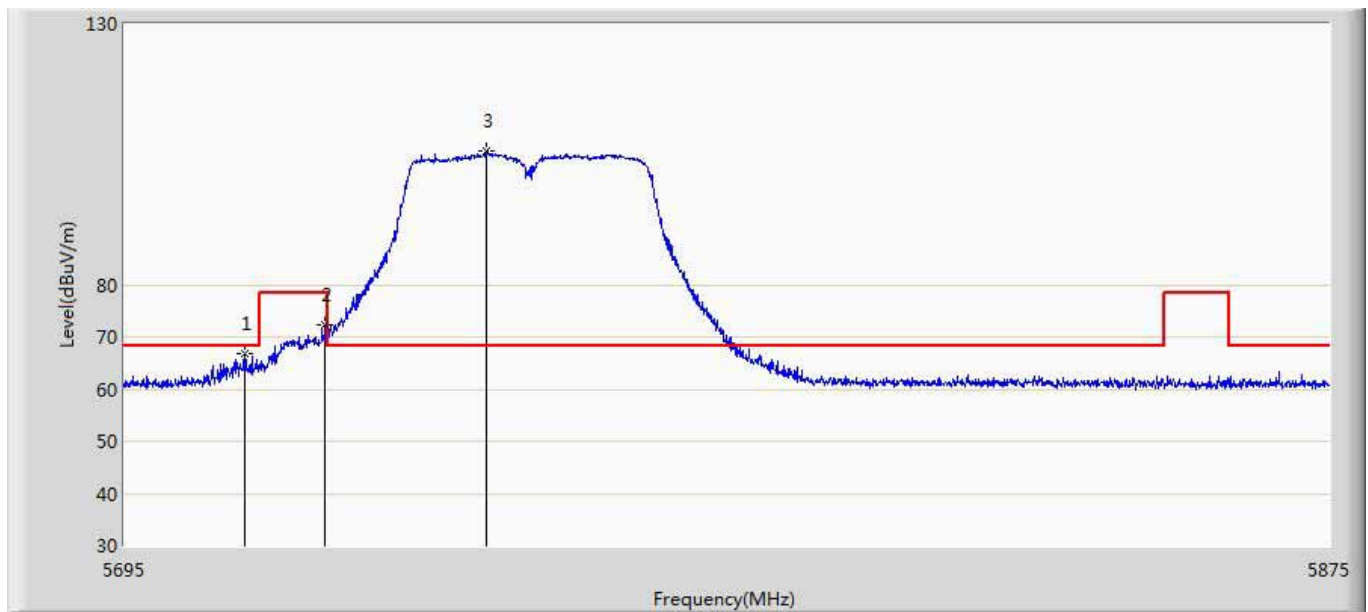
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5705.890	62.838	19.527	-5.462	68.300	43.311	PK
2		5720.110	61.527	18.244	-16.773	78.300	43.283	PK
3	*	5820.100	119.297	75.905	50.997	68.300	43.392	PK
4		5852.950	74.680	31.188	-3.620	78.300	43.492	PK
5		5861.320	68.151	24.595	-0.149	68.300	43.556	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 13:46
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode4: Transmit at CH5825 by 802.11n(20MHz)	



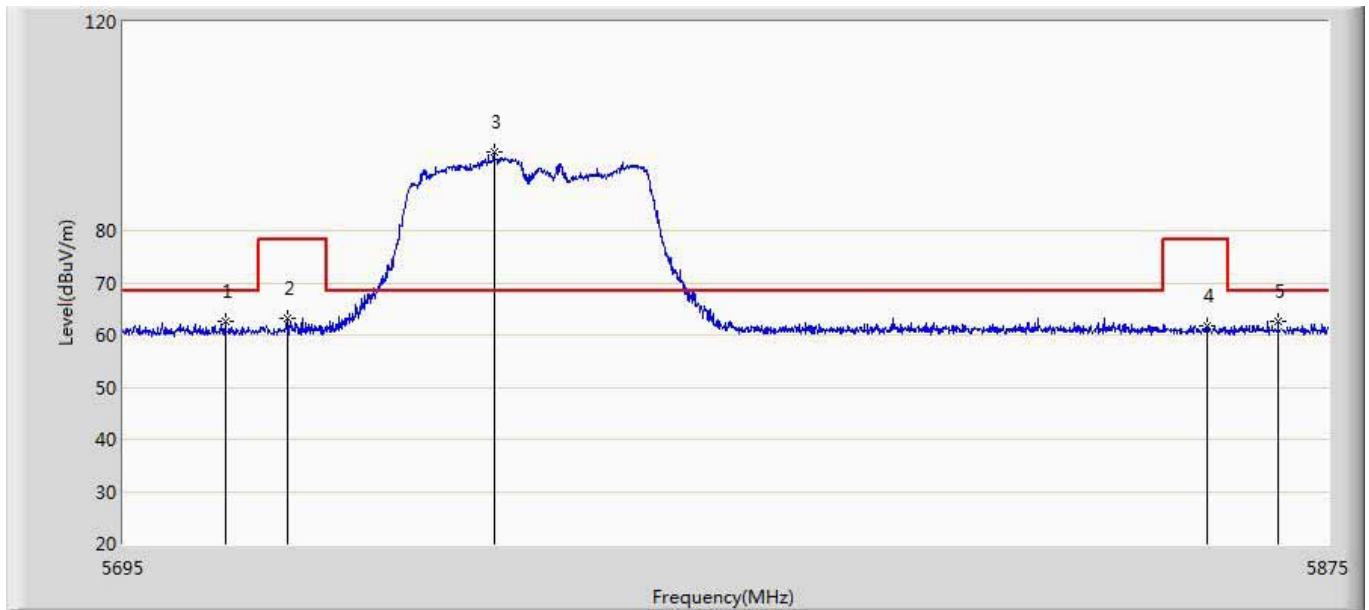
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5711.380	62.458	19.146	-5.842	68.300	43.312	PK
2		5720.830	61.920	18.640	-16.380	78.300	43.280	PK
3	*	5831.080	104.977	61.563	36.677	68.300	43.413	PK
4		5851.870	63.455	19.971	-14.845	78.300	43.484	PK
5		5864.740	61.785	18.215	-6.515	68.300	43.570	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 13:53
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5755 by 802.11n(40MHz)	



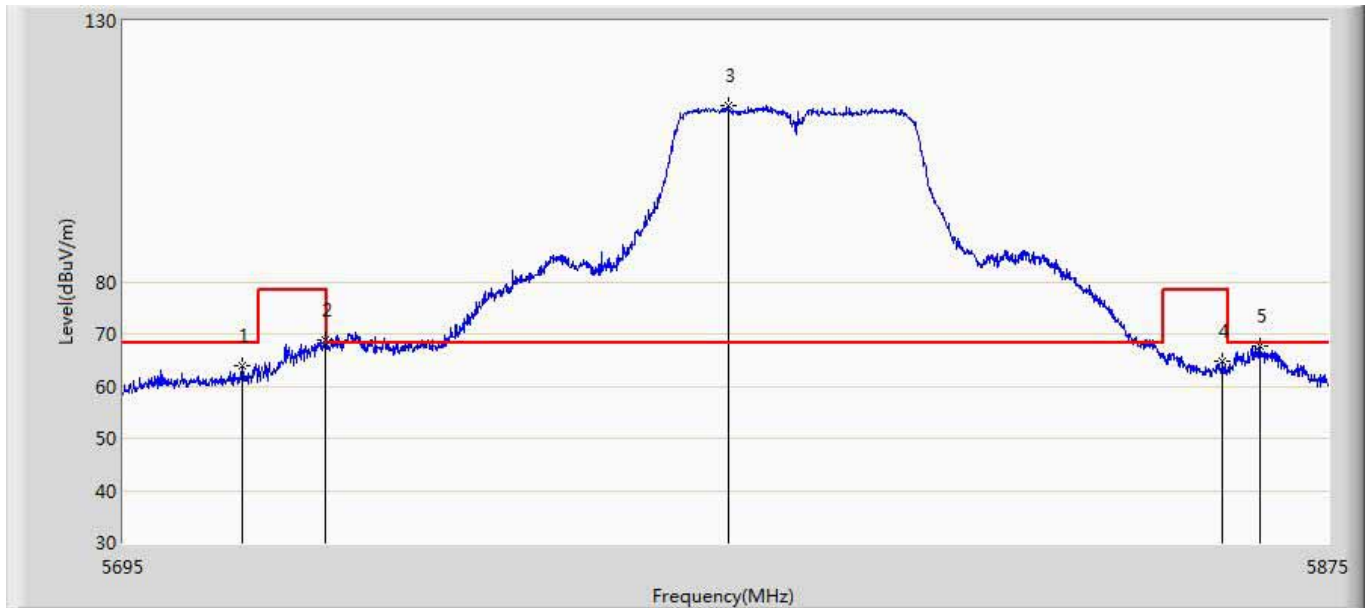
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5712.820	66.931	23.624	-1.369	68.300	43.307	PK
2		5724.700	72.357	29.090	-5.943	78.300	43.267	PK
3	*	5748.460	105.641	62.358	37.341	68.300	43.284	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 14:01
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5755 by 802.11n(40MHz)	



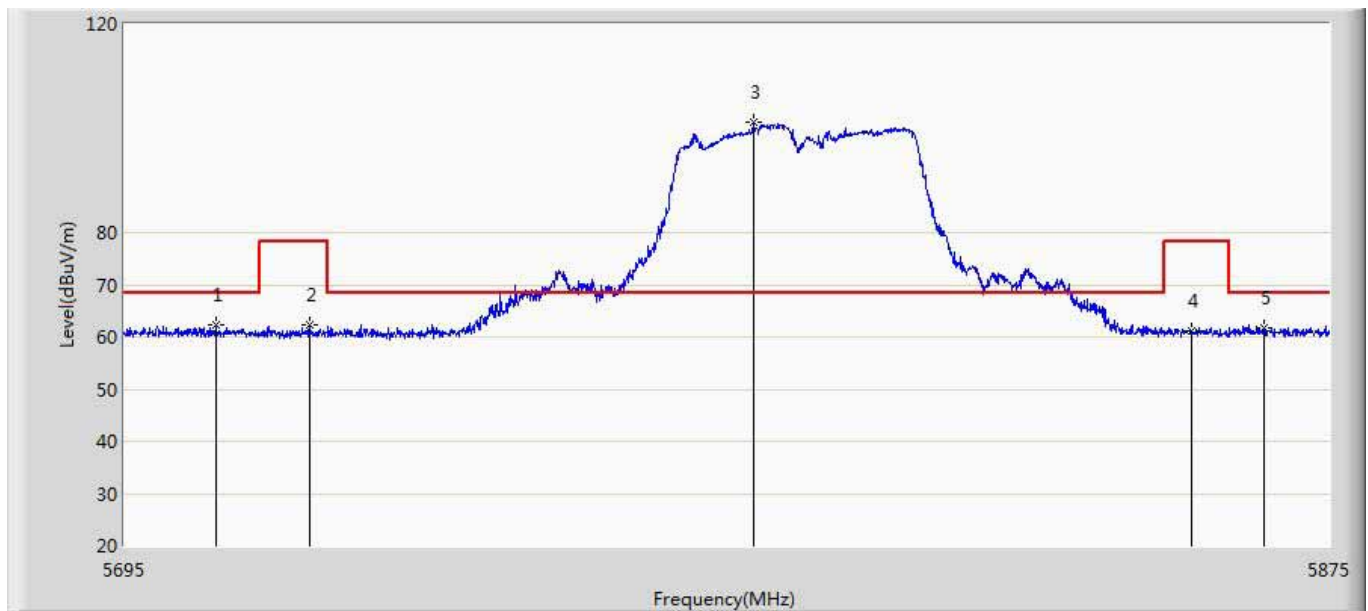
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5710.120	62.516	19.199	-5.784	68.300	43.317	PK
2		5719.210	63.204	19.918	-15.096	78.300	43.286	PK
3	*	5749.810	95.077	51.798	26.777	68.300	43.279	PK
4		5856.730	61.791	18.270	-16.509	78.300	43.521	PK
5		5867.440	62.535	18.957	-5.765	68.300	43.578	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 14:04
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5795 by 802.11n(40MHz)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5712.460	63.878	20.569	-4.422	68.300	43.309	PK
2		5724.790	68.798	25.531	-9.502	78.300	43.266	PK
3	*	5784.640	113.800	70.484	45.500	68.300	43.317	PK
4		5859.070	64.739	21.200	-13.561	78.300	43.539	PK
5		5864.740	67.810	24.240	-0.490	68.300	43.570	PK

Engineer: Frank	
Site: AC5	Time: 2016/03/19 - 14:06
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5795 by 802.11n(40MHz)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5708.500	62.229	18.910	-6.071	68.300	43.319	PK
2		5722.270	62.317	19.042	-15.983	78.300	43.275	PK
3	*	5788.420	101.207	57.903	32.907	68.300	43.304	PK
4		5854.300	61.297	17.795	-17.003	78.300	43.502	PK
5		5865.100	61.816	18.245	-6.484	68.300	43.570	PK

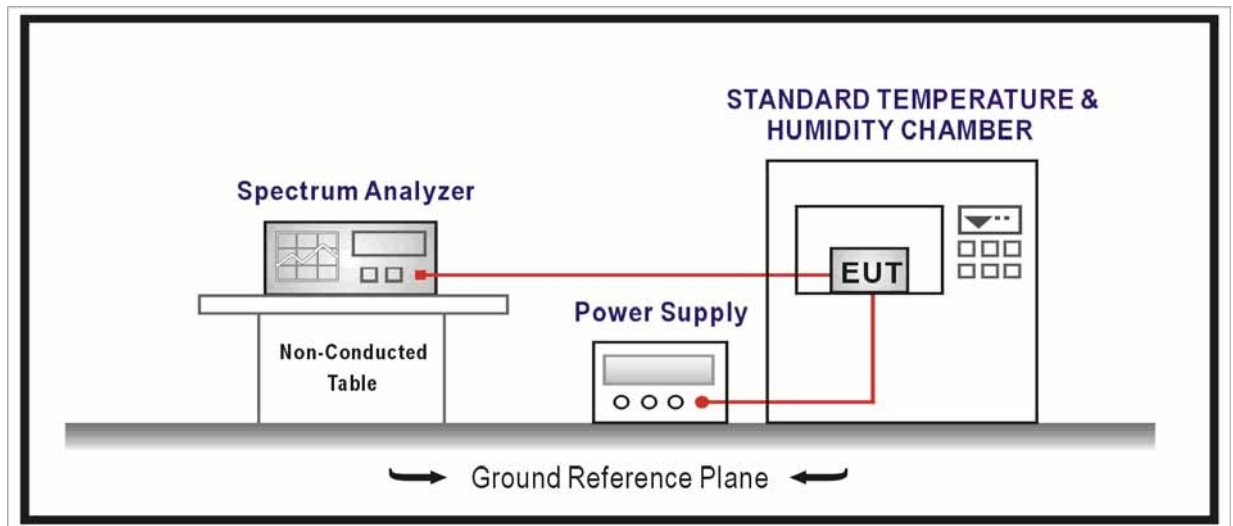
10. Frequency Stability

10.1. Test Equipment

Frequency Stability / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2016.01.04	2017.01.03
AC Power Supply	IDRC	CF-500TP	979422	2015.09.17	2016.09.16
DC Power Supply	IDRC	CD-035-020PR	977272	2015.09.17	2016.09.16
Programmable Temperature & Humidity Chamber	Gaoyu	TH-1P-B	WIT-05121302	2016.01.04	2017.01.03
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2016.04.10	2017.04.09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

10.2. Test Setup



10.3. Limit

Frequency Stability Limit	
UNII Devices	
☒	In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
IEEE Std. 802.11n-2009	
☒	The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

10.4. Test Procedure

Frequency Stability Test Method			
	References Rule	Chapter	Description
☒	ANSI C63.10	6.8	Frequency stability tests
	☒ ANSI C63.10	6.8.1	Frequency stability with respect to ambient temperature
	☒ ANSI C63.10	6.8.2	Frequency stability when varying supply voltage

10.5. Uncertainty

The measurement uncertainty is defined as ± 100 Hz

10.6. Test Result

Product	:	5GHz 300Mbps Outdoor Wireless Base Station
Test Item	:	Frequency Stability
Test Site	:	TR-8
Test Mode	:	Carrier Transmit

Frequency Stability under Temperature at 0min

Temperature Interval (°C)	Test Frequency (MHz)	Deviation (Hz)
-30	5220.000	185
	5785.000	-194
-20	5220.000	-139
	5785.000	233
-10	5220.000	-122
	5785.000	-91
0	5220.000	126
	5785.000	110
10	5220.000	-122
	5785.000	191
20	5220.000	-204
	5785.000	-146
30	5220.000	240
	5785.000	-130
40	5220.000	-97
	5785.000	130
50	5220.000	113
	5785.000	-129

Frequency Stability under Temperature at 2min

Temperature Interval (°C)	Test Frequency (MHz)	Deviation (Hz)
-30	5220.000	187
	5785.000	-197
-20	5220.000	-141
	5785.000	234
-10	5220.000	-124
	5785.000	-93
0	5220.000	127
	5785.000	110
10	5220.000	-124
	5785.000	190
20	5220.000	-201
	5785.000	-145
30	5220.000	238
	5785.000	-128
40	5220.000	-96
	5785.000	129
50	5220.000	112
	5785.000	-127

Frequency Stability under Temperature at 5min

Temperature Interval (°C)	Test Frequency (MHz)	Deviation (Hz)
-30	5220.000	184
	5785.000	-191
-20	5220.000	-137
	5785.000	231
-10	5220.000	-120
	5785.000	-90
0	5220.000	125
	5785.000	110
10	5220.000	-120
	5785.000	192
20	5220.000	-206
	5785.000	-148
30	5220.000	242
	5785.000	-132
40	5220.000	-99
	5785.000	131
50	5220.000	114
	5785.000	-131

Frequency Stability under Temperature at 10min

Temperature Interval (°C)	Test Frequency (MHz)	Deviation (Hz)
-30	5220.000	182
	5785.000	-189
-20	5220.000	-135
	5785.000	229
-10	5220.000	-118
	5785.000	-89
0	5220.000	124
	5785.000	110
10	5220.000	-119
	5785.000	193
20	5220.000	-209
	5785.000	-150
30	5220.000	244
	5785.000	-134
40	5220.000	-100
	5785.000	131
50	5220.000	114
	5785.000	-133

Frequency Stability under Voltage

AC Voltage (V)	Test Frequency (MHz)	Deviation (Hz)
102	5220.000	109
	5785.000	-116
120	5220.000	194
	5785.000	-211
138	5220.000	-152
	5785.000	246

The End