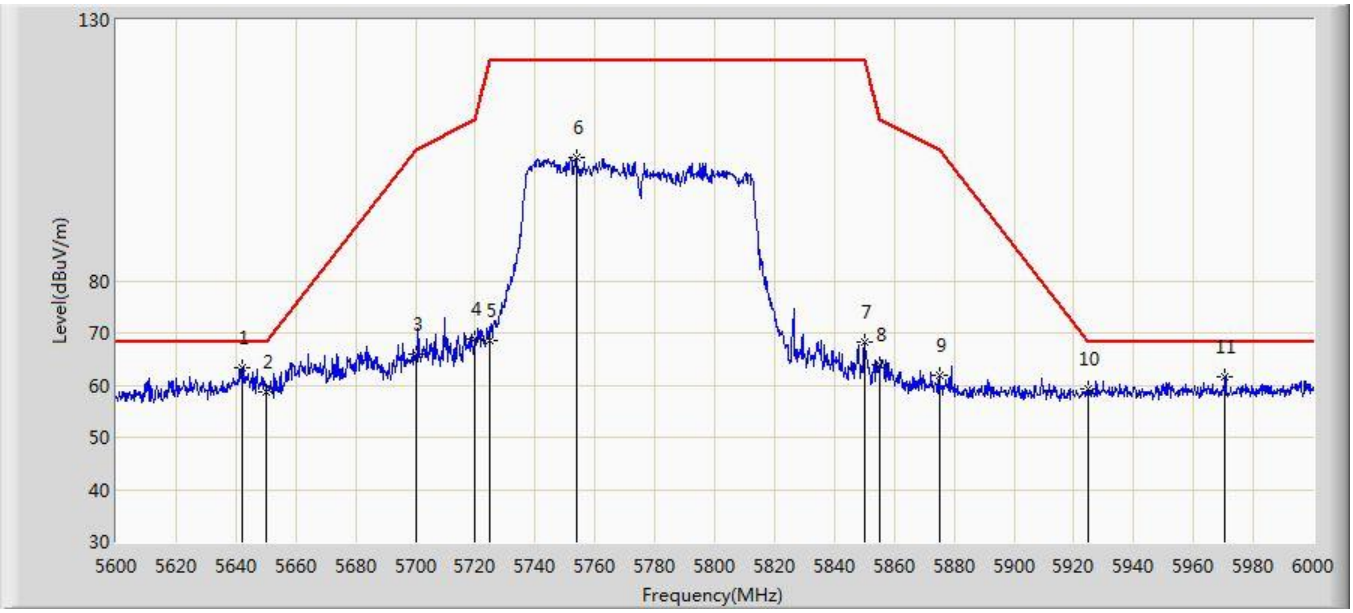
Site: AC1	Time: 2018/09/11 - 08:43
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz(CDD Mode)	

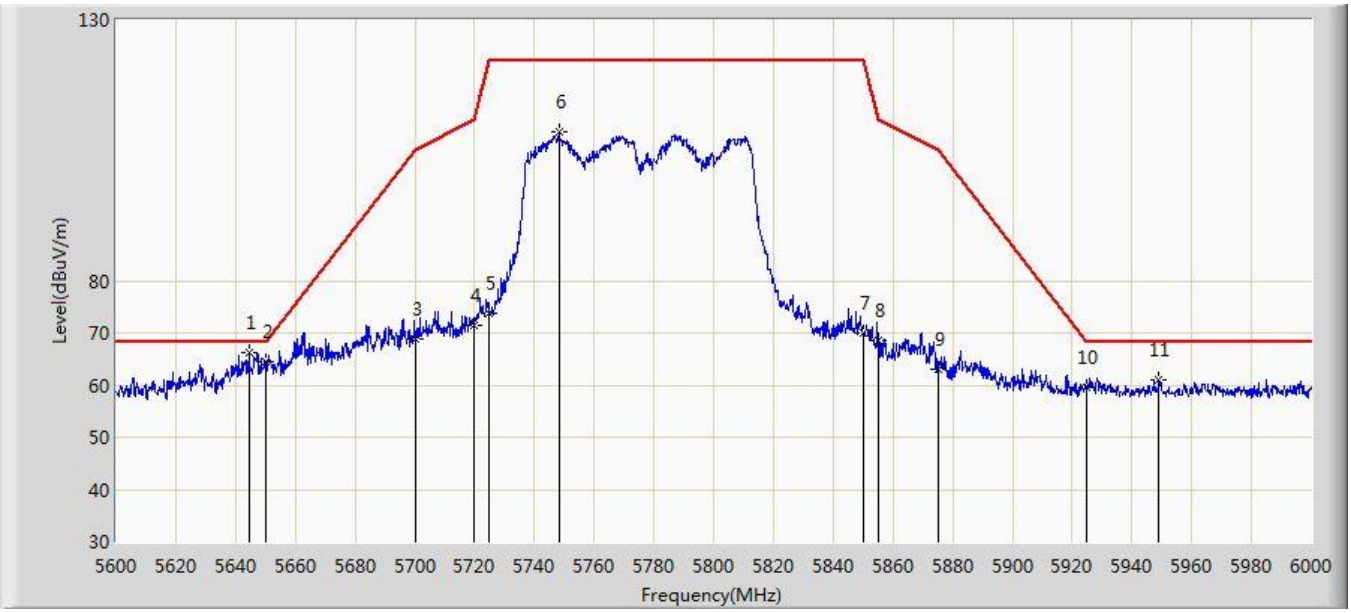


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5642.000	63.450	56.463	-4.750	68.200	6.987	PK
2			5650.000	58.608	51.603	-9.592	68.200	7.005	PK
3			5700.000	65.829	58.664	-39.371	105.200	7.165	PK
4			5720.000	68.839	61.540	-41.961	110.800	7.299	PK
5			5725.000	68.685	61.357	-53.515	122.200	7.328	PK
6			5753.800	103.503	96.092	N/A	N/A	7.411	PK
7			5850.000	68.275	60.502	-53.925	122.200	7.774	PK
8			5855.000	63.807	56.031	-46.993	110.800	7.775	PK
9			5875.000	61.955	54.137	-43.245	105.200	7.818	PK
10			5925.000	59.395	51.576	-8.805	68.200	7.819	PK
11			5970.600	61.665	53.792	-6.535	68.200	7.873	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/11 - 08:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz(CDD Mode)	

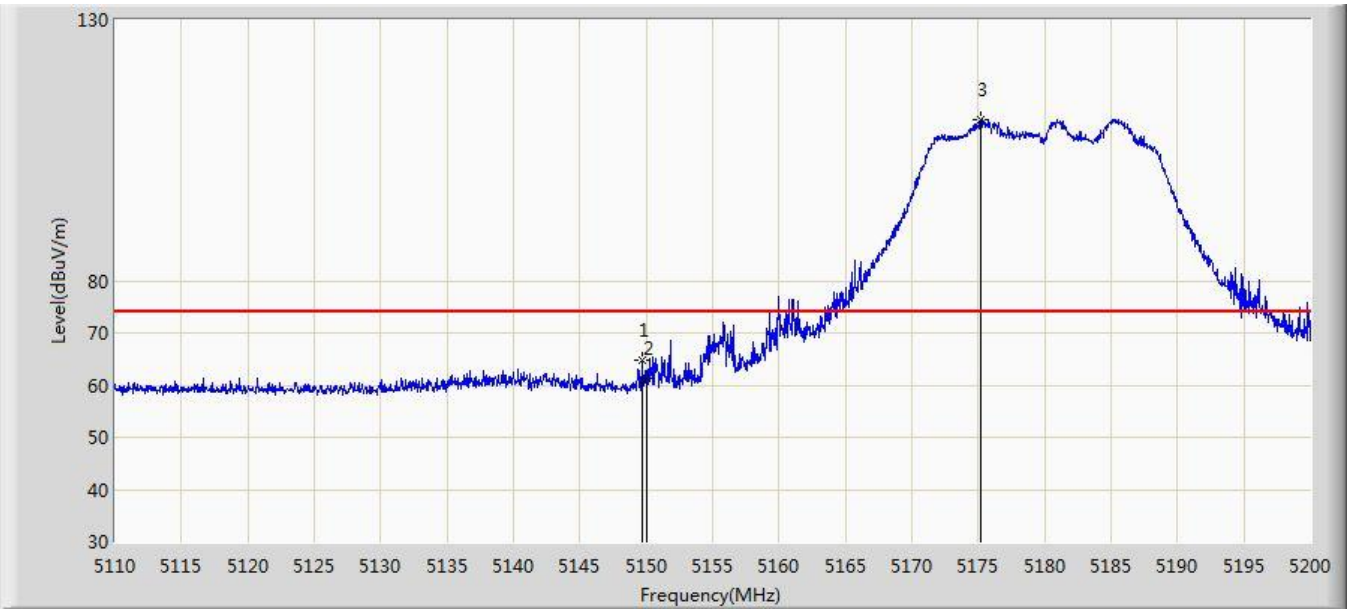


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5644.600	66.206	59.213	-1.994	68.200	6.993	PK
2			5650.000	64.556	57.551	-3.644	68.200	7.005	PK
3			5700.000	68.863	61.698	-36.337	105.200	7.165	PK
4			5720.000	71.540	64.241	-39.260	110.800	7.299	PK
5			5725.000	73.823	66.495	-48.377	122.200	7.328	PK
6			5748.200	108.484	101.077	N/A	N/A	7.407	PK
7			5850.000	69.866	62.093	-52.334	122.200	7.774	PK
8			5855.000	68.645	60.869	-42.155	110.800	7.775	PK
9			5875.000	63.042	55.224	-42.158	105.200	7.818	PK
10			5925.000	59.548	51.729	-8.652	68.200	7.819	PK
11			5949.000	60.972	53.128	-7.228	68.200	7.844	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 05:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz (Beam-Forming Mode)	

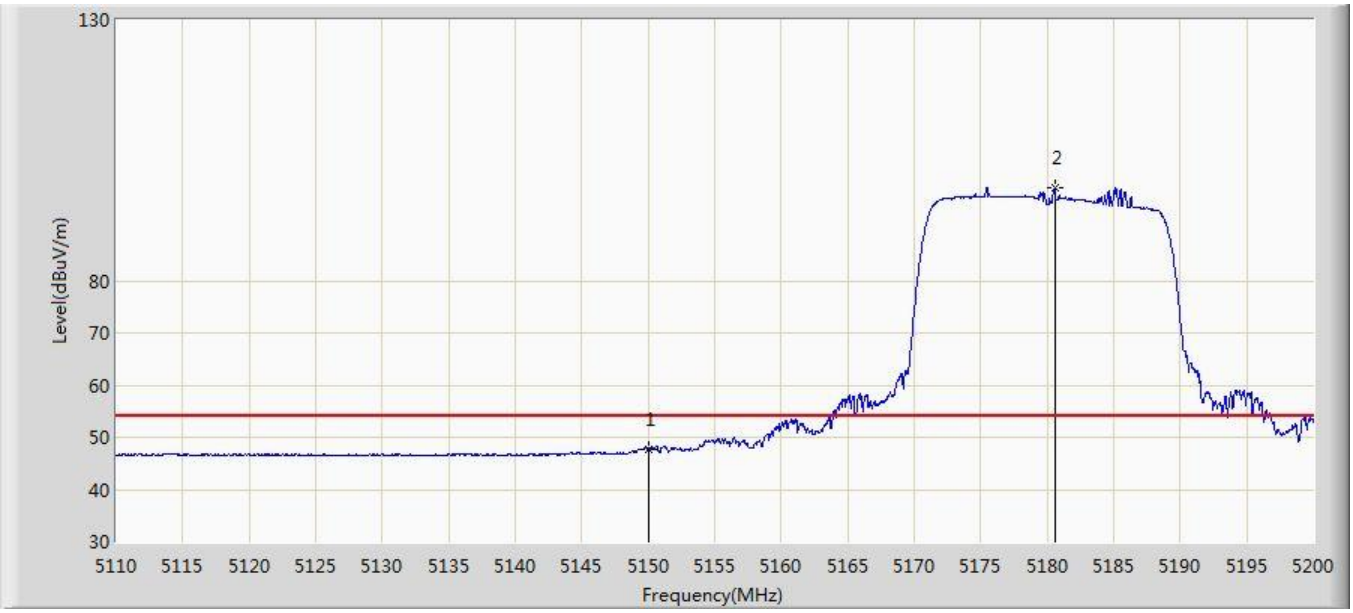


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.690	64.863	58.302	-9.137	74.000	6.561	PK
2			5150.000	61.370	54.808	-12.630	74.000	6.562	PK
3		*	5175.205	110.983	104.501	N/A	N/A	6.483	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 06:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz (Beam-Forming Mode)	

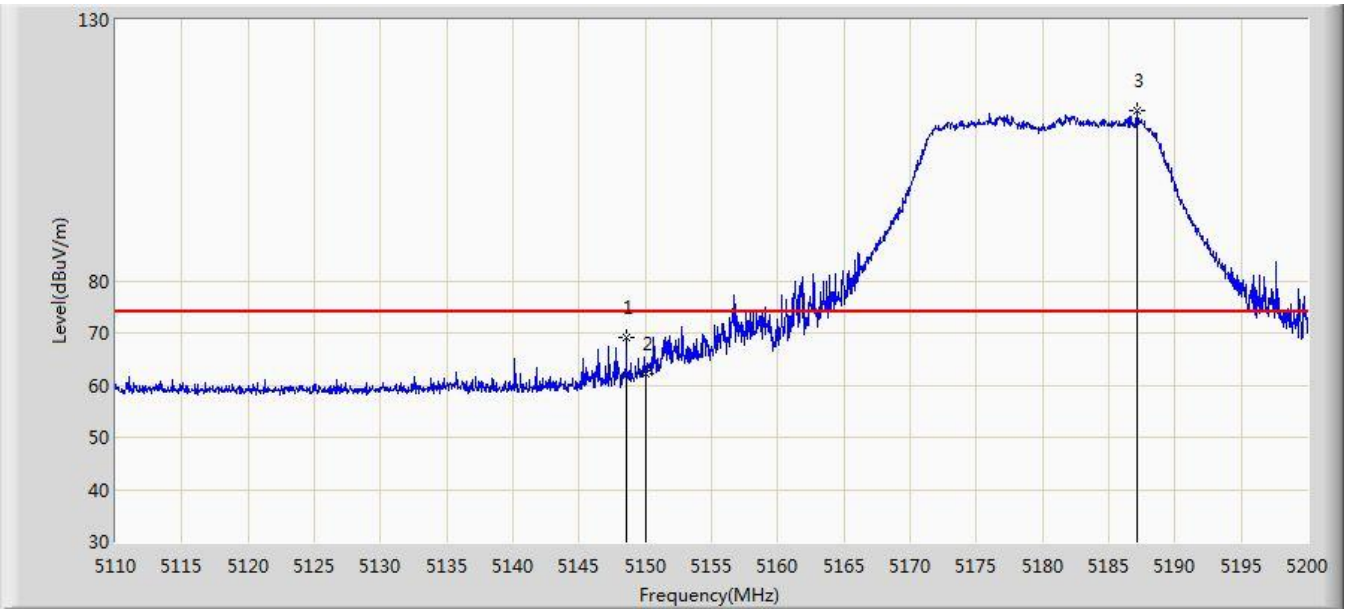


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.799	41.237	-6.201	54.000	6.562	AV
2		*	5180.560	97.904	91.464	N/A	N/A	6.440	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 05:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz (Beam-Forming Mode)	

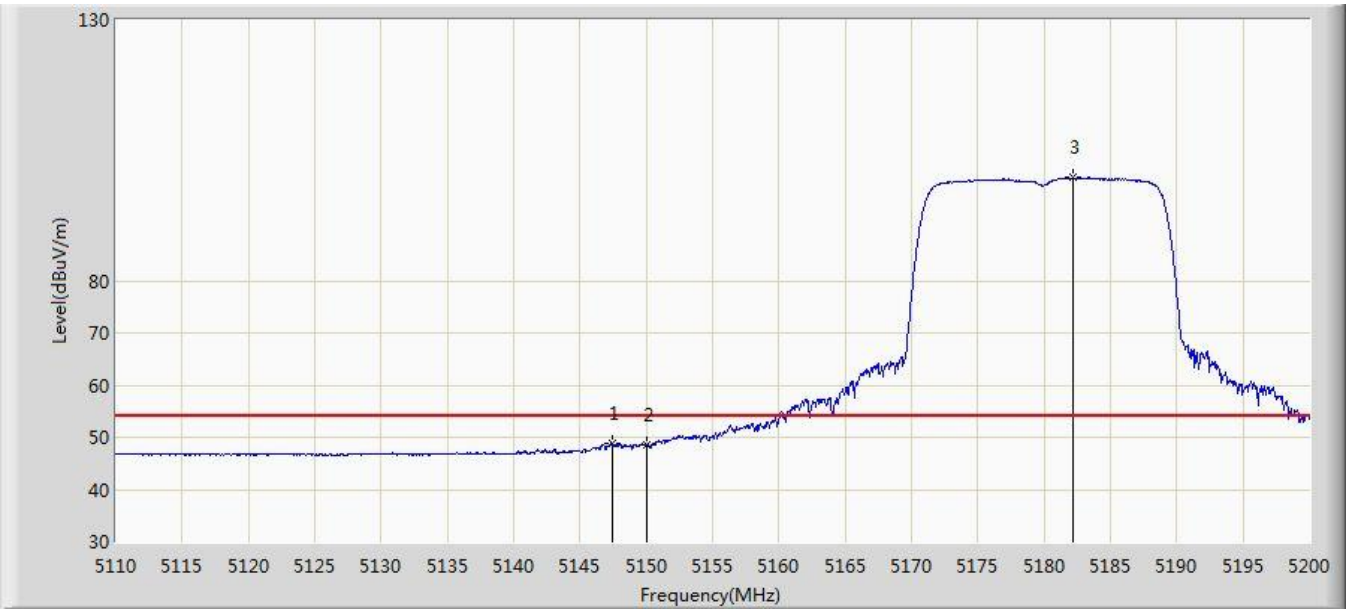


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.565	69.130	62.570	-4.870	74.000	6.560	PK
2			5150.000	62.046	55.484	-11.954	74.000	6.562	PK
3		*	5187.130	112.520	106.122	N/A	N/A	6.399	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 05:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz (Beam-Forming Mode)	

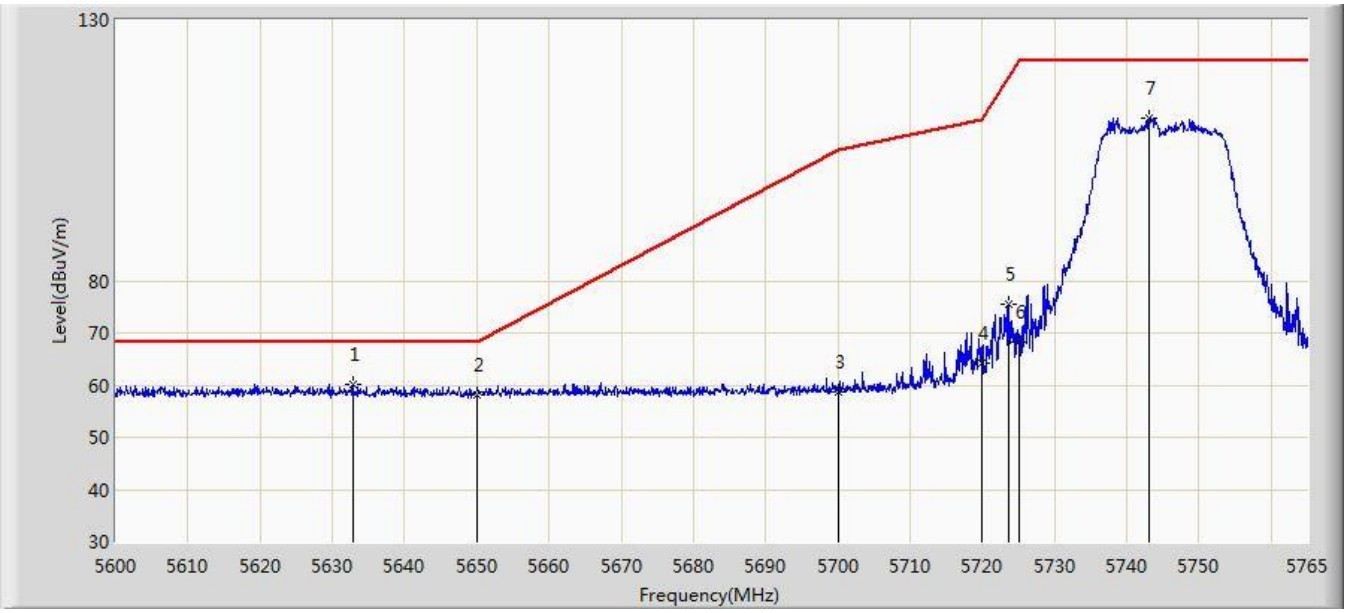


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.395	48.971	42.409	-5.029	54.000	6.562	AV
2			5150.000	48.438	41.876	-5.562	54.000	6.562	AV
3		*	5182.180	99.928	93.501	N/A	N/A	6.428	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 06:30
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz (Beam-Forming Mode)	

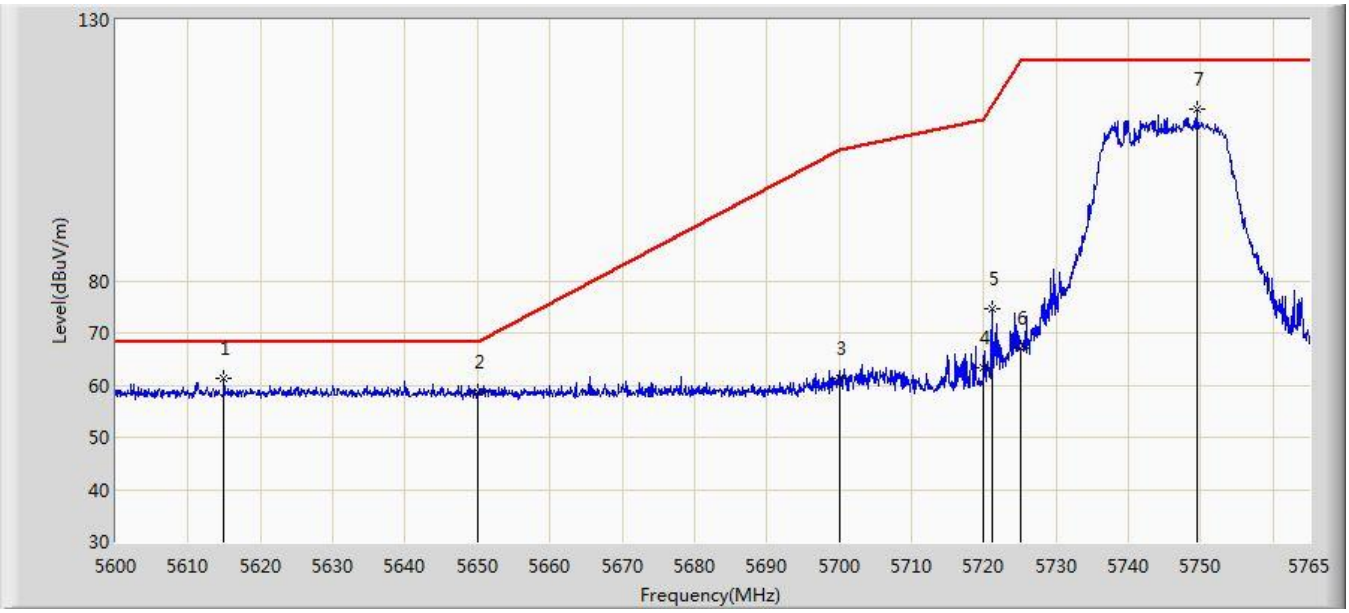


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5632.835	60.073	53.074	-8.127	68.200	7.000	PK
2			5650.000	58.086	51.081	-10.114	68.200	7.005	PK
3			5700.000	58.786	51.621	-46.414	105.200	7.165	PK
4			5720.000	64.105	56.806	-46.695	110.800	7.299	PK
5			5723.585	75.570	68.250	-43.405	118.975	7.319	PK
6			5725.000	68.151	60.823	-54.049	122.200	7.328	PK
7			5743.055	111.200	103.797	N/A	N/A	7.403	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 06:33
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz (Beam-Forming Mode)	

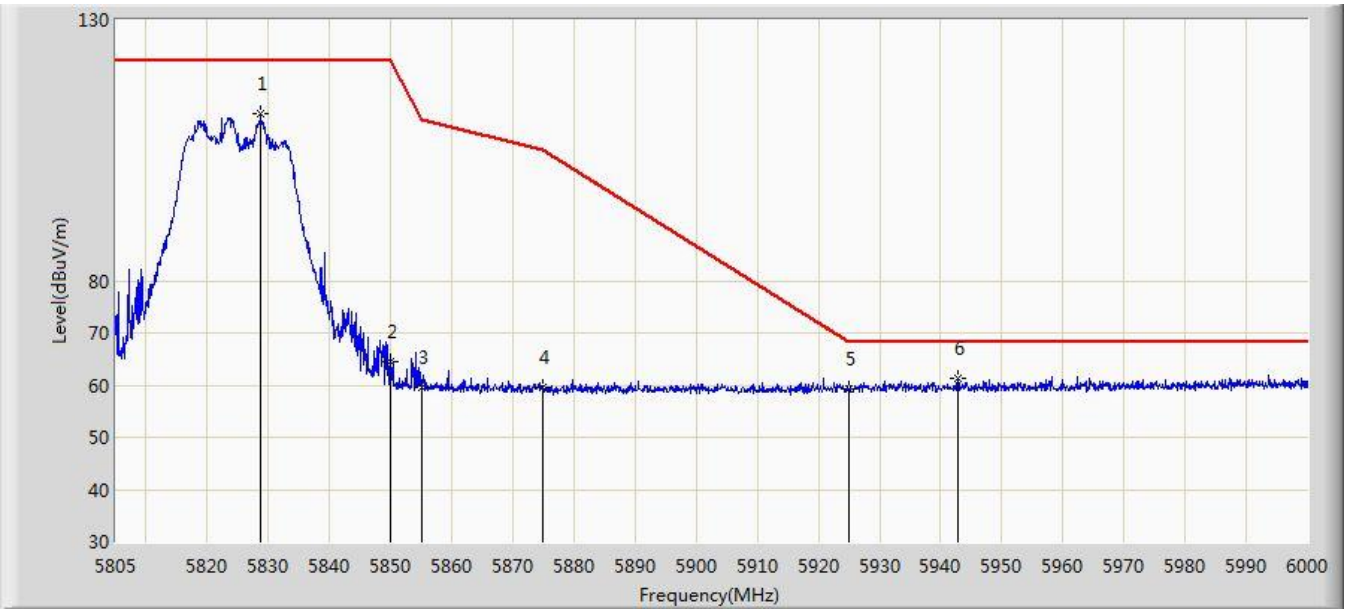


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5614.933	61.237	54.243	-6.963	68.200	6.995	PK
2			5650.000	58.673	51.668	-9.527	68.200	7.005	PK
3			5700.000	61.371	54.206	-43.829	105.200	7.165	PK
4			5720.000	63.368	56.069	-47.432	110.800	7.299	PK
5			5721.110	74.546	67.240	-38.786	113.332	7.306	PK
6			5725.000	66.963	59.635	-55.237	122.200	7.328	PK
7			5749.408	112.973	105.565	N/A	N/A	7.407	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 06:35
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz (Beam-Forming Mode)	

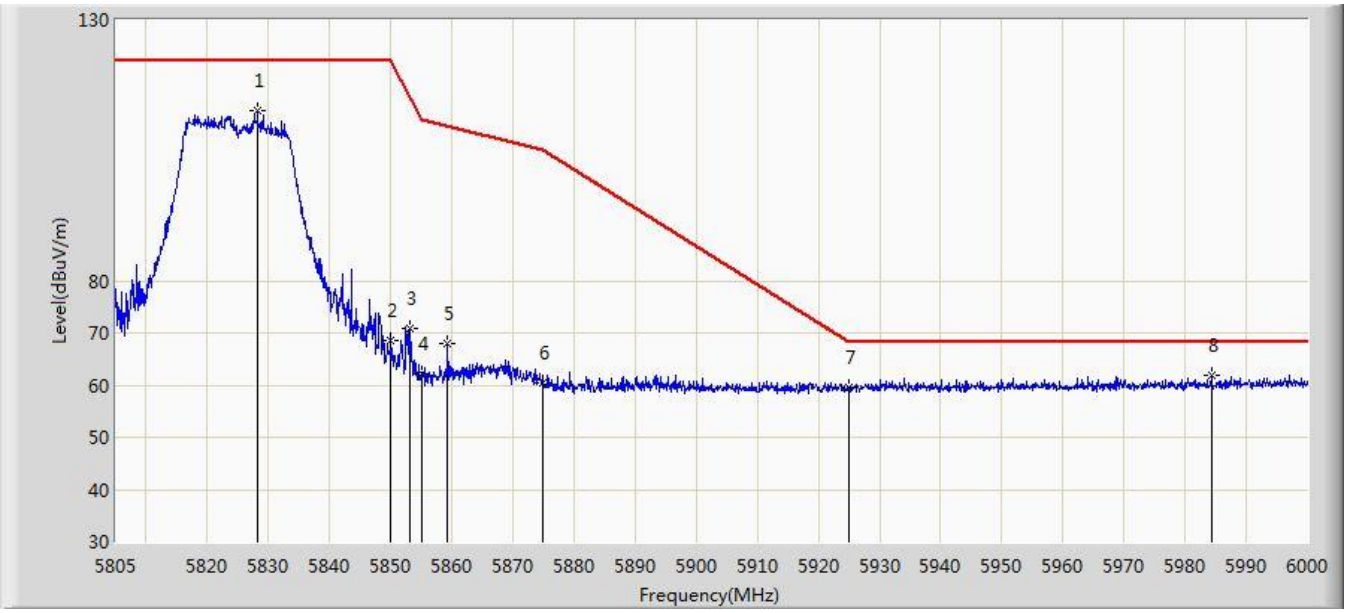


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.692	111.931	104.255	N/A	N/A	7.676	PK
2			5850.000	64.437	56.664	-57.763	122.200	7.774	PK
3			5855.000	59.450	51.674	-51.350	110.800	7.775	PK
4			5875.000	59.598	51.780	-45.602	105.200	7.818	PK
5			5925.000	59.158	51.339	-9.042	68.200	7.819	PK
6		*	5942.865	61.397	53.558	-6.803	68.200	7.840	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 06:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.205	112.634	104.961	N/A	N/A	7.673	PK
2			5850.000	68.554	60.781	-53.646	122.200	7.774	PK
3			5853.165	71.003	63.228	-43.980	114.983	7.775	PK
4			5855.000	62.144	54.368	-48.656	110.800	7.775	PK
5			5859.308	68.073	60.295	-41.519	109.592	7.778	PK
6			5875.000	60.445	52.627	-44.755	105.200	7.818	PK
7			5925.000	59.442	51.623	-8.758	68.200	7.819	PK
8		*	5984.303	62.024	54.118	-6.176	68.200	7.905	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 06:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz (Beam-Forming Mode)	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.950	69.288	62.726	-4.712	74.000	6.562	PK
2			5150.000	66.741	60.179	-7.259	74.000	6.562	PK
3		*	5185.400	109.291	102.883	N/A	N/A	6.408	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

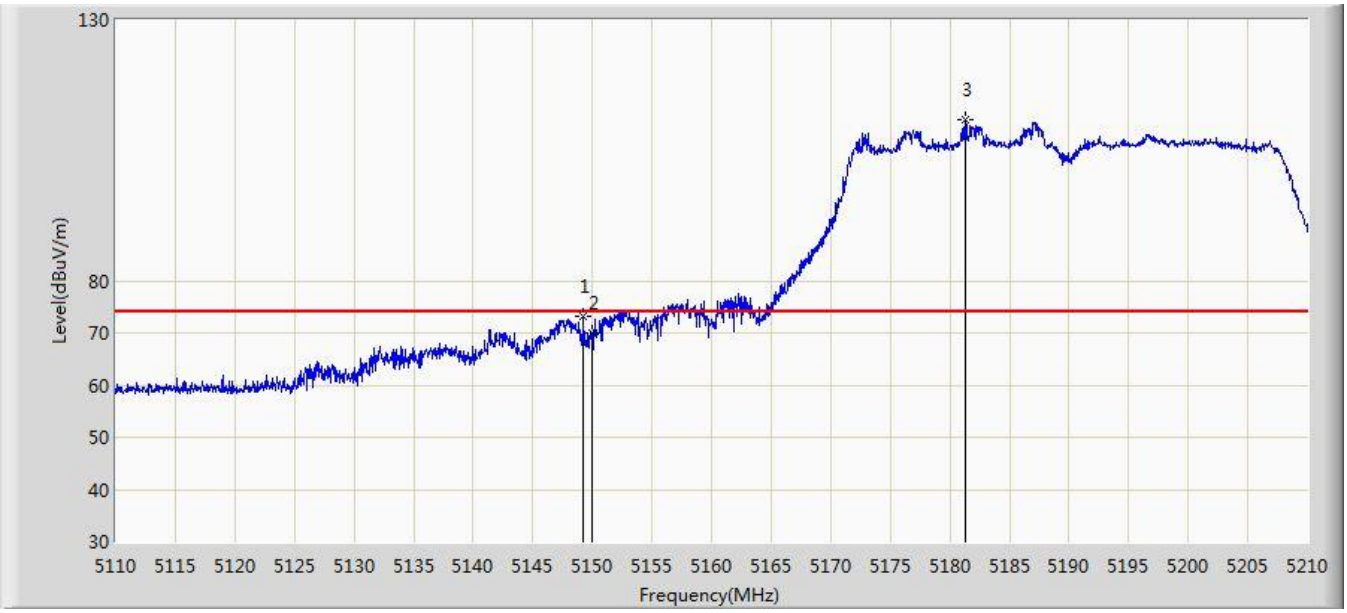
Site: AC1	Time: 2018/09/19 - 06:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz (Beam-Forming Mode)	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.650	48.612	42.040	-5.388	54.000	6.572	AV
2			5150.000	48.184	41.622	-5.816	54.000	6.562	AV
3		*	5185.800	99.563	93.157	N/A	N/A	6.406	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 06:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz (Beam-Forming Mode)	

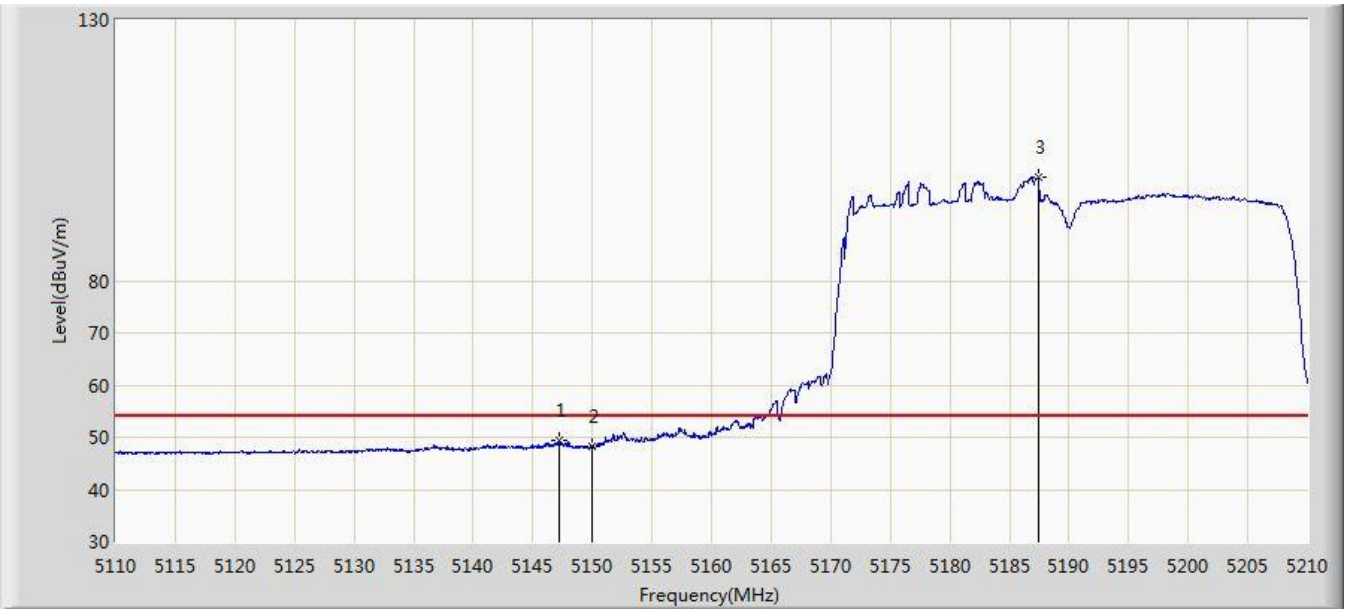


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.250	73.070	66.509	-0.930	74.000	6.561	PK
2			5150.000	69.971	63.409	-4.029	74.000	6.562	PK
3		*	5181.250	110.750	104.316	N/A	N/A	6.435	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 06:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz (Beam-Forming Mode)	

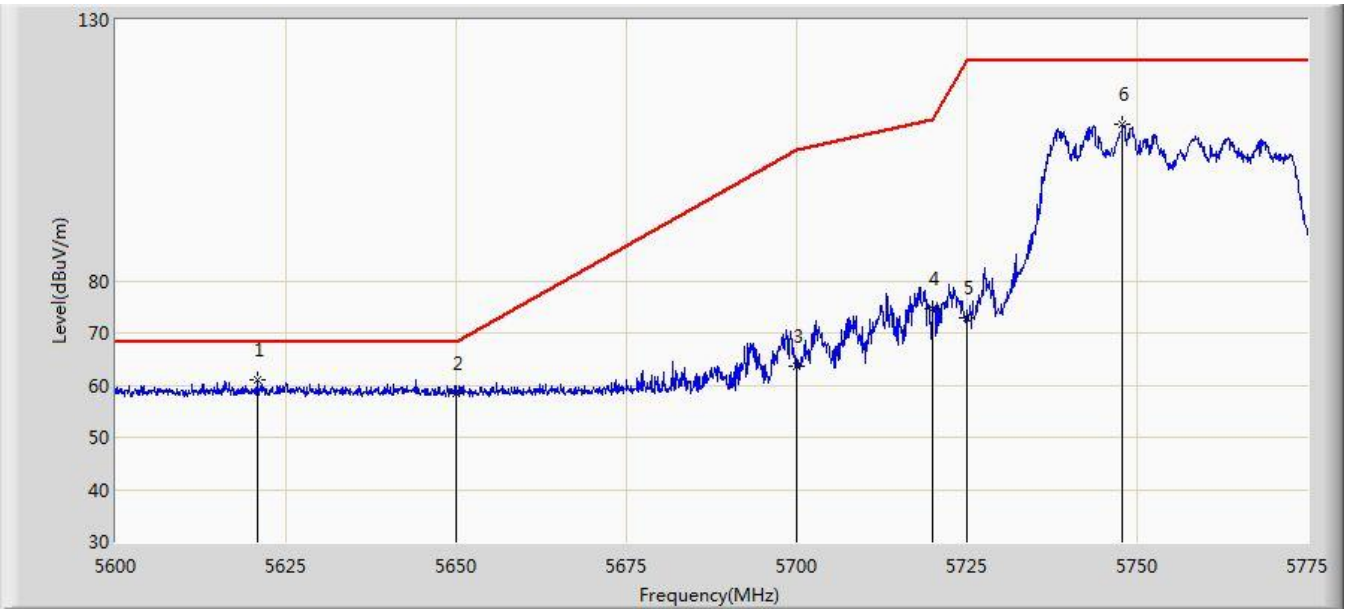


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.250	49.323	42.760	-4.677	54.000	6.564	AV
2			5150.000	48.245	41.683	-5.755	54.000	6.562	AV
3		*	5187.450	99.729	93.333	N/A	N/A	6.396	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 07:55
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz (Beam-Forming Mode)	

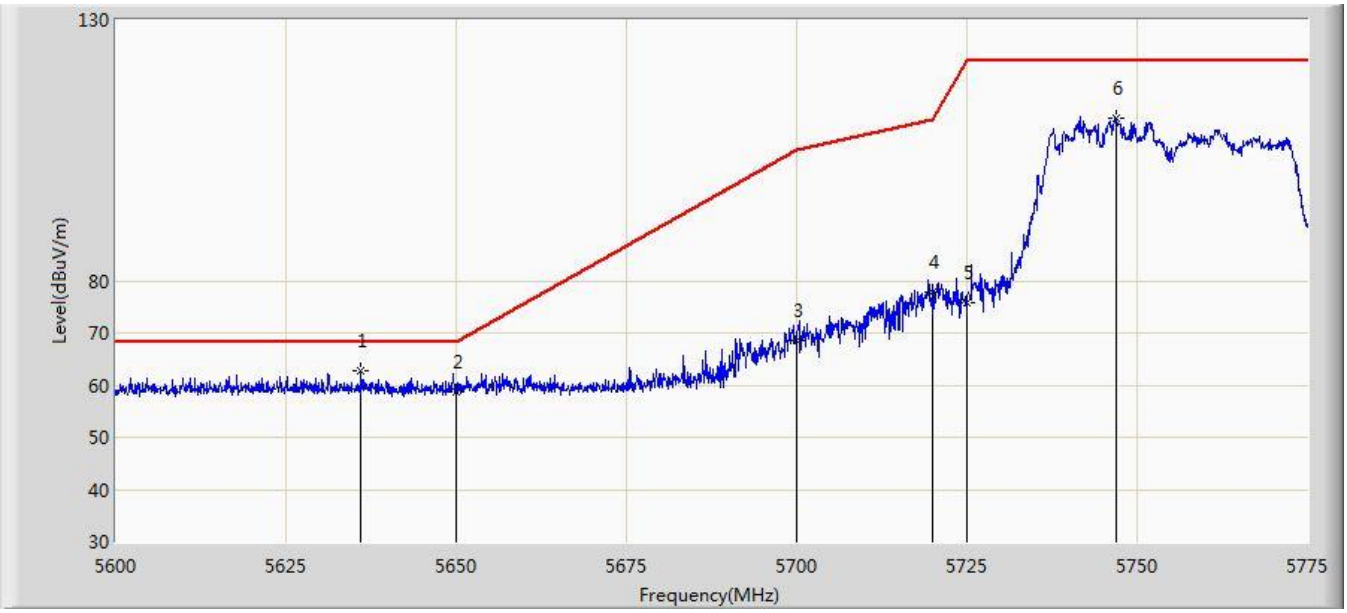


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5620.737	61.001	53.994	-7.199	68.200	7.007	PK
2			5650.000	58.280	51.275	-9.920	68.200	7.005	PK
3			5700.000	63.581	56.416	-41.619	105.200	7.165	PK
4			5720.000	74.590	67.291	-36.210	110.800	7.299	PK
5			5725.000	72.982	65.654	-49.218	122.200	7.328	PK
6			5747.788	110.134	102.727	N/A	N/A	7.407	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 07:57
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz (Beam-Forming Mode)	

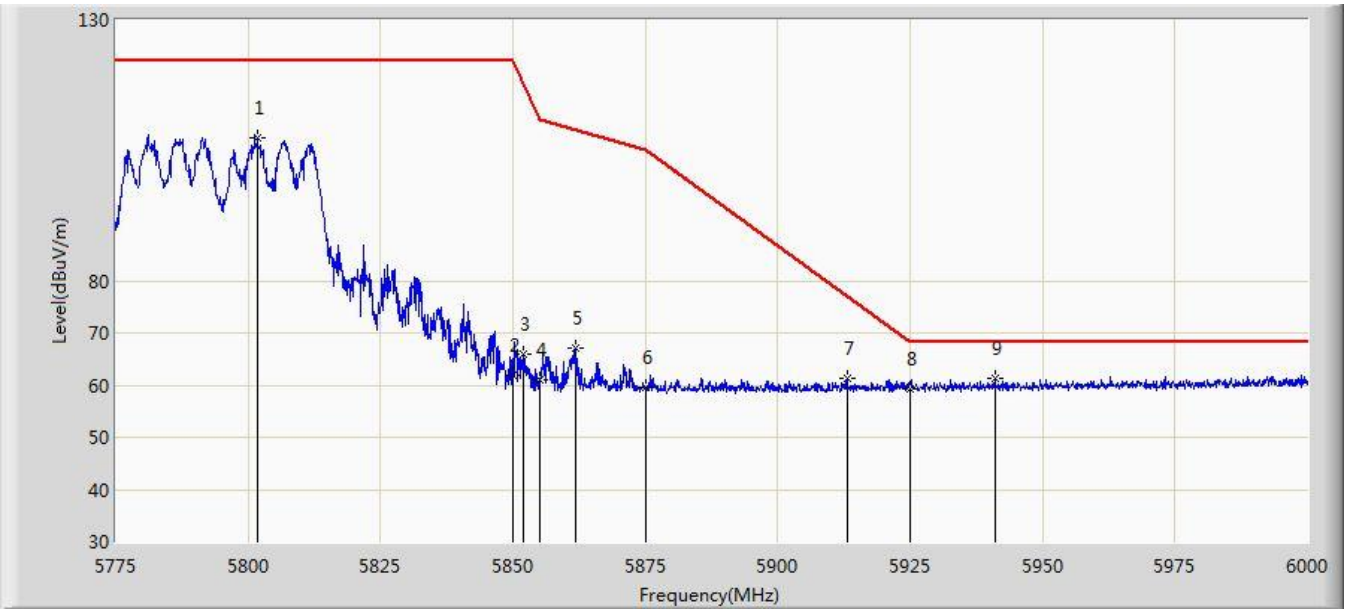


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5636.050	62.804	55.810	-5.396	68.200	6.993	PK
2			5650.000	58.814	51.809	-9.386	68.200	7.005	PK
3			5700.000	68.541	61.376	-36.659	105.200	7.165	PK
4			5720.000	77.930	70.631	-32.870	110.800	7.299	PK
5			5725.000	75.738	68.410	-46.462	122.200	7.328	PK
6			5746.913	111.080	103.674	N/A	N/A	7.407	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/20 - 23:00
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz (Beam-Forming Mode)	

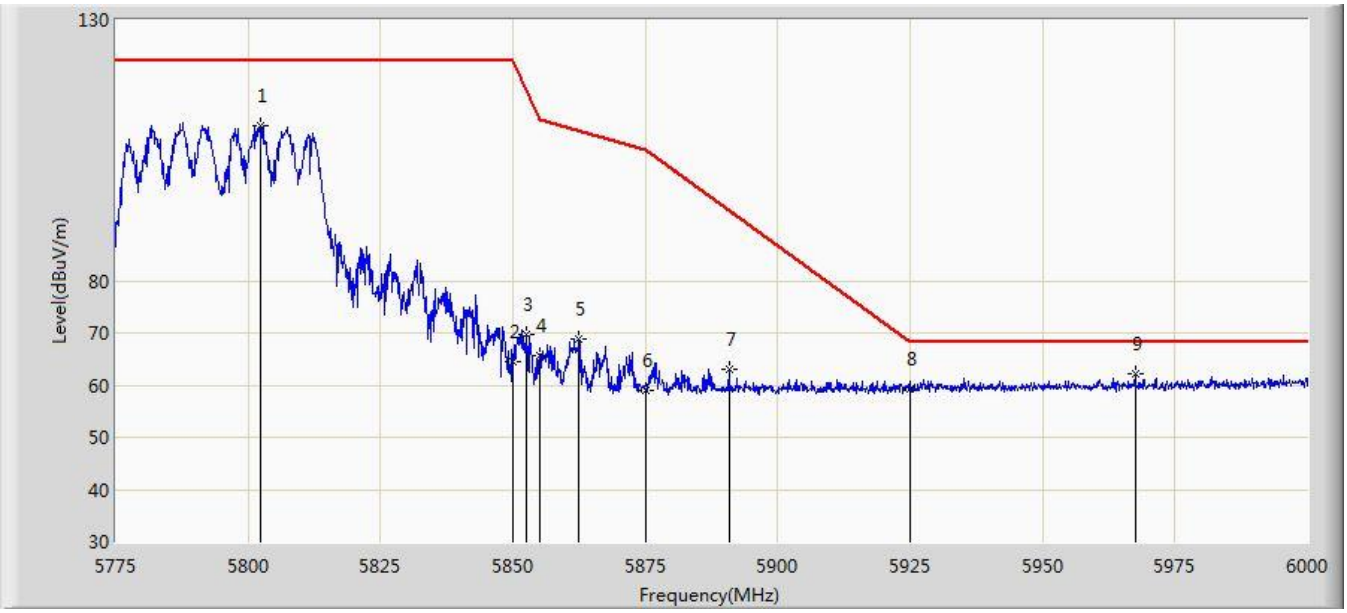


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5801.775	107.487	99.924	N/A	N/A	7.563	PK
2			5850.000	61.970	54.197	-60.230	122.200	7.774	PK
3			5851.837	65.842	58.068	-52.168	118.011	7.775	PK
4			5855.000	60.975	53.199	-49.825	110.800	7.775	PK
5			5861.737	67.237	59.457	-41.675	108.912	7.779	PK
6			5875.000	59.606	51.788	-45.594	105.200	7.818	PK
7			5913.038	61.378	53.568	-15.645	77.023	7.810	PK
8			5925.000	59.326	51.507	-8.874	68.200	7.819	PK
9		*	5940.937	61.175	53.338	-7.025	68.200	7.836	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/20 - 23:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz (Beam-Forming Mode)	

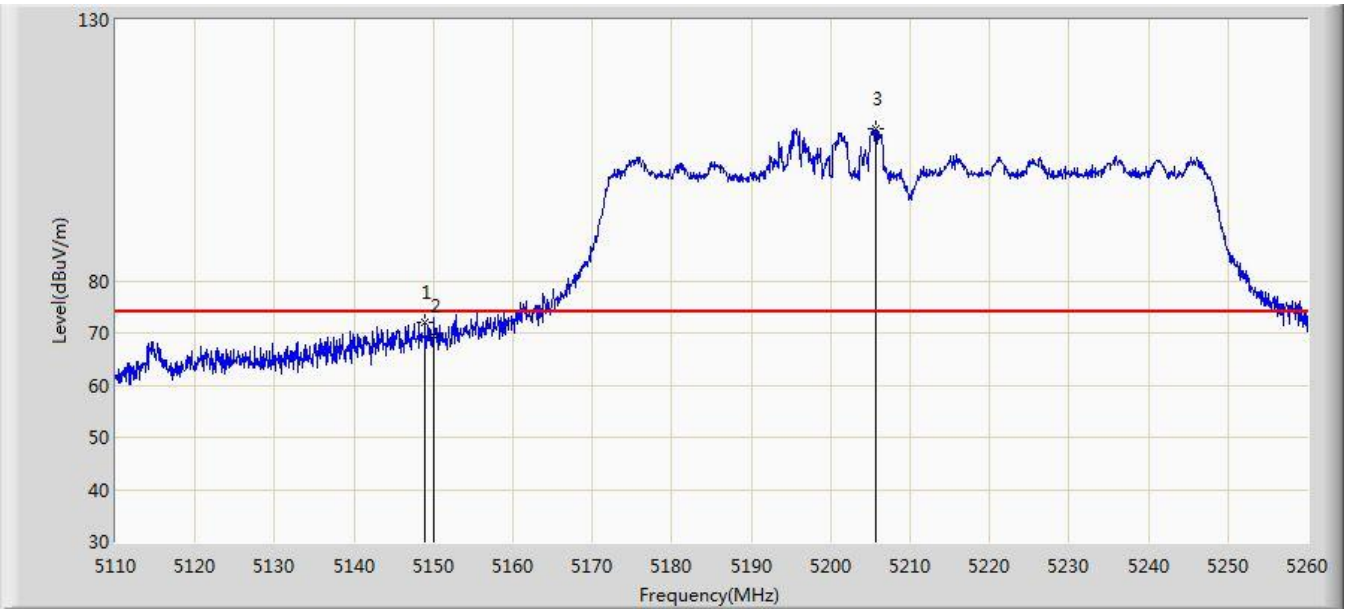


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5802.337	109.755	102.190	N/A	N/A	7.565	PK
2			5850.000	64.549	56.776	-57.651	122.200	7.774	PK
3			5852.625	69.735	61.960	-46.479	116.214	7.774	PK
4			5855.000	65.791	58.015	-45.009	110.800	7.775	PK
5			5862.525	68.756	60.975	-39.934	108.691	7.781	PK
6			5875.000	58.987	51.169	-46.213	105.200	7.818	PK
7			5890.763	63.093	55.260	-30.408	93.502	7.833	PK
8			5925.000	59.393	51.574	-8.807	68.200	7.819	PK
9		*	5967.487	62.073	54.206	-6.127	68.200	7.867	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 08:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz (Beam-Forming Mode)	

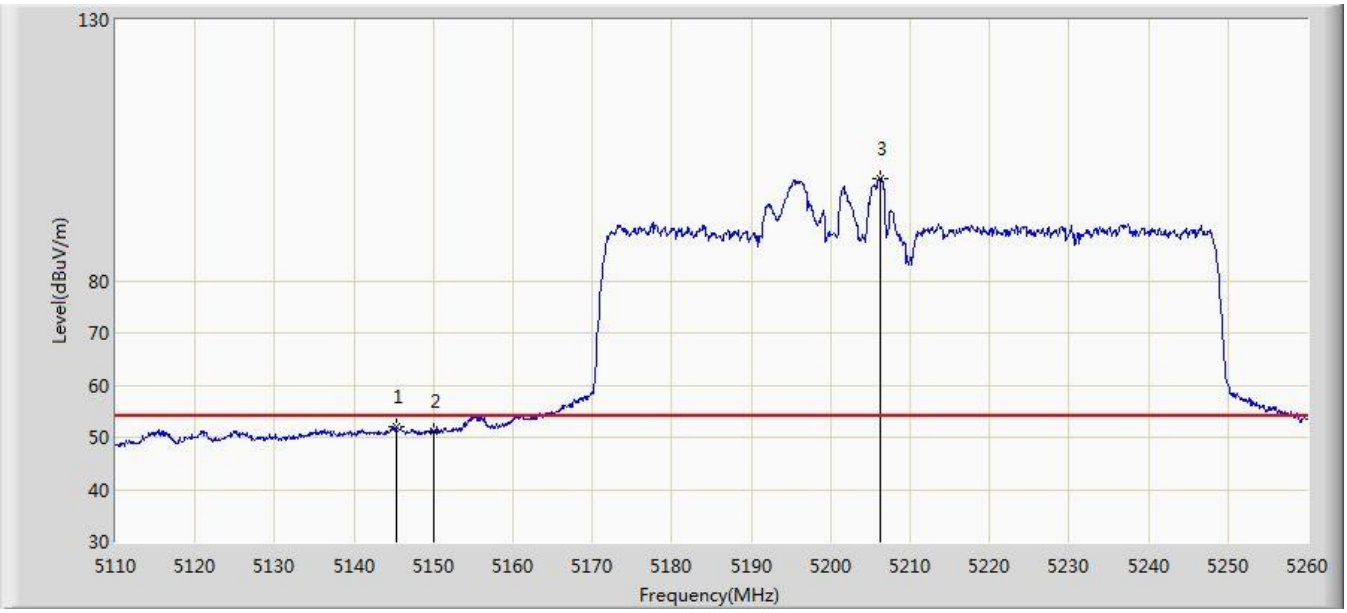


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.925	72.091	65.531	-1.909	74.000	6.560	PK
2			5150.000	69.412	62.850	-4.588	74.000	6.562	PK
3		*	5205.625	109.205	102.852	N/A	N/A	6.353	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 08:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz (Beam-Forming Mode)	

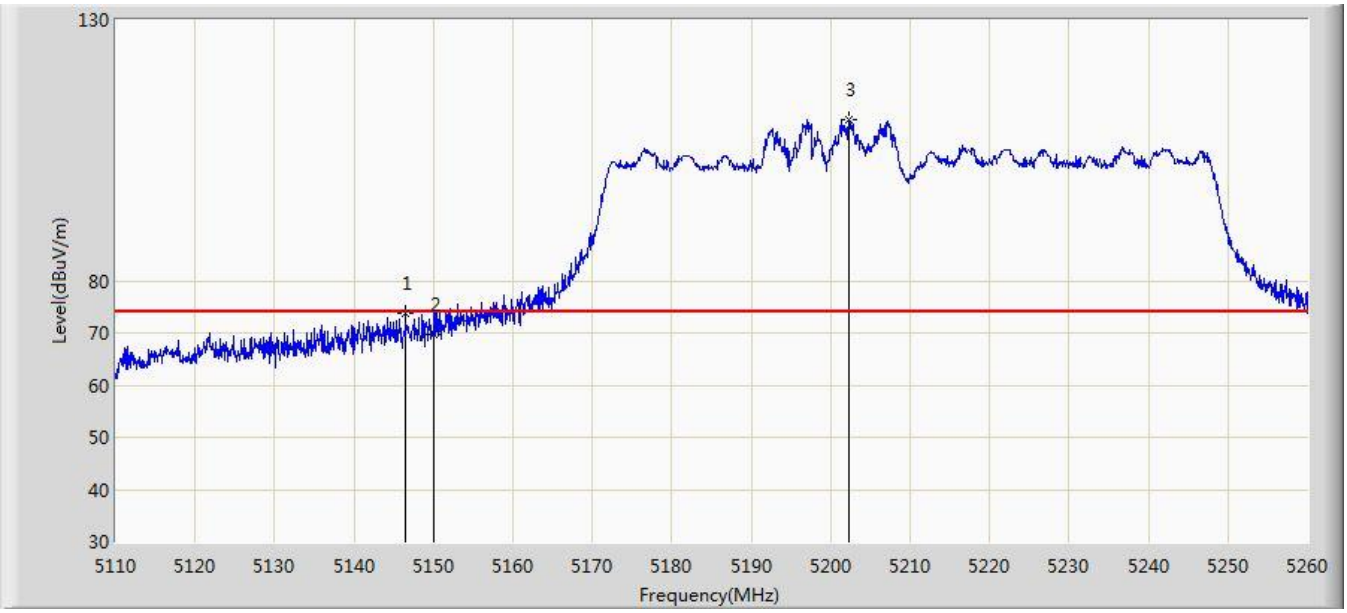


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.325	52.023	45.449	-1.977	54.000	6.574	AV
2			5150.000	51.103	44.541	-2.897	54.000	6.562	AV
3		*	5206.300	99.649	93.294	N/A	N/A	6.355	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 08:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz (Beam-Forming Mode)	

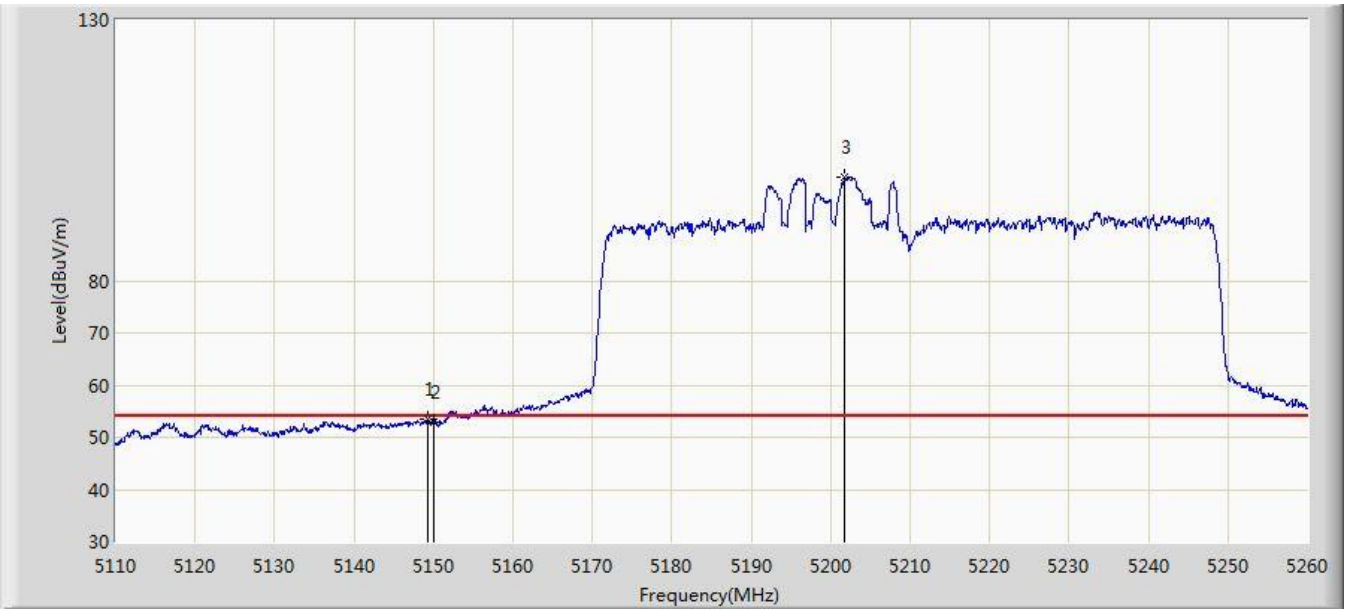


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.450	73.624	67.056	-0.376	74.000	6.567	PK
2			5150.000	69.611	63.049	-4.389	74.000	6.562	PK
3		*	5202.250	110.742	104.400	N/A	N/A	6.342	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 08:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz (Beam-Forming Mode)	

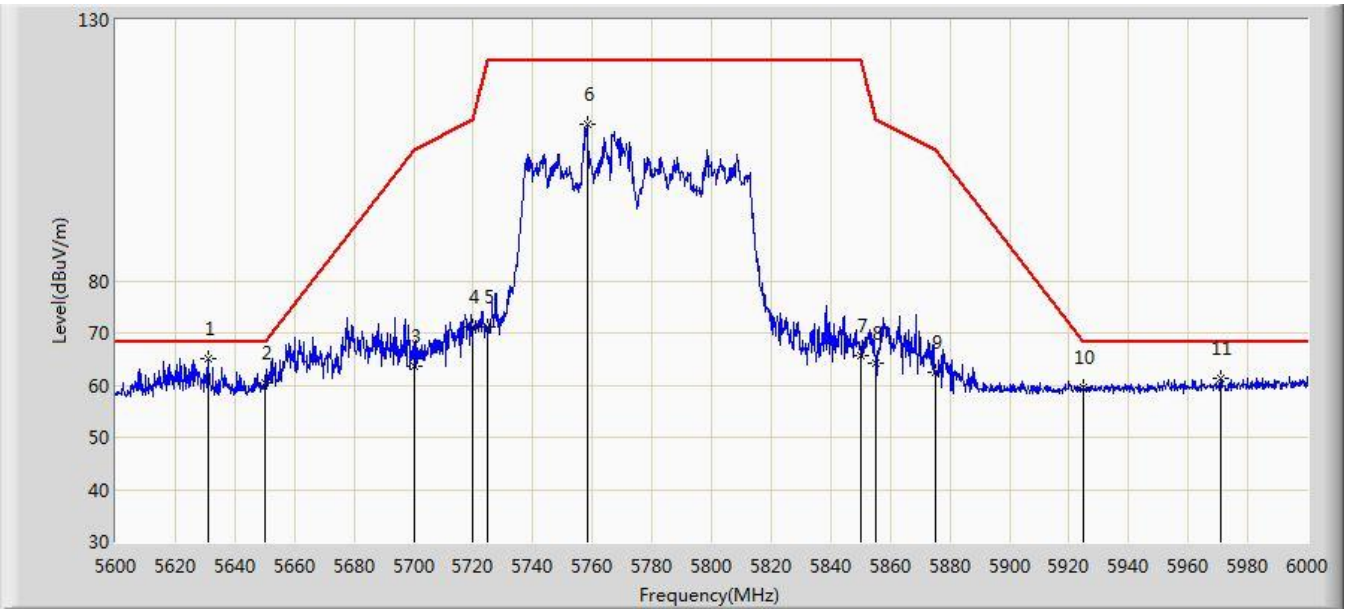


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.225	53.601	47.040	-0.399	54.000	6.561	AV
2			5150.000	52.911	46.349	-1.089	54.000	6.562	AV
3		*	5201.800	99.874	93.534	N/A	N/A	6.340	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 09:04
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz (Beam-Forming Mode)	

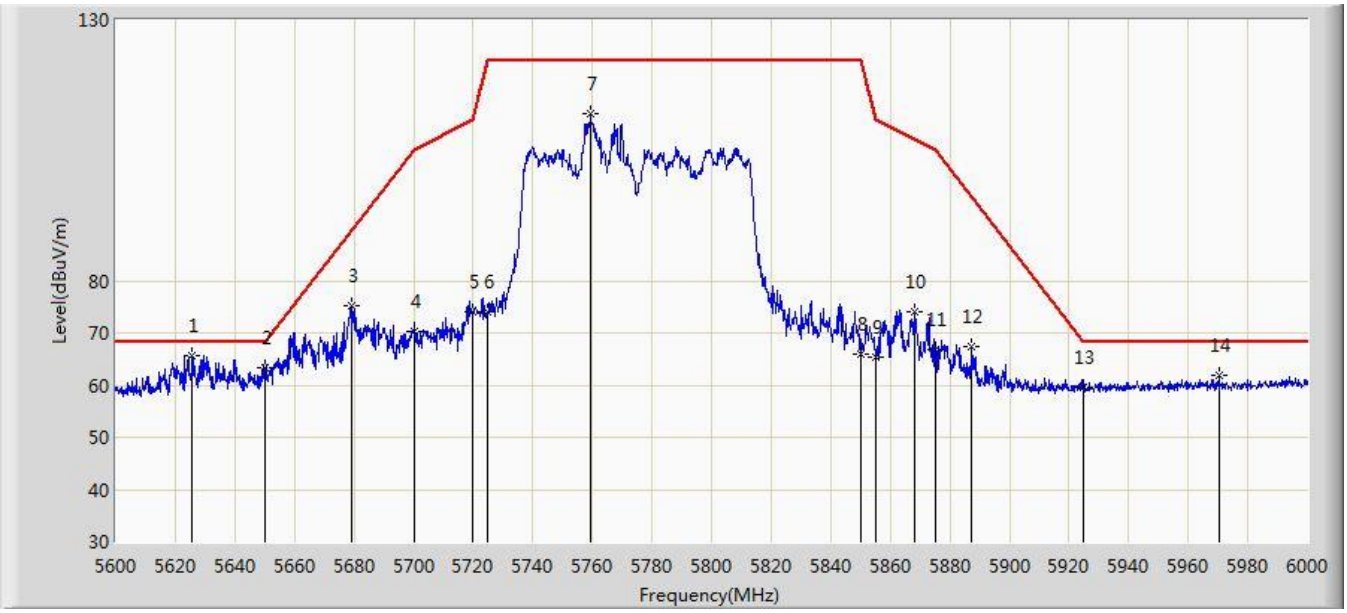


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5631.000	65.186	58.183	-3.014	68.200	7.003	PK
2			5650.000	60.524	53.519	-7.676	68.200	7.005	PK
3			5700.000	63.640	56.475	-41.560	105.200	7.165	PK
4			5720.000	71.280	63.981	-39.520	110.800	7.299	PK
5			5725.000	71.228	63.900	-50.972	122.200	7.328	PK
6			5758.400	110.114	102.701	N/A	N/A	7.413	PK
7			5850.000	65.785	58.012	-56.415	122.200	7.774	PK
8			5855.000	64.206	56.430	-46.594	110.800	7.775	PK
9			5875.000	62.535	54.717	-42.665	105.200	7.818	PK
10			5925.000	59.430	51.611	-8.770	68.200	7.819	PK
11			5971.000	61.418	53.545	-6.782	68.200	7.873	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/09/19 - 09:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5625.600	65.712	58.700	-2.488	68.200	7.012	PK
2			5650.000	63.347	56.342	-4.853	68.200	7.005	PK
3			5679.000	75.350	68.282	-14.349	89.700	7.068	PK
4			5700.000	70.291	63.126	-34.909	105.200	7.165	PK
5			5720.000	74.016	66.717	-36.784	110.800	7.299	PK
6			5725.000	74.201	66.873	-47.999	122.200	7.328	PK
7			5759.400	112.061	104.648	N/A	N/A	7.413	PK
8			5850.000	65.995	58.222	-56.205	122.200	7.774	PK
9			5855.000	65.308	57.532	-45.492	110.800	7.775	PK
10			5868.000	74.056	66.258	-33.102	107.158	7.797	PK
11			5875.000	66.678	58.860	-38.522	105.200	7.818	PK
12			5887.400	67.531	59.699	-28.464	95.995	7.833	PK
13			5925.000	59.663	51.844	-8.537	68.200	7.819	PK
14			5970.200	61.759	53.887	-6.441	68.200	7.872	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

7.10. AC Conducted Emissions Measurement

7.10.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
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.		

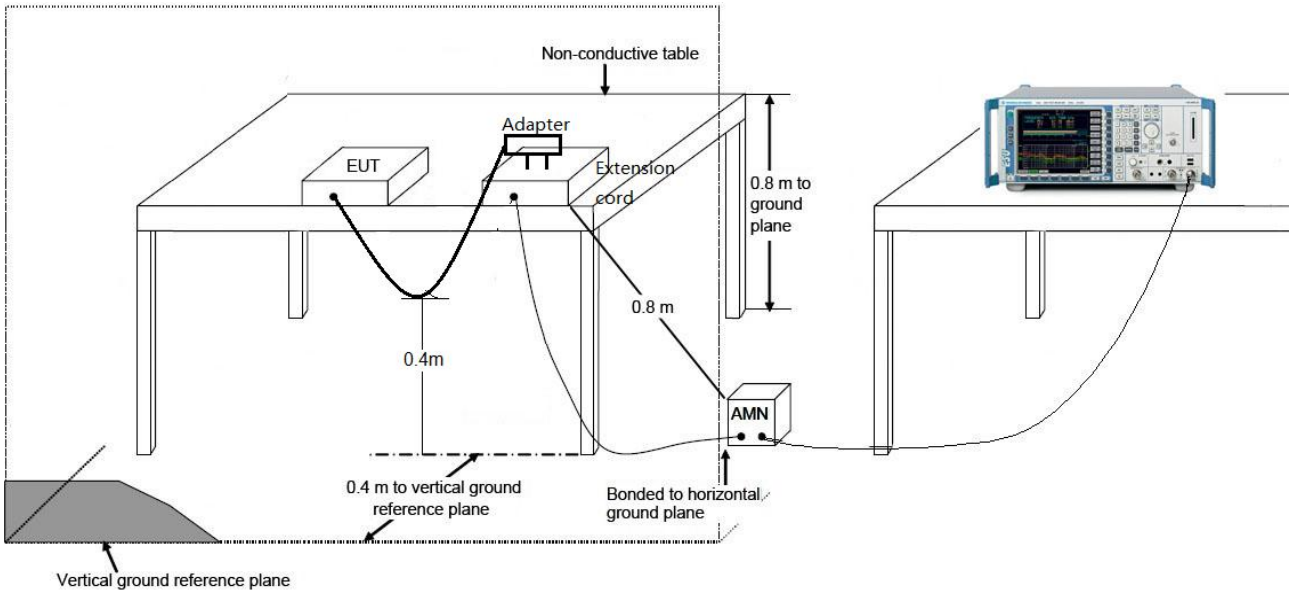
7.10.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2013 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.

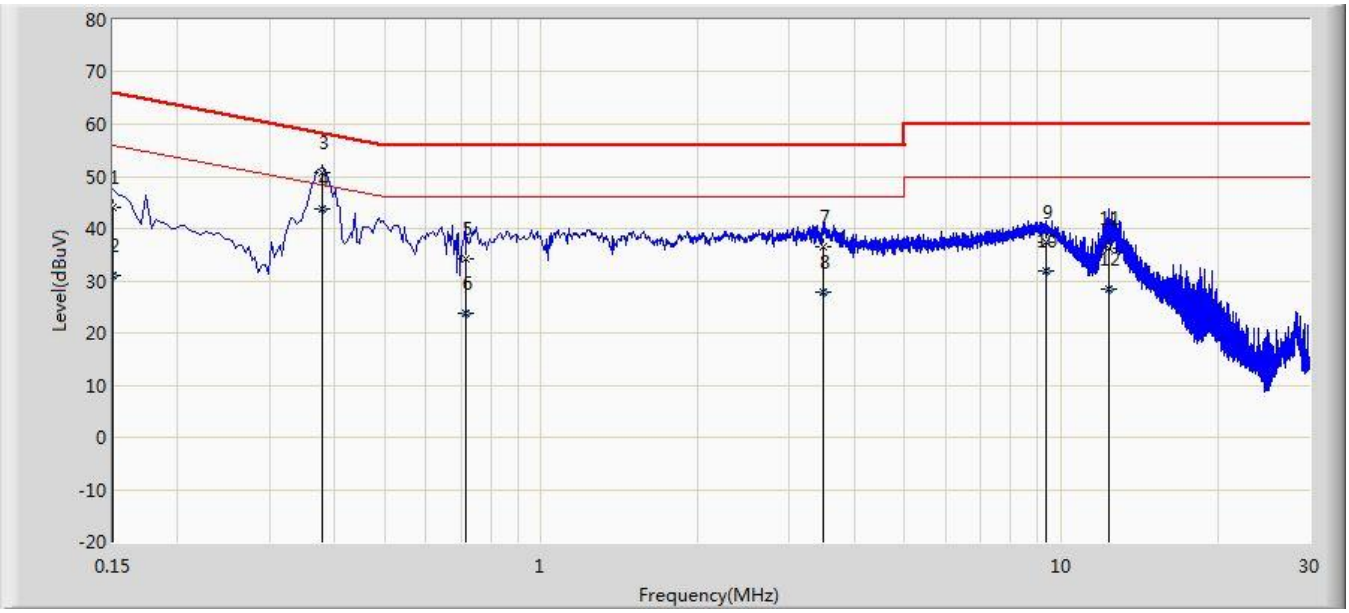
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

7.10.3. Test Setup



7.10.4.Test Result

Site: SR2	Time: 2018/10/12 - 16:02
Limit: FCC_Part15.207_CE_AC Power	Engineer: Cat Hu
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: HAN Access Point	Power: AC 120V/60Hz
Worst Case Mode: Transmit by 802.11a at channel 5180MHz	

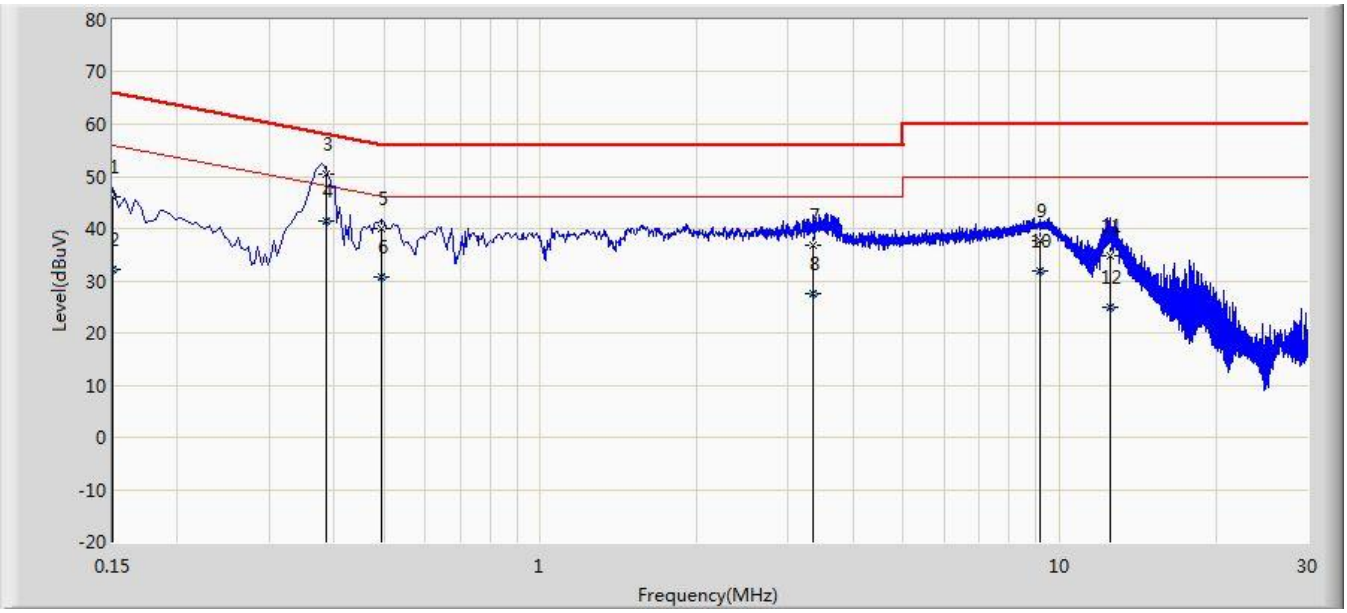


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	44.036	32.511	-21.964	66.000	11.525	QP
2			0.150	31.140	19.614	-24.860	56.000	11.525	AV
3			0.378	50.742	40.320	-7.581	58.323	10.422	QP
4		*	0.378	43.901	33.479	-4.422	48.323	10.422	AV
5			0.714	34.317	23.908	-21.683	56.000	10.409	QP
6			0.714	23.666	13.257	-22.334	46.000	10.409	AV
7			3.486	36.421	26.267	-19.579	56.000	10.154	QP
8			3.486	27.785	17.631	-18.215	46.000	10.154	AV
9			9.322	37.352	27.236	-22.648	60.000	10.116	QP
10			9.322	32.028	21.912	-17.972	50.000	10.116	AV
11			12.342	36.102	25.973	-23.898	60.000	10.129	QP
12			12.342	28.365	18.236	-21.635	50.000	10.129	AV

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

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

Site: SR2	Time: 2018/10/12 - 16:06
Limit: FCC_Part15.207_CE_AC Power	Engineer: Cat Hu
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: HAN Access Point	Power: AC 120V/60Hz
Worst Case Mode: Transmit by 802.11a at channel 5180MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	45.959	34.460	-20.041	66.000	11.499	QP
2			0.150	32.314	20.815	-23.686	56.000	11.499	AV
3			0.386	50.420	39.963	-7.734	58.154	10.457	QP
4		*	0.386	41.448	30.991	-6.706	48.154	10.457	AV
5			0.494	40.114	29.581	-15.987	56.100	10.532	QP
6			0.494	30.860	20.327	-15.240	46.100	10.532	AV
7			3.354	36.921	26.756	-19.079	56.000	10.165	QP
8			3.354	27.531	17.365	-18.469	46.000	10.165	AV
9			9.186	37.631	27.498	-22.369	60.000	10.133	QP
10			9.186	31.906	21.773	-18.094	50.000	10.133	AV
11			12.478	34.700	24.535	-25.300	60.000	10.165	QP
12			12.478	24.977	14.812	-25.023	50.000	10.165	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 **HAN Access Point** is in compliance with Part 15C of the FCC Rules.

The End

Appendix A – Test Setup Photograph

Refer to “1808RSU025-UT” file.

Appendix B – EUT Photograph

Refer to “1808RSU025-UE” file.