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 PPSD (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 PPSD (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)

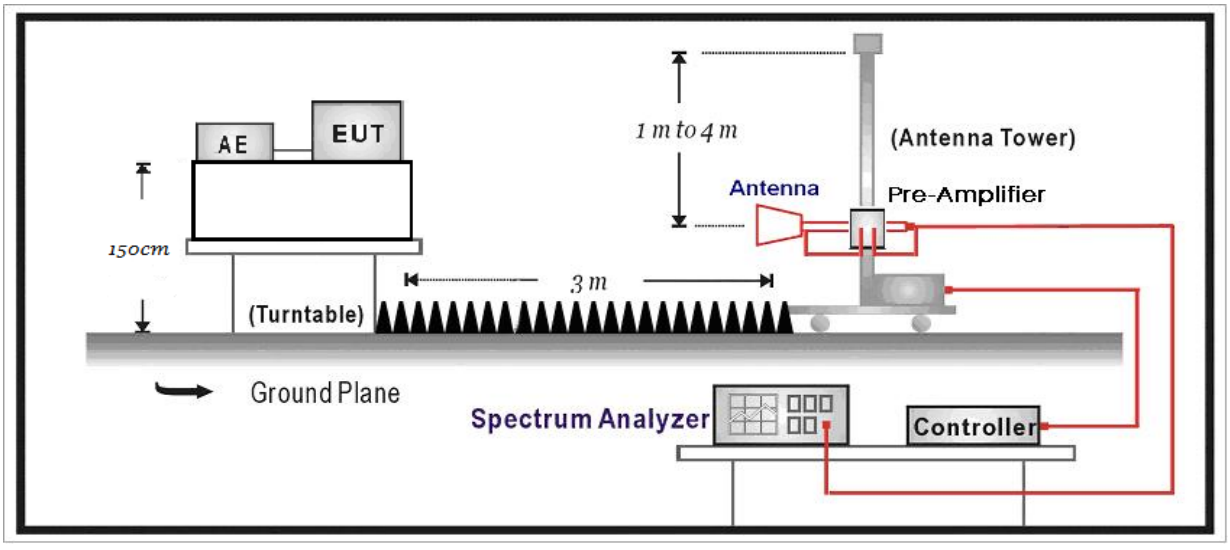
Channel 159 (5795MHz)

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



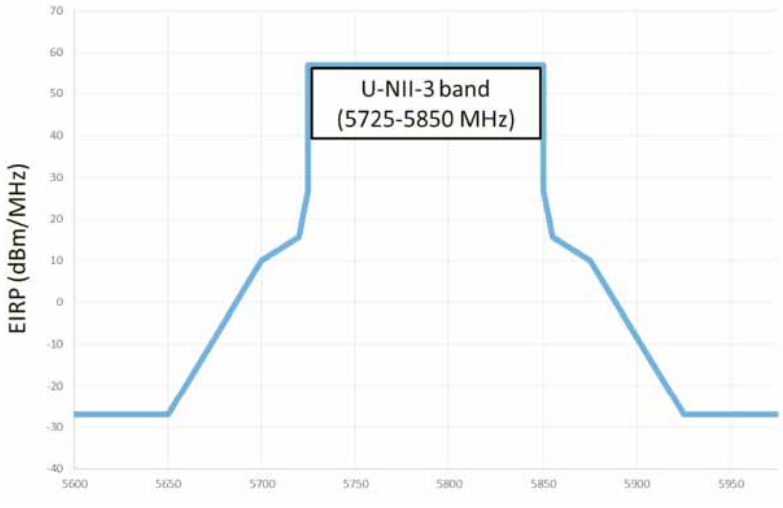
9.3. Limit

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		

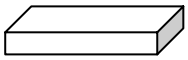
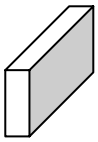
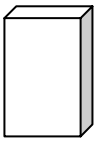
9.4. Test Procedure

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

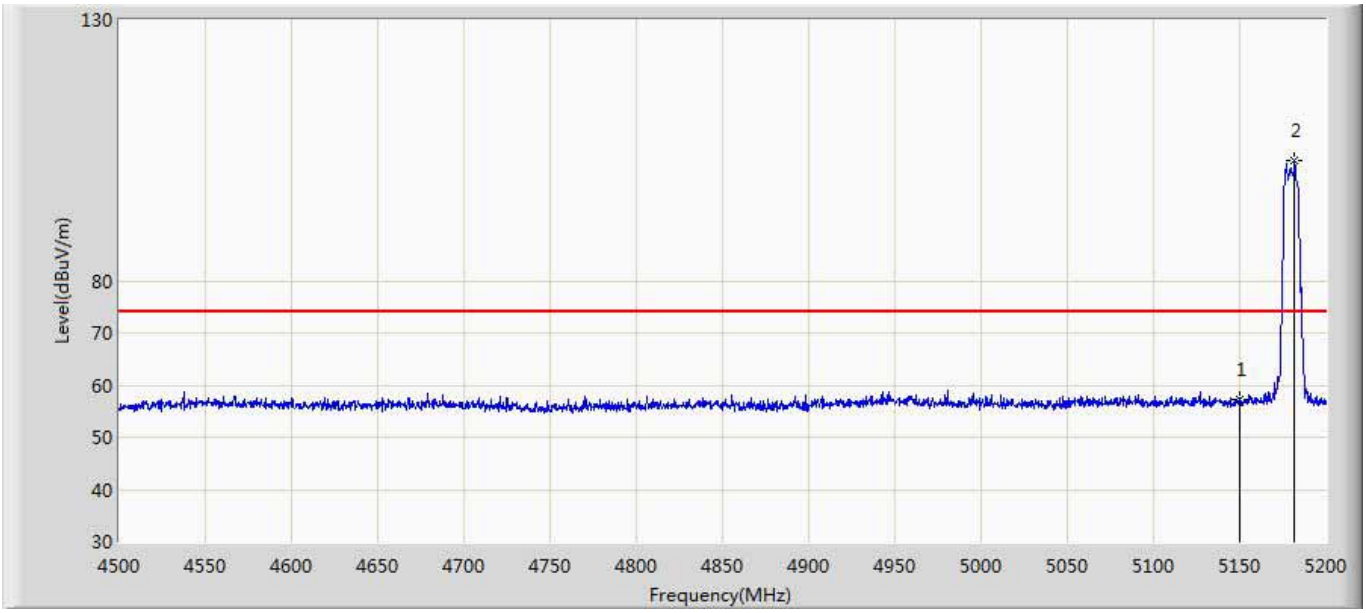
9.6. EUT test Axis definition

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

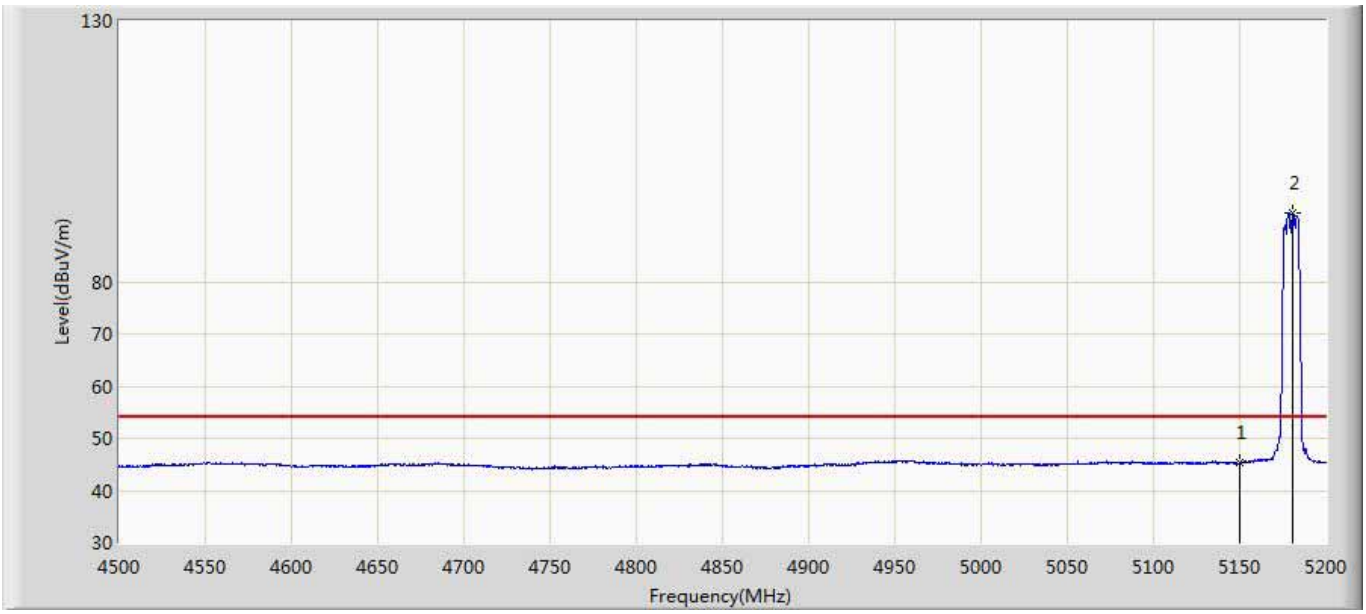
For Sectorized Antenna

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)	



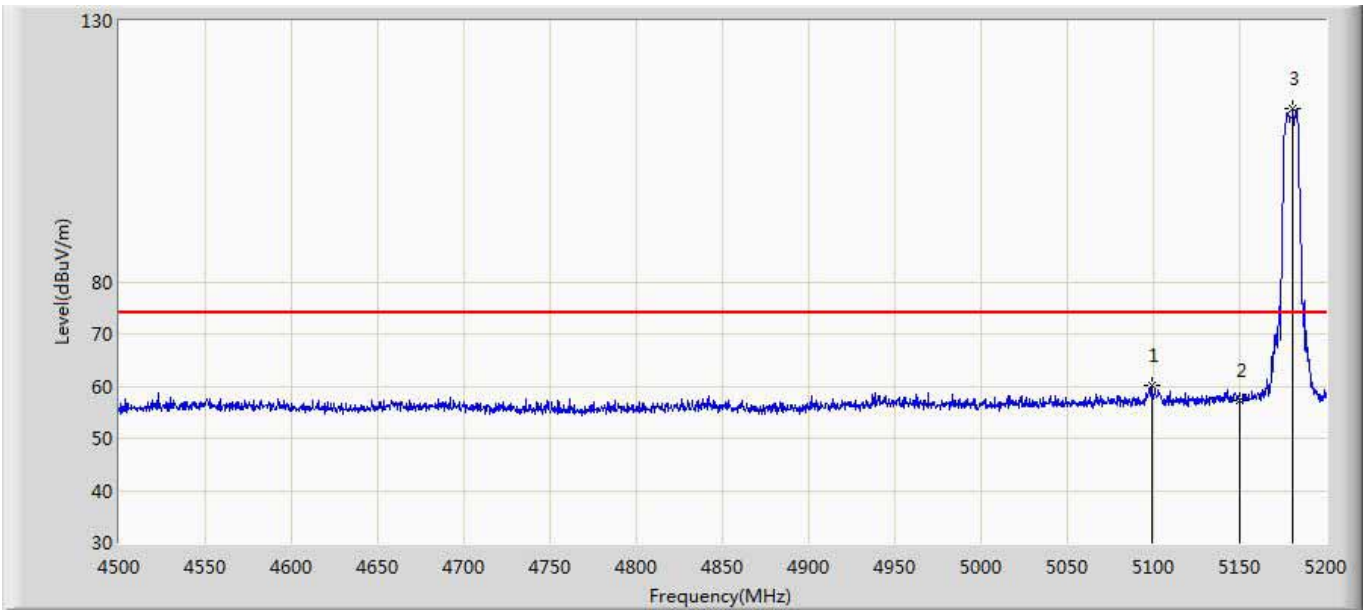
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.258	16.763	-16.742	74.000	40.495	PK
2	*	5181.800	102.906	62.408	28.906	74.000	40.498	PK

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)	



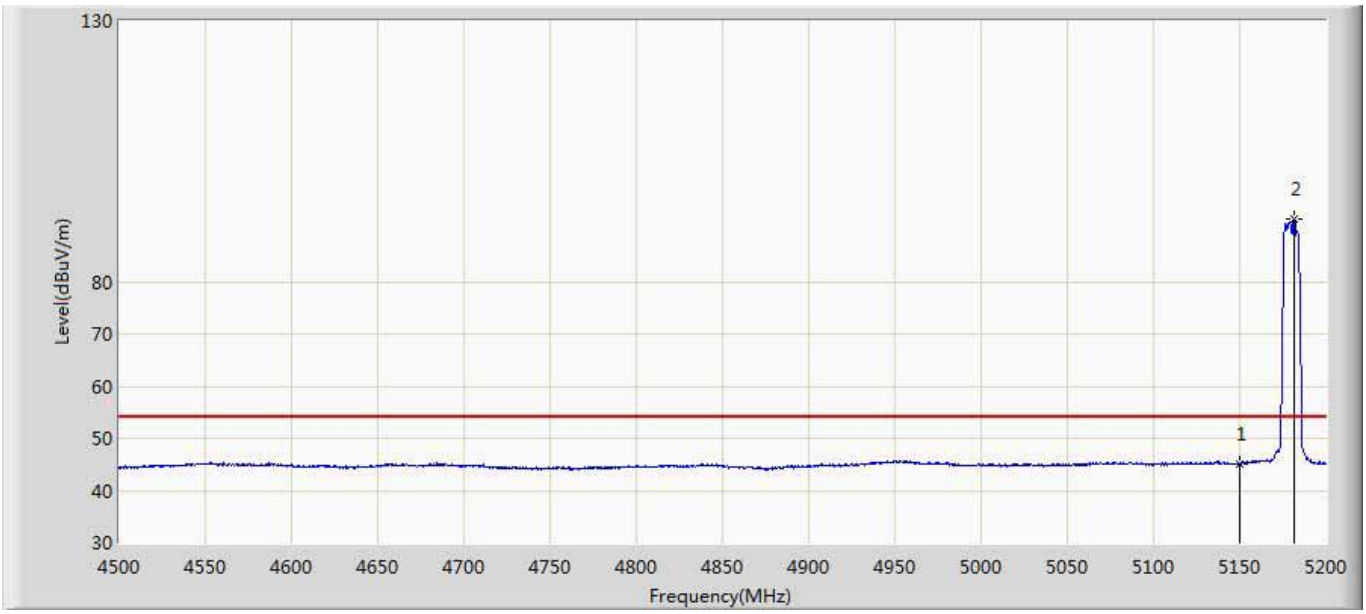
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.330	4.835	-8.670	54.000	40.495	AV
2	*	5180.750	93.269	52.746	39.269	54.000	40.523	AV

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)	



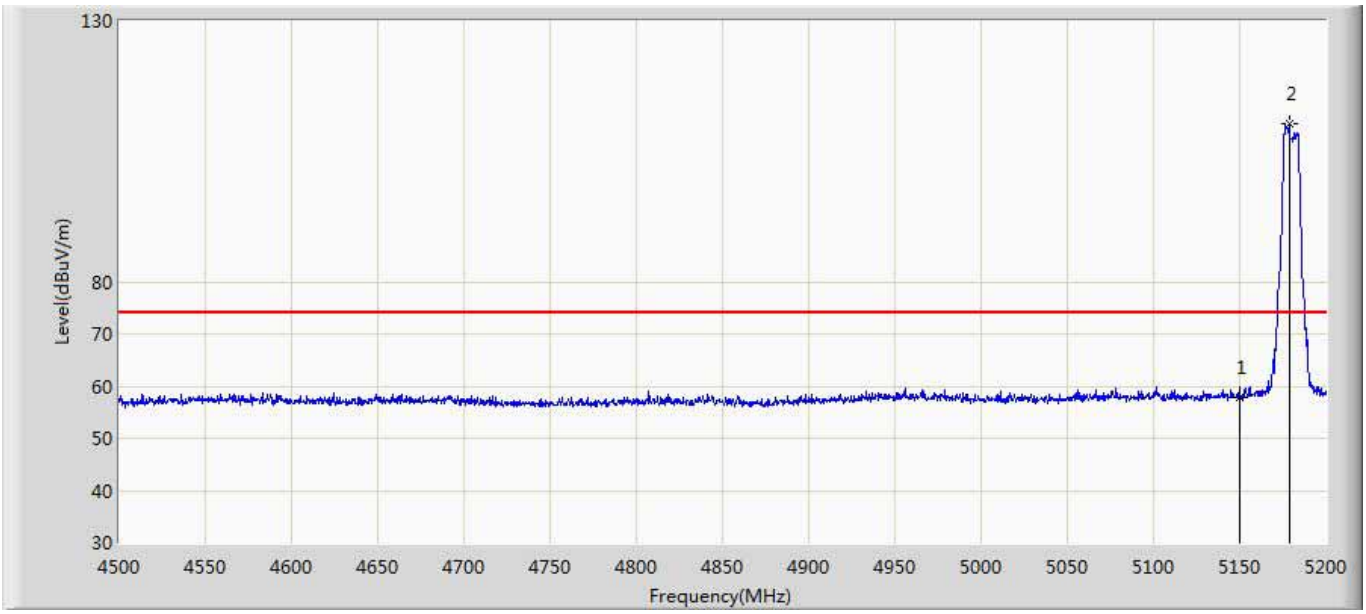
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5099.200	60.027	19.828	-13.973	74.000	40.199	PK
2		5150.000	57.164	16.669	-16.836	74.000	40.495	PK
3	*	5180.750	113.296	72.773	39.296	74.000	40.523	PK

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)	



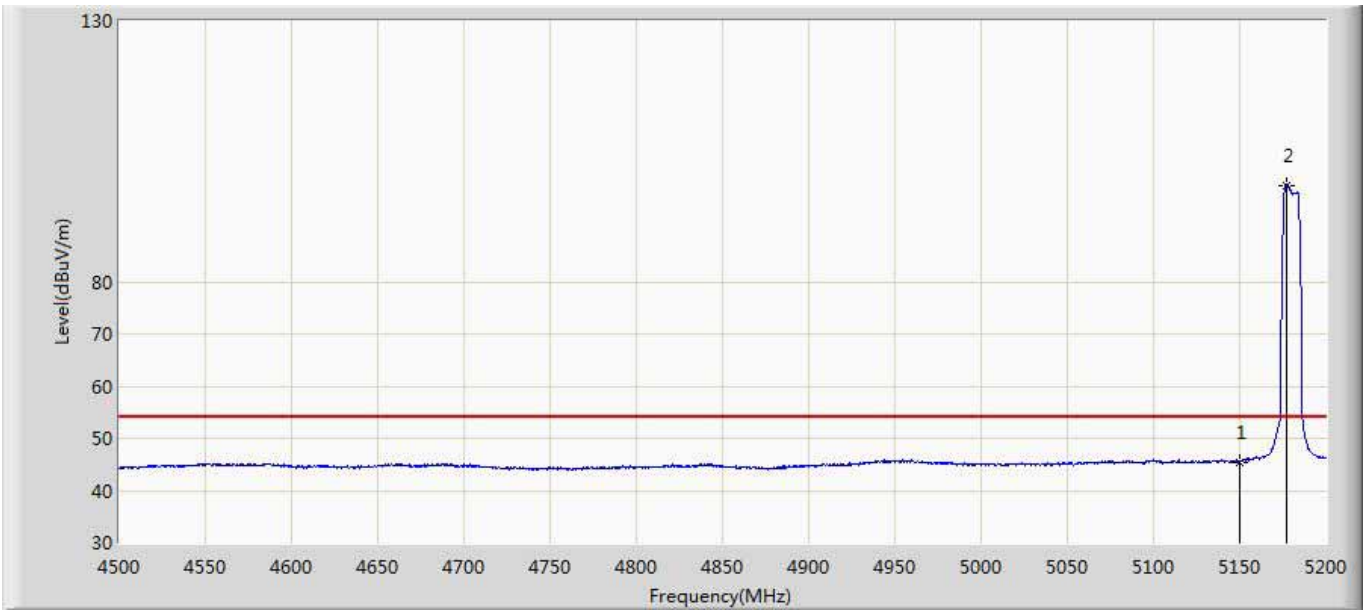
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.193	4.698	-8.807	54.000	40.495	AV
2	*	5181.800	92.008	51.510	38.008	54.000	40.498	AV

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)	



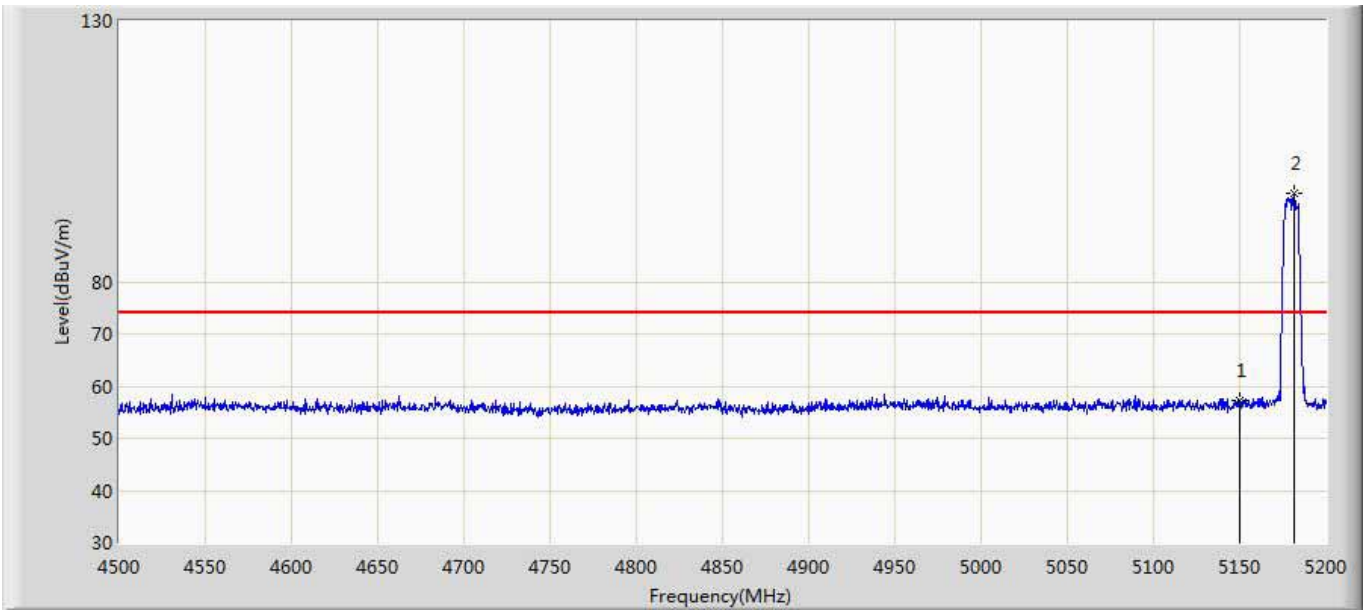
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.903	17.408	-16.097	74.000	40.495	PK
2	*	5178.650	110.192	69.617	36.192	74.000	40.575	PK

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)	



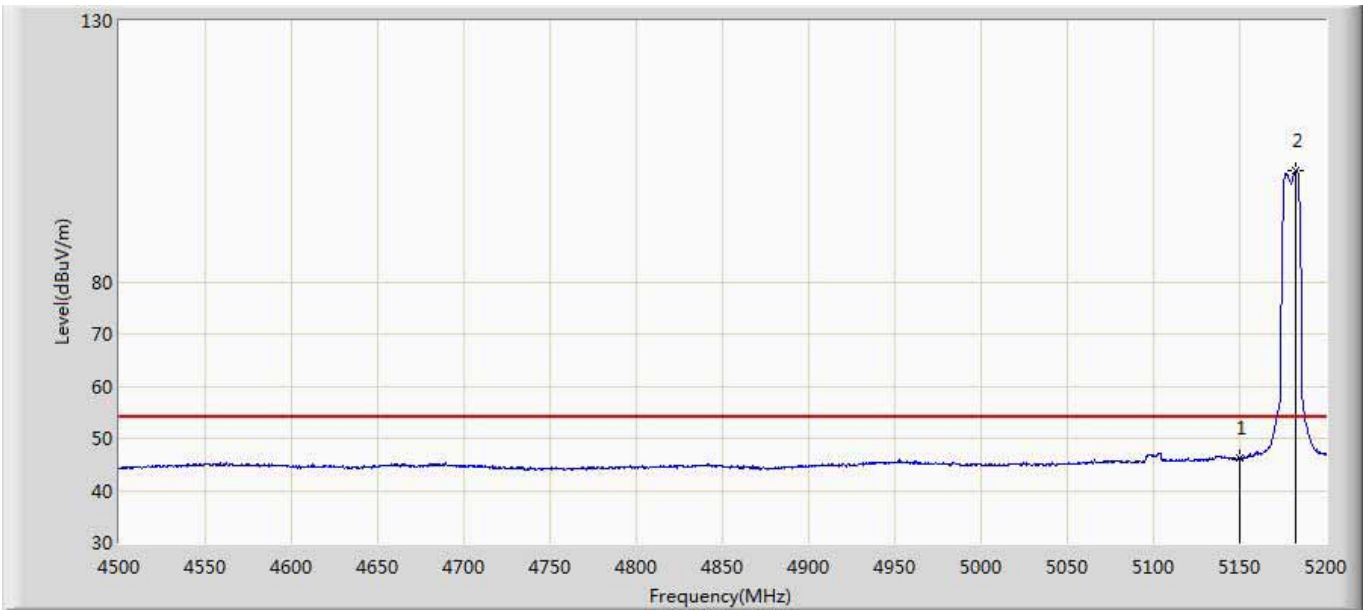
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.466	4.971	-8.534	54.000	40.495	AV
2	*	5177.600	98.545	57.945	44.545	54.000	40.601	AV

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)	



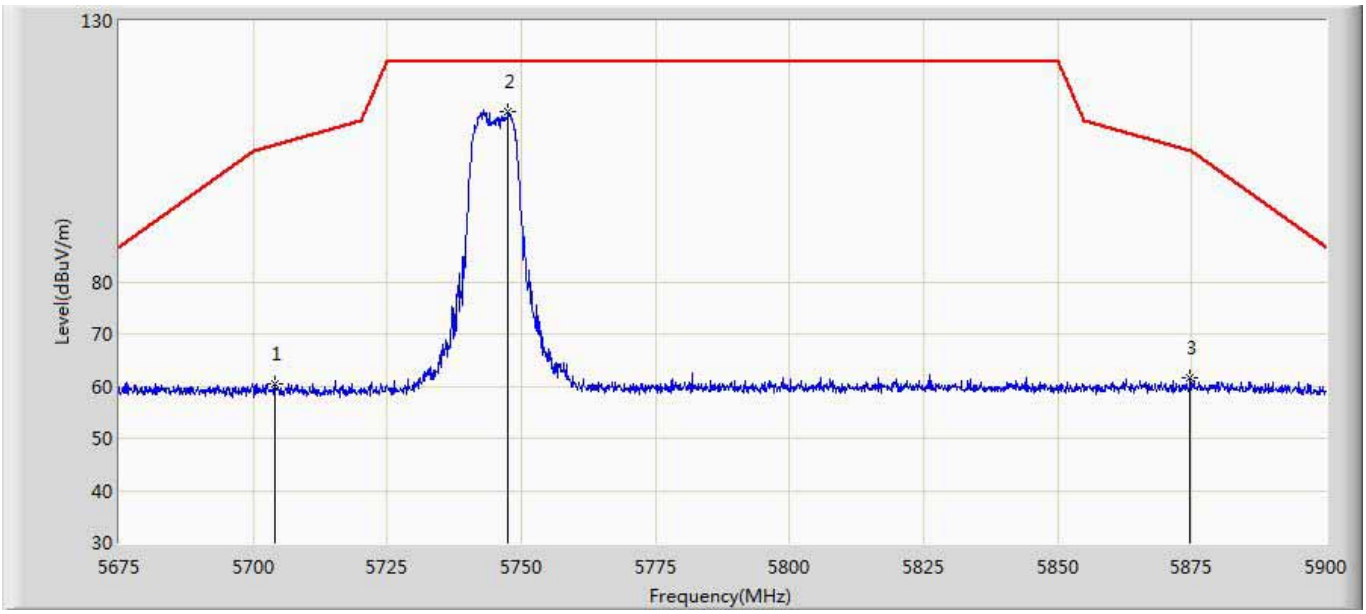
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.161	16.666	-16.839	74.000	40.495	PK
2	*	5181.800	96.953	56.455	22.953	74.000	40.498	PK

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)	



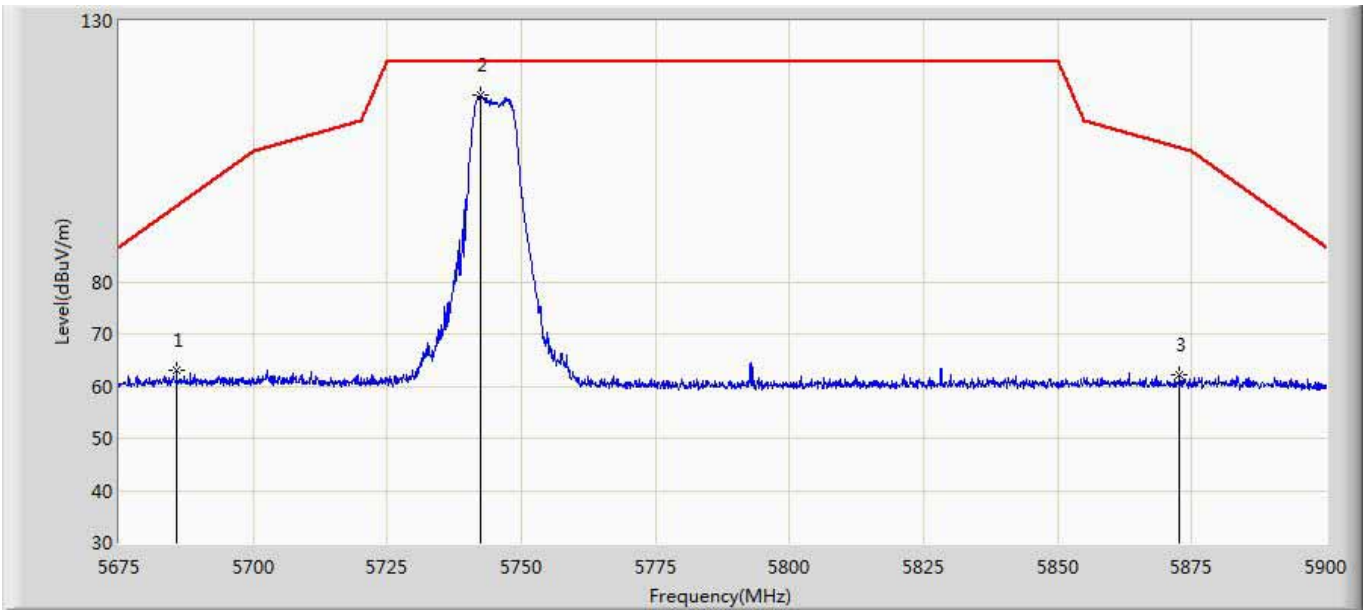
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	46.102	5.607	-7.898	54.000	40.495	AV
2	*	5182.850	101.364	60.882	47.364	54.000	40.482	AV

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)	



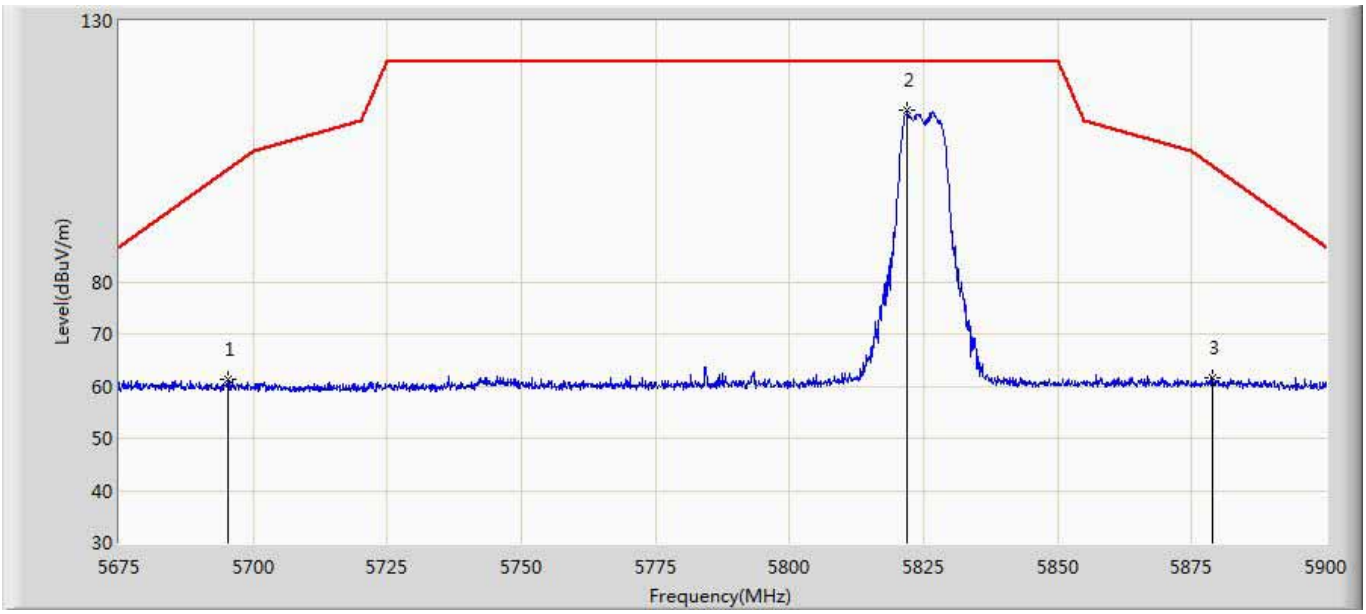
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5704.025	60.354	18.746	-45.973	106.327	41.608	PK
2	*	5747.450	112.640	70.738	-9.560	122.200	41.902	PK
3		5874.687	61.682	19.150	-43.606	105.288	42.532	PK

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)	



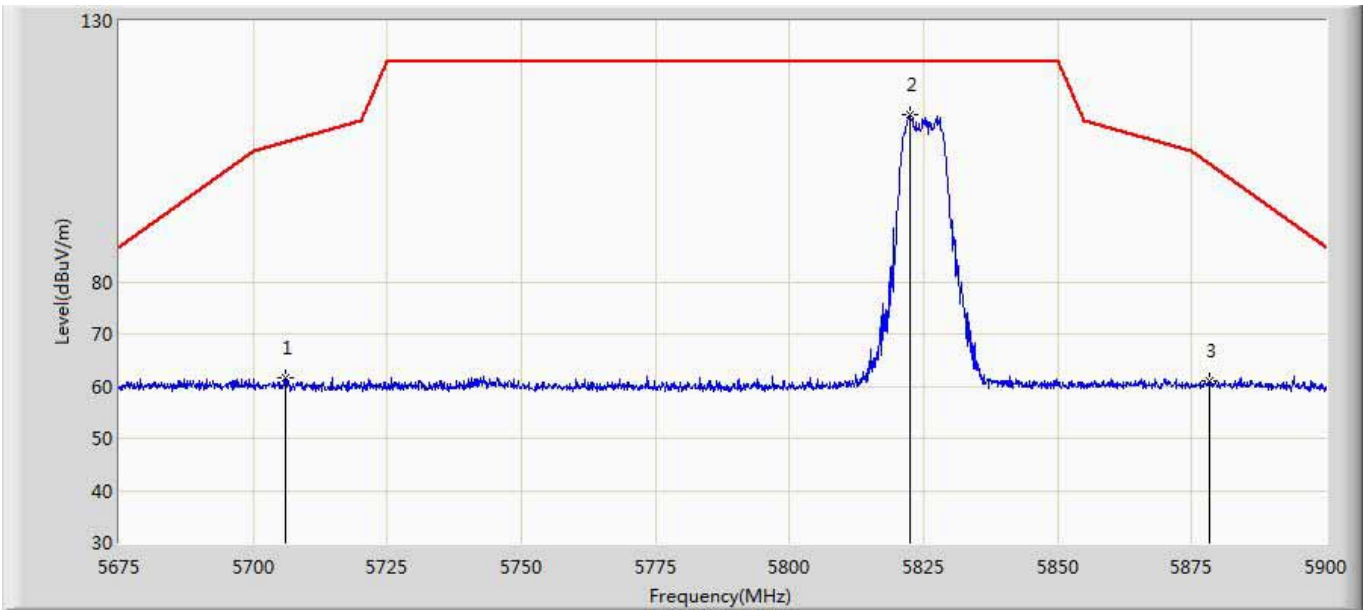
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5685.687	62.906	21.223	-31.702	94.608	41.683	PK
2	*	5742.500	115.663	73.781	-6.537	122.200	41.882	PK
3		5872.775	62.096	19.579	-43.727	105.823	42.517	PK

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)	



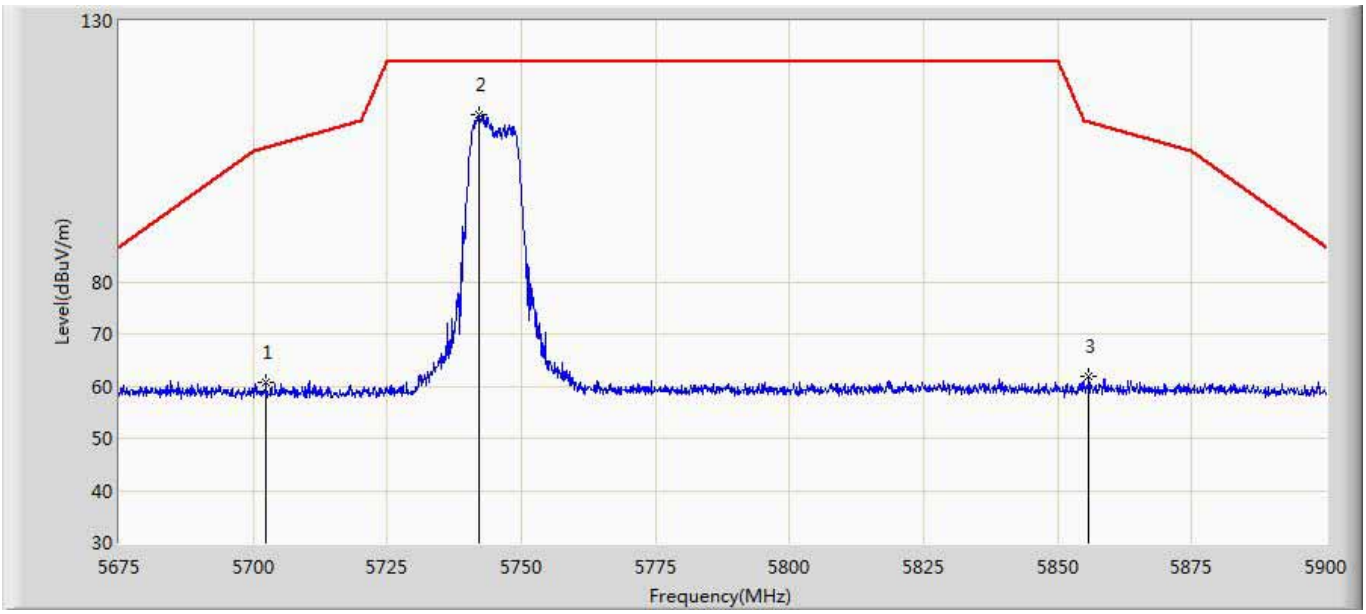
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5695.250	61.397	19.690	-40.288	101.685	41.708	PK
2	*	5822.038	112.822	70.884	-9.378	122.200	41.939	PK
3		5878.962	61.635	19.070	-40.633	102.268	42.565	PK

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)	



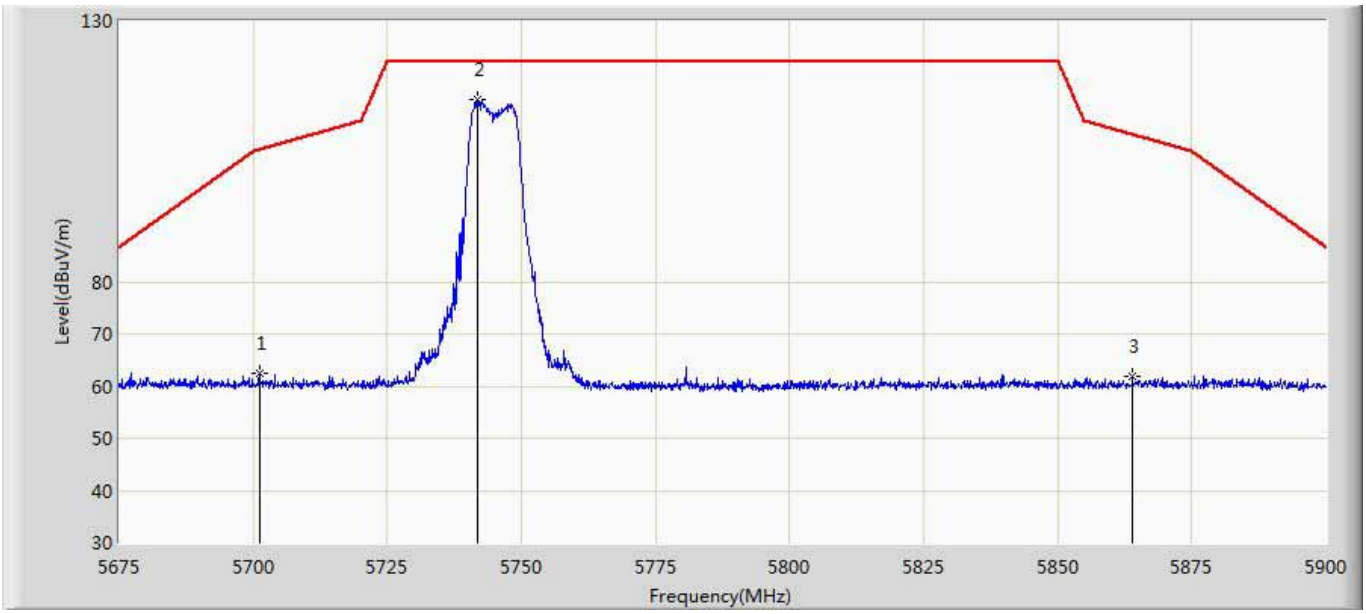
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5705.937	61.584	19.998	-45.278	106.862	41.586	PK
2	*	5822.487	112.115	70.171	-10.085	122.200	41.944	PK
3		5878.175	60.966	18.407	-41.884	102.850	42.559	PK

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)	



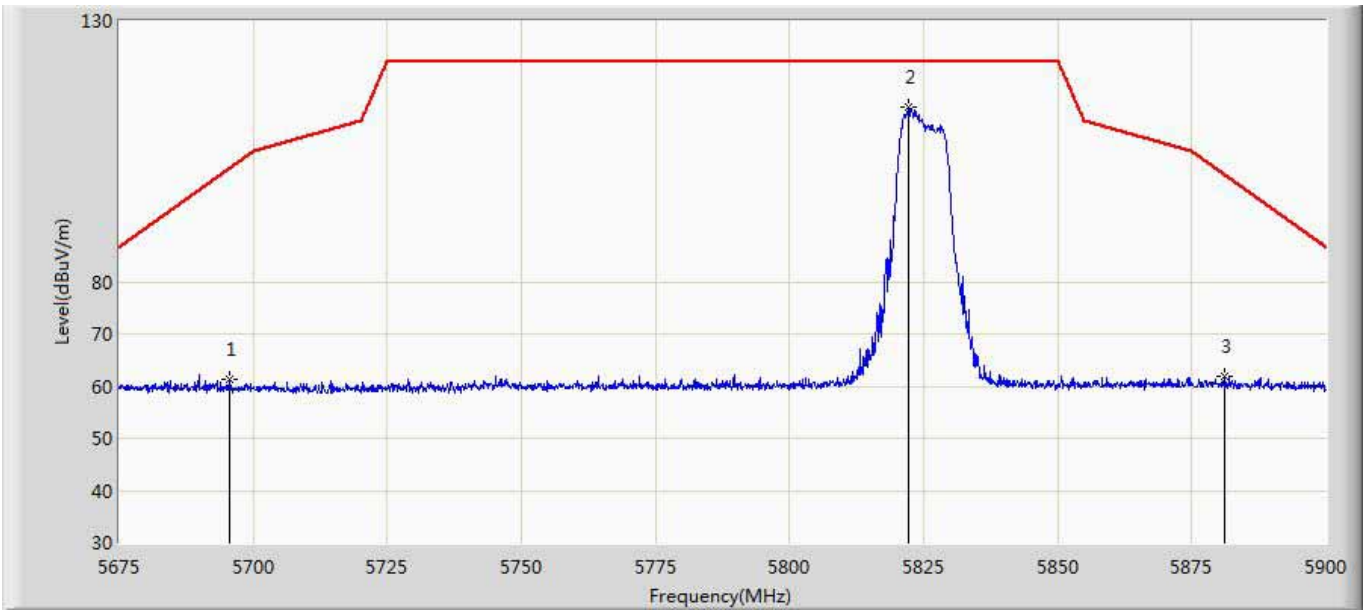
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5702.450	60.602	18.976	-45.284	105.886	41.626	PK
2	*	5742.050	112.156	70.278	-10.044	122.200	41.878	PK
3		5855.788	61.924	19.604	-48.655	110.579	42.320	PK

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)	



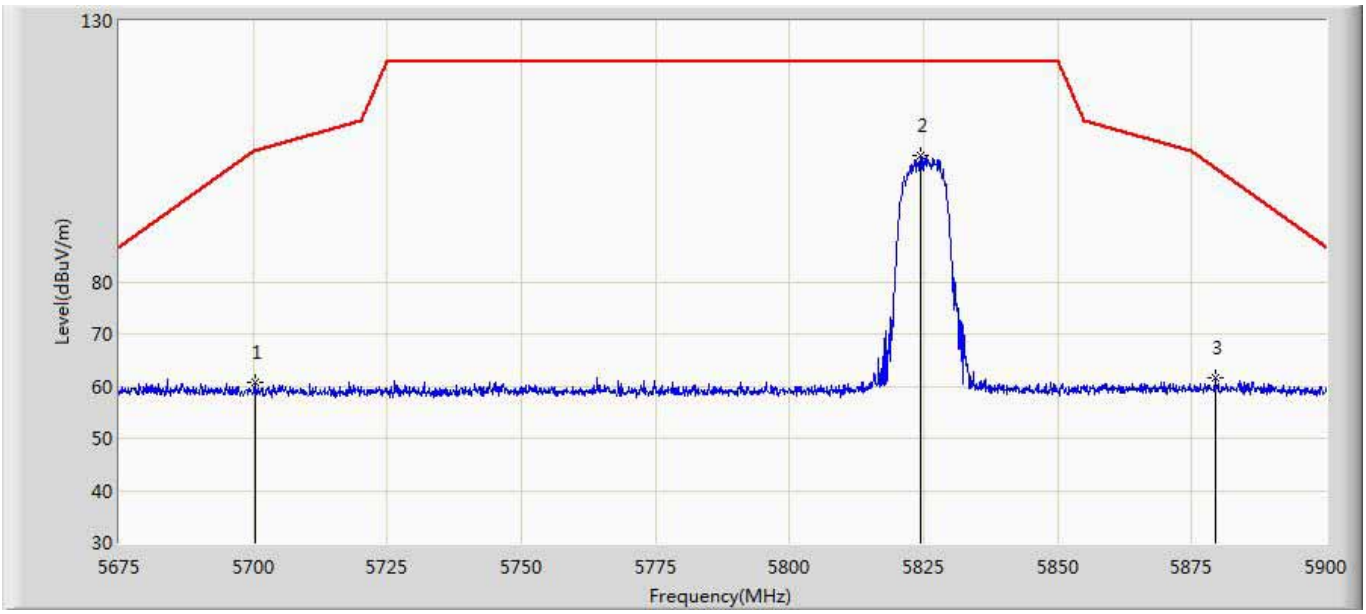
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5701.100	62.525	20.884	-42.983	105.508	41.641	PK
2	*	5741.937	114.886	73.009	-7.314	122.200	41.876	PK
3		5863.888	61.859	19.411	-46.453	108.311	42.448	PK

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)	



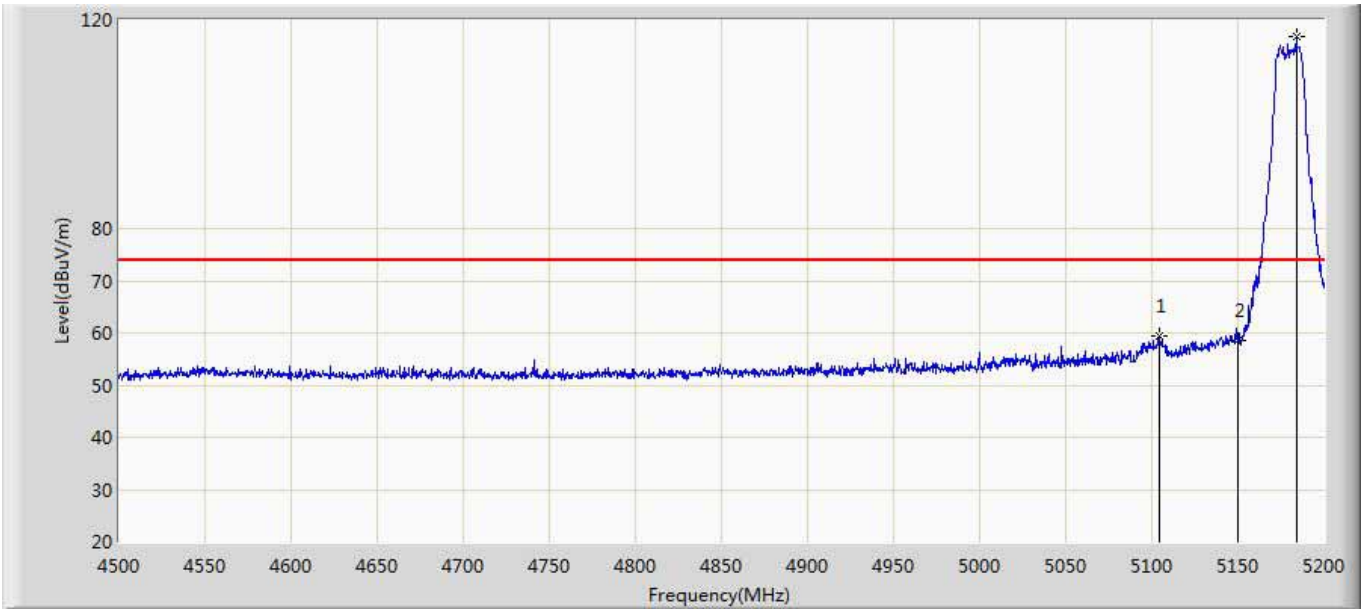
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5695.475	61.428	19.723	-40.424	101.852	41.705	PK
2	*	5822.263	113.411	71.470	-8.789	122.200	41.941	PK
3		5881.100	61.766	19.258	-38.920	100.686	42.508	PK

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)	



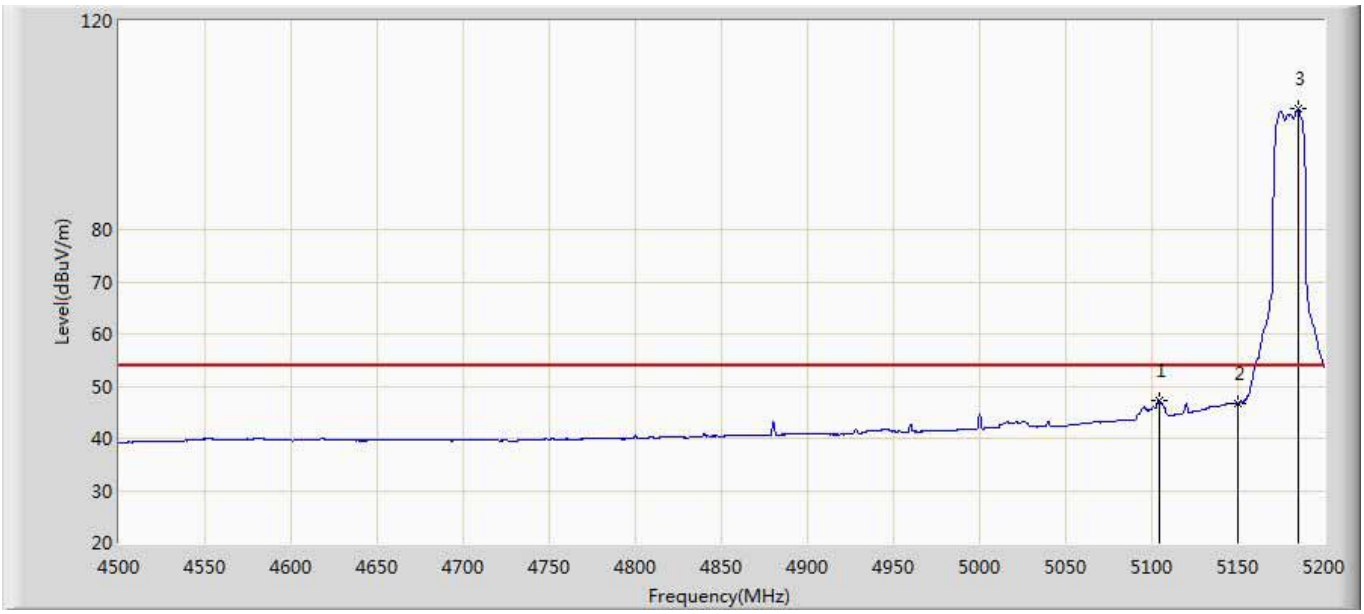
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5700.312	60.756	19.106	-44.531	105.287	41.650	PK
2	*	5824.400	104.325	62.357	-17.875	122.200	41.968	PK
3		5879.300	61.623	19.066	-40.395	102.018	42.557	PK

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)	



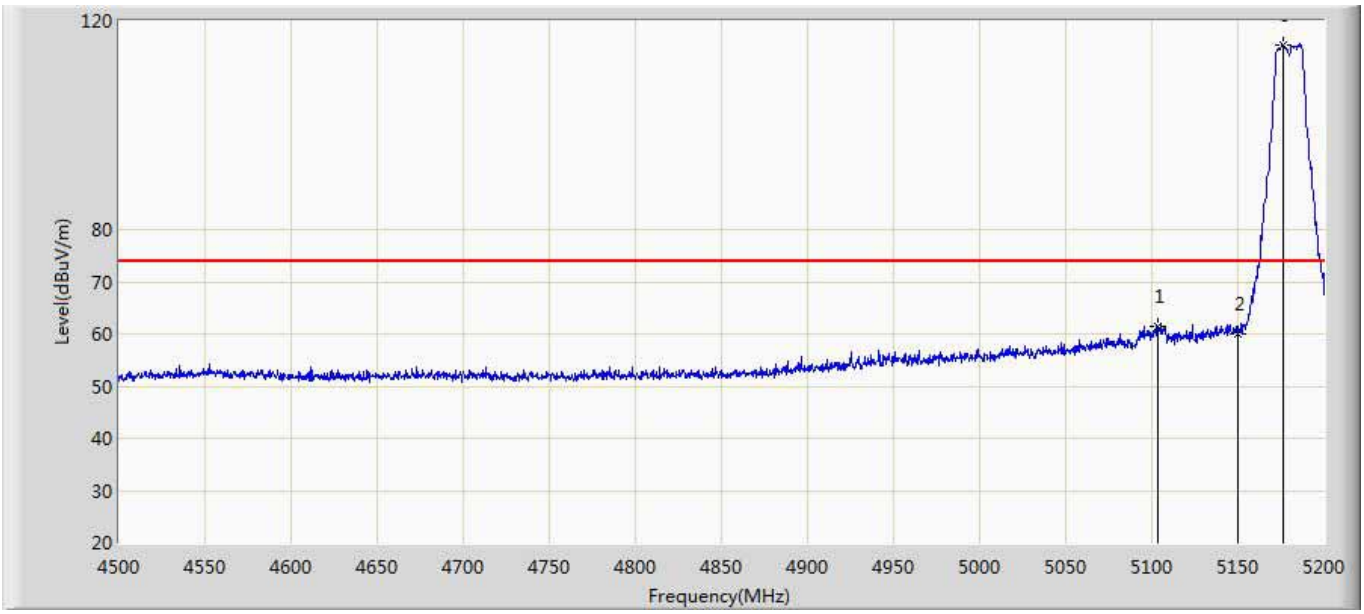
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5104.100	59.485	17.594	-14.515	74.000	41.891	PK
2		5150.000	58.502	16.487	-15.498	74.000	42.015	PK
3	*	5183.900	116.795	74.662	42.795	74.000	42.133	PK

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)	



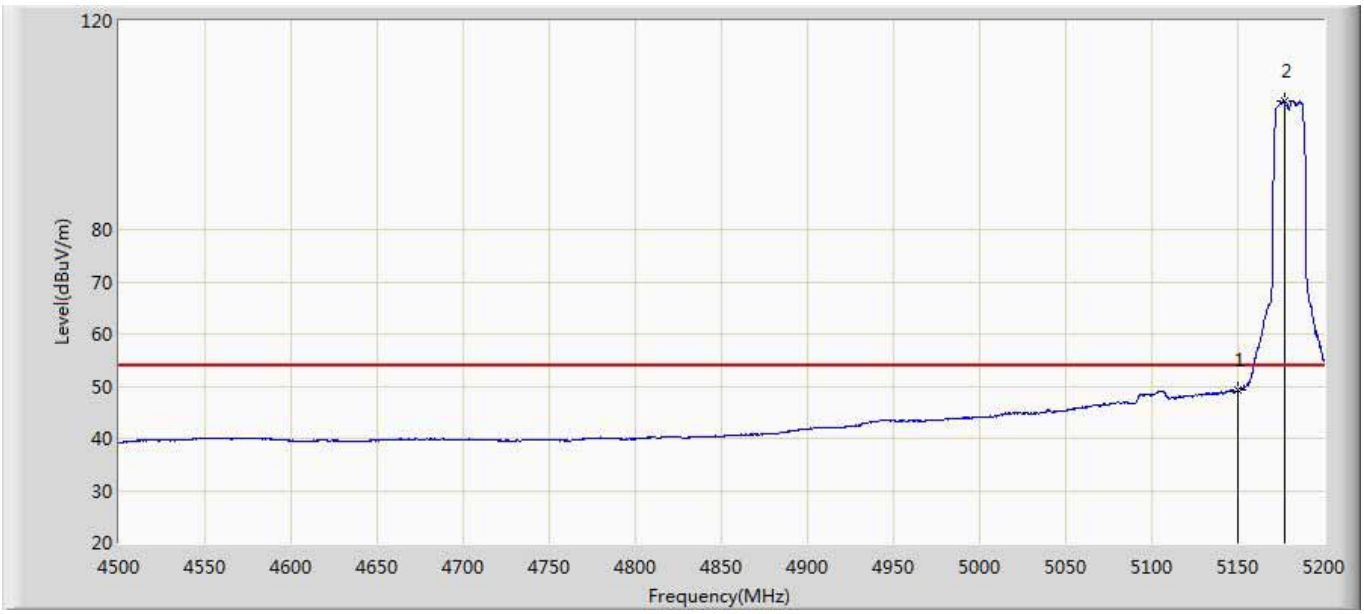
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5104.100	47.288	5.397	-6.712	54.000	41.891	AV
2		5150.000	46.721	4.706	-7.279	54.000	42.015	AV
3	*	5184.950	103.076	60.950	49.076	54.000	42.126	AV

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)	



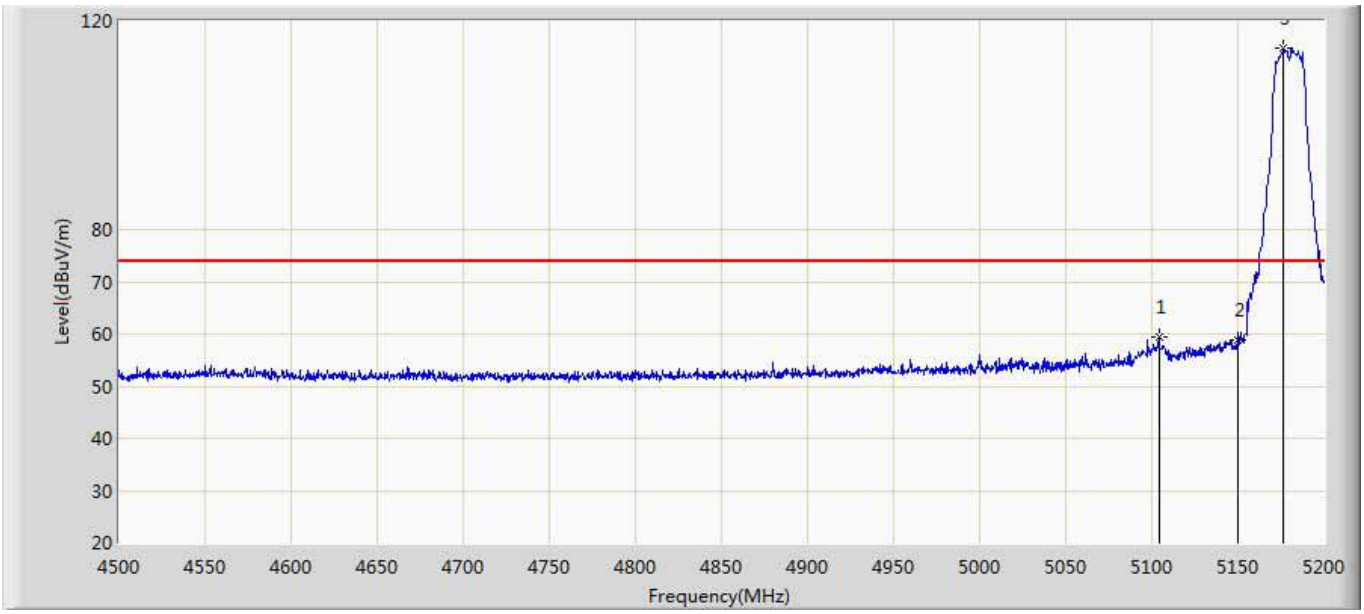
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5103.400	61.588	19.707	-12.412	74.000	41.880	PK
2		5150.000	60.065	18.050	-13.935	74.000	42.015	PK
3	*	5176.550	115.412	73.267	41.412	74.000	42.146	PK

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)	



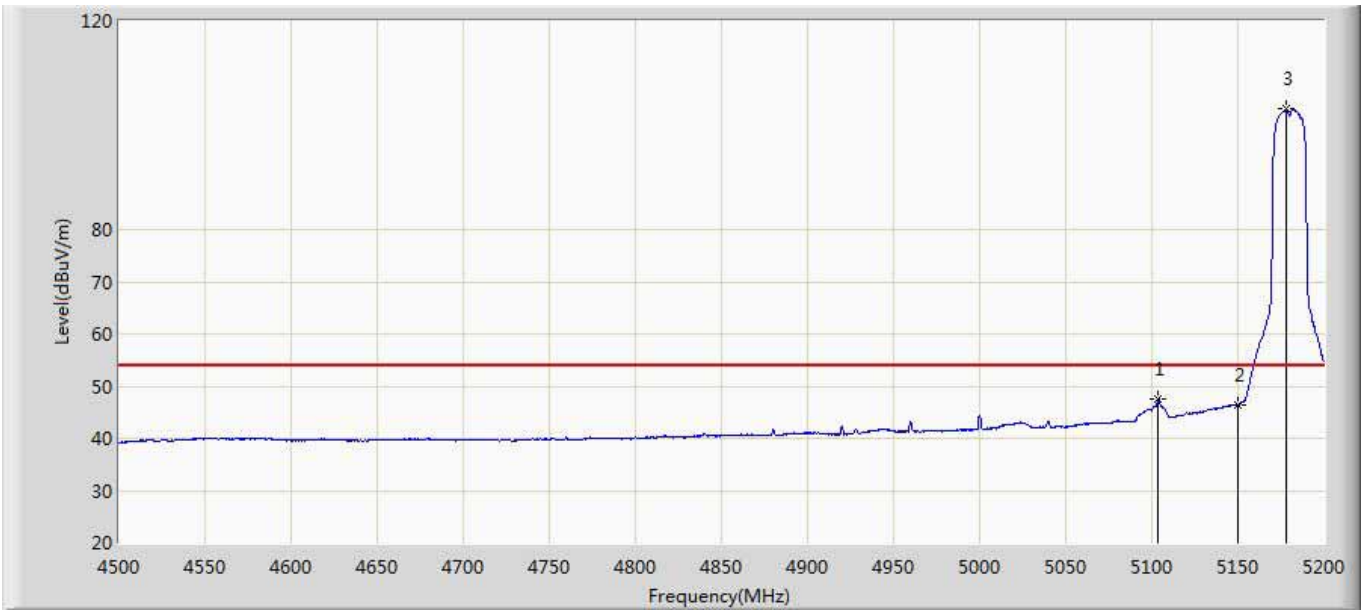
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	49.193	7.178	-4.807	54.000	42.015	AV
2	*	5176.900	104.667	62.522	50.667	54.000	42.145	AV

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)	



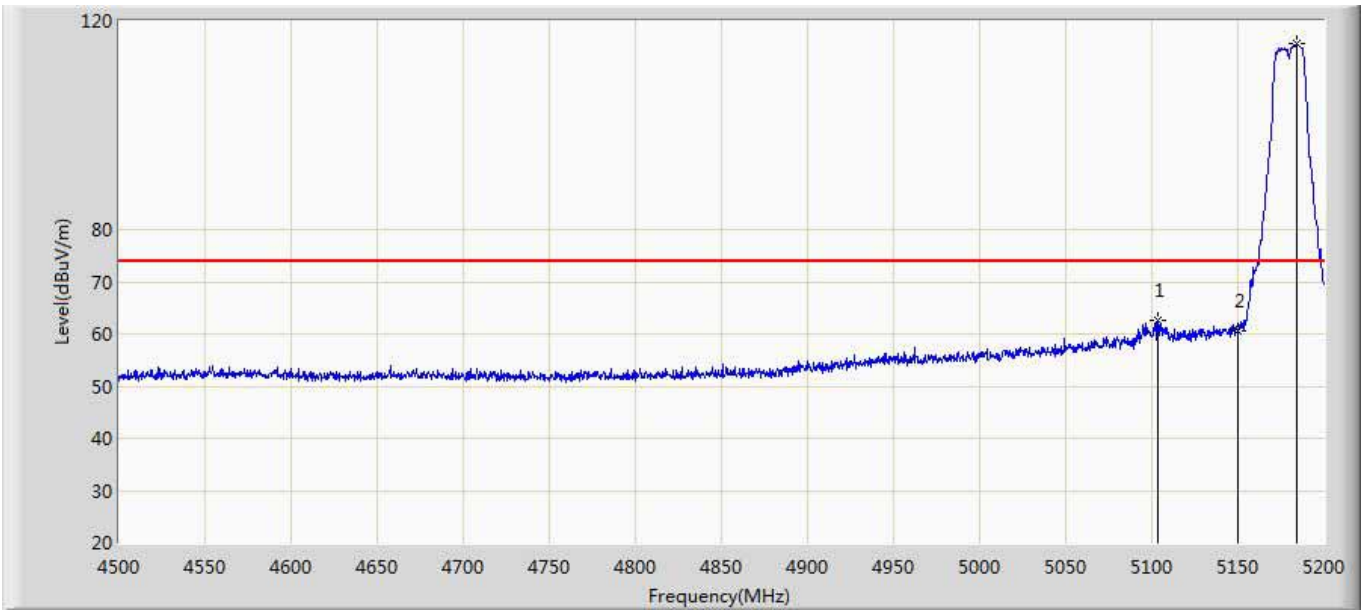
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5104.100	59.425	17.534	-14.575	74.000	41.891	PK
2		5150.000	58.882	16.867	-15.118	74.000	42.015	PK
3	*	5176.550	114.839	72.694	40.839	74.000	42.146	PK

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)	



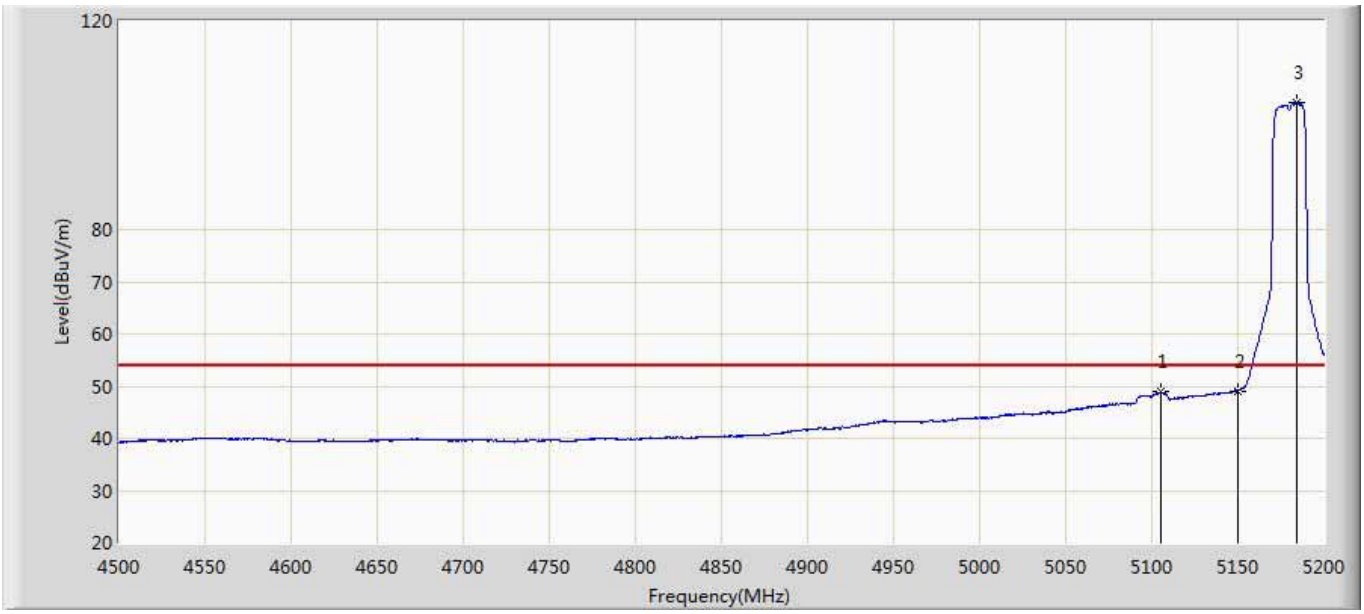
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5103.750	47.471	5.585	-6.529	54.000	41.886	AV
2		5150.000	46.356	4.341	-7.644	54.000	42.015	AV
3	*	5178.300	103.078	60.933	49.078	54.000	42.145	AV

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)	



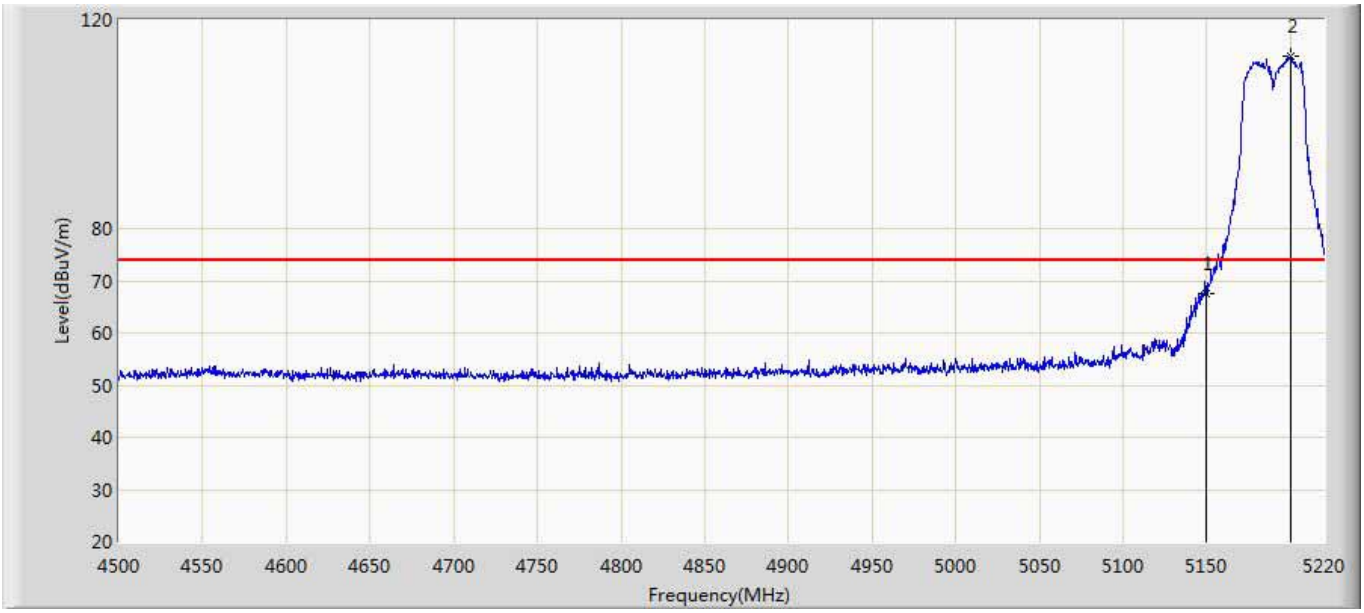
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5103.400	62.712	20.831	-11.288	74.000	41.880	PK
2		5150.000	60.658	18.643	-13.342	74.000	42.015	PK
3	*	5184.250	115.715	73.584	41.715	74.000	42.131	PK

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)	



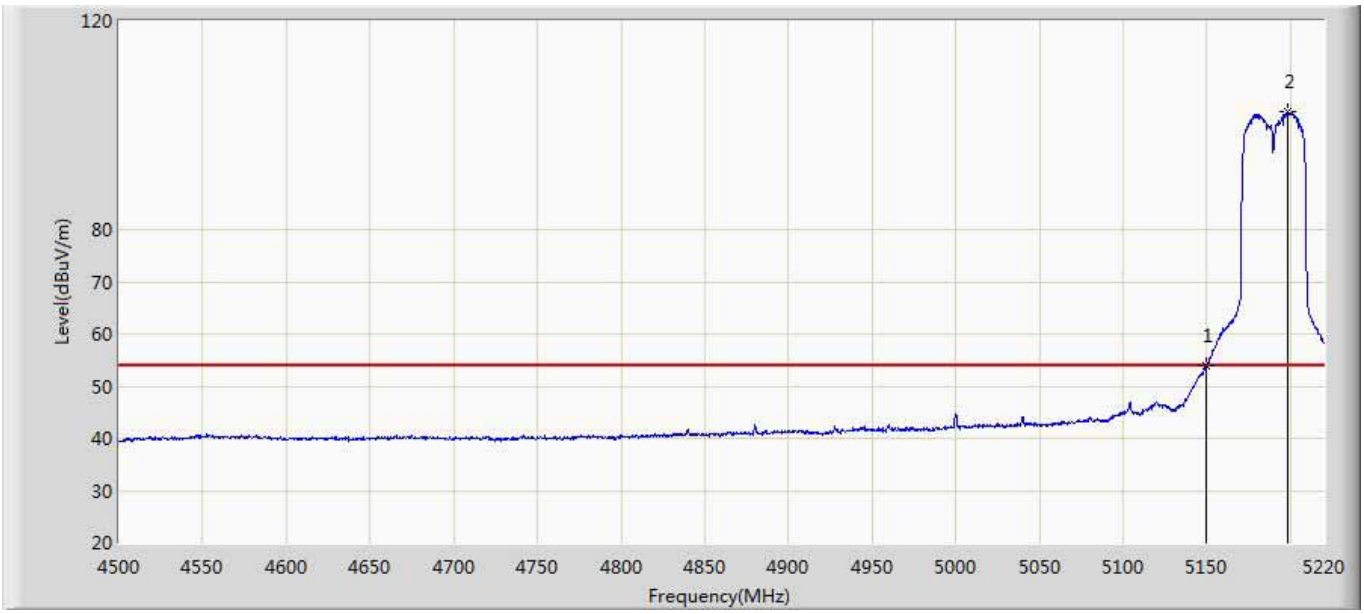
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5105.500	48.845	6.932	-5.155	54.000	41.912	AV
2		5150.000	49.120	7.105	-4.880	54.000	42.015	AV
3	*	5184.250	104.390	62.259	50.390	54.000	42.131	AV

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)	



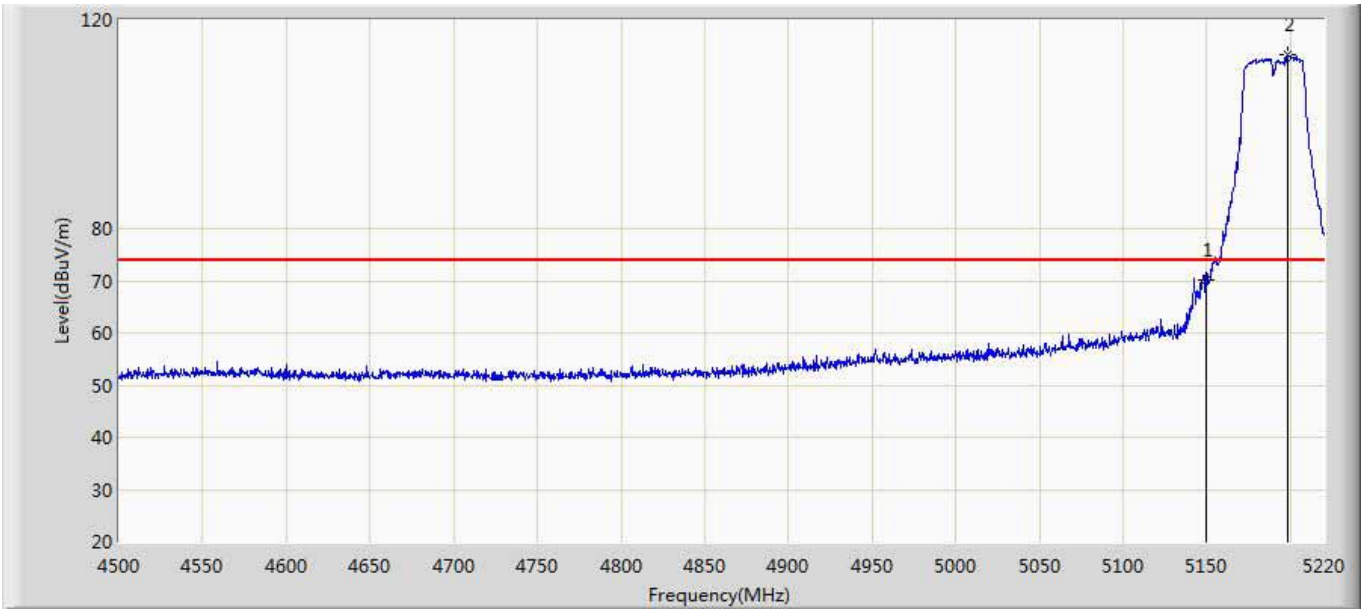
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	67.392	25.377	-6.608	74.000	42.015	PK
2	*	5200.560	113.108	71.077	39.108	74.000	42.032	PK

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)	



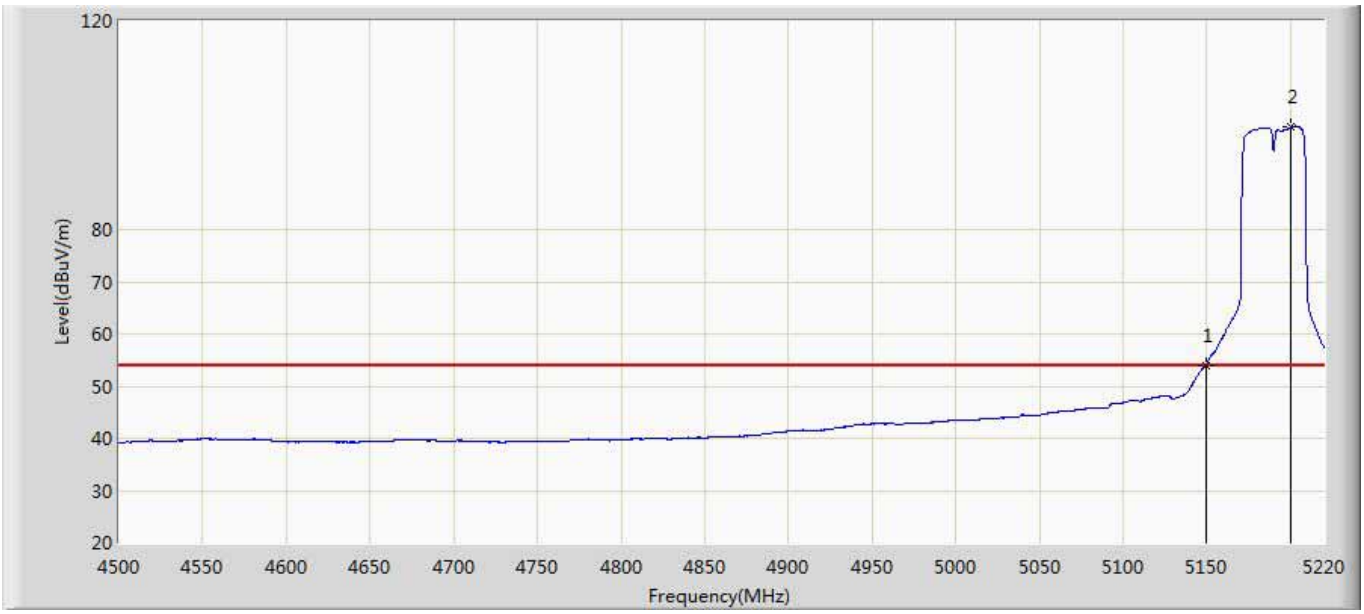
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.924	11.909	-0.076	54.000	42.015	AV
2	*	5198.400	102.474	60.434	48.474	54.000	42.040	AV

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)	



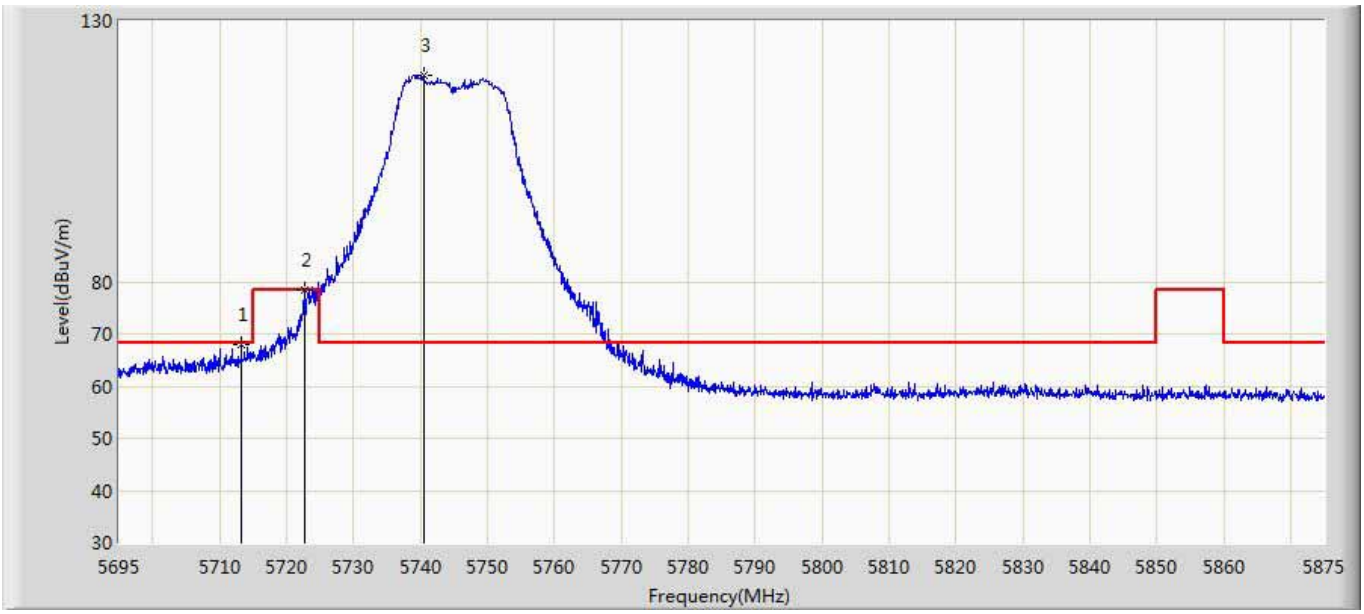
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	70.135	28.120	-3.865	74.000	42.015	PK
2	*	5198.040	113.463	71.420	39.463	74.000	42.043	PK

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)	



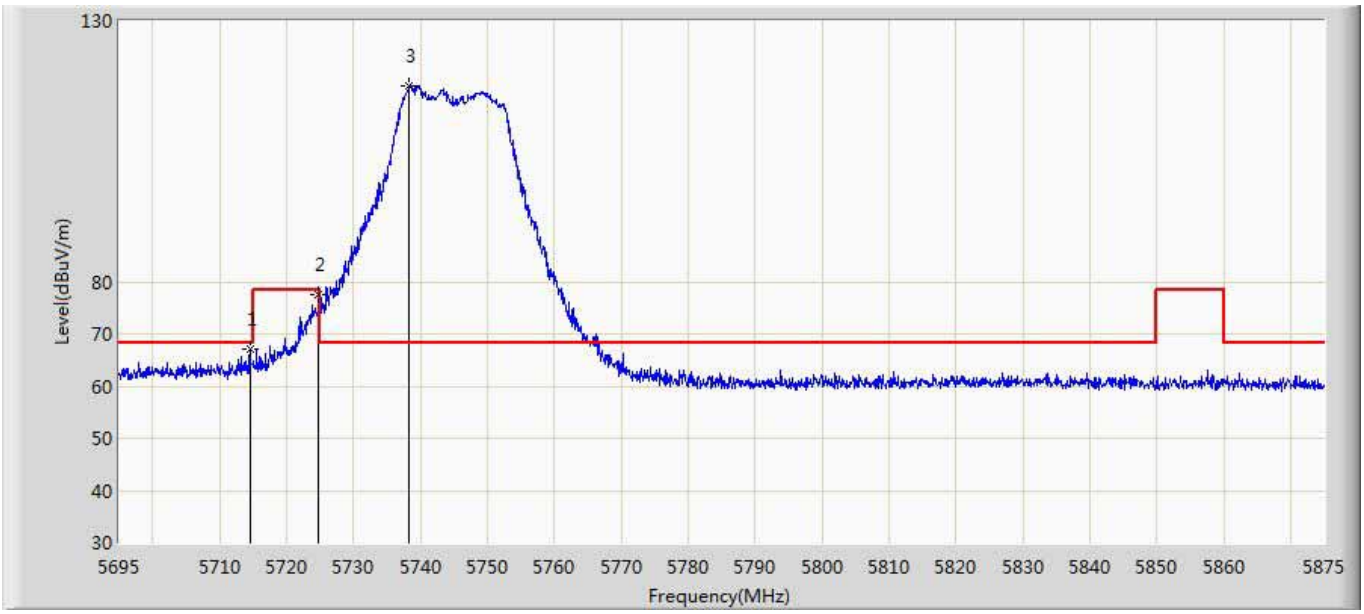
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.934	11.919	-0.066	54.000	42.015	AV
2	*	5200.560	99.662	57.631	45.662	54.000	42.032	AV

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)	



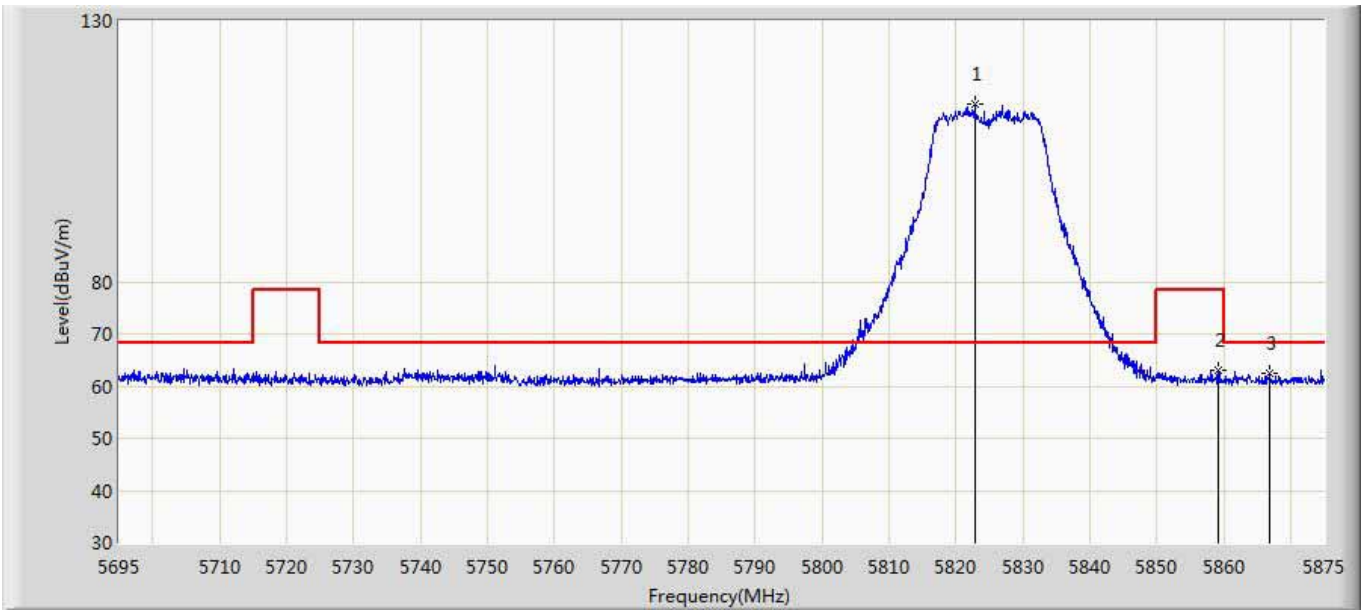
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.270	67.966	24.660	-0.334	68.300	43.306	PK
2		5722.720	78.281	35.007	-0.019	78.300	43.274	PK
3	*	5740.540	119.653	76.356	51.353	68.300	43.297	PK

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)	



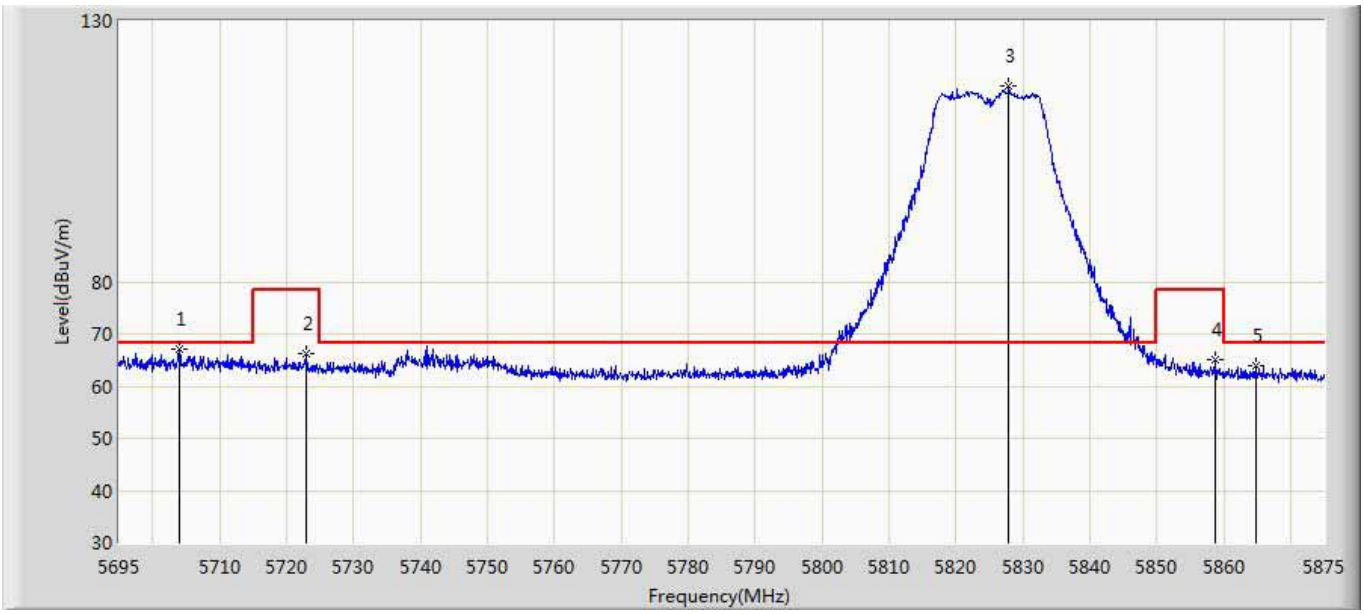
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.530	67.114	23.812	-1.186	68.300	43.301	PK
2		5724.790	77.422	34.155	-0.878	78.300	43.266	PK
3	*	5738.380	117.536	74.244	49.236	68.300	43.291	PK

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)	



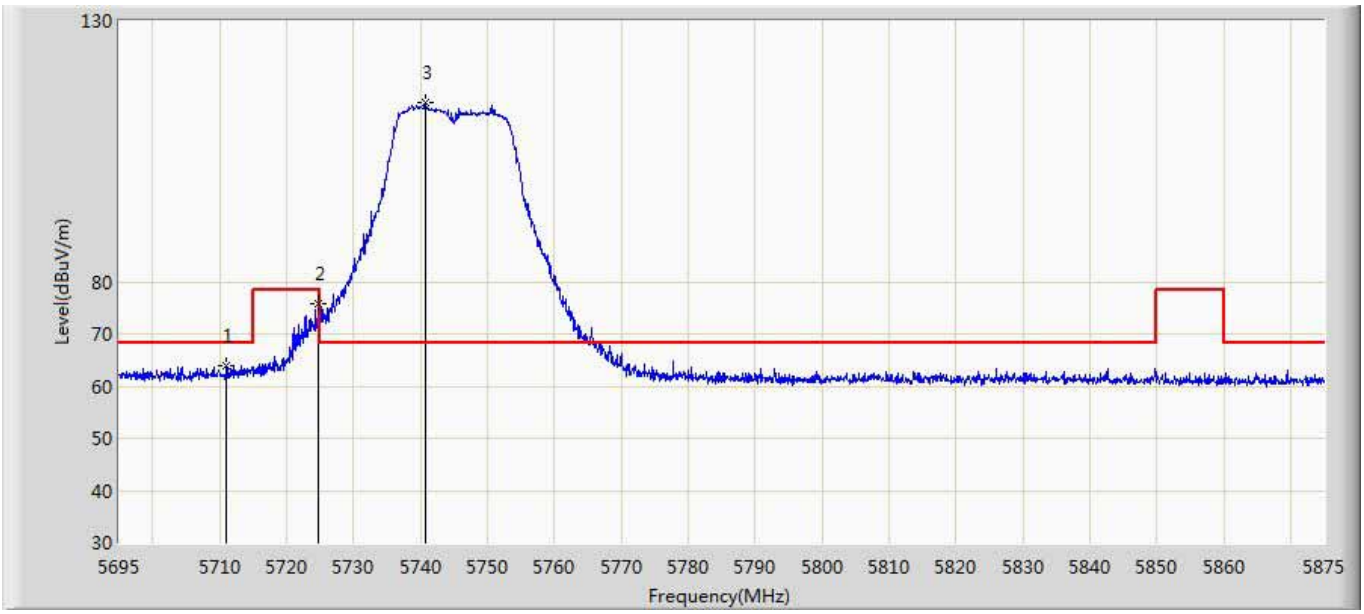
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5822.800	114.105	70.707	45.805	68.300	43.398	PK
2		5859.160	63.087	19.548	-15.213	78.300	43.539	PK
3		5866.990	62.557	18.980	-5.743	68.300	43.577	PK

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)	



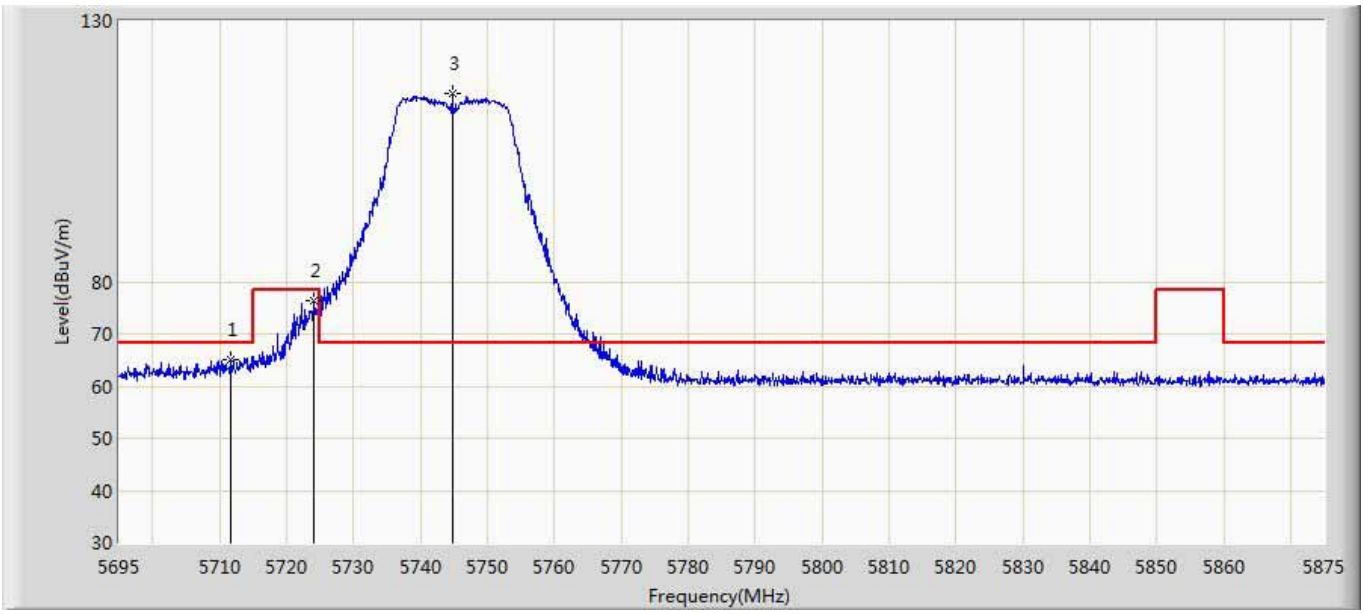
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5703.910	66.972	23.668	-1.328	68.300	43.305	PK
2		5722.900	66.362	23.089	-11.938	78.300	43.273	PK
3	*	5827.930	117.604	74.194	49.304	68.300	43.410	PK
4		5858.710	65.046	21.510	-13.254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



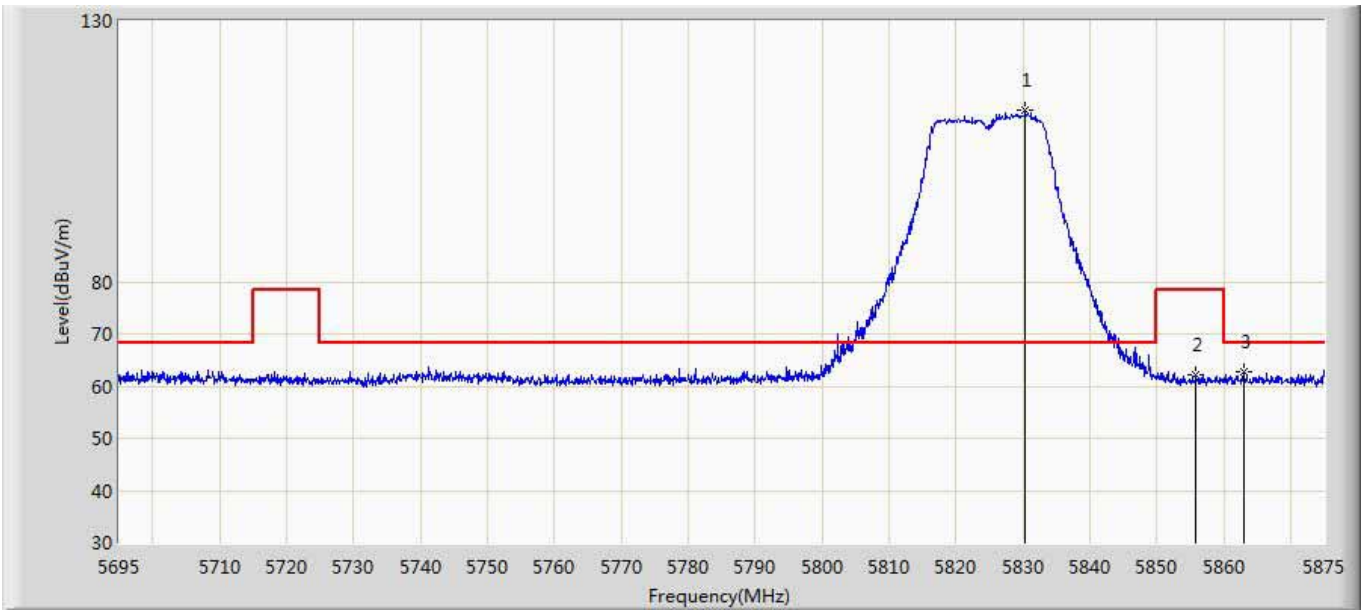
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5711.020	63.948	20.634	-4.352	68.300	43.314	PK
2		5724.880	75.795	32.529	-2.505	78.300	43.266	PK
3	*	5740.720	114.449	71.152	46.149	68.300	43.298	PK

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)	



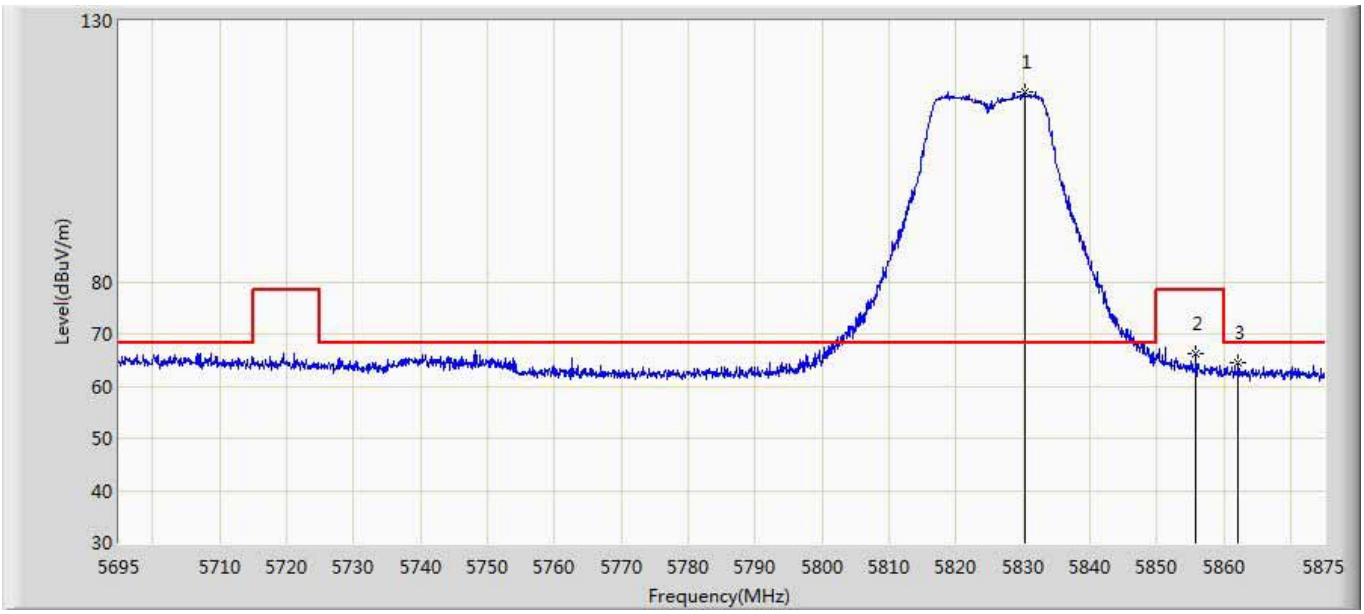
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5711.650	65.113	21.802	-3.187	68.300	43.312	PK
2		5724.070	76.258	32.989	-2.042	78.300	43.269	PK
3	*	5744.770	116.157	72.861	47.857	68.300	43.296	PK

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)	



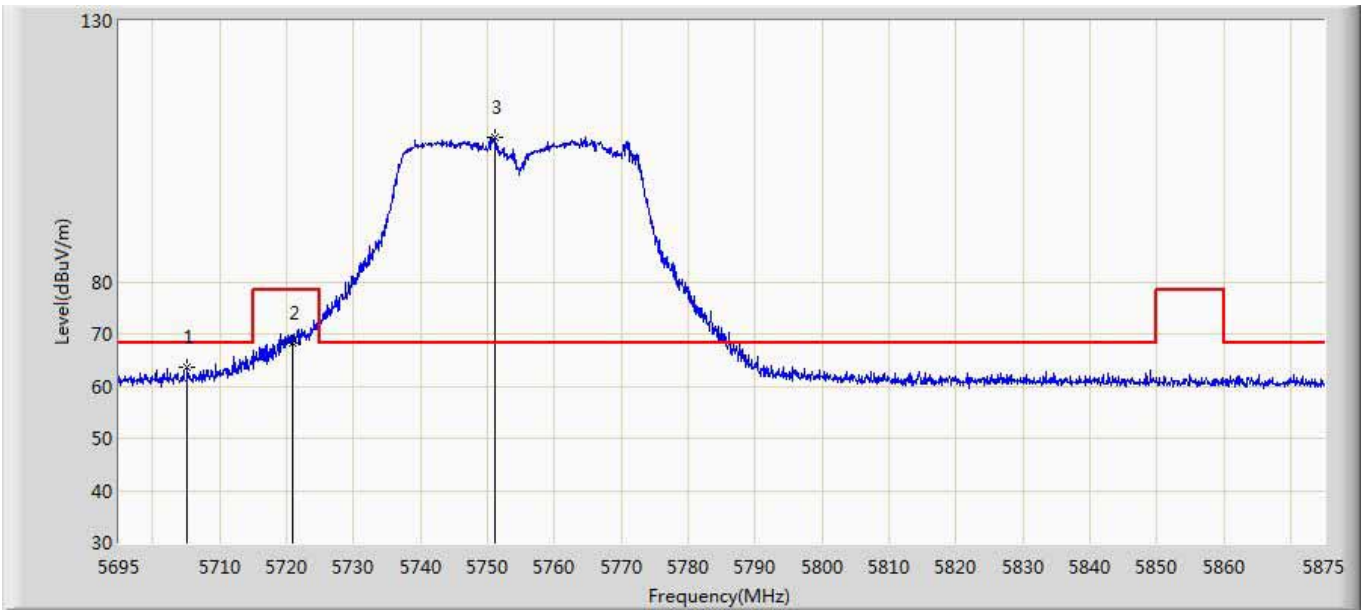
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5830.450	112.860	69.447	44.560	68.300	43.412	PK
2		5855.920	62.224	18.709	-16.076	78.300	43.514	PK
3		5862.940	62.797	19.233	-5.503	68.300	43.564	PK

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)	



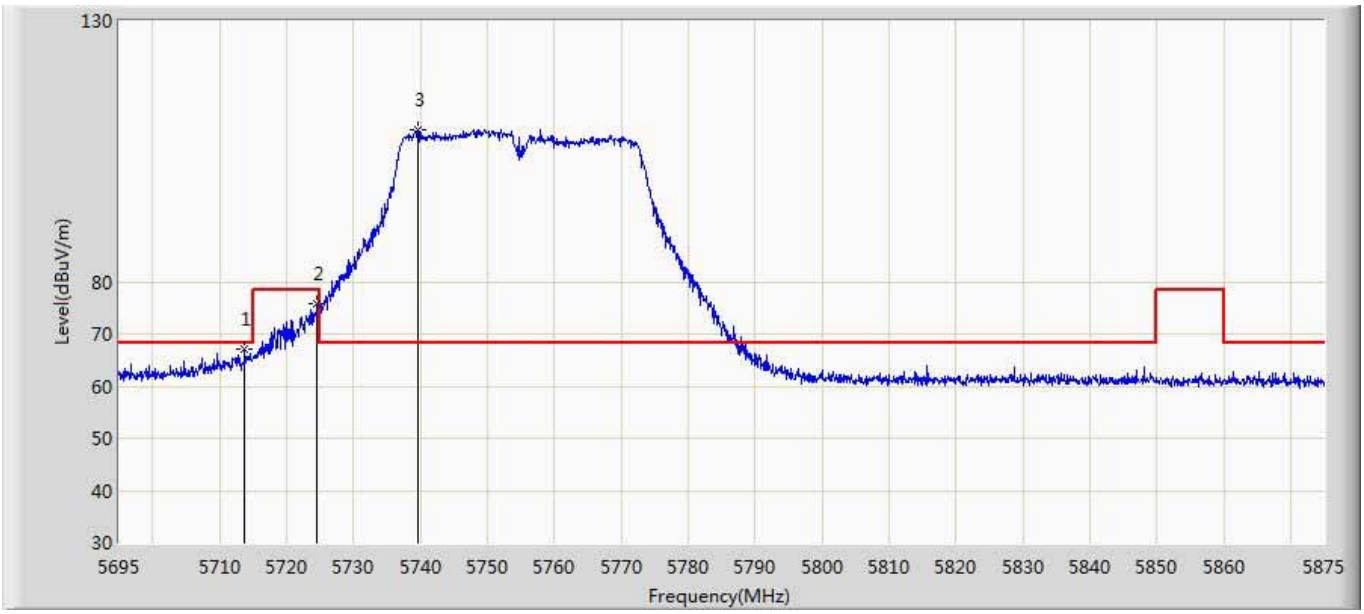
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5830.270	116.232	72.819	47.932	68.300	43.412	PK
2		5855.920	66.355	22.840	-11.945	78.300	43.514	PK
3		5862.220	64.517	20.955	-3.783	68.300	43.562	PK

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)	



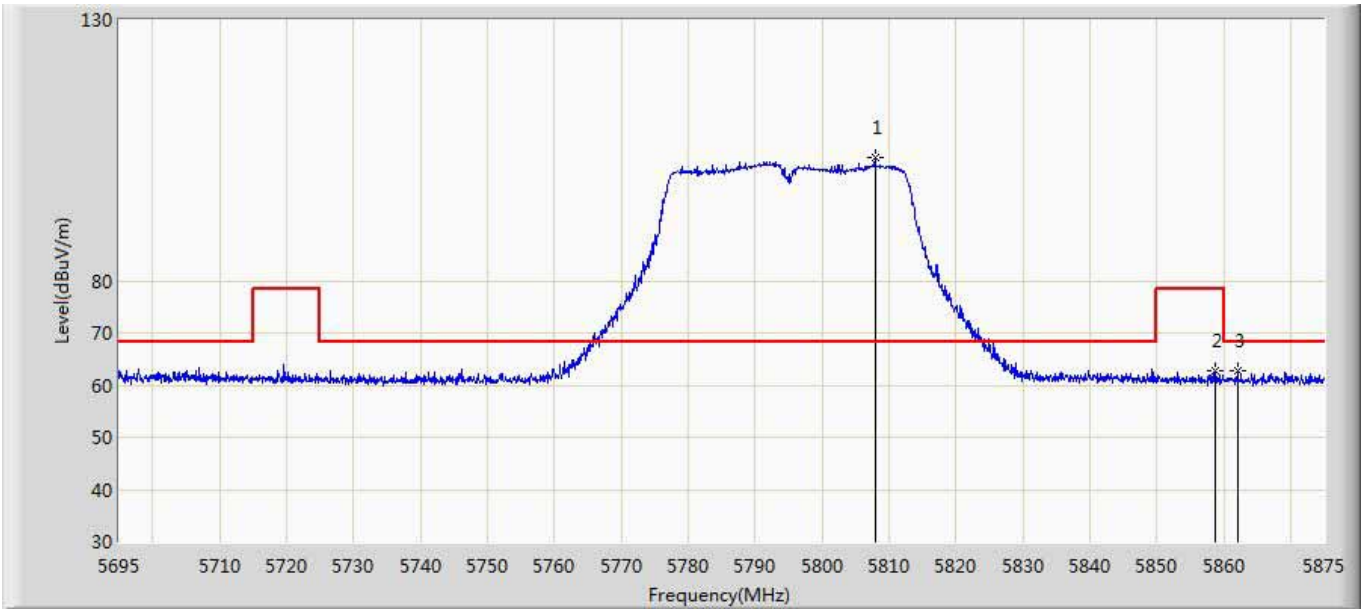
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5705.260	63.711	20.402	-4.589	68.300	43.309	PK
2		5720.830	68.245	24.965	-10.055	78.300	43.280	PK
3	*	5751.070	107.628	64.354	39.328	68.300	43.274	PK

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)	



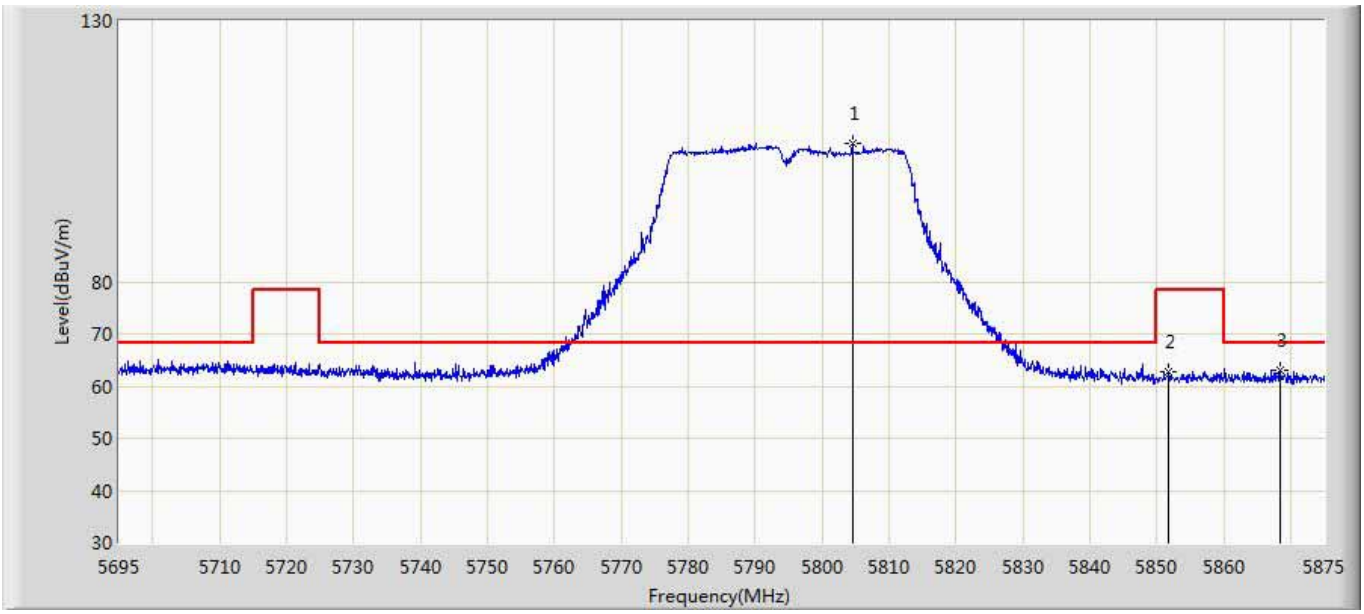
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.810	67.136	23.832	-1.164	68.300	43.305	PK
2		5724.610	75.804	32.537	-2.496	78.300	43.267	PK
3	*	5739.640	109.095	65.800	40.795	68.300	43.295	PK

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

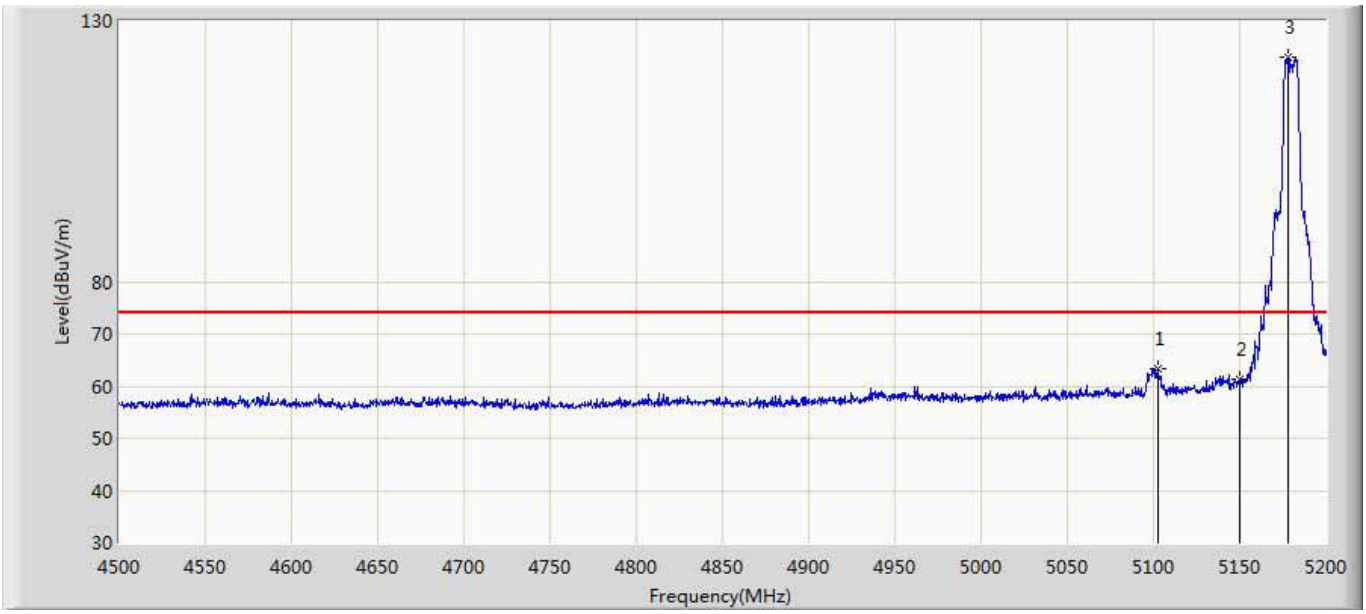
Engineer: Frank	
Site: AC5	Time: 2016/04/14 - 21:53
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: WBS510	Power: AC 120V/60Hz
Note: Mode5: Transmit at CH5795 by 802.11n(40MHz)	



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

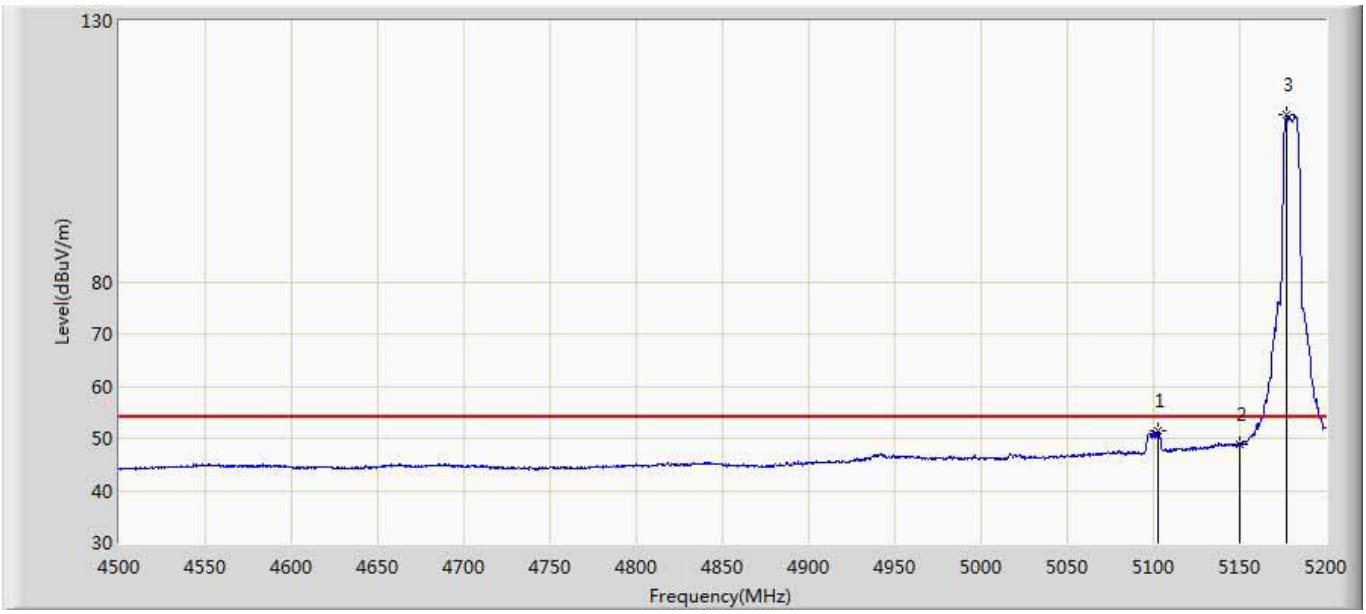
For Dipole Antenna

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)	



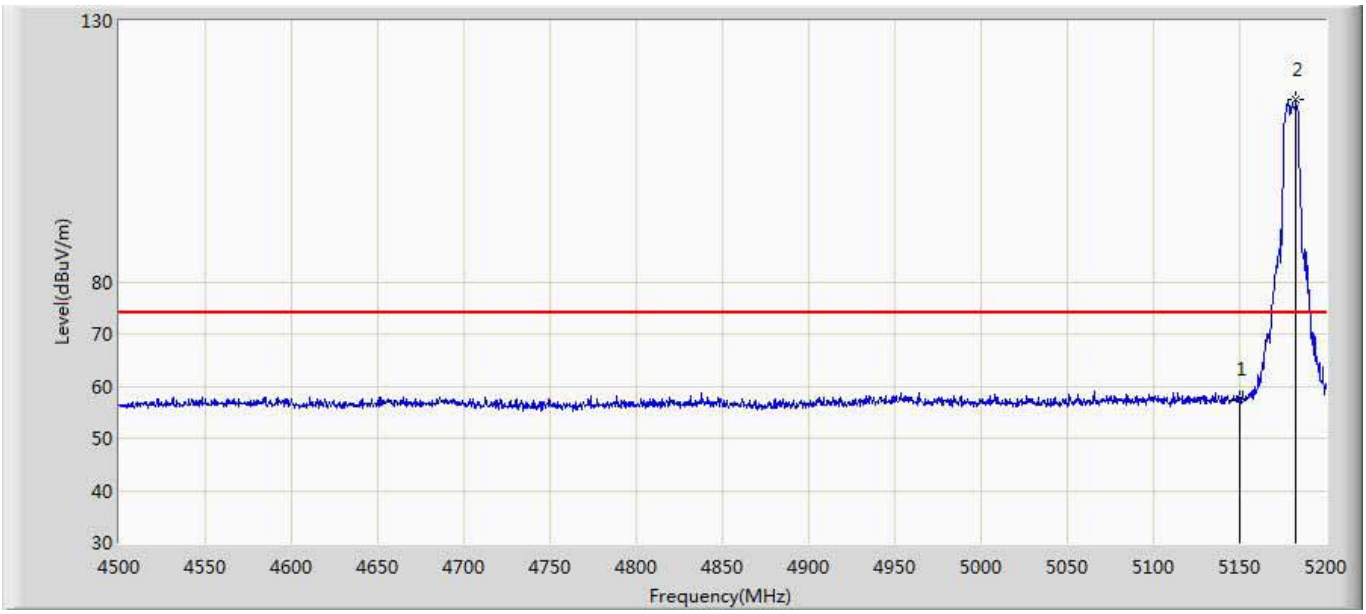
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5102.700	63.417	23.184	-10.583	74.000	40.233	PK
2		5150.000	61.276	20.781	-12.724	74.000	40.495	PK
3	*	5177.950	122.934	82.342	48.934	74.000	40.592	PK

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)	



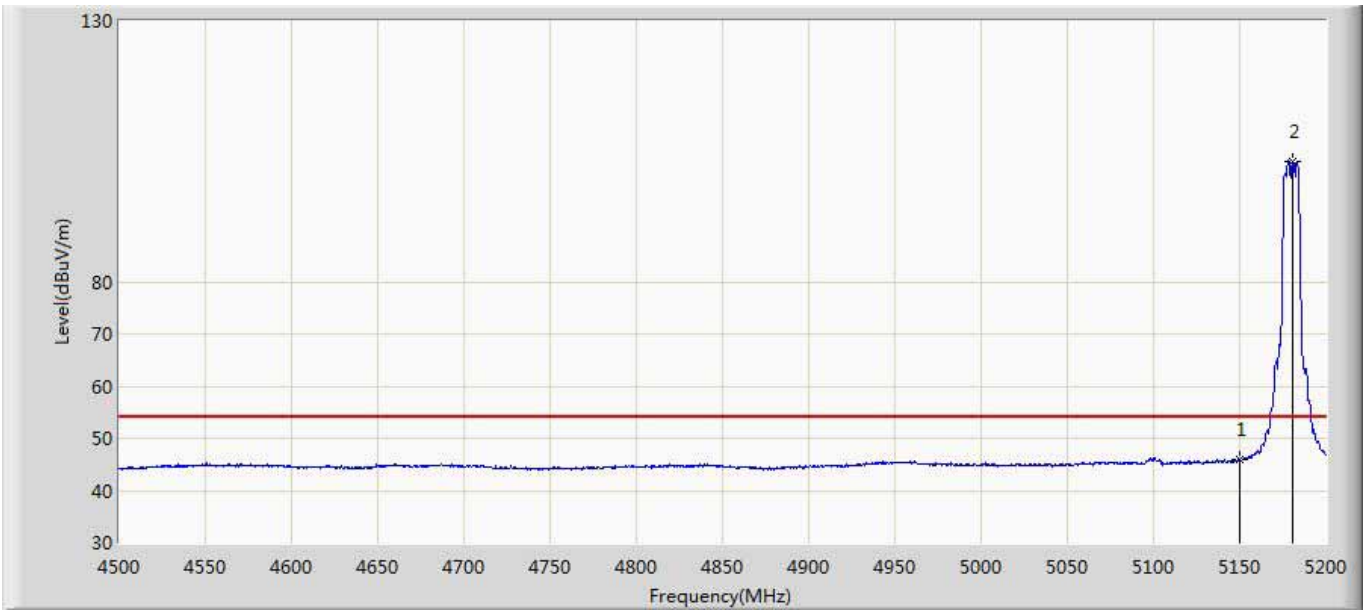
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5102.350	51.378	11.148	-2.622	54.000	40.229	AV
2		5150.000	48.929	8.434	-5.071	54.000	40.495	AV
3	*	5177.600	111.997	71.397	57.997	54.000	40.601	AV

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)	



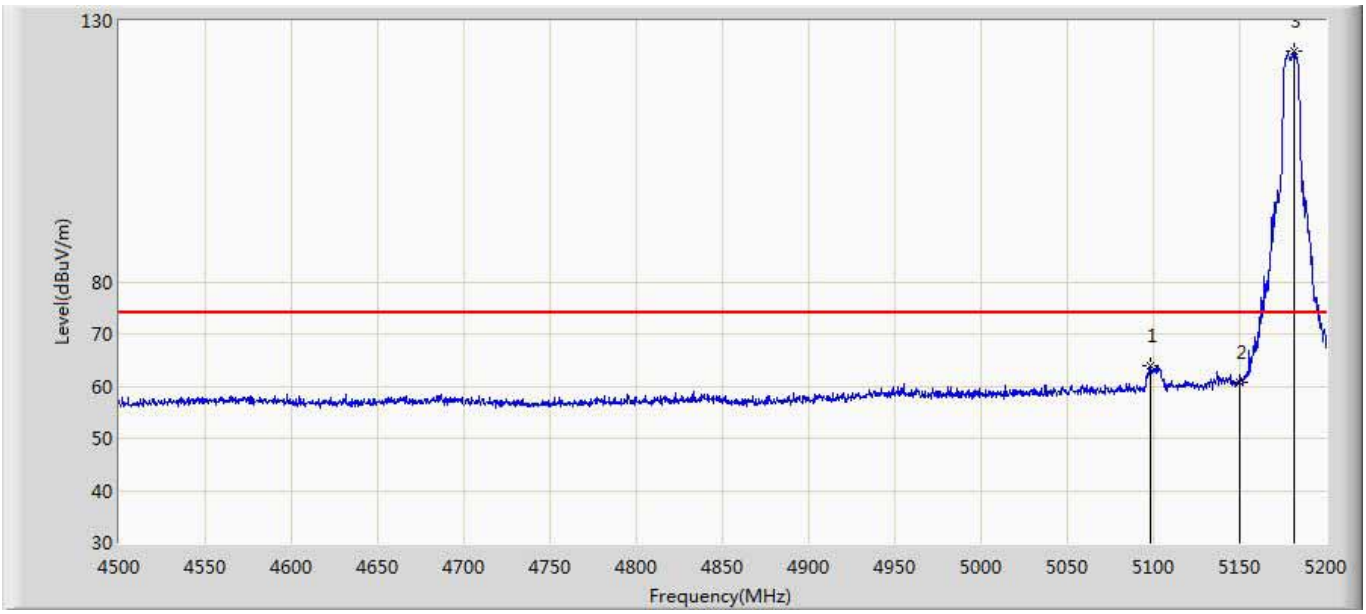
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.542	17.047	-16.458	74.000	40.495	PK
2	*	5182.850	114.814	74.332	40.814	74.000	40.482	PK

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)	



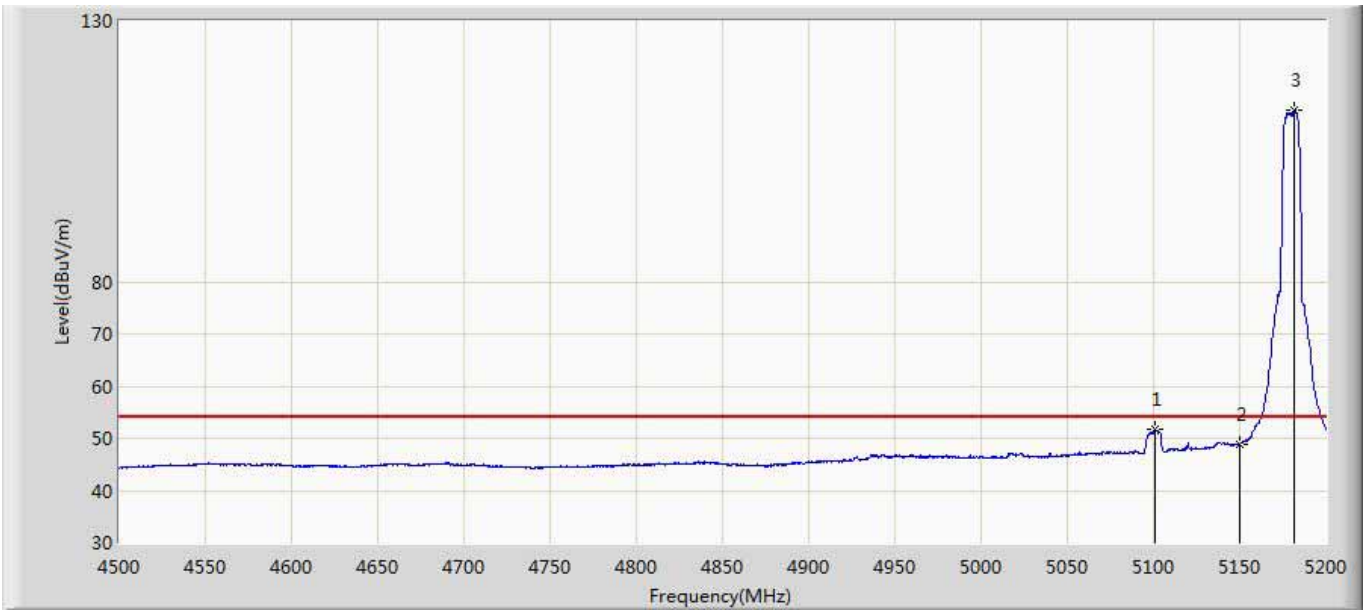
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.893	5.398	-8.107	54.000	40.495	AV
2	*	5180.750	103.140	62.617	49.140	54.000	40.523	AV

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)	



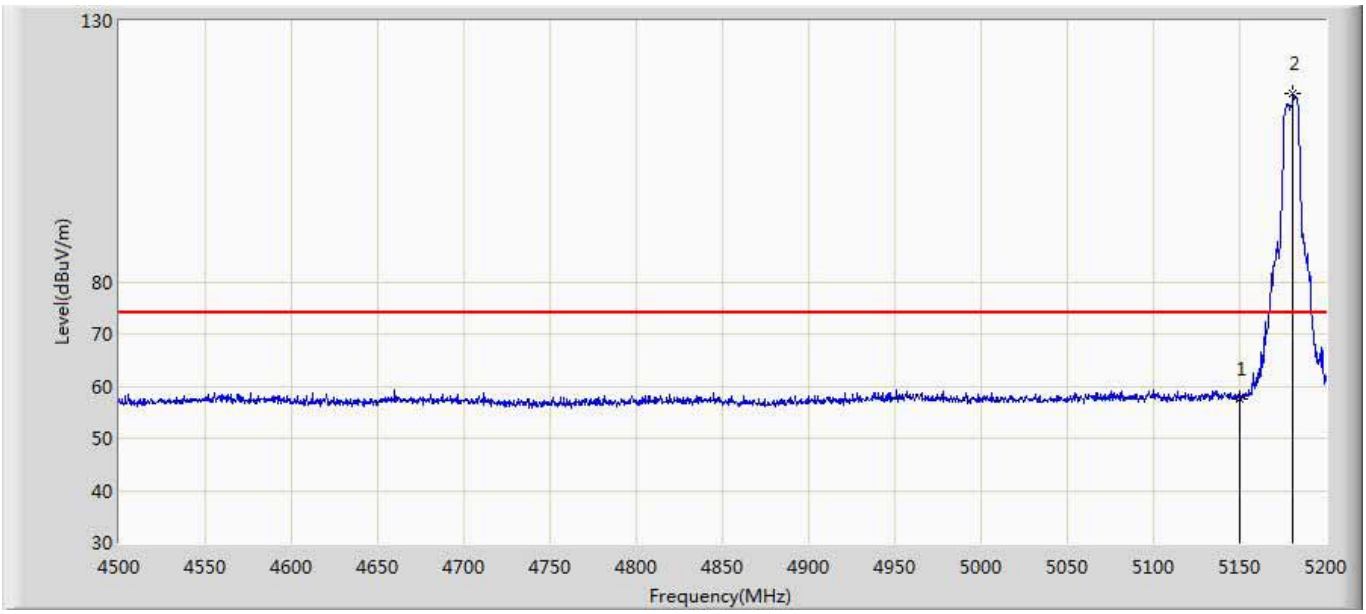
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5098.150	63.939	23.750	-10.061	74.000	40.189	PK
2		5150.000	60.681	20.186	-13.319	74.000	40.495	PK
3	*	5181.450	124.213	83.707	50.213	74.000	40.506	PK

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)	



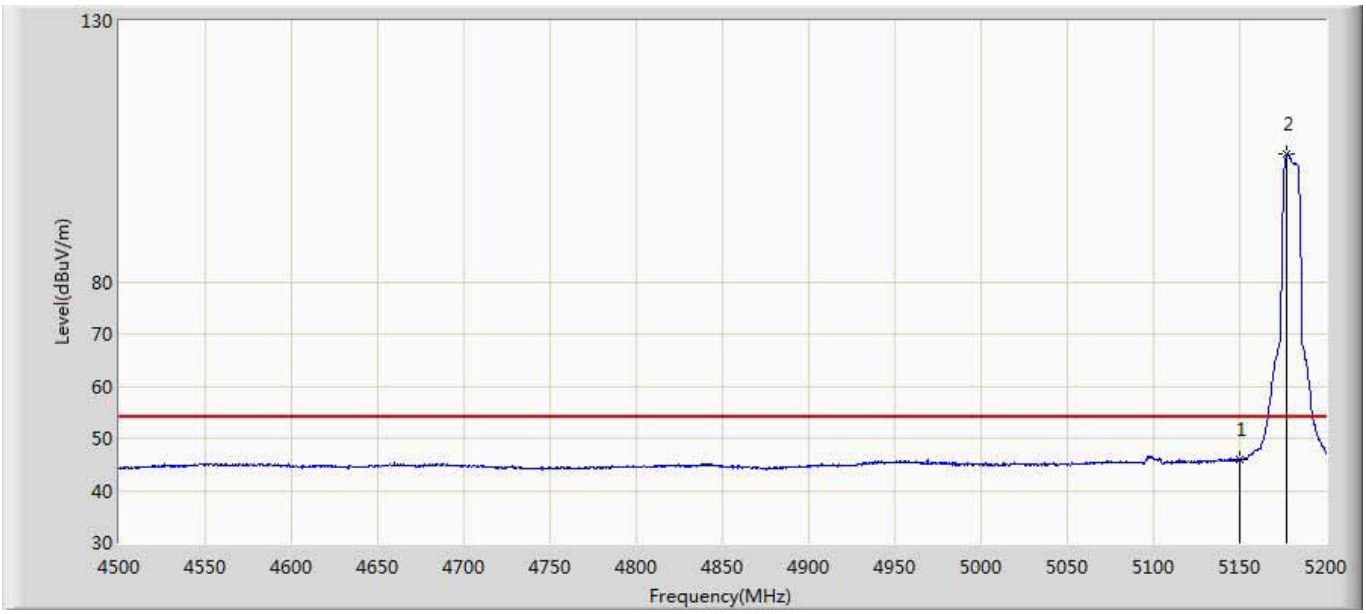
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5100.950	51.617	11.401	-2.383	54.000	40.216	AV
2		5150.000	48.808	8.313	-5.192	54.000	40.495	AV
3	*	5181.800	112.779	72.281	58.779	54.000	40.498	AV

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)	



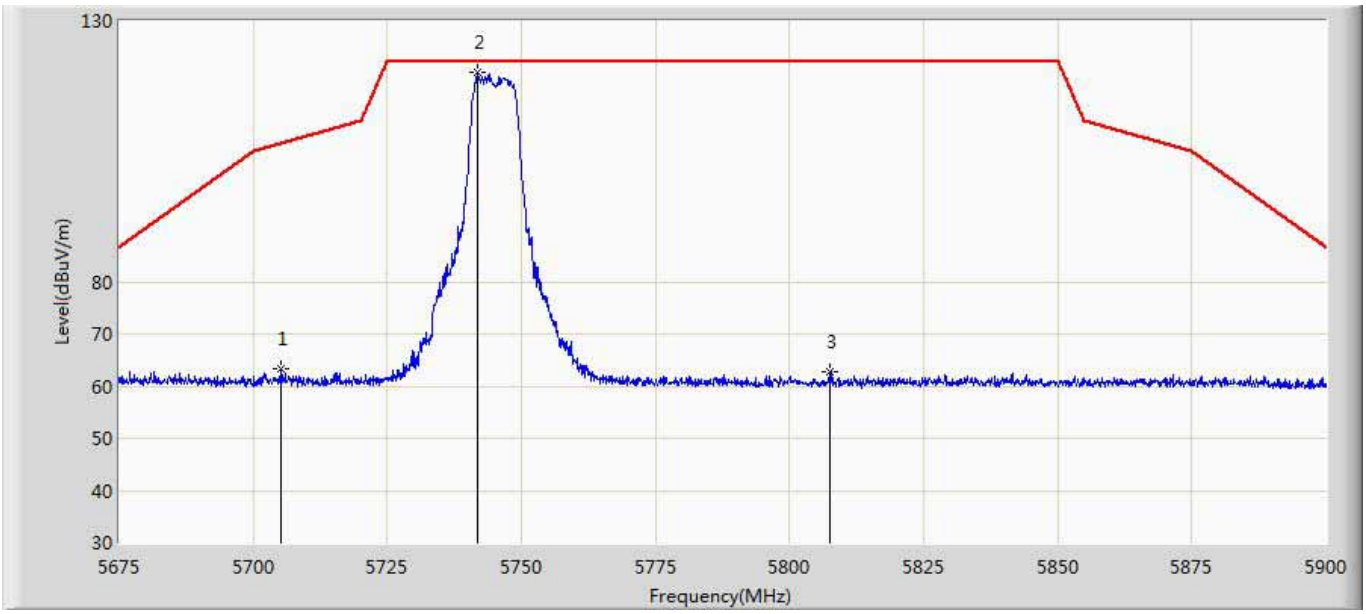
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.638	17.143	-16.362	74.000	40.495	PK
2	*	5181.100	116.172	75.657	42.172	74.000	40.515	PK

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)	



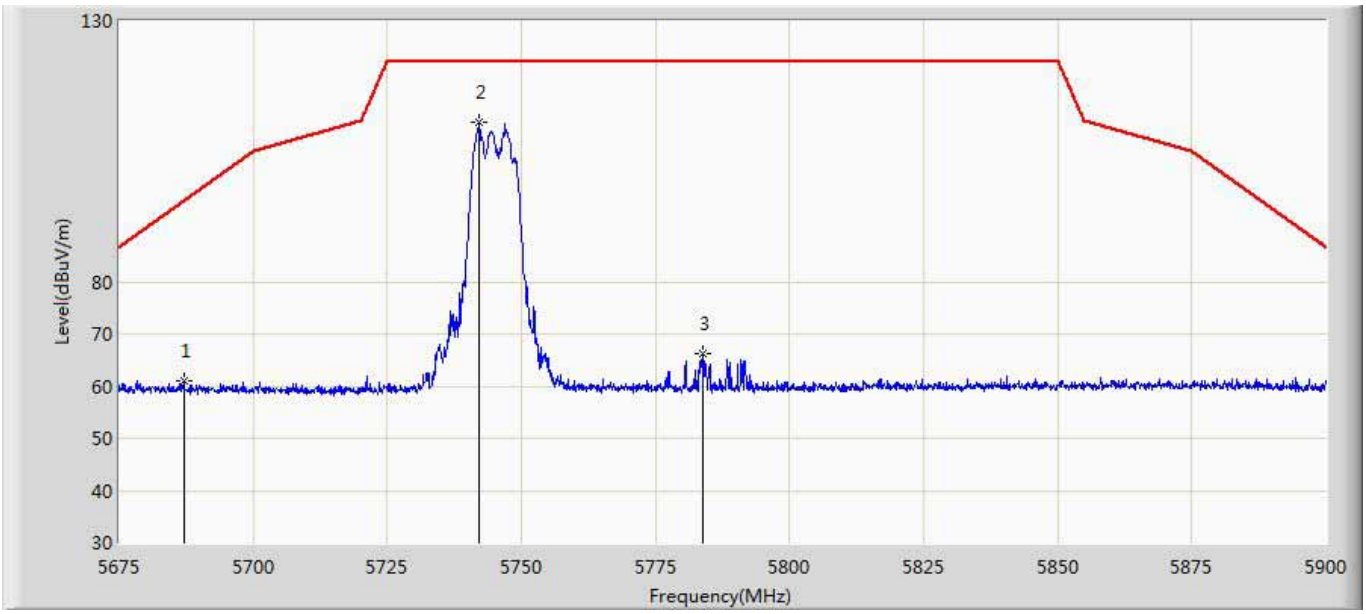
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.853	5.358	-8.147	54.000	40.495	AV
2	*	5177.600	104.415	63.815	50.415	54.000	40.601	AV

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)	



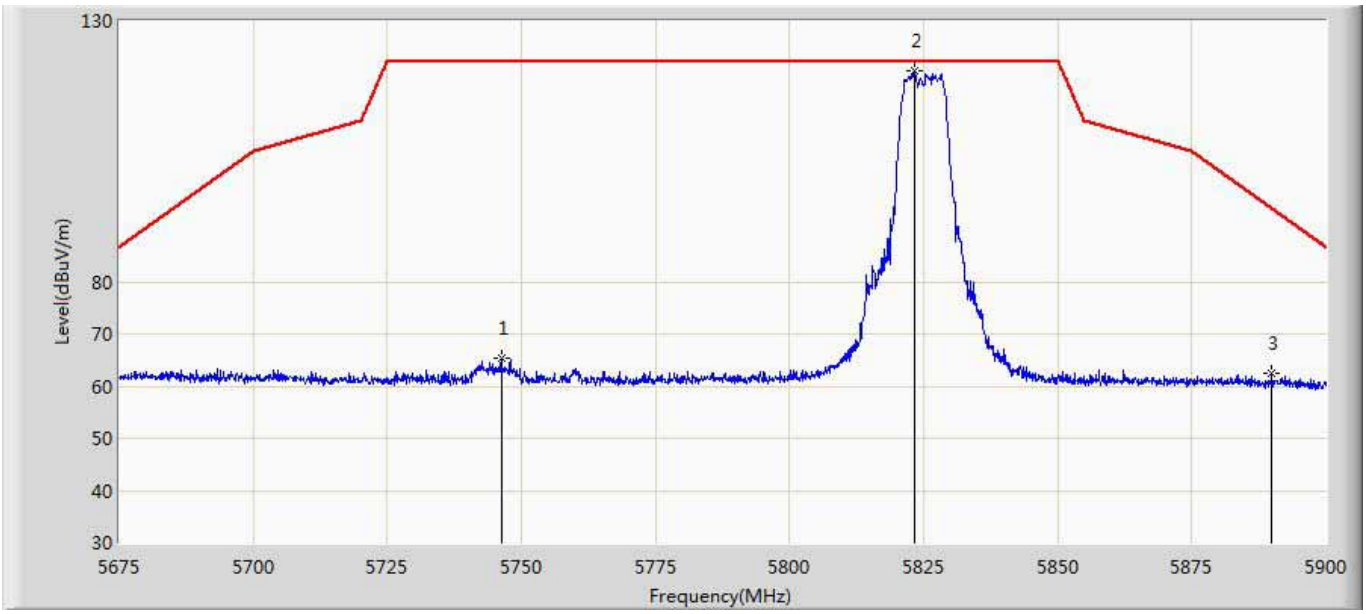
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5705.038	63.255	21.659	-43.355	106.611	41.596	PK
2	*	5741.937	120.199	78.322	-2.001	122.200	41.876	PK
3		5807.413	62.794	21.009	-59.406	122.200	41.785	PK

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)	



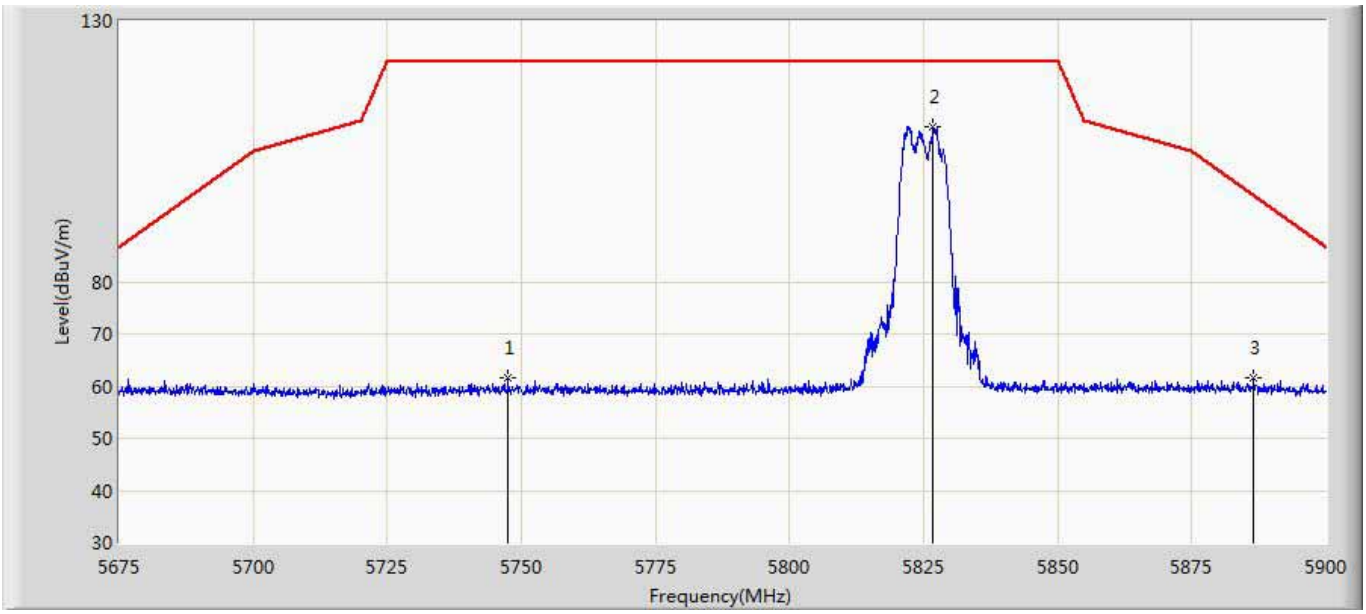
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5687.038	61.146	19.450	-34.462	95.608	41.696	PK
2	*	5742.163	110.502	68.623	-11.698	122.200	41.879	PK
3		5783.788	66.103	24.349	-56.097	122.200	41.754	PK

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)	



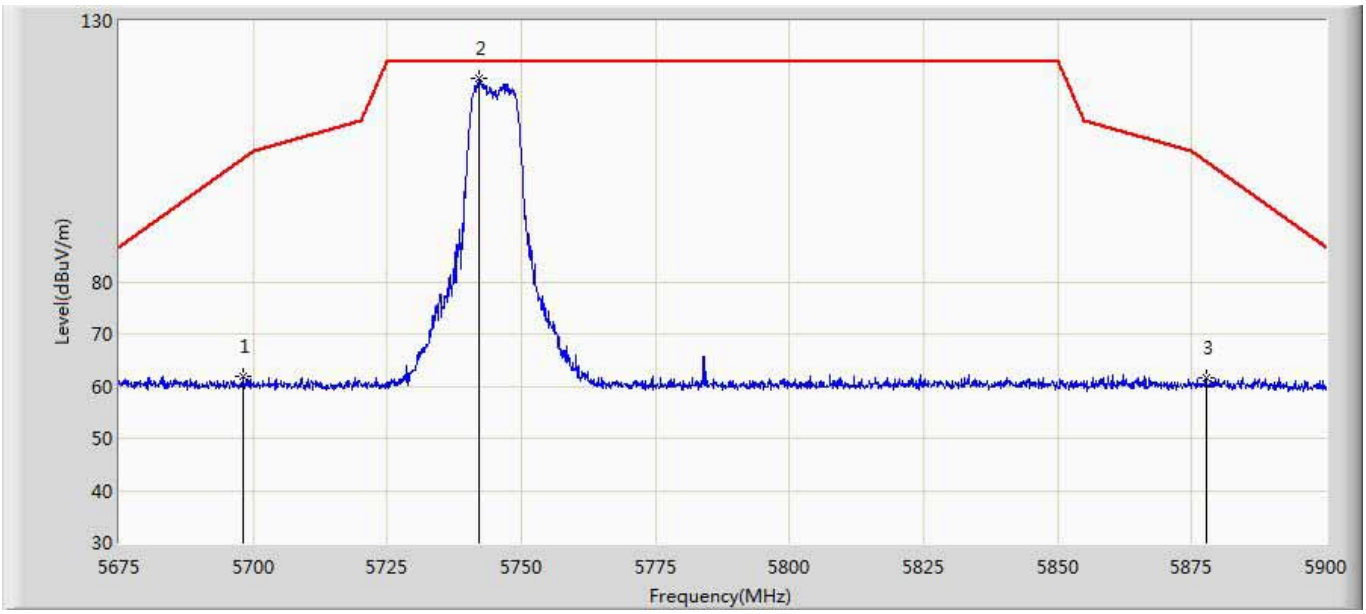
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5746.325	65.328	23.430	-56.872	122.200	41.898	PK
2	*	5823.275	120.460	78.506	-1.740	122.200	41.954	PK
3		5889.875	62.473	20.204	-31.719	94.193	42.270	PK

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)	



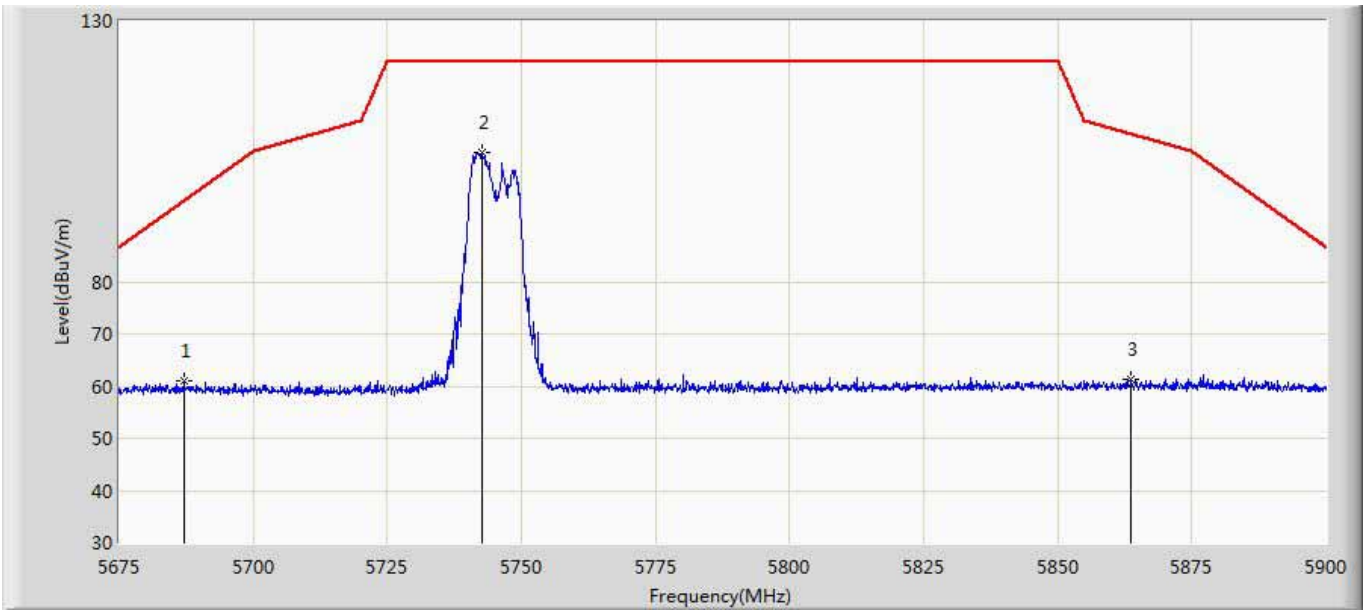
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5747.450	61.727	19.825	-60.473	122.200	41.902	PK
2	*	5826.763	109.707	67.709	-12.493	122.200	41.998	PK
3		5886.500	61.479	19.118	-35.211	96.690	42.361	PK

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)	



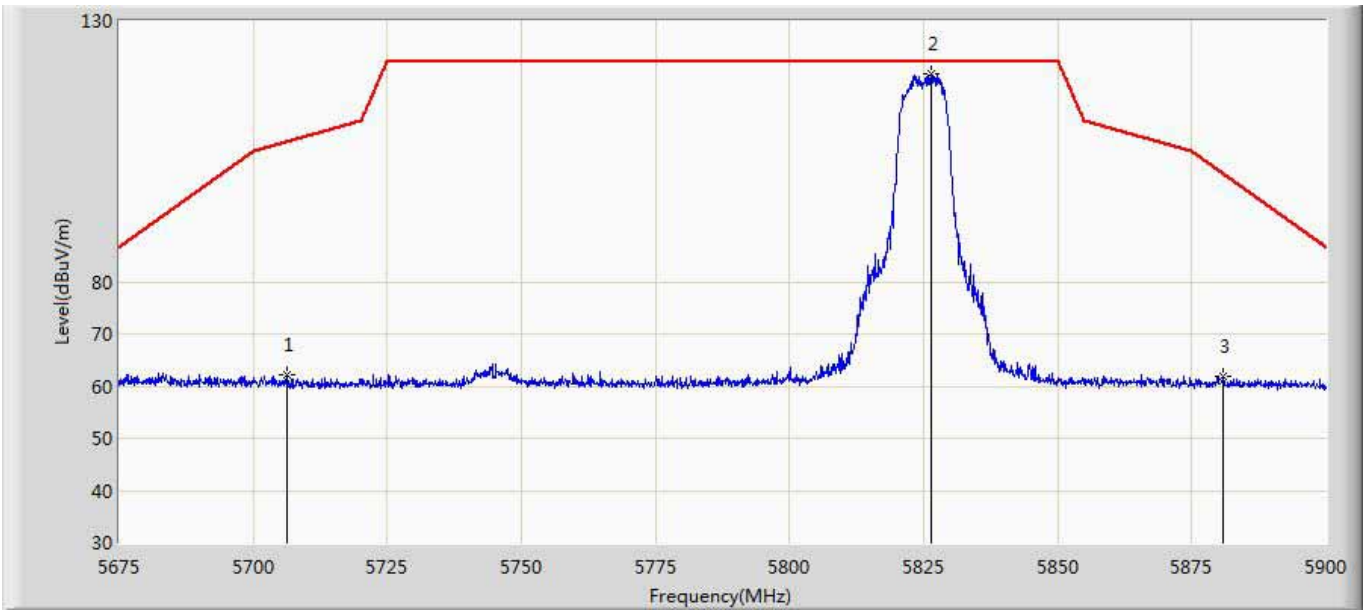
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5698.062	62.003	20.327	-41.763	103.766	41.676	PK
2	*	5742.050	118.972	77.094	-3.228	122.200	41.878	PK
3		5877.612	61.711	19.156	-41.556	103.267	42.555	PK

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)	



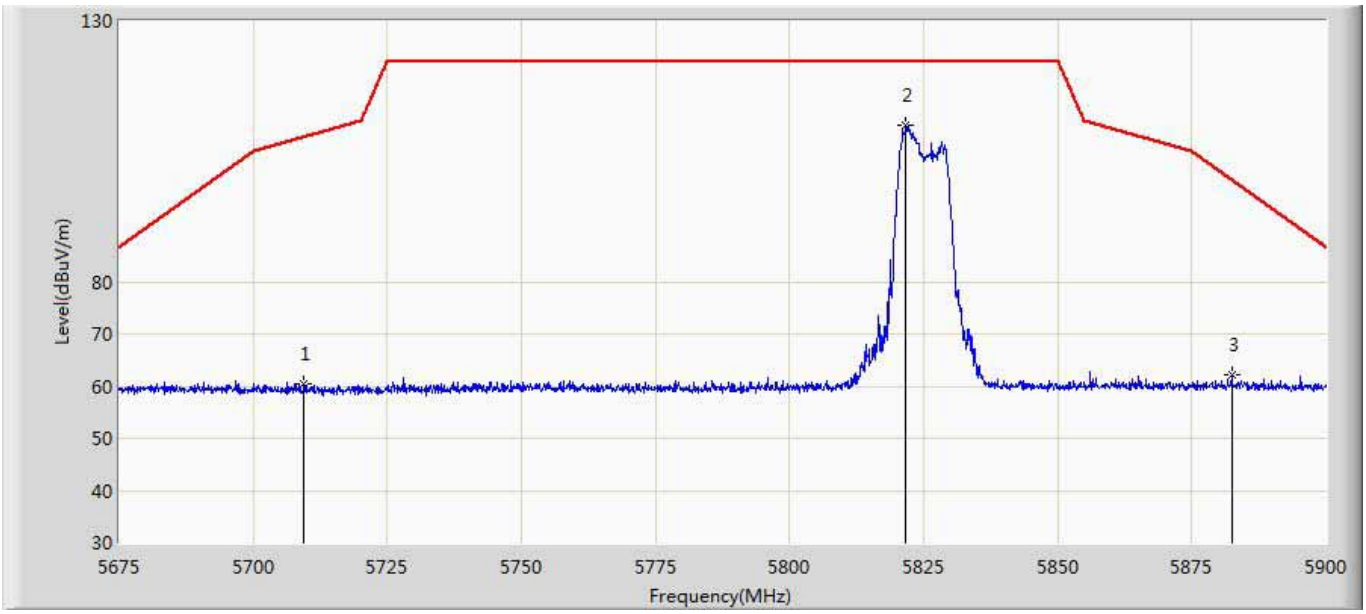
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5687.038	60.994	19.298	-34.614	95.608	41.696	PK
2	*	5742.725	104.827	62.943	-17.373	122.200	41.884	PK
3		5863.663	61.336	18.890	-47.038	108.374	42.446	PK

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)	



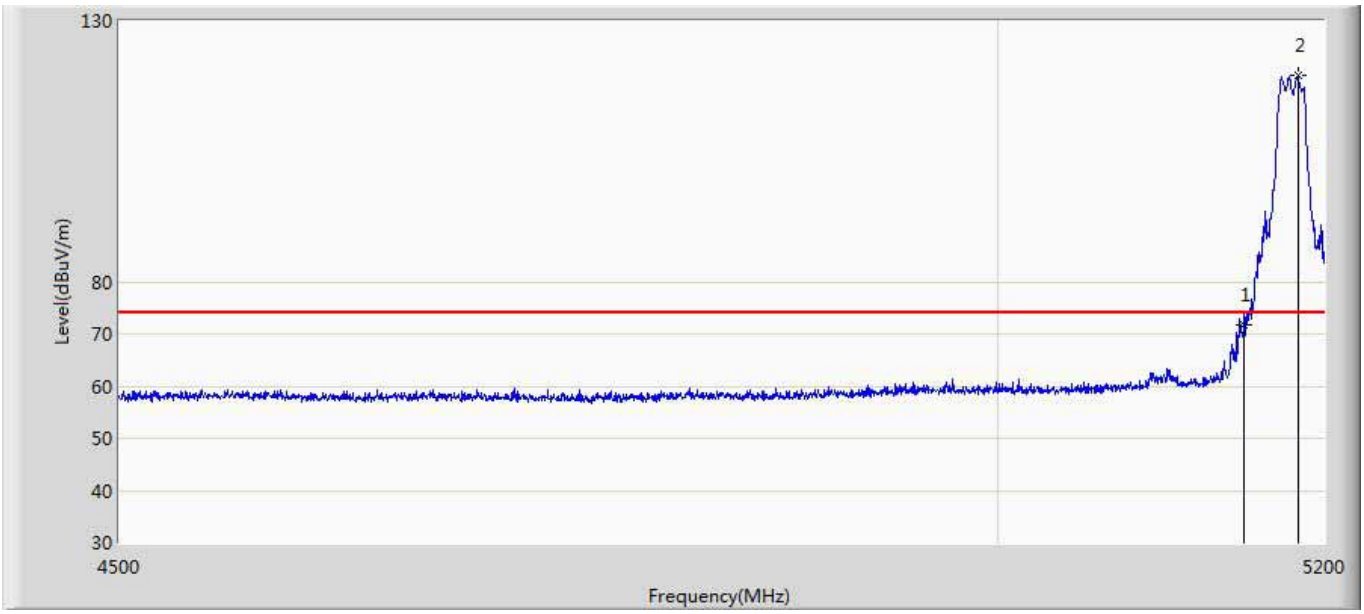
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5706.163	62.220	20.637	-44.705	106.926	41.583	PK
2	*	5826.425	119.987	77.993	-2.213	122.200	41.994	PK
3		5880.875	61.946	19.432	-38.906	100.853	42.515	PK

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)	



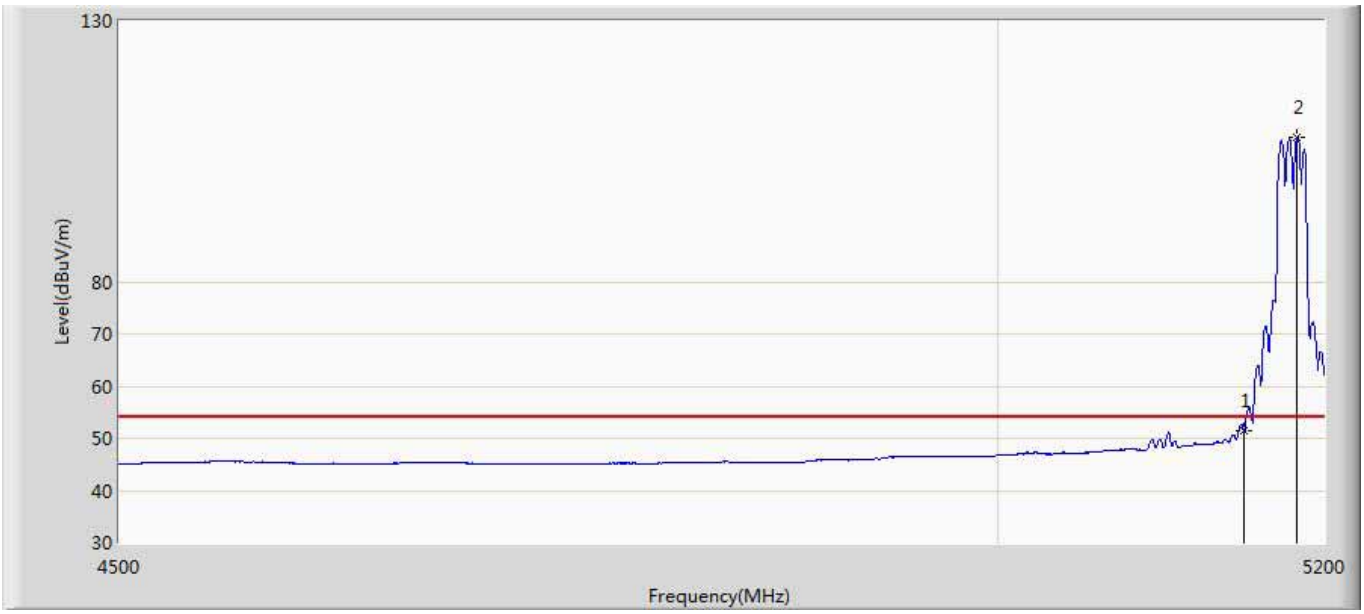
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5709.538	60.491	18.934	-47.380	107.871	41.557	PK
2	*	5821.700	109.993	68.059	-12.207	122.200	41.934	PK
3		5882.450	62.299	19.827	-37.388	99.687	42.472	PK

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)	



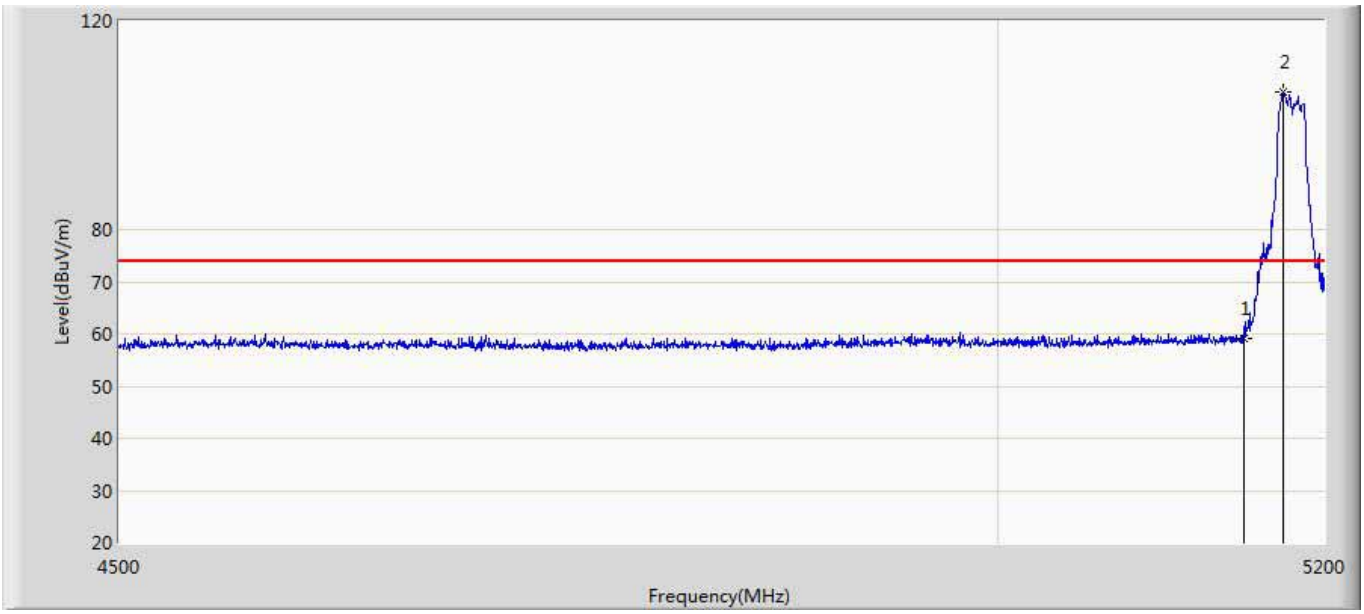
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	71.607	29.592	-2.393	74.000	42.015	PK
2	*	5183.550	119.475	77.340	45.475	74.000	42.136	PK

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)	



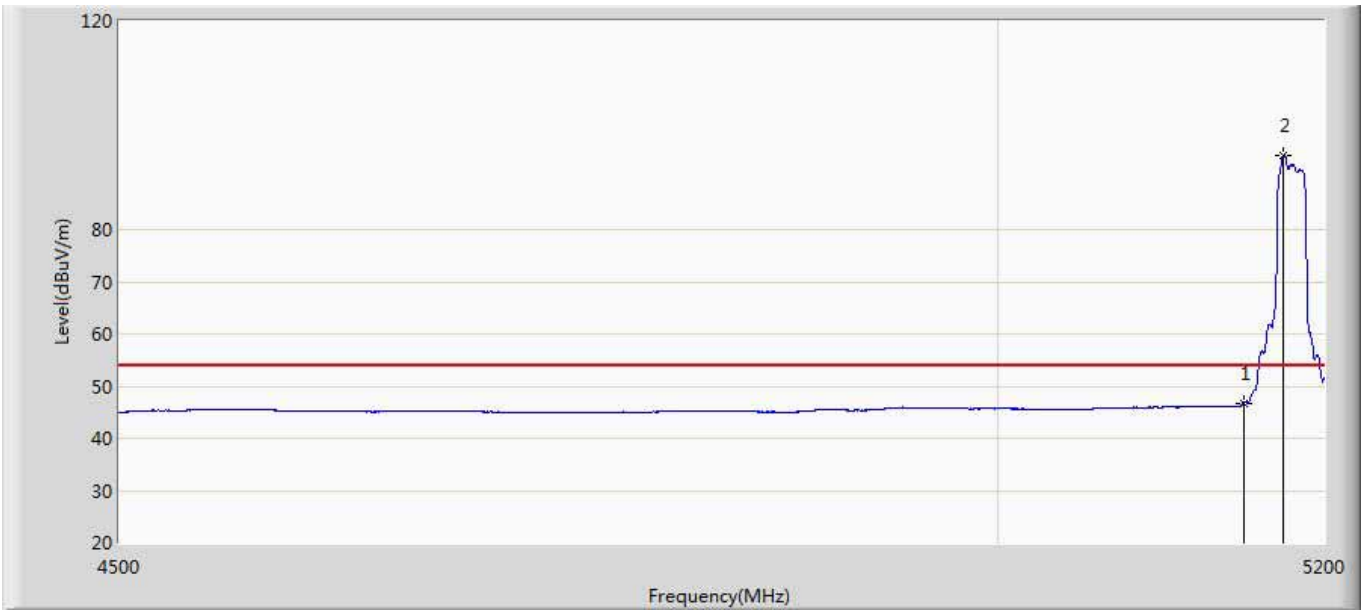
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	51.547	9.532	-2.453	54.000	42.015	AV
2	*	5183.200	107.679	65.541	53.679	54.000	42.137	AV

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)	



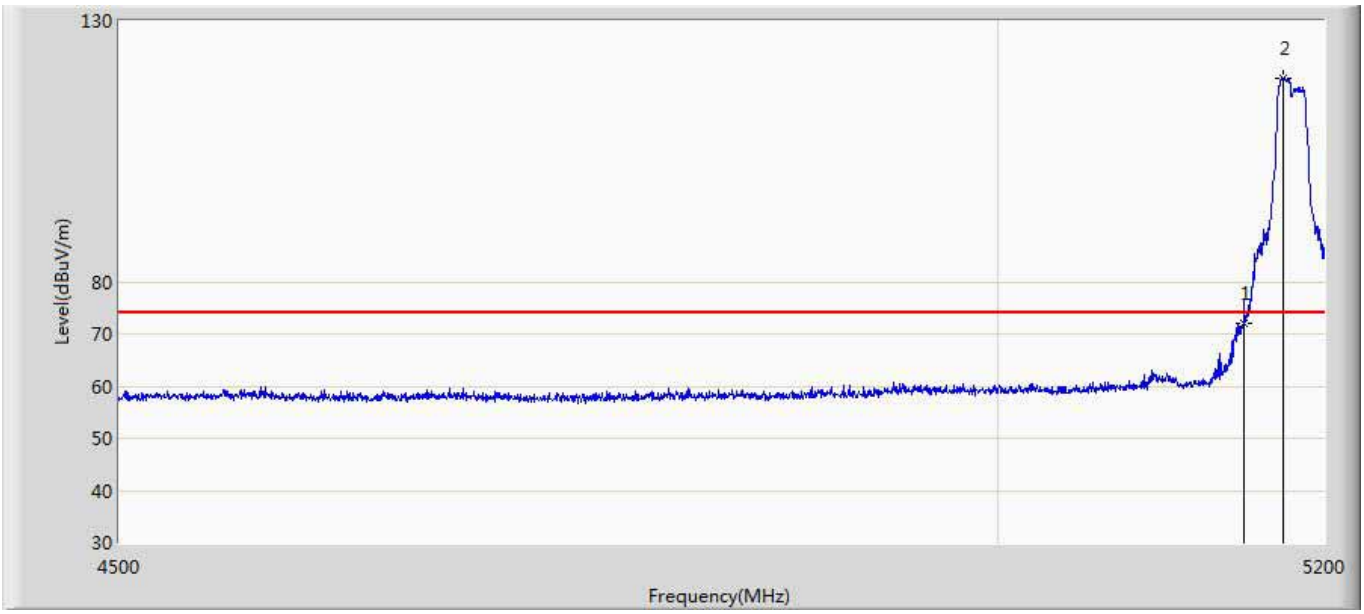
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	58.997	16.982	-15.003	74.000	42.015	PK
2	*	5174.450	106.336	64.191	32.336	74.000	42.145	PK

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)	



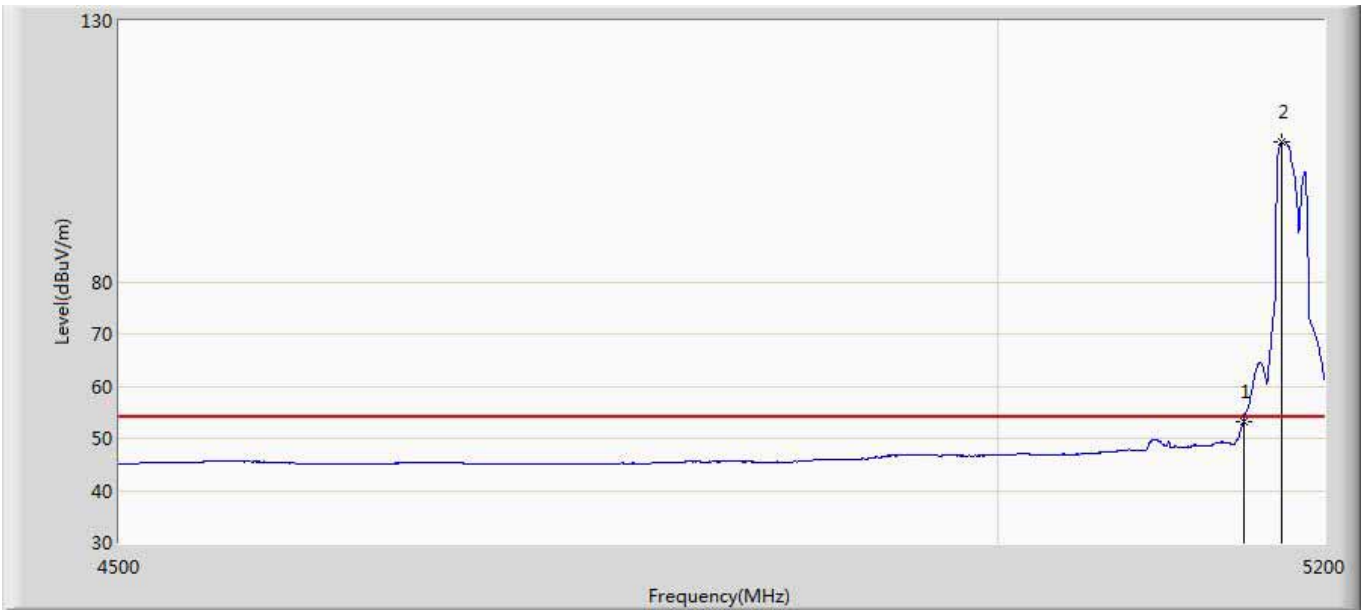
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	46.768	4.753	-7.232	54.000	42.015	AV
2	*	5174.800	94.293	52.148	40.293	54.000	42.146	AV

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)	



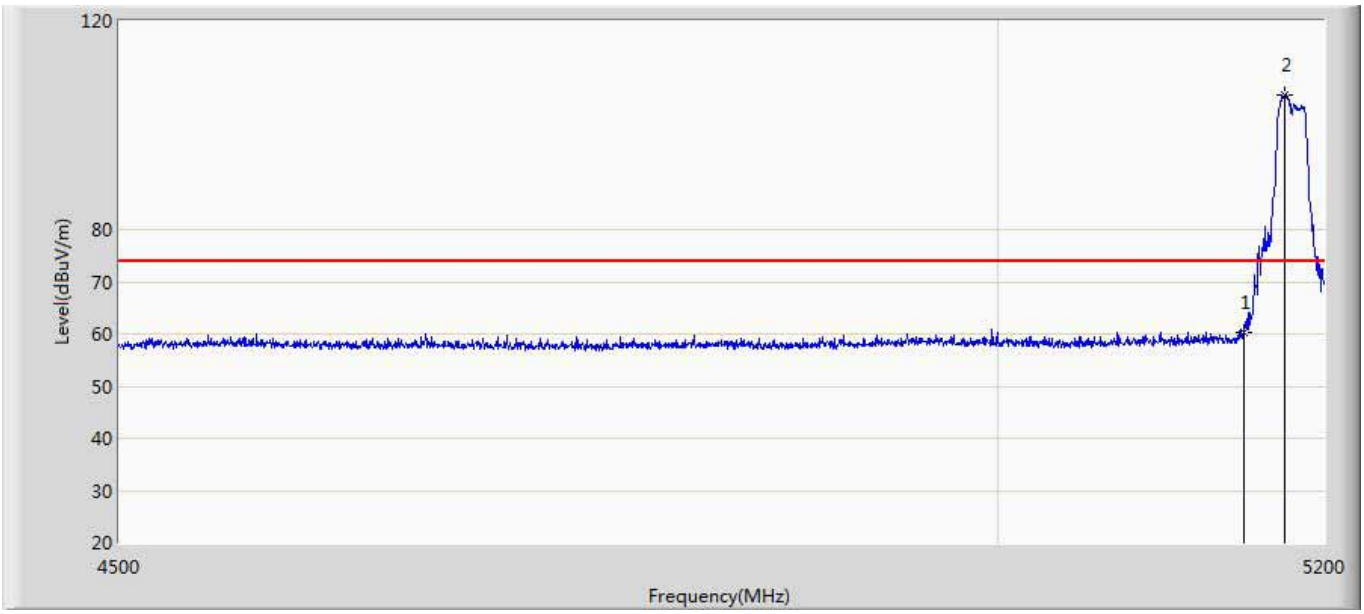
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	72.172	30.157	-1.828	74.000	42.015	PK
2	*	5174.800	119.124	76.979	45.124	74.000	42.146	PK

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)	



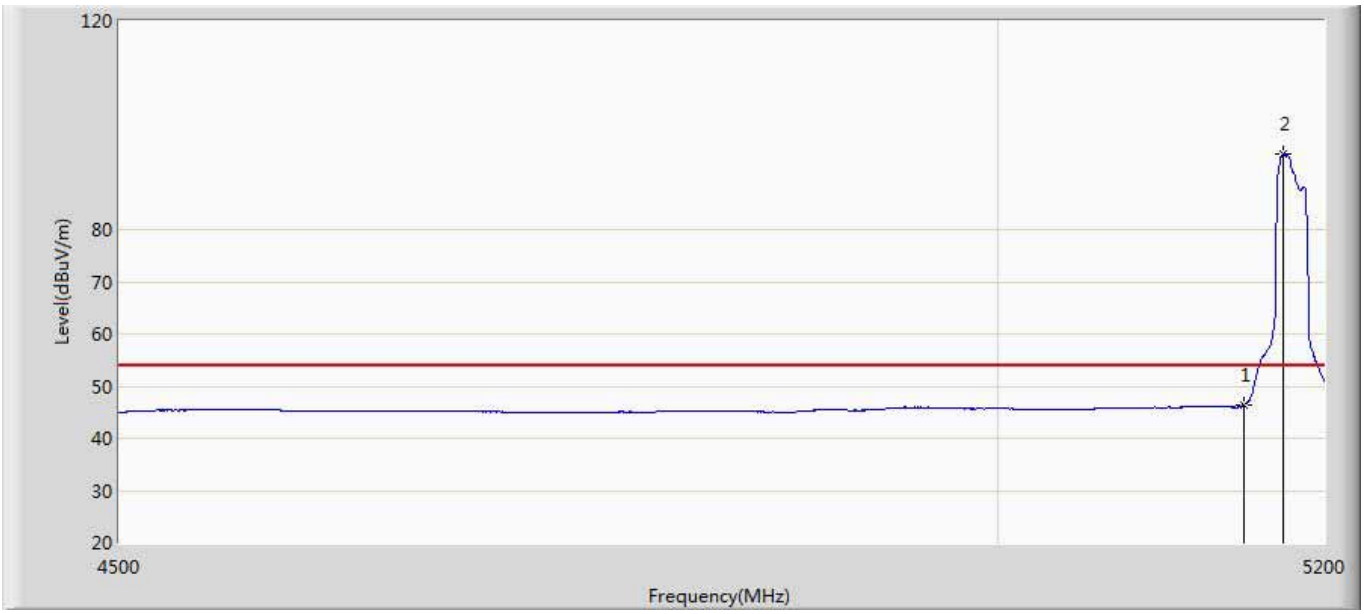
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.227	11.212	-0.773	54.000	42.015	AV
2	*	5173.750	106.873	64.728	52.873	54.000	42.146	AV

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)	



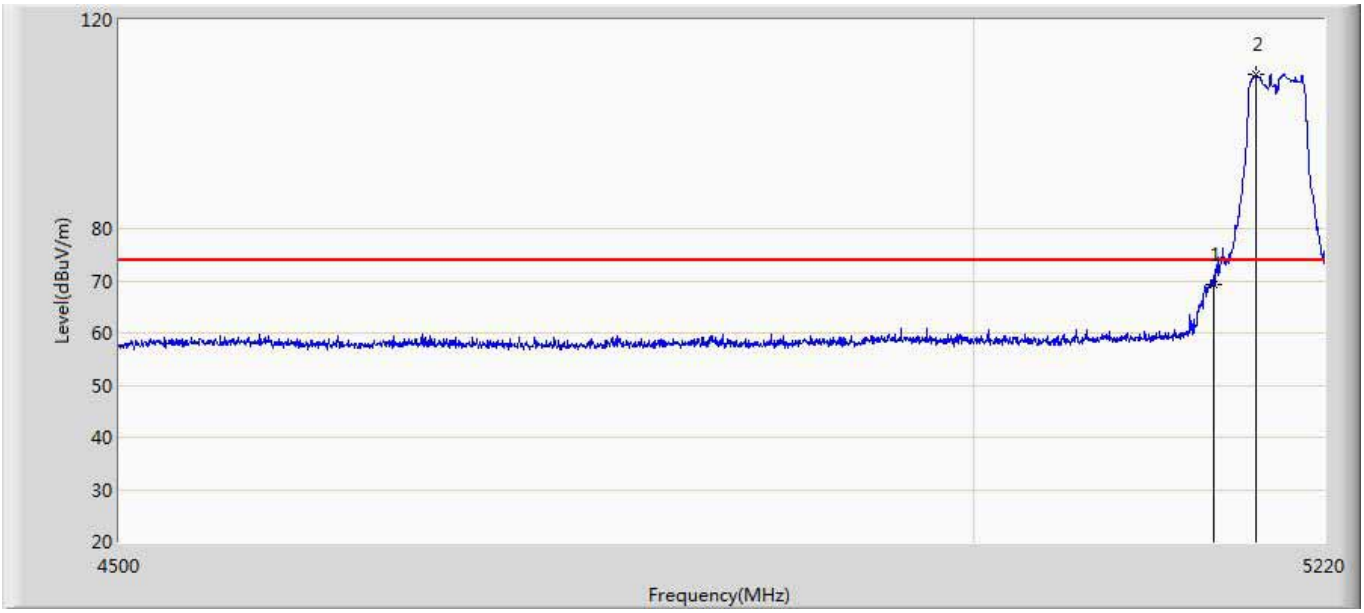
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	60.155	18.140	-13.845	74.000	42.015	PK
2	*	5175.500	105.878	63.733	31.878	74.000	42.145	PK

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)	



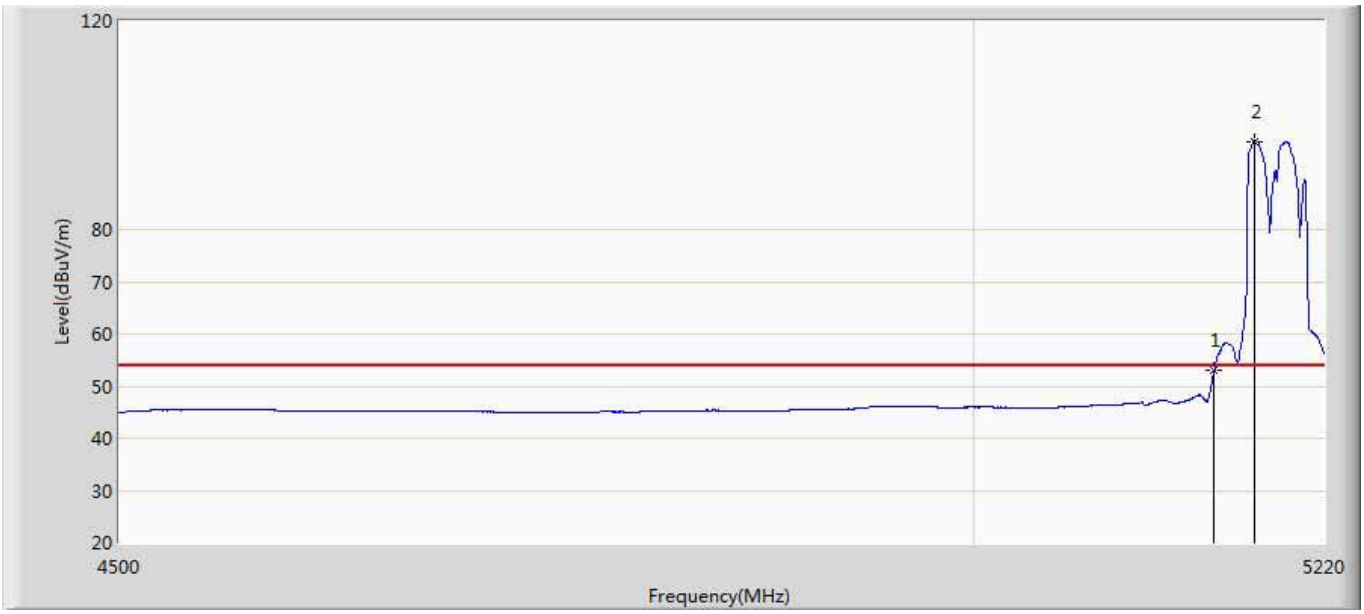
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	46.394	4.379	-7.606	54.000	42.015	AV
2	*	5174.800	94.407	52.262	40.407	54.000	42.146	AV

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)	



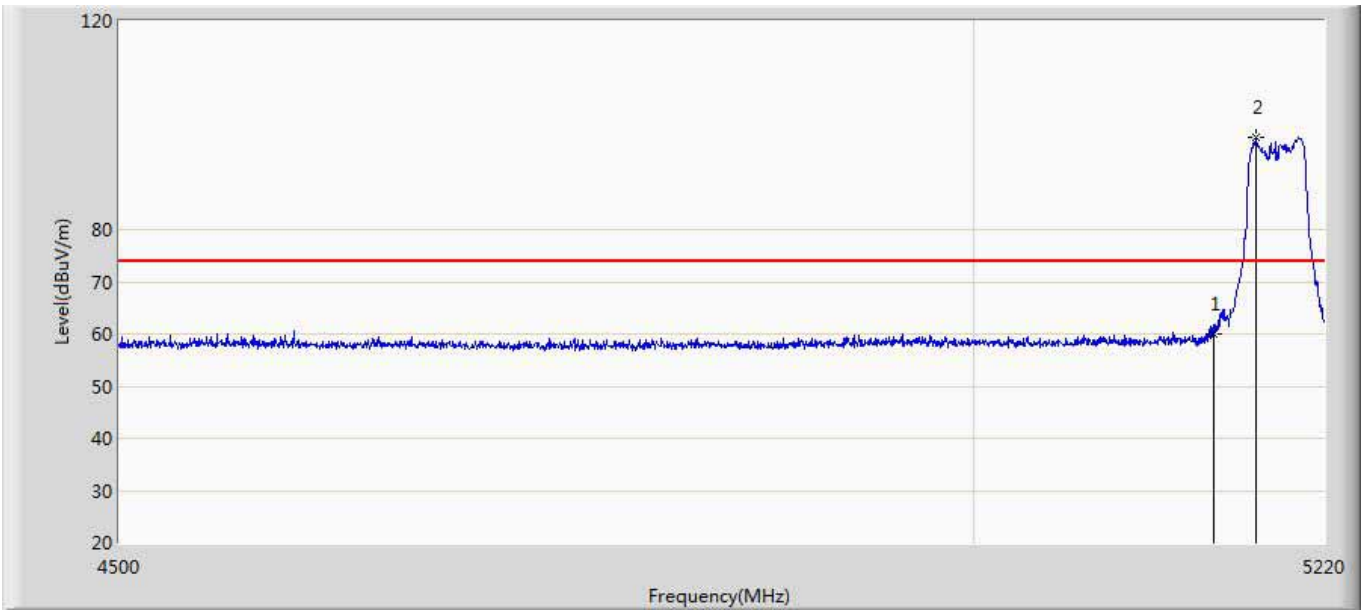
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	69.313	27.298	-4.687	74.000	42.015	PK
2	*	5176.080	109.460	67.315	35.460	74.000	42.145	PK

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)	



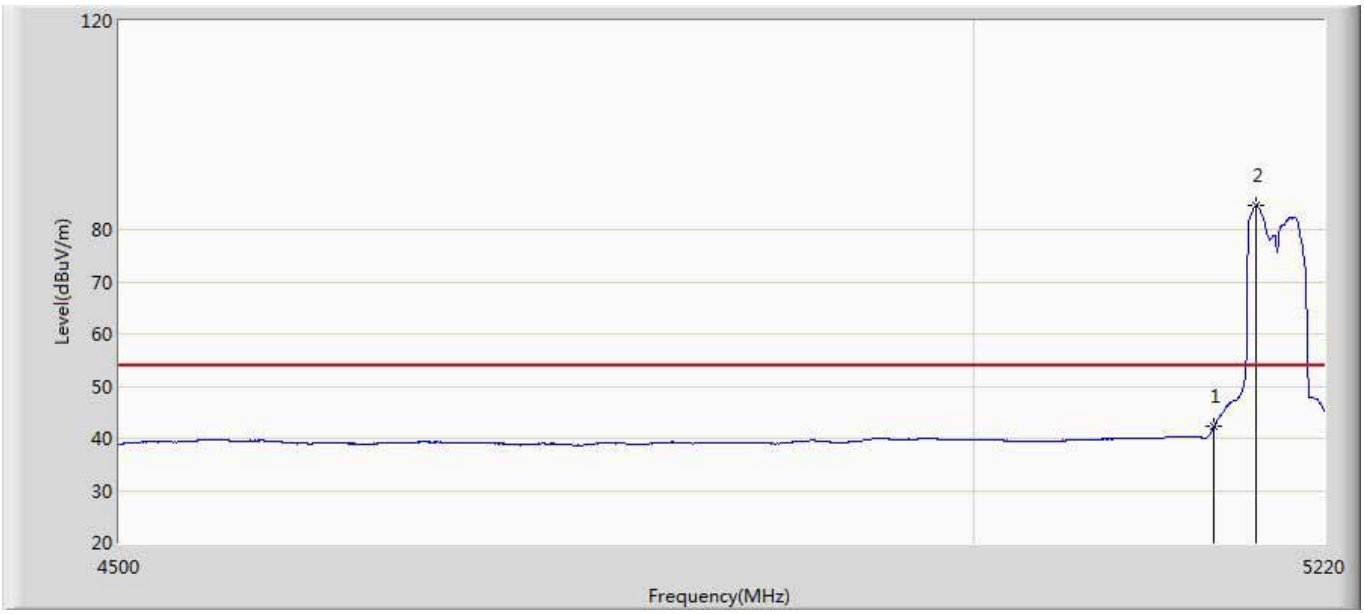
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	52.906	10.891	-1.094	54.000	42.015	AV
2	*	5175.360	96.864	54.719	42.864	54.000	42.145	AV

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)	



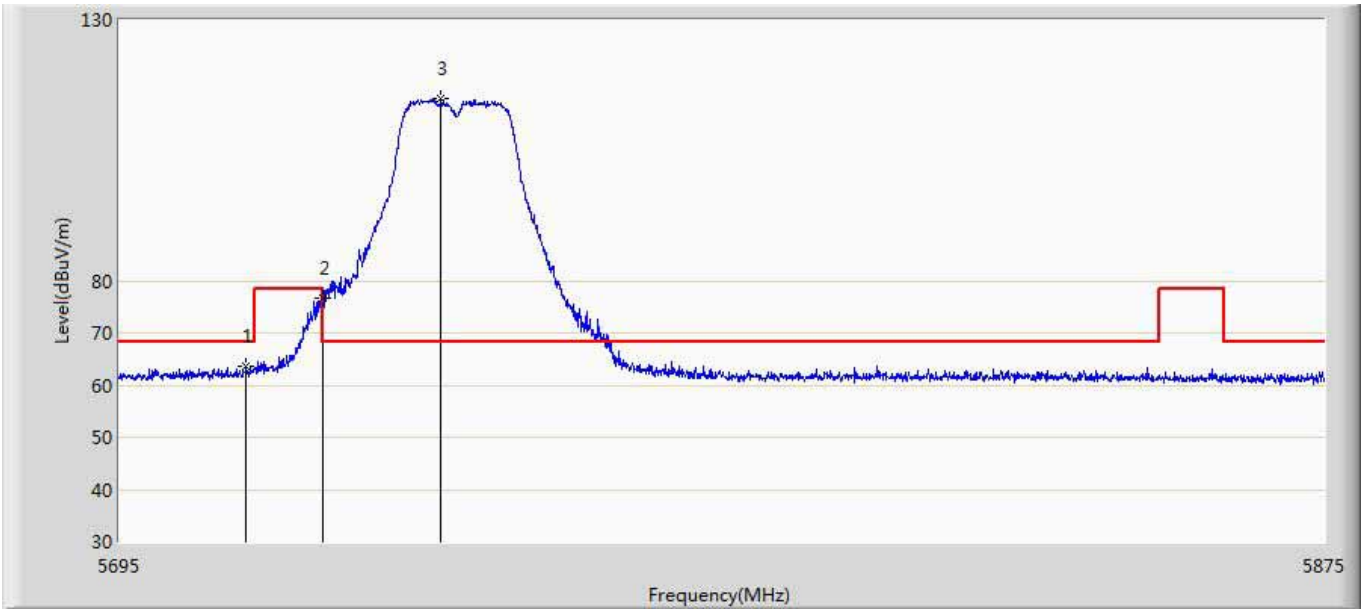
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	59.991	17.976	-14.009	74.000	42.015	PK
2	*	5176.080	97.780	55.635	23.780	74.000	42.145	PK

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)	



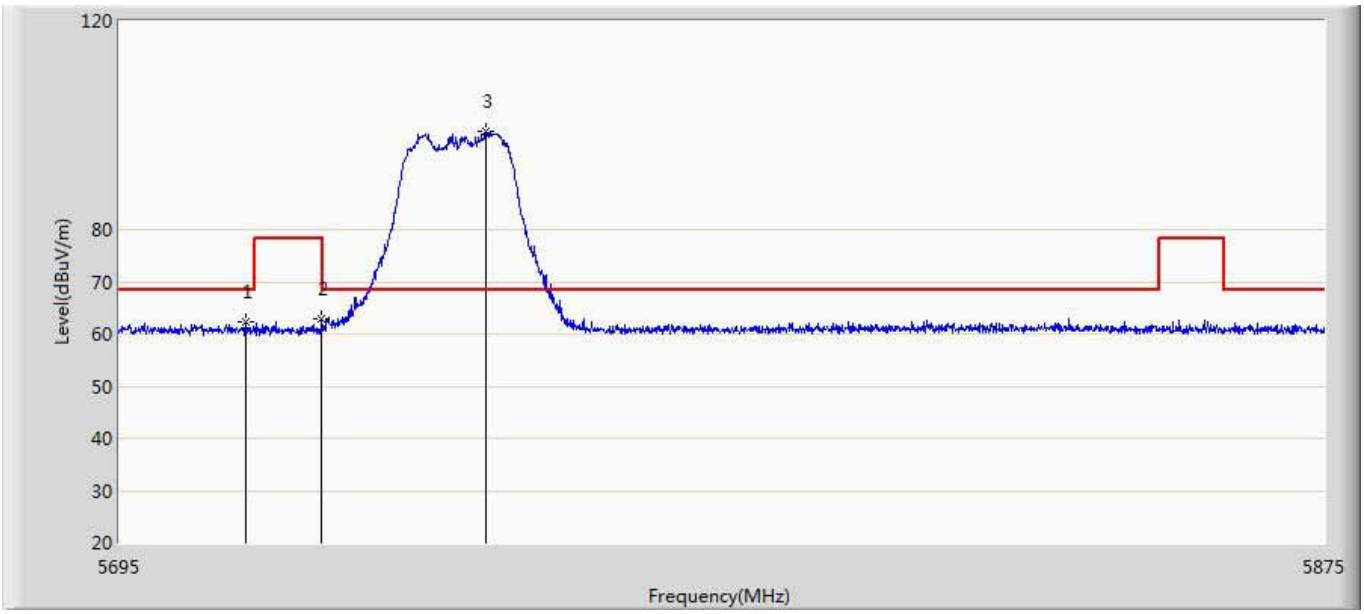
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	42.287	0.272	-11.713	54.000	42.015	AV
2	*	5176.080	84.613	42.468	30.613	54.000	42.145	AV

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)	



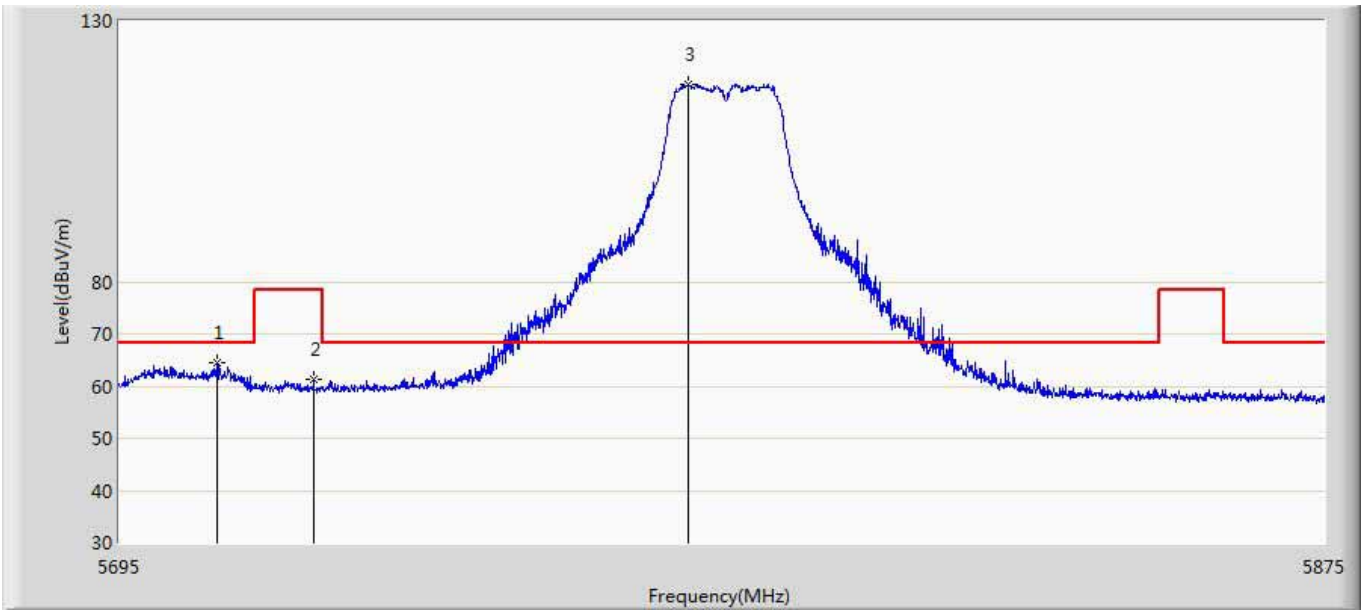
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.720	63.597	20.293	-4.703	68.300	43.304	PK
2		5724.970	76.773	33.507	-1.527	78.300	43.266	PK
3	*	5742.520	115.070	71.768	46.770	68.300	43.301	PK

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)	



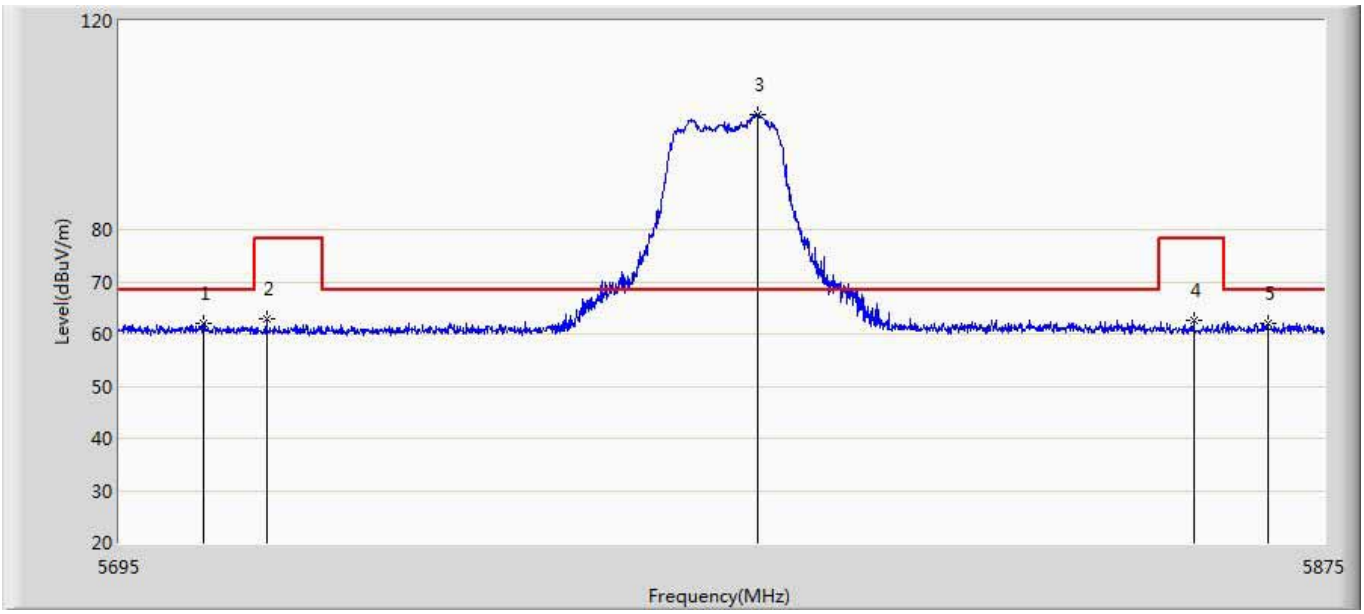
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.720	62.452	19.148	-5.848	68.300	43.304	PK
2		5724.880	62.968	19.702	-15.332	78.300	43.266	PK
3	*	5749.180	98.815	55.534	30.515	68.300	43.281	PK

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)	



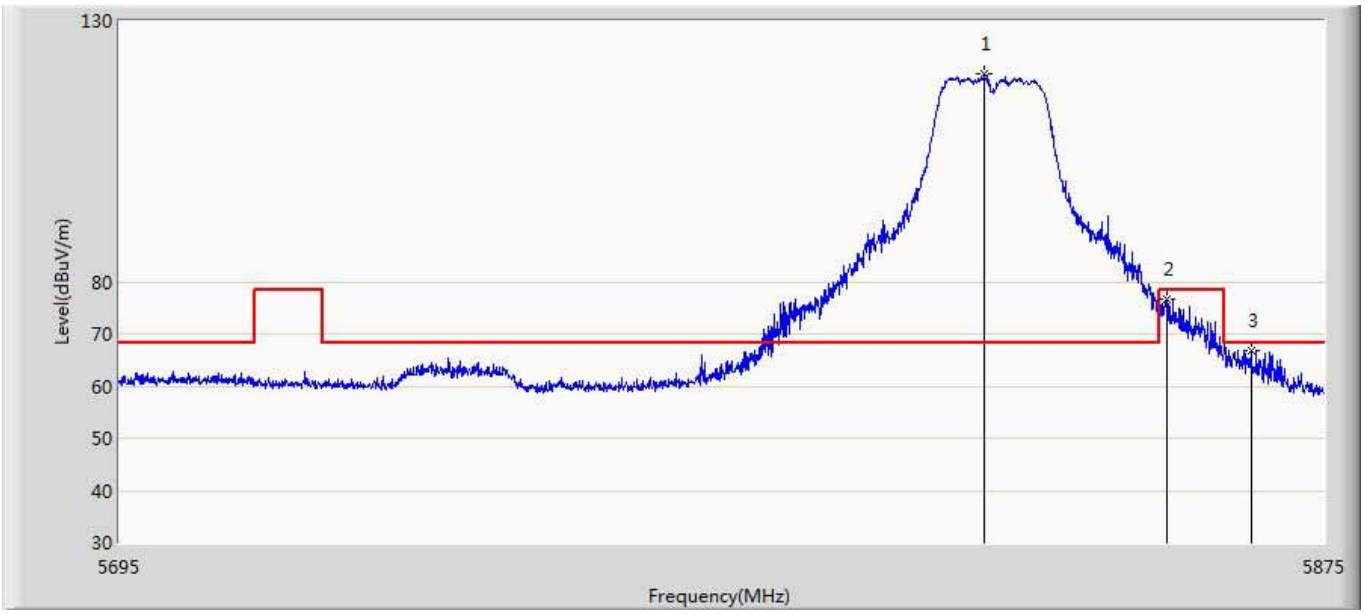
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5709.490	64.630	21.311	-3.670	68.300	43.319	PK
2		5723.710	61.268	17.998	-17.032	78.300	43.270	PK
3	*	5779.330	117.788	74.455	49.488	68.300	43.333	PK

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)	



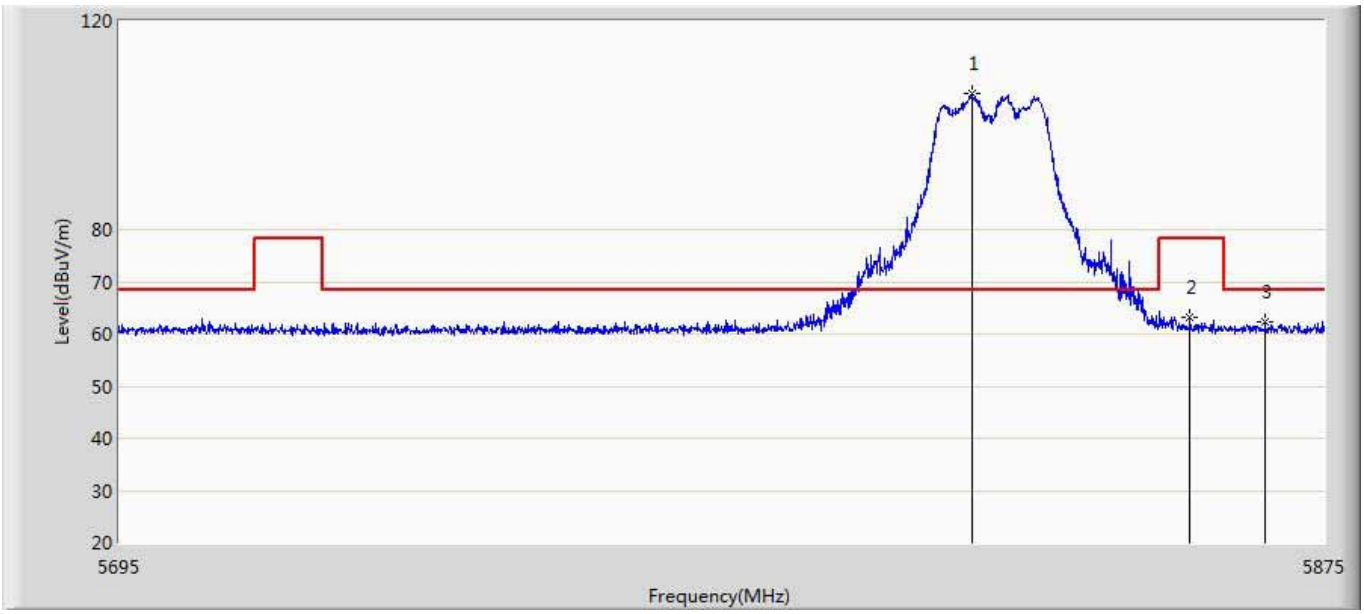
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5707.510	62.086	18.770	-6.214	68.300	43.316	PK
2		5716.780	62.809	19.515	-15.491	78.300	43.294	PK
3	*	5789.680	102.038	58.738	33.738	68.300	43.300	PK
4		5855.290	62.607	19.097	-15.693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



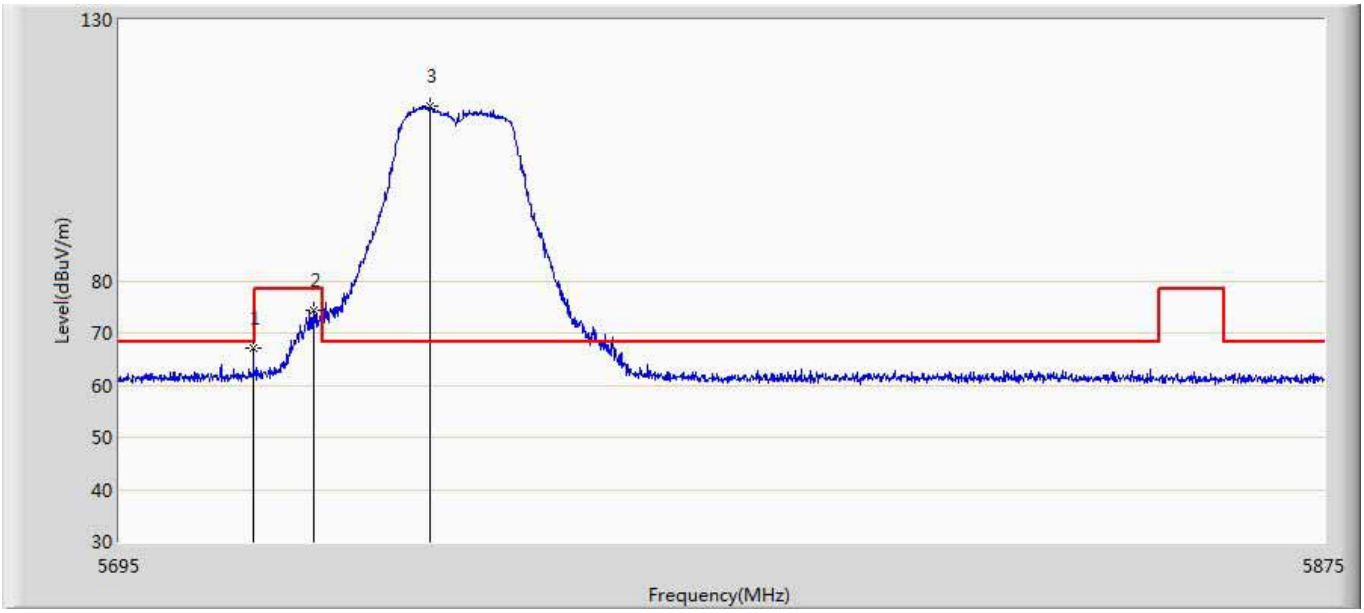
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5823.700	119.803	76.403	51.503	68.300	43.400	PK
2		5851.240	76.768	33.289	-1.532	78.300	43.479	PK
3		5863.930	66.941	23.374	-1.359	68.300	43.567	PK

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)	



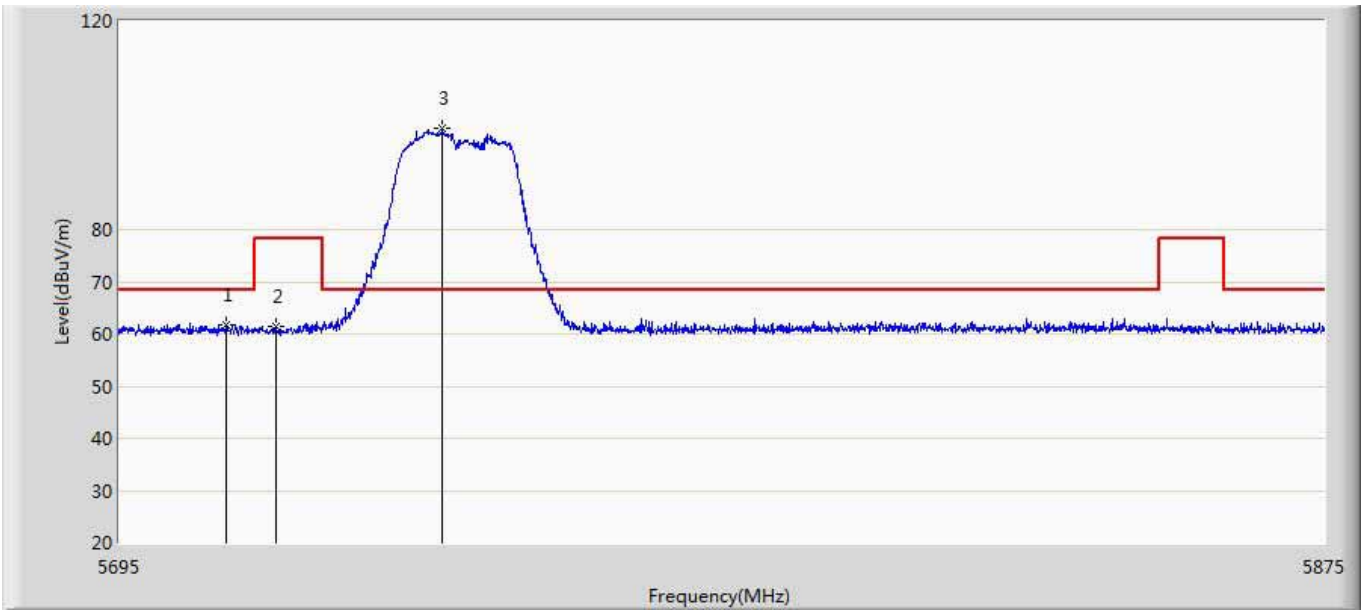
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5821.810	105.956	62.561	37.656	68.300	43.395	PK
2		5854.750	63.208	19.702	-15.092	78.300	43.506	PK
3		5866.090	62.447	18.873	-5.853	68.300	43.574	PK

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)	



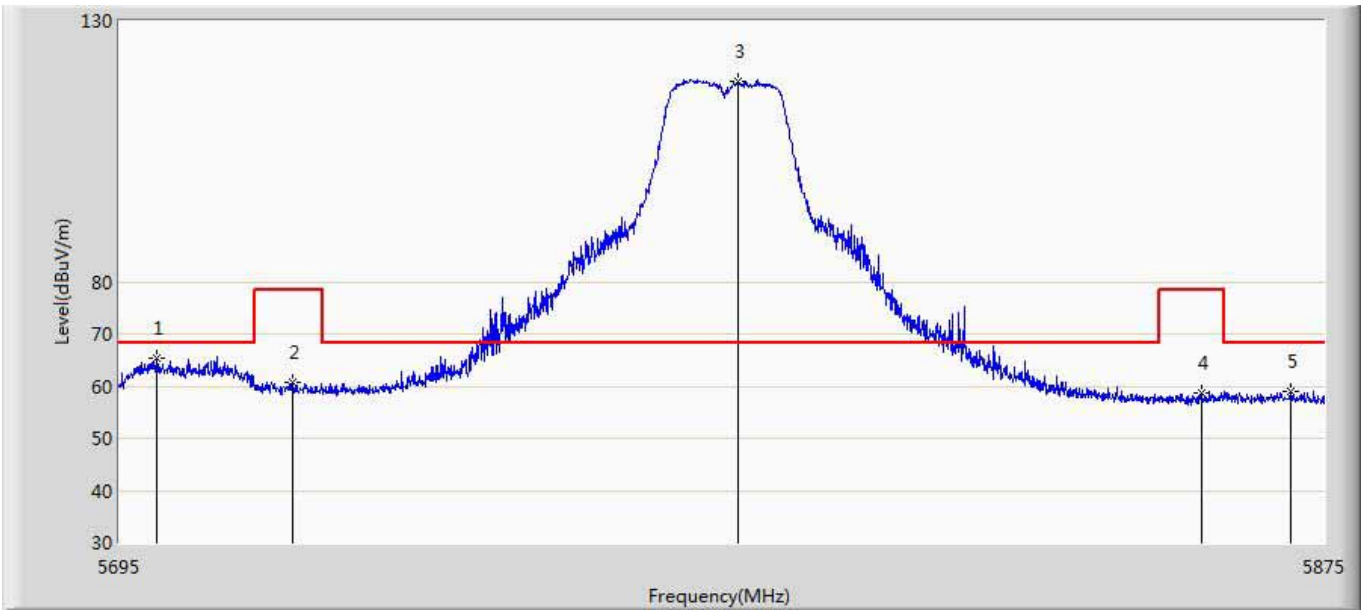
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.800	67.167	23.866	-1.133	68.300	43.301	PK
2		5723.710	74.331	31.061	-3.969	78.300	43.270	PK
3	*	5740.990	113.441	70.143	45.141	68.300	43.298	PK

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)	



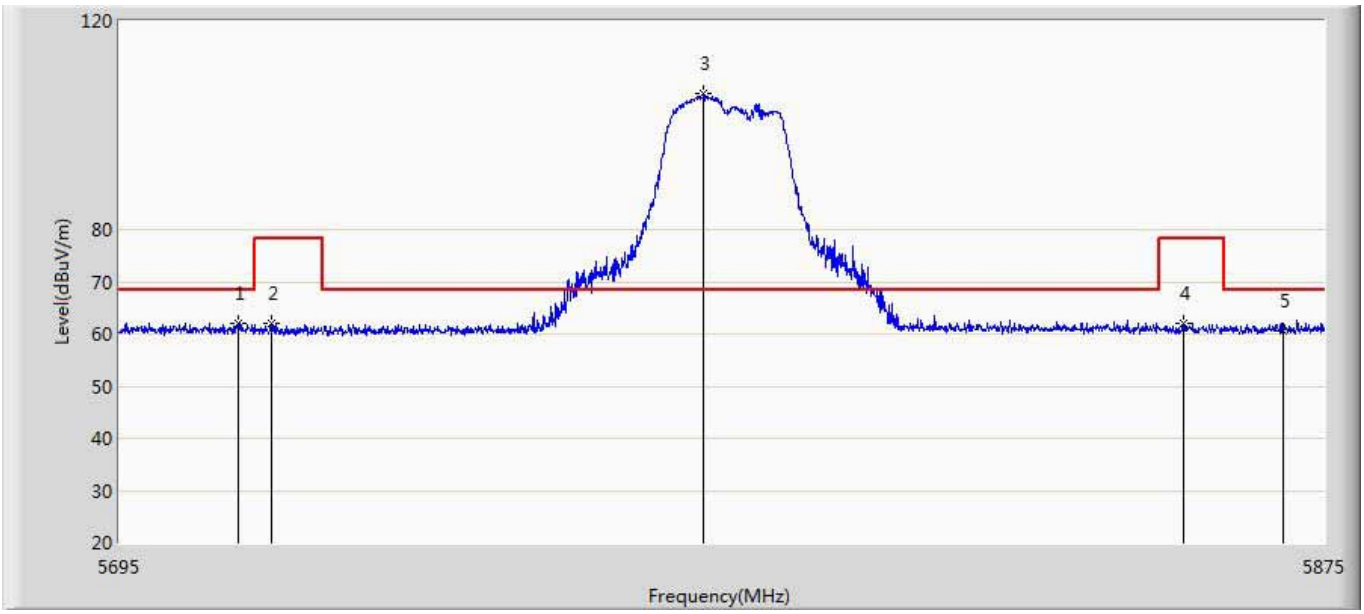
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5710.840	61.806	18.492	-6.494	68.300	43.314	PK
2		5718.040	61.512	18.222	-16.788	78.300	43.289	PK
3	*	5742.790	99.374	56.072	31.074	68.300	43.303	PK

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)	



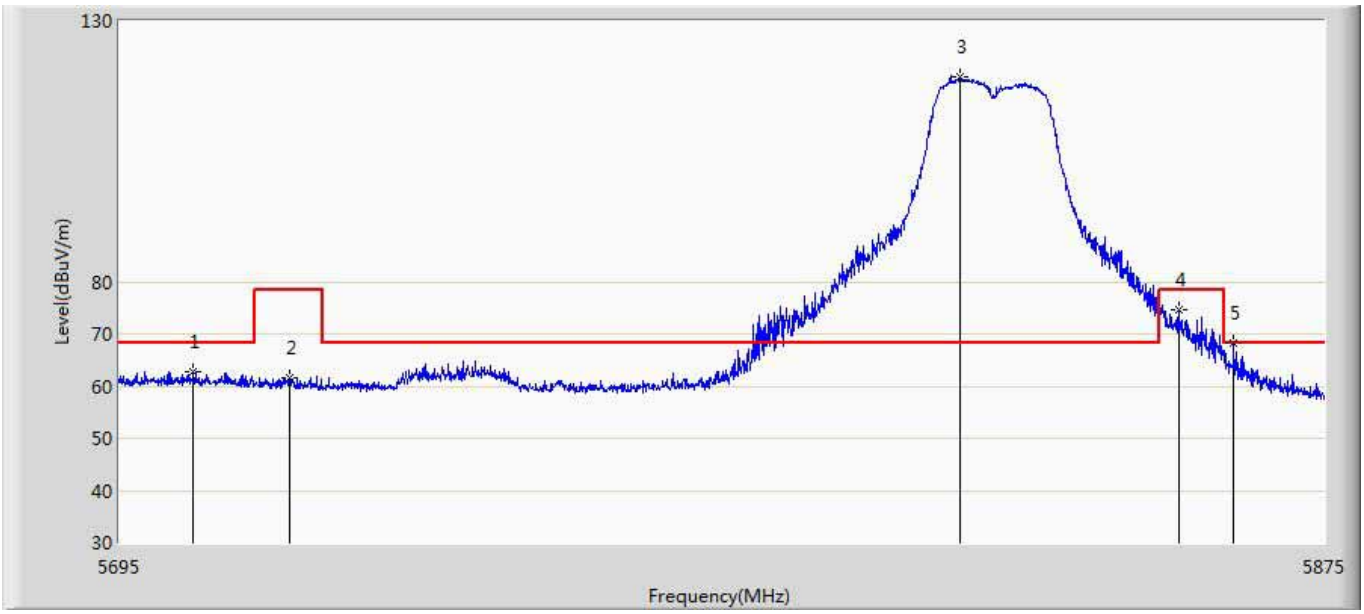
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5700.490	65.385	22.091	-2.915	68.300	43.294	PK
2		5720.560	60.624	17.343	-17.676	78.300	43.281	PK
3	*	5786.710	118.469	75.159	50.169	68.300	43.310	PK
4		5856.550	58.758	15.239	-19.542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



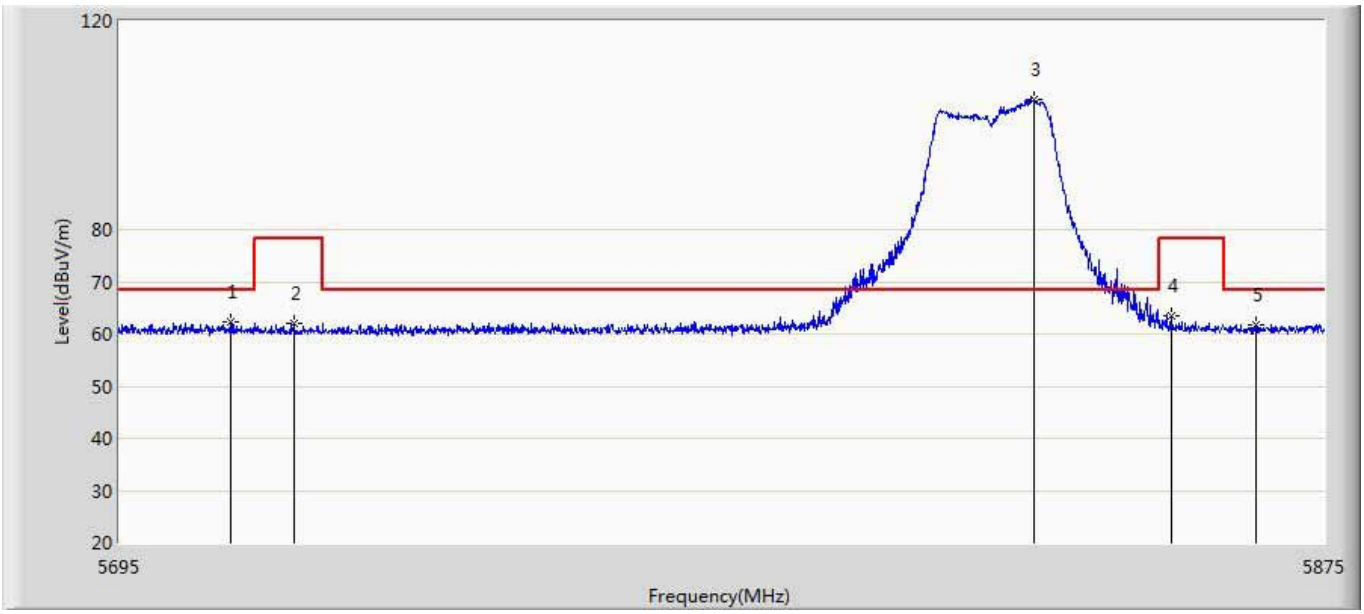
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5712.550	62.132	18.824	-6.168	68.300	43.309	PK
2		5717.410	62.139	18.847	-16.161	78.300	43.291	PK
3	*	5781.580	106.154	62.828	37.854	68.300	43.326	PK
4		5853.670	61.902	18.405	-16.398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



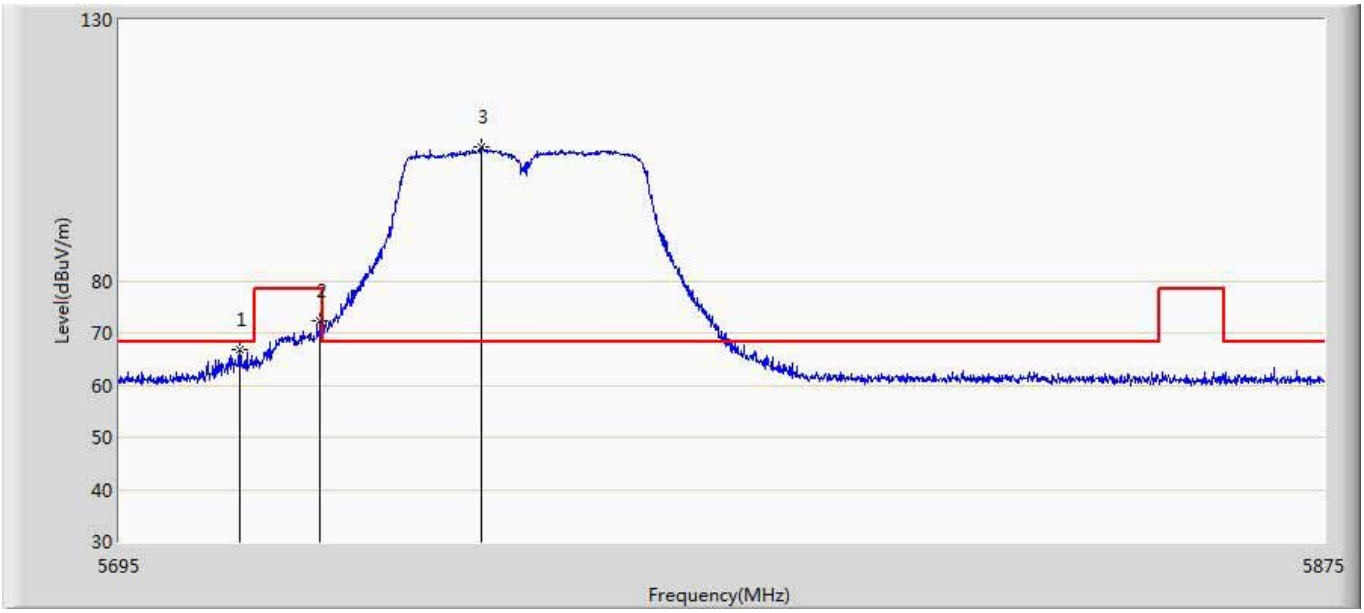
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5705.890	62.838	19.527	-5.462	68.300	43.311	PK
2		5720.110	61.527	18.244	-16.773	78.300	43.283	PK
3	*	5820.100	119.297	75.905	50.997	68.300	43.392	PK
4		5852.950	74.680	31.188	-3.620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



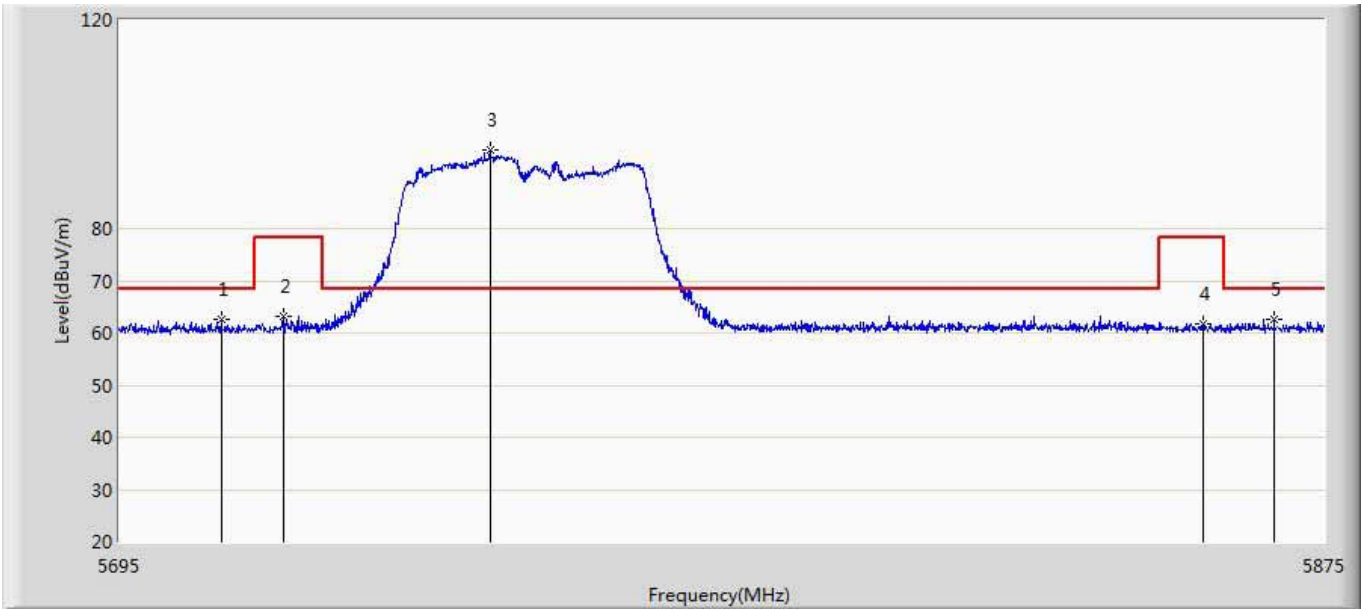
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5711.380	62.458	19.146	-5.842	68.300	43.312	PK
2		5720.830	61.920	18.640	-16.380	78.300	43.280	PK
3	*	5831.080	104.977	61.563	36.677	68.300	43.413	PK
4		5851.870	63.455	19.971	-14.845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



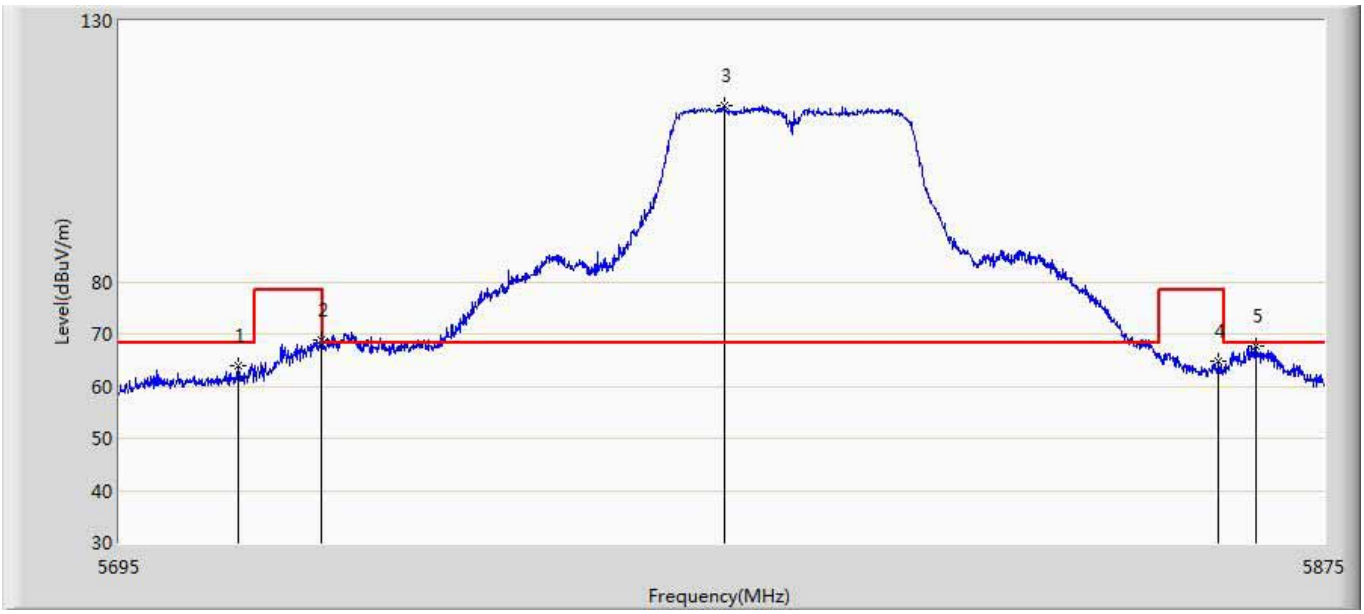
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5712.820	66.931	23.624	-1.369	68.300	43.307	PK
2		5724.700	72.357	29.090	-5.943	78.300	43.267	PK
3	*	5748.460	105.641	62.358	37.341	68.300	43.284	PK

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)	



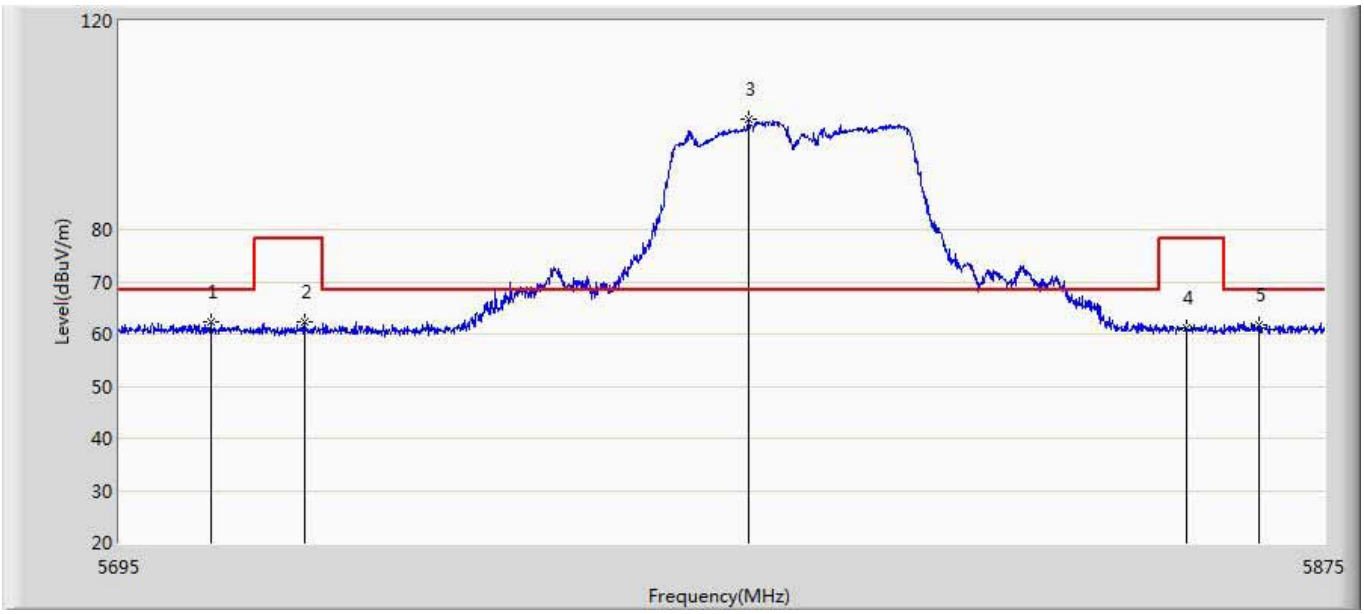
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5710.120	62.516	19.199	-5.784	68.300	43.317	PK
2		5719.210	63.204	19.918	-15.096	78.300	43.286	PK
3	*	5749.810	95.077	51.798	26.777	68.300	43.279	PK
4		5856.730	61.791	18.270	-16.509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



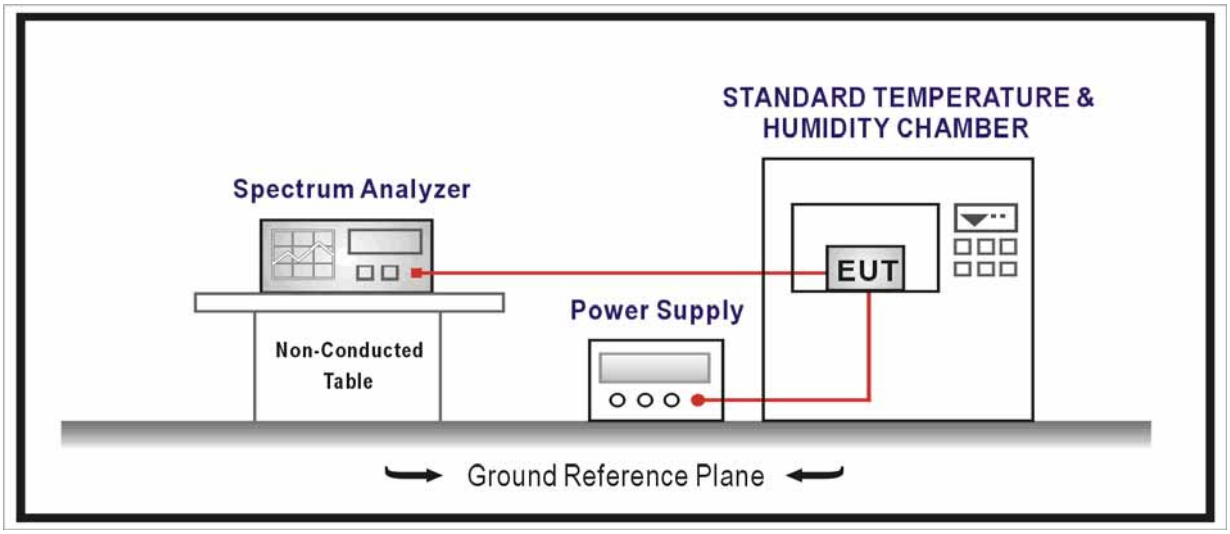
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5708.500	62.229	18.910	-6.071	68.300	43.319	PK
2		5722.270	62.317	19.042	-15.983	78.300	43.275	PK
3	*	5788.420	101.207	57.903	32.907	68.300	43.304	PK
4		5854.300	61.297	17.795	-17.003	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 ± 25ppm 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 (℃)	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 (℃)	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 (℃)	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 (℃)	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