

## 7.9. Radiated Restricted Band Edge Measurement

### 7.9.1. Test Limit

#### **For 15.205 requirement:**

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

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

#### **For 15.407(b) requirement:**

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of  $-17$  dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.

Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBuV/m)
5150 - 5250	-27	68.2
5725 - 5850	-17	78.2
	-27	68.2

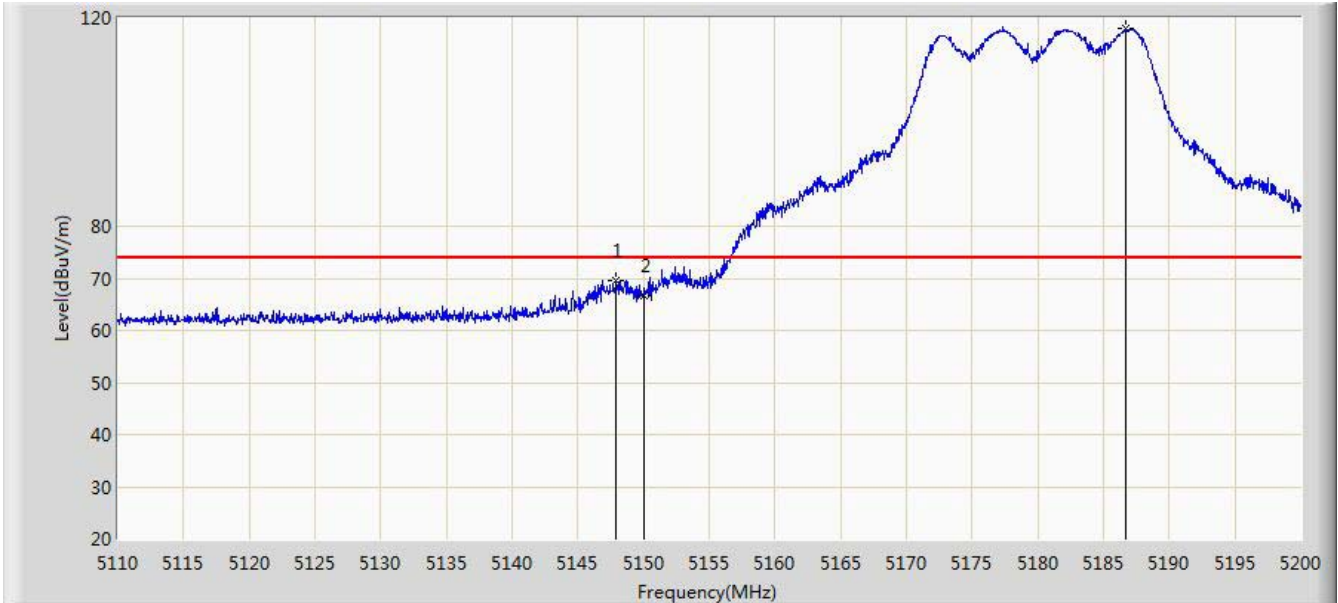
Note: Refer to KDB 789033 D02v01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

### 7.9.2. Test Result of Radiated Restricted Band Edge

Site: AC1	Time: 2014/10/28 - 10:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11a Ant 0+1	

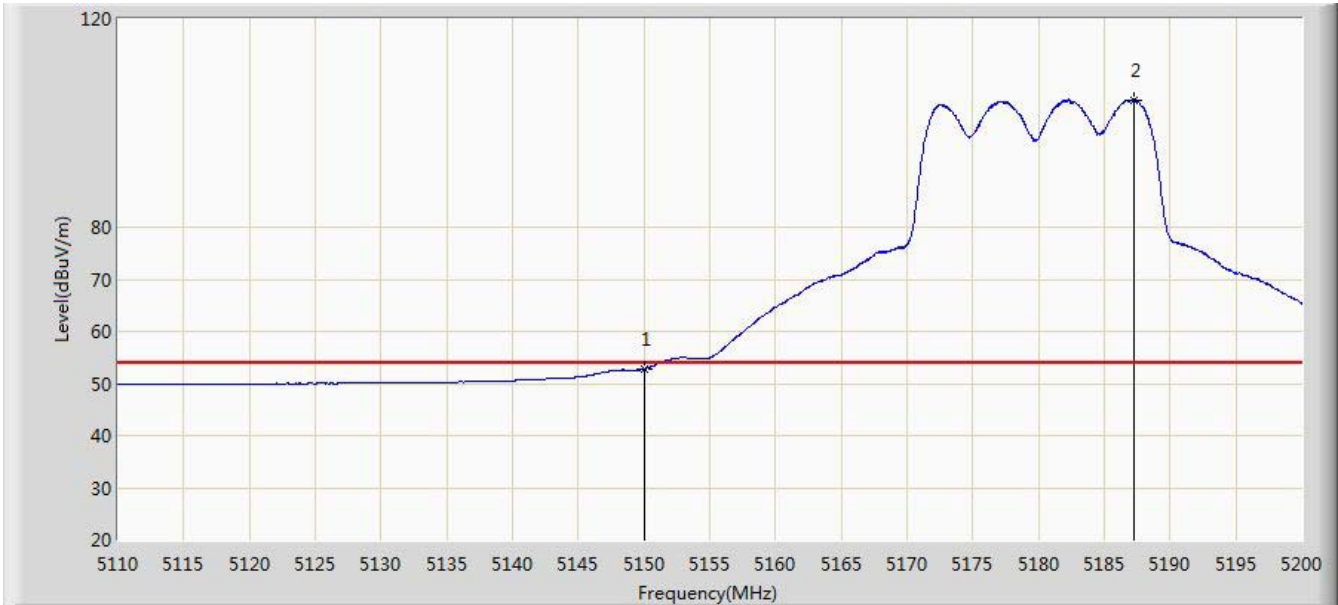


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.935	69.503	32.748	-4.497	74.000	36.755	PK
2			5150.000	66.770	30.018	-7.230	74.000	36.752	PK
3		*	5186.680	118.077	81.431	N/A	N/A	36.646	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 10:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11a Ant 0+1	

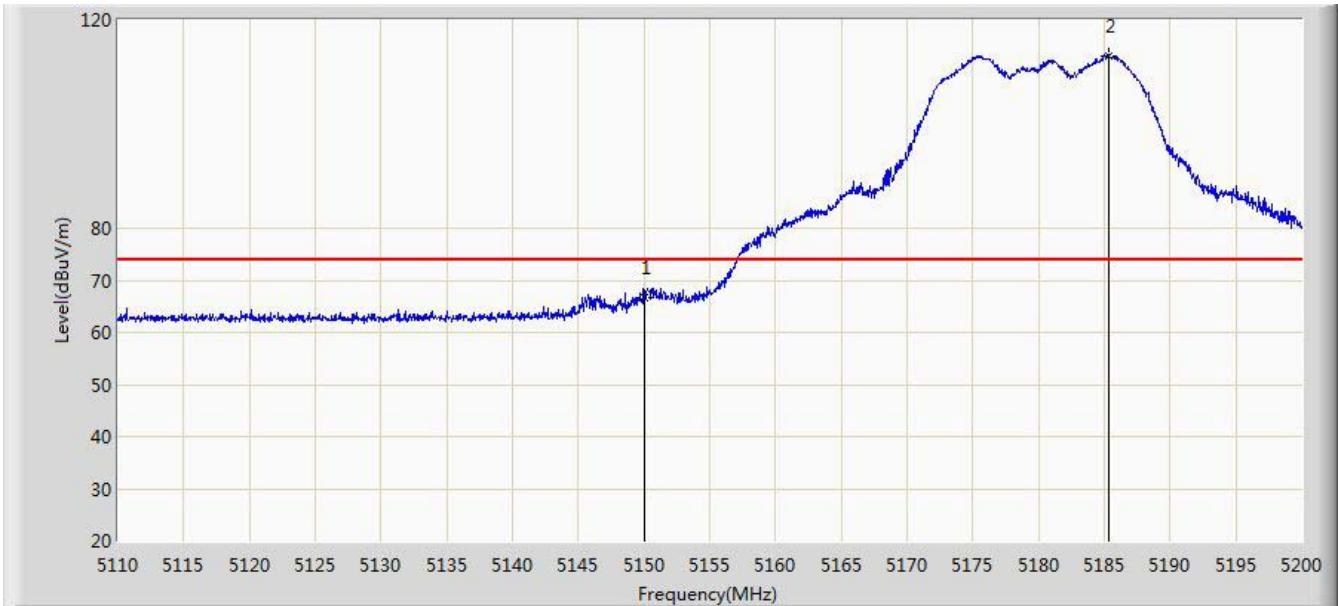


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.815	16.063	-1.185	54.000	36.752	AV
2		*	5187.220	104.457	67.812	N/A	N/A	36.645	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 10:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11a Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	66.551	29.799	-7.449	74.000	36.752	PK
2		*	5185.330	113.097	76.447	N/A	N/A	36.650	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 11:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11a Ant 0+1	

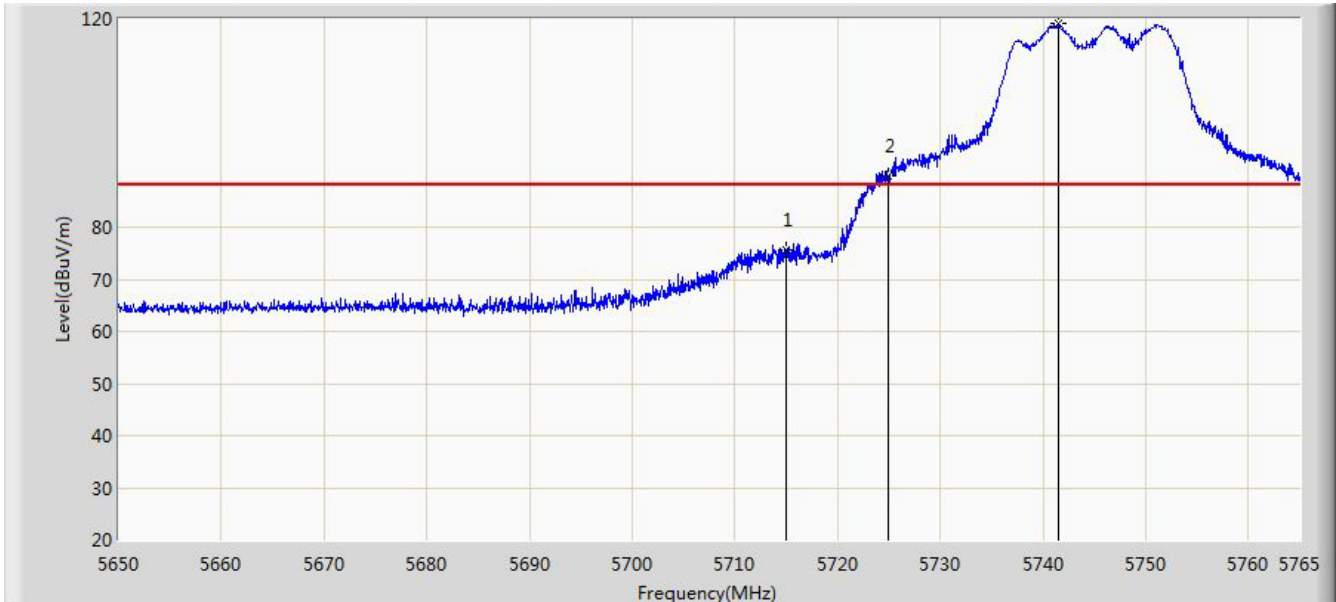


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.705	14.953	-2.295	54.000	36.752	AV
2		*	5185.105	98.739	62.088	N/A	N/A	36.650	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:12
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11a Ant 0+1	

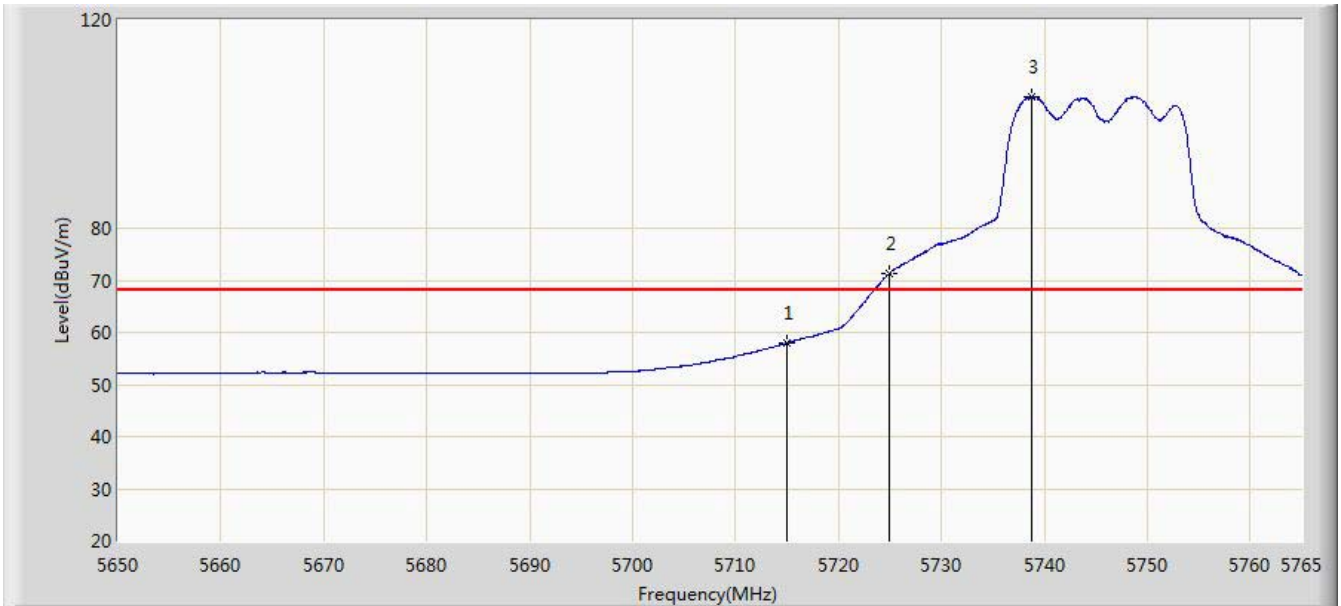


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	75.580	38.313	-12.620	88.200	37.267	PK
2			5725.000	89.928	52.623	-8.272	98.200	37.305	PK
3		*	5741.482	119.266	81.895	N/A	N/A	37.371	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:15
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11a Ant 0+1	



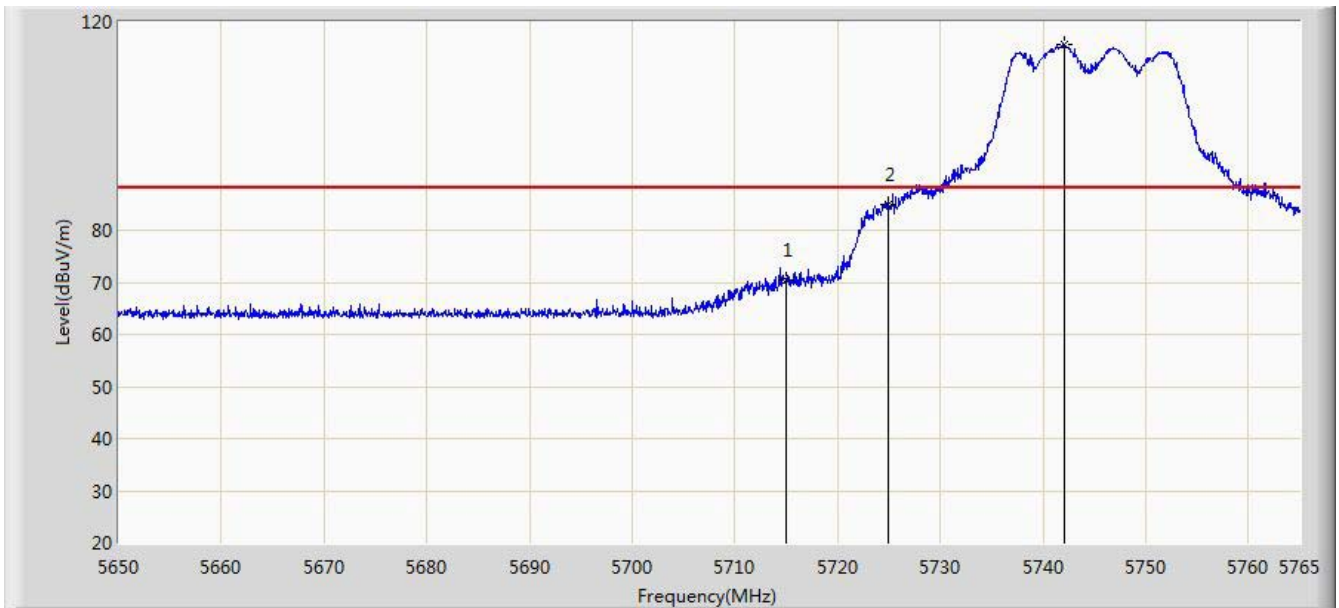
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	57.956	20.689	-10.244	68.200	37.267	AV
2			5725.000	71.334	34.029	-6.866	78.200	37.305	AV
3		*	5738.723	105.305	67.945	N/A	N/A	37.360	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: AC1	Time: 2014/10/28 - 13:23
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11a Ant 0+1	

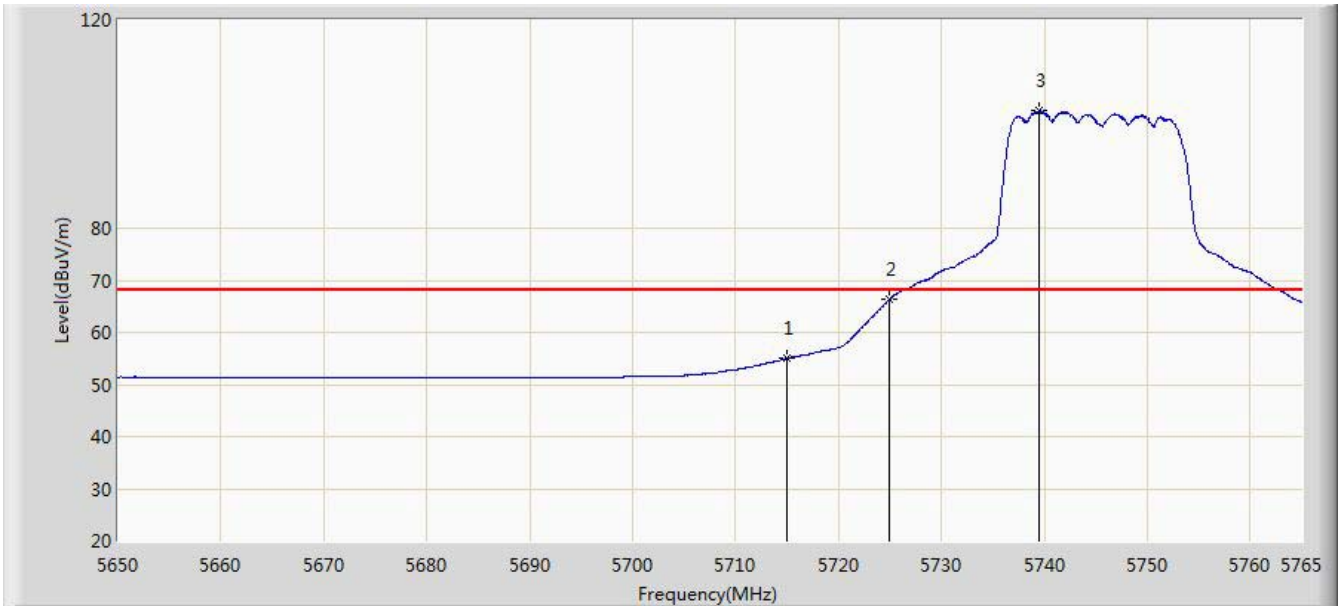


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	70.477	33.210	-17.723	88.200	37.267	PK
2			5725.000	85.002	47.697	-13.198	98.200	37.305	PK
3		*	5742.115	115.551	78.178	N/A	N/A	37.373	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:26
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11a Ant 0+1	

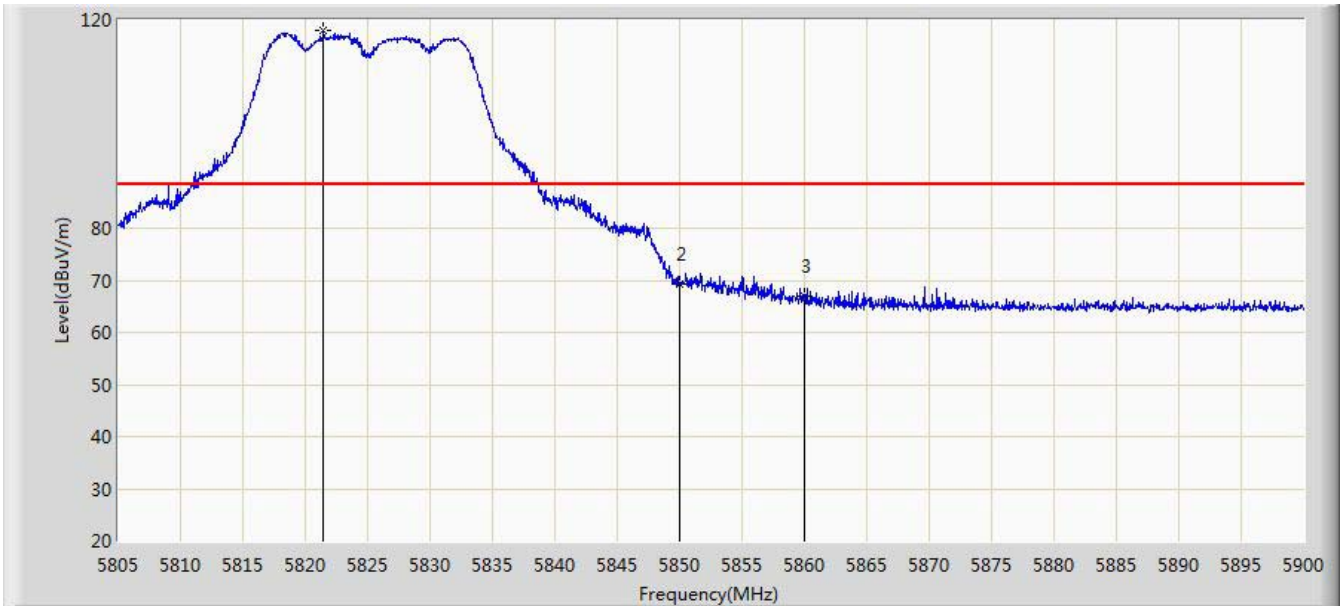


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	54.976	17.709	-13.224	68.200	37.267	AV
2			5725.000	66.418	29.113	-11.782	78.200	37.305	AV
3		*	5739.527	102.474	65.111	N/A	N/A	37.363	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 11:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11a Ant 0+1	

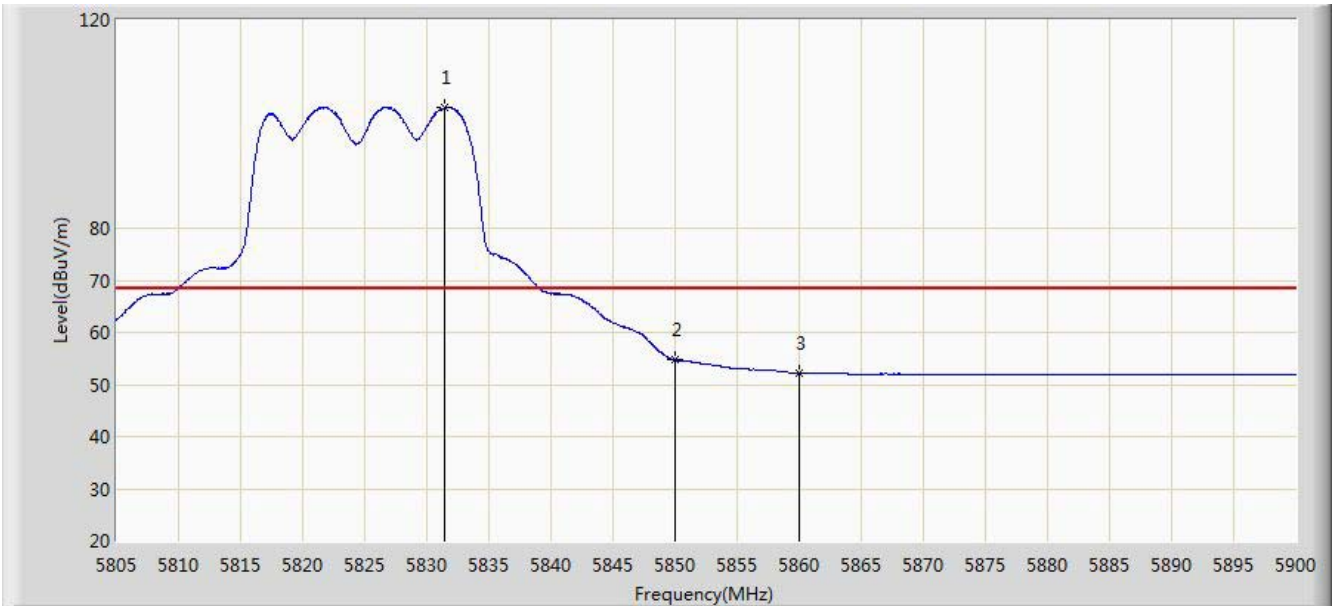


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.482	117.864	80.217	N/A	N/A	37.647	PK
2			5850.000	69.197	31.461	-29.103	98.200	37.736	PK
3			5860.000	66.960	29.186	-21.340	88.200	37.774	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 11:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11a Ant 0+1	

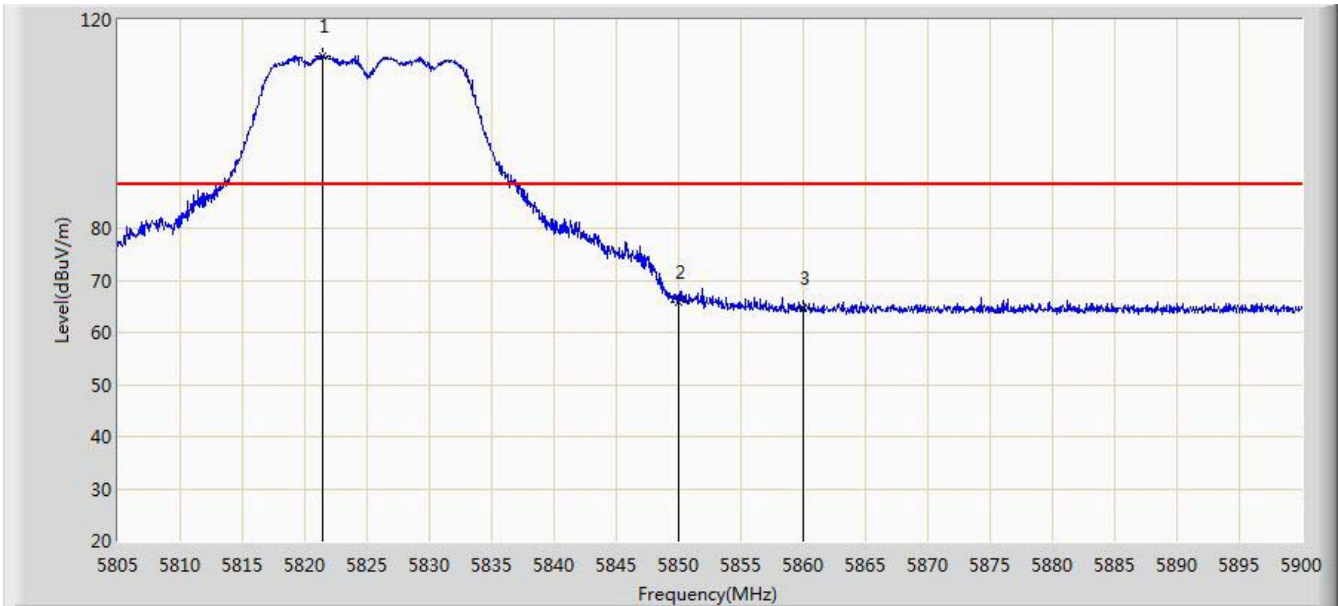


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5831.410	103.196	65.525	N/A	N/A	37.671	AV
2			5850.000	54.754	17.018	-13.546	78.200	37.736	AV
3			5860.000	52.247	14.473	-16.053	68.200	37.774	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 11:41
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11a Ant 0+1	

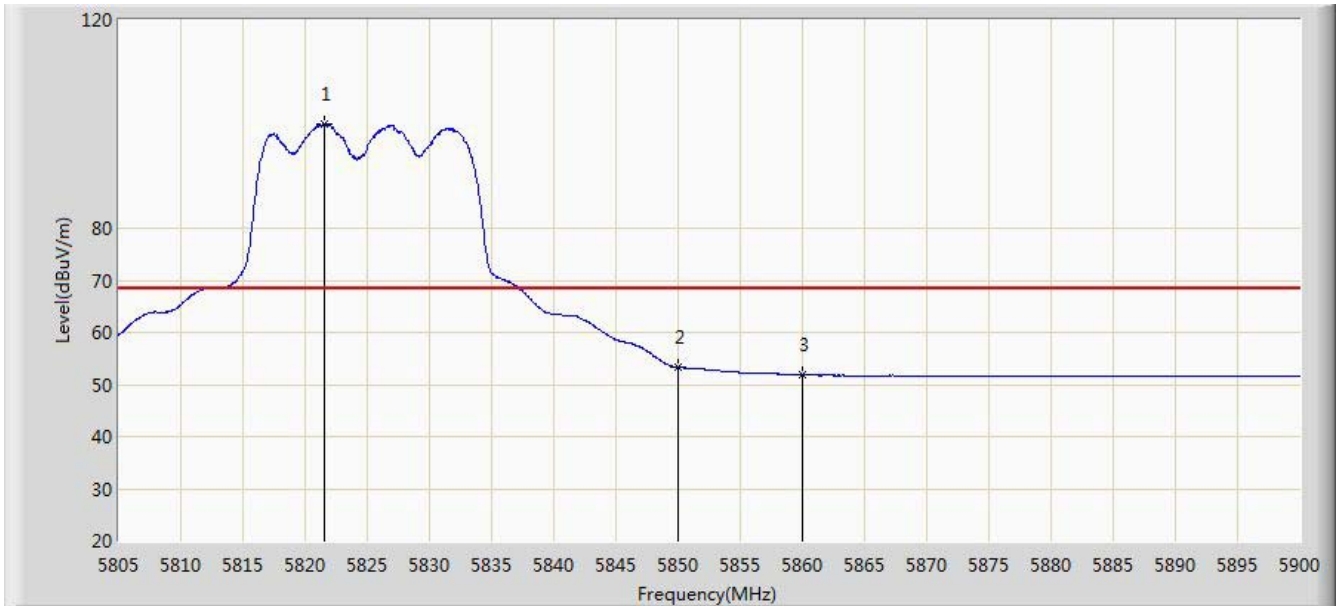


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.482	113.017	75.370	N/A	N/A	37.647	PK
2			5850.000	65.730	27.994	-32.570	98.200	37.736	PK
3			5860.000	64.592	26.818	-23.708	88.200	37.774	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 11:43
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11a Ant 0+1	

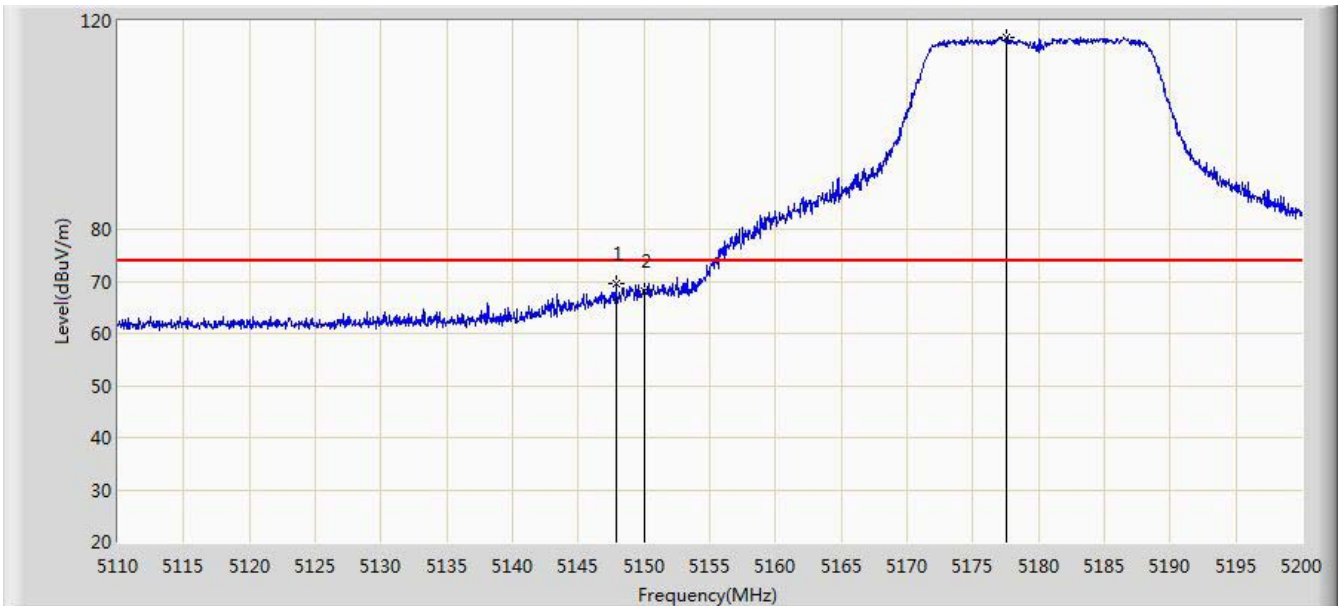


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.530	99.971	62.324	N/A	N/A	37.647	AV
2			5850.000	53.334	15.598	-24.966	78.200	37.736	AV
3			5860.000	51.768	13.994	-16.532	68.200	37.774	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 11:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11n-HT20 Ant 0+1	

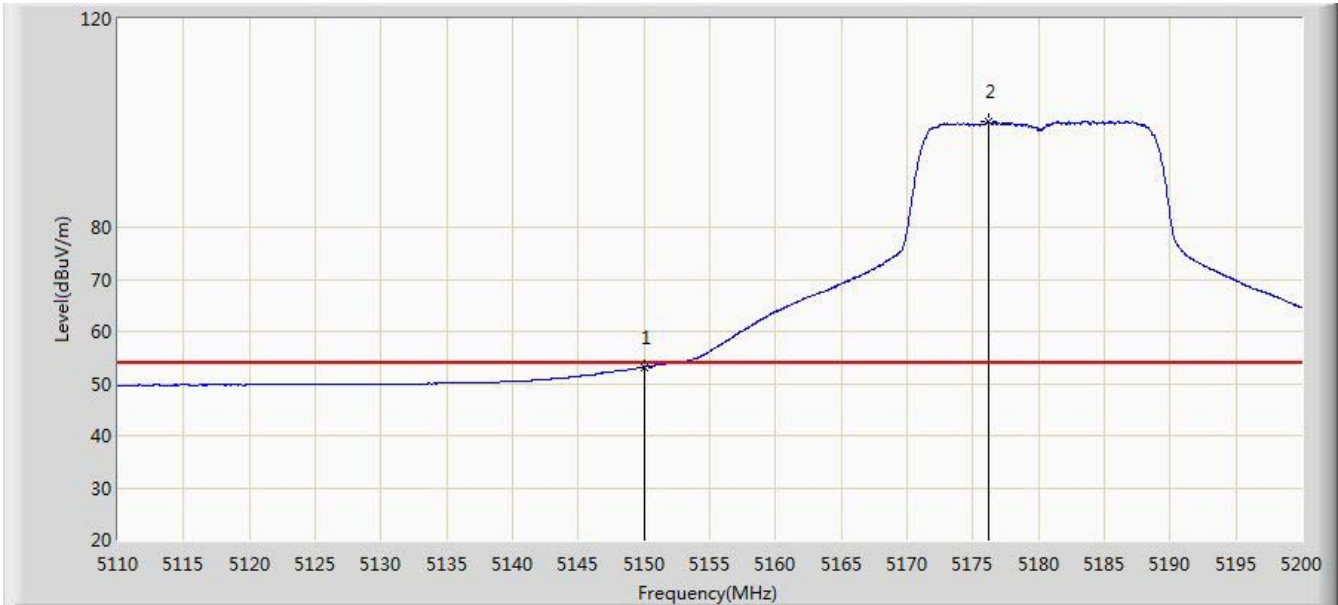


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.890	69.665	32.910	-4.335	74.000	36.755	PK
2			5150.000	68.147	31.395	-5.853	74.000	36.752	PK
3		*	5177.500	116.769	80.096	N/A	N/A	36.674	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 11:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11n-HT20 Ant 0+1	



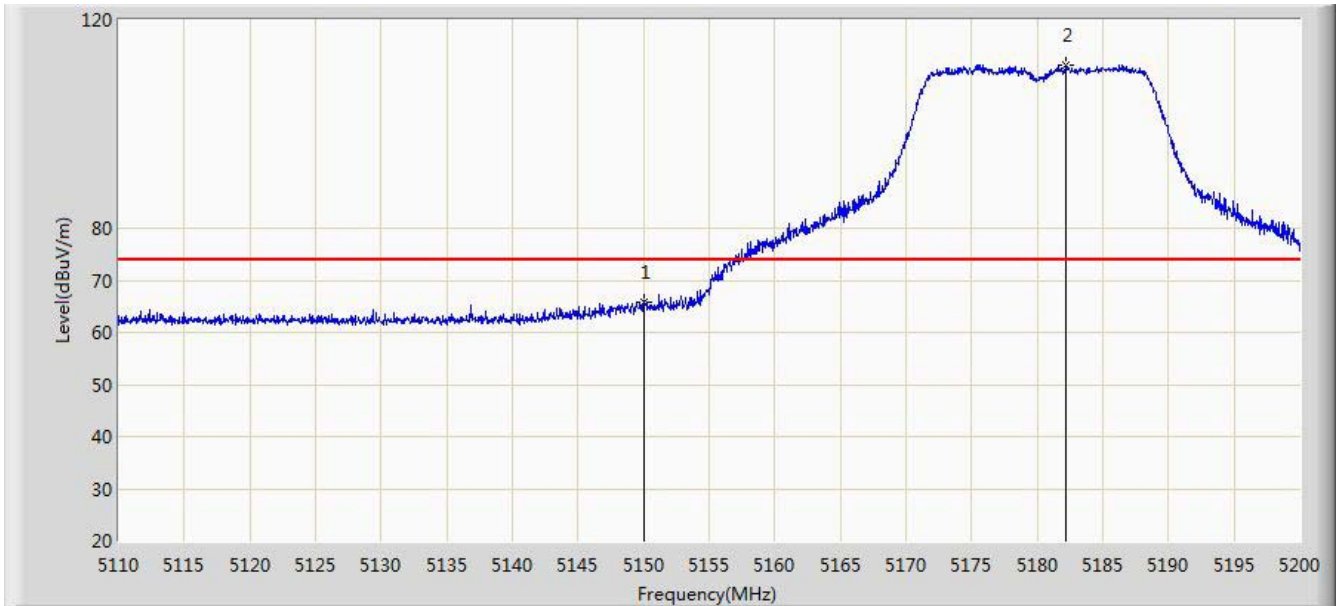
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.176	16.424	-0.824	54.000	36.752	AV
2		*	5176.150	100.281	63.603	N/A	N/A	36.677	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: AC1	Time: 2014/10/28 - 11:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11n-HT20 Ant 0+1	

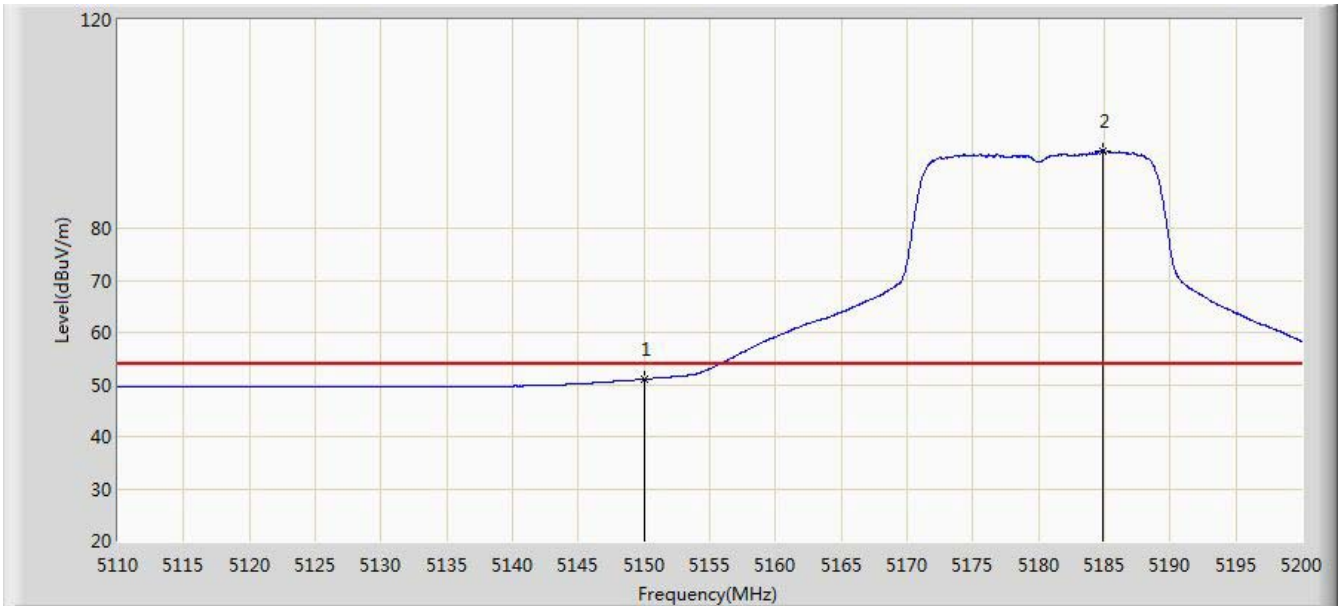


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	65.926	29.174	-8.074	74.000	36.752	PK
2		*	5182.180	111.426	74.767	N/A	N/A	36.659	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 12:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11n-HT20 Ant 0+1	

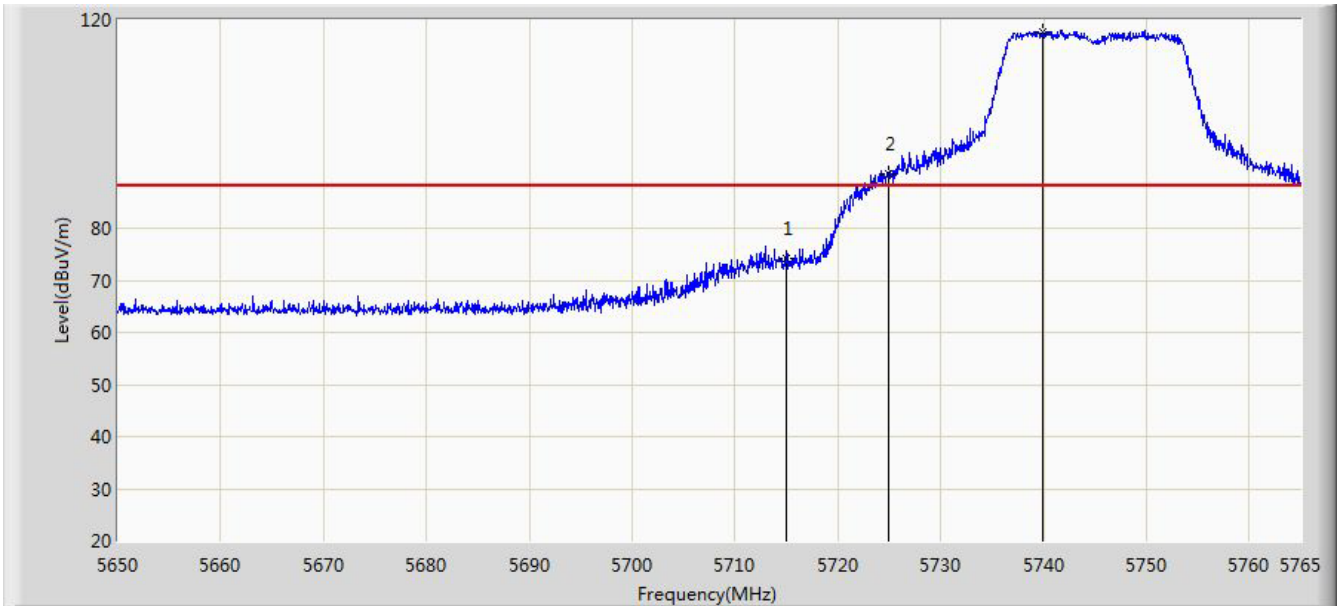


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.031	14.279	-2.969	54.000	36.752	AV
2		*	5184.835	94.908	58.257	N/A	N/A	36.651	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:27
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-HT20 Ant 0+1	

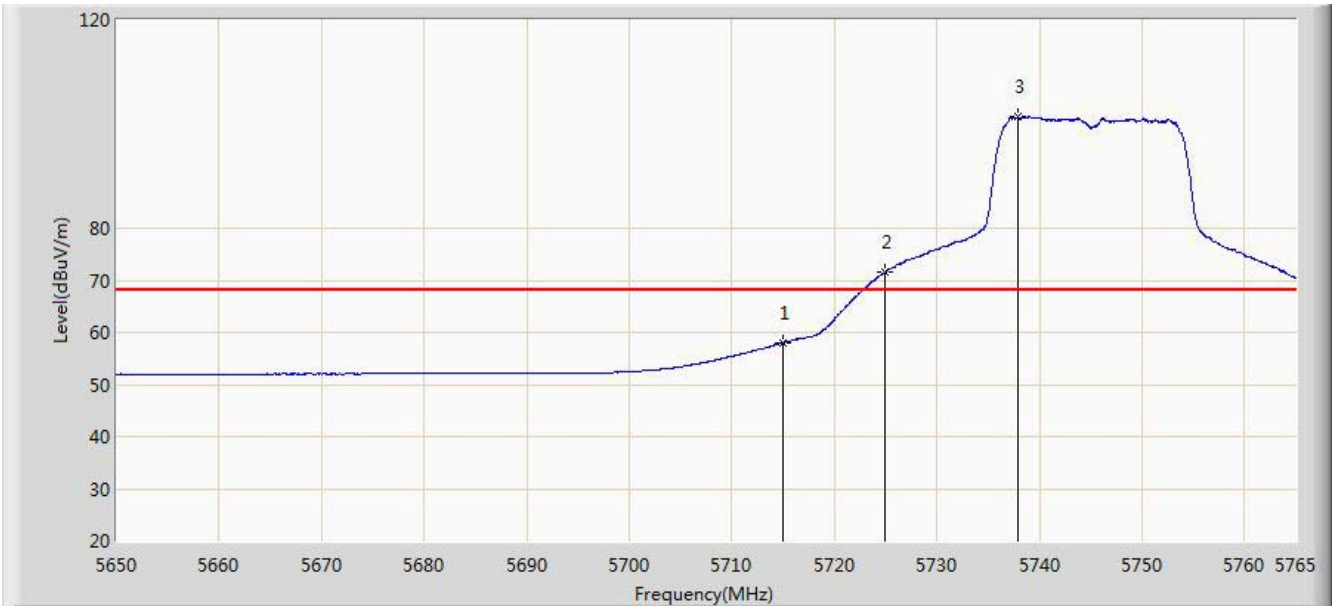


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	74.221	36.954	-13.979	88.200	37.267	PK
2			5725.000	90.543	53.238	-7.657	98.200	37.305	PK
3		*	5739.930	117.790	80.425	N/A	N/A	37.365	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:30
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-HT20 Ant 0+1	

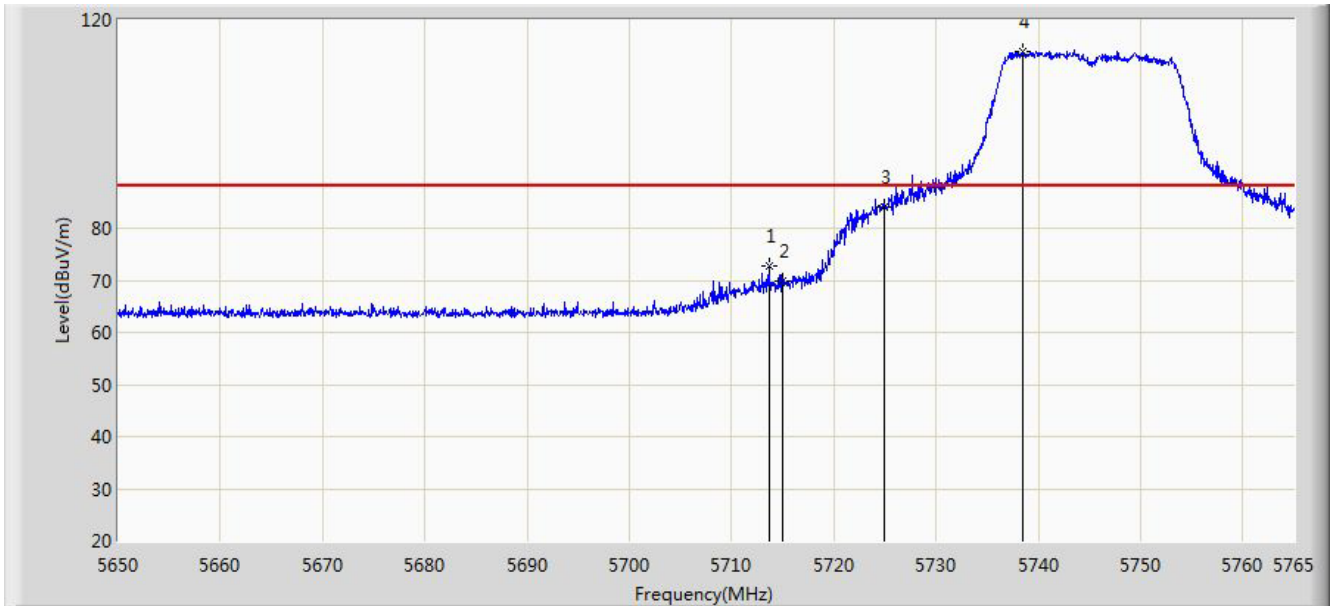


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	58.032	20.765	-10.168	68.200	37.267	AV
2			5725.000	71.565	34.260	-6.635	78.200	37.305	AV
3		*	5737.917	101.390	64.033	N/A	N/A	37.358	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:33
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-HT20 Ant 0+1	

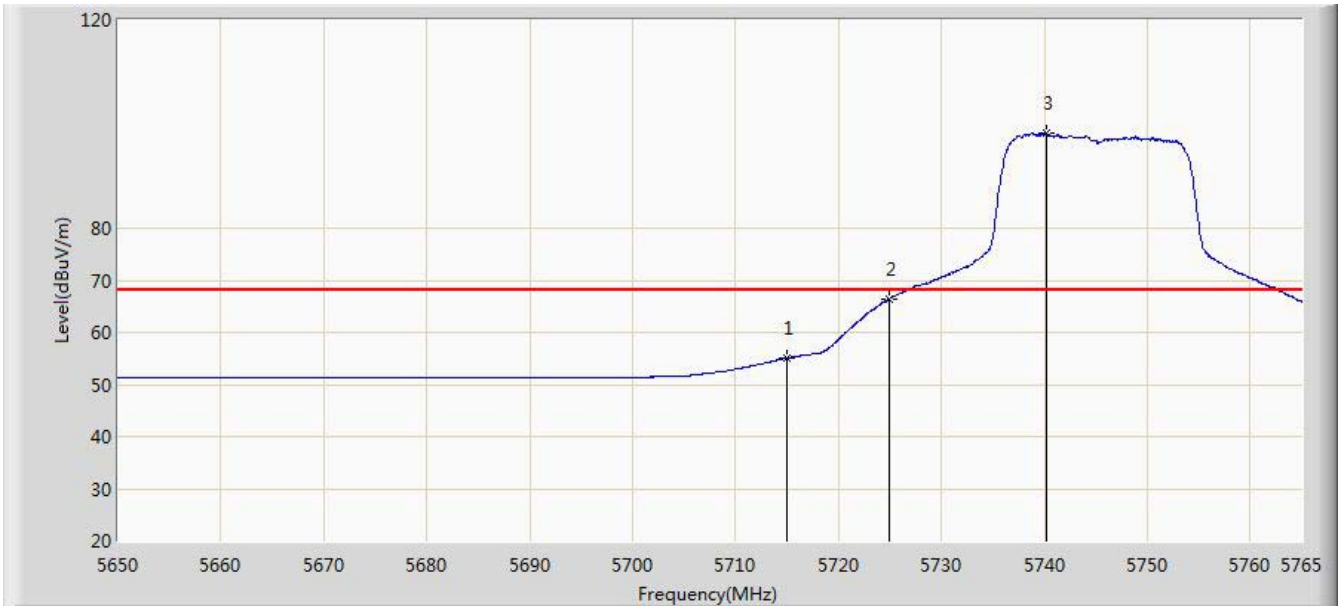


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.710	72.654	35.392	-15.546	88.200	37.262	PK
2			5715.000	69.746	32.479	-18.454	88.200	37.267	PK
3			5725.000	83.952	46.647	-14.248	98.200	37.305	PK
4		*	5738.493	114.017	76.657	N/A	N/A	37.360	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:35
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-HT20 Ant 0+1	

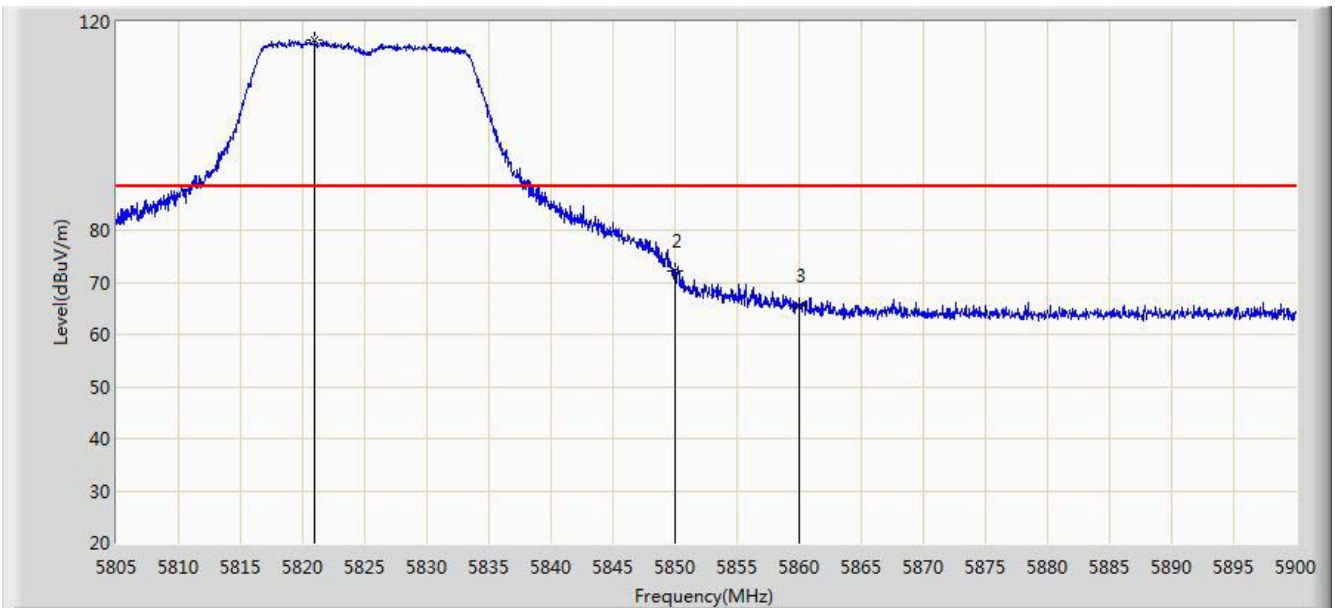


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	55.047	17.780	-13.153	68.200	37.267	AV
2			5725.000	66.508	29.203	-11.692	78.200	37.305	AV
3		*	5740.275	98.117	60.751	N/A	N/A	37.366	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:45
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11n-HT20 Ant 0+1	

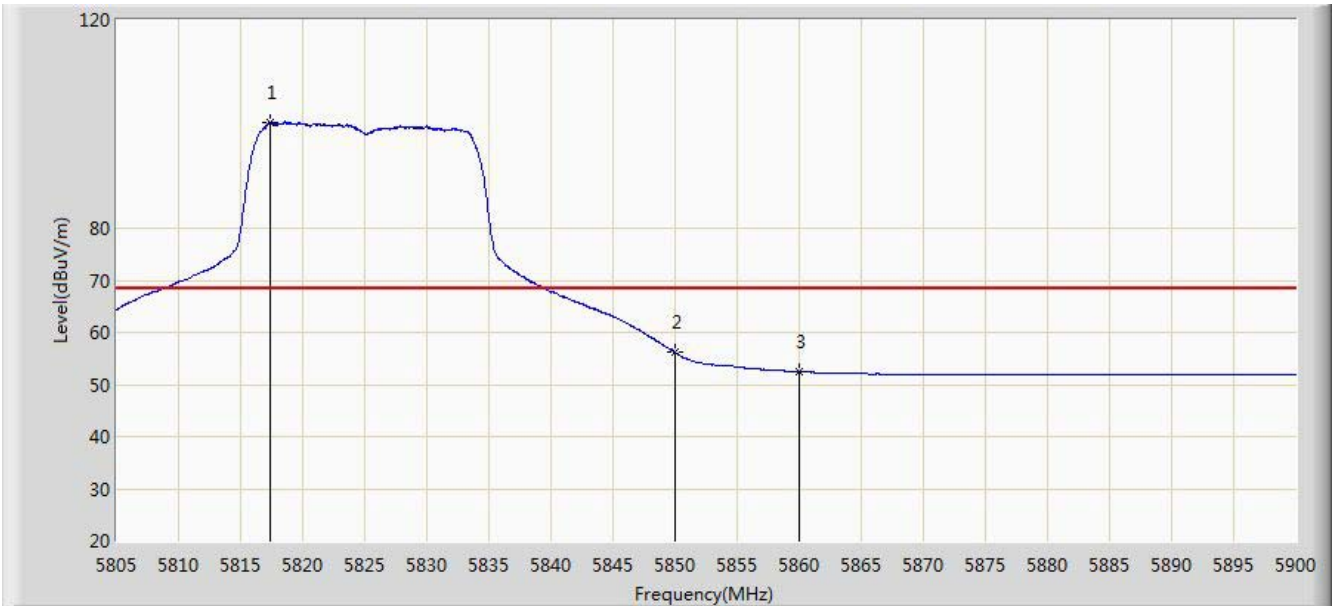


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.960	116.645	78.999	N/A	N/A	37.645	PK
2			5850.000	72.263	34.527	-26.037	98.200	37.736	PK
3			5860.000	65.465	27.691	-22.835	88.200	37.774	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:45
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11n-HT20 Ant 0+1	



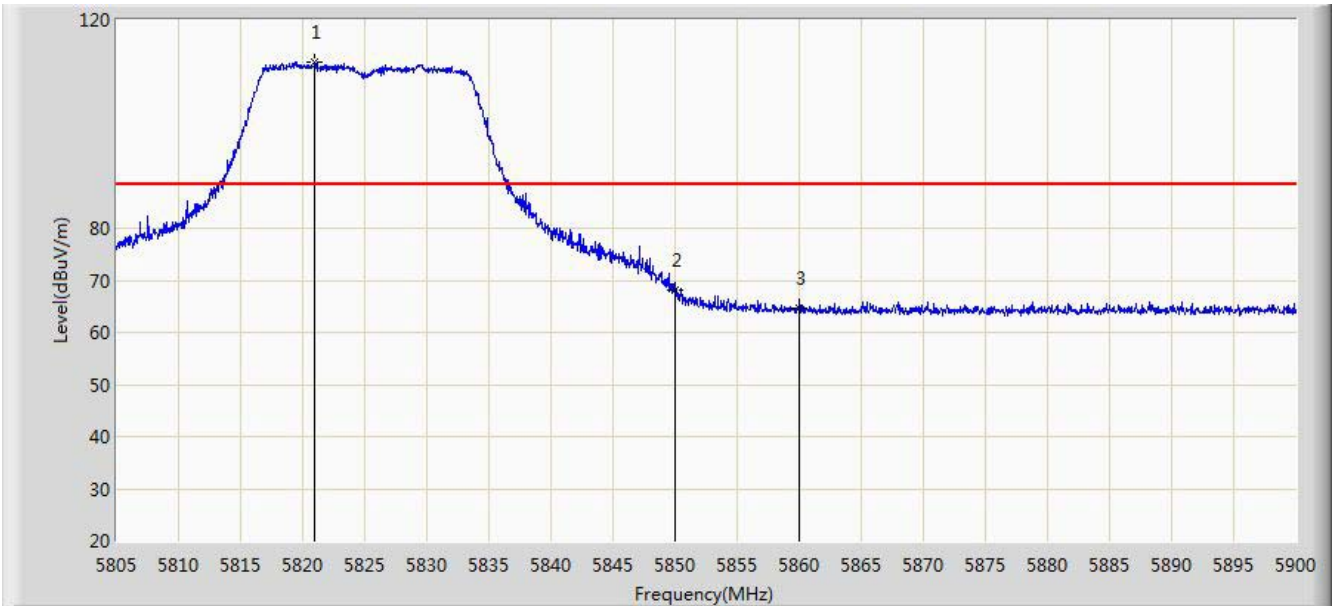
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5817.350	100.361	62.722	N/A	N/A	37.639	AV
2			5850.000	56.136	18.400	-22.164	78.200	37.736	AV
3			5860.000	52.444	14.670	-15.856	68.200	37.774	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: AC1	Time: 2014/10/28 - 13:46
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11n-HT20 Ant 0+1	

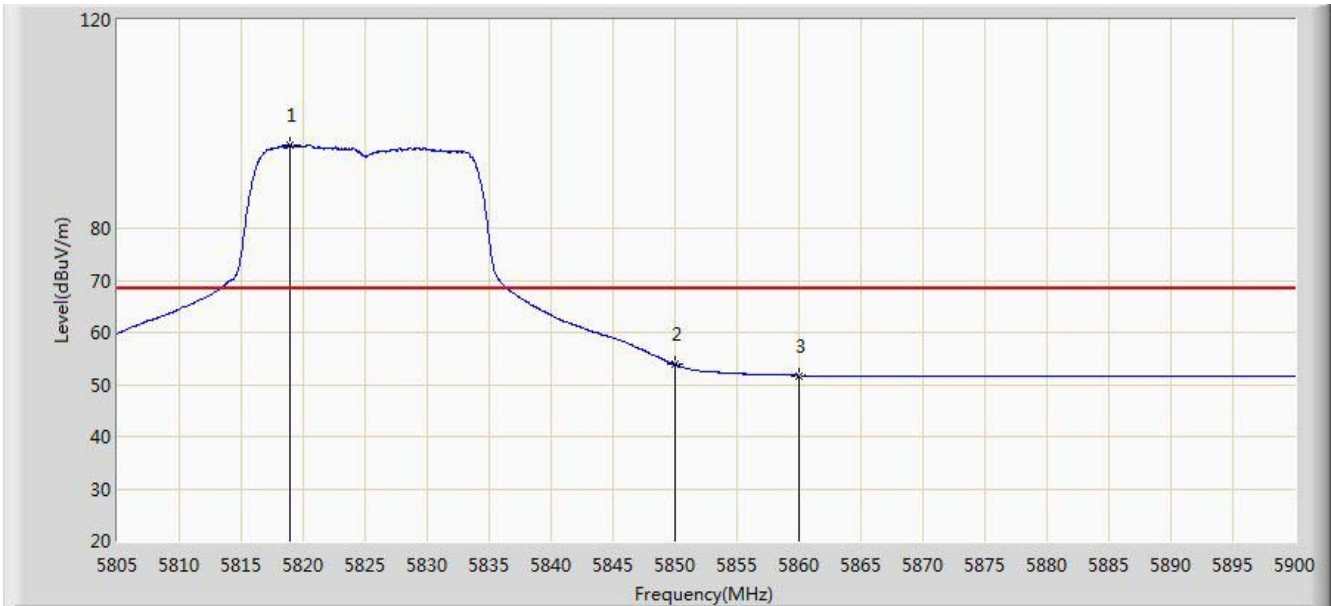


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.007	111.827	74.181	N/A	N/A	37.645	PK
2			5850.000	68.089	30.353	-30.211	98.200	37.736	PK
3			5860.000	64.503	26.729	-23.797	88.200	37.774	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:47
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11n-HT20 Ant 0+1	

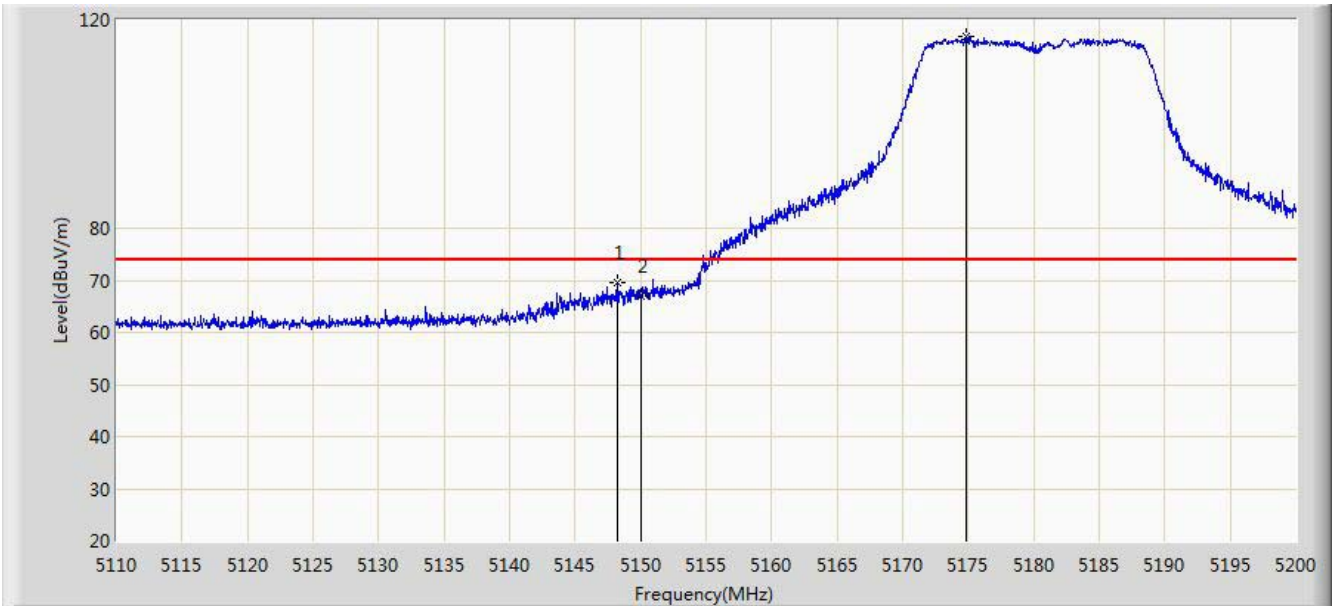


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.870	95.982	58.340	N/A	N/A	37.641	AV
2			5850.000	53.876	16.140	-24.424	78.200	37.736	AV
3			5860.000	51.731	13.957	-16.569	68.200	37.774	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11n-VHT20 Ant 0+1	

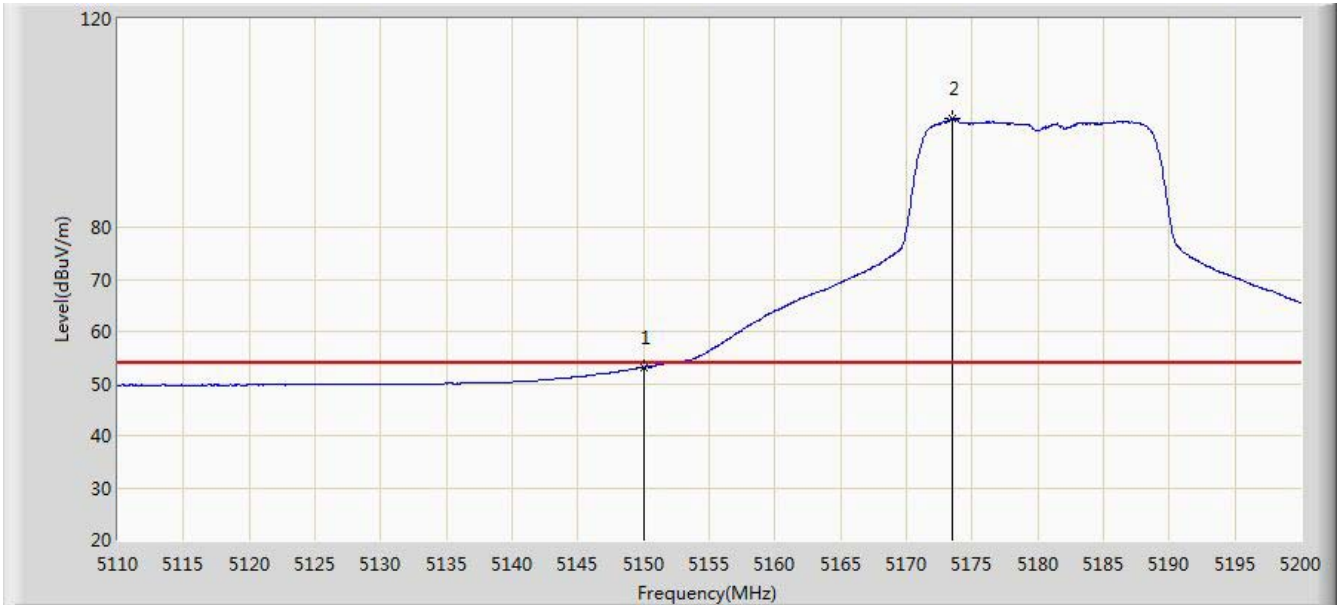


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.250	69.451	32.697	-4.549	74.000	36.754	PK
2			5150.000	66.878	30.126	-7.122	74.000	36.752	PK
3		*	5174.845	116.918	80.236	N/A	N/A	36.682	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11n-VHT20 Ant 0+1	

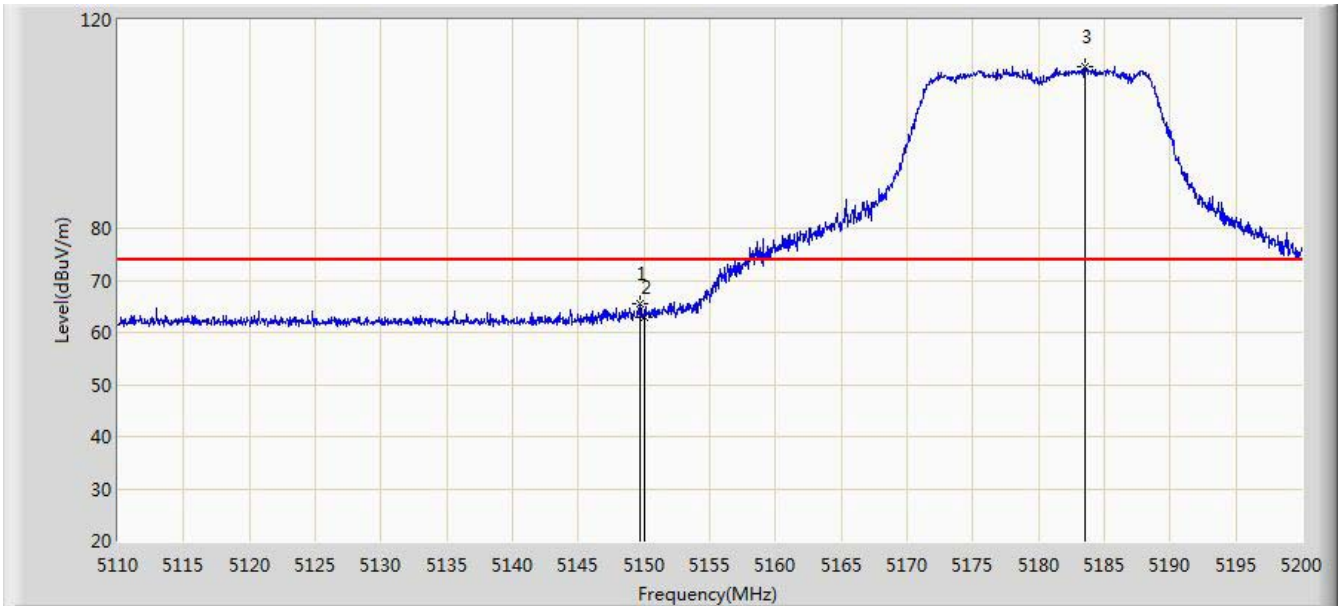


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.124	16.372	-0.876	54.000	36.752	AV
2		*	5173.495	100.939	64.253	N/A	N/A	36.686	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 13:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11n-VHT20 Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.690	65.532	28.779	-8.468	74.000	36.752	PK
2			5150.000	62.839	26.087	-11.161	74.000	36.752	PK
3		*	5183.575	110.885	74.230	N/A	N/A	36.655	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11n-VHT20 Ant 0+1	

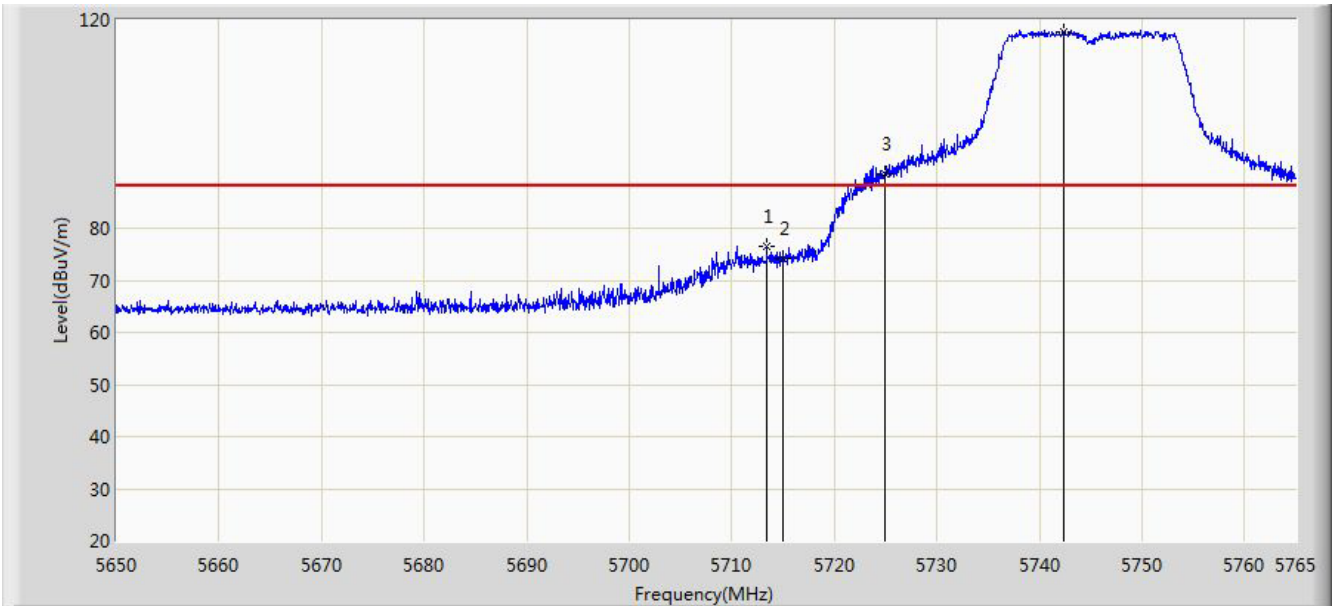


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.078	14.326	-2.922	54.000	36.752	AV
2		*	5177.815	94.837	58.165	N/A	N/A	36.673	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:01
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-VHT20 Ant 0+1	

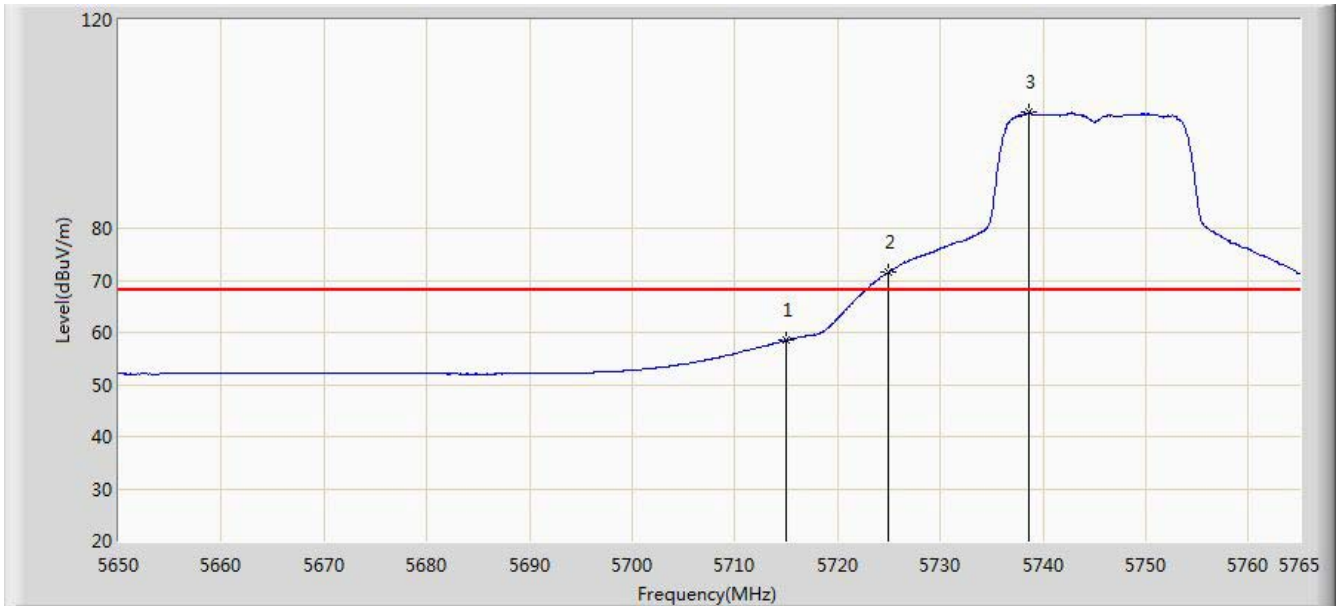


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.422	76.642	39.381	-11.558	88.200	37.261	PK
2			5715.000	74.232	36.965	-13.968	88.200	37.267	PK
3			5725.000	90.554	53.249	-7.646	98.200	37.305	PK
4		*	5742.402	117.803	80.429	N/A	N/A	37.374	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:03
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-VHT20 Ant 0+1	



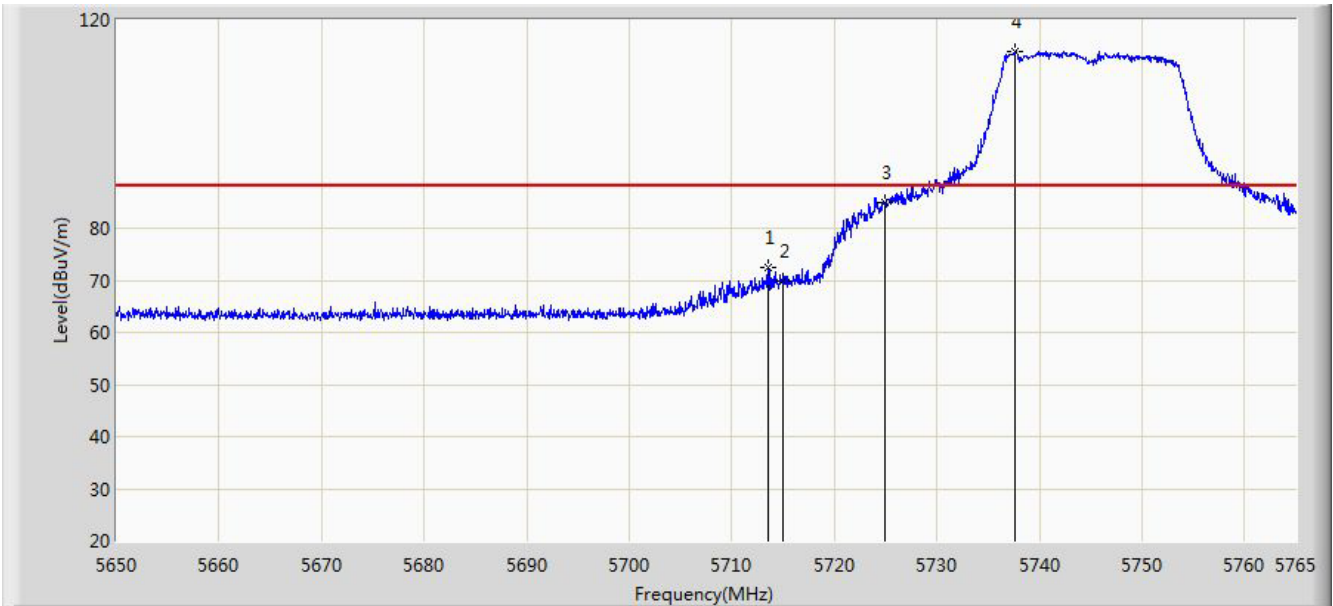
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	58.500	21.233	-9.700	68.200	37.267	AV
2			5725.000	71.567	34.262	-6.633	78.200	37.305	AV
3		*	5738.665	102.223	64.863	N/A	N/A	37.360	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: AC1	Time: 2014/10/28 - 14:06
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-VHT20 Ant 0+1	

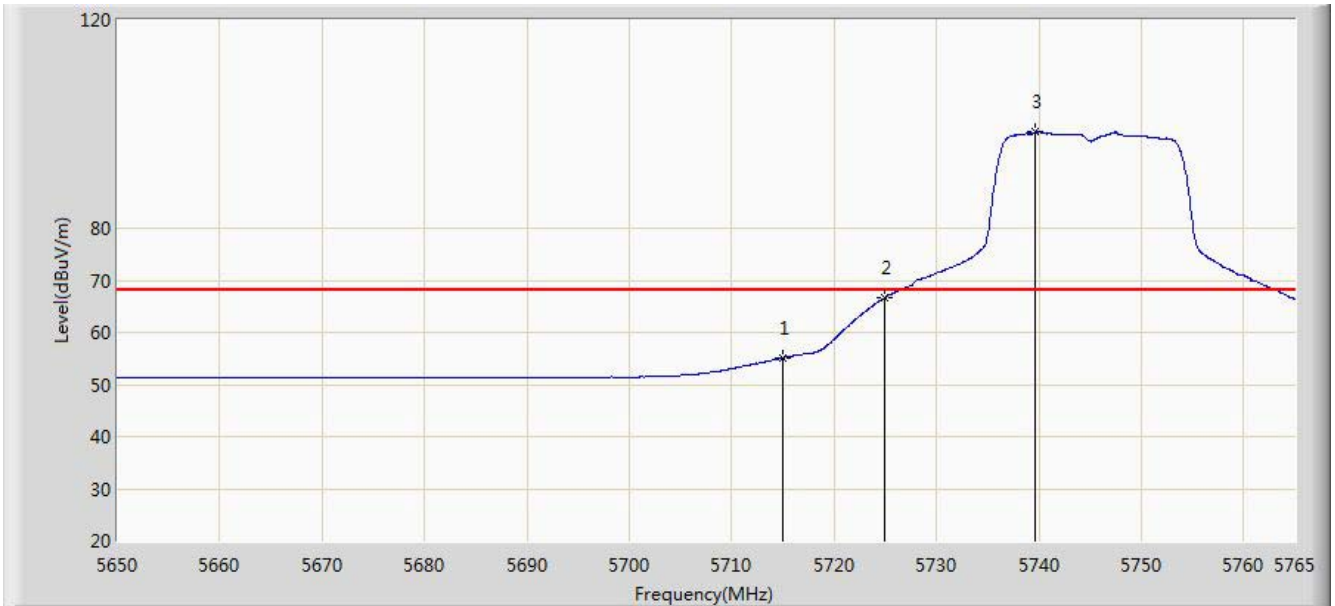


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.538	72.442	35.181	-15.758	88.200	37.261	PK
2			5715.000	69.999	32.732	-18.201	88.200	37.267	PK
3			5725.000	84.823	47.518	-13.377	98.200	37.305	PK
4		*	5737.572	113.964	76.608	N/A	N/A	37.356	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-VHT20 Ant 0+1	

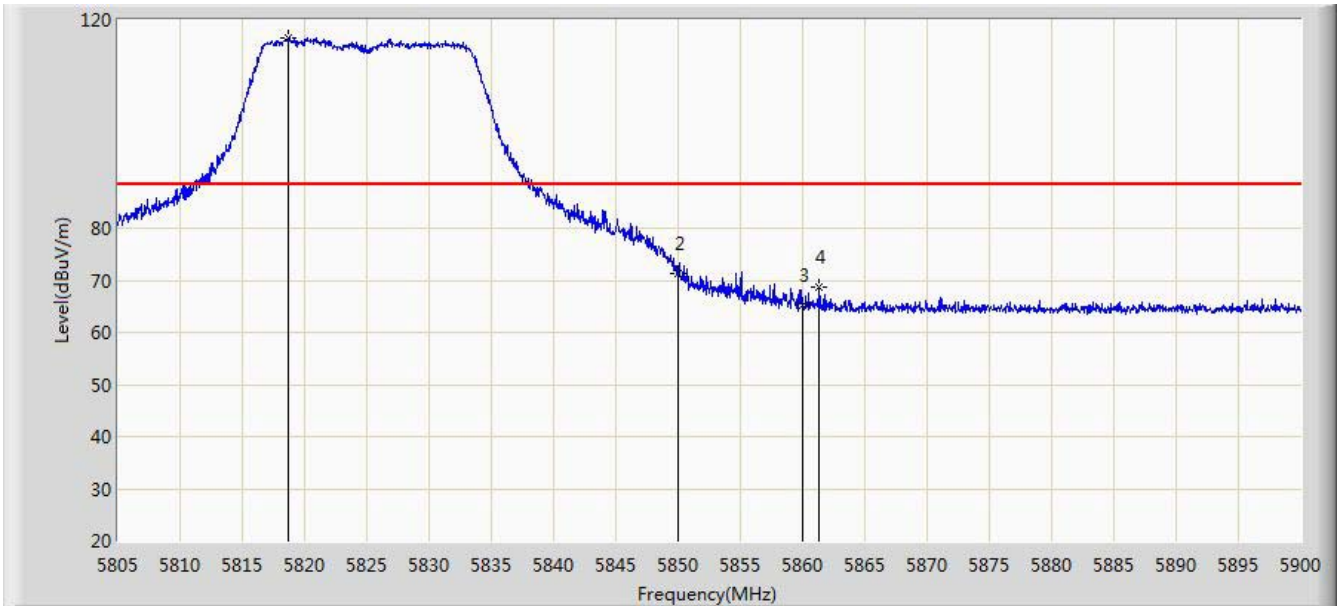


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	55.109	17.842	-13.091	68.200	37.267	AV
2			5725.000	66.667	29.362	-11.533	78.200	37.305	AV
3		*	5739.585	98.446	61.082	N/A	N/A	37.363	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:08
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11n-VHT20 Ant 0+1	

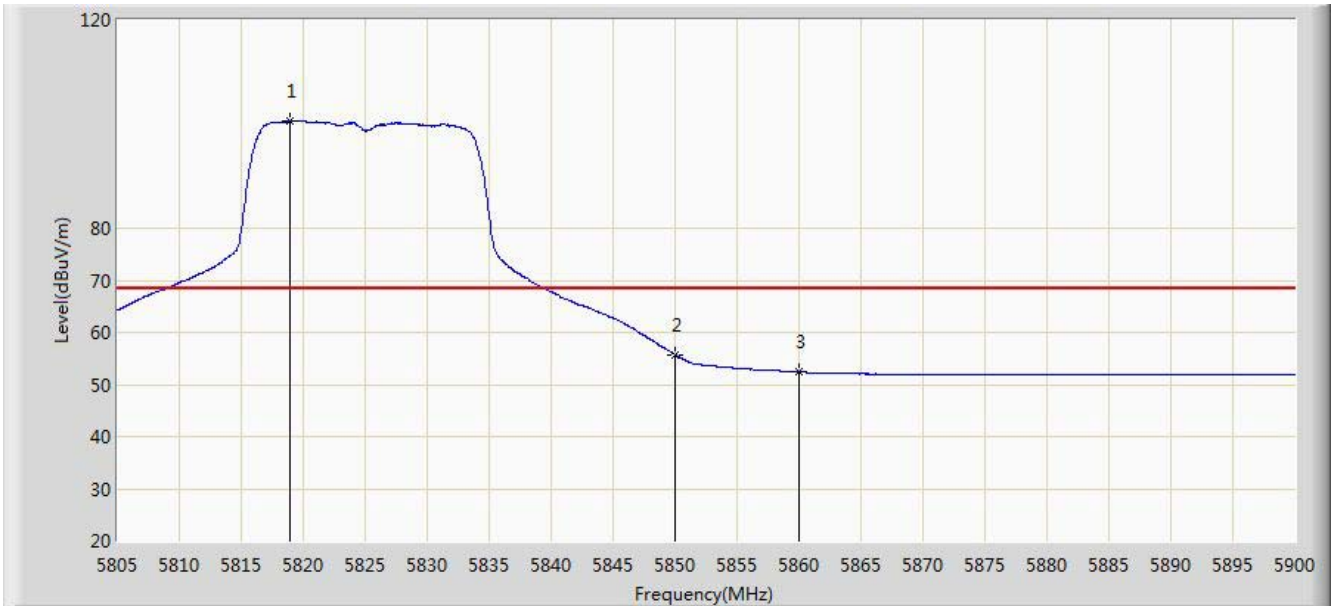


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.632	116.573	78.932	N/A	N/A	37.641	PK
2			5850.000	71.283	33.547	-27.017	98.200	37.736	PK
3			5860.000	65.274	27.500	-23.026	88.200	37.774	PK
4			5861.335	68.691	30.912	-19.609	88.200	37.779	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11n-VHT20 Ant 0+1	

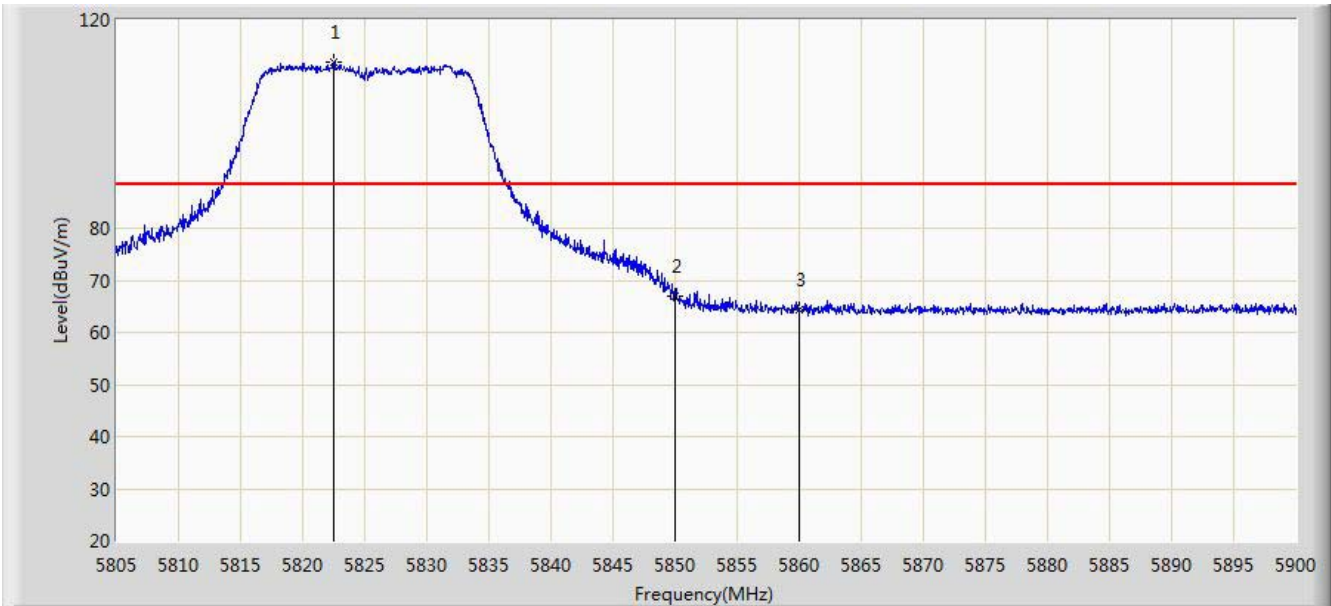


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.870	100.623	62.981	N/A	N/A	37.641	AV
2			5850.000	55.705	17.969	-22.595	78.200	37.736	AV
3			5860.000	52.409	14.635	-15.891	68.200	37.774	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11n-VHT20 Ant 0+1	

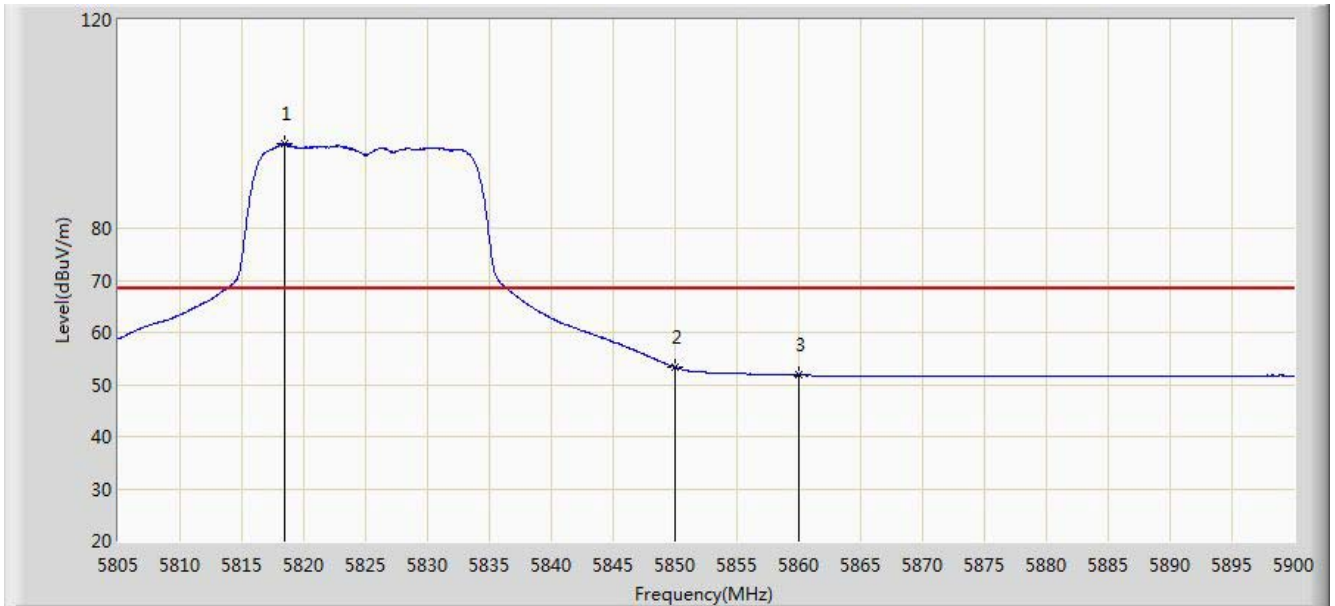


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5822.480	111.939	74.291	N/A	N/A	37.648	PK
2			5850.000	67.038	29.302	-31.262	98.200	37.736	PK
3			5860.000	64.371	26.597	-23.929	88.200	37.774	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:12
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11n-VHT20 Ant 0+1	

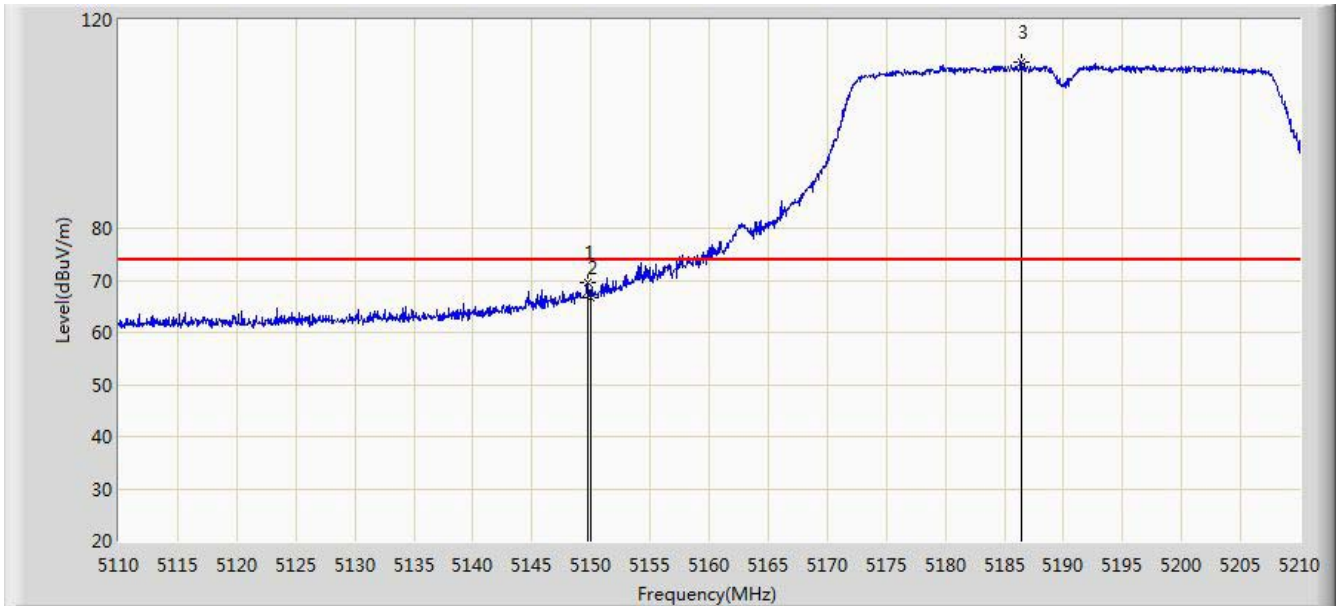


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.395	96.250	58.609	N/A	N/A	37.641	AV
2			5850.000	53.339	15.603	-24.961	78.200	37.736	AV
3			5860.000	51.751	13.977	-16.549	68.200	37.774	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5190MHz by 802.11n-HT40 Ant 0+1	

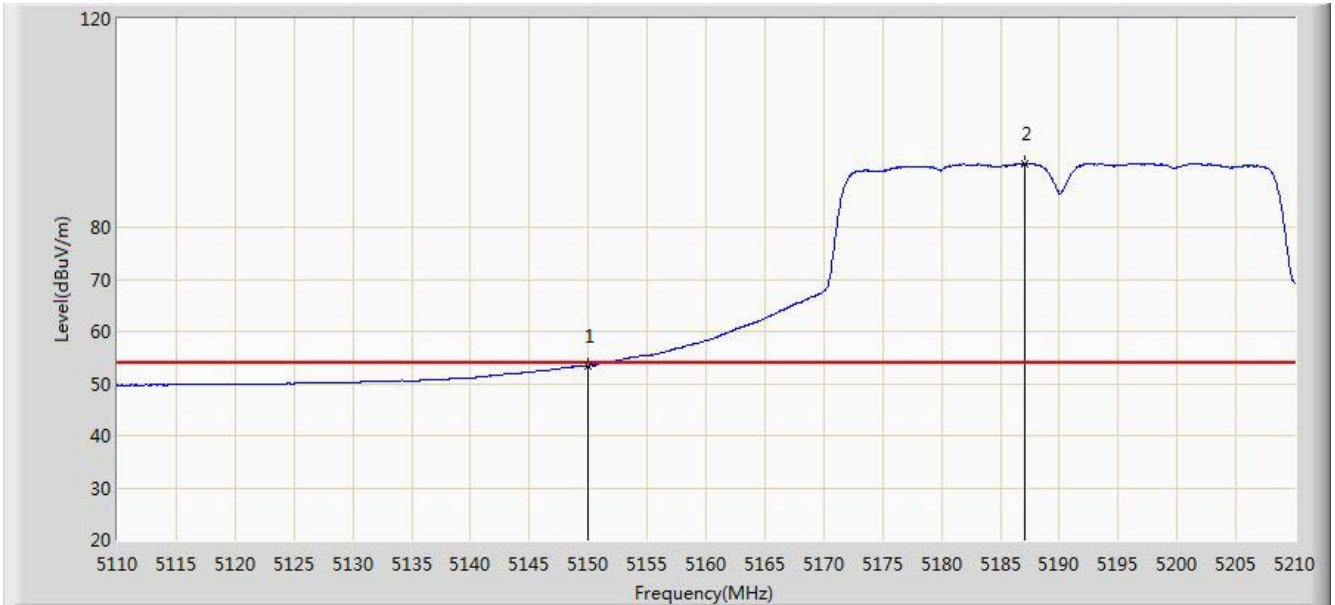


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.750	69.540	32.787	-4.460	74.000	36.752	PK
2			5150.000	66.526	29.774	-7.474	74.000	36.752	PK
3		*	5186.450	111.939	75.292	N/A	N/A	36.647	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5190MHz by 802.11n-HT40 Ant 0+1	



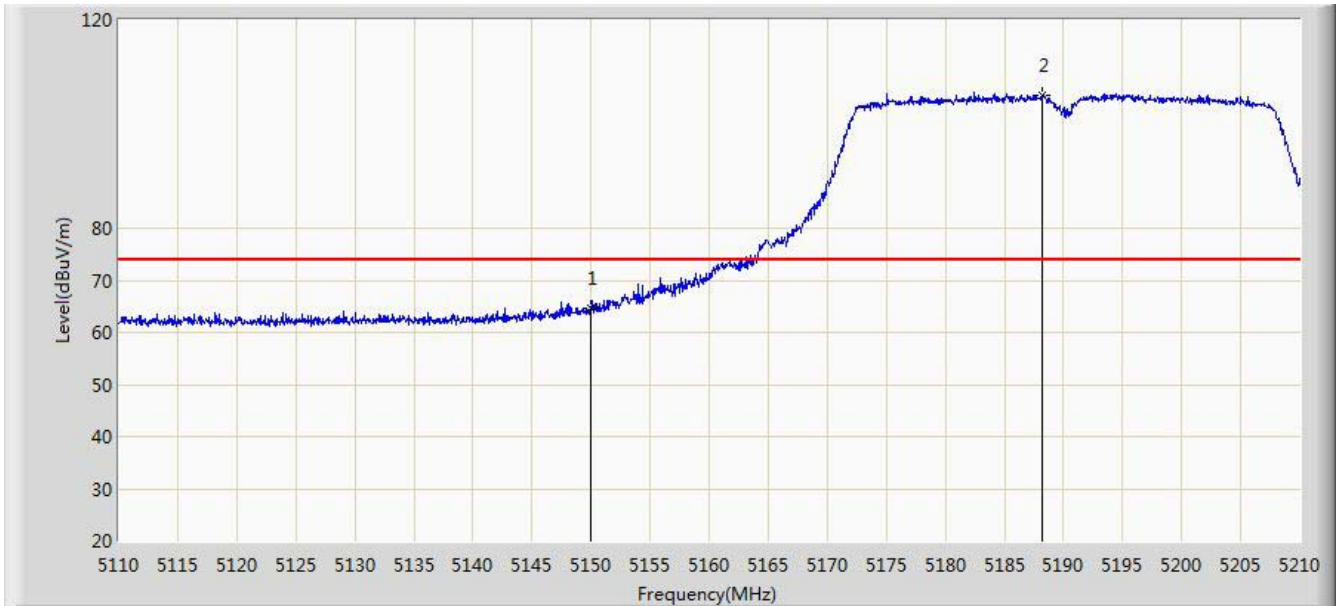
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.428	16.676	-0.572	54.000	36.752	AV
2		*	5187.100	92.233	55.588	N/A	N/A	36.646	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: AC1	Time: 2014/10/28 - 14:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5190MHz by 802.11n-HT40 Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	64.612	27.860	-9.388	74.000	36.752	PK
2		*	5188.250	105.589	68.947	N/A	N/A	36.642	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5190MHz by 802.11n-HT40 Ant 0+1	

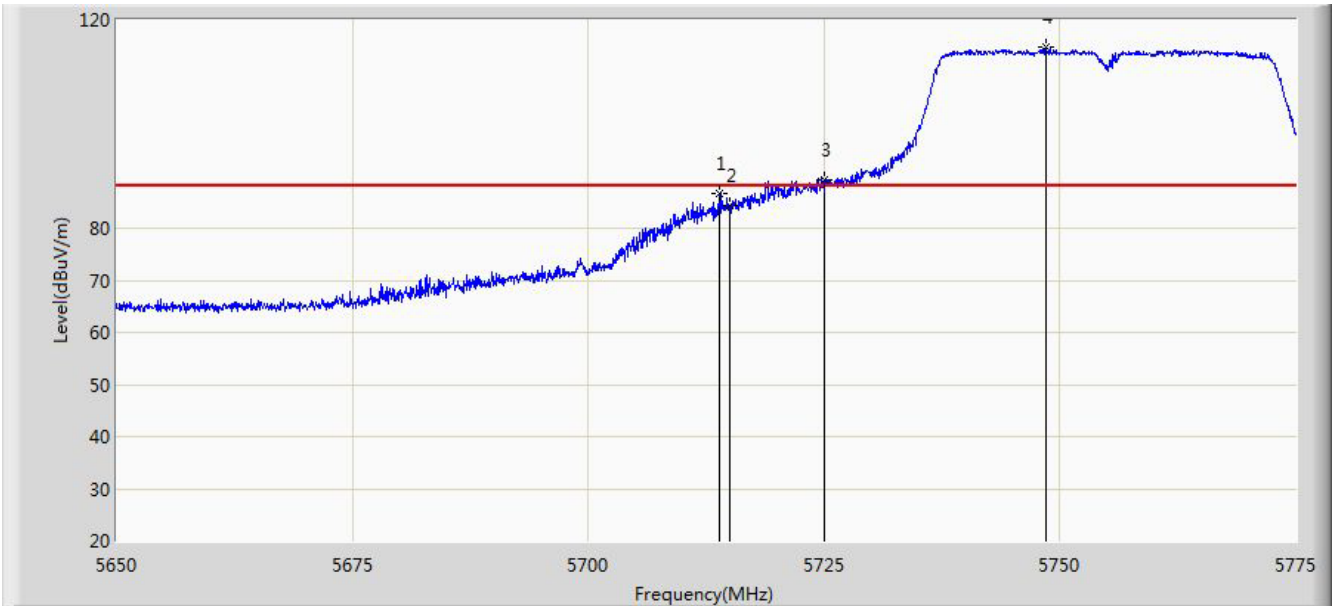


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.400	14.648	-2.600	54.000	36.752	AV
2		*	5185.350	87.241	50.591	N/A	N/A	36.650	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:27
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11n-HT40 Ant 0+1	

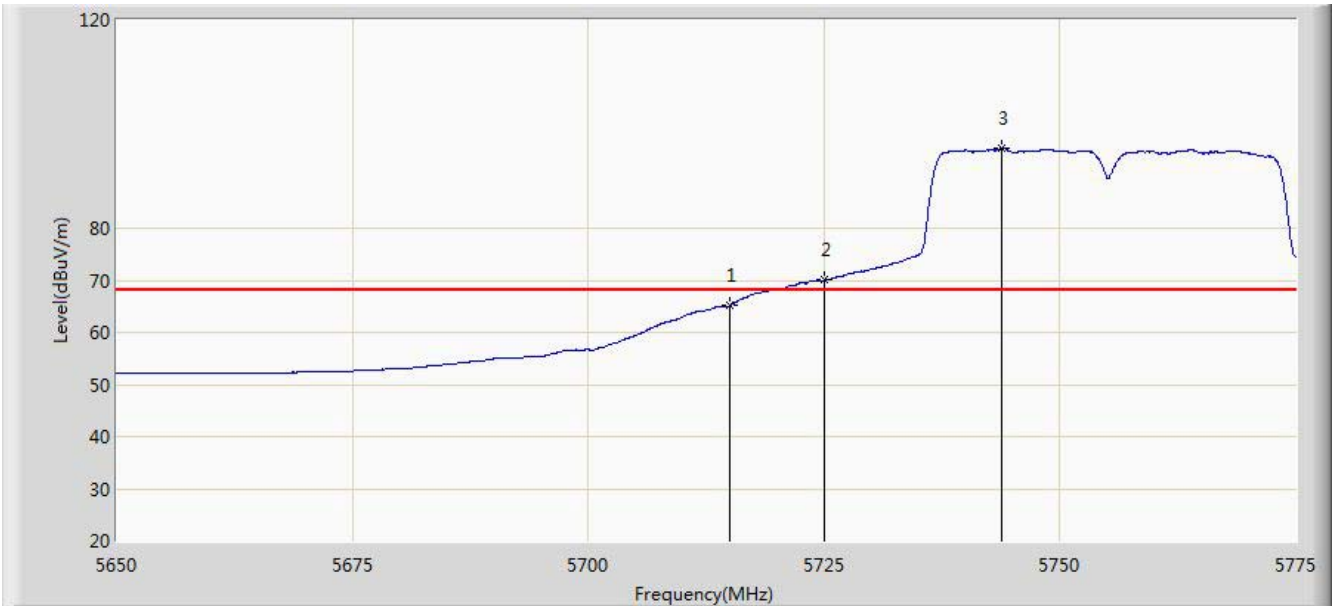


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.875	86.660	49.397	-1.540	88.200	37.263	PK
2			5715.000	84.317	47.050	-3.883	88.200	37.267	PK
3			5725.000	89.238	51.933	-8.962	98.200	37.305	PK
4		*	5748.562	114.889	77.490	N/A	N/A	37.398	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:28
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11n-HT40 Ant 0+1	

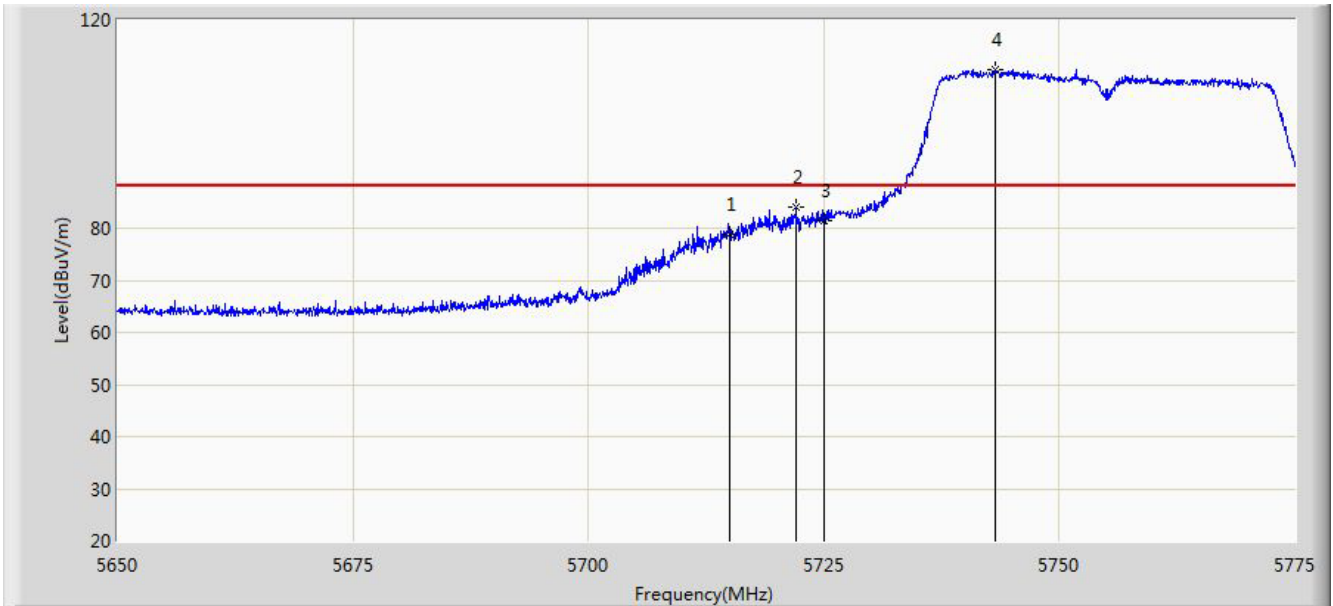


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	65.112	27.845	-3.088	68.200	37.267	AV
2			5725.000	70.006	32.701	-8.194	78.200	37.305	AV
3		*	5743.812	95.335	57.956	N/A	N/A	37.379	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:29
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11n-HT40 Ant 0+1	

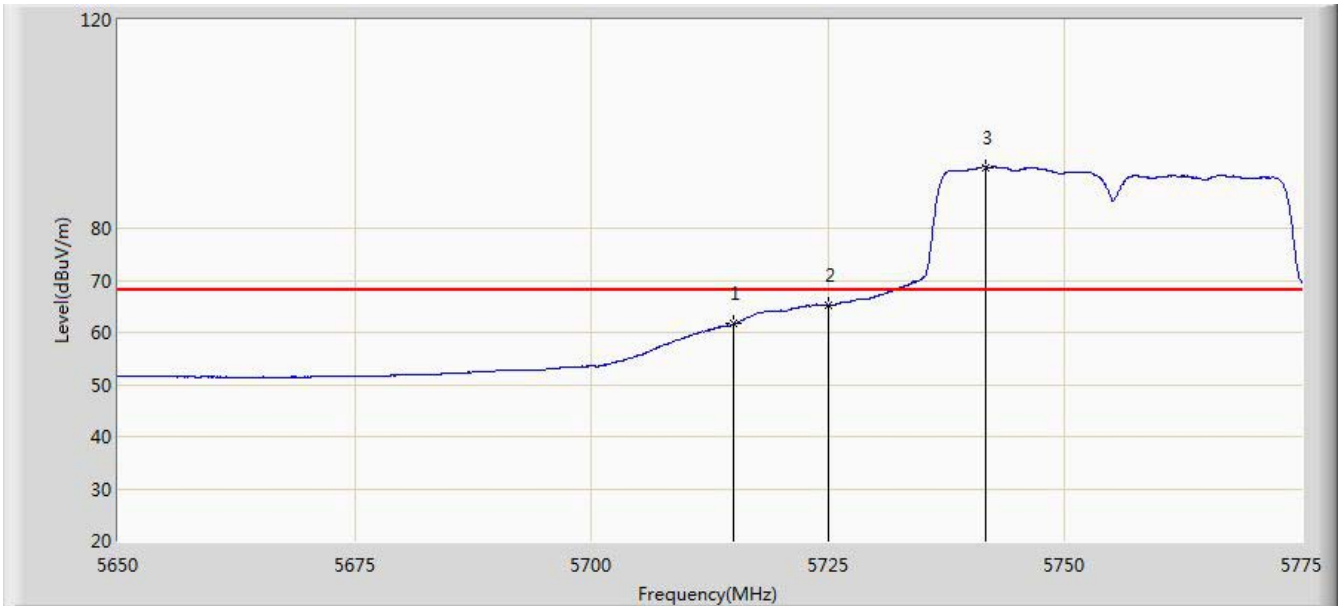


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	78.756	41.489	-9.444	88.200	37.267	PK
2			5722.062	83.935	46.641	-4.265	88.200	37.294	PK
3			5725.000	81.573	44.268	-16.627	98.200	37.305	PK
4		*	5743.250	110.561	73.184	N/A	N/A	37.377	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:31
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11n-HT40 Ant 0+1	

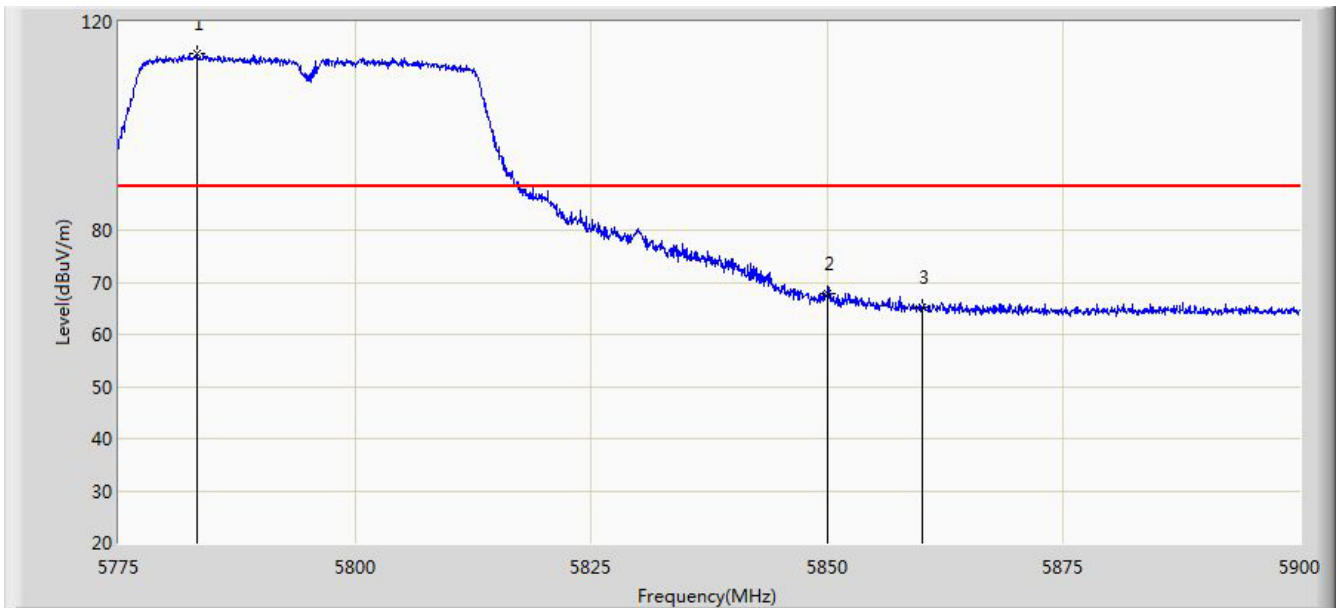


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	61.627	24.360	-6.573	68.200	37.267	AV
2			5725.000	65.213	27.908	-12.987	78.200	37.305	AV
3		*	5741.687	91.728	54.357	N/A	N/A	37.372	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:33
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11n-HT40 Ant 0+1	

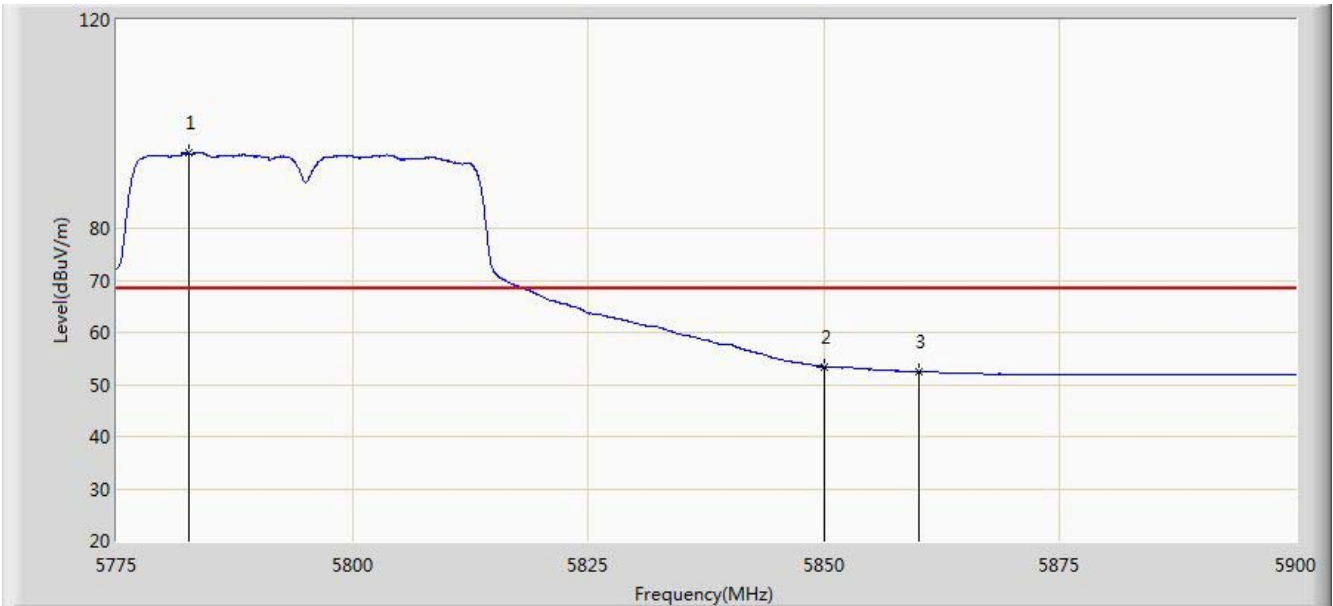


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5783.375	113.877	76.347	N/A	N/A	37.530	PK
2			5850.000	67.731	29.995	-30.569	88.200	37.736	PK
3			5860.000	65.096	27.322	-23.204	88.200	37.774	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:36
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11n-HT40 Ant 0+1	



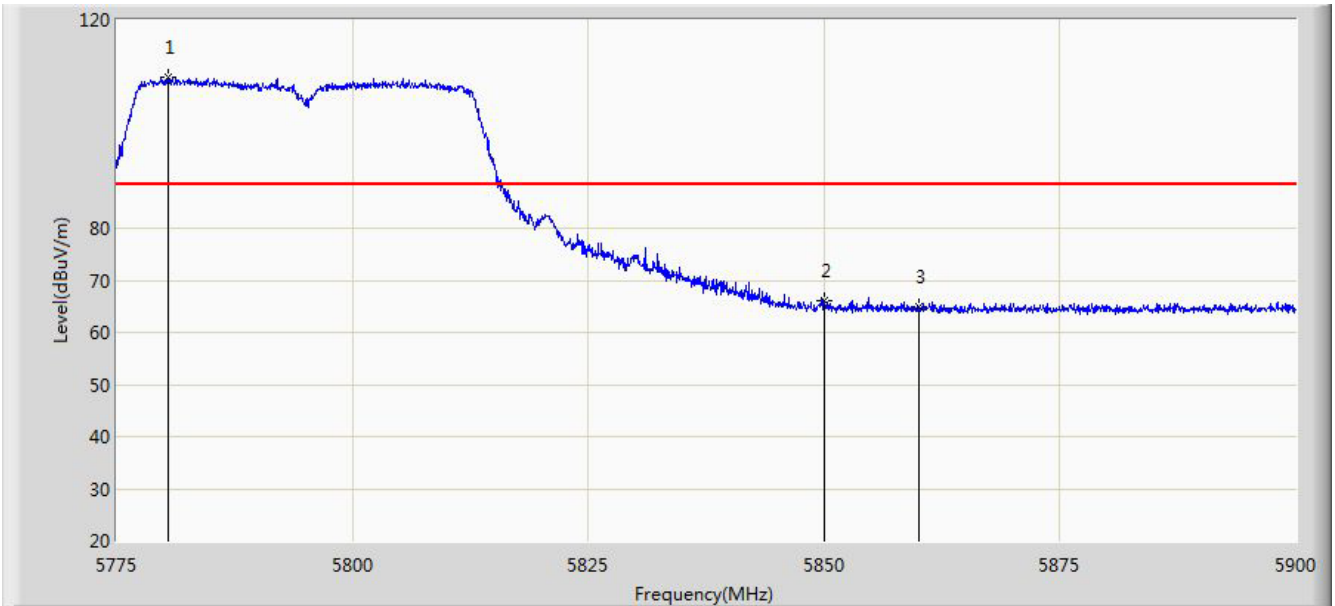
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.687	94.391	56.864	N/A	N/A	37.527	AV
2			5850.000	53.448	15.712	-24.852	78.200	37.736	AV
3			5860.000	52.456	14.682	-15.844	68.200	37.774	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: AC1	Time: 2014/10/28 - 14:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11n-HT40 Ant 0+1	

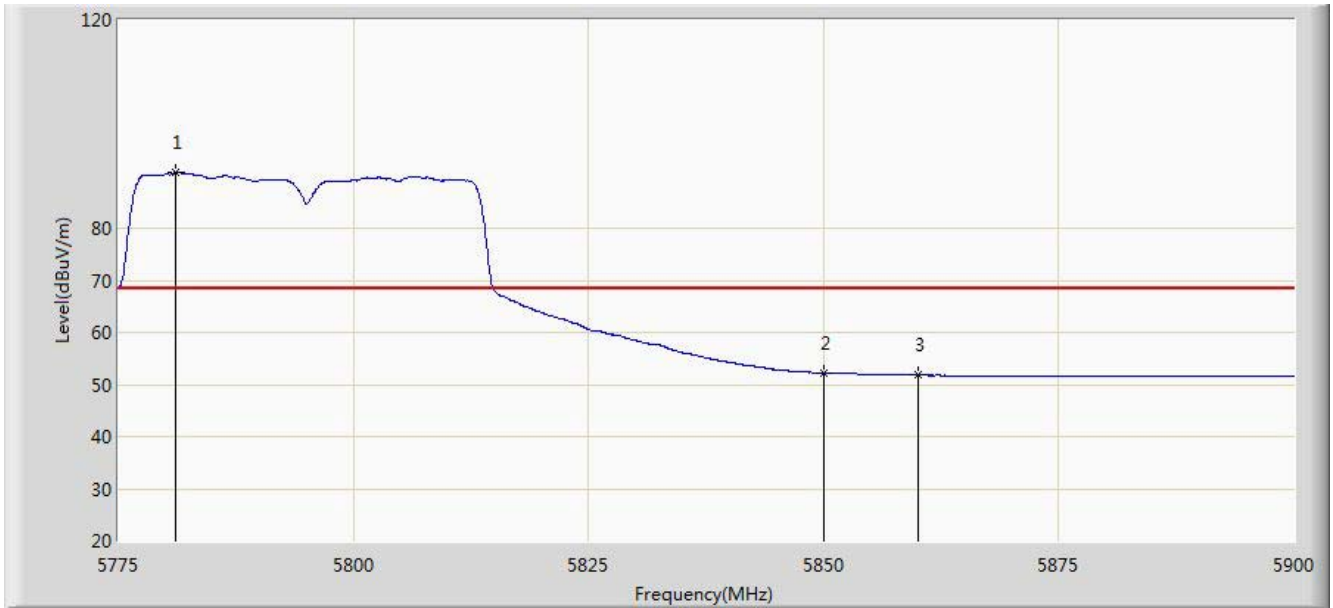


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5780.500	108.873	71.355	N/A	N/A	37.518	PK
2			5850.000	66.019	28.283	-32.281	98.200	37.736	PK
3			5860.000	64.937	27.163	-23.363	88.200	37.774	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:39
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11n-HT40 Ant 0+1	

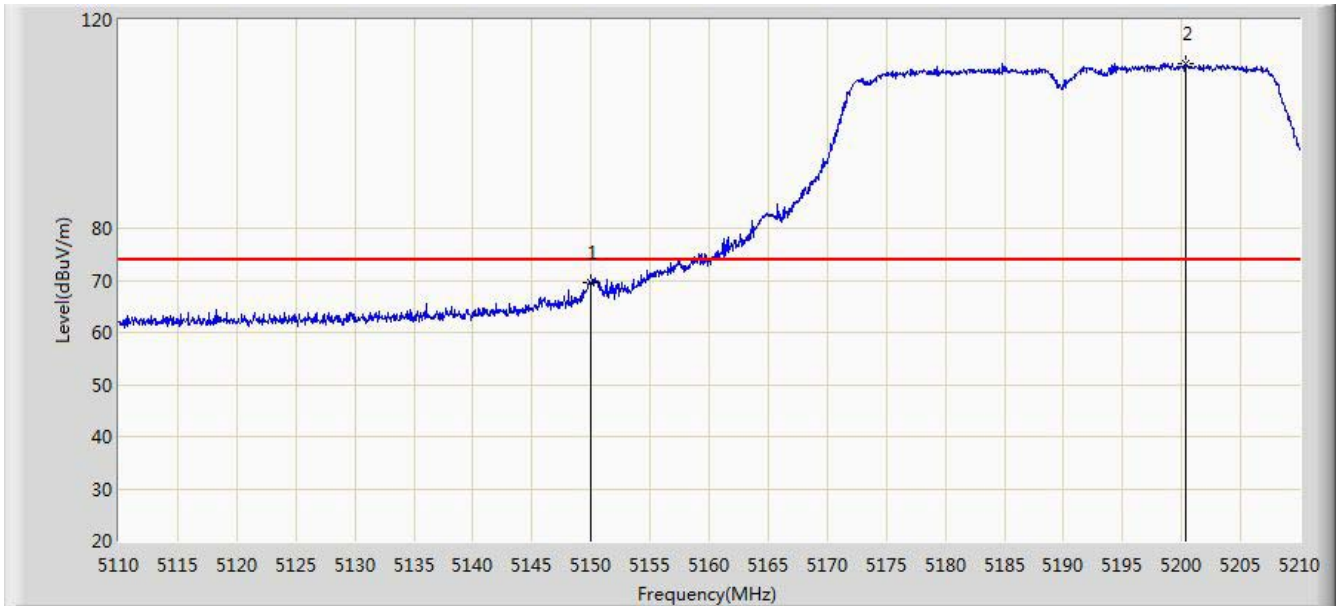


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5781.125	90.667	53.146	N/A	N/A	37.521	AV
2			5850.000	52.180	14.444	-26.120	78.200	37.736	AV
3			5860.000	51.783	14.009	-16.517	68.200	37.774	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5190MHz by 802.11n-VHT40 Ant 0+1	

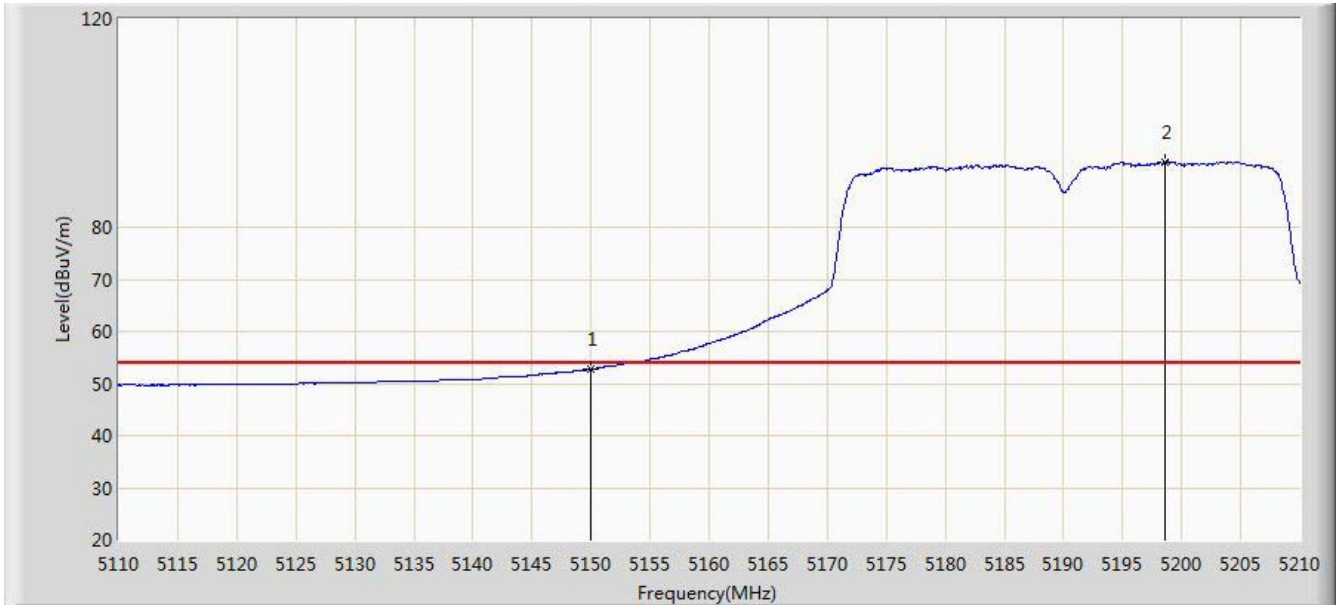


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	69.542	32.790	-4.458	74.000	36.752	PK
2		*	5200.300	111.623	75.011	N/A	N/A	36.613	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5190MHz by 802.11n-VHT40 Ant 0+1	

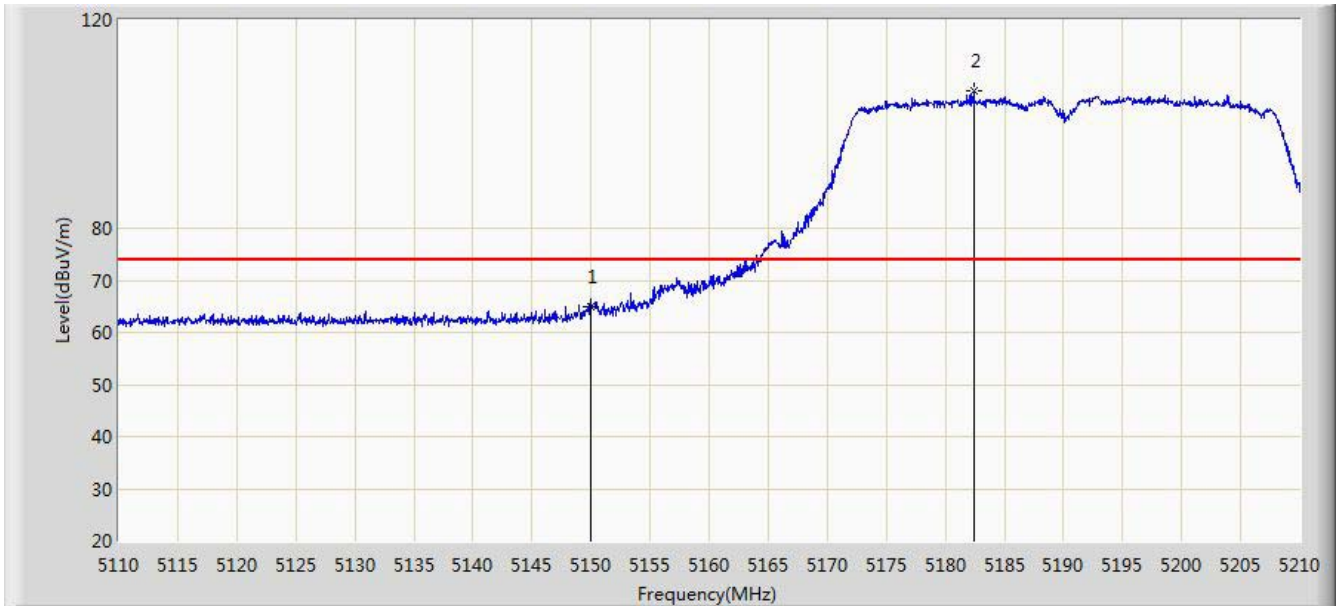


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.749	15.997	-1.251	54.000	36.752	AV
2		*	5198.600	92.519	55.903	N/A	N/A	36.616	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5190MHz by 802.11n-VHT40 Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	65.037	28.285	-8.963	74.000	36.752	PK
2		*	5182.400	106.328	69.670	N/A	N/A	36.658	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5190MHz by 802.11n-VHT40 Ant 0+1	

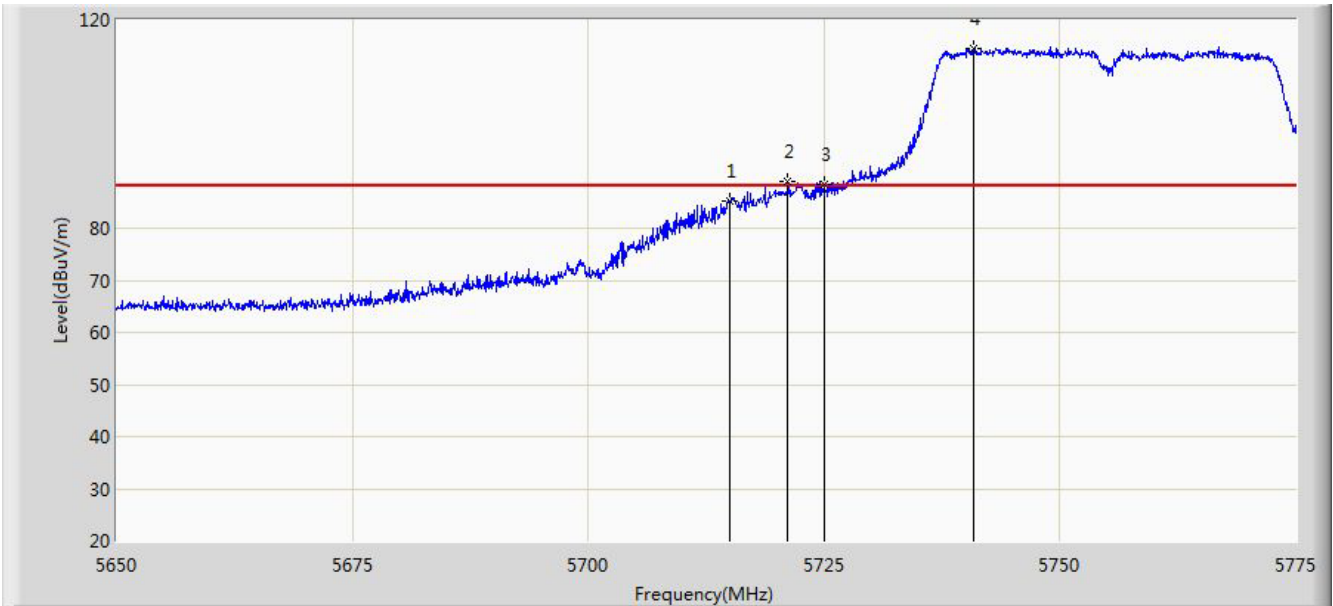


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.830	14.078	-3.170	54.000	36.752	AV
2		*	5185.250	86.952	50.302	N/A	N/A	36.650	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:47
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11n-VHT40 Ant 0+1	

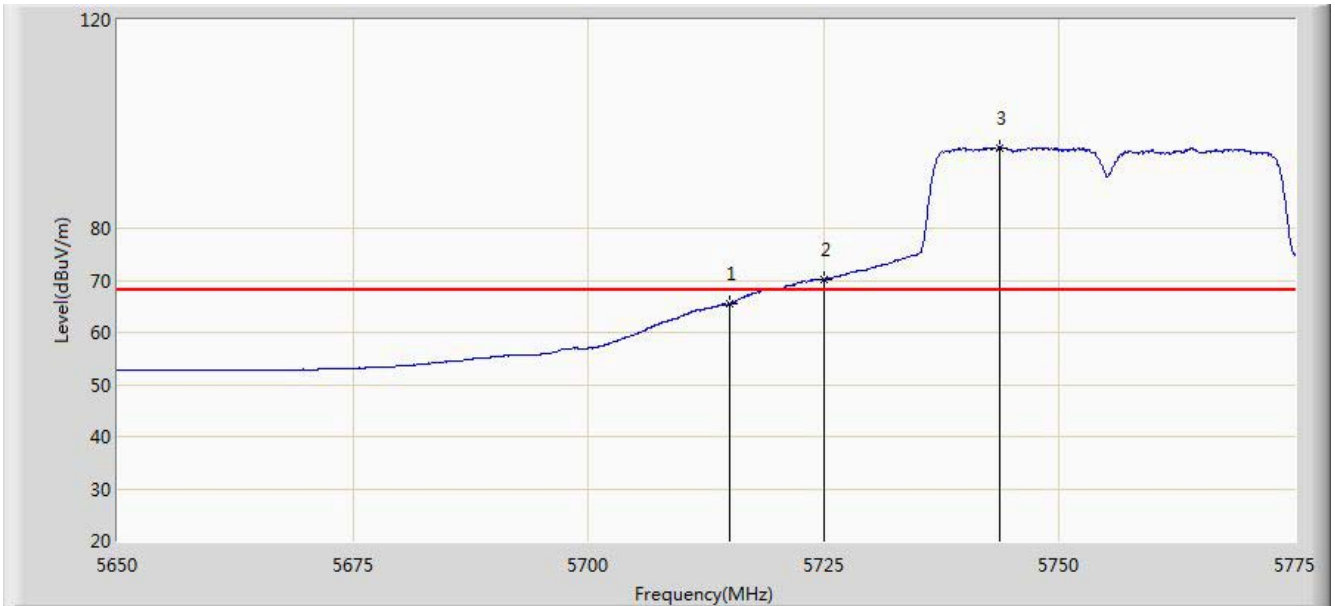


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	85.353	48.086	-2.847	88.200	37.267	PK
2			5721.125	88.912	51.622	-9.288	98.200	37.290	PK
3			5725.000	88.280	50.975	-9.920	98.200	37.305	PK
4		*	5740.812	114.597	77.229	N/A	N/A	37.368	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:49
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11n-VHT40 Ant 0+1	



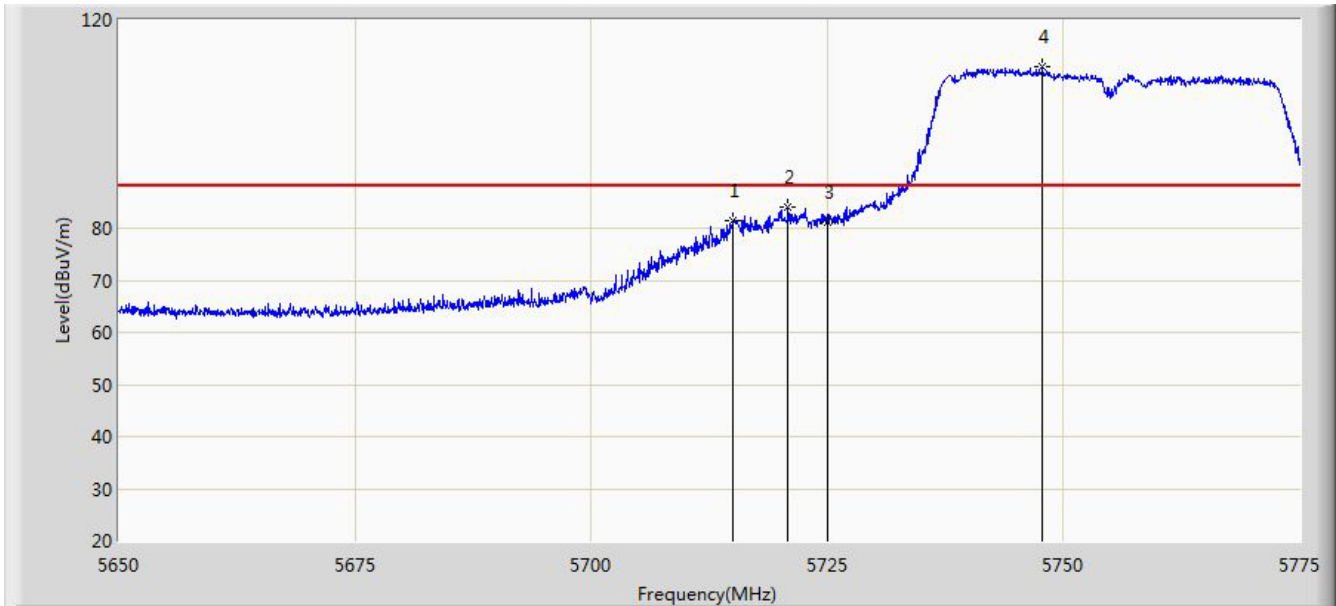
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	65.435	28.168	-2.765	68.200	37.267	AV
2			5725.000	70.038	32.733	-8.162	78.200	37.305	AV
3		*	5743.625	95.505	58.126	N/A	N/A	37.378	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: AC1	Time: 2014/10/28 - 14:52
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11n-VHT40 Ant 0+1	

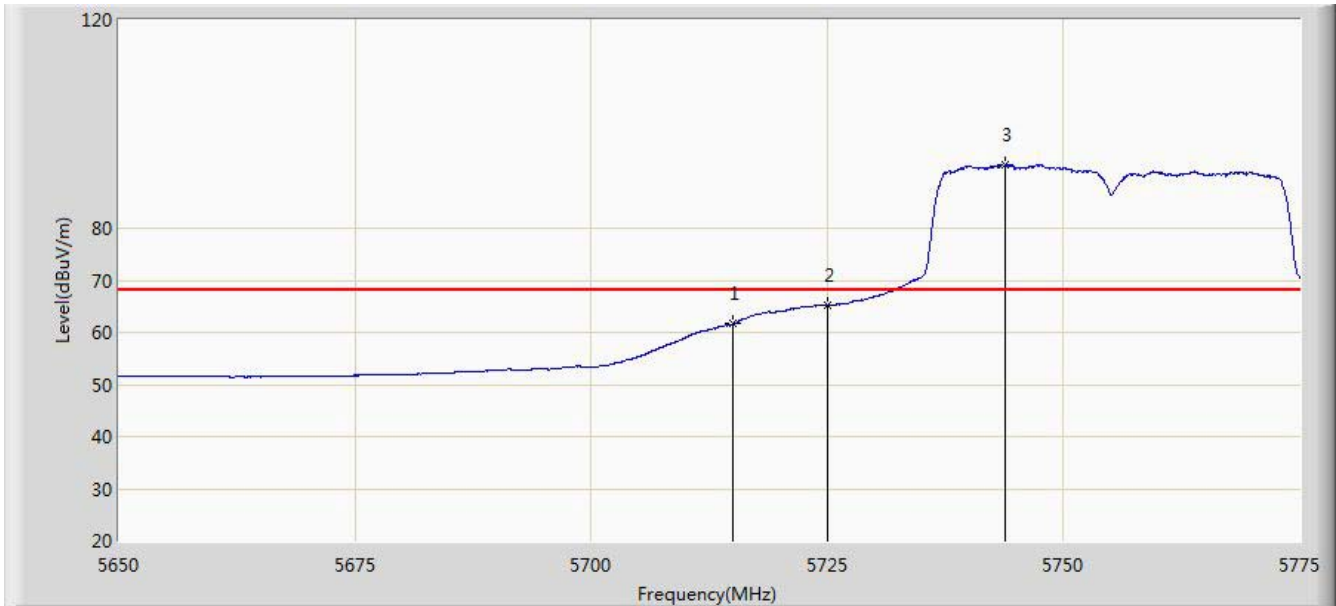


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	81.333	44.066	-6.867	88.200	37.267	PK
2			5720.875	84.075	46.786	-14.125	98.200	37.289	PK
3			5725.000	81.287	43.982	-16.913	98.200	37.305	PK
4		*	5747.812	111.106	73.710	N/A	N/A	37.396	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:53
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11n-VHT40 Ant 0+1	

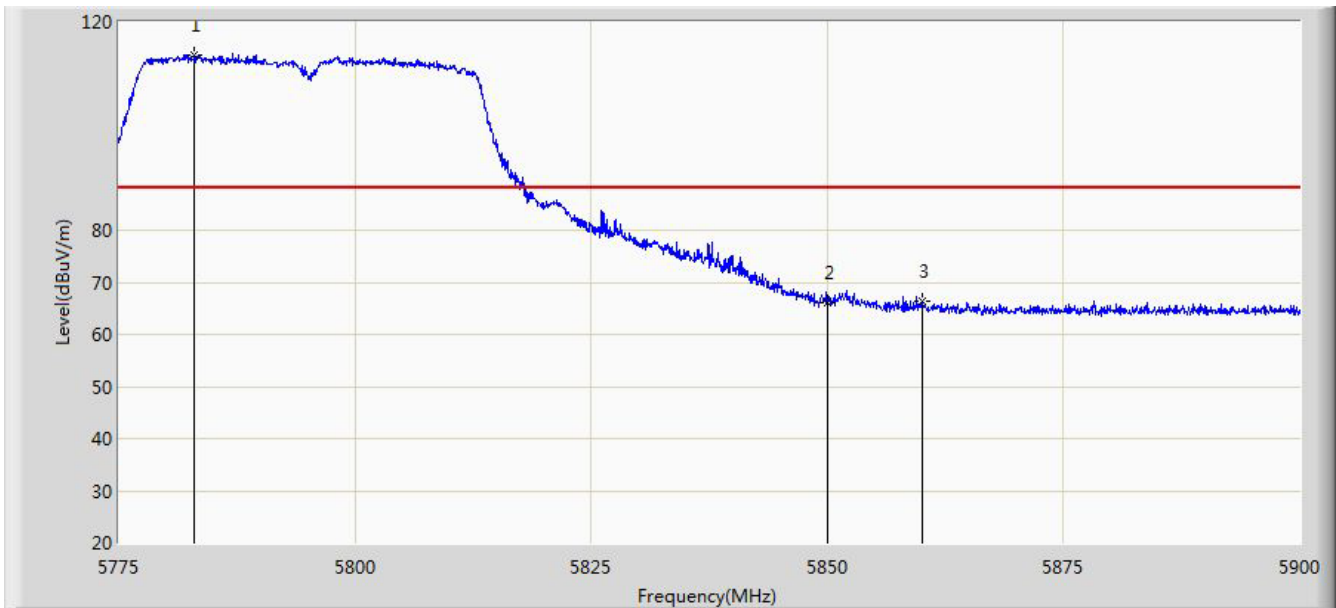


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	61.625	24.358	-6.575	68.200	37.267	AV
2			5725.000	65.097	27.792	-13.103	78.200	37.305	AV
3		*	5743.812	92.073	54.694	N/A	N/A	37.379	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:56
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11n-VHT40 Ant 0+1	

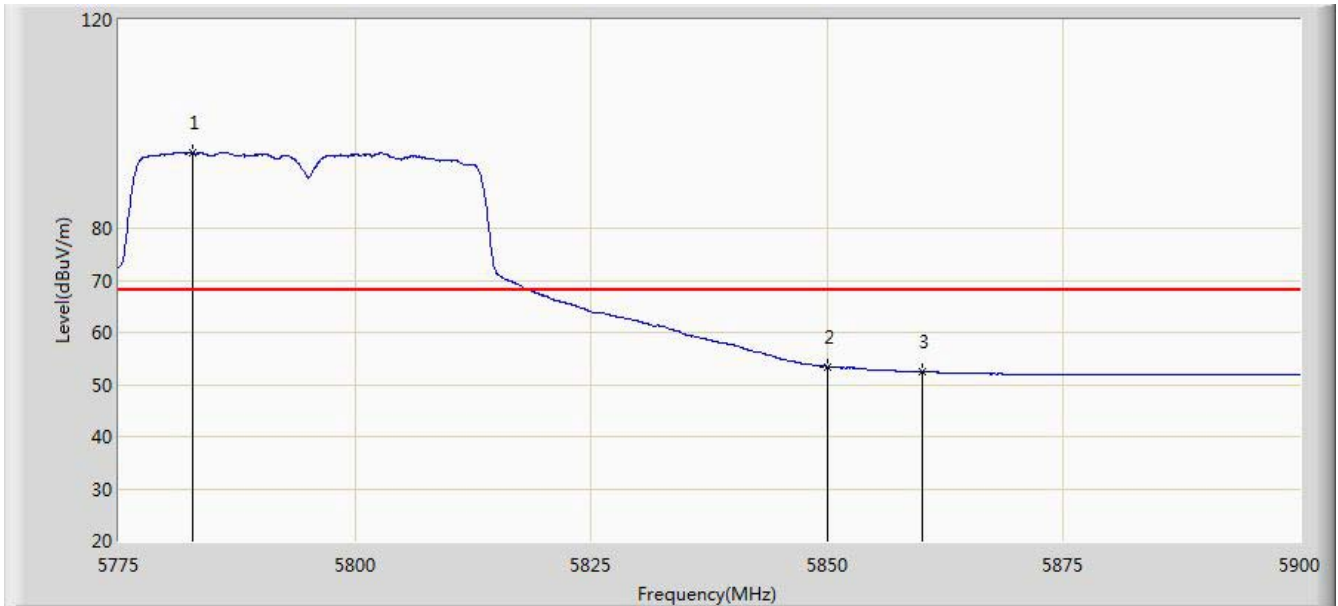


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5783.062	113.700	76.171	N/A	N/A	37.528	PK
2			5850.000	65.960	28.224	-32.240	98.200	37.736	PK
3			5860.000	66.269	28.495	-21.931	88.200	37.774	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:56
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11n-VHT40 Ant 0+1	

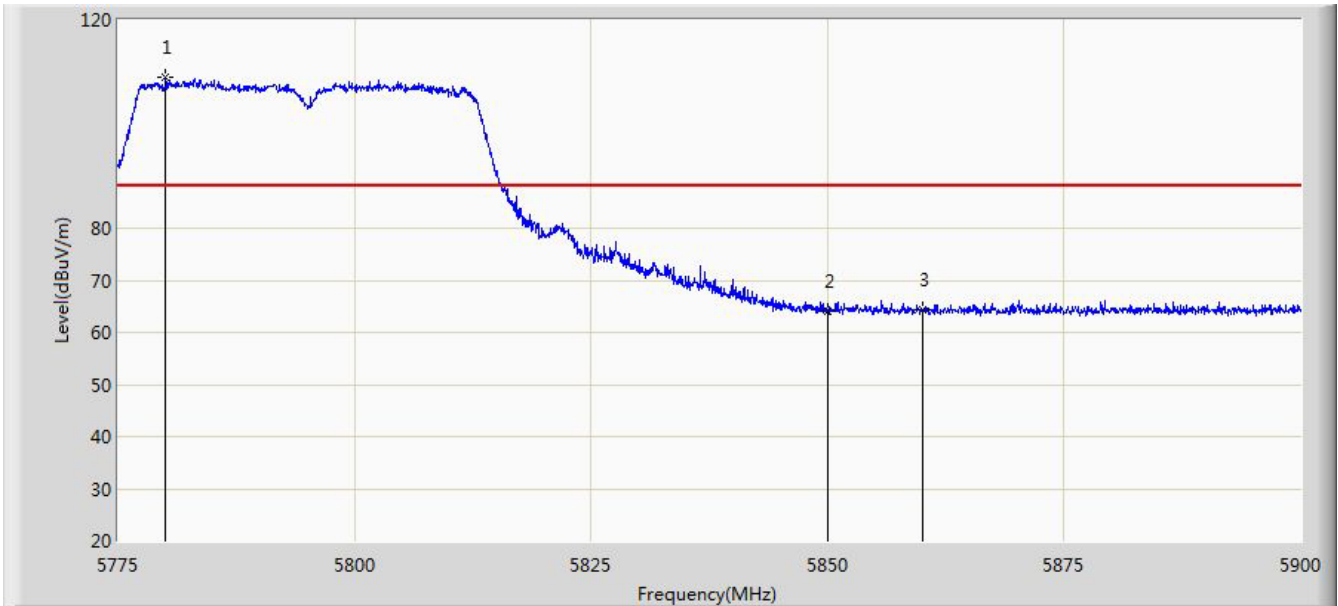


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.875	94.420	56.892	N/A	N/A	37.528	AV
2			5850.000	53.449	15.713	-24.751	78.200	37.736	AV
3			5860.000	52.489	14.715	-15.711	68.200	37.774	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:57
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11n-VHT40 Ant 0+1	

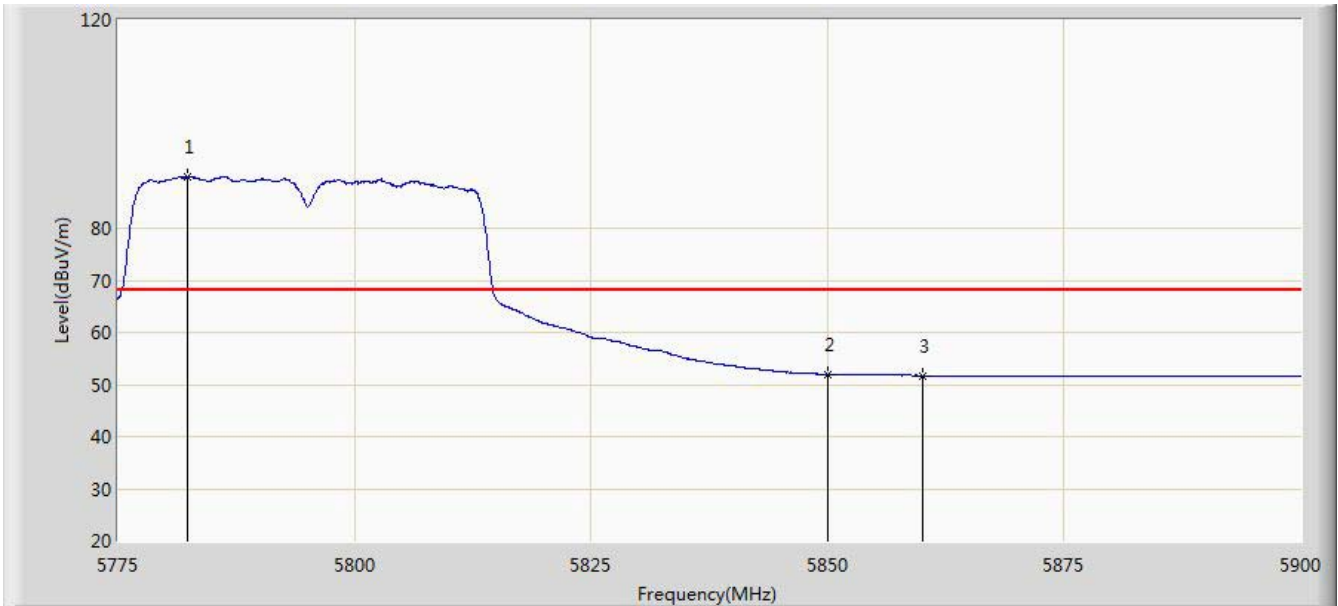


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5780.062	108.873	71.356	N/A	N/A	37.517	PK
2			5850.000	64.057	26.321	-34.143	98.200	37.736	PK
3			5860.000	64.213	26.439	-23.987	88.200	37.774	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 14:58
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11n-VHT40 Ant 0+1	

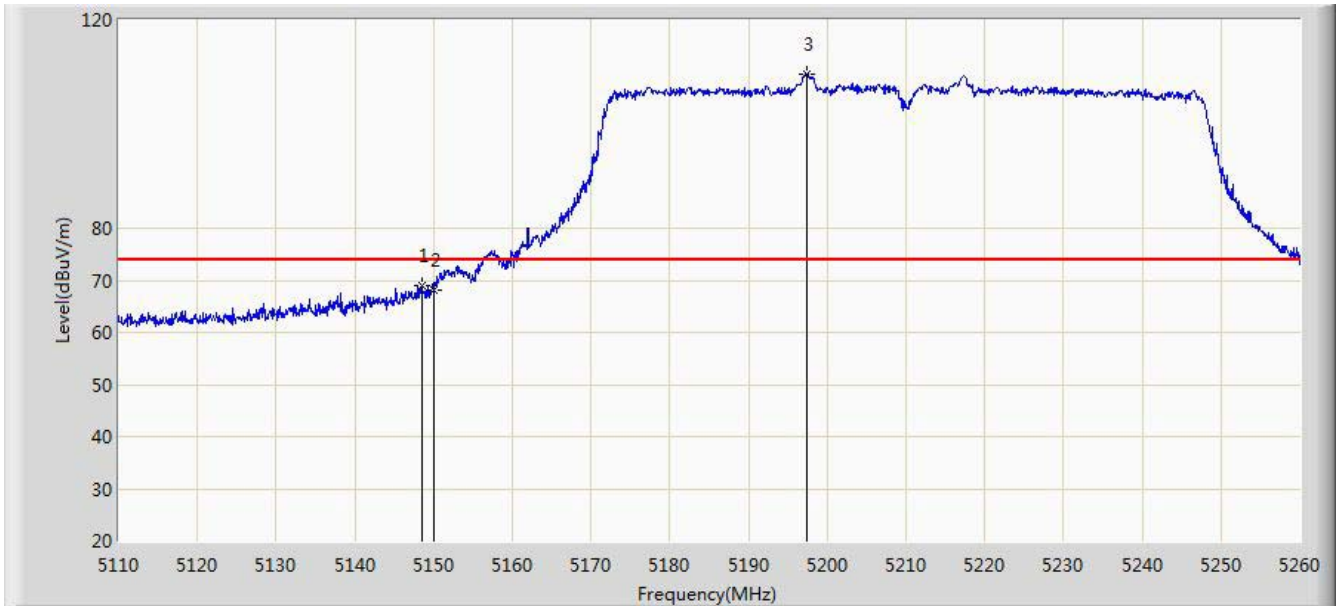


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.312	89.817	52.291	N/A	N/A	37.525	AV
2			5850.000	51.968	14.232	-26.232	78.200	37.736	AV
3			5860.000	51.716	13.942	-16.484	68.200	37.774	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 15:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5210MHz by 802.11n-VHT80 Ant 0+1	

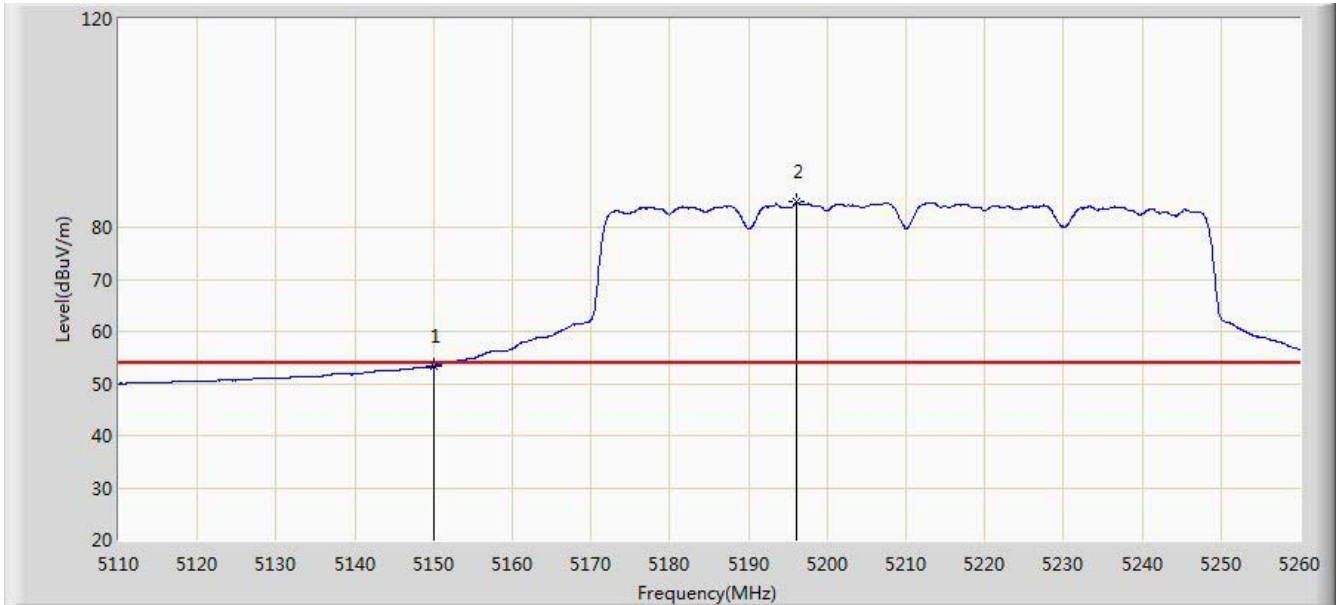


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.550	68.977	32.223	-5.023	74.000	36.754	PK
2			5150.000	68.015	31.263	-5.985	74.000	36.752	PK
3		*	5197.375	109.702	73.083	N/A	N/A	36.619	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 15:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5210MHz by 802.11n-VHT80 Ant 0+1	



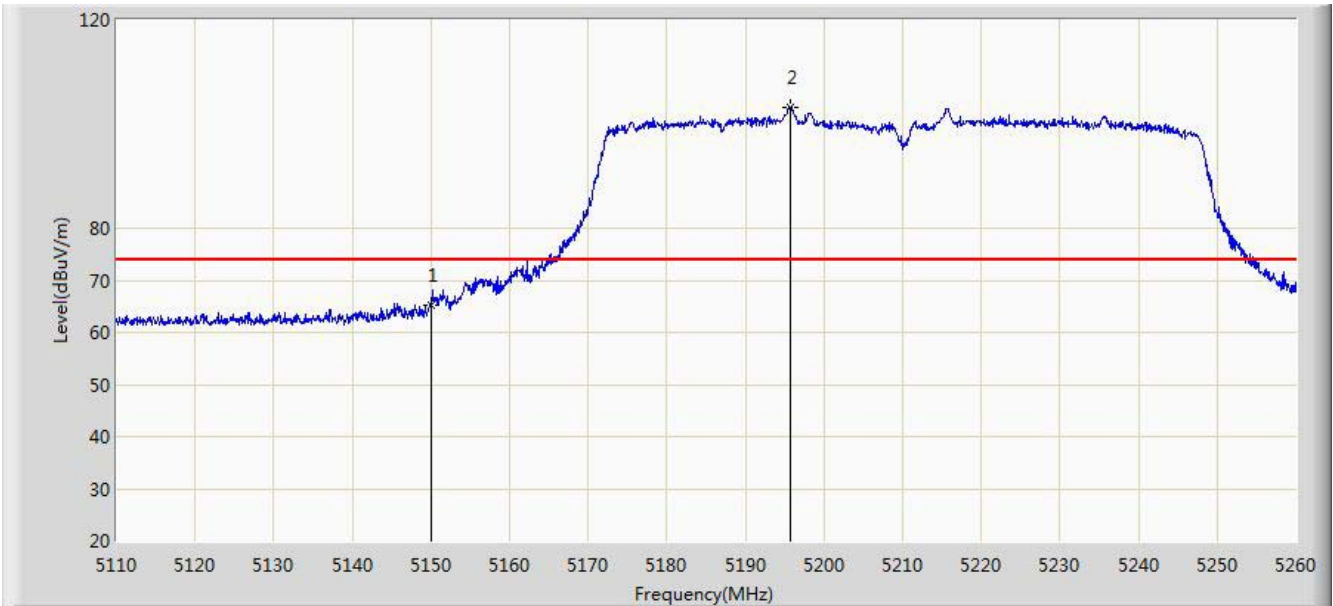
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.309	16.557	-0.691	54.000	36.752	AV
2		*	5196.100	84.796	48.174	N/A	N/A	36.622	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: AC1	Time: 2014/10/28 - 15:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5210MHz by 802.11n-VHT80 Ant 0+1	

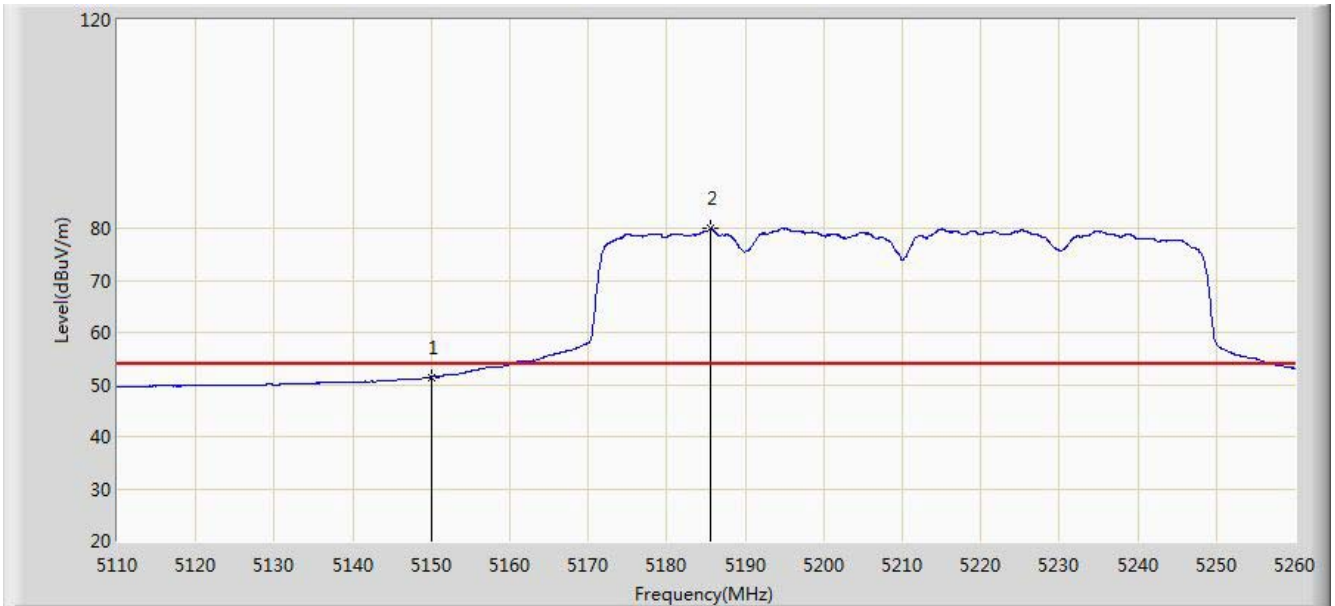


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	65.106	28.354	-8.894	74.000	36.752	PK
2		*	5195.800	103.231	66.608	N/A	N/A	36.623	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 15:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5210MHz by 802.11n-VHT80 Ant 0+1	

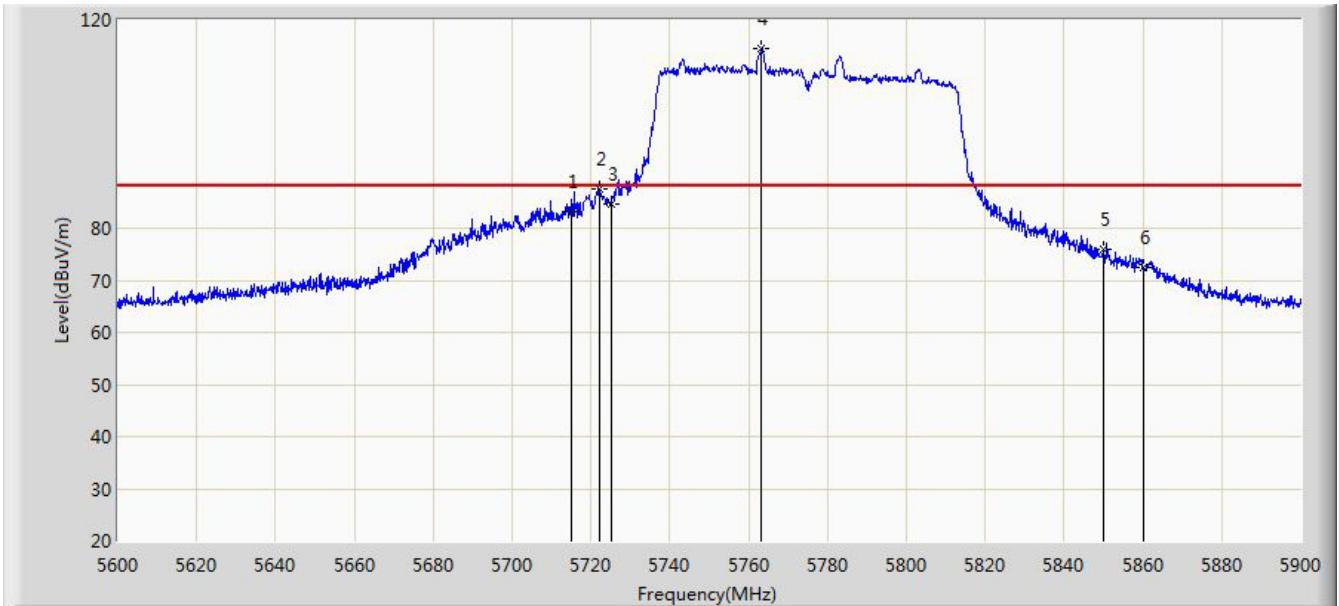


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.448	14.696	-2.552	54.000	36.752	AV
2		*	5185.600	79.872	43.223	N/A	N/A	36.650	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 15:45
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5775MHz by 802.11n-VHT80 Ant 0+1	

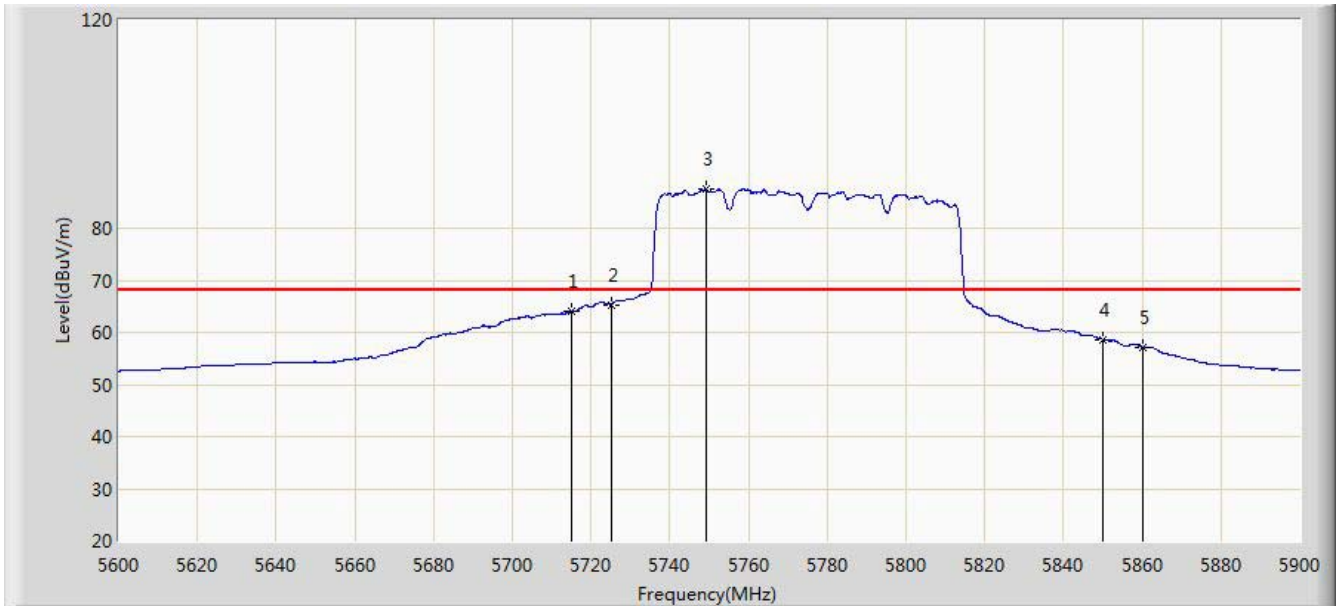


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	83.260	45.993	-4.940	88.200	37.267	PK
2			5722.100	87.612	50.318	-10.588	98.200	37.294	PK
3			5725.000	84.691	47.386	-13.509	98.200	37.305	PK
4		*	5763.200	114.422	76.968	N/A	N/A	37.454	PK
5			5850.000	75.868	38.132	-22.332	98.200	37.736	PK
6			5860.000	72.392	34.618	-15.808	88.200	37.774	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 15:47
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5775MHz by 802.11n-VHT80 Ant 0+1 Power=10	

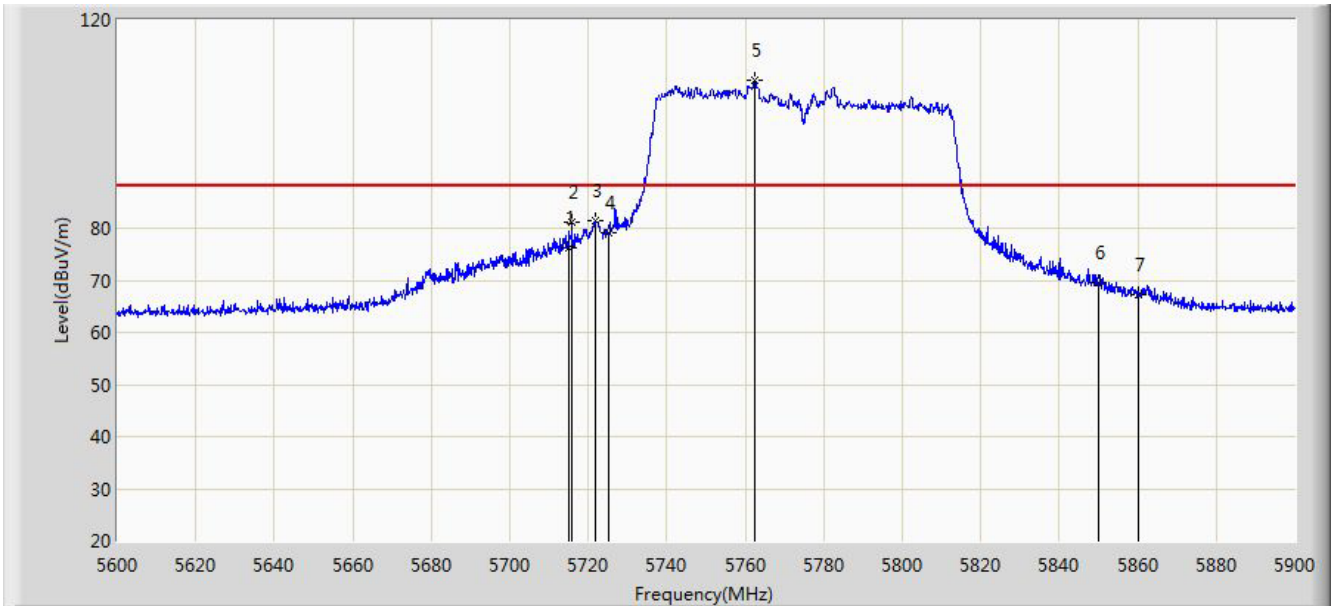


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.014	26.747	-4.186	68.200	37.267	AV
2			5725.000	65.358	28.053	-12.842	78.200	37.305	AV
3		*	5749.100	87.628	50.227	N/A	N/A	37.401	AV
4			5850.000	58.664	20.928	-19.536	78.200	37.736	AV
5			5860.000	57.078	19.304	-11.122	68.200	37.774	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 15:48
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5775MHz by 802.11n-VHT80 Ant 0+1	

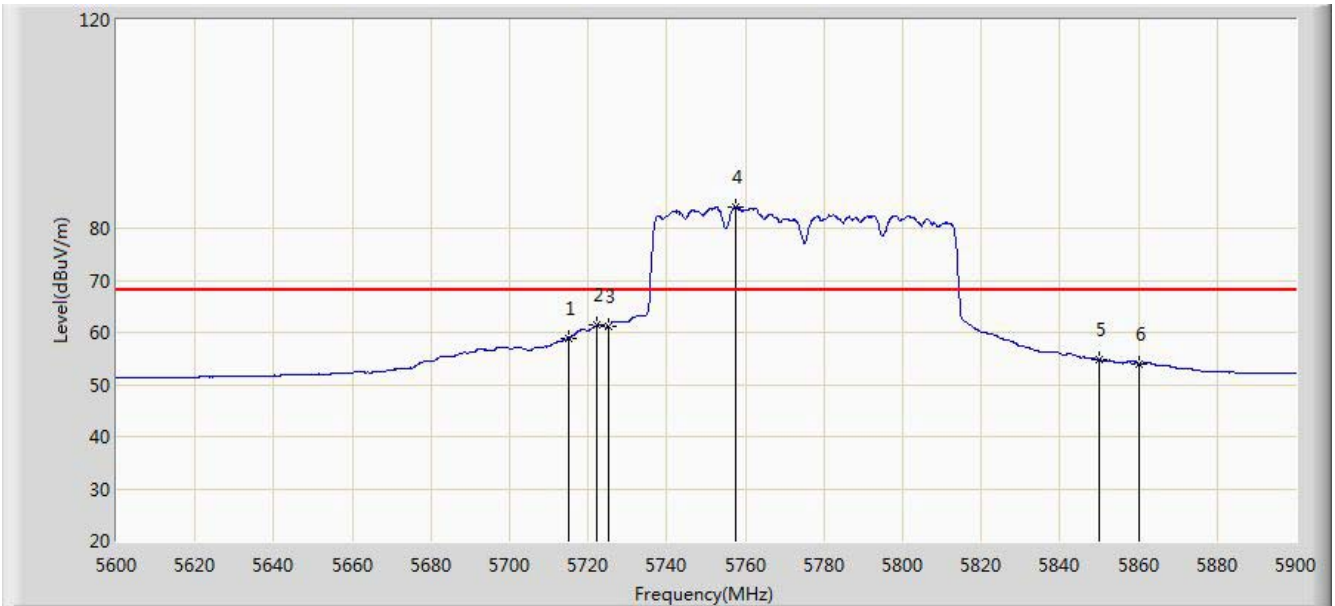


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	76.375	39.108	-11.825	88.200	37.267	PK
2			5715.800	81.254	43.984	-16.946	98.200	37.270	PK
3			5721.800	81.585	44.292	-16.615	98.200	37.293	PK
4			5725.000	79.274	41.969	-18.926	98.200	37.305	PK
5		*	5762.300	108.388	70.938	N/A	N/A	37.450	PK
6			5850.000	69.427	31.691	-28.773	98.200	37.736	PK
7			5860.000	67.116	29.342	-21.084	88.200	37.774	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2014/10/28 - 15:50
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5775MHz by 802.11n-VHT80 Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	58.917	21.650	-9.283	68.200	37.267	AV
2			5722.250	61.466	24.172	-16.734	78.200	37.294	AV
3			5725.000	61.116	23.811	-17.084	78.200	37.305	AV
4		*	5757.500	84.165	46.731	N/A	N/A	37.434	AV
5			5850.000	54.795	17.059	-23.405	78.200	37.736	AV
6			5860.000	54.035	16.261	-14.165	68.200	37.774	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

## 7.10. AC Conducted Emissions Measurement

### 7.10.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207		
Frequency (MHz)	QP (dB $\mu$ V)	AV (dB $\mu$ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

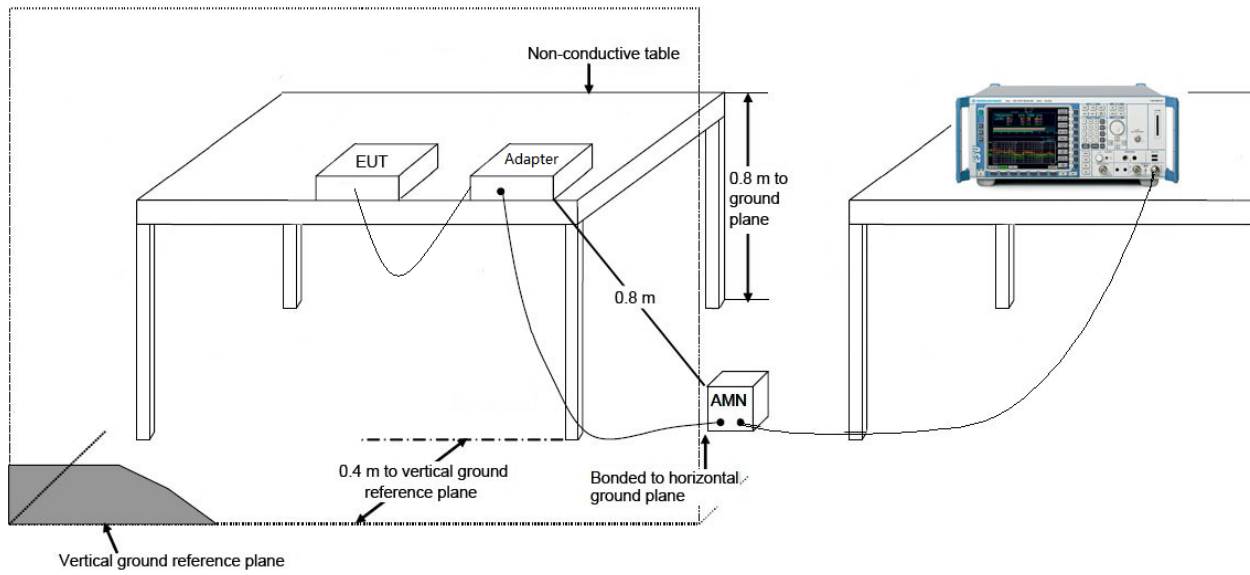
### 7.10.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

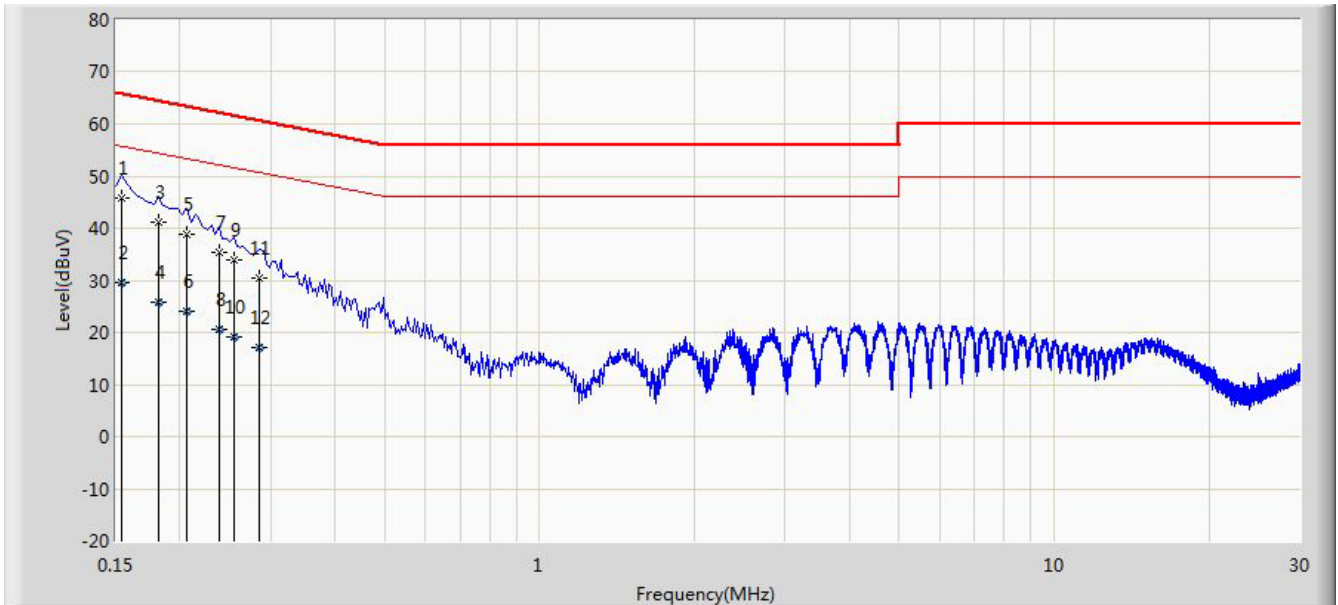
### 7.10.3. Test Setup





**7.10.4. Test Result**

Site: SR2	Time: 2014/11/21 - 18:38
Limit: FCC_Part15.207_CE_AC Power	Engineer: Milo Li
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Note: Mode 1	

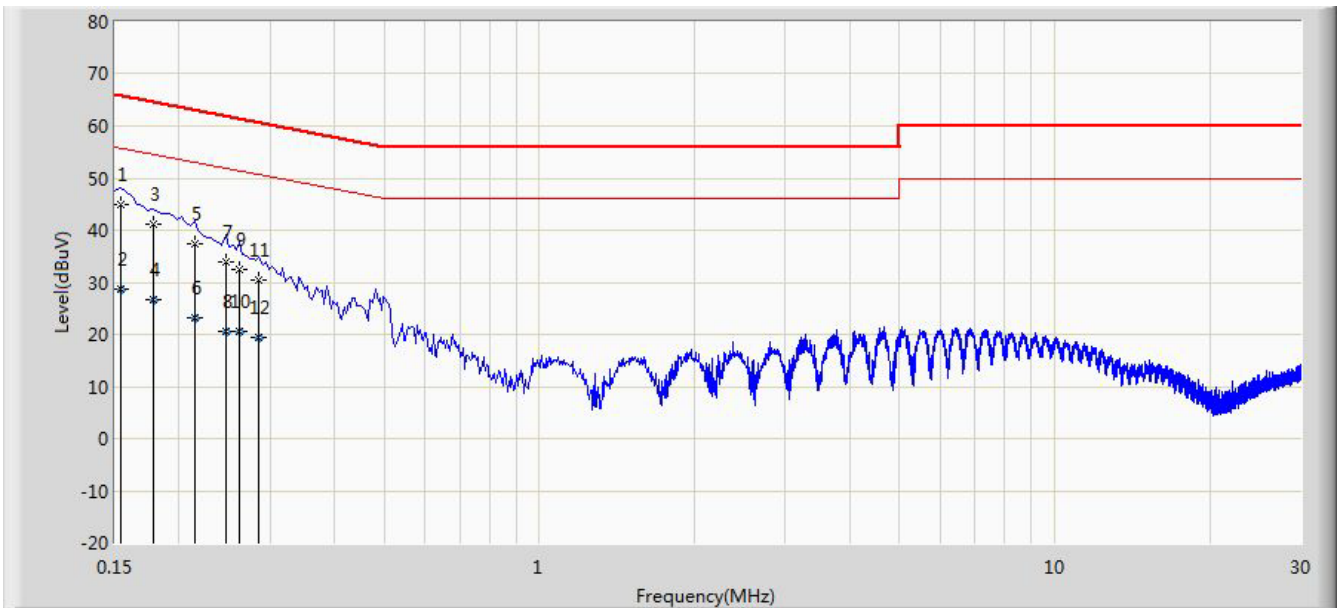


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.154	45.832	35.092	-19.950	65.781	10.740	QP
2			0.154	29.509	18.770	-26.272	55.781	10.740	AV
3			0.182	41.179	31.130	-23.215	64.394	10.048	QP
4			0.182	25.860	15.811	-28.534	54.394	10.048	AV
5			0.206	38.807	28.826	-24.558	63.365	9.981	QP
6			0.206	23.956	13.975	-29.409	53.365	9.981	AV
7			0.238	35.394	25.439	-26.772	62.166	9.954	QP
8			0.238	20.435	10.481	-31.731	52.166	9.954	AV
9			0.254	33.880	23.913	-27.745	61.625	9.967	QP
10			0.254	19.203	9.236	-32.422	51.625	9.967	AV
11			0.286	30.521	20.529	-30.118	60.640	9.993	QP
12			0.286	17.034	7.041	-33.606	50.640	9.993	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: SR2	Time: 2014/11/21 - 18:42
Limit: FCC_Part15.207_CE_AC Power	Engineer: Milo Li
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Note: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.154	45.034	34.318	-20.748	65.781	10.716	QP
2			0.154	28.836	18.120	-26.945	55.781	10.716	AV
3			0.178	41.187	31.137	-23.392	64.578	10.049	QP
4			0.178	26.725	16.675	-27.853	54.578	10.049	AV
5			0.214	37.248	27.260	-25.800	63.049	9.988	QP
6			0.214	23.138	13.150	-29.911	53.049	9.988	AV
7			0.246	33.948	23.950	-27.943	61.891	9.998	QP
8			0.246	20.559	10.561	-31.332	51.891	9.998	AV
9			0.262	32.431	22.421	-28.937	61.368	10.010	QP
10			0.262	20.595	10.585	-30.773	51.368	10.010	AV
11			0.286	30.319	20.291	-30.321	60.640	10.027	QP
12			0.286	19.306	9.279	-31.333	50.640	10.027	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

## 8. CONCLUSION

The data collected relate only the item(s) tested and show that the **2x2 dual band 802.11ac indoor AP FCC ID: SFK-WF180** is in compliance with Part 15E of the FCC Rules.

---

The End