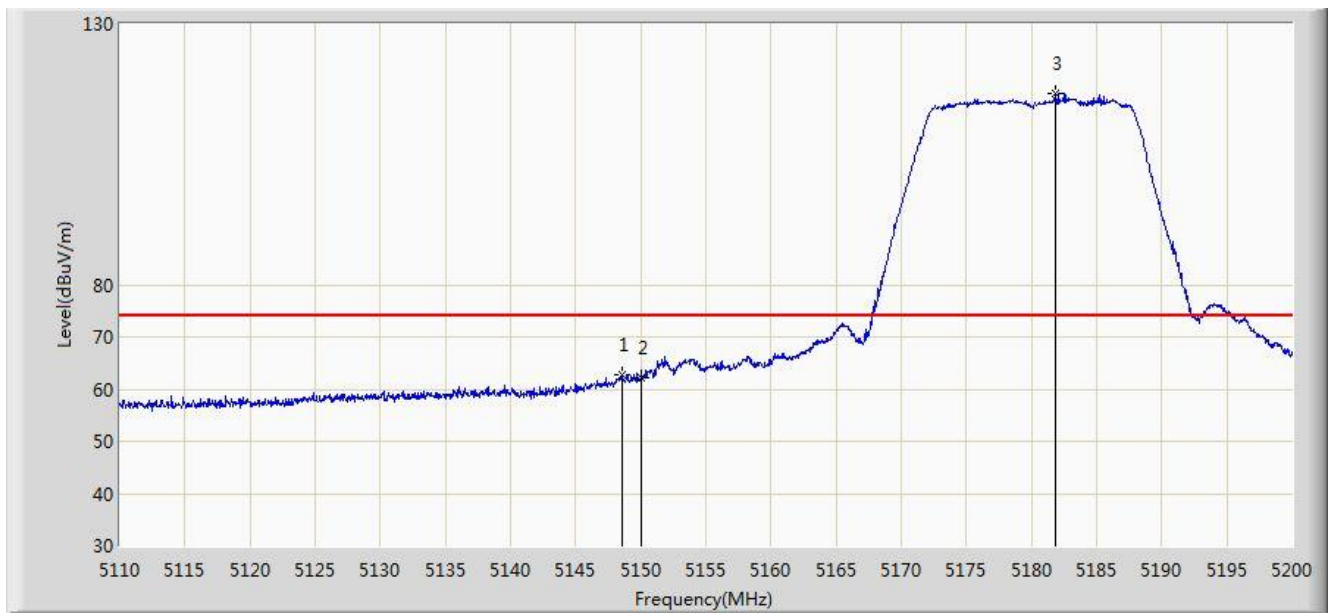


FPMI2458-DP4RPSMA Antenna Test Result

Site: AC1	Time: 2016/08/14 - 17:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0	

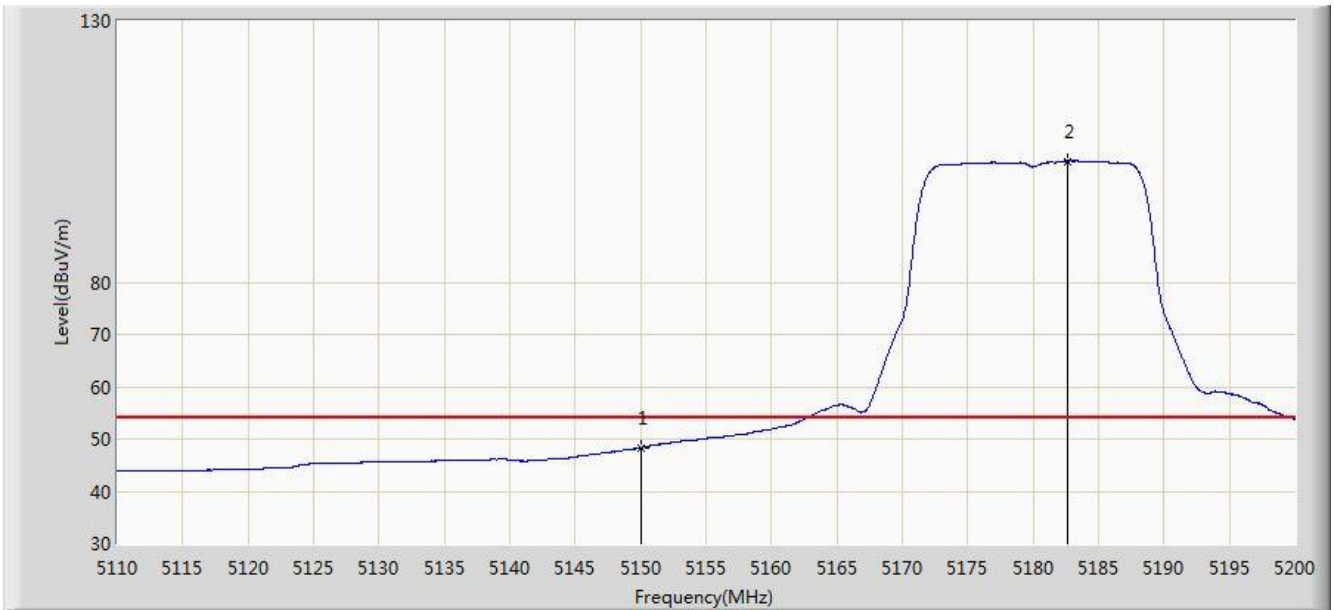


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.565	62.780	58.606	-11.220	74.000	4.173	PK
2			5150.000	62.125	57.956	-11.875	74.000	4.170	PK
3		*	5181.865	116.550	112.488	N/A	N/A	4.062	PK

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

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

Site: AC1	Time: 2016/08/14 - 17:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0	

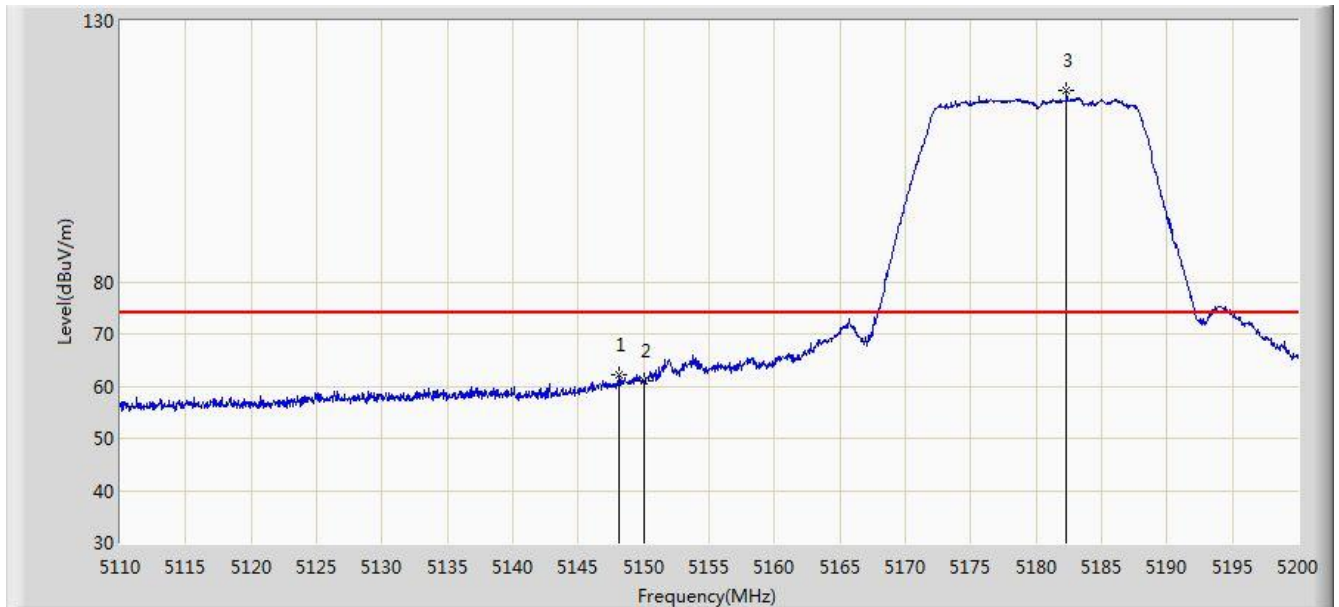


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.316	44.147	-5.684	54.000	4.170	AV
2		*	5182.585	103.148	99.088	N/A	N/A	4.060	AV

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: 2016/08/14 - 17:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.070	62.291	58.116	-11.709	74.000	4.176	PK
2			5150.000	60.888	56.719	-13.112	74.000	4.170	PK
3		*	5182.315	116.692	112.631	N/A	N/A	4.060	PK

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

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

Site: AC1	Time: 2016/08/14 - 17:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0	

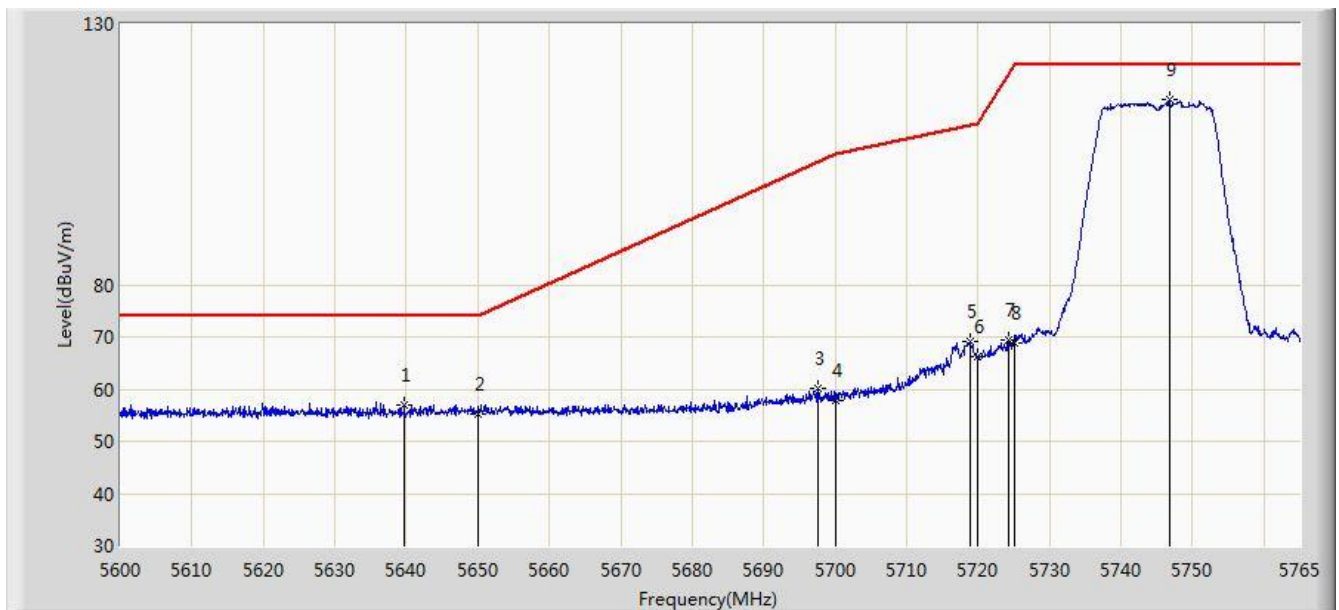


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.958	43.789	-6.042	54.000	4.170	AV
2		*	5178.715	102.524	98.451	N/A	N/A	4.073	AV

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

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

Site: AC1	Time: 2016/08/14 - 17:42
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0	

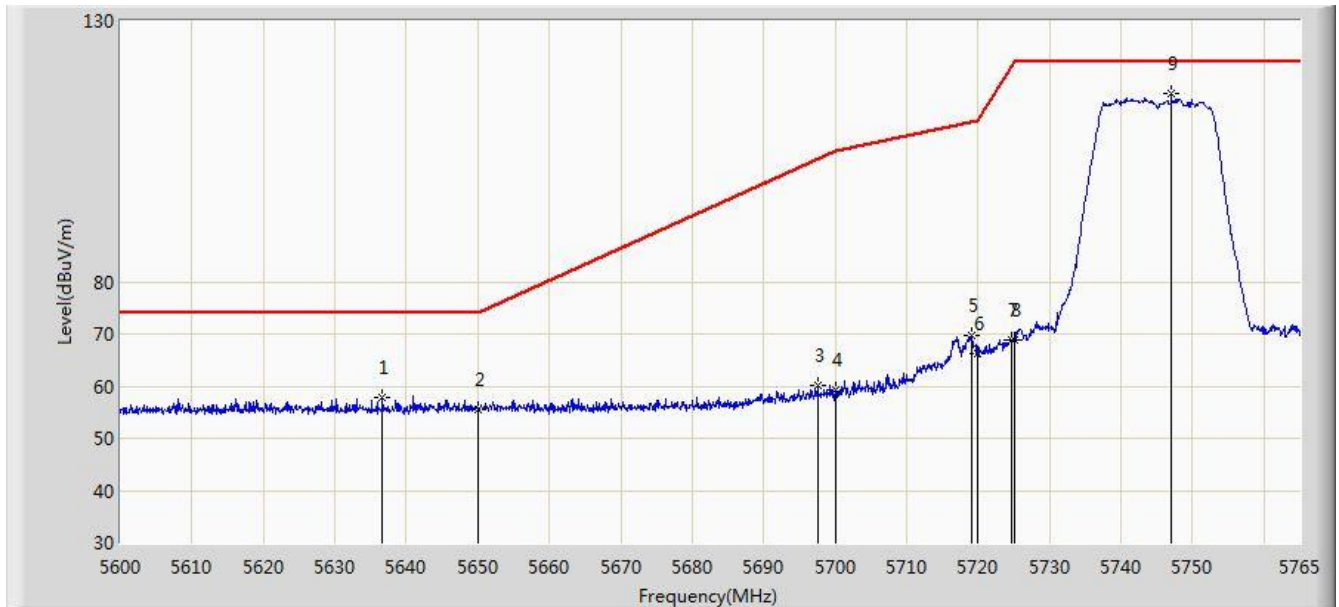


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5639.683	56.926	52.289	-17.074	74.000	4.638	PK
2			5650.000	55.157	50.486	-18.843	74.000	4.671	PK
3			5697.680	60.068	55.202	-43.690	103.758	4.866	PK
4			5700.000	57.948	53.070	-47.252	105.200	4.878	PK
5			5718.800	69.063	64.074	-41.401	110.465	4.989	PK
6			5720.000	66.156	61.159	-44.644	110.800	4.997	PK
7			5724.245	69.347	64.323	-51.132	120.479	5.024	PK
8			5725.000	68.758	63.729	-53.442	122.200	5.029	PK
9		*	5746.768	115.639	110.474	N/A	N/A	5.165	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: 2016/08/14 - 17:45
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0	

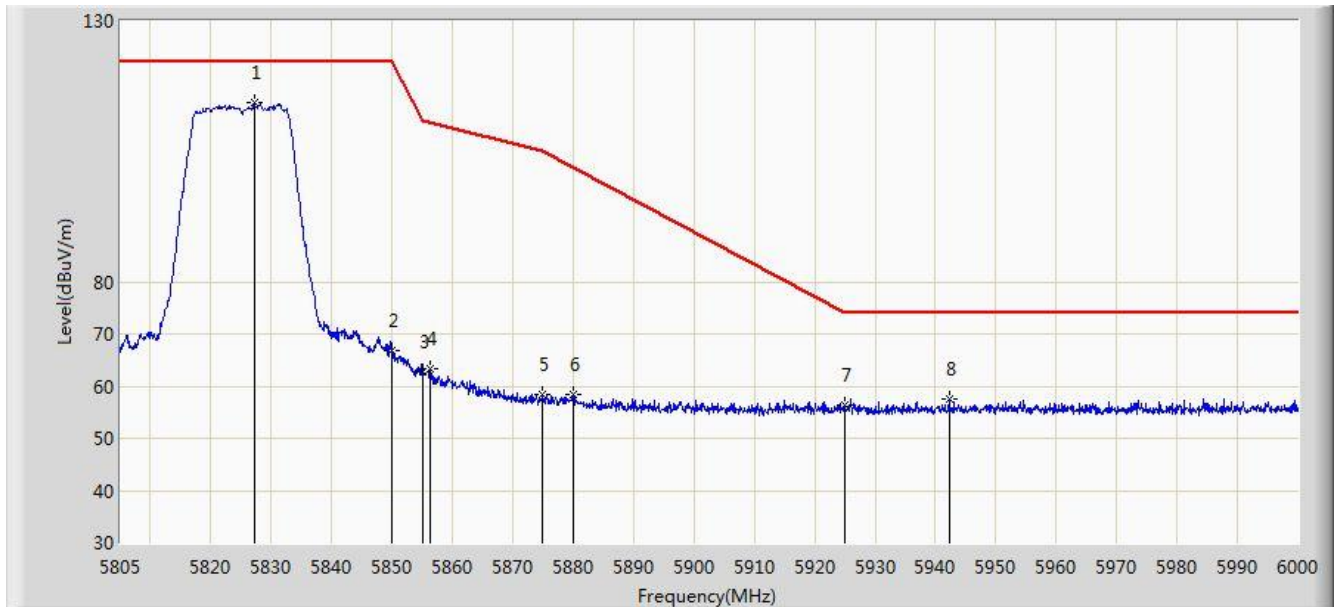


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5636.630	57.962	53.334	-16.038	74.000	4.628	PK
2			5650.000	55.394	50.723	-18.606	74.000	4.671	PK
3			5697.598	60.058	55.193	-43.649	103.707	4.865	PK
4			5700.000	59.337	54.459	-45.863	105.200	4.878	PK
5			5719.047	69.597	64.606	-40.937	110.534	4.990	PK
6			5720.000	66.216	61.219	-44.584	110.800	4.997	PK
7			5724.658	68.914	63.887	-52.507	121.421	5.027	PK
8			5725.000	68.805	63.776	-53.395	122.200	5.029	PK
9		*	5747.015	116.111	110.945	N/A	N/A	5.166	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: 2016/08/14 - 17:47
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0	

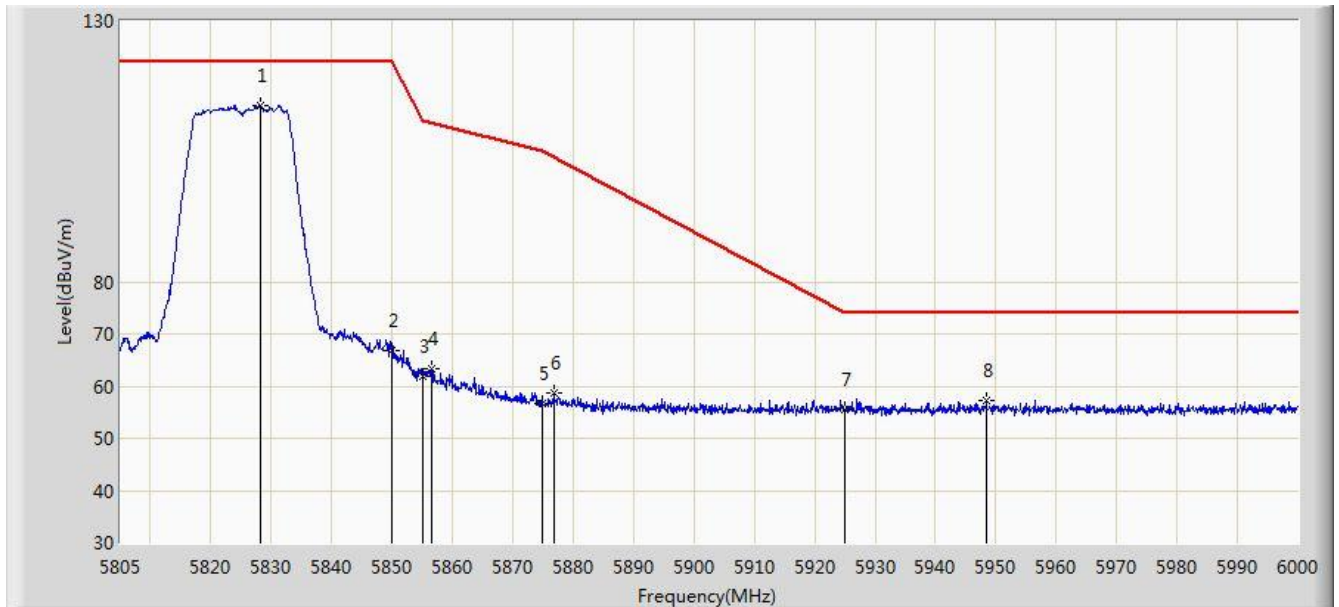


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.132	114.298	108.698	N/A	N/A	5.600	PK
2			5850.000	66.743	61.017	-55.457	122.200	5.726	PK
3			5855.000	62.856	57.110	-47.944	110.800	5.746	PK
4			5856.285	63.387	57.635	-47.053	110.440	5.751	PK
5			5875.000	58.307	52.487	-46.893	105.200	5.820	PK
6			5879.978	58.454	52.617	-43.628	102.082	5.837	PK
7			5925.000	56.296	50.330	-17.704	74.000	5.967	PK
8			5942.280	57.555	51.546	-16.445	74.000	6.009	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: 2016/08/14 - 17:48
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0	

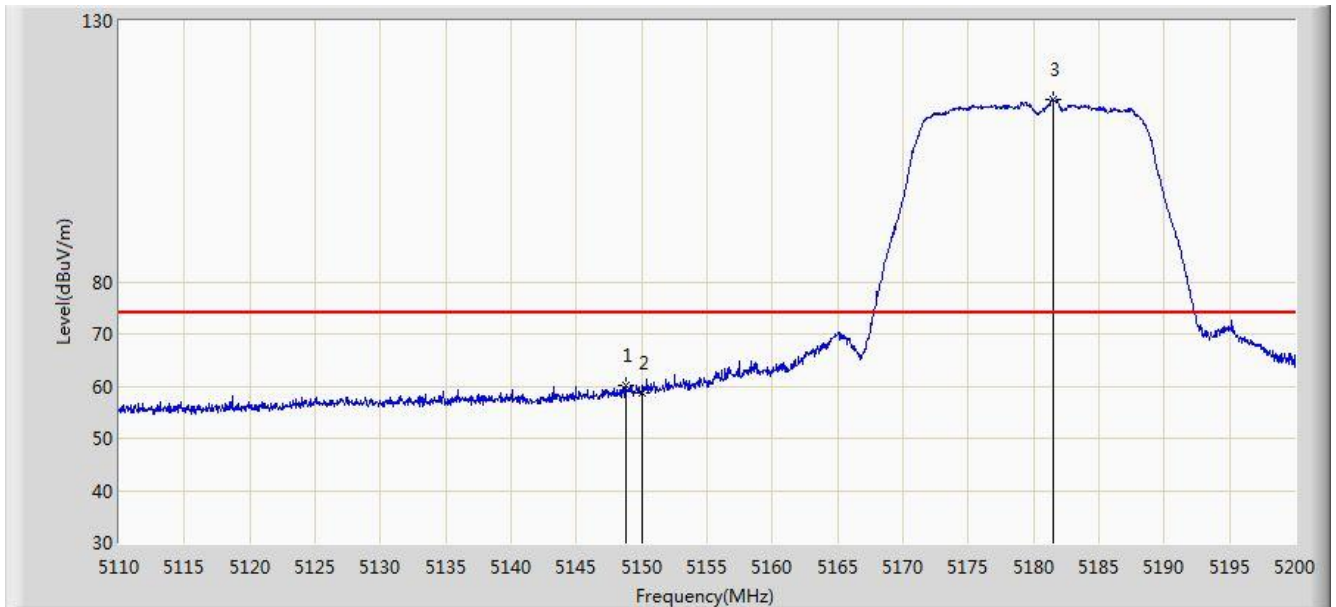


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5828.205	113.819	108.212	N/A	N/A	5.607	PK
2			5850.000	66.897	61.171	-55.303	122.200	5.726	PK
3			5855.000	61.961	56.215	-48.839	110.800	5.746	PK
4			5856.578	63.417	57.664	-46.941	110.357	5.753	PK
5			5875.000	56.646	50.826	-48.554	105.200	5.820	PK
6			5876.857	58.697	52.871	-45.339	104.036	5.826	PK
7			5925.000	55.491	49.525	-18.509	74.000	5.967	PK
8			5948.422	57.145	51.122	-16.855	74.000	6.023	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: 2016/08/14 - 17:49
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0	

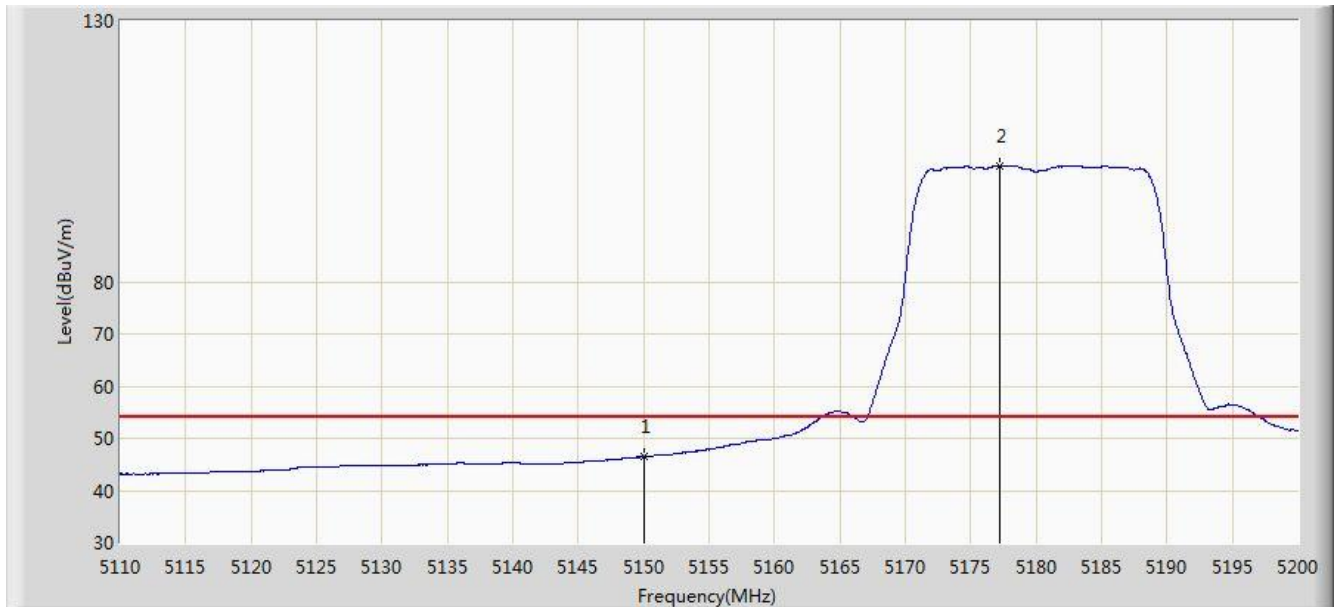


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.745	60.096	55.923	-13.904	74.000	4.174	PK
2			5150.000	58.833	54.664	-15.167	74.000	4.170	PK
3		*	5181.460	115.045	110.981	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2016/08/14 - 17:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0	

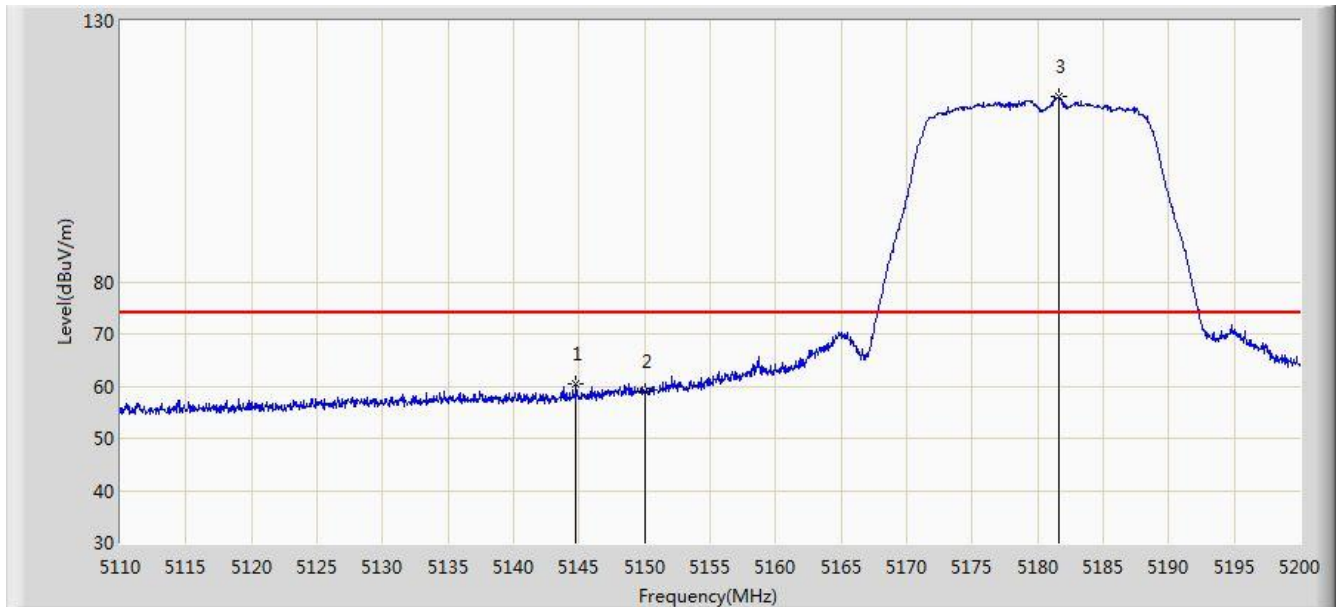


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.460	42.291	-7.540	54.000	4.170	AV
2		*	5177.185	102.244	98.165	N/A	N/A	4.078	AV

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

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

Site: AC1	Time: 2016/08/14 - 17:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0	

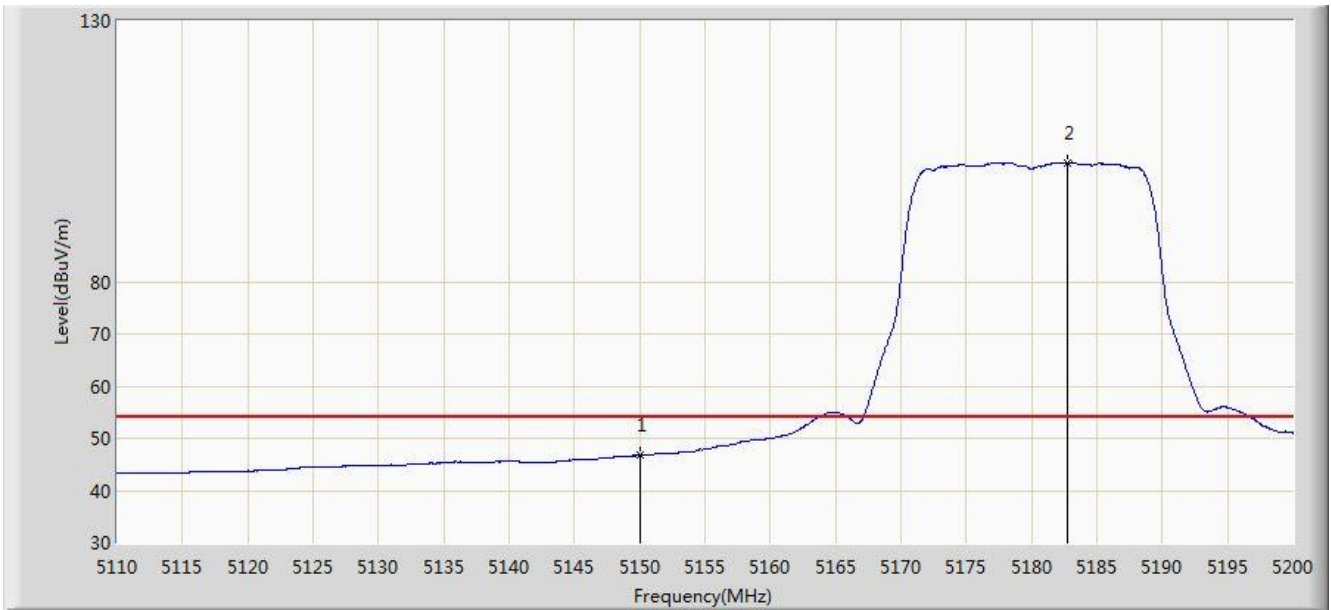


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.785	60.496	56.320	-13.504	74.000	4.175	PK
2			5150.000	59.033	54.864	-14.967	74.000	4.170	PK
3		*	5181.595	115.366	111.303	N/A	N/A	4.063	PK

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

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

Site: AC1	Time: 2016/08/14 - 17:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0	

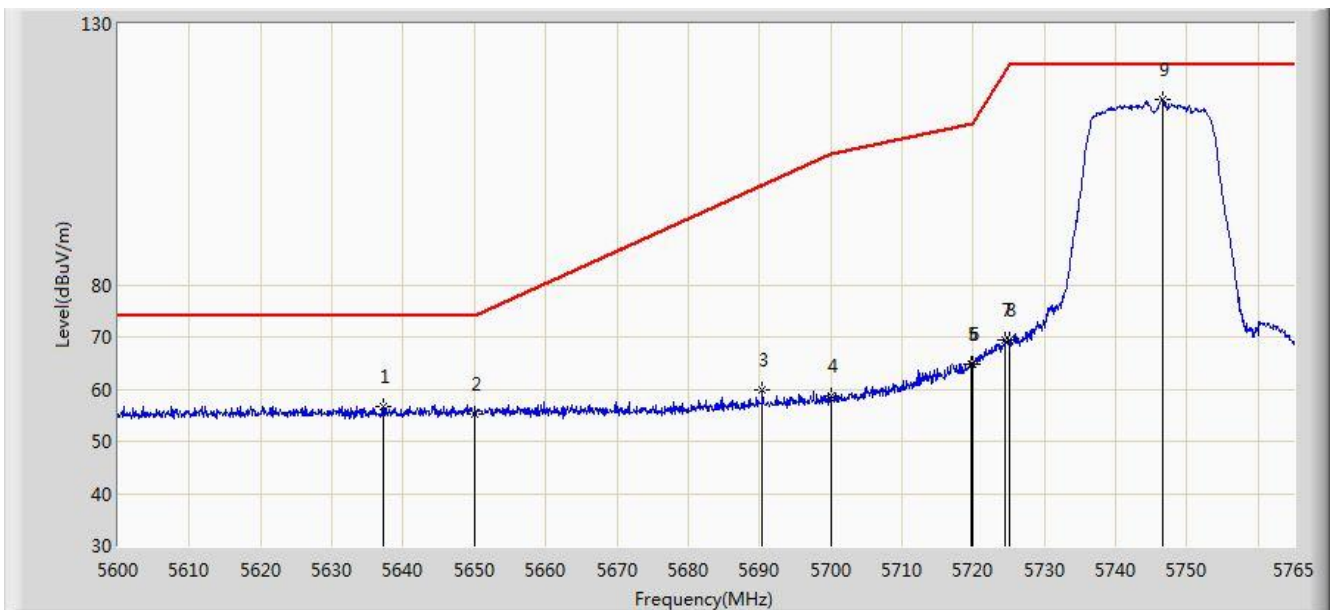


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.797	42.628	-7.203	54.000	4.170	AV
2		*	5182.720	102.845	98.786	N/A	N/A	4.060	AV

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: 2016/08/14 - 18:00
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0	

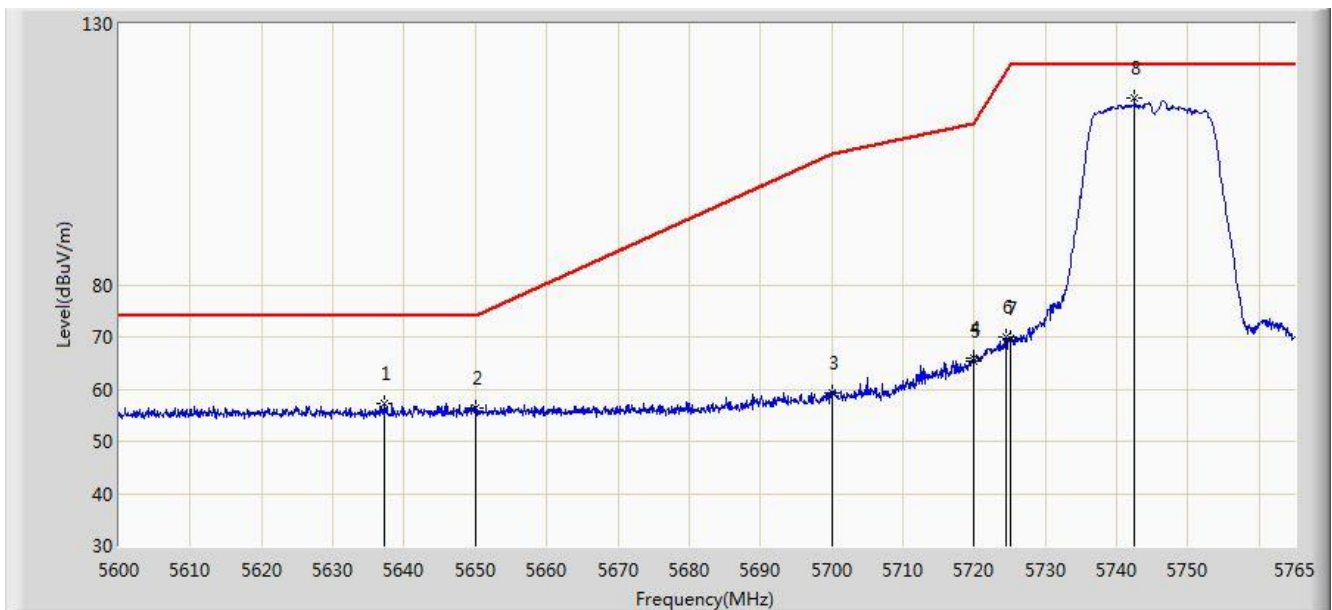


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5637.125	56.586	51.957	-17.414	74.000	4.630	PK
2			5650.000	55.091	50.420	-18.909	74.000	4.671	PK
3			5690.420	59.755	54.926	-39.488	99.243	4.829	PK
4			5700.000	58.657	53.779	-46.543	105.200	4.878	PK
5			5719.708	64.913	59.918	-45.805	110.718	4.995	PK
6			5720.000	64.843	59.846	-45.957	110.800	4.997	PK
7			5724.575	69.480	64.454	-51.751	121.231	5.026	PK
8			5725.000	69.298	64.269	-52.902	122.200	5.029	PK
9		*	5746.603	115.588	110.424	N/A	N/A	5.165	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: 2016/08/14 - 18:02
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0	

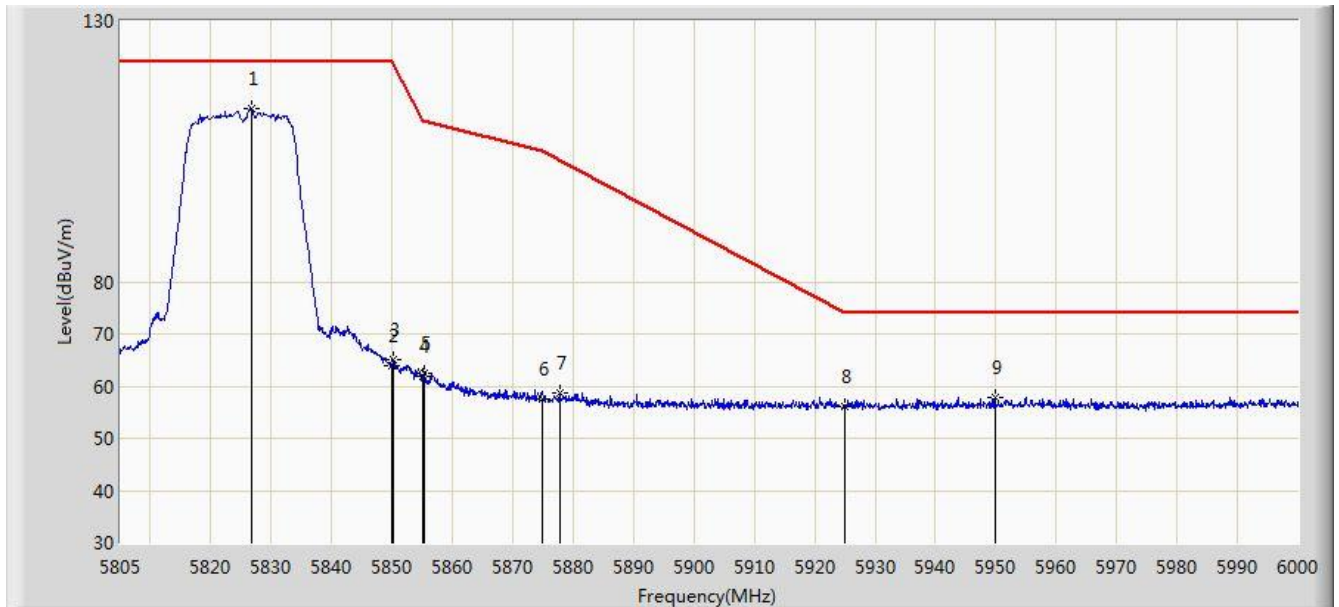


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5637.290	57.222	52.592	-16.778	74.000	4.630	PK
2			5650.000	56.399	51.728	-17.601	74.000	4.671	PK
3			5700.000	59.360	54.482	-45.840	105.200	4.878	PK
4			5719.873	65.965	60.969	-44.799	110.765	4.997	PK
5			5720.000	65.374	60.377	-45.426	110.800	4.997	PK
6			5724.493	70.124	65.098	-50.921	121.044	5.025	PK
7			5725.000	69.583	64.554	-52.617	122.200	5.029	PK
8		*	5742.560	115.932	110.791	N/A	N/A	5.140	PK

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

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

Site: AC1	Time: 2016/08/14 - 18:03
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0	

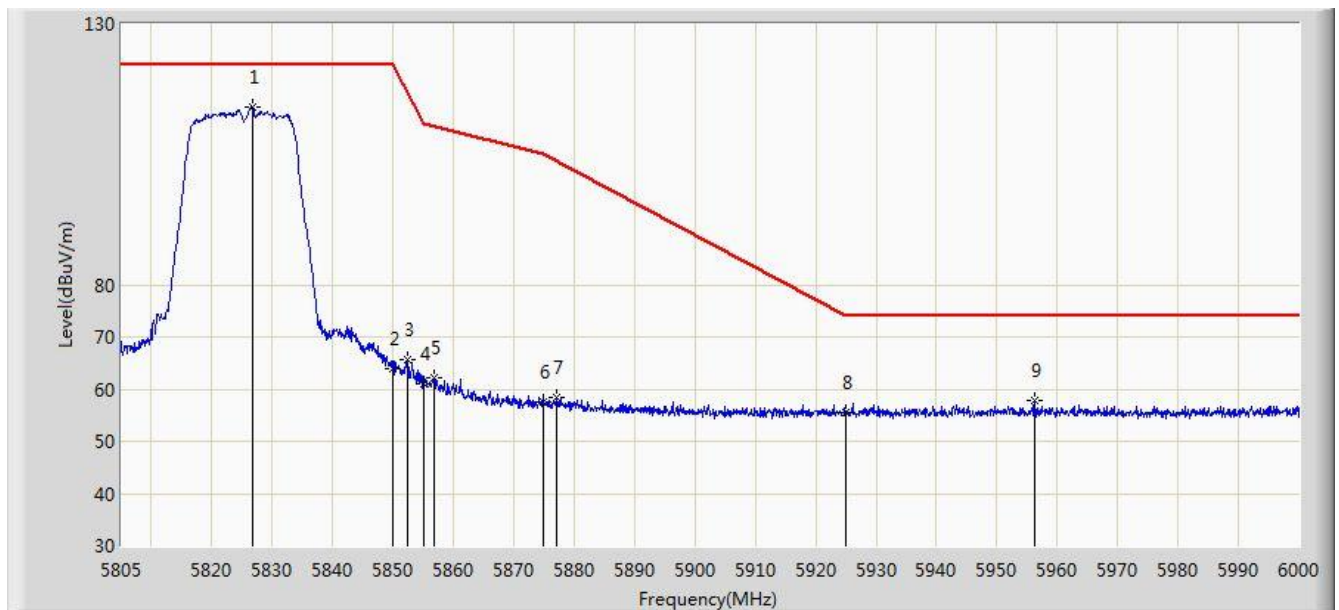


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.743	113.100	107.502	N/A	N/A	5.599	PK
2			5850.000	64.001	58.275	-58.199	122.200	5.726	PK
3			5850.240	65.117	59.390	-56.536	121.653	5.726	PK
4			5855.000	61.944	56.198	-48.856	110.800	5.746	PK
5			5855.408	62.608	56.860	-48.078	110.686	5.749	PK
6			5875.000	57.626	51.806	-47.574	105.200	5.820	PK
7			5877.735	58.759	52.930	-44.727	103.487	5.829	PK
8			5925.000	56.172	50.206	-17.828	74.000	5.967	PK
9			5949.788	57.810	51.784	-16.190	74.000	6.025	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: 2016/08/14 - 18:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0	

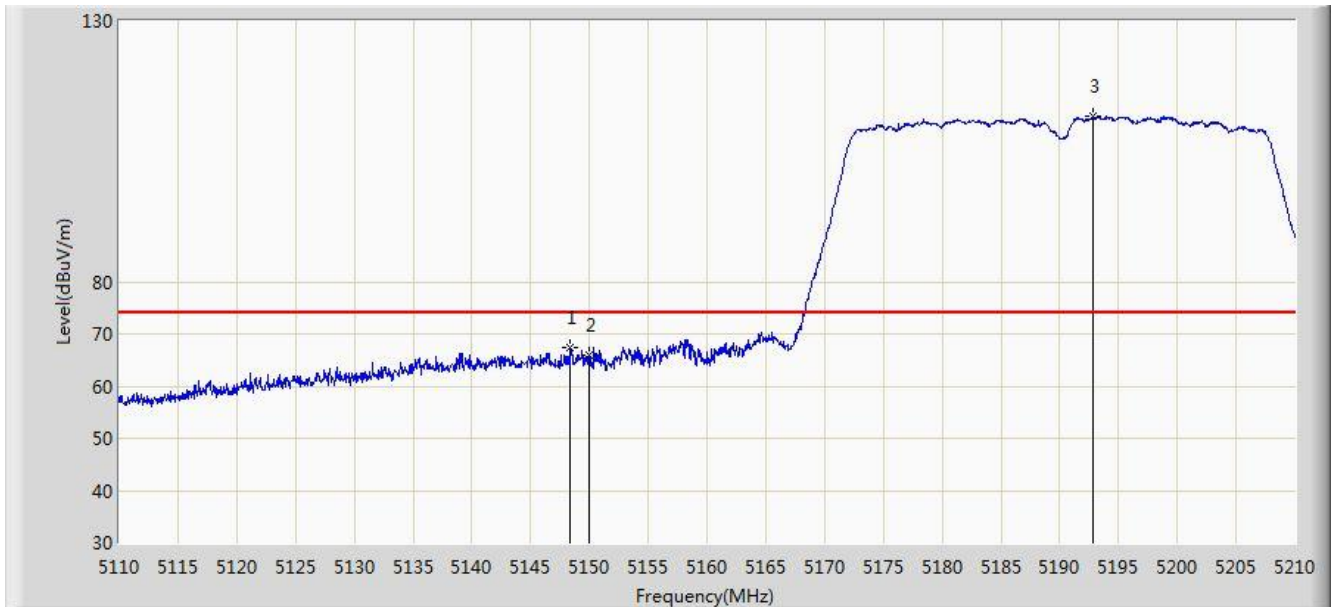


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.645	114.061	108.463	N/A	N/A	5.598	PK
2			5850.000	63.855	58.129	-58.345	122.200	5.726	PK
3			5852.385	65.513	59.778	-51.248	116.761	5.736	PK
4			5855.000	60.946	55.200	-49.854	110.800	5.746	PK
5			5856.772	62.153	56.399	-48.151	110.303	5.754	PK
6			5875.000	57.520	51.700	-47.680	105.200	5.820	PK
7			5877.150	58.490	52.663	-45.363	103.853	5.827	PK
8			5925.000	55.564	49.598	-18.436	74.000	5.967	PK
9			5956.223	57.852	51.815	-16.148	74.000	6.037	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: 2016/08/14 - 18:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0	

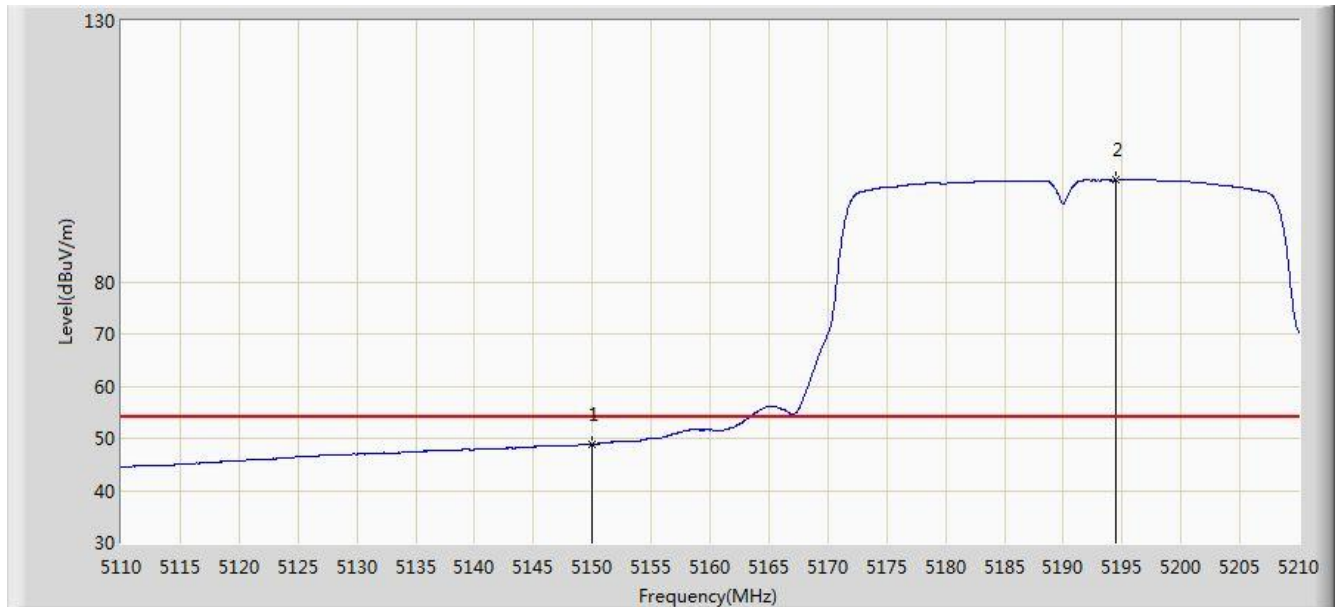


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.400	67.472	63.298	-6.528	74.000	4.174	PK
2			5150.000	65.817	61.648	-8.183	74.000	4.170	PK
3		*	5192.800	111.687	107.664	N/A	N/A	4.023	PK

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

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

Site: AC1	Time: 2016/08/14 - 18:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0	

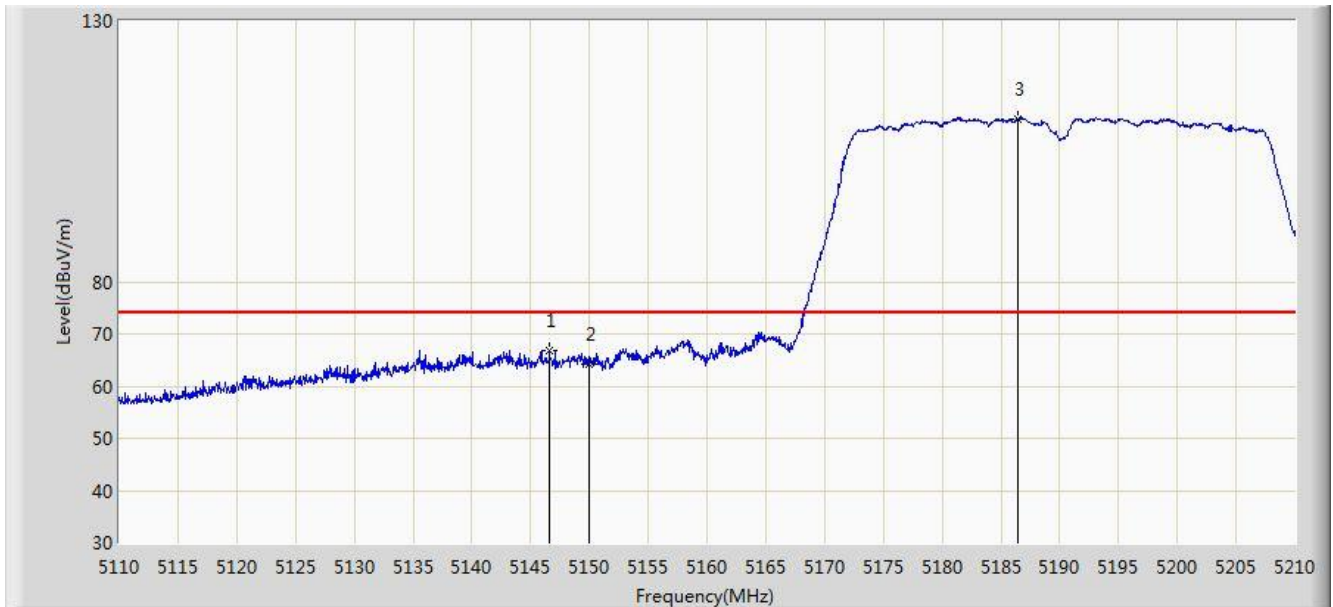


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.860	44.691	-5.140	54.000	4.170	AV
2		*	5194.400	99.431	95.413	N/A	N/A	4.018	AV

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

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

Site: AC1	Time: 2016/08/14 - 18:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0	

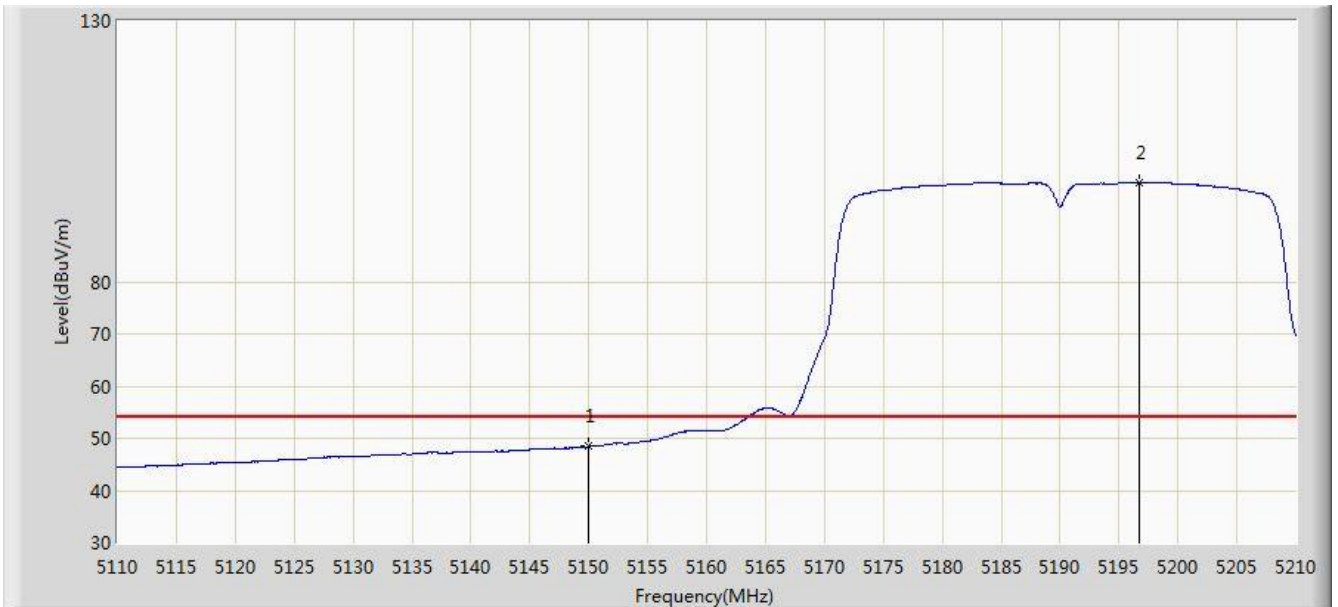


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.600	66.952	62.776	-7.048	74.000	4.176	PK
2			5150.000	64.309	60.140	-9.691	74.000	4.170	PK
3		*	5186.500	111.218	107.172	N/A	N/A	4.046	PK

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

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

Site: AC1	Time: 2016/08/14 - 18:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0	

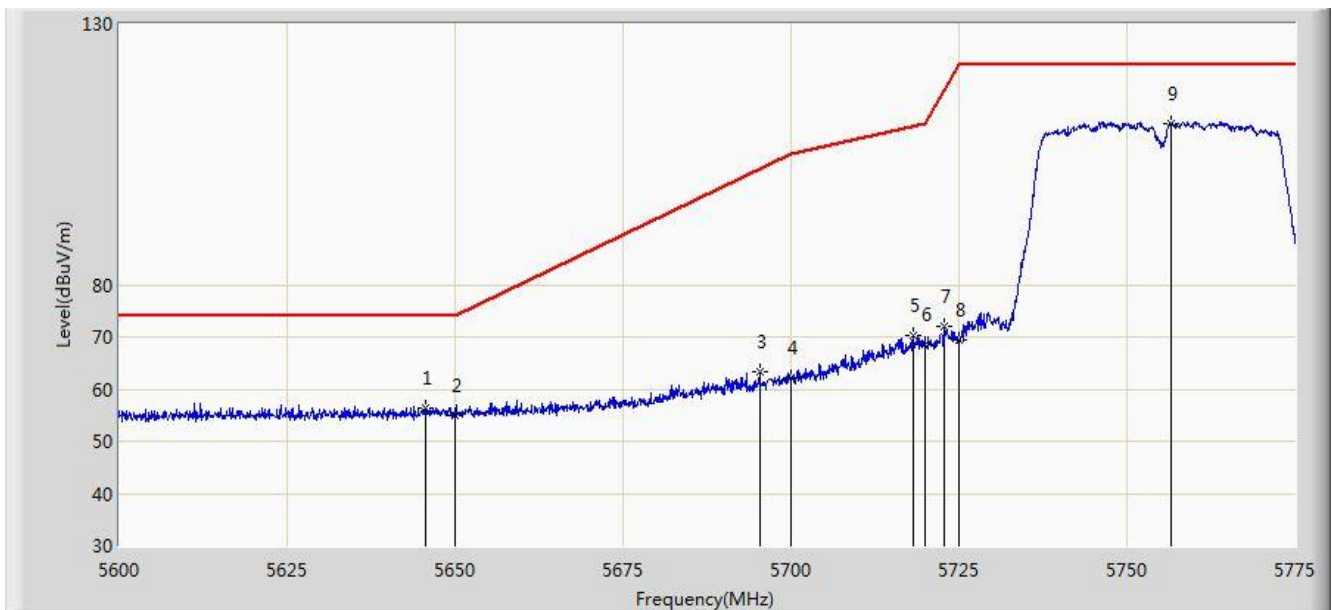


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.425	44.256	-5.575	54.000	4.170	AV
2		*	5196.750	99.035	95.026	N/A	N/A	4.010	AV

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

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

Site: AC1	Time: 2016/08/14 - 18:23
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0	

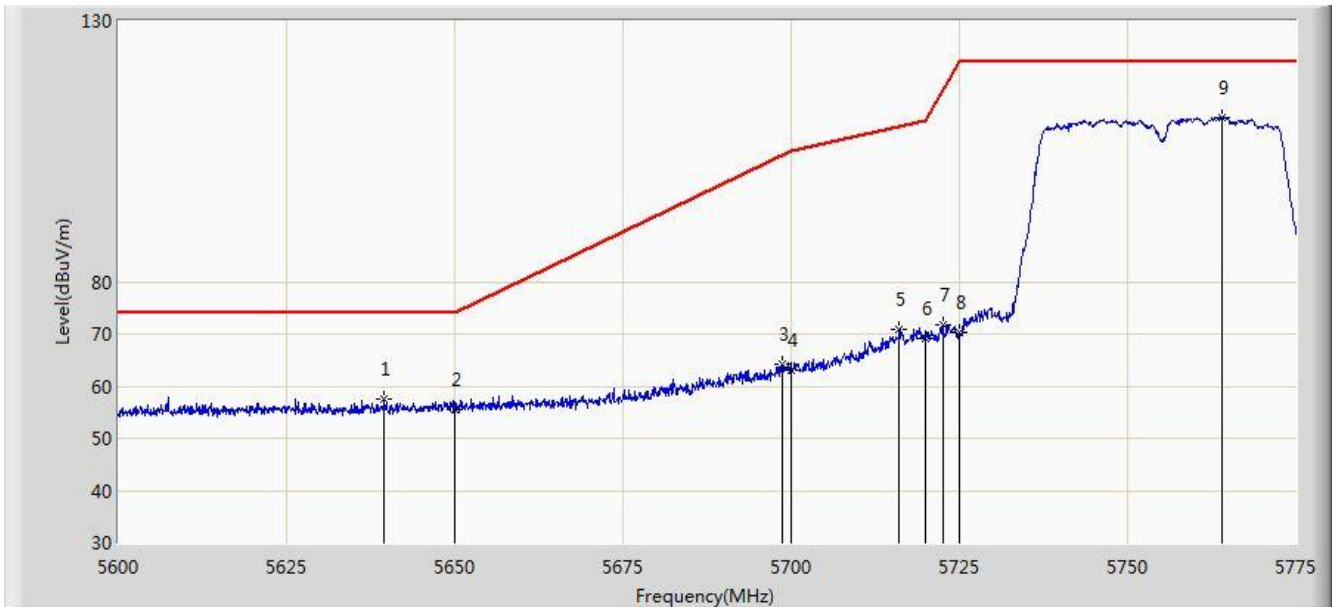


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5645.587	56.322	51.666	-17.678	74.000	4.657	PK
2			5650.000	54.802	50.131	-19.198	74.000	4.671	PK
3			5695.288	63.203	58.350	-39.068	102.271	4.853	PK
4			5700.000	62.188	57.310	-43.012	105.200	4.878	PK
5			5718.300	70.278	65.292	-40.047	110.325	4.986	PK
6			5720.000	68.572	63.575	-42.228	110.800	4.997	PK
7			5722.850	71.939	66.924	-45.360	117.299	5.015	PK
8			5725.000	69.399	64.370	-52.801	122.200	5.029	PK
9		*	5756.538	110.965	105.745	N/A	N/A	5.220	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: 2016/08/14 - 18:24
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0	

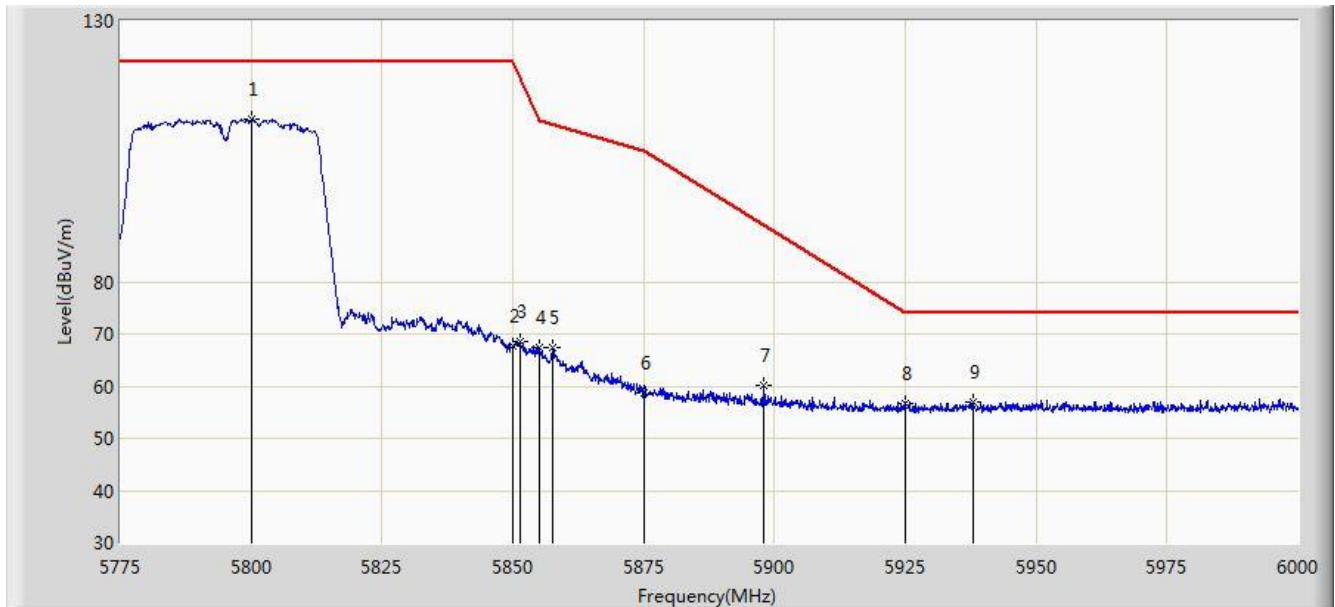


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5639.550	57.667	53.030	-16.333	74.000	4.637	PK
2			5650.000	55.607	50.936	-18.393	74.000	4.671	PK
3			5698.700	64.317	59.446	-40.075	104.392	4.872	PK
4			5700.000	63.118	58.240	-42.082	105.200	4.878	PK
5			5716.025	70.909	65.938	-38.779	109.689	4.971	PK
6			5720.000	69.067	64.070	-41.733	110.800	4.997	PK
7			5722.500	71.792	66.779	-44.709	116.501	5.014	PK
8			5725.000	70.200	65.171	-52.000	122.200	5.029	PK
9		*	5763.975	111.569	106.309	N/A	N/A	5.260	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: 2016/08/14 - 18:25
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0	

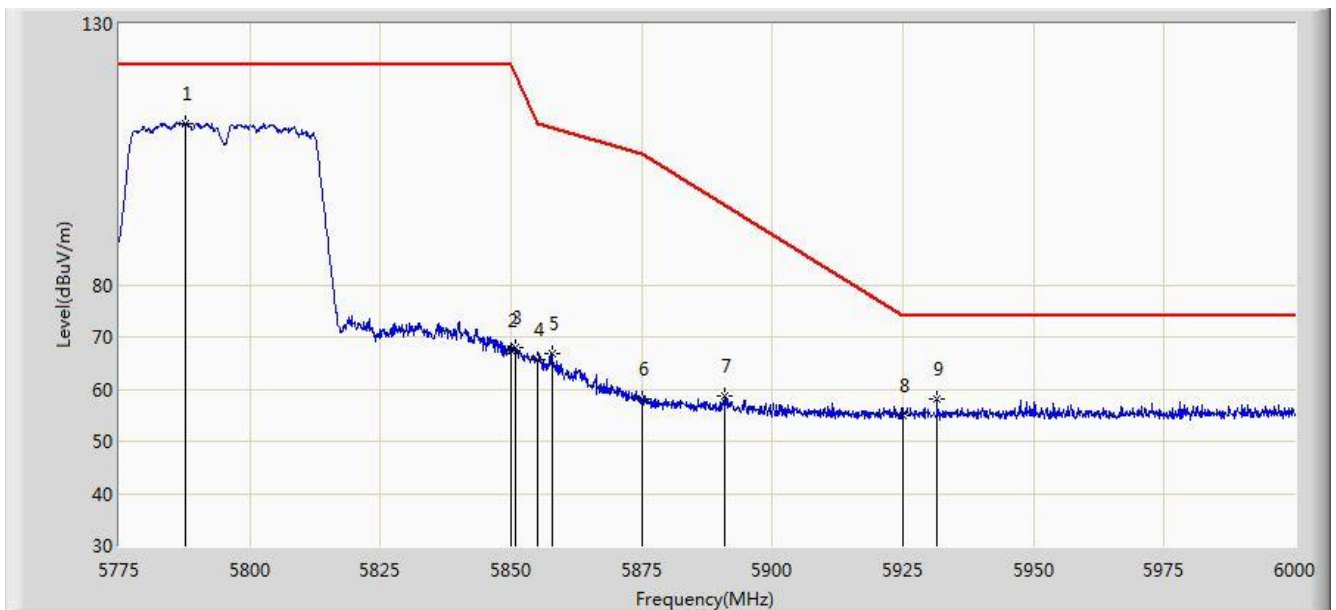


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5800.200	111.019	105.573	N/A	N/A	5.446	PK
2			5850.000	67.713	61.987	-54.487	122.200	5.726	PK
3			5851.275	68.477	62.746	-50.815	119.292	5.731	PK
4			5855.000	67.368	61.622	-43.432	110.800	5.746	PK
5			5857.687	67.496	61.739	-42.550	110.047	5.757	PK
6			5875.000	58.563	52.743	-46.637	105.200	5.820	PK
7			5897.962	60.188	54.290	-30.651	90.839	5.898	PK
8			5925.000	56.565	50.599	-17.435	74.000	5.967	PK
9			5938.013	57.022	51.023	-16.978	74.000	5.998	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: 2016/08/14 - 18:27
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0	

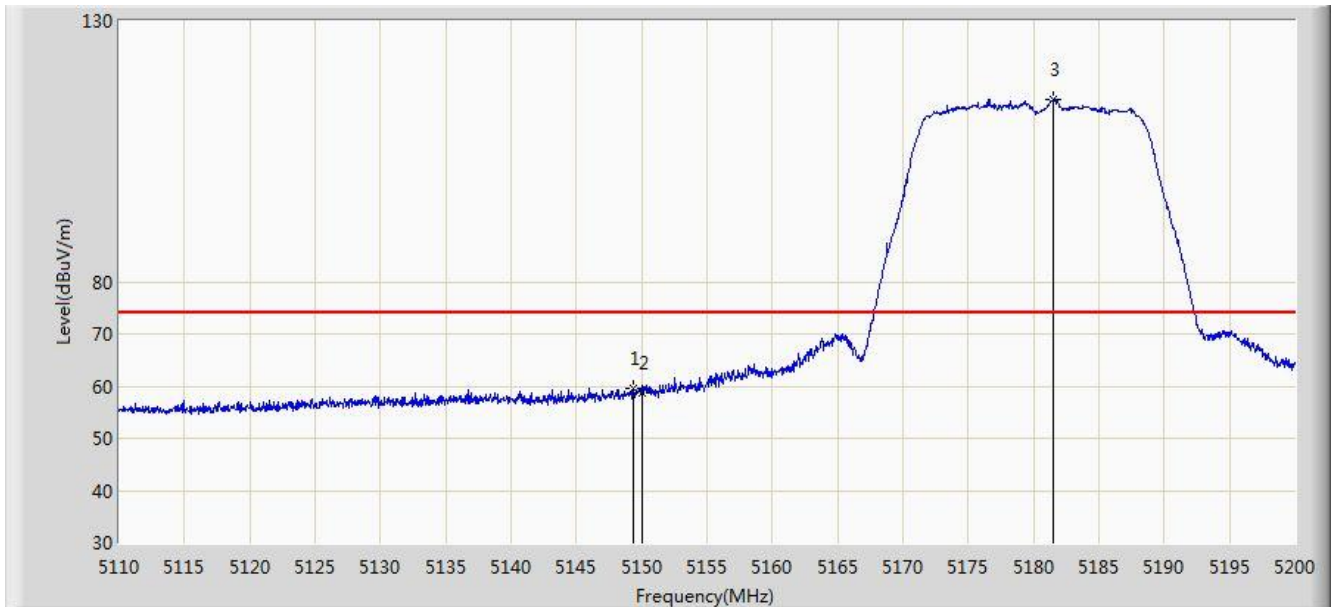


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5787.825	110.904	105.523	N/A	N/A	5.381	PK
2			5850.000	67.331	61.605	-54.869	122.200	5.726	PK
3			5850.937	68.105	62.376	-51.957	120.063	5.729	PK
4			5855.000	65.510	59.764	-45.290	110.800	5.746	PK
5			5857.913	66.702	60.944	-43.281	109.983	5.759	PK
6			5875.000	58.126	52.306	-47.074	105.200	5.820	PK
7			5890.987	58.634	52.759	-36.562	95.195	5.875	PK
8			5925.000	54.910	48.944	-19.090	74.000	5.967	PK
9			5931.487	58.155	52.172	-15.845	74.000	5.982	PK

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

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

Site: AC1	Time: 2016/08/14 - 18:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0	

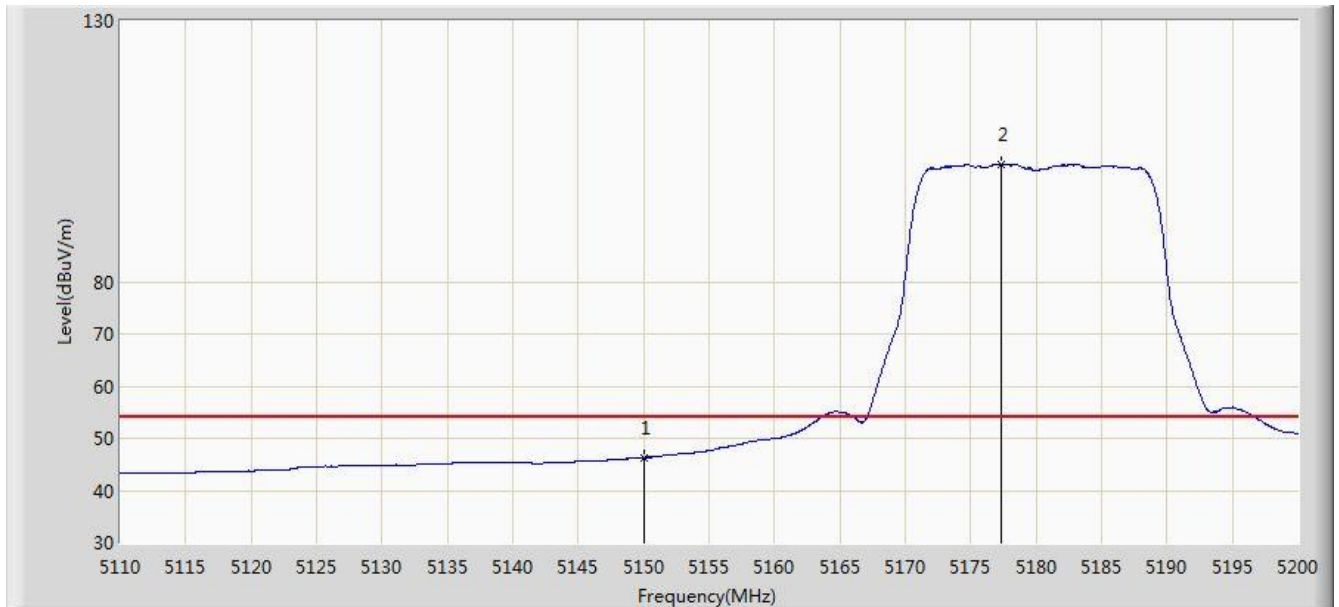


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.330	59.503	55.332	-14.497	74.000	4.171	PK
2			5150.000	58.600	54.431	-15.400	74.000	4.170	PK
3		*	5181.505	114.960	110.897	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2016/08/14 - 18:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0	

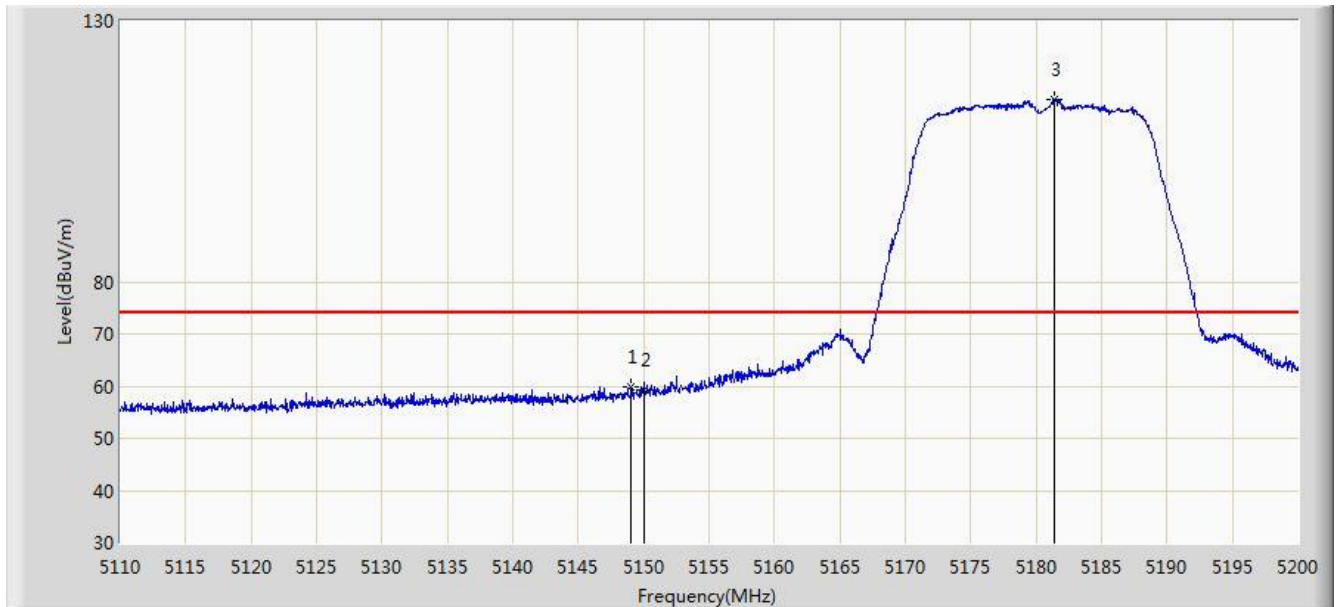


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.290	42.121	-7.710	54.000	4.170	AV
2		*	5177.320	102.527	98.449	N/A	N/A	4.078	AV

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

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

Site: AC1	Time: 2016/08/14 - 18:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0	

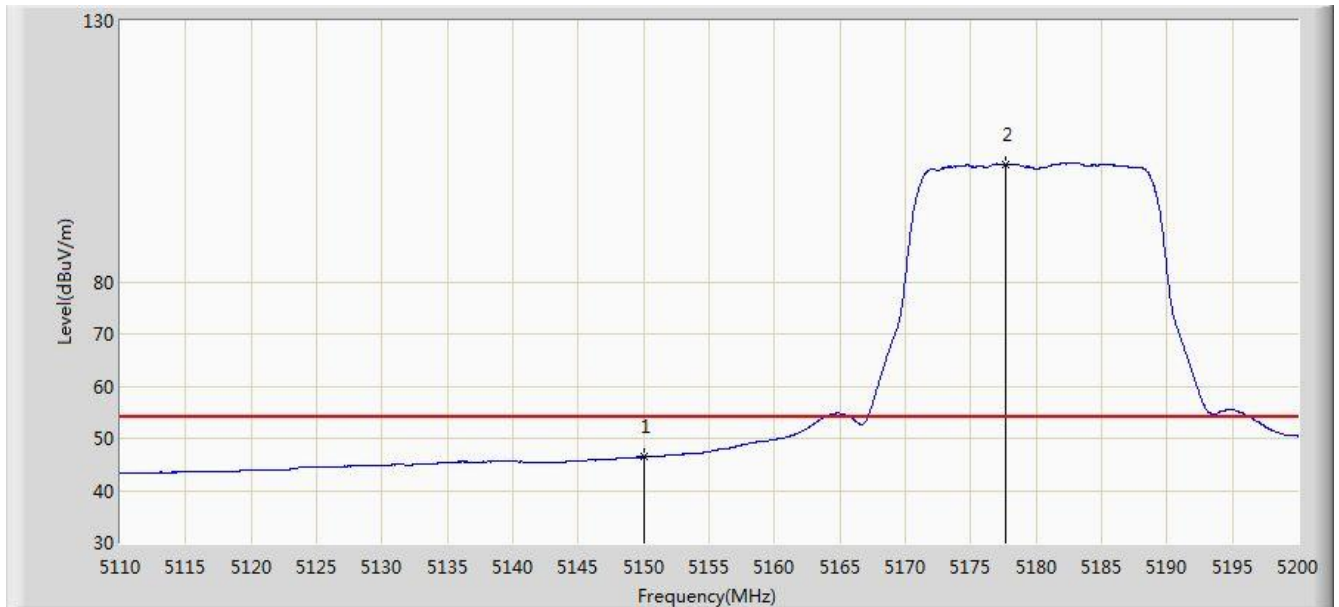


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.060	59.792	55.620	-14.208	74.000	4.173	PK
2			5150.000	59.169	55.000	-14.831	74.000	4.170	PK
3		*	5181.415	114.974	110.910	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2016/08/14 - 18:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0	

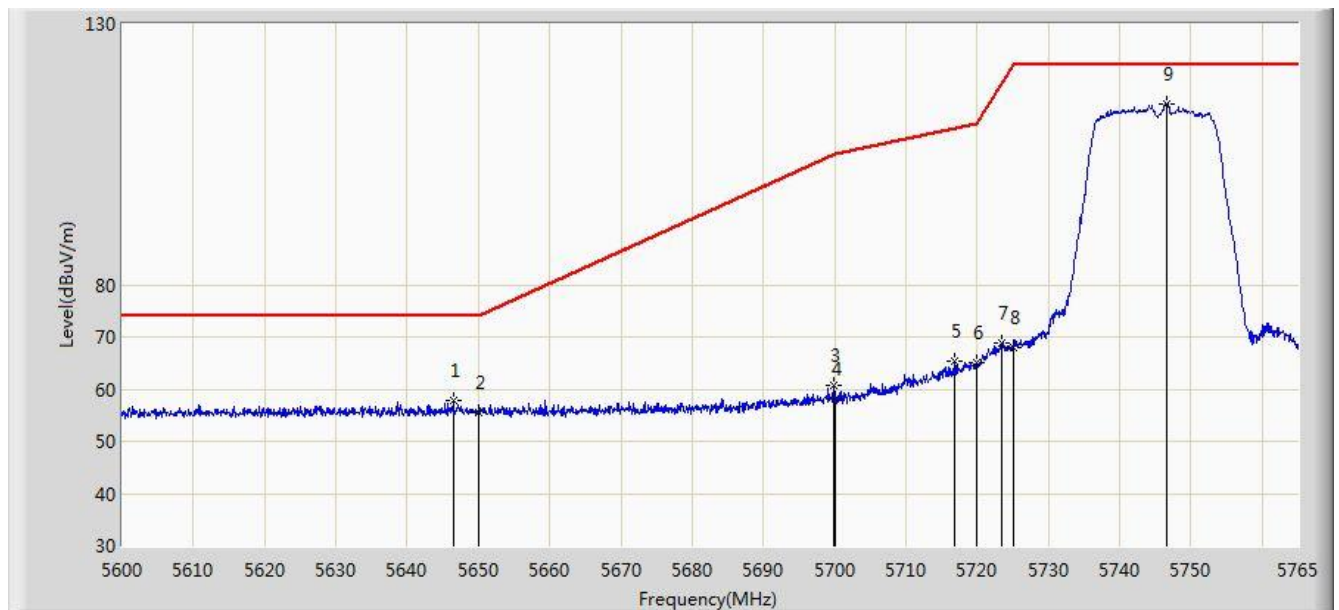


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.436	42.267	-7.564	54.000	4.170	AV
2		*	5177.680	102.527	98.450	N/A	N/A	4.077	AV

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

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

Site: AC1	Time: 2016/08/14 - 18:41
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0	

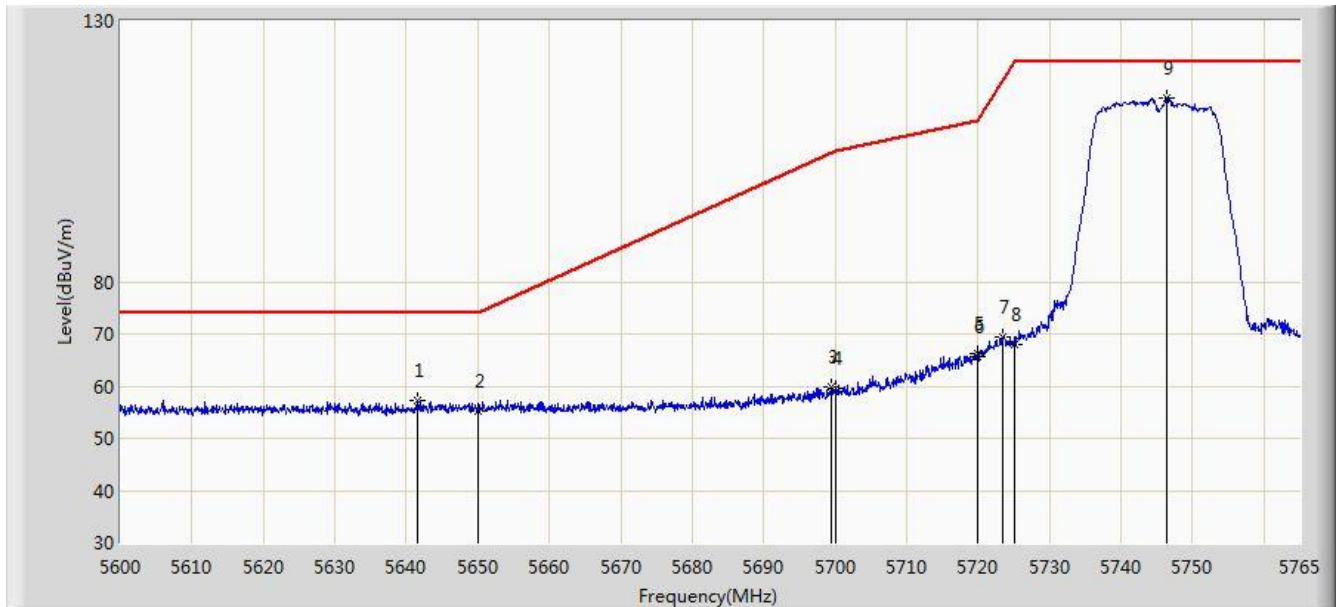


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5646.447	57.686	53.027	-16.314	74.000	4.659	PK
2			5650.000	55.638	50.967	-18.362	74.000	4.671	PK
3			5699.908	60.663	55.785	-44.480	105.143	4.878	PK
4			5700.000	57.979	53.101	-47.221	105.200	4.878	PK
5			5716.737	65.416	60.440	-44.472	109.888	4.976	PK
6			5720.000	65.006	60.009	-45.794	110.800	4.997	PK
7			5723.420	68.826	63.807	-49.773	118.599	5.019	PK
8			5725.000	67.842	62.813	-54.358	122.200	5.029	PK
9		*	5746.685	114.768	109.603	N/A	N/A	5.165	PK

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

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

Site: AC1	Time: 2016/08/14 - 18:42
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0	

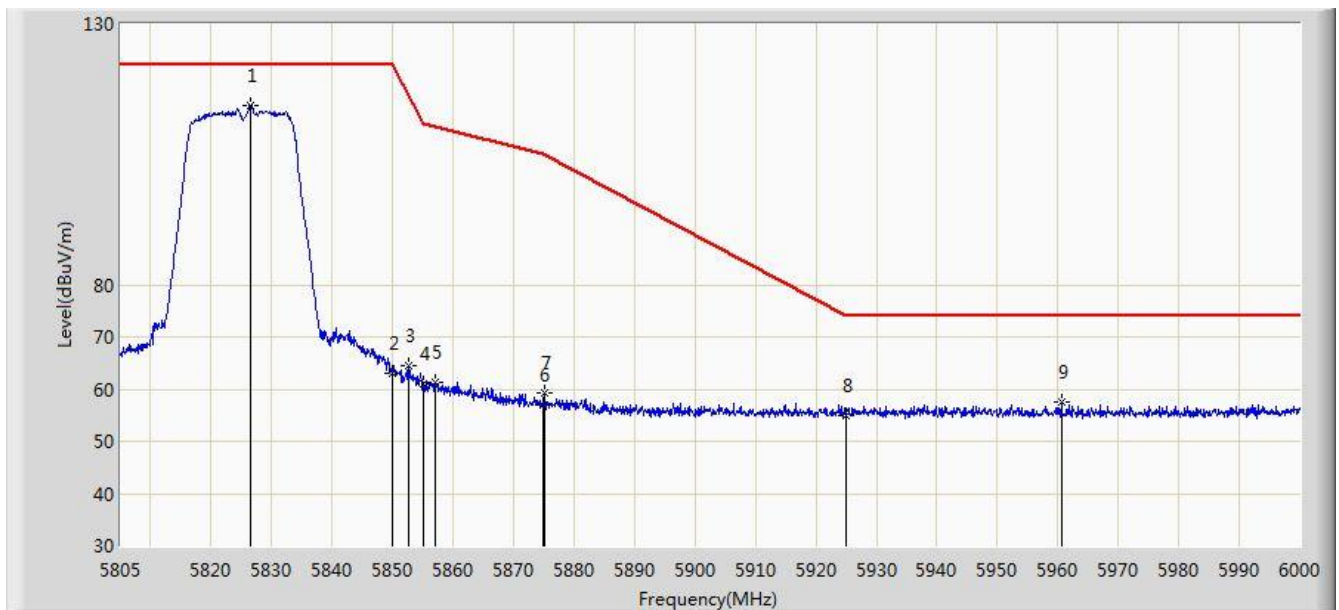


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5641.663	57.316	52.673	-16.684	74.000	4.643	PK
2			5650.000	55.222	50.551	-18.778	74.000	4.671	PK
3			5699.413	59.978	55.103	-44.857	104.835	4.875	PK
4			5700.000	59.647	54.769	-45.553	105.200	4.878	PK
5			5719.873	66.135	61.139	-44.629	110.765	4.997	PK
6			5720.000	65.607	60.610	-45.193	110.800	4.997	PK
7			5723.502	69.451	64.432	-49.334	118.786	5.019	PK
8			5725.000	68.114	63.085	-54.086	122.200	5.029	PK
9		*	5746.355	115.281	110.118	N/A	N/A	5.163	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: 2016/08/14 - 18:43
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0	

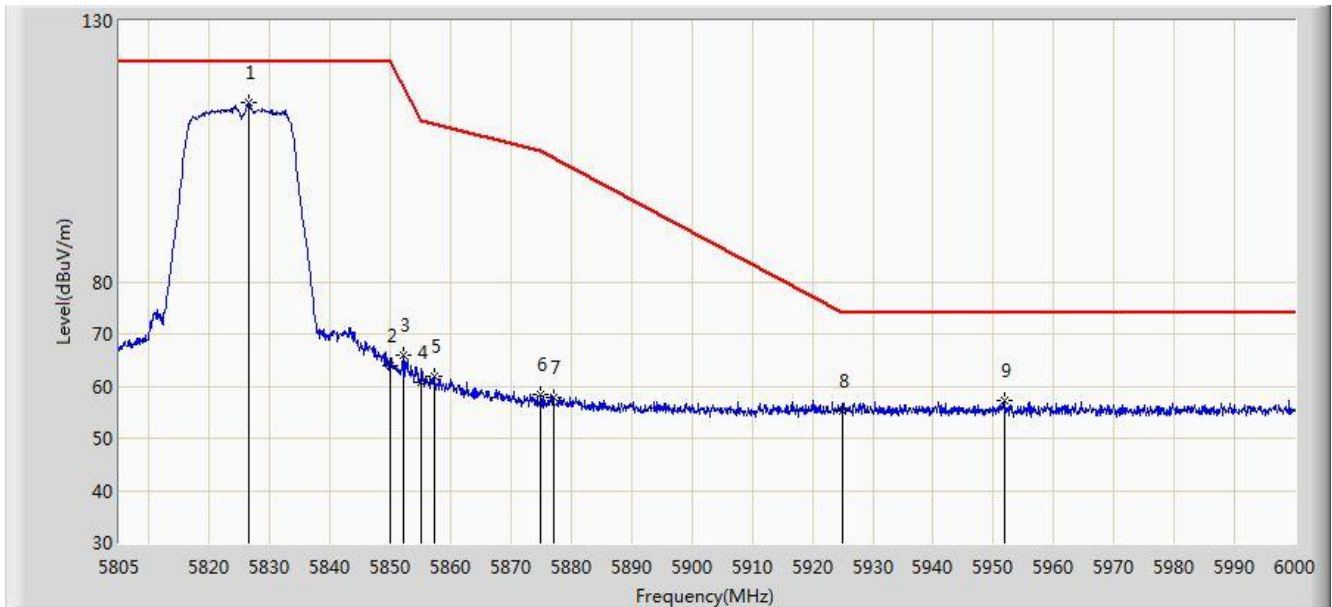


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.450	114.343	108.747	N/A	N/A	5.596	PK
2			5850.000	63.184	57.458	-59.016	122.200	5.726	PK
3			5852.580	64.418	58.682	-51.898	116.316	5.736	PK
4			5855.000	60.934	55.188	-49.866	110.800	5.746	PK
5			5857.163	61.389	55.634	-48.804	110.193	5.755	PK
6			5875.000	56.920	51.100	-48.280	105.200	5.820	PK
7			5875.103	59.305	53.485	-45.830	105.135	5.820	PK
8			5925.000	55.011	49.045	-18.989	74.000	5.967	PK
9			5960.610	57.436	51.391	-16.564	74.000	6.045	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: 2016/08/14 - 18:44
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0	

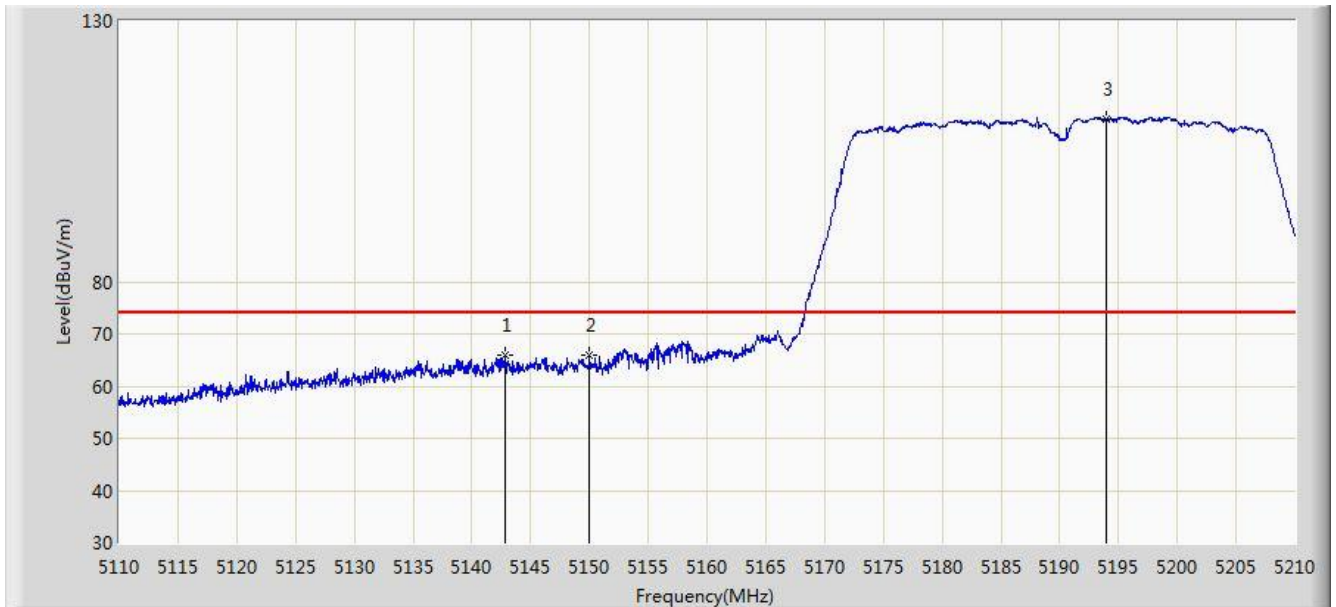


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.547	114.280	108.683	N/A	N/A	5.596	PK
2			5850.000	63.842	58.116	-58.358	122.200	5.726	PK
3			5852.092	65.842	60.108	-51.587	117.429	5.734	PK
4			5855.000	60.597	54.851	-50.203	110.800	5.746	PK
5			5857.260	61.974	56.218	-48.193	110.166	5.756	PK
6			5875.000	58.340	52.520	-46.860	105.200	5.820	PK
7			5877.053	57.825	51.998	-46.089	103.914	5.827	PK
8			5925.000	55.255	49.289	-18.745	74.000	5.967	PK
9			5951.933	57.316	51.286	-16.684	74.000	6.030	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: 2016/08/14 - 18:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0	

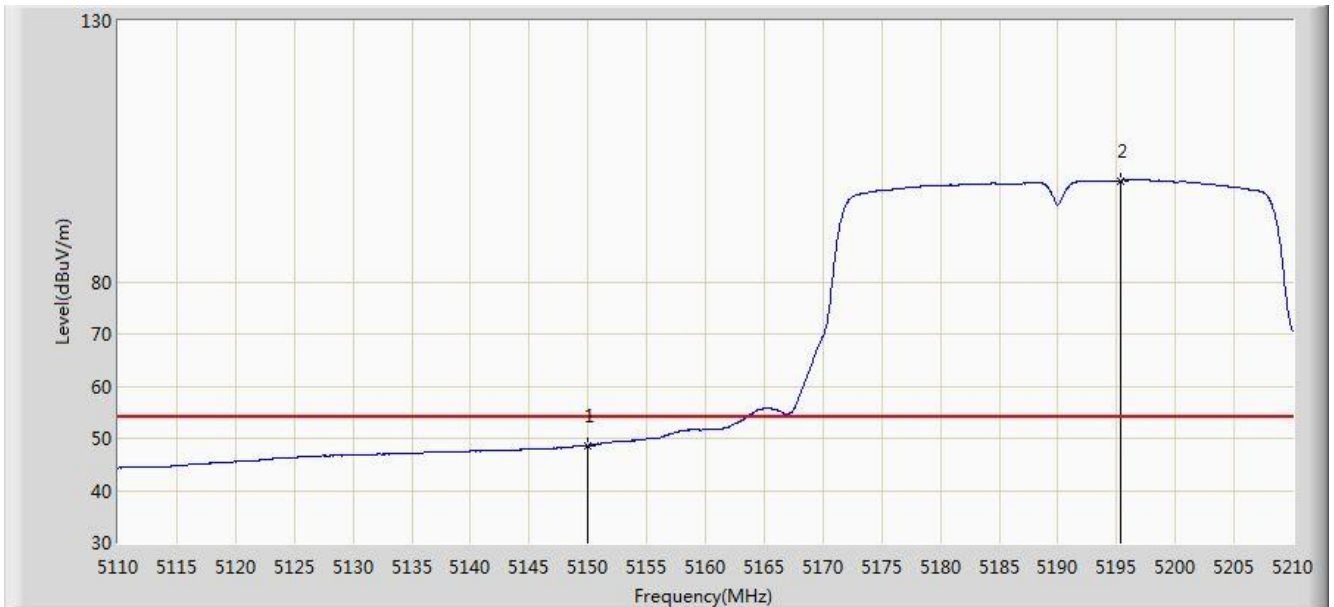


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.850	66.007	61.831	-7.993	74.000	4.176	PK
2			5150.000	65.840	61.671	-8.160	74.000	4.170	PK
3		*	5194.000	111.294	107.275	N/A	N/A	4.019	PK

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

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

Site: AC1	Time: 2016/08/14 - 18:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0	

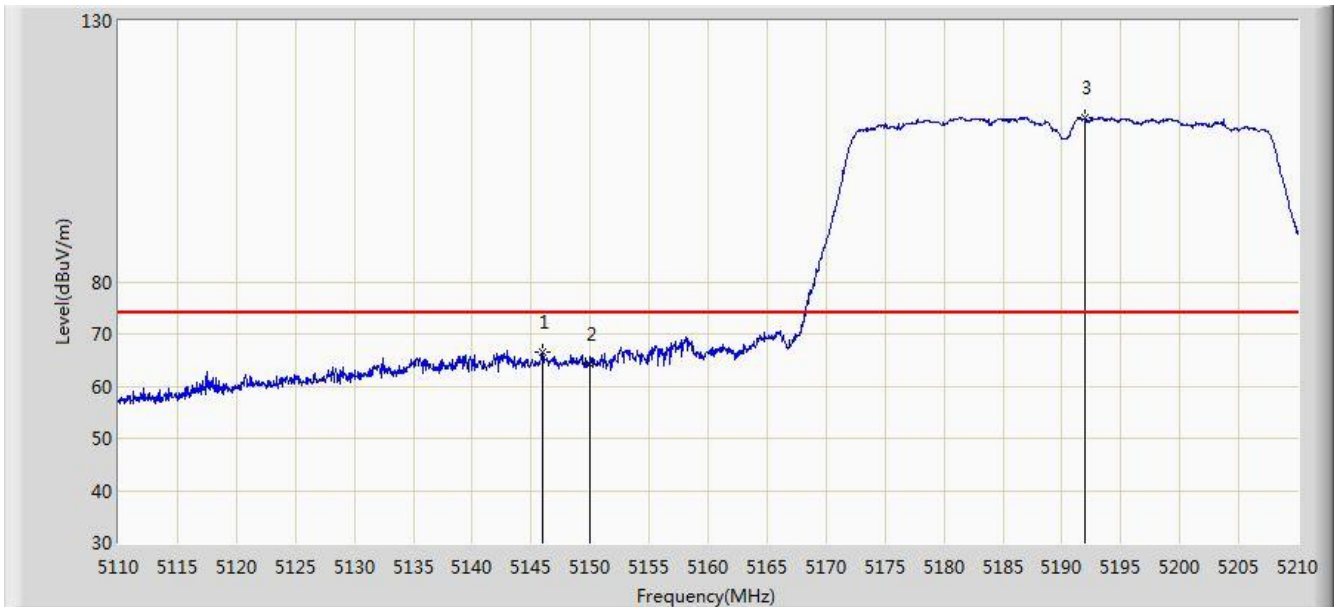


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.632	44.463	-5.368	54.000	4.170	AV
2		*	5195.400	99.413	95.399	N/A	N/A	4.013	AV

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

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

Site: AC1	Time: 2016/08/14 - 18:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0	

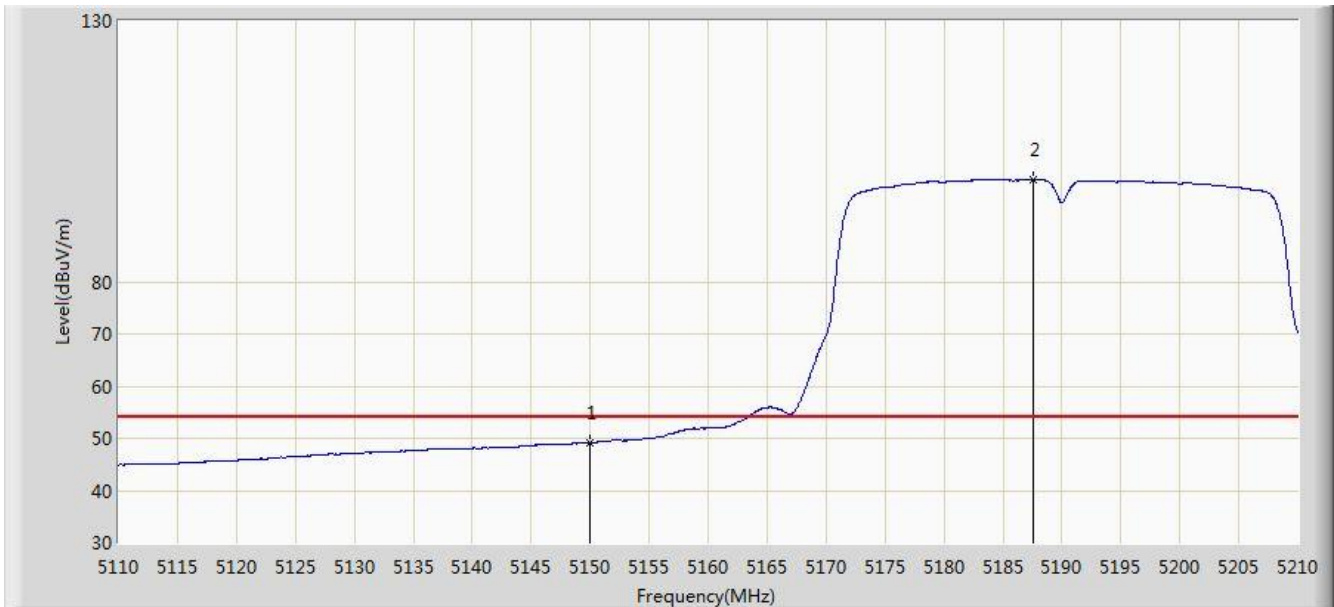


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.000	66.527	62.351	-7.473	74.000	4.176	PK
2			5150.000	64.144	59.975	-9.856	74.000	4.170	PK
3		*	5191.900	111.364	107.337	N/A	N/A	4.027	PK

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: 2016/08/14 - 18:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0	

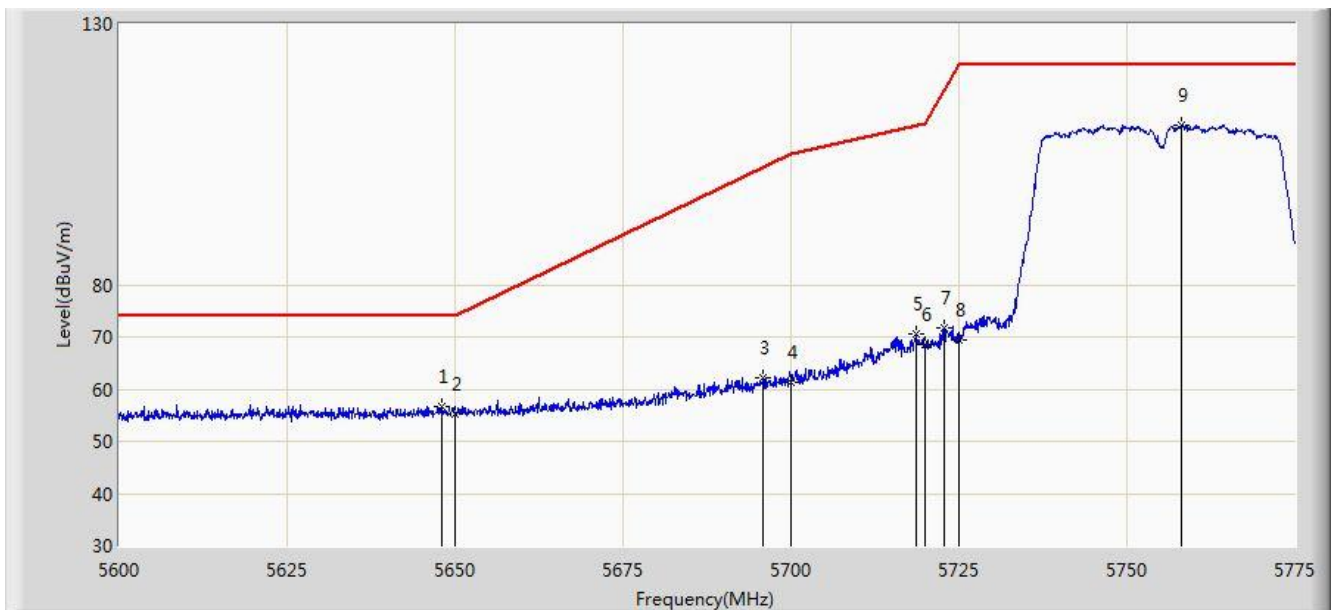


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.147	44.978	-4.853	54.000	4.170	AV
2		*	5187.550	99.522	95.480	N/A	N/A	4.042	AV

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: 2016/08/14 - 18:57
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0	

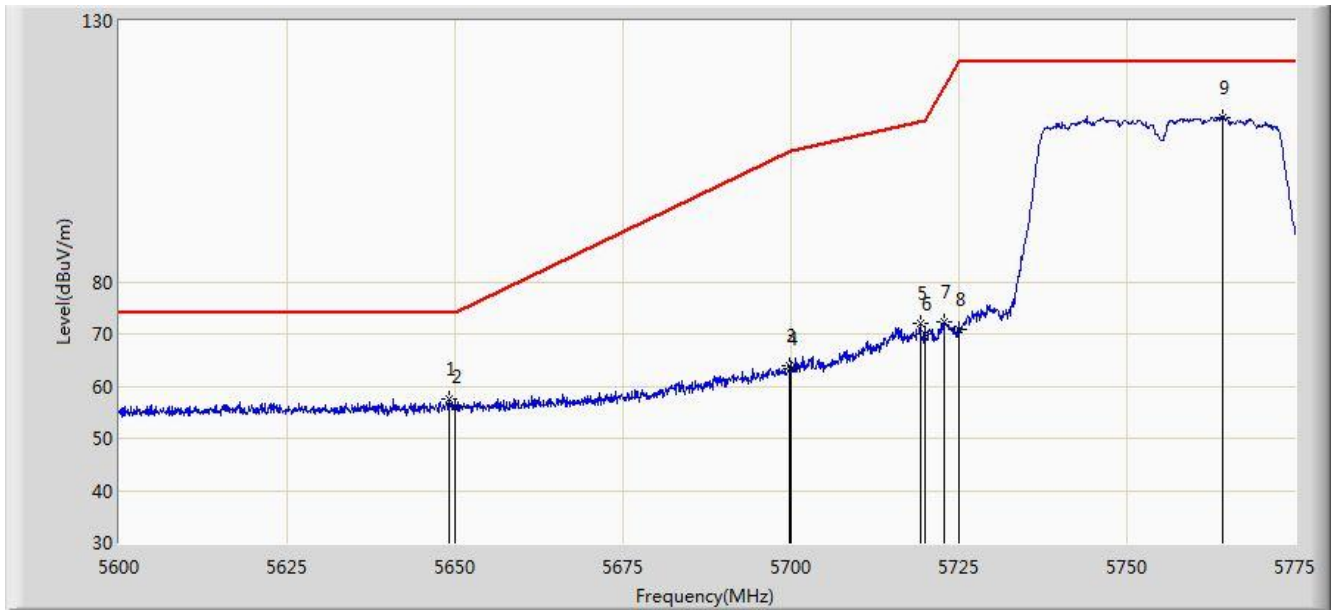


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.950	56.604	51.940	-17.396	74.000	4.665	PK
2			5650.000	55.111	50.440	-18.889	74.000	4.671	PK
3			5695.812	62.278	57.422	-40.319	102.597	4.857	PK
4			5700.000	61.226	56.348	-43.974	105.200	4.878	PK
5			5718.737	70.571	65.582	-39.876	110.447	4.989	PK
6			5720.000	68.687	63.690	-42.113	110.800	4.997	PK
7			5722.763	71.672	66.657	-45.429	117.101	5.015	PK
8			5725.000	69.549	64.520	-52.651	122.200	5.029	PK
9		*	5758.025	110.436	105.207	N/A	N/A	5.229	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: 2016/08/14 - 18:58
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0	

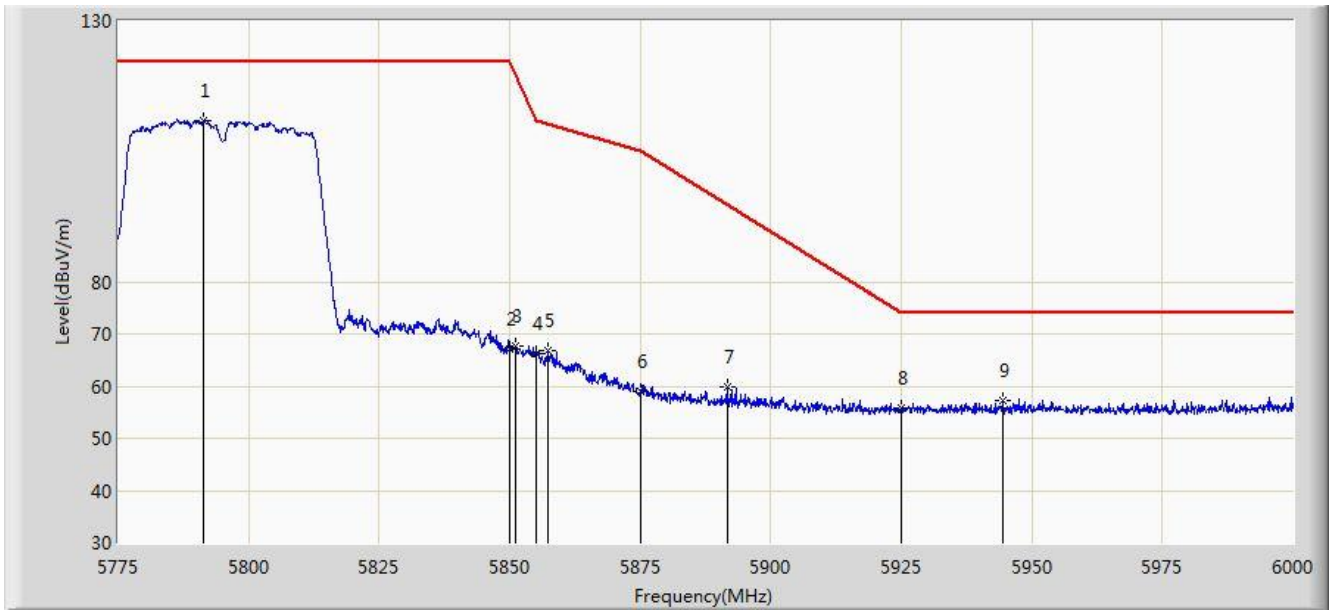


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5649.175	57.419	52.751	-16.581	74.000	4.669	PK
2			5650.000	56.177	51.506	-17.823	74.000	4.671	PK
3			5699.837	64.018	59.141	-41.080	105.099	4.878	PK
4			5700.000	63.259	58.381	-41.941	105.200	4.878	PK
5			5719.263	72.032	67.040	-38.562	110.594	4.992	PK
6			5720.000	70.079	65.082	-40.721	110.800	4.997	PK
7			5722.850	72.344	67.329	-44.955	117.299	5.015	PK
8			5725.000	70.960	65.931	-51.240	122.200	5.029	PK
9		*	5764.325	111.548	106.286	N/A	N/A	5.262	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: 2016/08/14 - 19:00
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0	

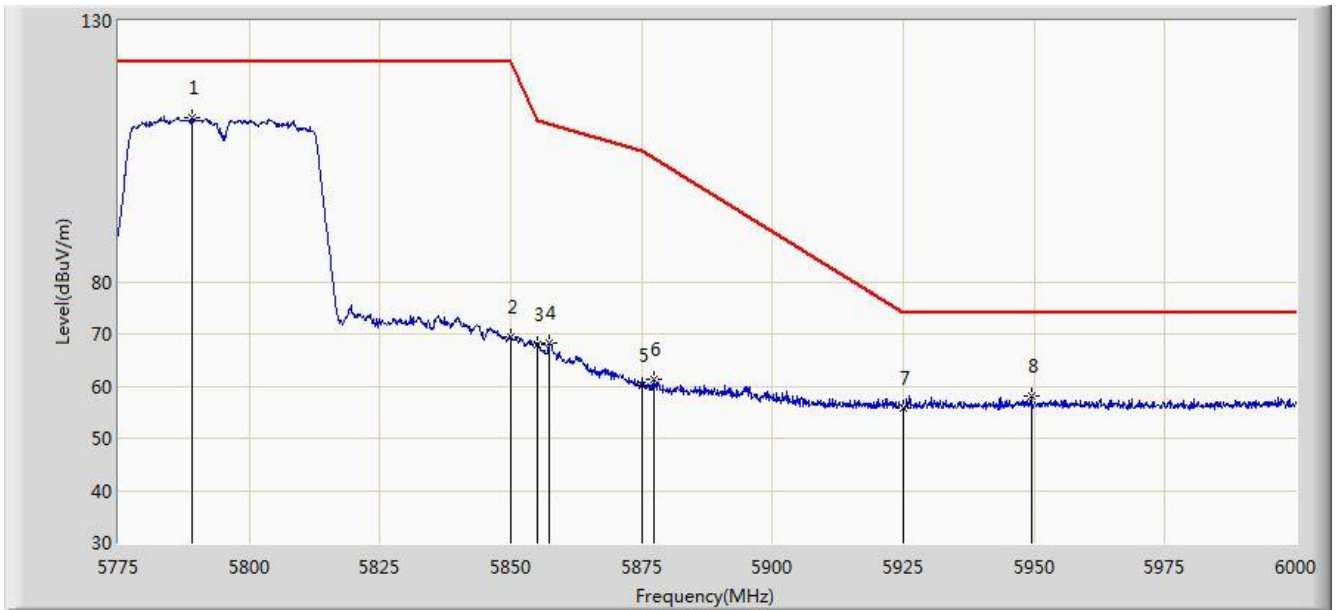


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.425	110.753	105.354	N/A	N/A	5.399	PK
2			5850.000	67.137	61.411	-55.063	122.200	5.726	PK
3			5851.050	67.722	61.992	-52.083	119.805	5.730	PK
4			5855.000	66.279	60.533	-44.521	110.800	5.746	PK
5			5857.462	66.935	61.179	-43.174	110.110	5.756	PK
6			5875.000	59.128	53.308	-46.072	105.200	5.820	PK
7			5891.663	59.720	53.843	-35.053	94.773	5.878	PK
8			5925.000	55.664	49.698	-18.336	74.000	5.967	PK
9			5944.425	57.223	51.209	-16.777	74.000	6.015	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: 2016/08/14 - 19:01
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0	

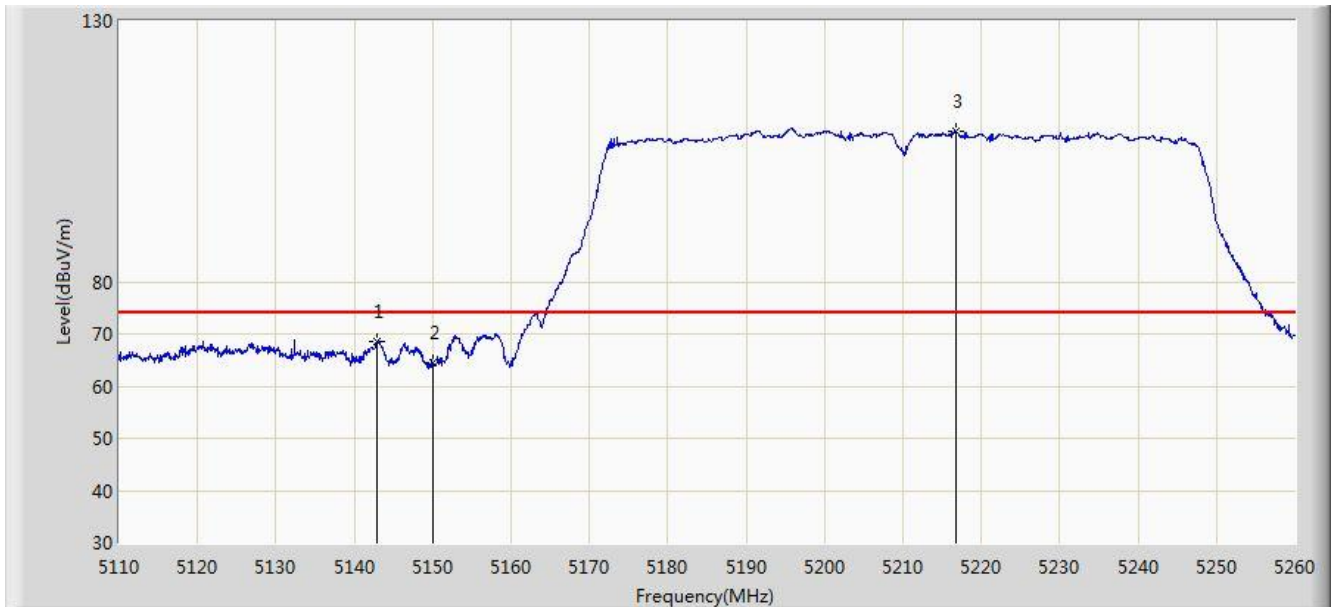


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5789.175	111.544	106.156	N/A	N/A	5.388	PK
2			5850.000	69.352	63.626	-52.848	122.200	5.726	PK
3			5855.000	68.023	62.277	-42.777	110.800	5.746	PK
4			5857.462	68.328	62.572	-41.781	110.110	5.756	PK
5			5875.000	60.117	54.297	-45.083	105.200	5.820	PK
6			5877.487	61.179	55.351	-42.462	103.642	5.828	PK
7			5925.000	55.925	49.959	-18.075	74.000	5.967	PK
8			5949.487	58.254	52.229	-15.746	74.000	6.025	PK

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

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

Site: AC1	Time: 2016/08/14 - 19:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0	

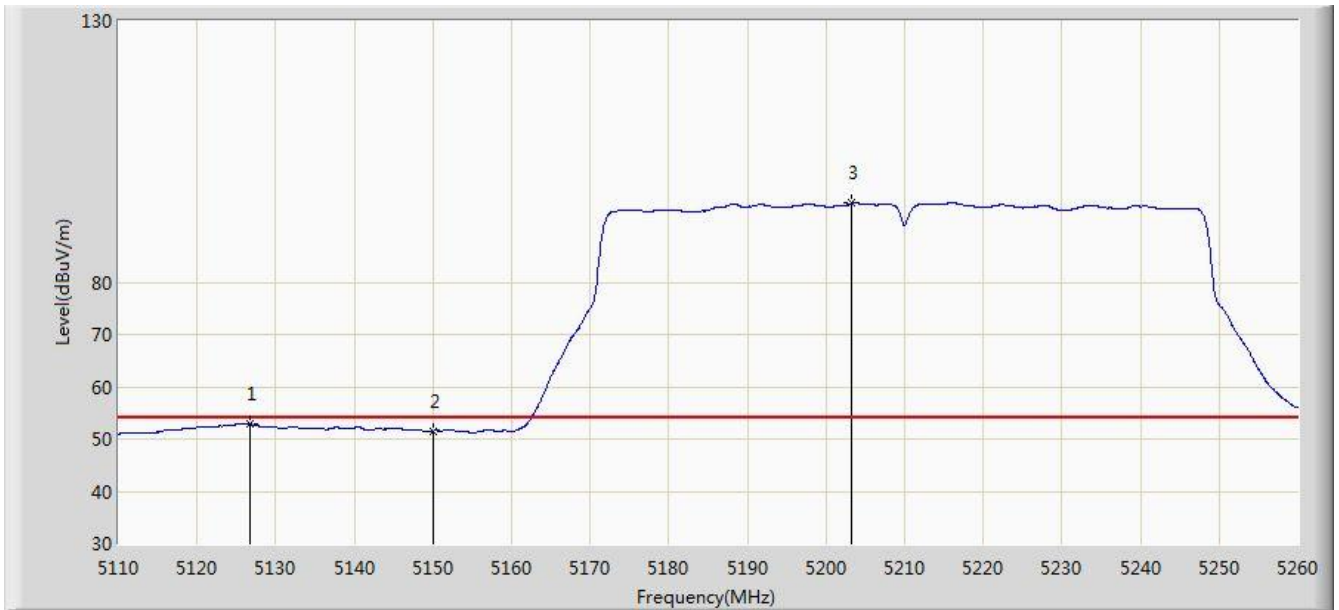


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.850	68.667	64.491	-5.333	74.000	4.176	PK
2			5150.000	64.572	60.403	-9.428	74.000	4.170	PK
3		*	5216.725	108.809	104.860	N/A	N/A	3.949	PK

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

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

Site: AC1	Time: 2016/08/14 - 19:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0	

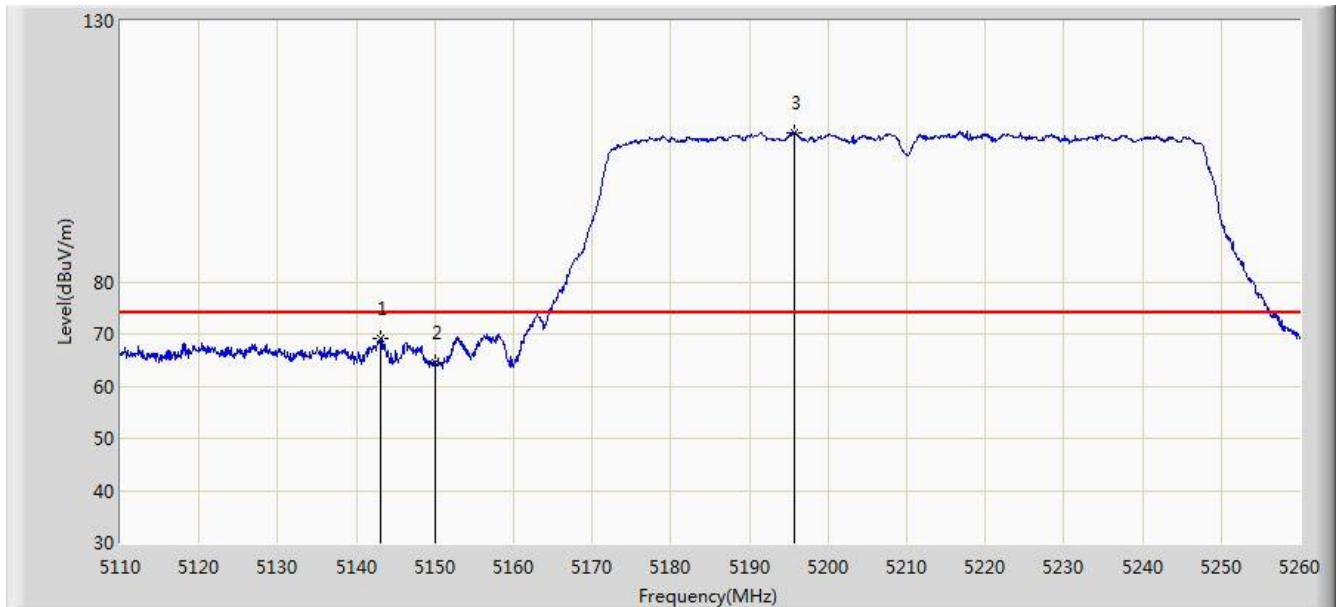


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5126.725	52.842	48.667	-1.158	54.000	4.175	AV
2			5150.000	51.543	47.374	-2.457	54.000	4.170	AV
3		*	5203.225	95.082	91.093	N/A	N/A	3.988	AV

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

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

Site: AC1	Time: 2016/08/14 - 19:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0	

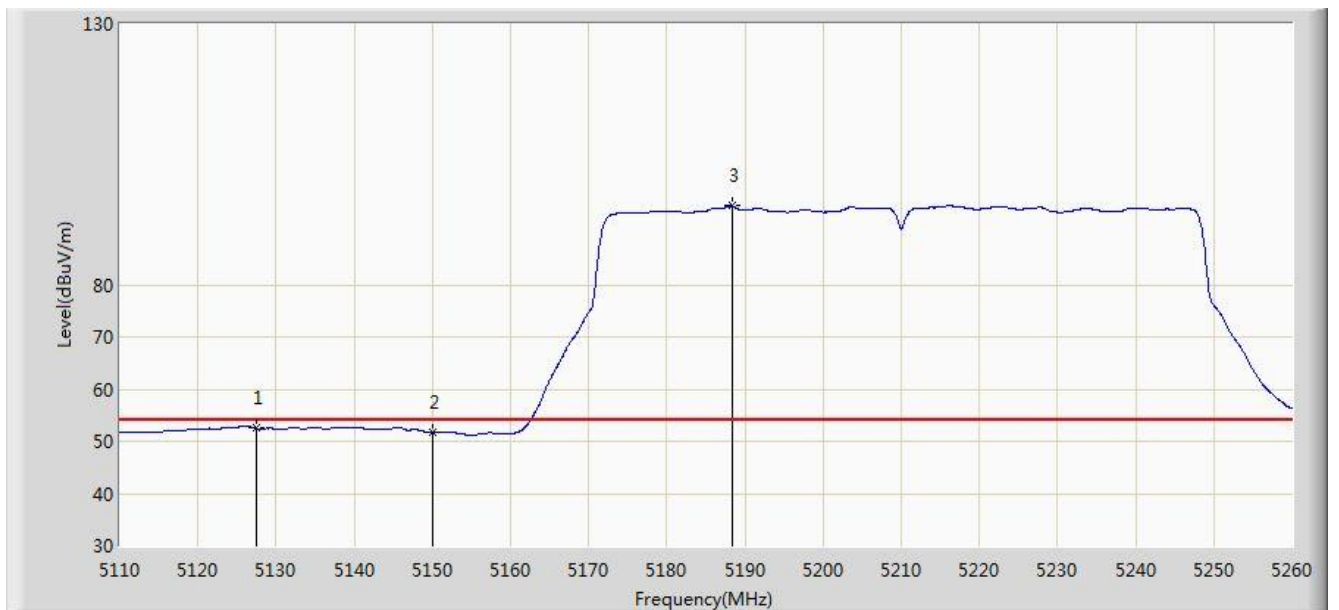


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.075	69.045	64.869	-4.955	74.000	4.176	PK
2			5150.000	64.543	60.374	-9.457	74.000	4.170	PK
3		*	5195.800	108.608	104.595	N/A	N/A	4.013	PK

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

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

Site: AC1	Time: 2016/08/14 - 19:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0	

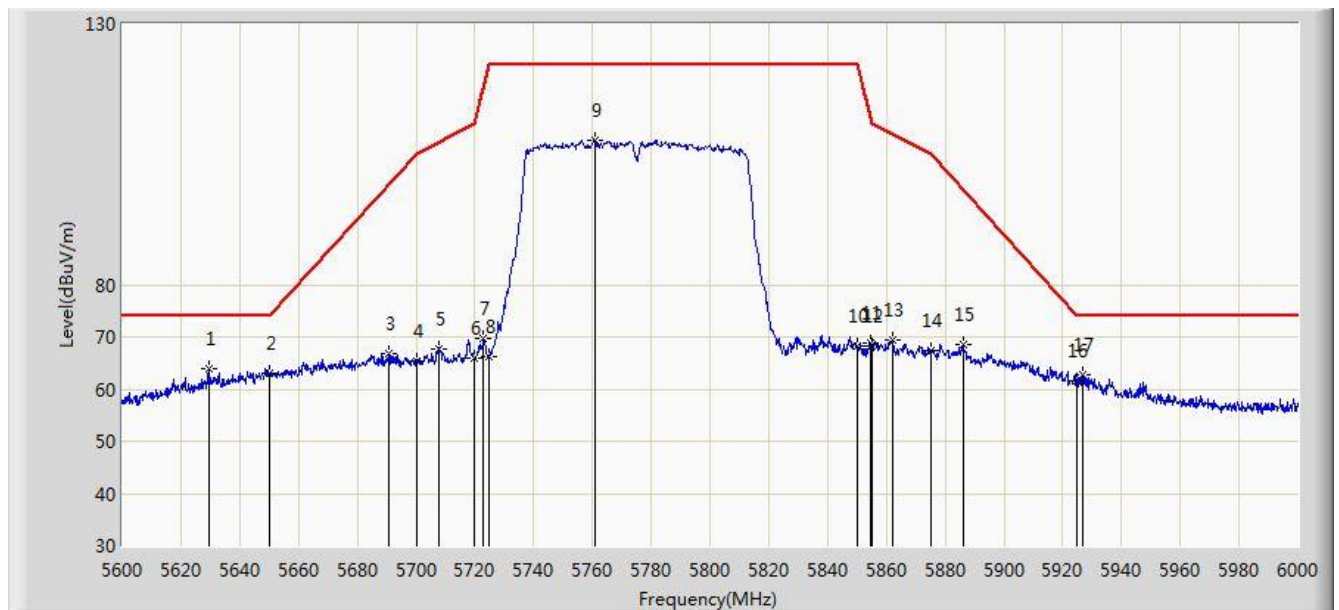


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5127.400	52.527	48.352	-1.473	54.000	4.175	AV
2			5150.000	51.817	47.648	-2.183	54.000	4.170	AV
3		*	5188.300	95.074	91.035	N/A	N/A	4.040	AV

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

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

Site: AC1	Time: 2016/08/14 - 19:21
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5629.600	63.781	59.173	-10.219	74.000	4.608	PK
2			5650.000	62.996	58.325	-11.004	74.000	4.671	PK
3			5690.800	66.807	61.976	-32.673	99.480	4.830	PK
4			5700.000	65.220	60.342	-39.980	105.200	4.878	PK
5			5707.600	67.736	62.817	-39.595	107.330	4.918	PK
6			5720.000	66.031	61.034	-44.769	110.800	4.997	PK
7			5723.000	69.685	64.669	-47.956	117.641	5.016	PK
8			5725.000	66.290	61.261	-55.910	122.200	5.029	PK
9			5760.800	107.805	102.561	N/A	N/A	5.244	PK
10			5850.000	68.303	62.577	-53.897	122.200	5.726	PK
11			5854.600	68.798	63.053	-42.914	111.712	5.744	PK
12			5855.000	68.272	62.526	-42.528	110.800	5.746	PK
13			5862.200	69.347	63.571	-39.435	108.782	5.776	PK
14			5875.000	67.336	61.516	-37.864	105.200	5.820	PK
15			5886.000	68.561	62.703	-29.753	98.313	5.858	PK
16			5925.000	61.510	55.544	-12.490	74.000	5.967	PK

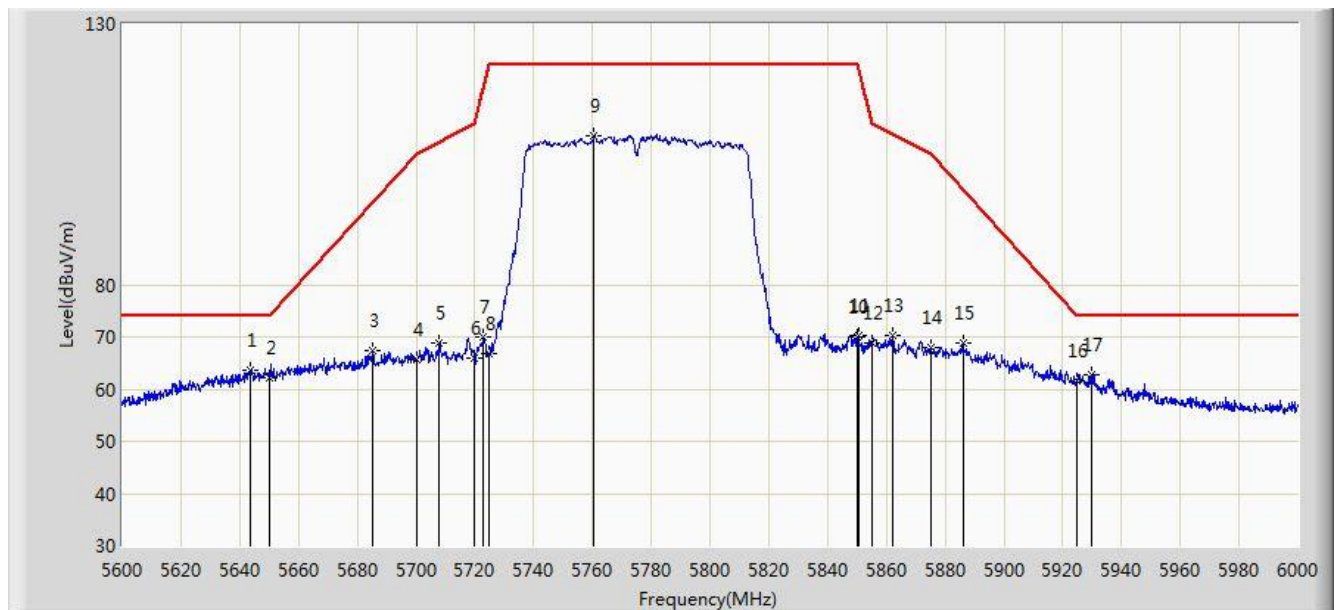


17			5926.800	62.731	56.760	-11.269	74.000	5.970	PK
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Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Site: AC1	Time: 2016/08/14 - 19:23
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5643.600	63.519	58.869	-10.481	74.000	4.649	PK
2			5650.000	62.110	57.439	-11.890	74.000	4.671	PK
3			5685.200	67.291	62.483	-28.702	95.993	4.808	PK
4			5700.000	65.793	60.915	-39.407	105.200	4.878	PK
5			5708.000	68.929	64.008	-38.514	107.442	4.921	PK
6			5720.000	66.035	61.038	-44.765	110.800	4.997	PK
7			5723.000	70.047	65.031	-47.594	117.641	5.016	PK
8			5725.000	66.907	61.878	-55.293	122.200	5.029	PK
9			5760.600	108.618	103.375	N/A	N/A	5.244	PK
10			5850.000	69.911	64.185	-52.289	122.200	5.726	PK
11			5850.600	70.387	64.659	-50.444	120.831	5.728	PK
12			5855.000	68.812	63.066	-41.988	110.800	5.746	PK
13			5862.400	70.176	64.399	-38.550	108.726	5.776	PK
14			5875.000	67.839	62.019	-37.361	105.200	5.820	PK
15			5886.000	68.849	62.991	-29.465	98.313	5.858	PK
16			5925.000	61.478	55.512	-12.522	74.000	5.967	PK

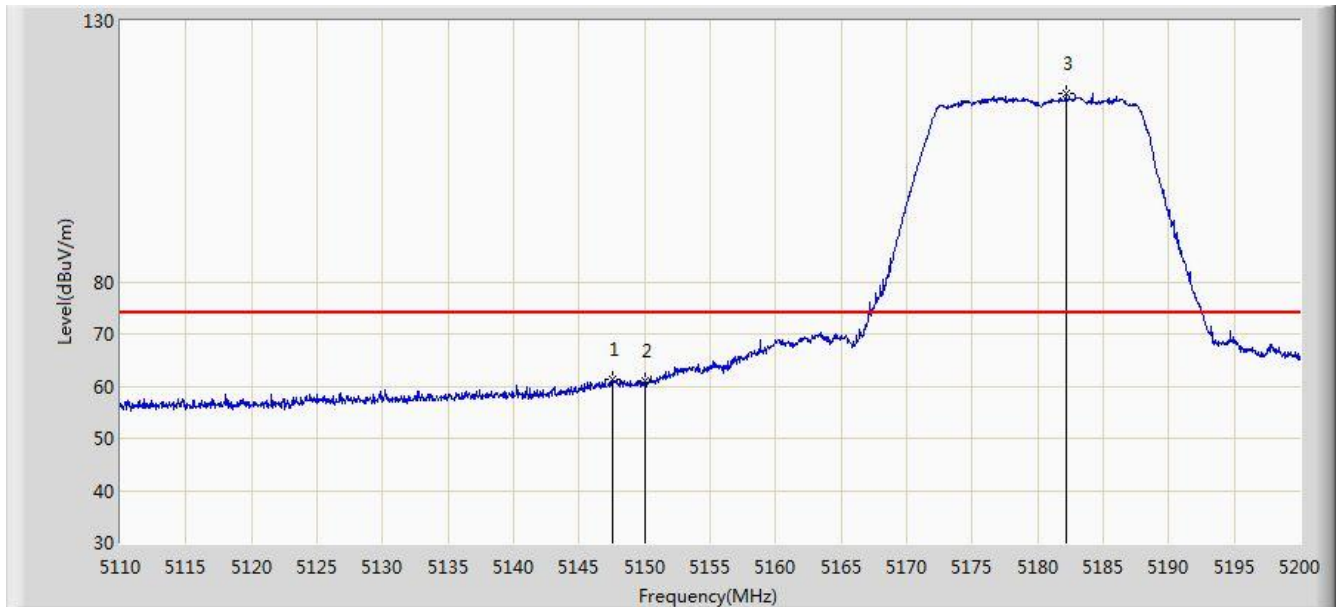


17			5930.000	62.848	56.869	-11.152	74.000	5.979	PK
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Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Site: AC1	Time: 2016/08/15 - 18:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 1	

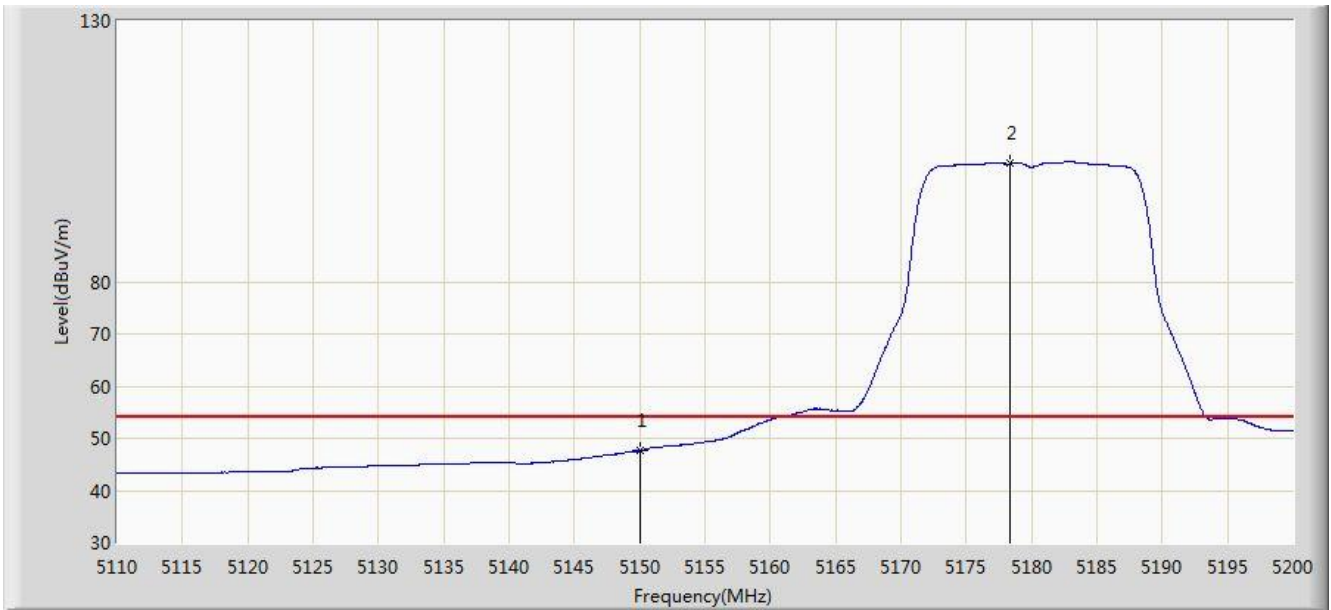


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.575	61.200	57.024	-12.800	74.000	4.176	PK
2			5150.000	60.942	56.773	-13.058	74.000	4.170	PK
3		*	5182.135	116.072	112.011	N/A	N/A	4.061	PK

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: 2016/08/15 - 18:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 1	

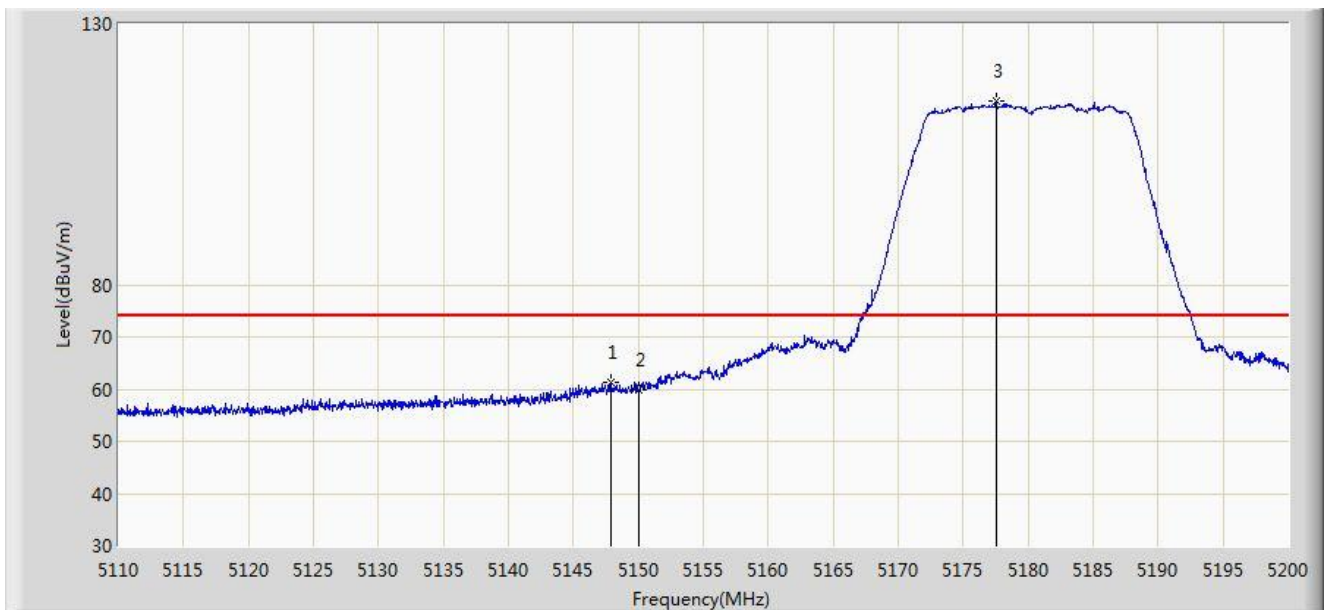


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.637	44.328	-6.363	54.000	3.309	AV
2		*	5178.400	102.672	99.398	N/A	N/A	3.275	AV

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: 2016/08/15 - 18:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 1	

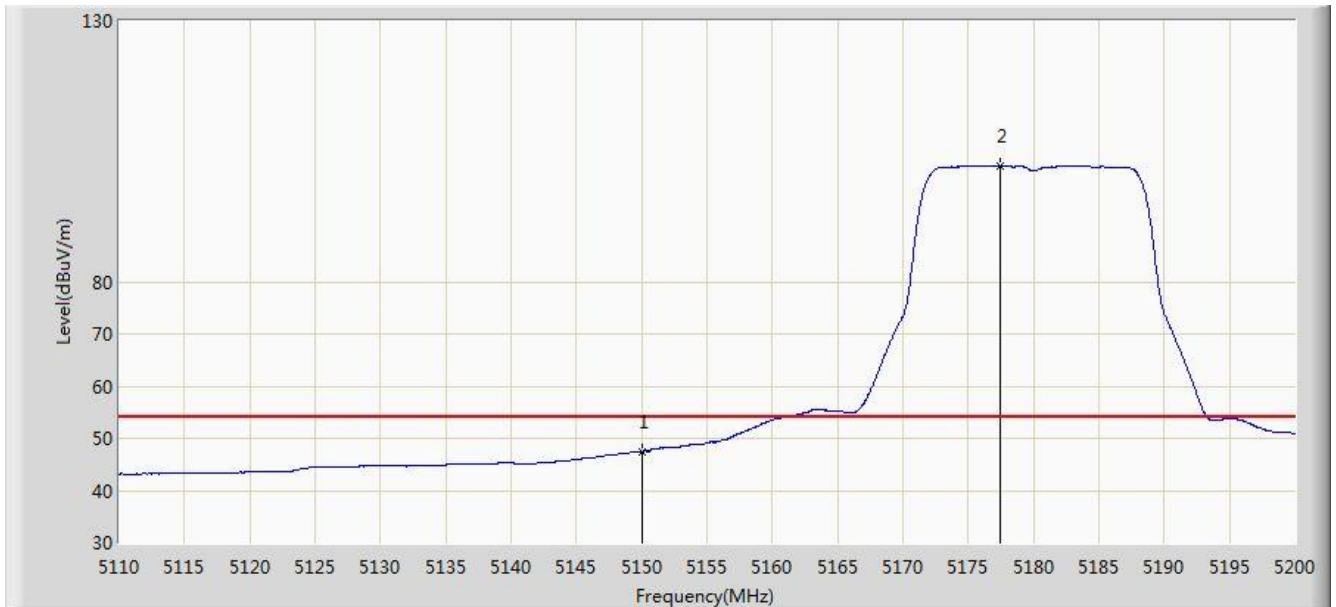


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.845	61.415	57.239	-12.585	74.000	4.176	PK
2			5150.000	59.797	55.628	-14.203	74.000	4.170	PK
3		*	5177.500	115.315	111.237	N/A	N/A	4.077	PK

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

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

Site: AC1	Time: 2016/08/15 - 18:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 1	

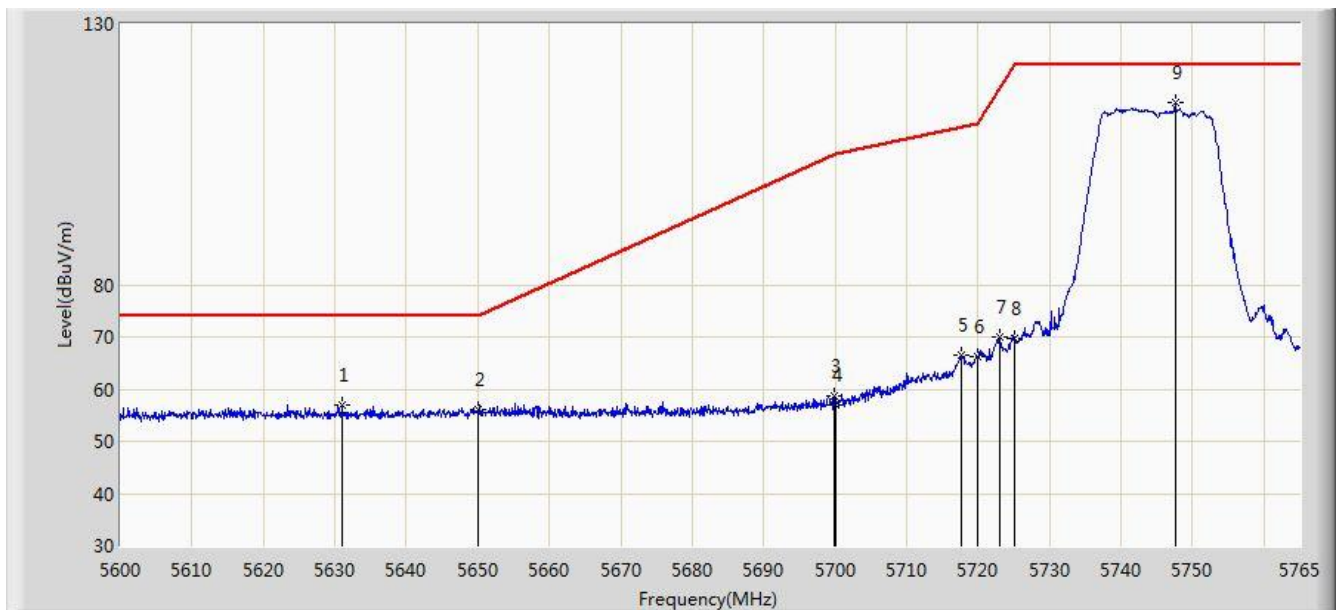


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.520	43.351	-6.480	54.000	4.170	AV
2		*	5177.455	102.225	98.147	N/A	N/A	4.078	AV

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

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

Site: AC1	Time: 2016/08/15 - 19:06
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 1	

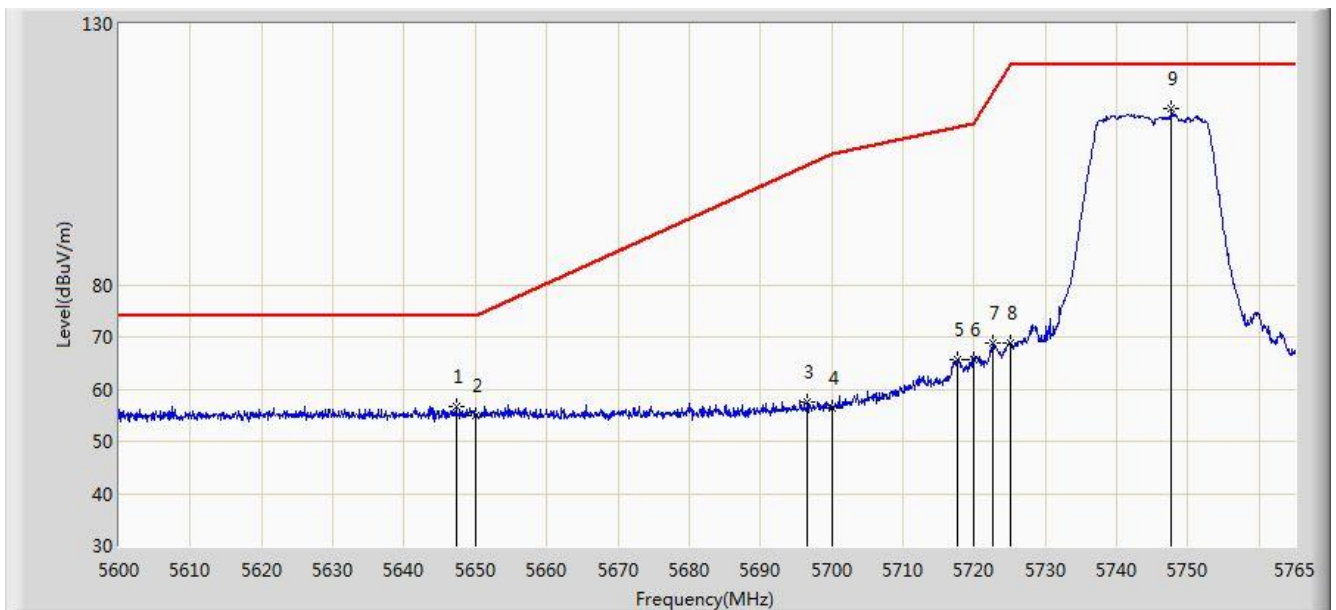


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5631.020	56.933	52.321	-17.067	74.000	4.612	PK
2			5650.000	56.050	51.379	-17.950	74.000	4.671	PK
3			5699.825	58.746	53.869	-46.345	105.091	4.878	PK
4			5700.000	57.034	52.156	-48.166	105.200	4.878	PK
5			5717.645	66.434	61.452	-43.708	110.142	4.982	PK
6			5720.000	66.322	61.325	-44.478	110.800	4.997	PK
7			5722.925	70.092	65.076	-47.379	117.470	5.015	PK
8			5725.000	69.724	64.695	-52.476	122.200	5.029	PK
9		*	5747.592	115.025	109.855	N/A	N/A	5.170	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: 2016/08/15 - 19:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 1	

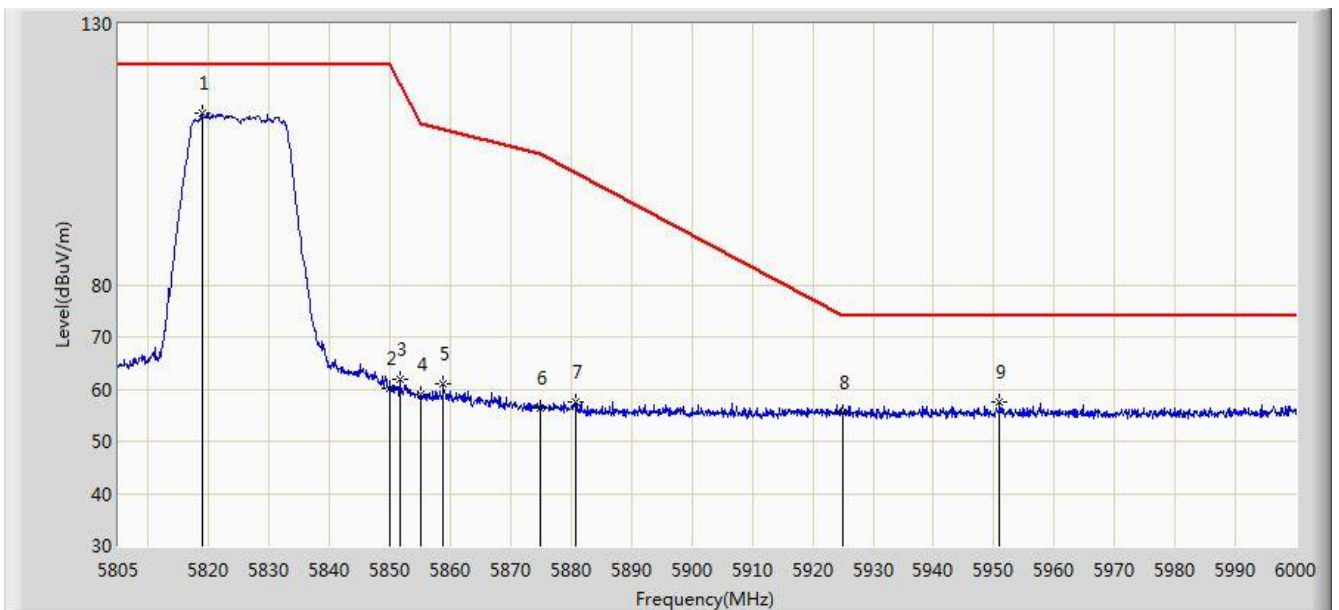


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.355	56.781	52.119	-17.219	74.000	4.662	PK
2			5650.000	54.819	50.148	-19.181	74.000	4.671	PK
3			5696.607	57.523	52.663	-45.568	103.091	4.860	PK
4			5700.000	56.487	51.609	-48.713	105.200	4.878	PK
5			5717.562	65.774	60.793	-44.344	110.118	4.982	PK
6			5720.000	65.696	60.699	-45.104	110.800	4.997	PK
7			5722.595	68.799	63.785	-47.919	116.718	5.014	PK
8			5725.000	68.917	63.888	-53.283	122.200	5.029	PK
9		*	5747.675	113.720	108.550	N/A	N/A	5.170	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: 2016/08/15 - 19:09
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 1	

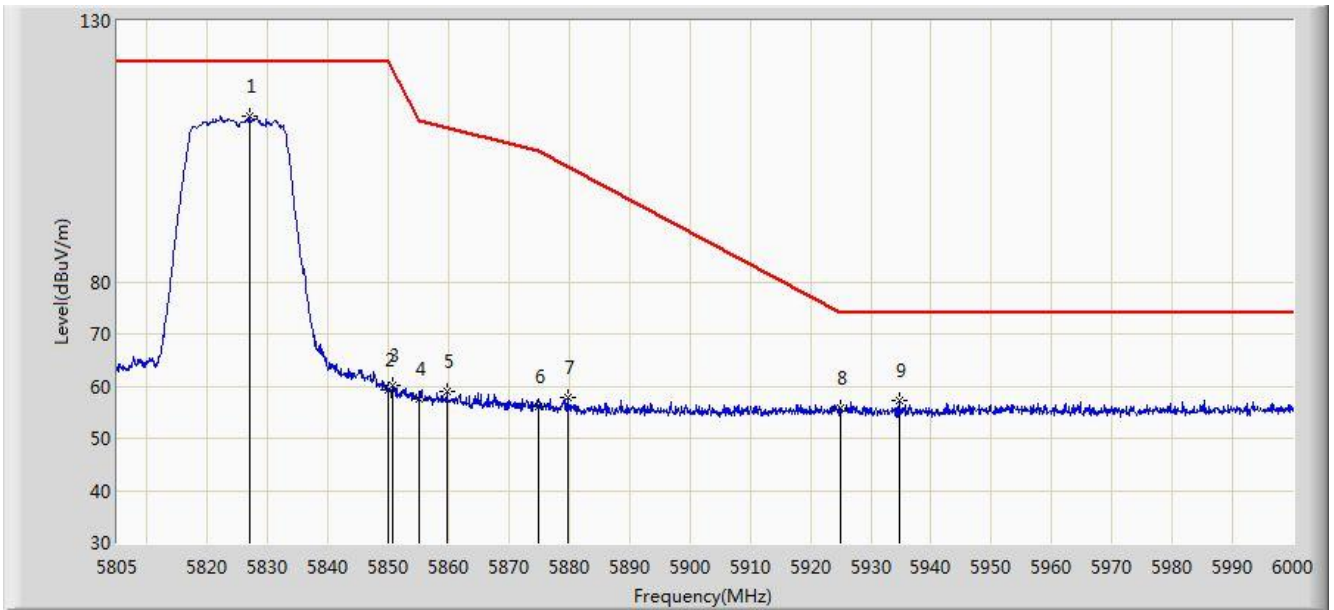


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.845	112.875	107.323	N/A	N/A	5.552	PK
2			5850.000	60.203	54.477	-61.997	122.200	5.726	PK
3			5851.605	61.946	56.214	-56.593	118.540	5.732	PK
4			5855.000	58.892	53.146	-51.908	110.800	5.746	PK
5			5858.820	60.889	55.127	-48.840	109.729	5.762	PK
6			5875.000	56.506	50.686	-48.694	105.200	5.820	PK
7			5880.855	57.486	51.646	-44.047	101.533	5.840	PK
8			5925.000	55.424	49.458	-18.576	74.000	5.967	PK
9			5950.958	57.518	51.490	-16.482	74.000	6.028	PK

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

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

Site: AC1	Time: 2016/08/15 - 19:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 1	

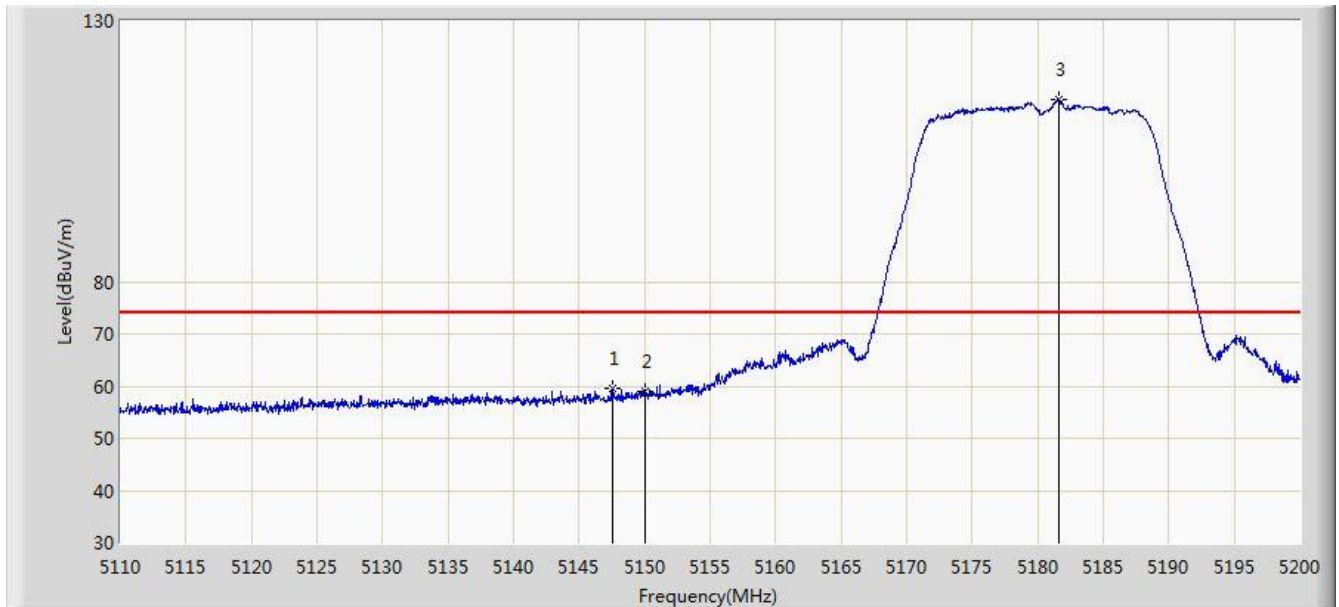


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.937	111.793	106.194	N/A	N/A	5.599	PK
2			5850.000	59.245	53.519	-62.955	122.200	5.726	PK
3			5850.630	60.176	54.448	-60.587	120.763	5.729	PK
4			5855.000	57.521	51.775	-53.279	110.800	5.746	PK
5			5859.697	58.981	53.215	-50.502	109.483	5.766	PK
6			5875.000	56.038	50.218	-49.162	105.200	5.820	PK
7			5879.685	57.748	51.912	-44.517	102.265	5.836	PK
8			5925.000	55.781	49.815	-18.219	74.000	5.967	PK
9			5934.675	57.103	51.112	-16.897	74.000	5.991	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: 2016/08/15 - 19:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 1	

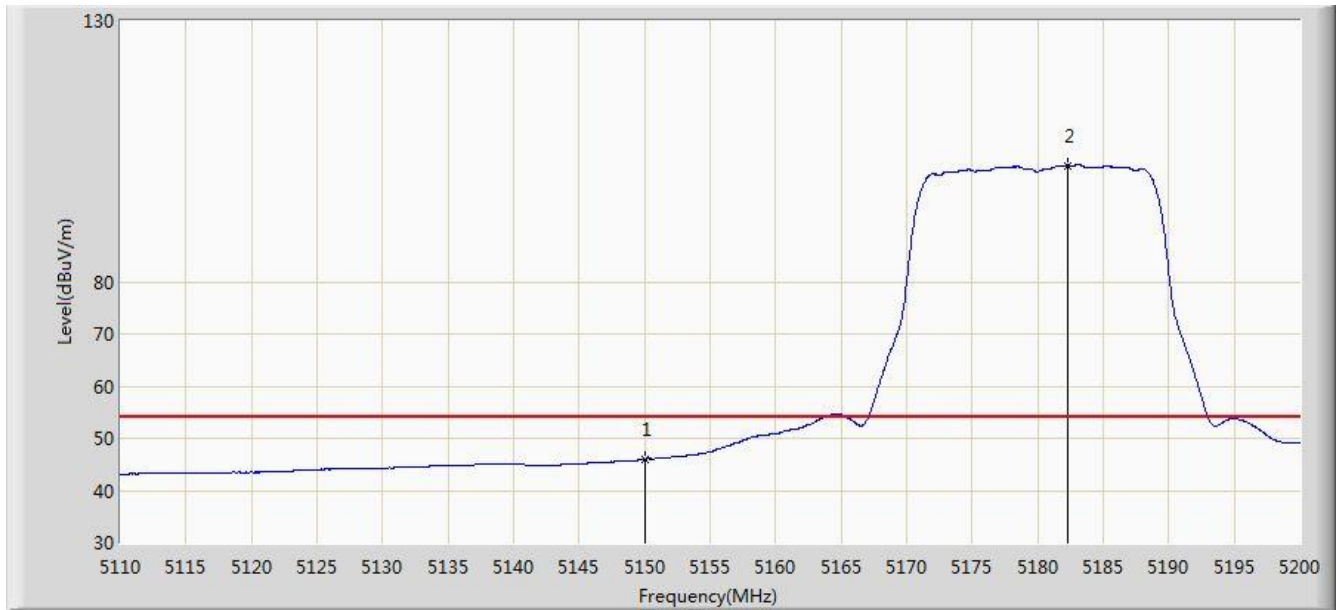


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.530	59.459	55.283	-14.541	74.000	4.176	PK
2			5150.000	59.094	54.925	-14.906	74.000	4.170	PK
3		*	5181.595	115.031	110.968	N/A	N/A	4.063	PK

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

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

Site: AC1	Time: 2016/08/15 - 19:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 1	

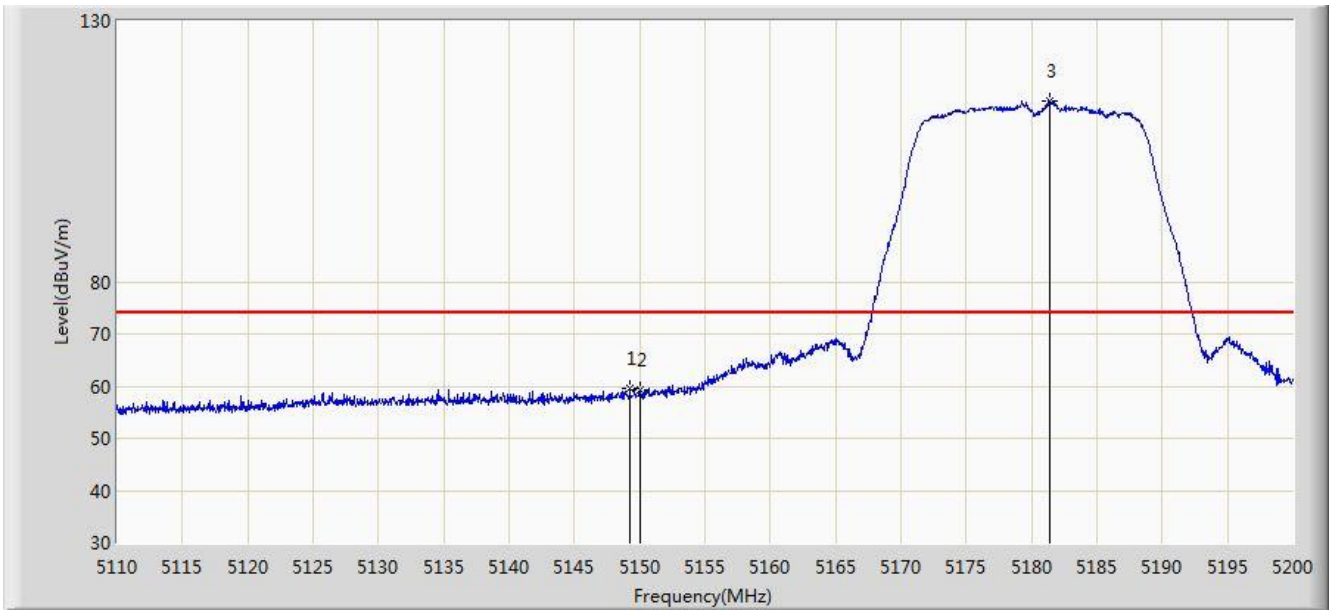


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.970	41.801	-8.030	54.000	4.170	AV
2		*	5182.315	102.250	98.189	N/A	N/A	4.060	AV

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

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

Site: AC1	Time: 2016/08/15 - 19:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 1	

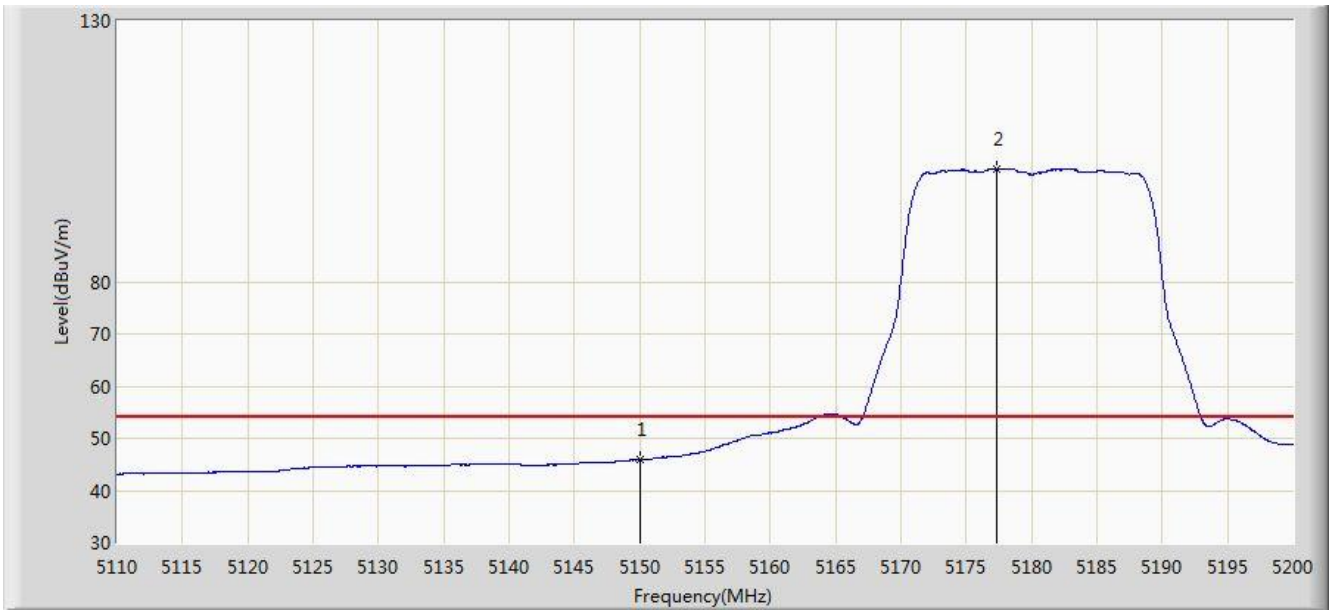


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.240	59.438	55.266	-14.562	74.000	4.172	PK
2			5150.000	59.177	55.008	-14.823	74.000	4.170	PK
3		*	5181.415	114.771	110.707	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2016/08/15 - 19:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 1	

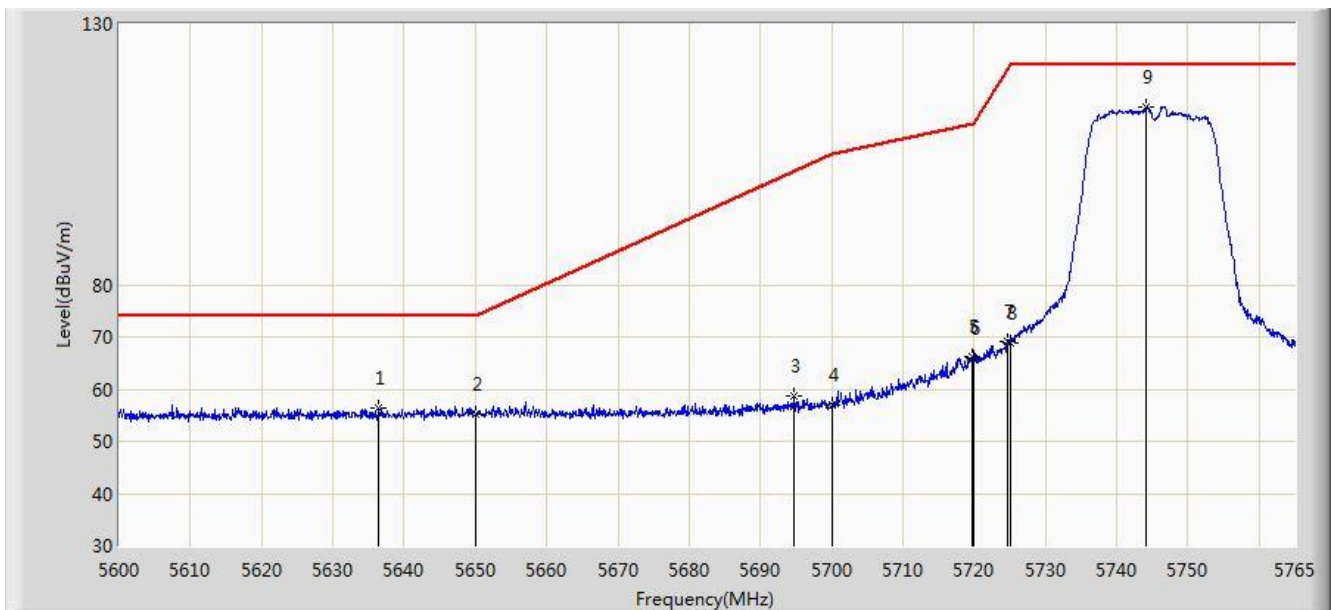


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.847	41.678	-8.153	54.000	4.170	AV
2		*	5177.275	101.646	97.567	N/A	N/A	4.078	AV

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

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

Site: AC1	Time: 2016/08/15 - 19:30
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 1	

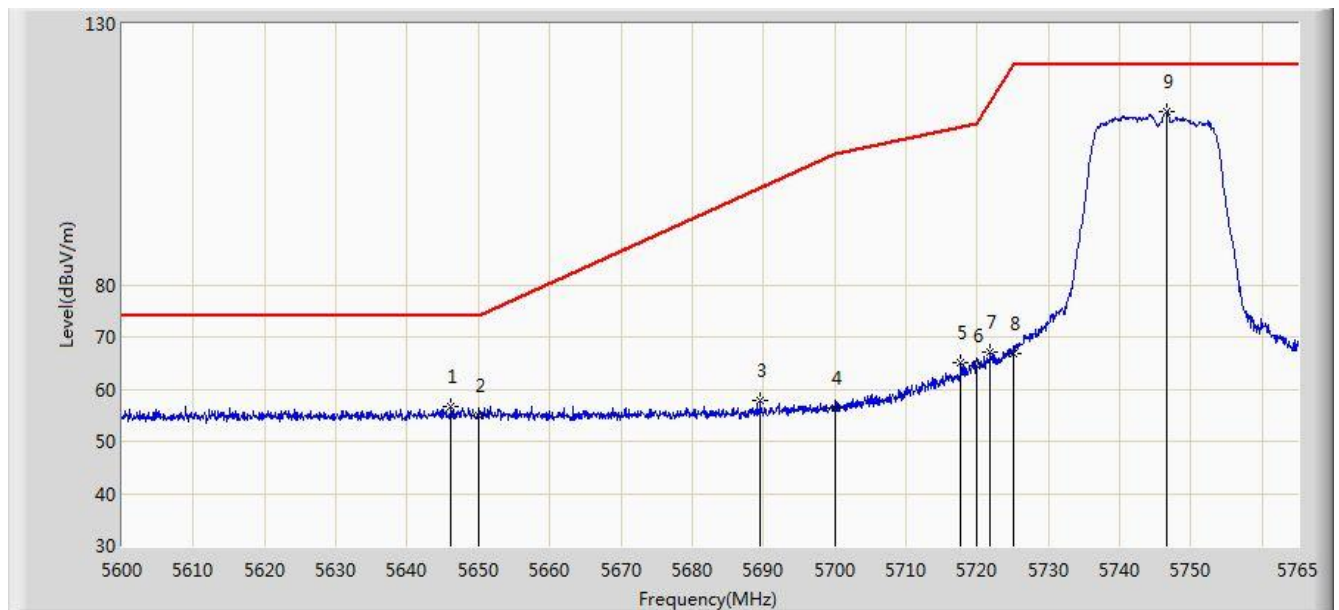


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5636.465	56.396	51.768	-17.604	74.000	4.627	PK
2			5650.000	55.216	50.545	-18.784	74.000	4.671	PK
3			5694.792	58.620	53.769	-43.343	101.963	4.851	PK
4			5700.000	57.012	52.134	-48.188	105.200	4.878	PK
5			5719.708	66.276	61.281	-44.442	110.718	4.995	PK
6			5720.000	65.923	60.926	-44.877	110.800	4.997	PK
7			5724.740	69.216	64.189	-52.391	121.607	5.028	PK
8			5725.000	68.735	63.706	-53.465	122.200	5.029	PK
9		*	5744.127	114.024	108.874	N/A	N/A	5.151	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: 2016/08/15 - 19:31
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 1	

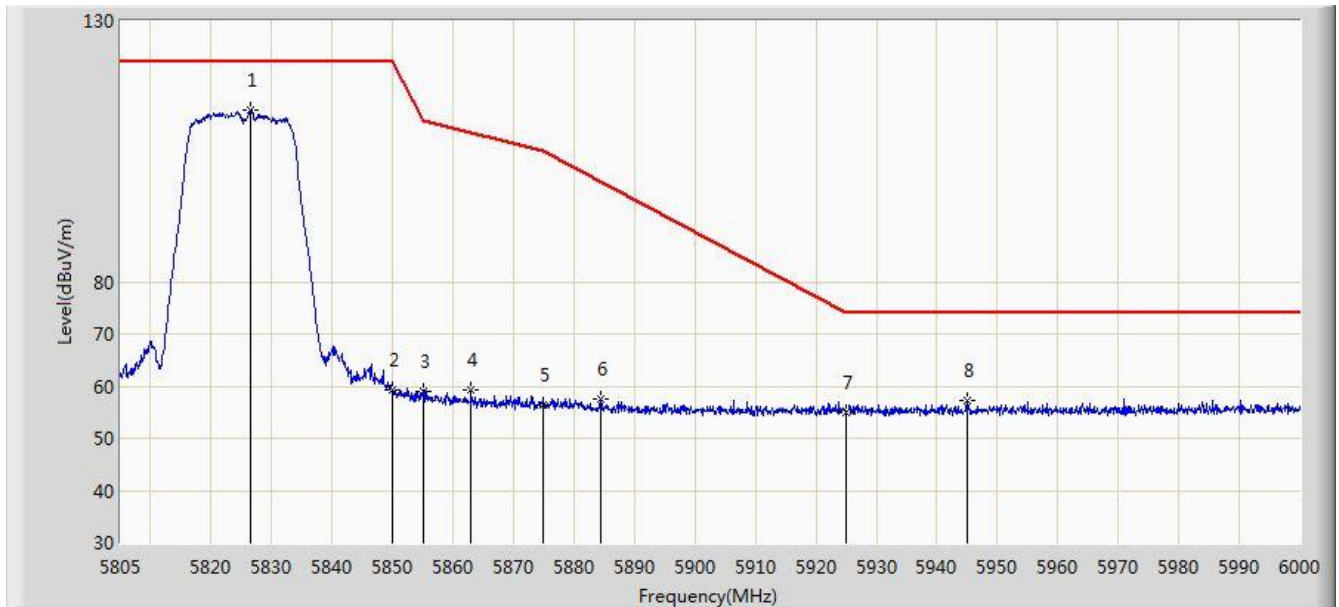


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5646.200	56.592	51.934	-17.408	74.000	4.658	PK
2			5650.000	55.032	50.361	-18.968	74.000	4.671	PK
3			5689.595	57.779	52.953	-40.951	98.730	4.825	PK
4			5700.000	56.377	51.499	-48.823	105.200	4.878	PK
5			5717.728	65.024	60.042	-45.141	110.165	4.982	PK
6			5720.000	64.494	59.497	-46.306	110.800	4.997	PK
7			5721.853	67.100	62.091	-47.926	115.026	5.008	PK
8			5725.000	66.829	61.800	-55.371	122.200	5.029	PK
9		*	5746.520	113.122	107.958	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2016/08/15 - 19:32
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 1	

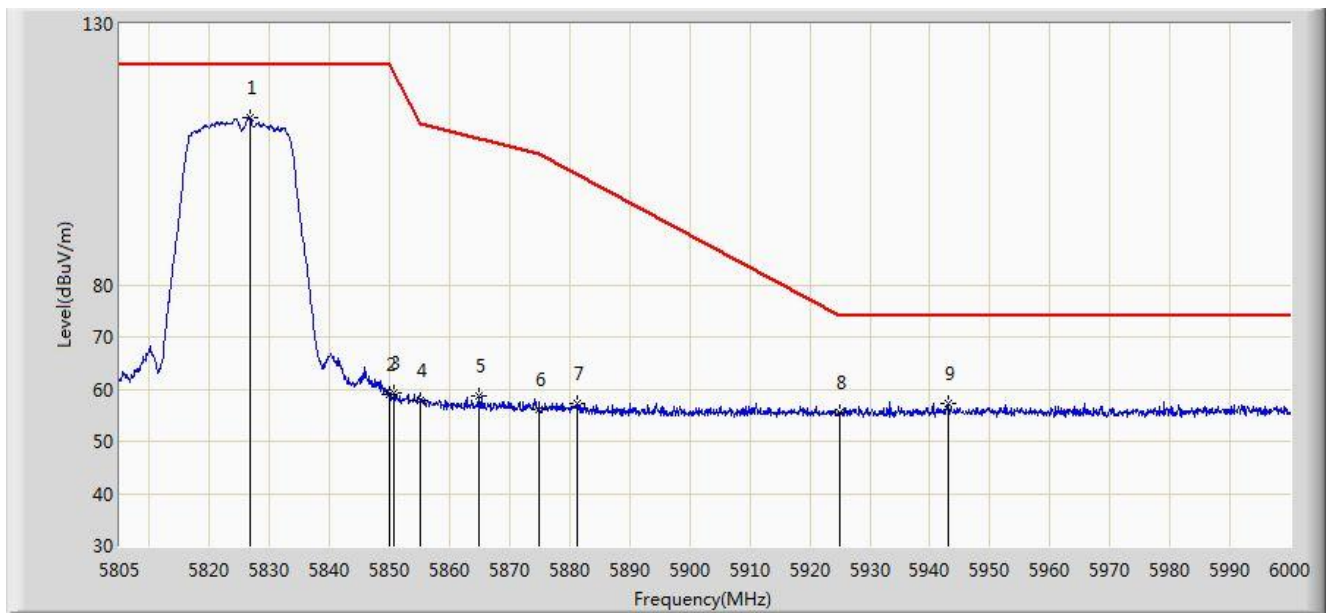


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.450	112.952	107.356	N/A	N/A	5.596	PK
2			5850.000	59.253	53.527	-62.947	122.200	5.726	PK
3			5855.000	59.119	53.373	-51.681	110.800	5.746	PK
4			5863.013	59.238	53.459	-49.316	108.554	5.779	PK
5			5875.000	56.483	50.663	-48.717	105.200	5.820	PK
6			5884.365	57.490	51.638	-41.846	99.336	5.852	PK
7			5925.000	55.034	49.068	-18.966	74.000	5.967	PK
8			5944.913	57.147	51.132	-16.853	74.000	6.016	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: 2016/08/15 - 19:34
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 1	

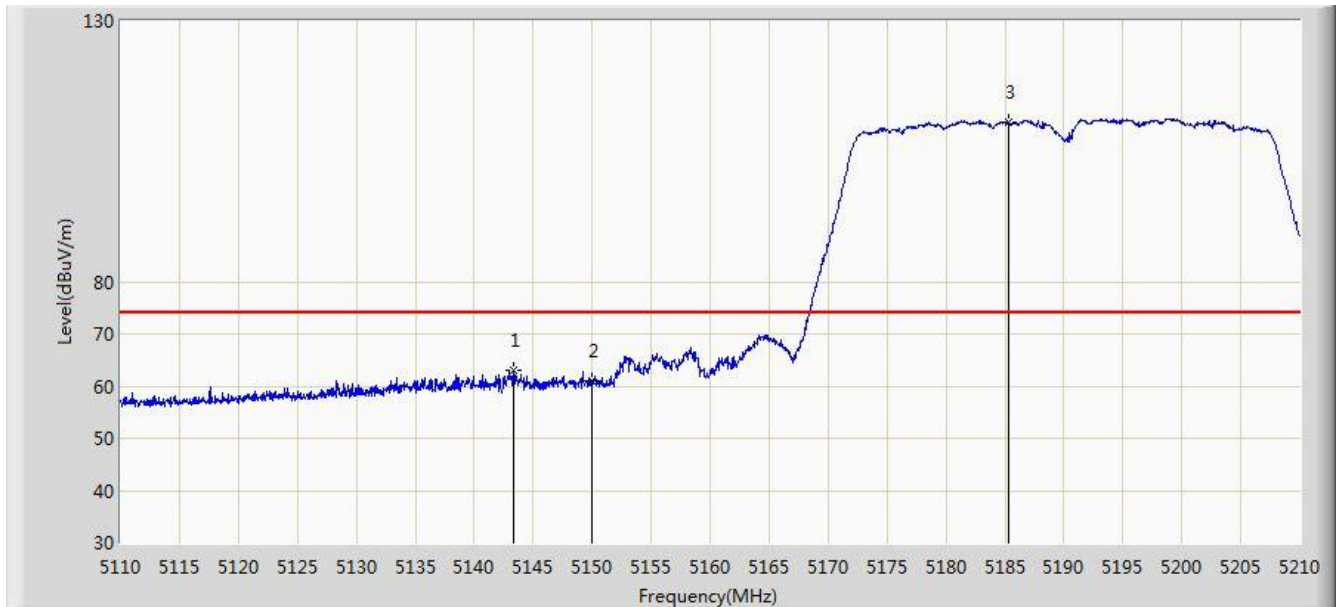


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.743	112.018	106.420	N/A	N/A	5.599	PK
2			5850.000	58.904	53.178	-63.296	122.200	5.726	PK
3			5850.728	59.297	53.568	-61.243	120.540	5.729	PK
4			5855.000	57.894	52.148	-52.906	110.800	5.746	PK
5			5864.768	58.588	52.803	-49.475	108.063	5.785	PK
6			5875.000	56.123	50.303	-49.077	105.200	5.820	PK
7			5881.342	57.229	51.387	-43.999	101.228	5.841	PK
8			5925.000	55.449	49.483	-18.551	74.000	5.967	PK
9			5942.962	57.374	51.363	-16.626	74.000	6.010	PK

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

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

Site: AC1	Time: 2016/08/15 - 19:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 1	

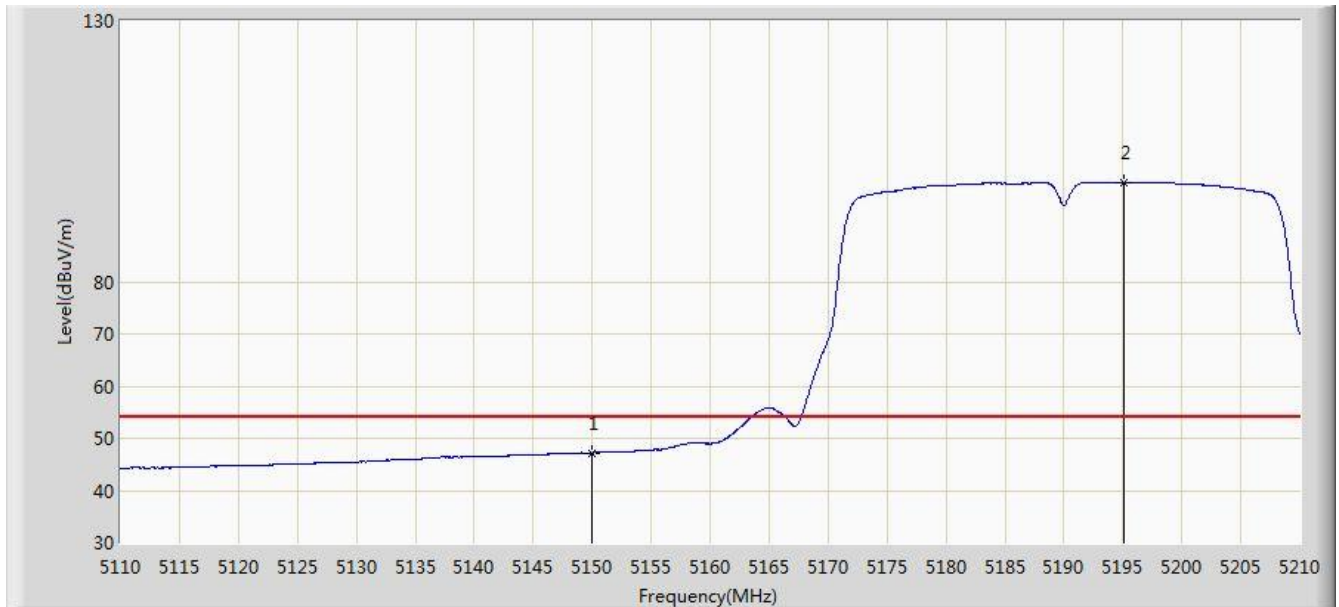


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.300	63.161	58.985	-10.839	74.000	4.176	PK
2			5150.000	60.923	56.754	-13.077	74.000	4.170	PK
3		*	5185.300	110.666	106.616	N/A	N/A	4.050	PK

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

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

Site: AC1	Time: 2016/08/15 - 19:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 1	

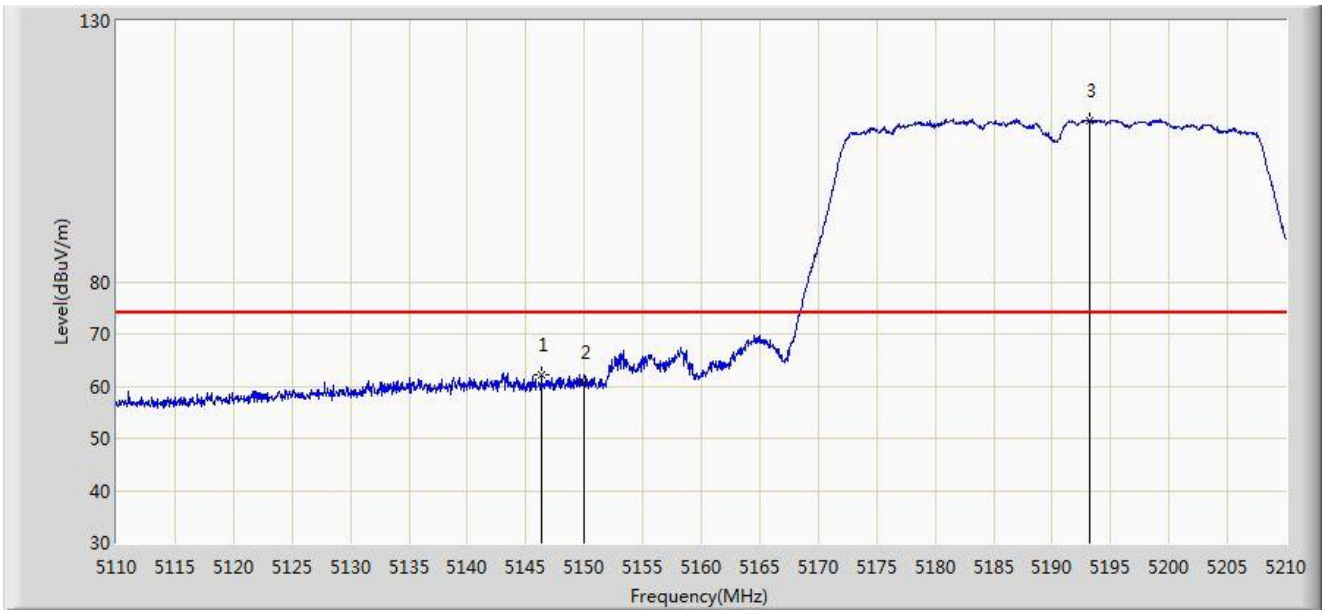


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.206	43.037	-6.794	54.000	4.170	AV
2		*	5195.150	99.000	94.985	N/A	N/A	4.015	AV

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

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

Site: AC1	Time: 2016/08/15 - 19:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 1	

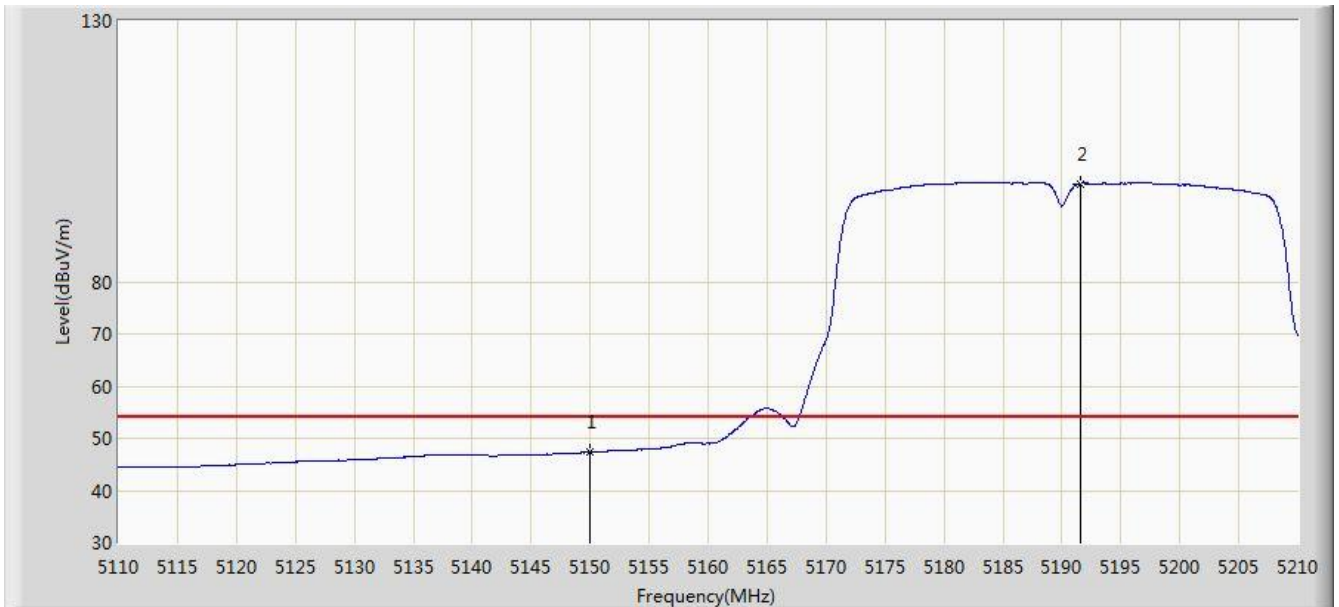


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.350	62.223	58.047	-11.777	74.000	4.176	PK
2			5150.000	60.713	56.544	-13.287	74.000	4.170	PK
3		*	5193.150	110.995	106.973	N/A	N/A	4.023	PK

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

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

Site: AC1	Time: 2016/08/15 - 19:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 1	

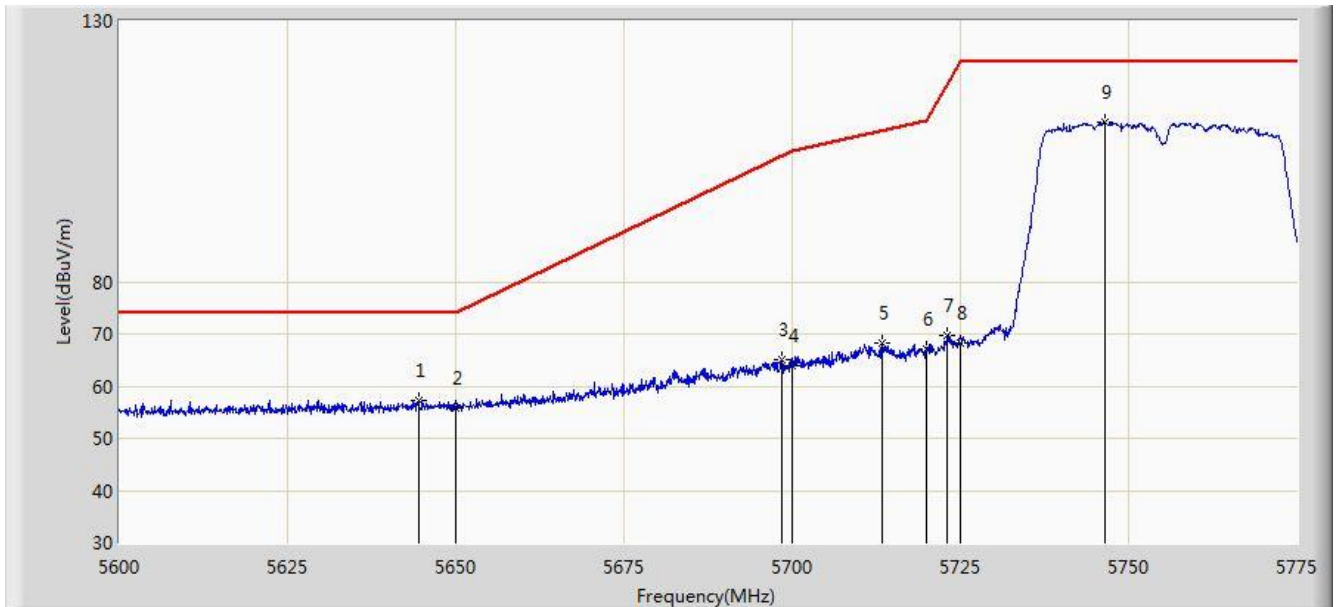


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.325	43.156	-6.675	54.000	4.170	AV
2		*	5191.550	98.792	94.764	N/A	N/A	4.027	AV

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: 2016/08/15 - 19:52
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 1	

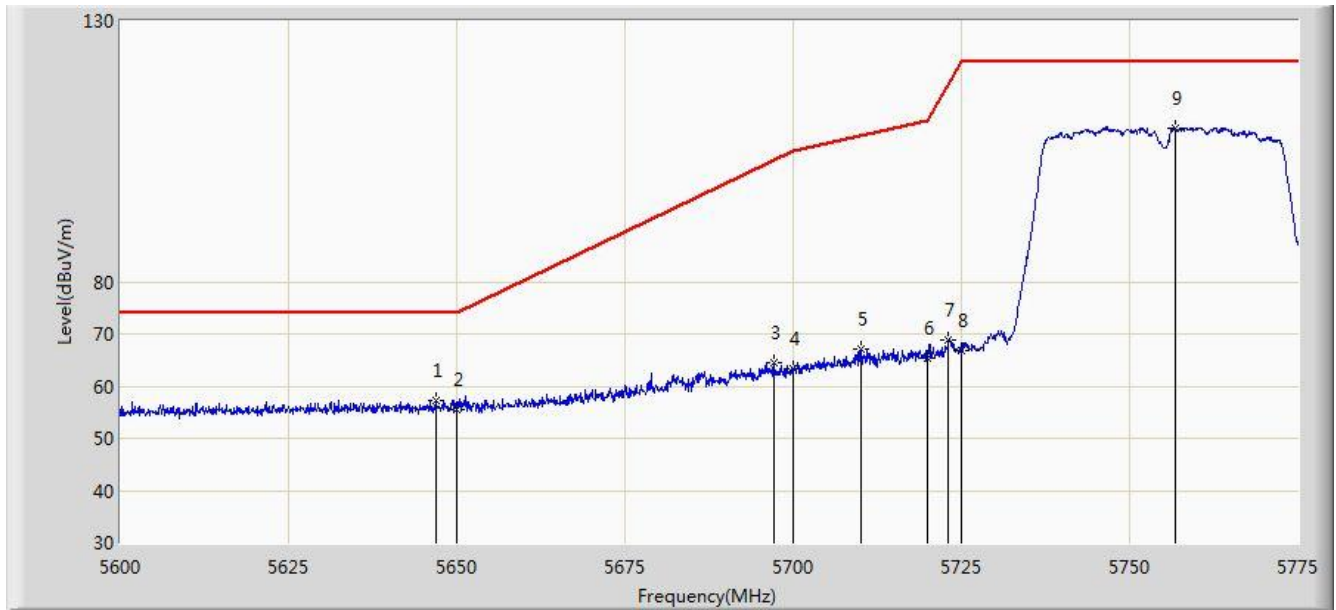


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.538	57.313	52.660	-16.687	74.000	4.653	PK
2			5650.000	55.695	51.024	-18.305	74.000	4.671	PK
3			5698.437	64.969	60.099	-39.260	104.229	4.870	PK
4			5700.000	63.871	58.993	-41.329	105.200	4.878	PK
5			5713.400	68.116	63.162	-40.838	108.954	4.954	PK
6			5720.000	67.029	62.032	-43.771	110.800	4.997	PK
7			5723.112	69.746	64.729	-48.151	117.897	5.017	PK
8			5725.000	68.138	63.109	-54.062	122.200	5.029	PK
9		*	5746.475	110.614	105.451	N/A	N/A	5.163	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: 2016/08/15 - 19:53
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 1	

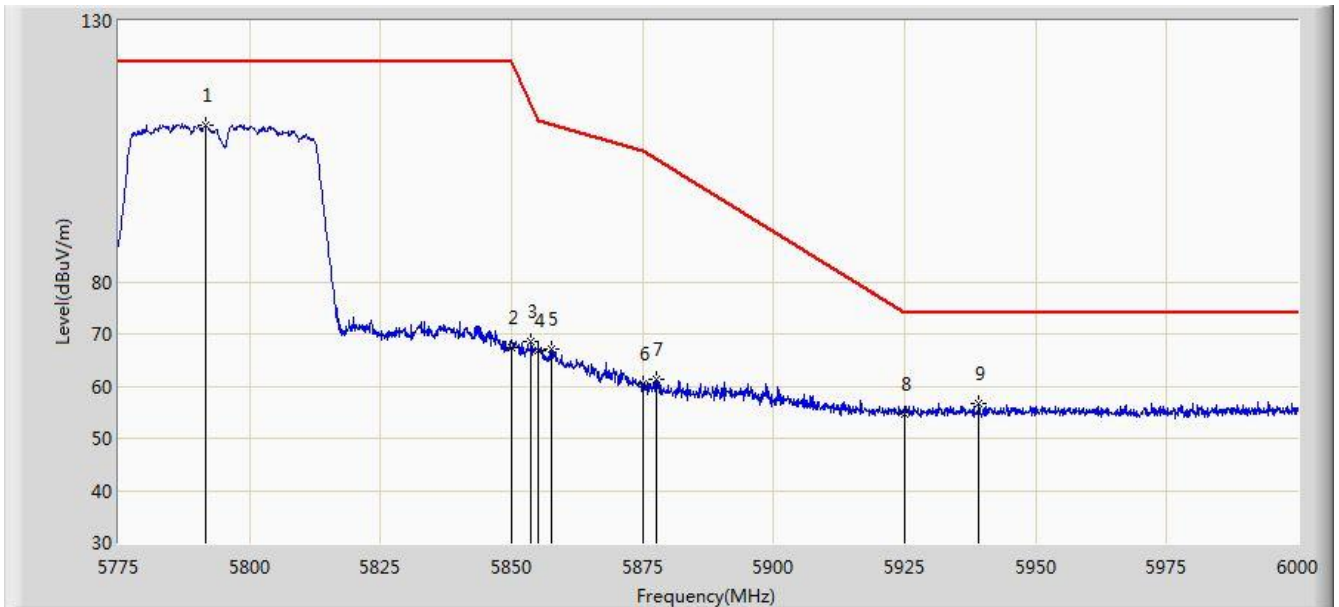


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5646.900	57.303	52.642	-16.697	74.000	4.661	PK
2			5650.000	55.558	50.887	-18.442	74.000	4.671	PK
3			5697.125	64.390	59.527	-39.023	103.413	4.863	PK
4			5700.000	63.335	58.457	-41.865	105.200	4.878	PK
5			5709.987	67.119	62.187	-40.879	107.999	4.932	PK
6			5720.000	65.346	60.349	-45.454	110.800	4.997	PK
7			5723.112	68.934	63.917	-48.963	117.897	5.017	PK
8			5725.000	66.780	61.751	-55.420	122.200	5.029	PK
9		*	5756.712	109.477	104.256	N/A	N/A	5.221	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: 2016/08/15 - 19:54
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 1	

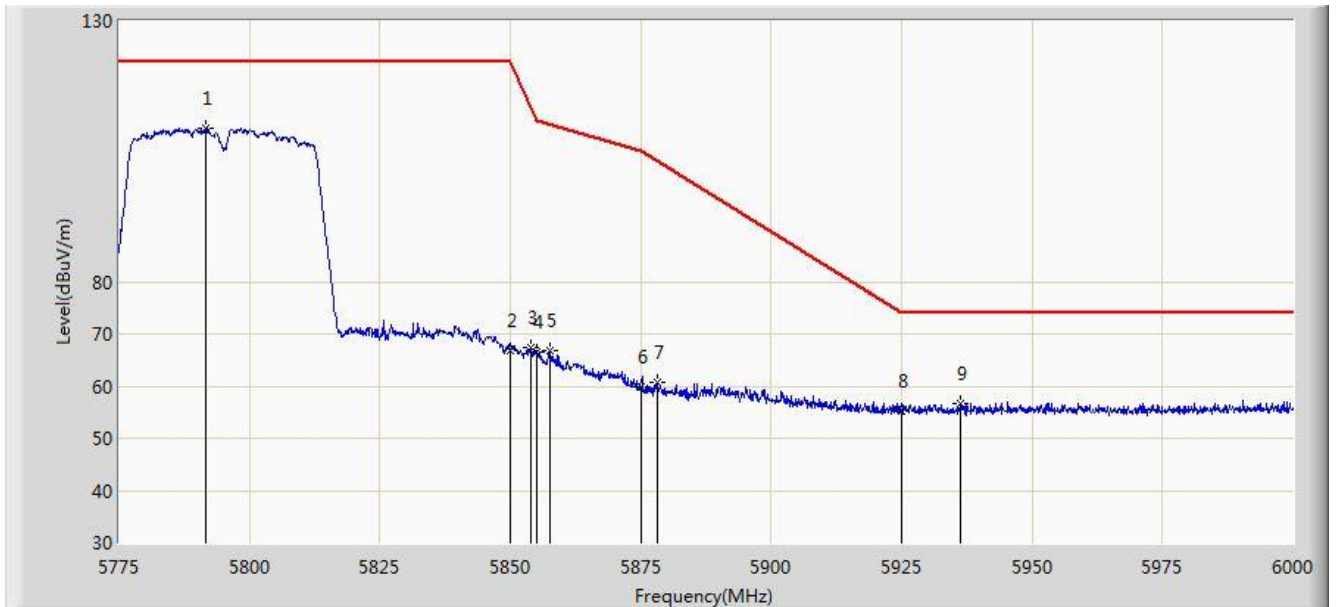


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.650	110.000	104.600	N/A	N/A	5.400	PK
2			5850.000	67.369	61.643	-54.831	122.200	5.726	PK
3			5853.638	68.530	62.789	-45.375	113.904	5.741	PK
4			5855.000	66.942	61.196	-43.858	110.800	5.746	PK
5			5857.687	67.153	61.396	-42.893	110.047	5.757	PK
6			5875.000	60.362	54.542	-44.838	105.200	5.820	PK
7			5877.600	61.227	55.398	-42.344	103.571	5.829	PK
8			5925.000	54.753	48.787	-19.247	74.000	5.967	PK
9			5939.138	56.800	50.798	-17.200	74.000	6.002	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: 2016/08/15 - 19:55
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 1	

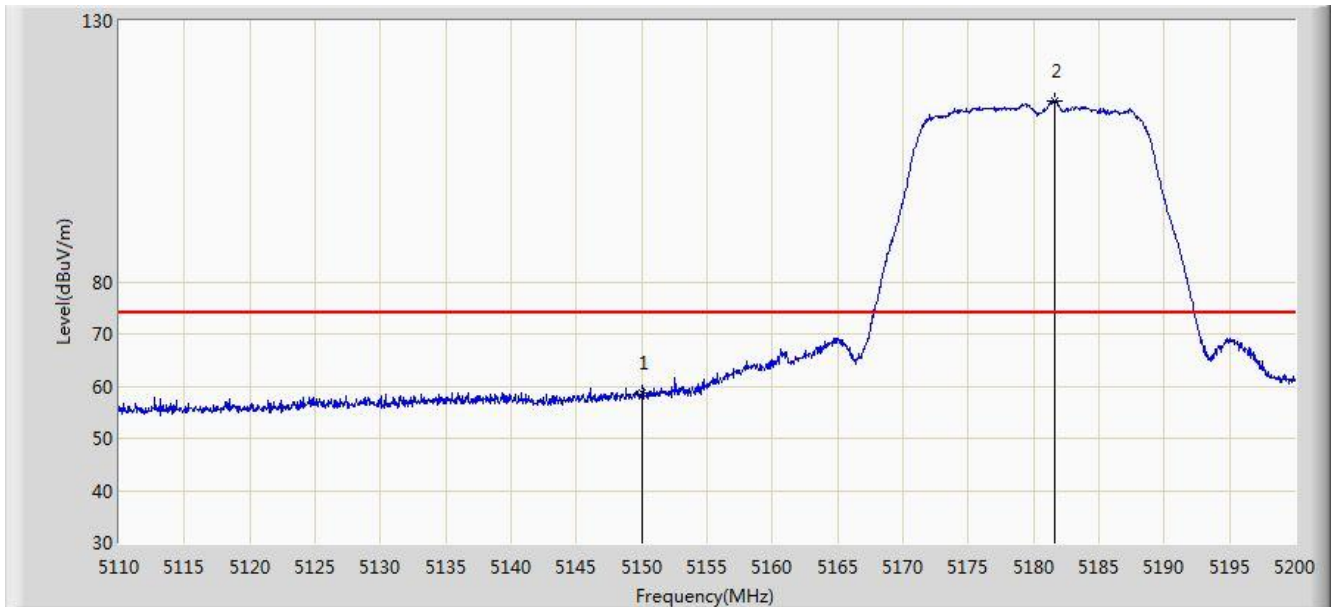


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.763	109.365	103.964	N/A	N/A	5.400	PK
2			5850.000	66.807	61.081	-55.393	122.200	5.726	PK
3			5853.862	67.372	61.630	-46.022	113.394	5.741	PK
4			5855.000	66.652	60.906	-44.148	110.800	5.746	PK
5			5857.575	66.751	60.994	-43.327	110.078	5.756	PK
6			5875.000	59.720	53.900	-45.480	105.200	5.820	PK
7			5878.163	60.699	54.868	-42.520	103.218	5.830	PK
8			5925.000	55.294	49.328	-18.706	74.000	5.967	PK
9			5936.325	56.693	50.698	-17.307	74.000	5.995	PK

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

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

Site: AC1	Time: 2016/08/15 - 19:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 1	

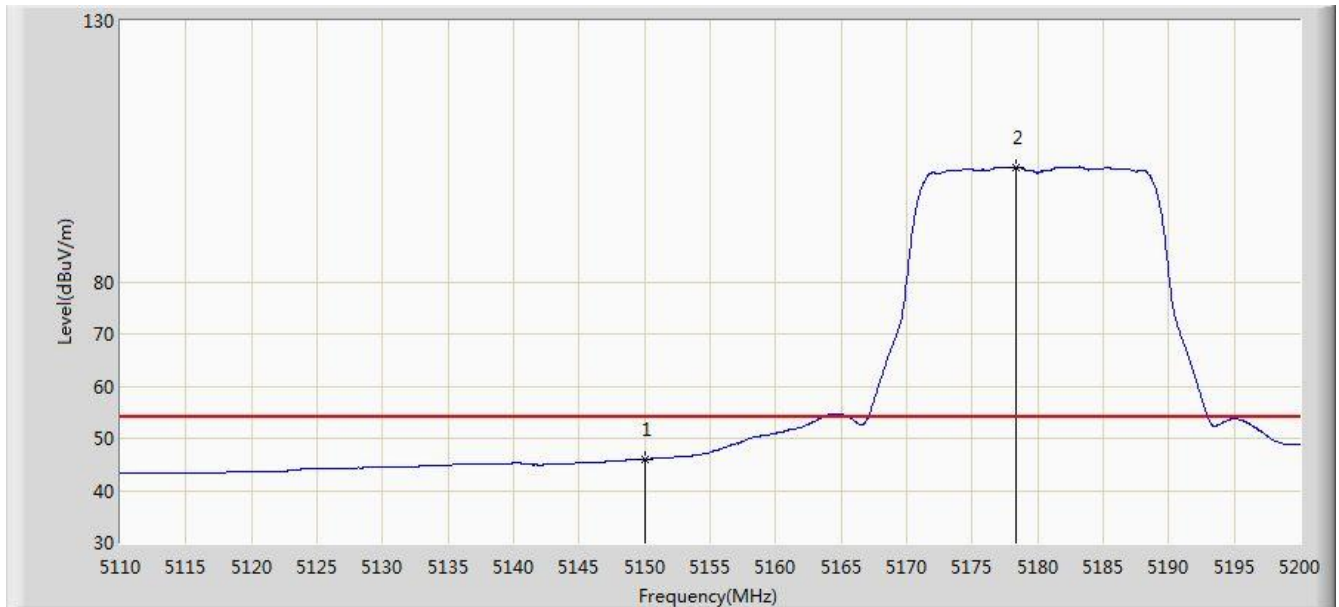


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	58.682	54.513	-15.318	74.000	4.170	PK
2		*	5181.595	114.681	110.618	N/A	N/A	4.063	PK

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

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

Site: AC1	Time: 2016/08/15 - 19:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 1	

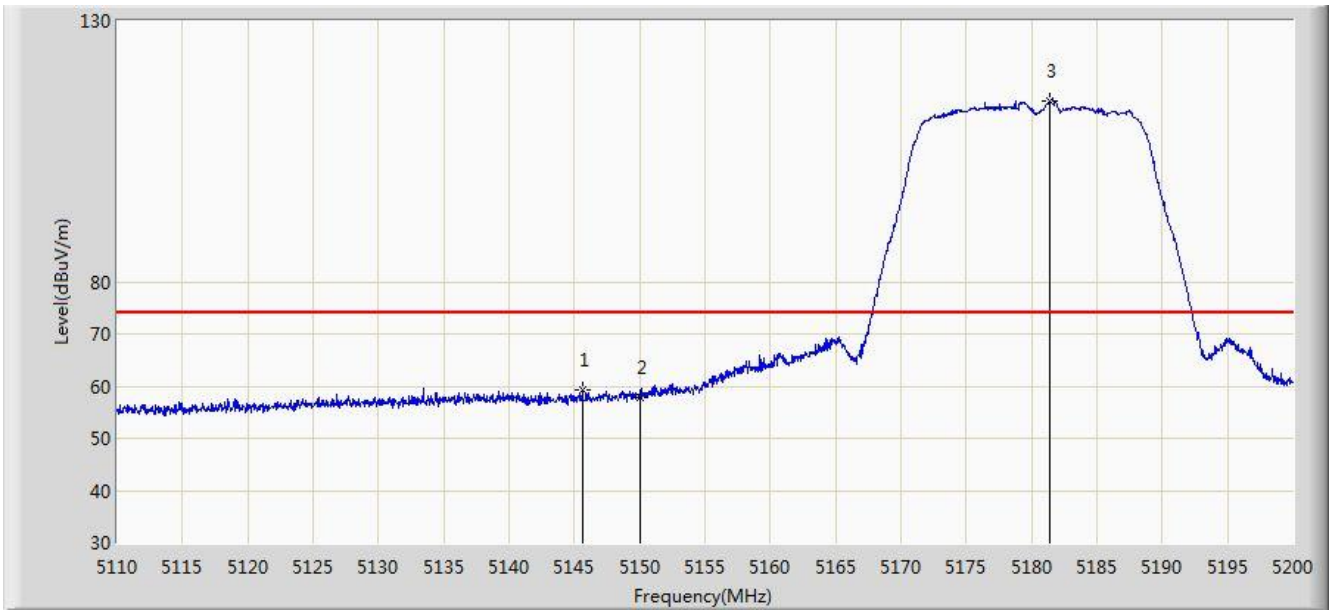


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.933	41.764	-8.067	54.000	4.170	AV
2		*	5178.310	101.904	97.829	N/A	N/A	4.075	AV

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

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

Site: AC1	Time: 2016/08/15 - 19:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 1	

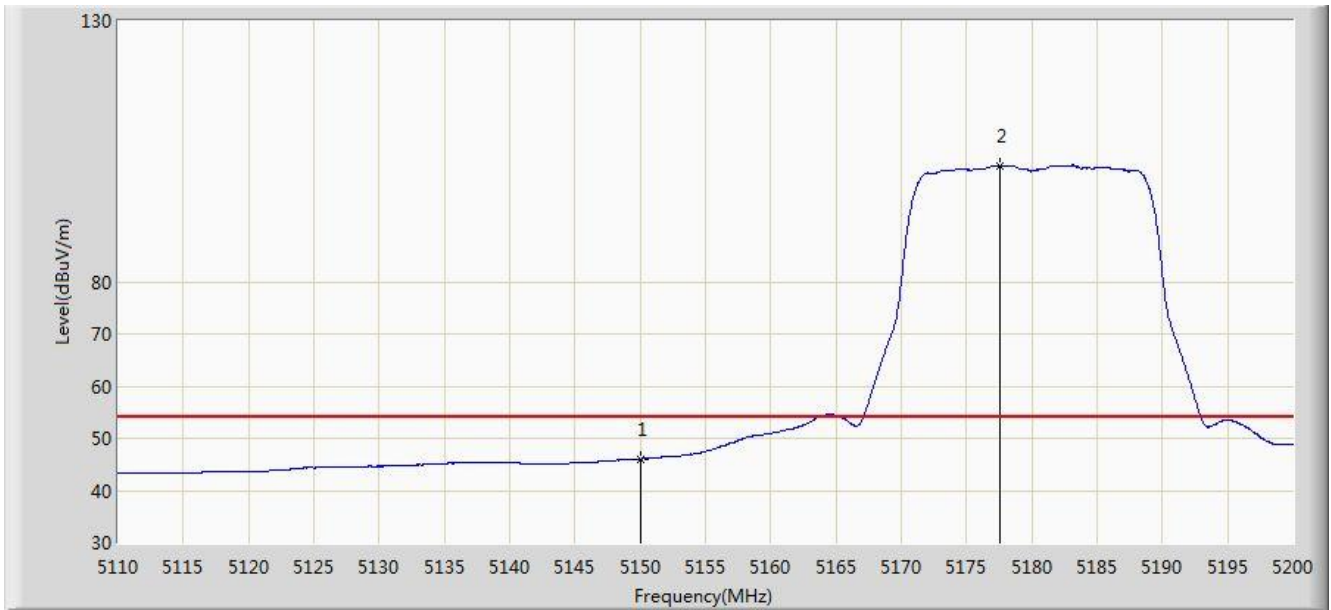


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.640	59.392	55.216	-14.608	74.000	4.176	PK
2			5150.000	57.882	53.713	-16.118	74.000	4.170	PK
3		*	5181.370	114.674	110.610	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2016/08/15 - 19:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 1	

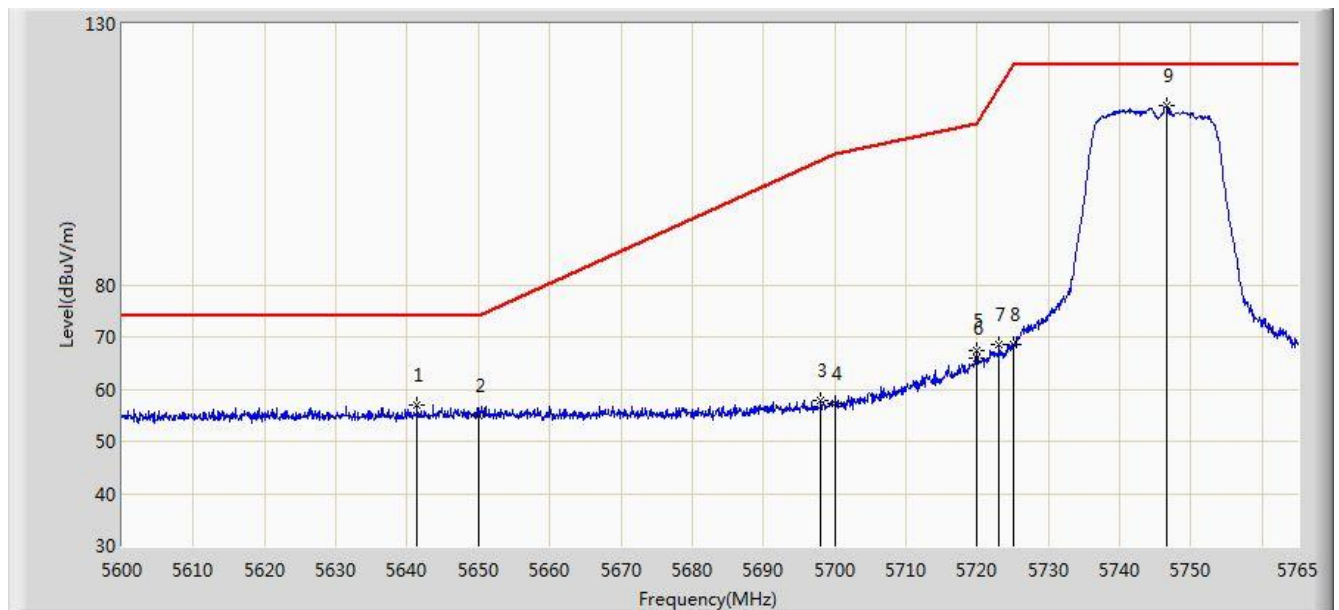


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.022	41.853	-7.978	54.000	4.170	AV
2		*	5177.500	102.210	98.132	N/A	N/A	4.077	AV

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

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

Site: AC1	Time: 2016/08/15 - 20:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 1	

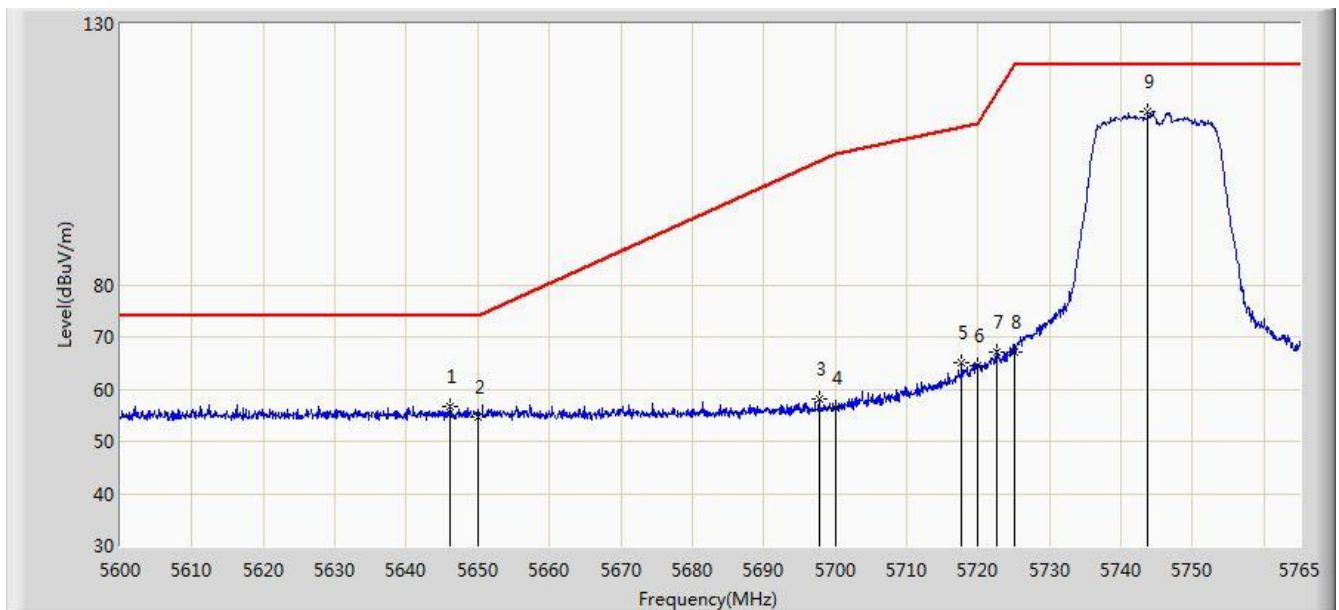


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5641.415	56.864	52.222	-17.136	74.000	4.643	PK
2			5650.000	54.789	50.118	-19.211	74.000	4.671	PK
3			5698.092	57.866	52.998	-46.148	104.014	4.868	PK
4			5700.000	57.177	52.299	-48.023	105.200	4.878	PK
5			5719.873	67.316	62.320	-43.448	110.765	4.997	PK
6			5720.000	65.926	60.929	-44.874	110.800	4.997	PK
7			5723.090	68.411	63.394	-49.436	117.846	5.017	PK
8			5725.000	68.627	63.598	-53.573	122.200	5.029	PK
9		*	5746.520	114.356	109.192	N/A	N/A	5.163	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: 2016/08/15 - 20:08
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 1	

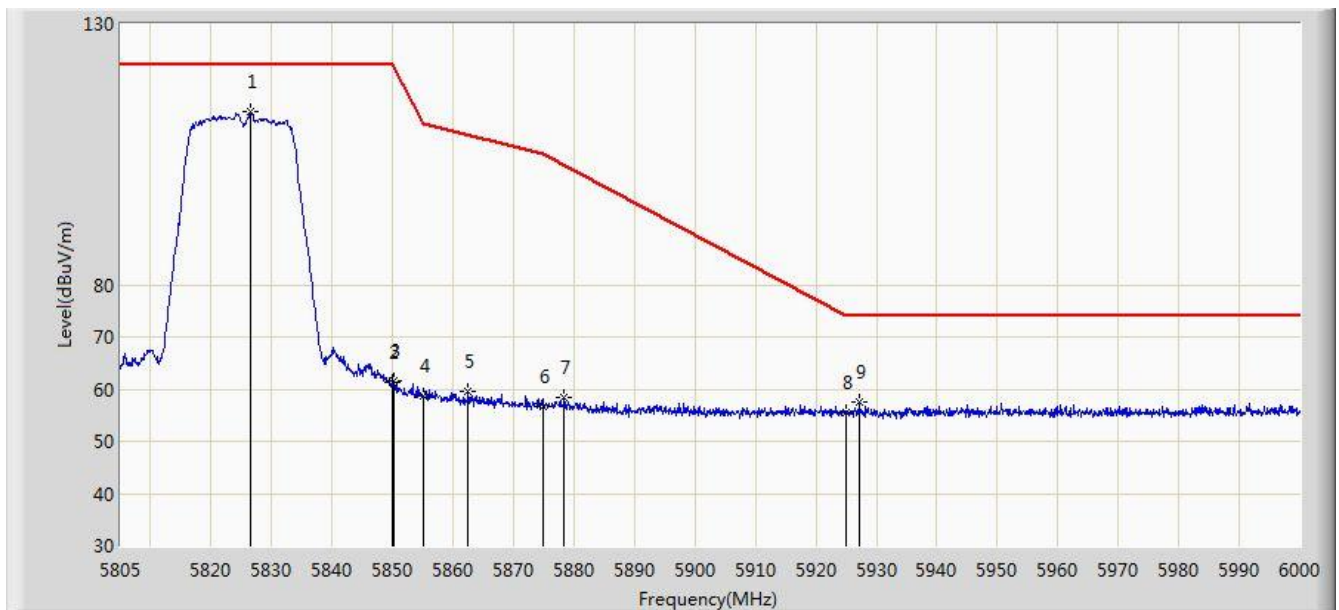


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5646.035	56.811	52.153	-17.189	74.000	4.658	PK
2			5650.000	54.561	49.890	-19.439	74.000	4.671	PK
3			5697.763	58.095	53.229	-45.715	103.810	4.866	PK
4			5700.000	56.272	51.394	-48.928	105.200	4.878	PK
5			5717.728	65.007	60.025	-45.158	110.165	4.982	PK
6			5720.000	64.538	59.541	-46.262	110.800	4.997	PK
7			5722.678	67.242	62.228	-49.665	116.907	5.014	PK
8			5725.000	67.238	62.209	-54.962	122.200	5.029	PK
9		*	5743.797	113.130	107.982	N/A	N/A	5.148	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: 2016/08/15 - 20:09
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 1	

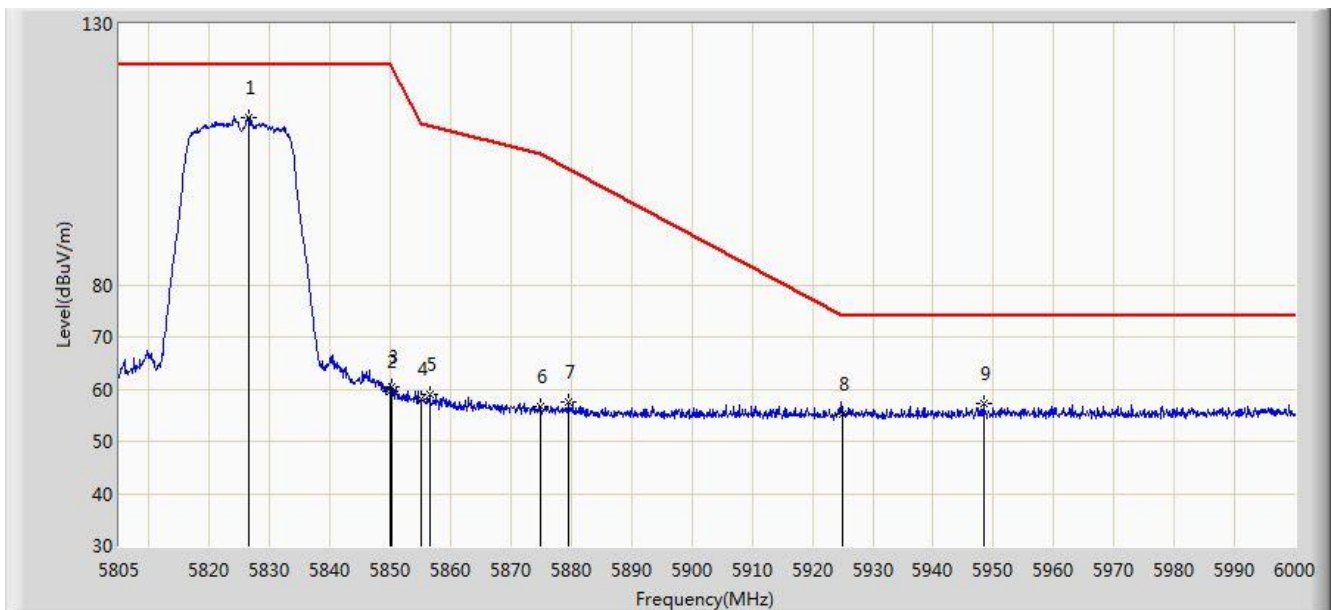


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.450	113.098	107.502	N/A	N/A	5.596	PK
2			5850.000	61.171	55.445	-61.029	122.200	5.726	PK
3			5850.143	61.730	56.004	-60.144	121.874	5.726	PK
4			5855.000	58.613	52.867	-52.187	110.800	5.746	PK
5			5862.525	59.433	53.656	-49.258	108.691	5.777	PK
6			5875.000	56.808	50.988	-48.392	105.200	5.820	PK
7			5878.417	58.320	52.488	-44.740	103.059	5.831	PK
8			5925.000	55.582	49.616	-18.418	74.000	5.967	PK
9			5927.167	57.521	51.549	-16.479	74.000	5.973	PK

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

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

Site: AC1	Time: 2016/08/15 - 20:13
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 1	

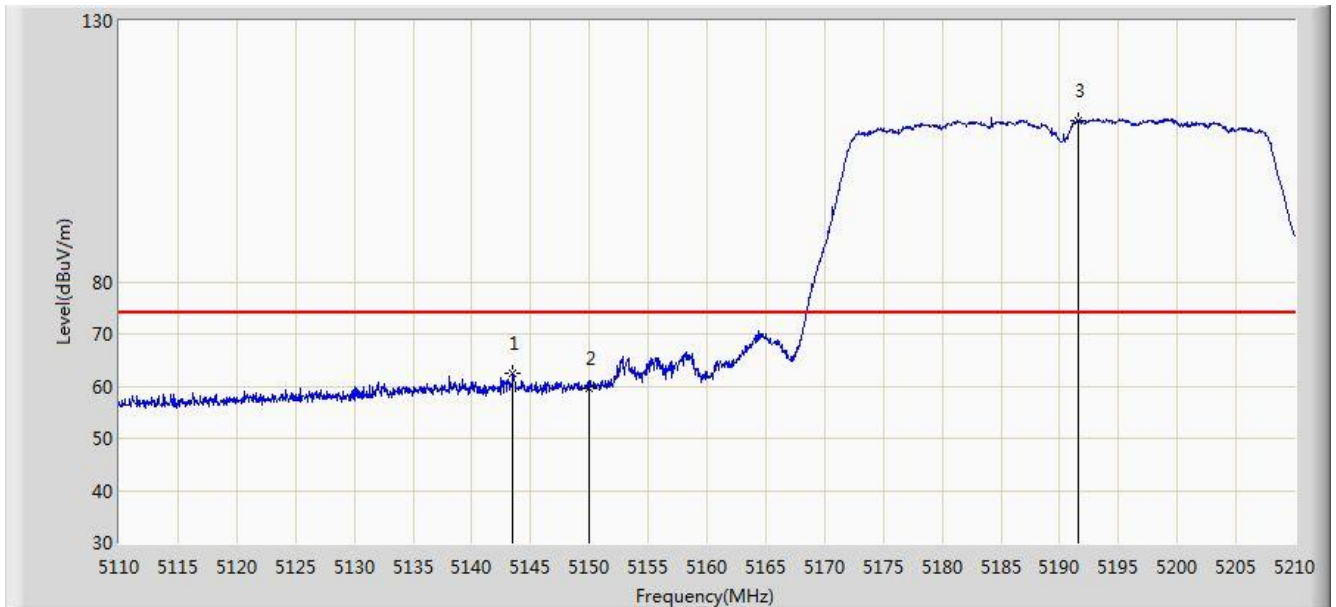


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.547	111.948	106.351	N/A	N/A	5.596	PK
2			5850.000	59.699	53.973	-62.501	122.200	5.726	PK
3			5850.240	60.520	54.793	-61.133	121.653	5.726	PK
4			5855.000	58.032	52.286	-52.768	110.800	5.746	PK
5			5856.578	59.042	53.289	-51.316	110.357	5.753	PK
6			5875.000	56.659	50.839	-48.541	105.200	5.820	PK
7			5879.587	57.610	51.774	-44.717	102.327	5.836	PK
8			5925.000	55.311	49.345	-18.689	74.000	5.967	PK
9			5948.325	57.192	51.169	-16.808	74.000	6.023	PK

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

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

Site: AC1	Time: 2016/08/15 - 20:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 1	

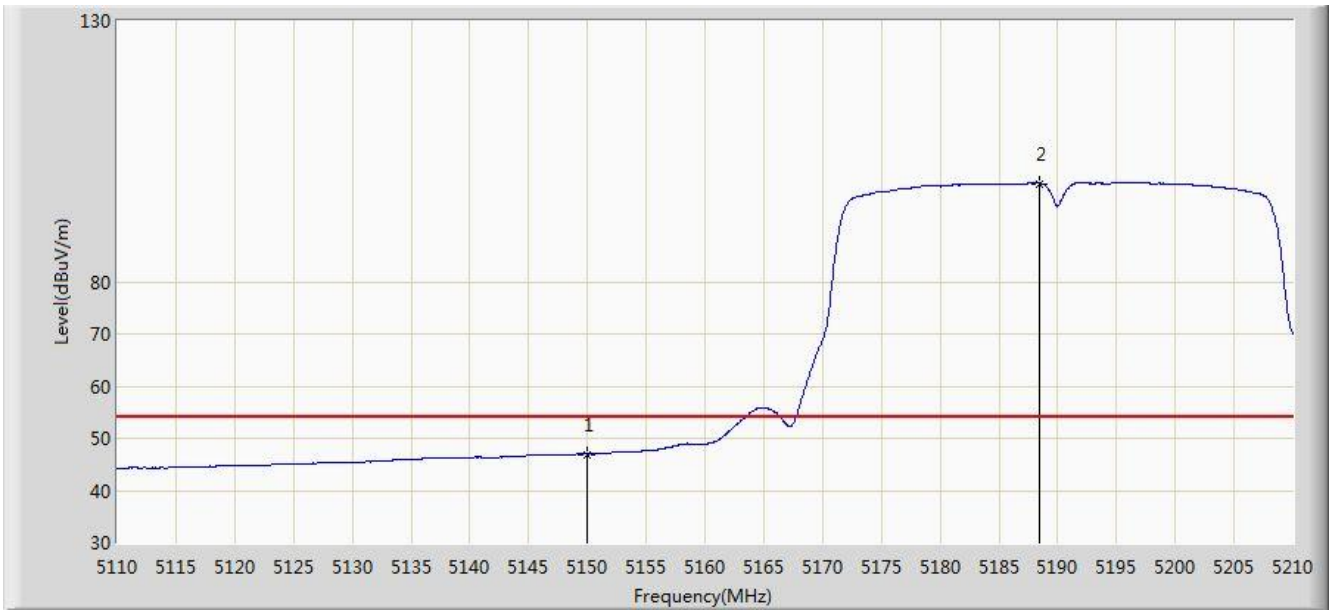


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.500	62.454	58.278	-11.546	74.000	4.175	PK
2			5150.000	59.449	55.280	-14.551	74.000	4.170	PK
3		*	5191.550	110.933	106.905	N/A	N/A	4.027	PK

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

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

Site: AC1	Time: 2016/08/15 - 20:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 1	

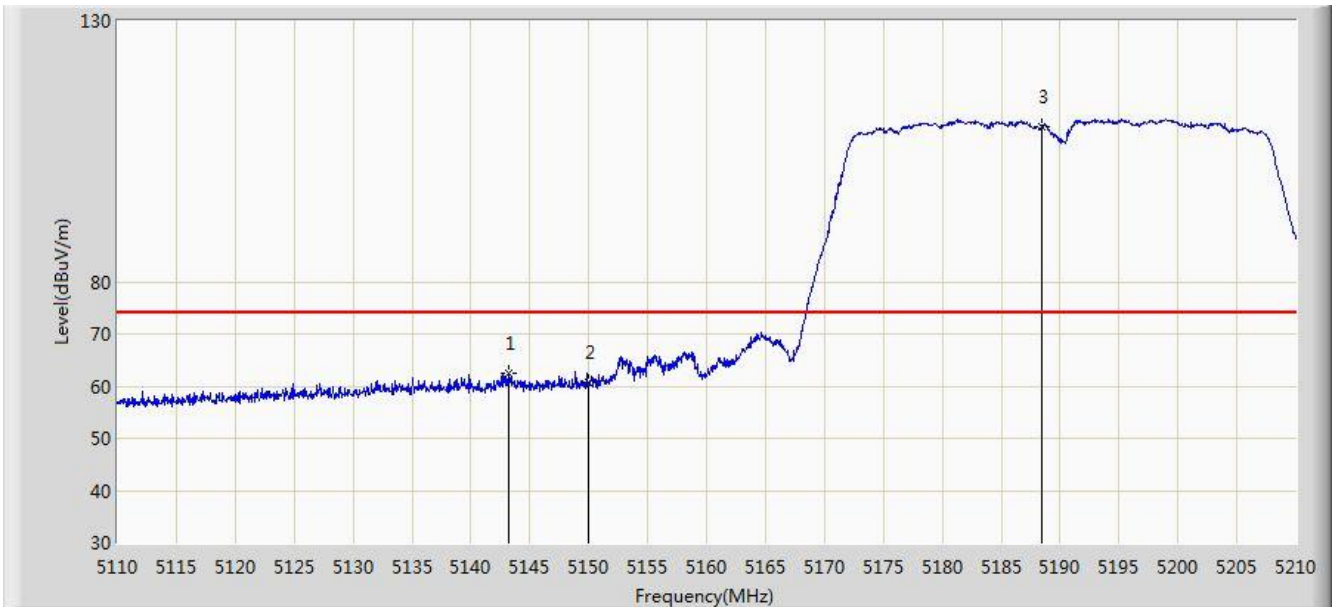


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.943	42.774	-7.057	54.000	4.170	AV
2		*	5188.500	98.836	94.797	N/A	N/A	4.039	AV

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: 2016/08/15 - 20:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 1	

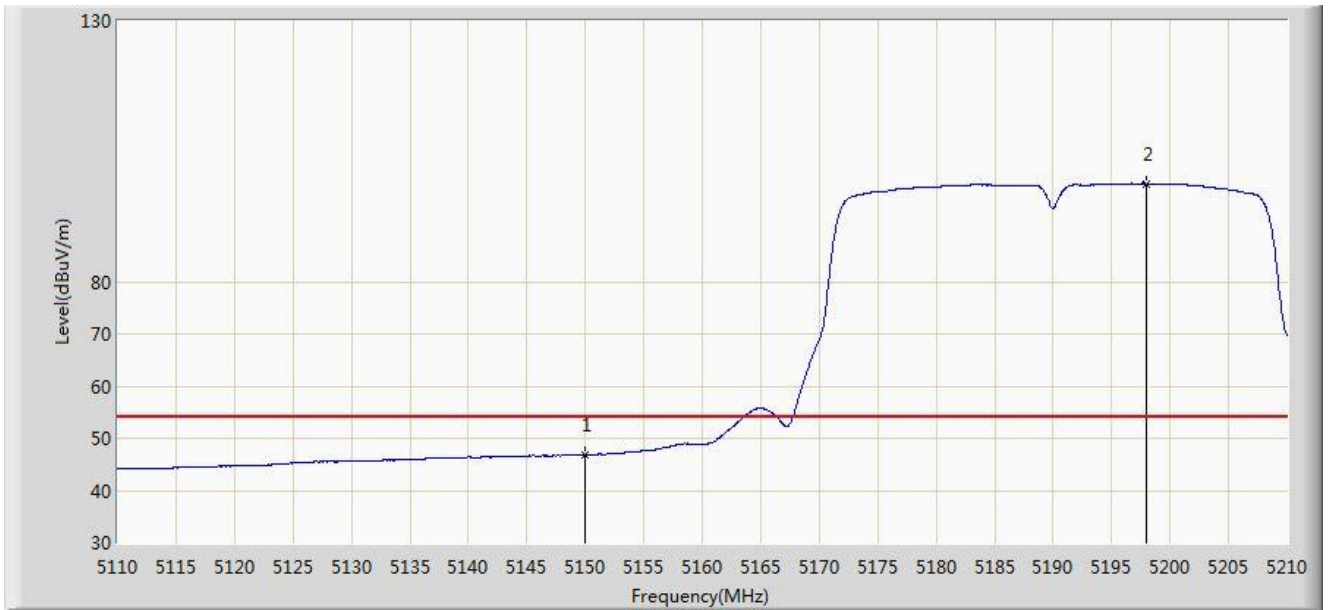


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.250	62.325	58.149	-11.675	74.000	4.176	PK
2			5150.000	60.650	56.481	-13.350	74.000	4.170	PK
3		*	5188.500	109.821	105.782	N/A	N/A	4.039	PK

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

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

Site: AC1	Time: 2016/08/15 - 20:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 1	

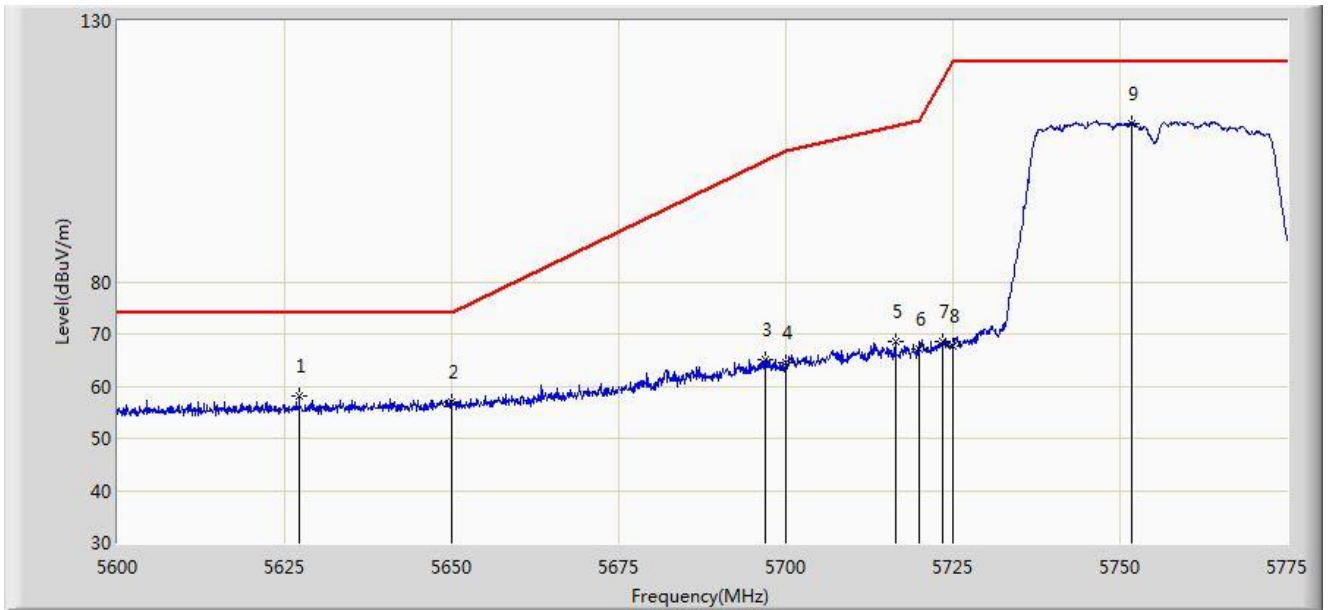


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.747	42.578	-7.253	54.000	4.170	AV
2		*	5197.950	98.794	94.789	N/A	N/A	4.006	AV

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

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

Site: AC1	Time: 2016/08/15 - 20:26
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 1	

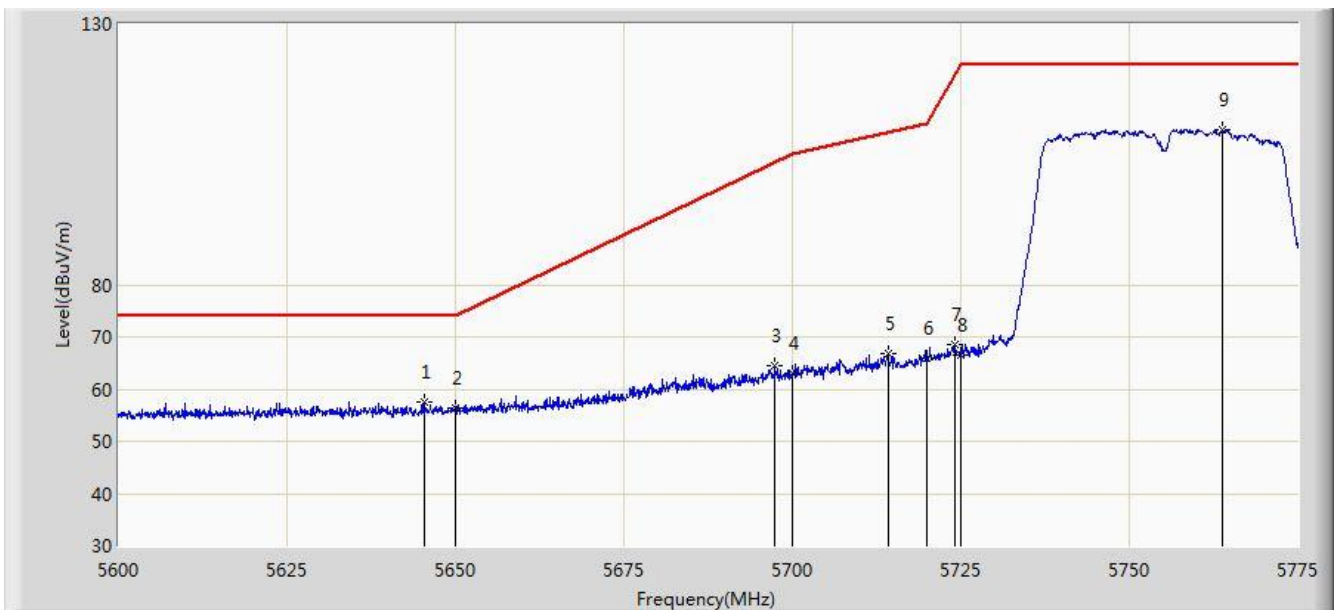


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5627.212	57.972	53.371	-16.028	74.000	4.601	PK
2			5650.000	57.004	52.333	-16.996	74.000	4.671	PK
3			5697.038	65.181	60.318	-38.179	103.359	4.863	PK
4			5700.000	64.497	59.619	-40.703	105.200	4.878	PK
5			5716.375	68.480	63.506	-41.307	109.786	4.974	PK
6			5720.000	67.164	62.167	-43.636	110.800	4.997	PK
7			5723.375	68.674	63.655	-49.823	118.496	5.018	PK
8			5725.000	67.763	62.734	-54.437	122.200	5.029	PK
9		*	5751.812	110.421	105.227	N/A	N/A	5.194	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: 2016/08/15 - 20:27
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 1	

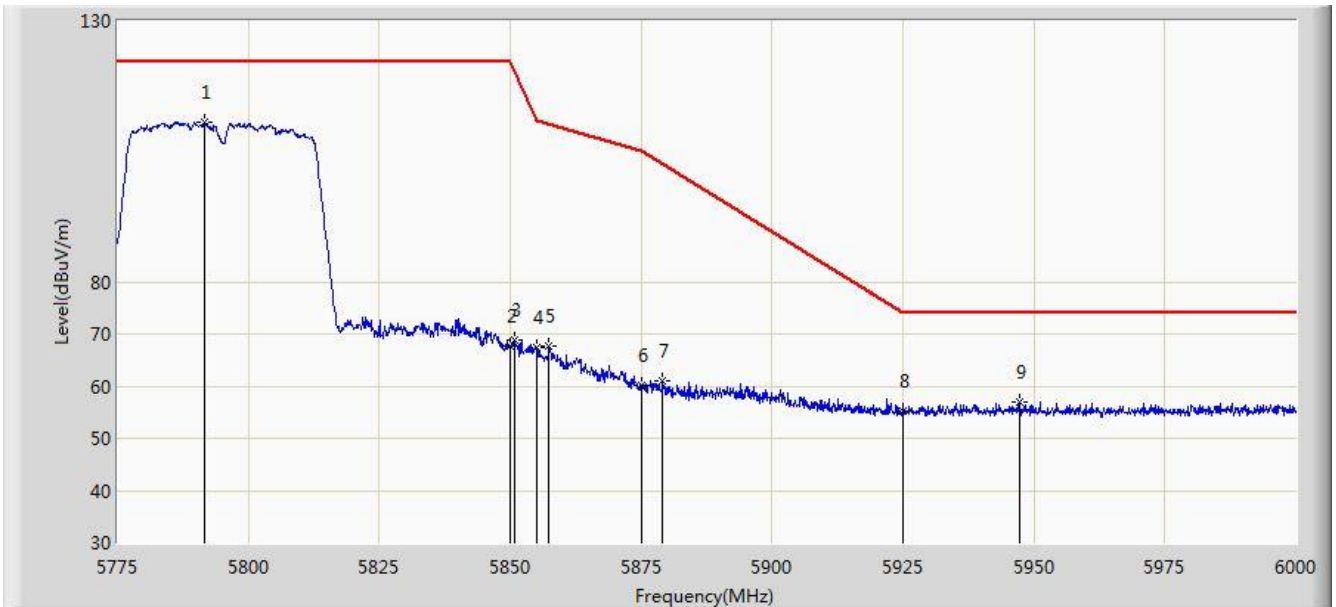


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5645.325	57.587	52.932	-16.413	74.000	4.655	PK
2			5650.000	56.377	51.706	-17.623	74.000	4.671	PK
3			5697.475	64.353	59.488	-39.278	103.631	4.865	PK
4			5700.000	62.980	58.102	-42.220	105.200	4.878	PK
5			5714.275	66.692	61.732	-42.507	109.199	4.960	PK
6			5720.000	65.951	60.954	-44.849	110.800	4.997	PK
7			5724.163	68.603	63.579	-51.690	120.292	5.024	PK
8			5725.000	66.432	61.403	-55.768	122.200	5.029	PK
9		*	5763.888	109.821	104.561	N/A	N/A	5.259	PK

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

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

Site: AC1	Time: 2016/08/15 - 20:28
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 1	

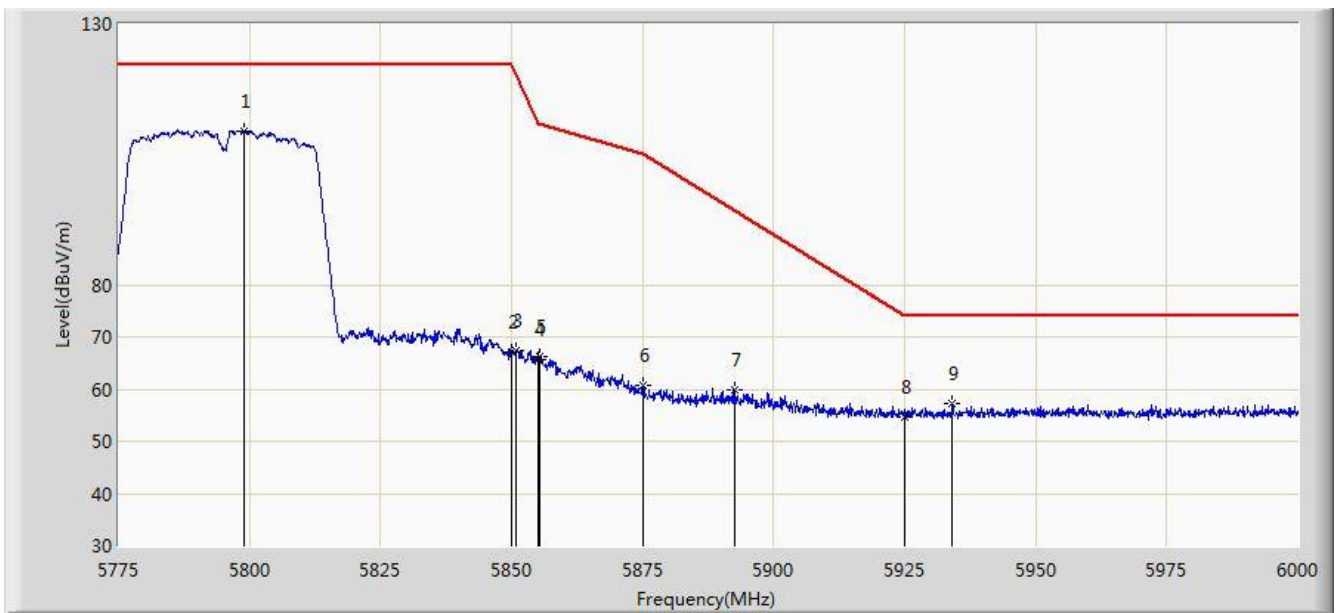


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.763	110.455	105.054	N/A	N/A	5.400	PK
2			5850.000	67.752	62.026	-54.448	122.200	5.726	PK
3			5850.712	68.800	63.072	-51.776	120.576	5.729	PK
4			5855.000	67.488	61.742	-43.312	110.800	5.746	PK
5			5857.462	67.591	61.835	-42.518	110.110	5.756	PK
6			5875.000	60.099	54.279	-45.101	105.200	5.820	PK
7			5879.175	60.928	55.094	-41.656	102.585	5.834	PK
8			5925.000	55.214	49.248	-18.786	74.000	5.967	PK
9			5947.350	56.947	50.926	-17.053	74.000	6.021	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: 2016/08/15 - 20:29
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 1	

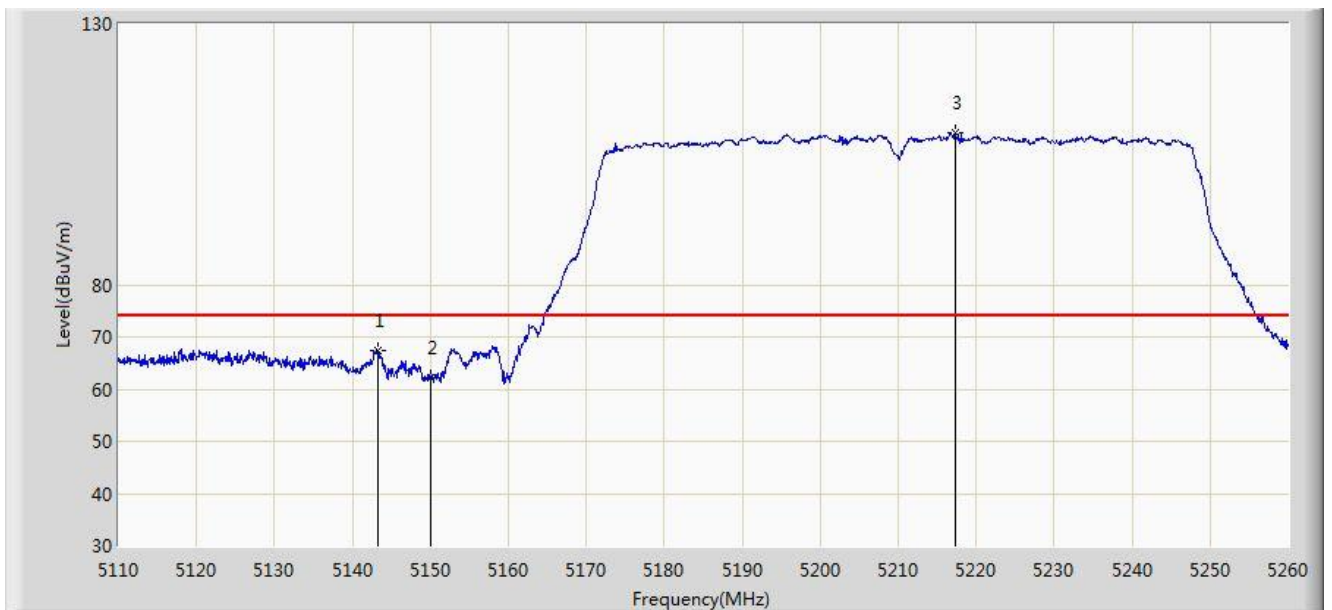


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5799.075	109.482	104.042	N/A	N/A	5.440	PK
2			5850.000	67.058	61.332	-55.142	122.200	5.726	PK
3			5850.712	67.472	61.744	-53.104	120.576	5.729	PK
4			5855.000	65.790	60.044	-45.010	110.800	5.746	PK
5			5855.437	66.290	60.542	-44.387	110.677	5.749	PK
6			5875.000	60.645	54.825	-44.555	105.200	5.820	PK
7			5892.675	59.877	53.996	-34.264	94.141	5.881	PK
8			5925.000	54.677	48.711	-19.323	74.000	5.967	PK
9			5934.075	57.306	51.317	-16.694	74.000	5.990	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: 2016/08/15 - 20:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 1	

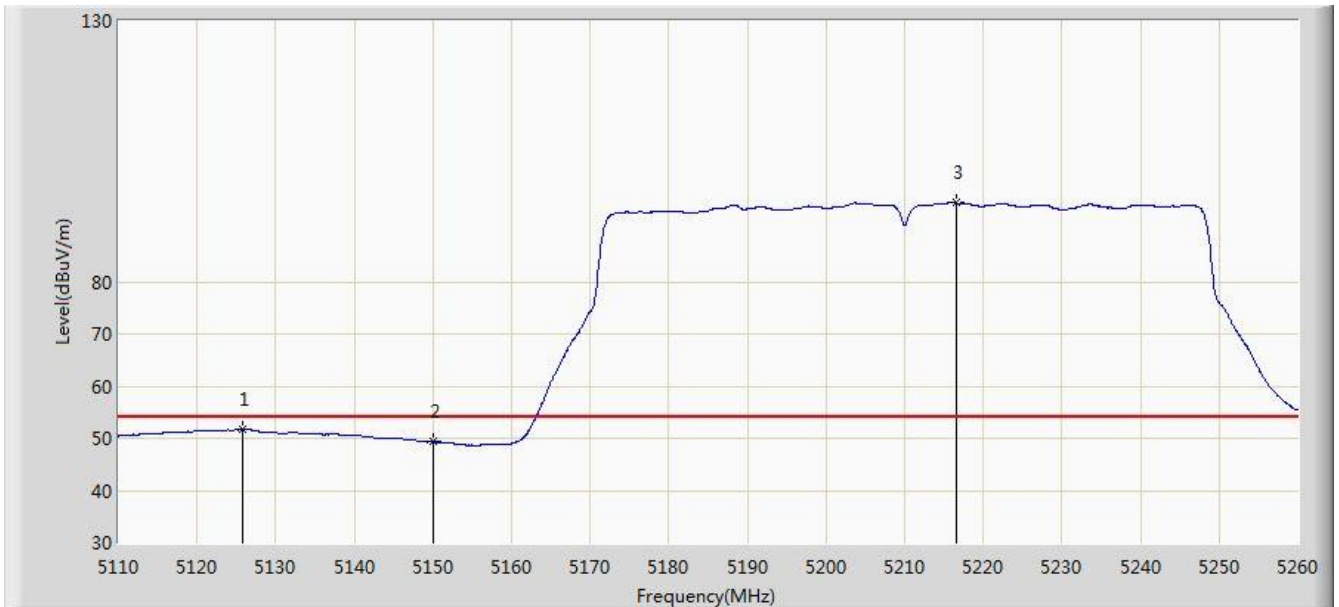


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.225	67.424	63.248	-6.576	74.000	4.176	PK
2			5150.000	62.178	58.009	-11.822	74.000	4.170	PK
3		*	5217.250	109.111	105.164	N/A	N/A	3.947	PK

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

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

Site: AC1	Time: 2016/08/15 - 20:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 1	

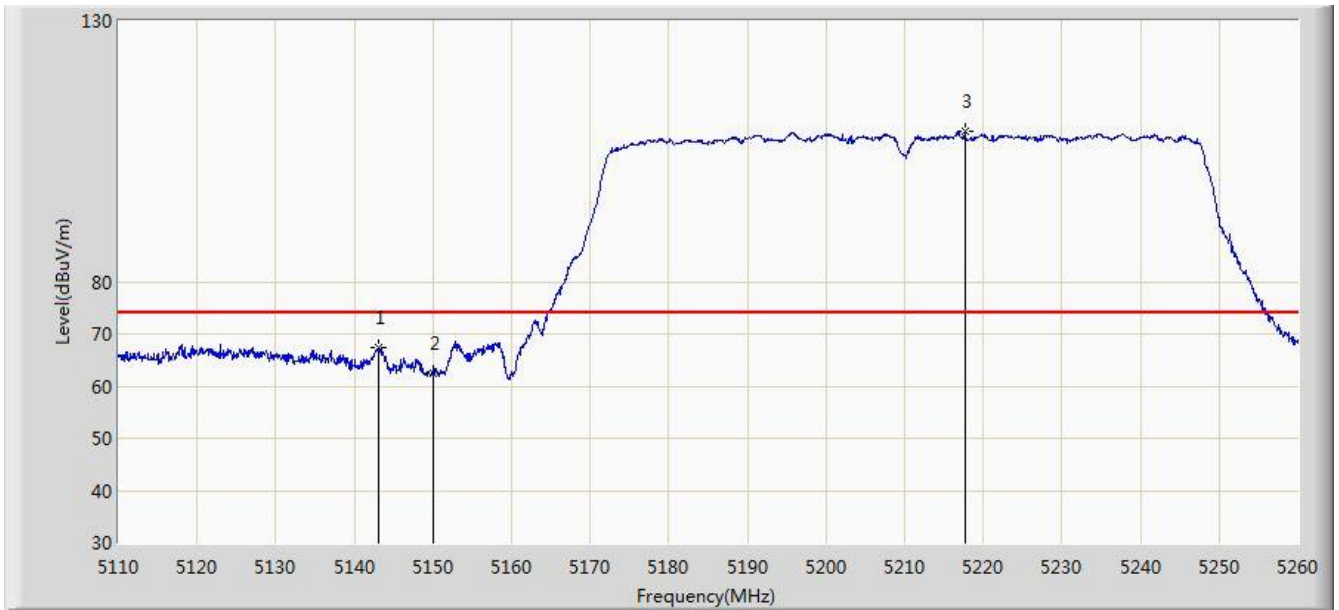


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5125.750	51.693	47.518	-2.307	54.000	4.174	AV
2			5150.000	49.331	45.162	-4.669	54.000	4.170	AV
3		*	5216.500	95.156	91.207	N/A	N/A	3.950	AV

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

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

Site: AC1	Time: 2016/08/15 - 20:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 1	

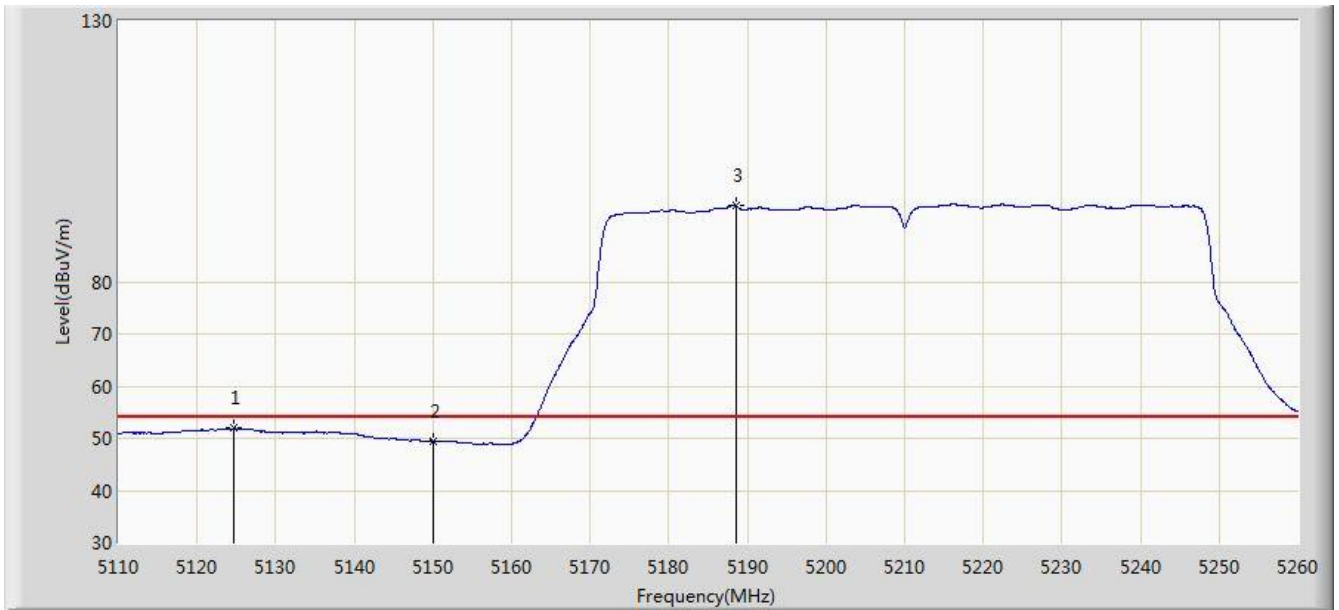


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.075	67.510	63.334	-6.490	74.000	4.176	PK
2			5150.000	62.495	58.326	-11.505	74.000	4.170	PK
3		*	5217.625	108.909	104.963	N/A	N/A	3.946	PK

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: 2016/08/15 - 20:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 1	

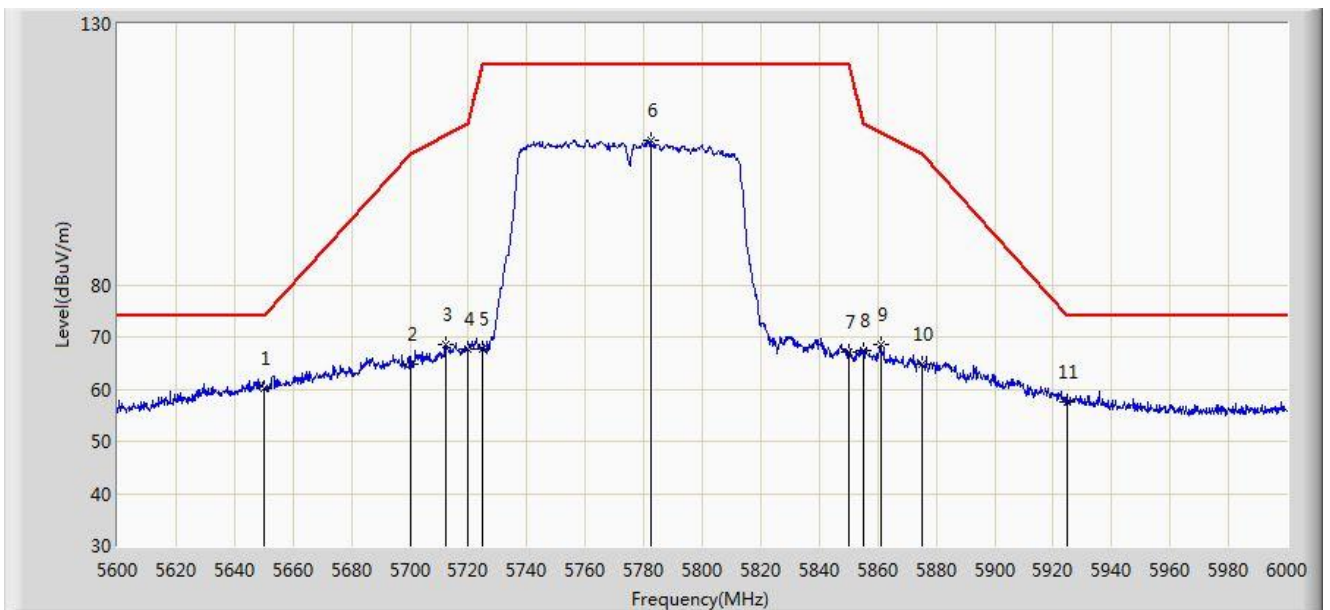


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5124.700	51.898	47.723	-2.102	54.000	4.175	AV
2			5150.000	49.524	45.355	-4.476	54.000	4.170	AV
3		*	5188.525	94.493	90.454	40.493	54.000	4.039	AV

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: 2016/08/15 - 20:41
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 1	

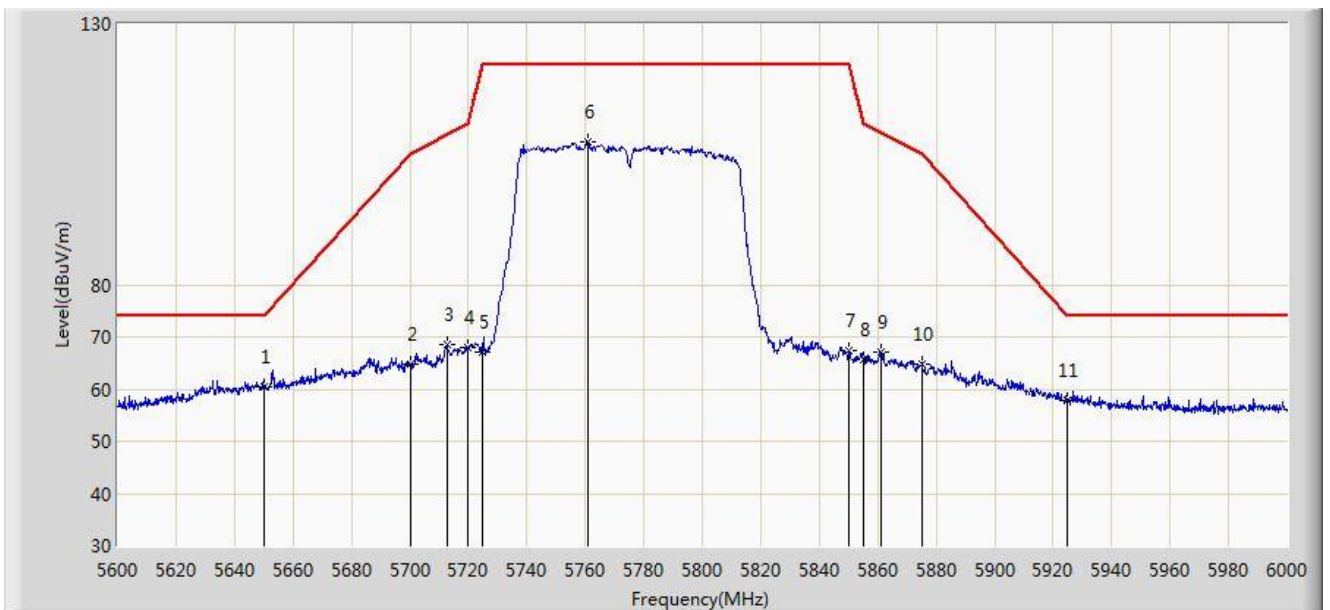


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5650.000	60.062	55.391	-13.938	74.000	4.671	PK
2			5700.000	64.752	59.874	-40.448	105.200	4.878	PK
3			5712.200	68.501	63.554	-40.118	108.618	4.946	PK
4			5720.000	67.559	62.562	-43.241	110.800	4.997	PK
5			5725.000	67.568	62.539	-54.632	122.200	5.029	PK
6			5782.600	107.564	102.209	N/A	N/A	5.354	PK
7			5850.000	67.054	61.328	-55.146	122.200	5.726	PK
8			5855.000	67.292	61.546	-43.508	110.800	5.746	PK
9			5861.000	68.483	62.712	-40.635	109.118	5.771	PK
10			5875.000	64.800	58.980	-40.400	105.200	5.820	PK
11			5925.000	57.522	51.556	-16.478	74.000	5.967	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: 2016/08/15 - 20:43
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 1	

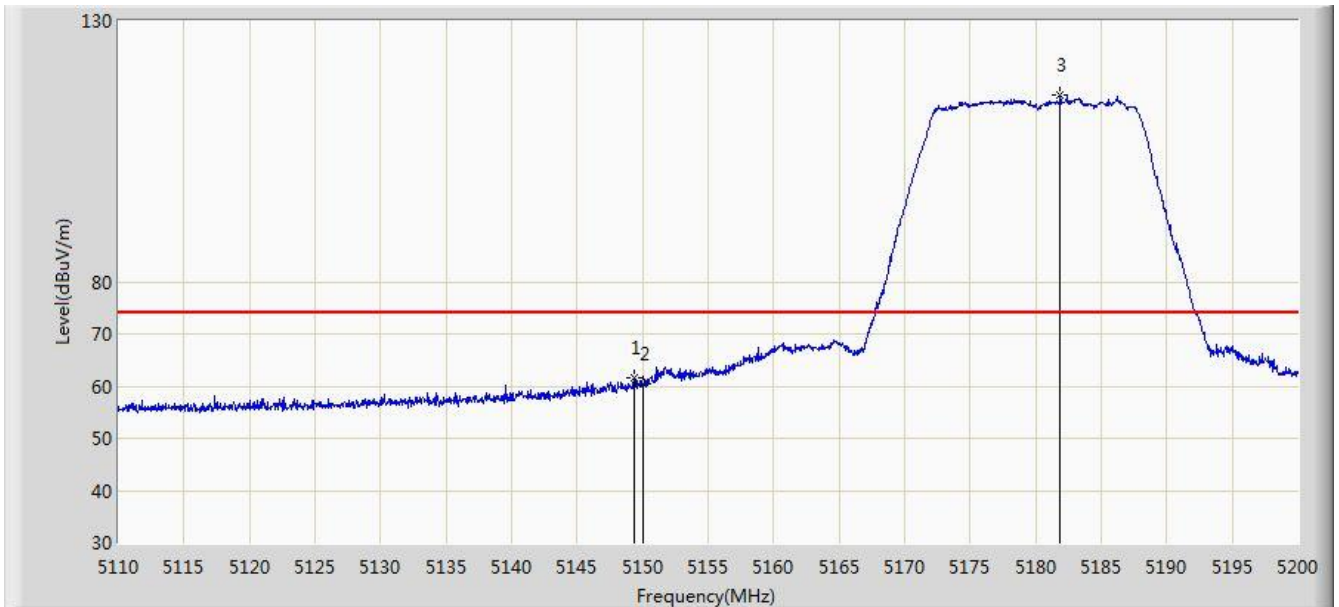


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5650.000	60.384	55.713	-13.616	74.000	4.671	PK
2			5700.000	64.806	59.928	-40.394	105.200	4.878	PK
3			5712.600	68.446	63.497	-40.284	108.730	4.949	PK
4			5720.000	67.945	62.948	-42.855	110.800	4.997	PK
5			5725.000	67.146	62.117	-55.054	122.200	5.029	PK
6			5761.000	107.285	102.040	N/A	N/A	5.245	PK
7			5850.000	67.291	61.565	-54.909	122.200	5.726	PK
8			5855.000	65.774	60.028	-45.026	110.800	5.746	PK
9			5861.000	67.157	61.386	-41.961	109.118	5.771	PK
10			5875.000	64.747	58.927	-40.453	105.200	5.820	PK
11			5925.000	57.771	51.805	-16.229	74.000	5.967	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: 2016/08/15 - 20:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 2	

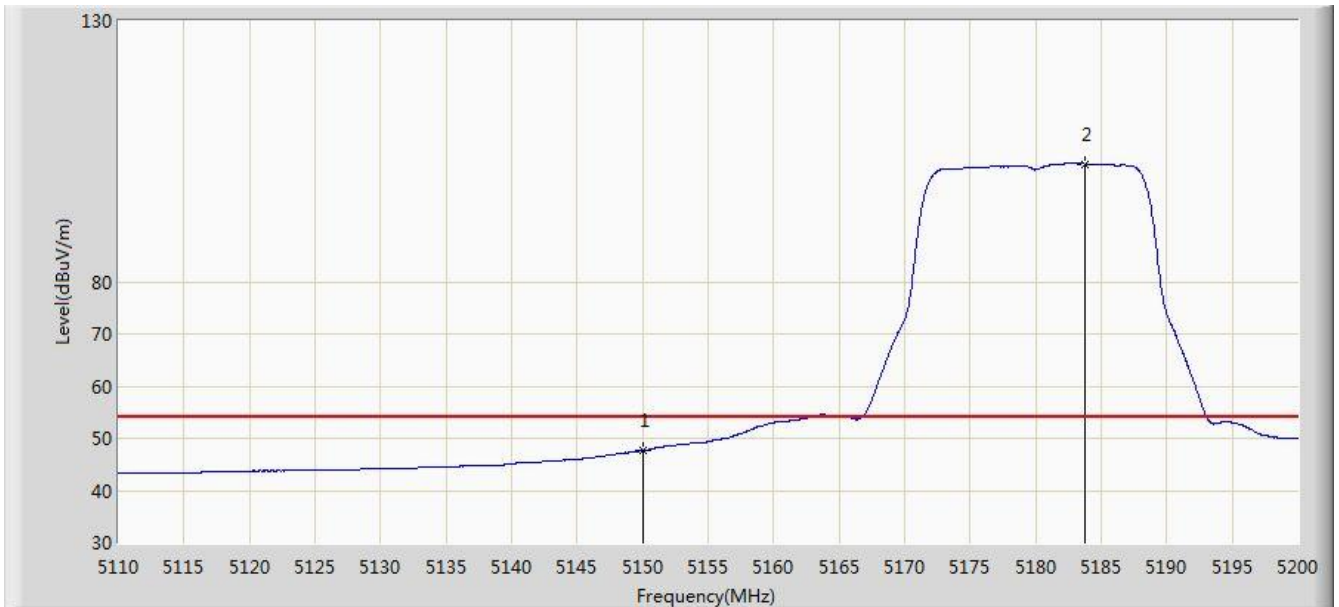


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.375	61.554	57.383	-12.446	74.000	4.171	PK
2			5150.000	60.308	56.139	-13.692	74.000	4.170	PK
3		*	5181.865	115.700	111.638	N/A	N/A	4.062	PK

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

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

Site: AC1	Time: 2016/08/15 - 20:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 2	

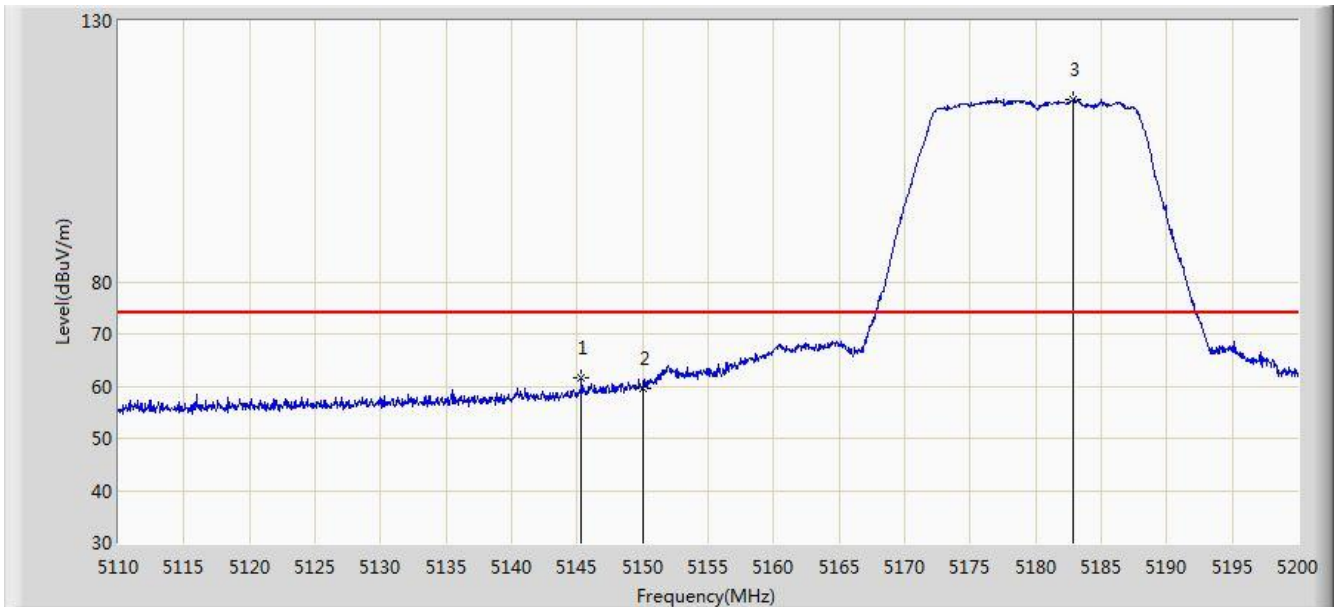


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.697	43.528	-6.303	54.000	4.170	AV
2		*	5183.710	102.595	98.539	N/A	N/A	4.056	AV

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

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

Site: AC1	Time: 2016/08/15 - 20:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 2	

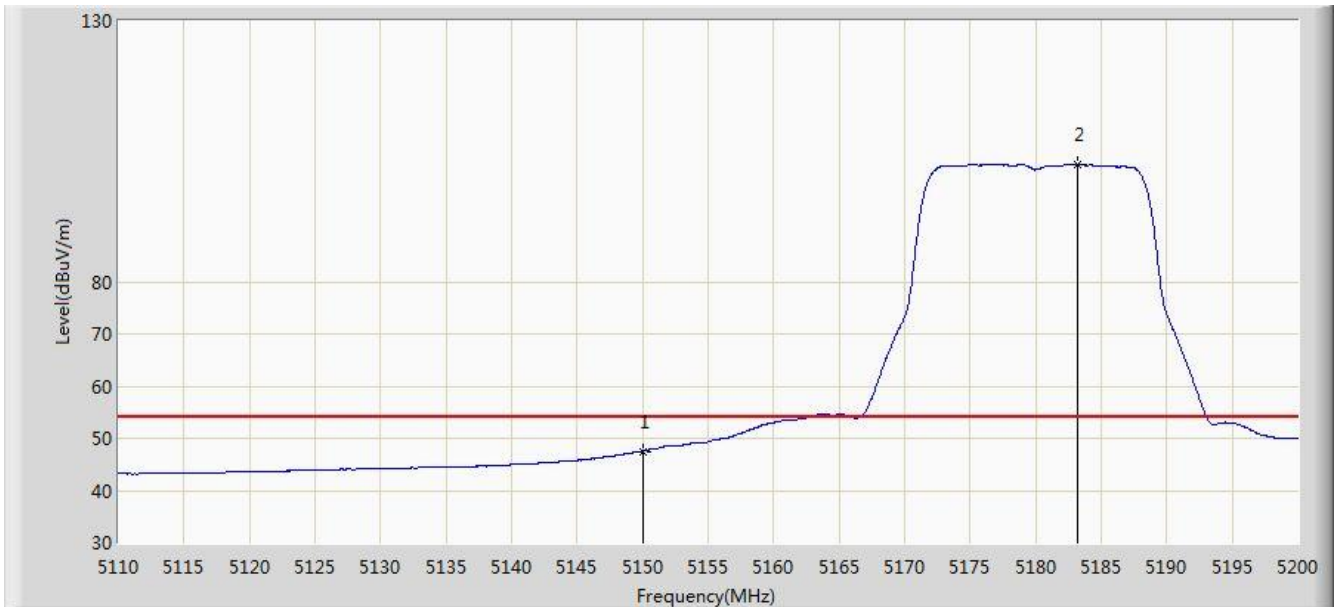


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.325	61.560	57.384	-12.440	74.000	4.176	PK
2			5150.000	59.626	55.457	-14.374	74.000	4.170	PK
3		*	5182.900	114.982	110.923	N/A	N/A	4.059	PK

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

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

Site: AC1	Time: 2016/08/15 - 20:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 2	

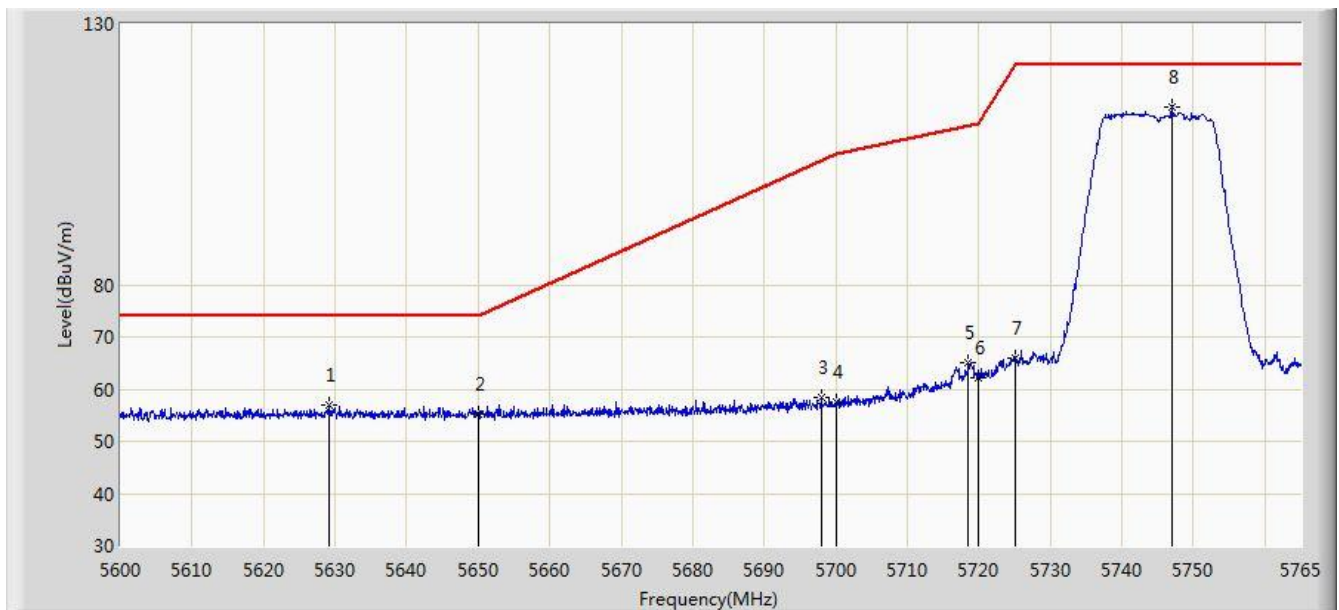


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.522	43.353	-6.478	54.000	4.170	AV
2		*	5183.170	102.555	98.497	N/A	N/A	4.057	AV

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

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

Site: AC1	Time: 2016/08/15 - 21:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 2	

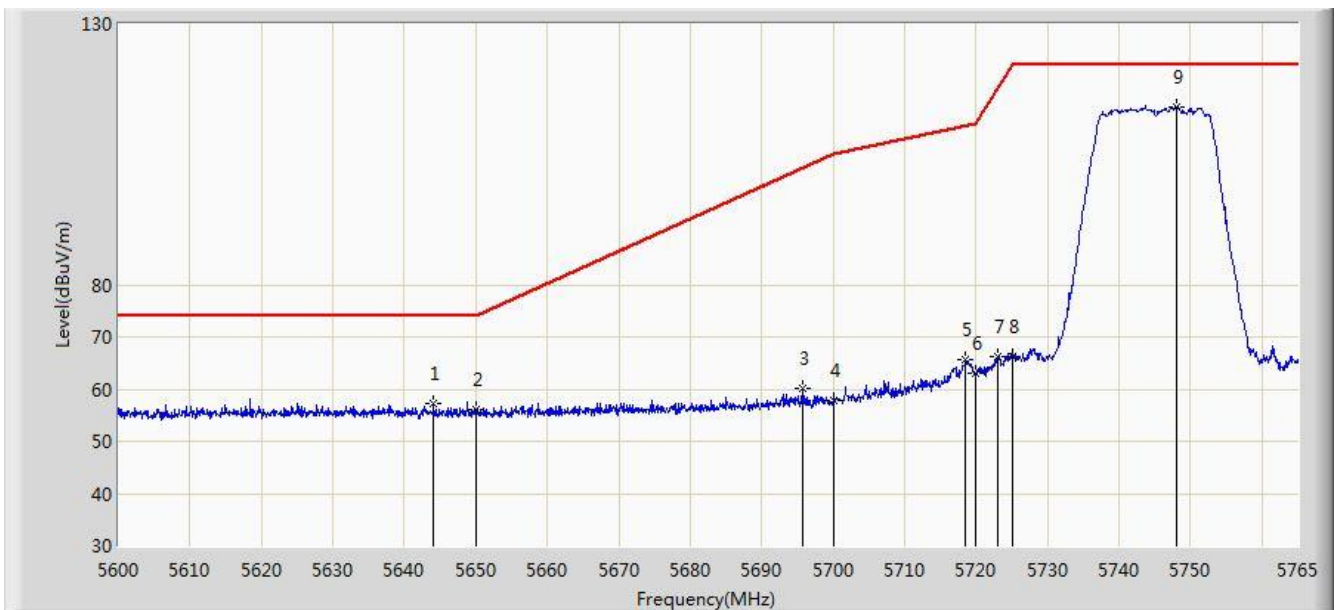


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5629.123	56.914	52.307	-17.086	74.000	4.607	PK
2			5650.000	55.276	50.605	-18.724	74.000	4.671	PK
3			5698.010	58.371	53.503	-45.593	103.963	4.868	PK
4			5700.000	57.392	52.514	-47.808	105.200	4.878	PK
5			5718.553	64.959	59.971	-45.437	110.395	4.988	PK
6			5720.000	62.231	57.234	-48.569	110.800	4.997	PK
7			5725.000	65.909	60.880	-56.291	122.200	5.029	PK
8		*	5746.933	114.199	109.033	N/A	N/A	5.166	PK

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

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

Site: AC1	Time: 2016/08/15 - 21:08
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 2	

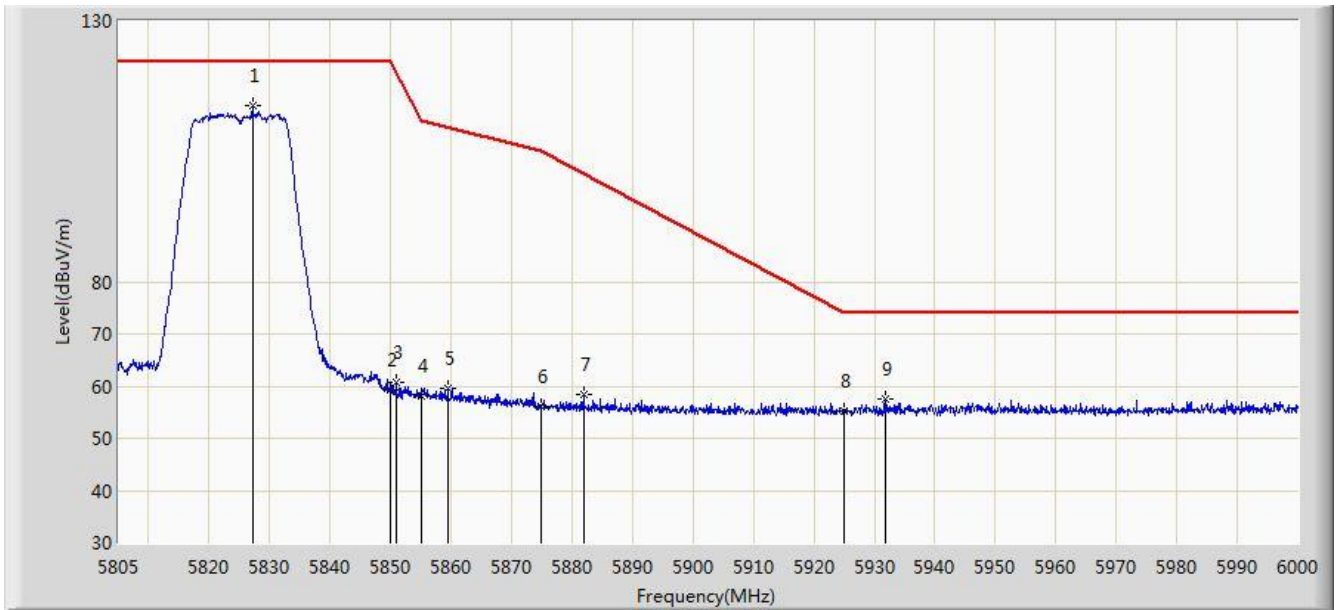


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.055	57.164	52.513	-16.836	74.000	4.651	PK
2			5650.000	55.952	51.281	-18.048	74.000	4.671	PK
3			5695.700	60.004	55.149	-42.523	102.528	4.855	PK
4			5700.000	57.819	52.941	-47.381	105.200	4.878	PK
5			5718.553	65.698	60.710	-44.698	110.395	4.988	PK
6			5720.000	63.024	58.027	-47.776	110.800	4.997	PK
7			5723.007	66.240	61.224	-51.417	117.657	5.016	PK
8			5725.000	66.272	61.243	-55.928	122.200	5.029	PK
9		*	5748.087	114.080	108.908	N/A	N/A	5.172	PK

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

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

Site: AC1	Time: 2016/08/15 - 21:09
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 2	

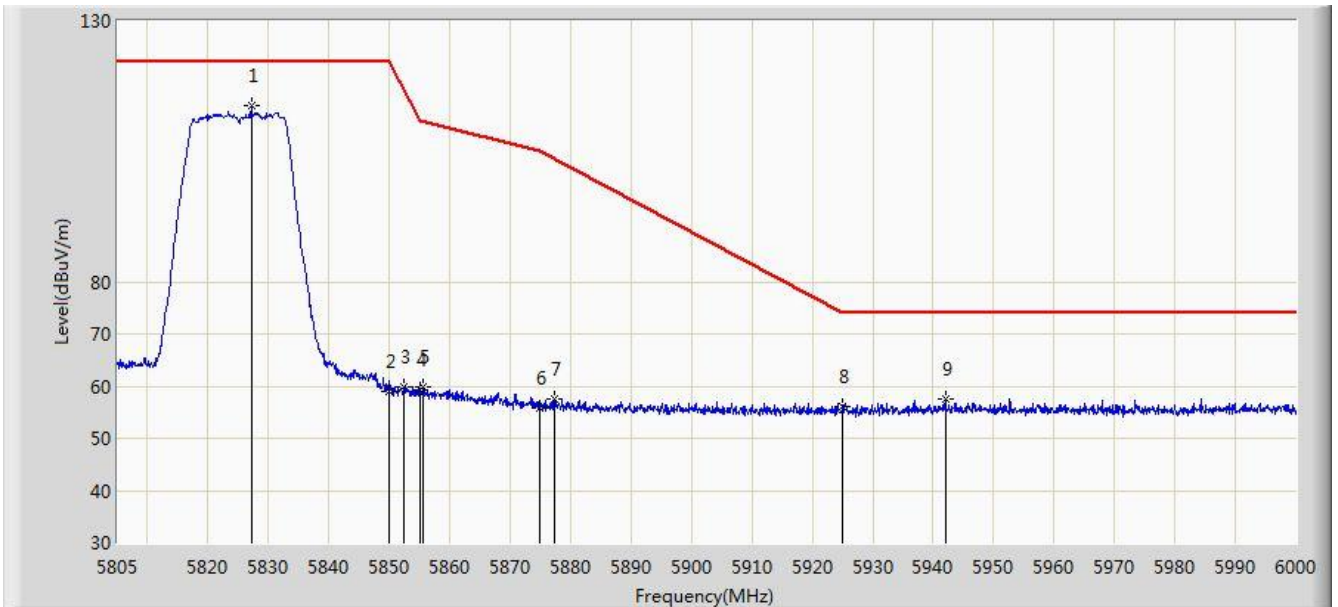


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.132	113.819	108.219	N/A	N/A	5.600	PK
2			5850.000	59.355	53.629	-62.845	122.200	5.726	PK
3			5850.922	60.742	55.013	-59.355	120.097	5.729	PK
4			5855.000	58.105	52.359	-52.695	110.800	5.746	PK
5			5859.502	59.525	53.760	-50.013	109.538	5.765	PK
6			5875.000	56.088	50.268	-49.112	105.200	5.820	PK
7			5881.928	58.342	52.498	-42.520	100.861	5.844	PK
8			5925.000	55.263	49.297	-18.737	74.000	5.967	PK
9			5931.945	57.587	51.603	-16.413	74.000	5.984	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: 2016/08/15 - 21:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 2	

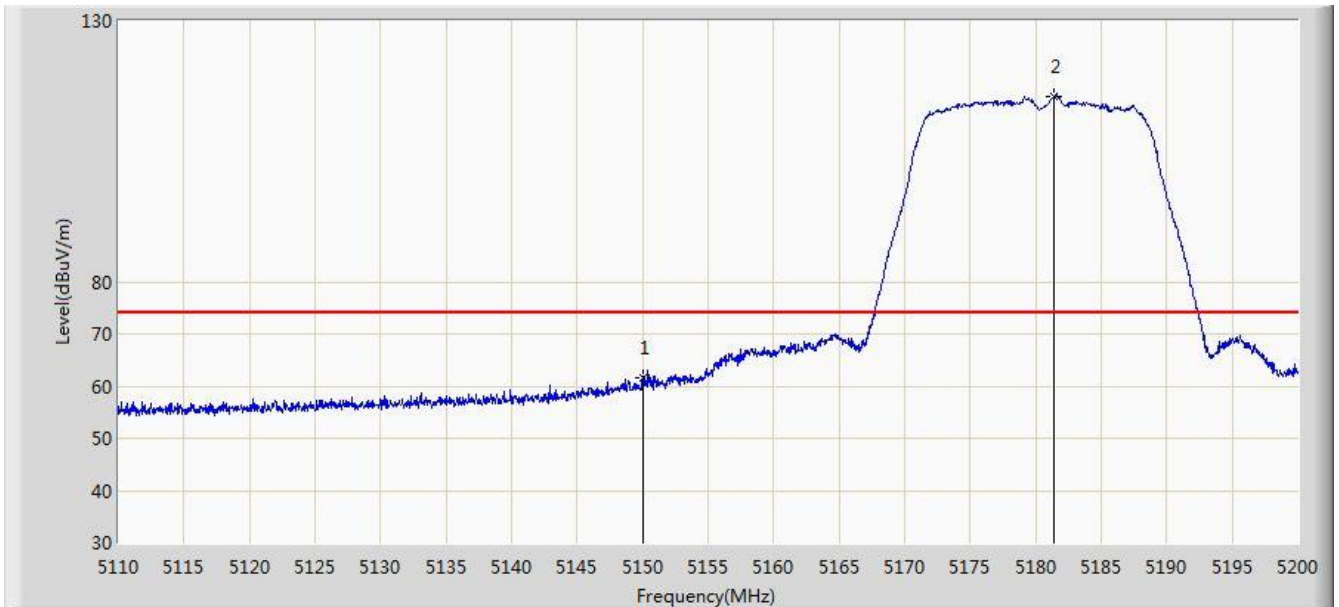


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.132	113.887	108.287	N/A	N/A	5.600	PK
2			5850.000	58.943	53.217	-63.257	122.200	5.726	PK
3			5852.482	59.946	54.210	-56.594	116.540	5.736	PK
4			5855.000	59.189	53.443	-51.611	110.800	5.746	PK
5			5855.505	59.732	53.984	-50.926	110.658	5.749	PK
6			5875.000	55.931	50.111	-49.269	105.200	5.820	PK
7			5877.248	57.499	51.671	-46.293	103.792	5.828	PK
8			5925.000	56.153	50.187	-17.847	74.000	5.967	PK
9			5941.987	57.635	51.627	-16.365	74.000	6.009	PK

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

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

Site: AC1	Time: 2016/08/15 - 21:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 2	

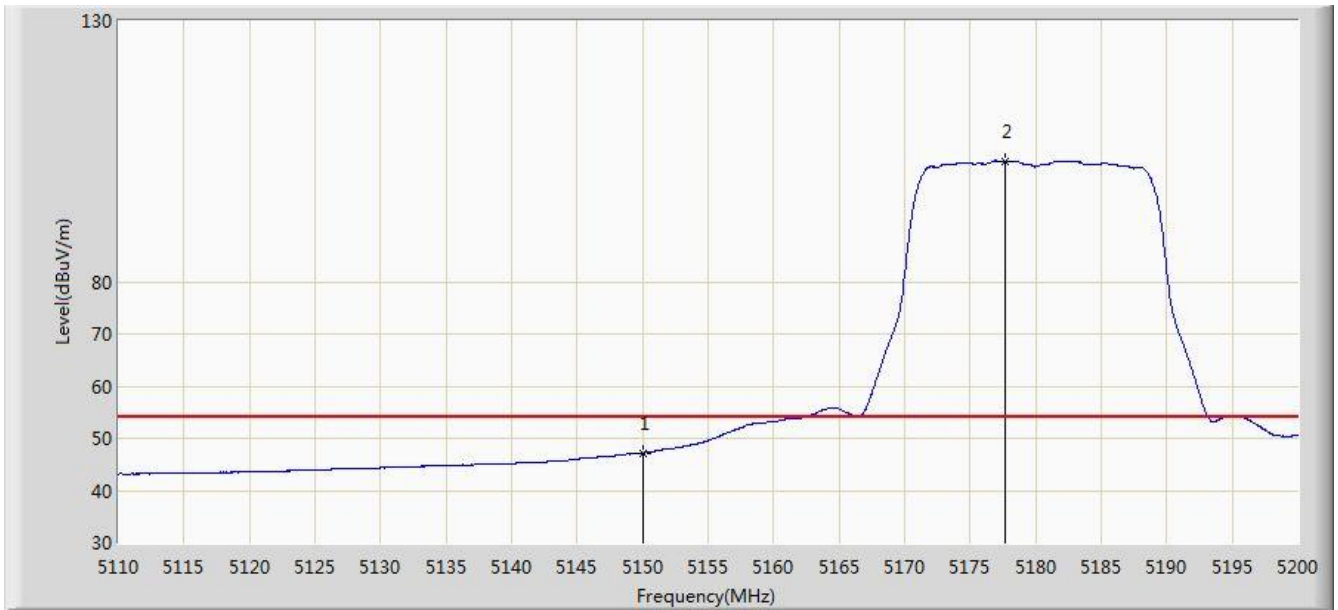


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	61.712	57.543	-12.288	74.000	4.170	PK
2		*	5181.415	115.650	111.586	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2016/08/15 - 21:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 2	

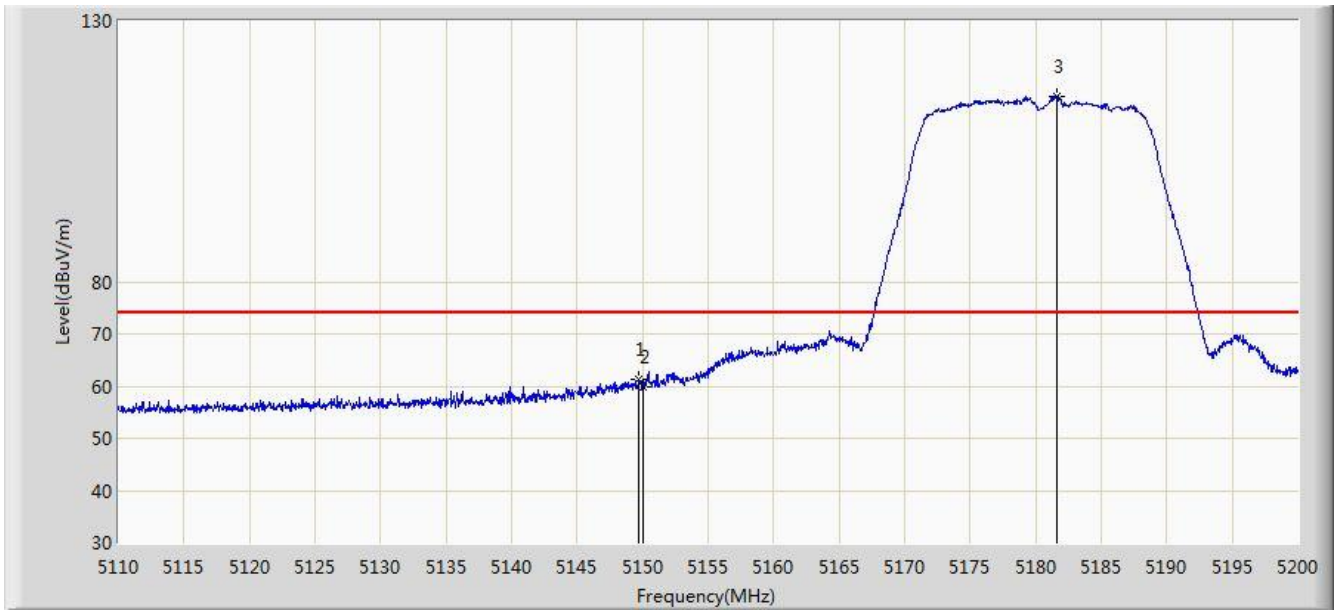


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.225	43.056	-6.775	54.000	4.170	AV
2		*	5177.680	103.168	99.091	N/A	N/A	4.077	AV

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: 2016/08/15 - 21:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 2	

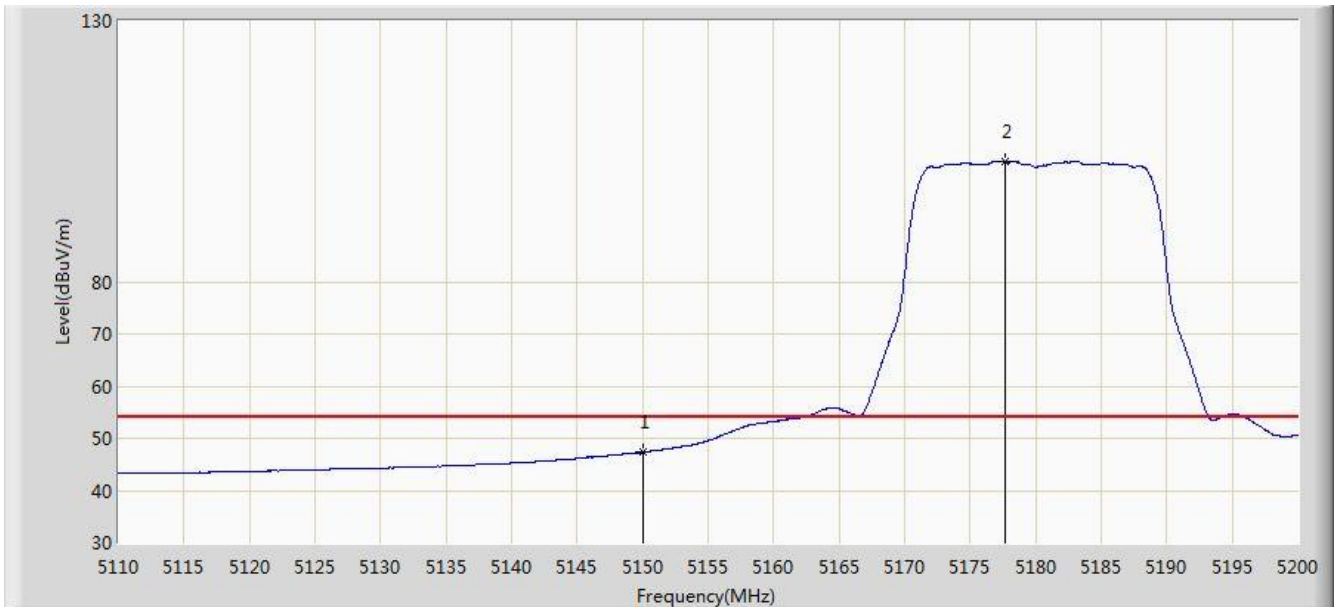


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.735	61.412	57.242	-12.588	74.000	4.170	PK
2			5150.000	59.972	55.803	-14.028	74.000	4.170	PK
3		*	5181.640	115.651	111.588	N/A	N/A	4.063	PK

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

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

Site: AC1	Time: 2016/08/15 - 21:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 2	

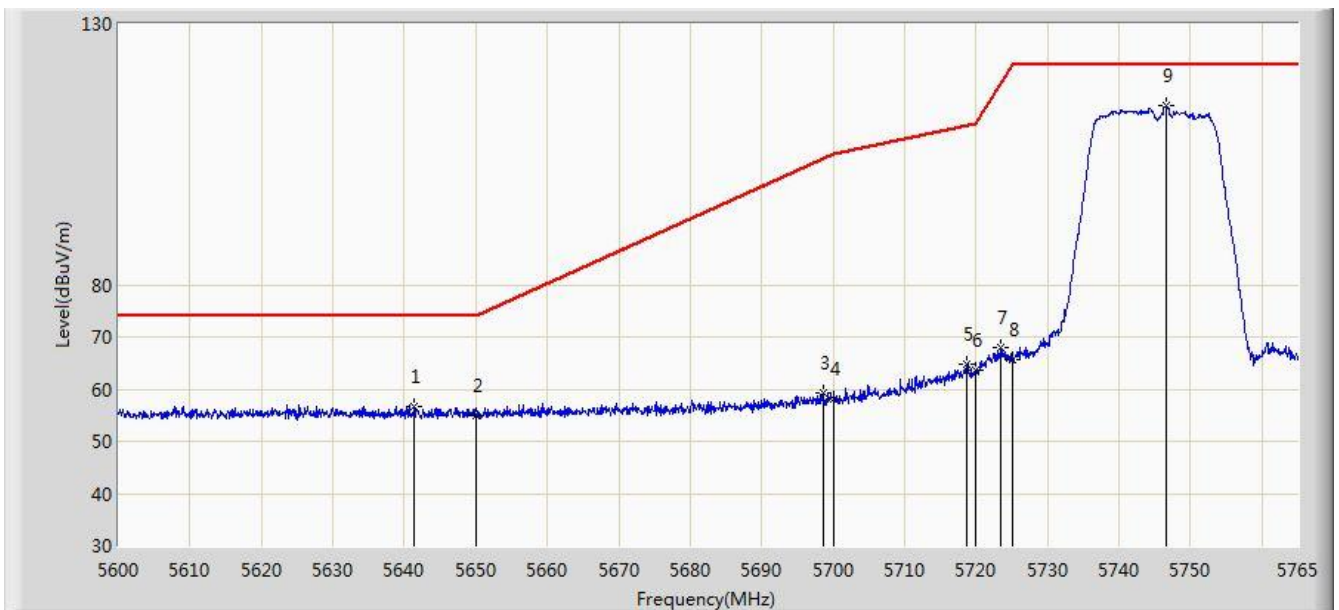


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.307	43.138	-6.693	54.000	4.170	AV
2		*	5177.680	103.016	98.939	N/A	N/A	4.077	AV

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

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

Site: AC1	Time: 2016/08/15 - 21:20
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 2	

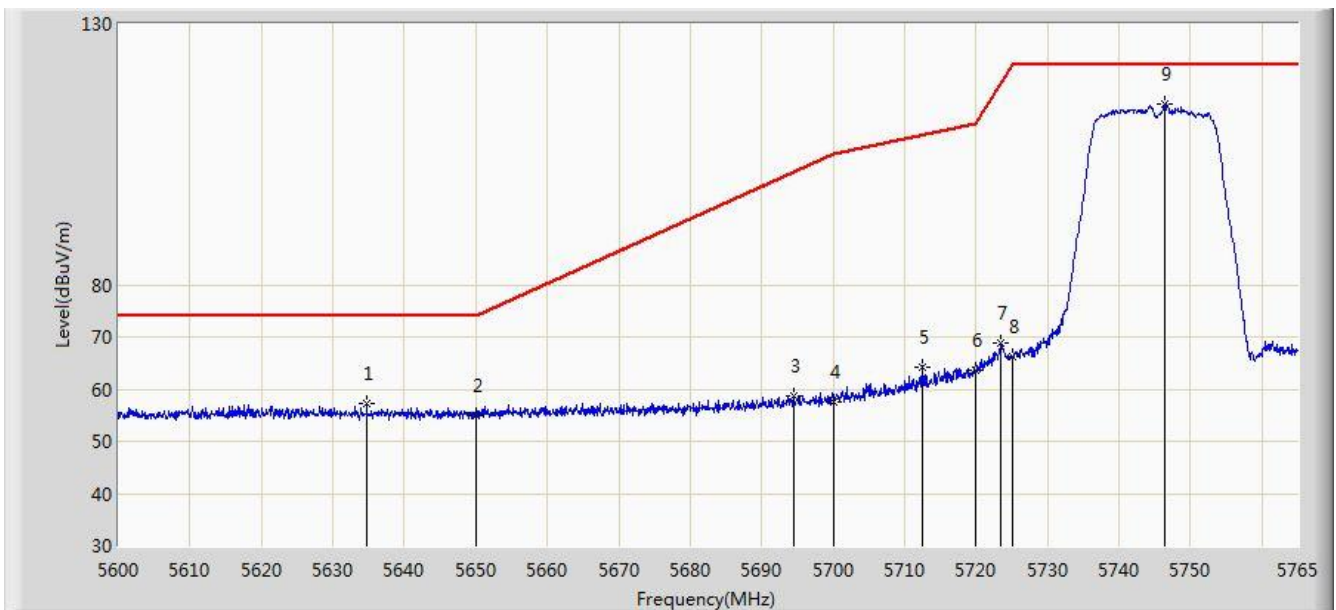


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5641.415	56.673	52.031	-17.327	74.000	4.643	PK
2			5650.000	54.971	50.300	-19.029	74.000	4.671	PK
3			5698.587	59.158	54.287	-45.164	104.322	4.871	PK
4			5700.000	58.068	53.190	-47.132	105.200	4.878	PK
5			5718.635	64.767	59.779	-45.651	110.418	4.989	PK
6			5720.000	63.515	58.518	-47.285	110.800	4.997	PK
7			5723.420	67.896	62.877	-50.703	118.599	5.019	PK
8			5725.000	65.587	60.558	-56.613	122.200	5.029	PK
9		*	5746.685	114.213	109.048	N/A	N/A	5.165	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: 2016/08/15 - 21:21
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 2	

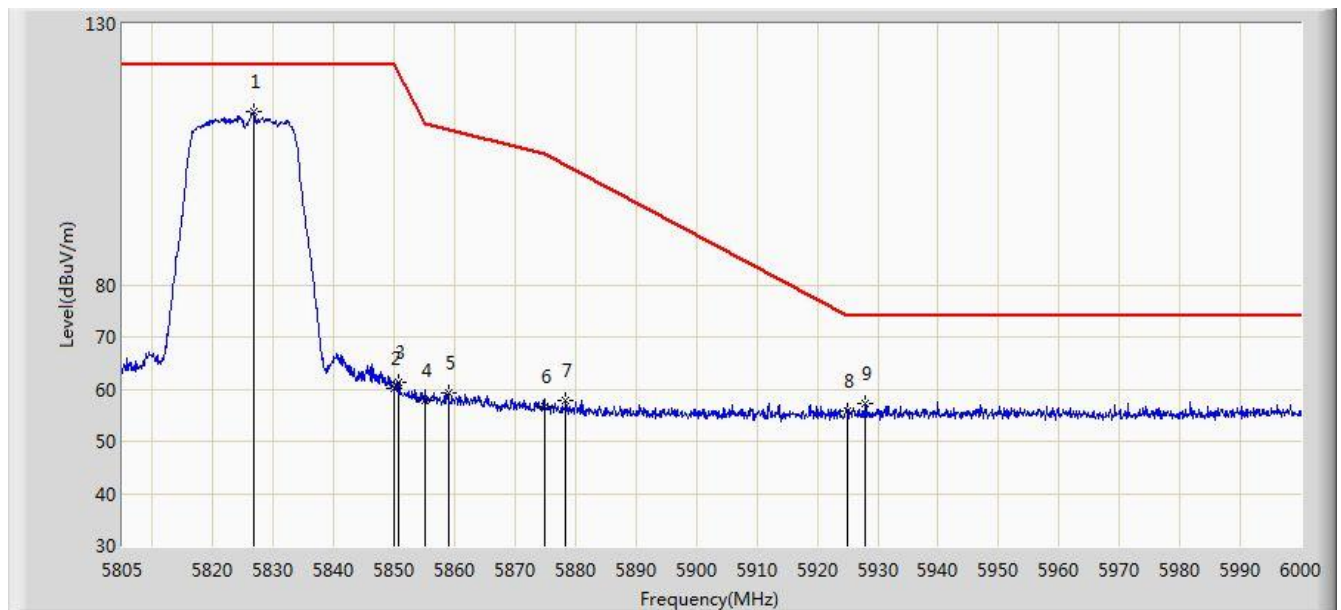


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5634.732	57.294	52.671	-16.706	74.000	4.623	PK
2			5650.000	54.810	50.139	-19.190	74.000	4.671	PK
3			5694.462	58.787	53.938	-42.971	101.758	4.849	PK
4			5700.000	57.583	52.705	-47.617	105.200	4.878	PK
5			5712.447	64.343	59.395	-44.344	108.687	4.948	PK
6			5720.000	63.588	58.591	-47.212	110.800	4.997	PK
7			5723.502	68.886	63.867	-49.899	118.786	5.019	PK
8			5725.000	66.307	61.278	-55.893	122.200	5.029	PK
9		*	5746.437	114.744	109.581	N/A	N/A	5.163	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: 2016/08/15 - 21:22
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 2	

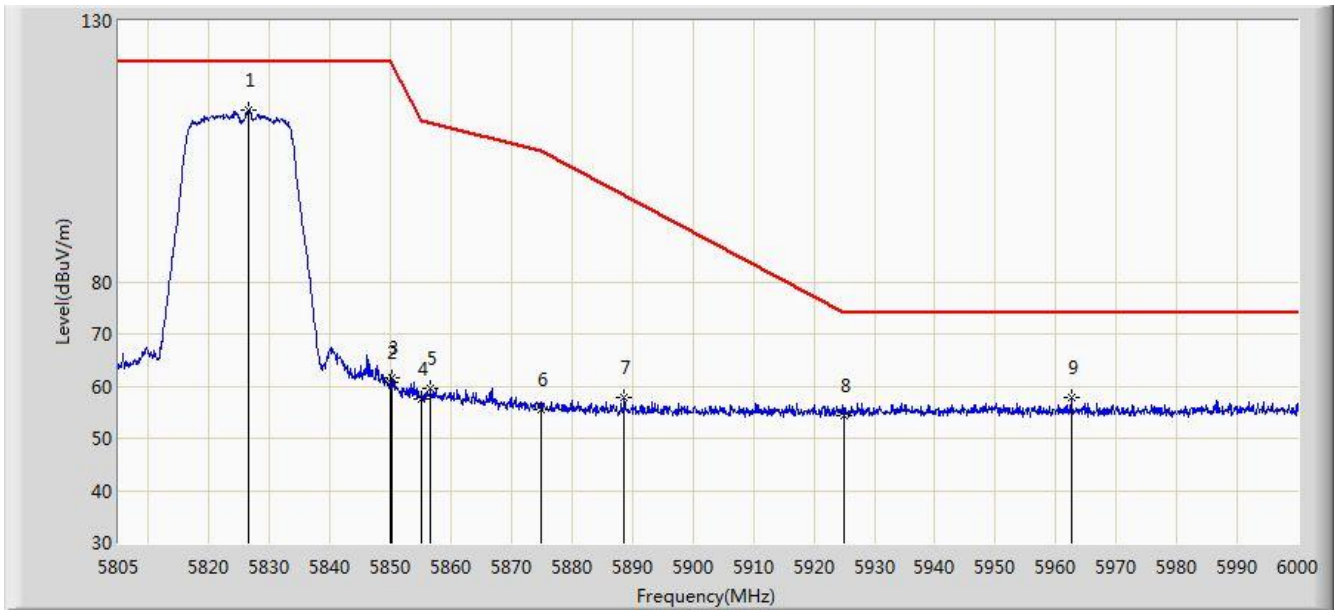


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.645	113.318	107.720	N/A	N/A	5.598	PK
2			5850.000	60.049	54.323	-62.151	122.200	5.726	PK
3			5850.728	61.445	55.716	-59.095	120.540	5.729	PK
4			5855.000	57.921	52.175	-52.879	110.800	5.746	PK
5			5858.917	59.209	53.447	-50.492	109.702	5.762	PK
6			5875.000	56.703	50.883	-48.497	105.200	5.820	PK
7			5878.417	57.965	52.133	-45.095	103.059	5.831	PK
8			5925.000	55.837	49.871	-18.163	74.000	5.967	PK
9			5927.850	57.314	51.340	-16.686	74.000	5.974	PK

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

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

Site: AC1	Time: 2016/08/15 - 21:23
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 2	

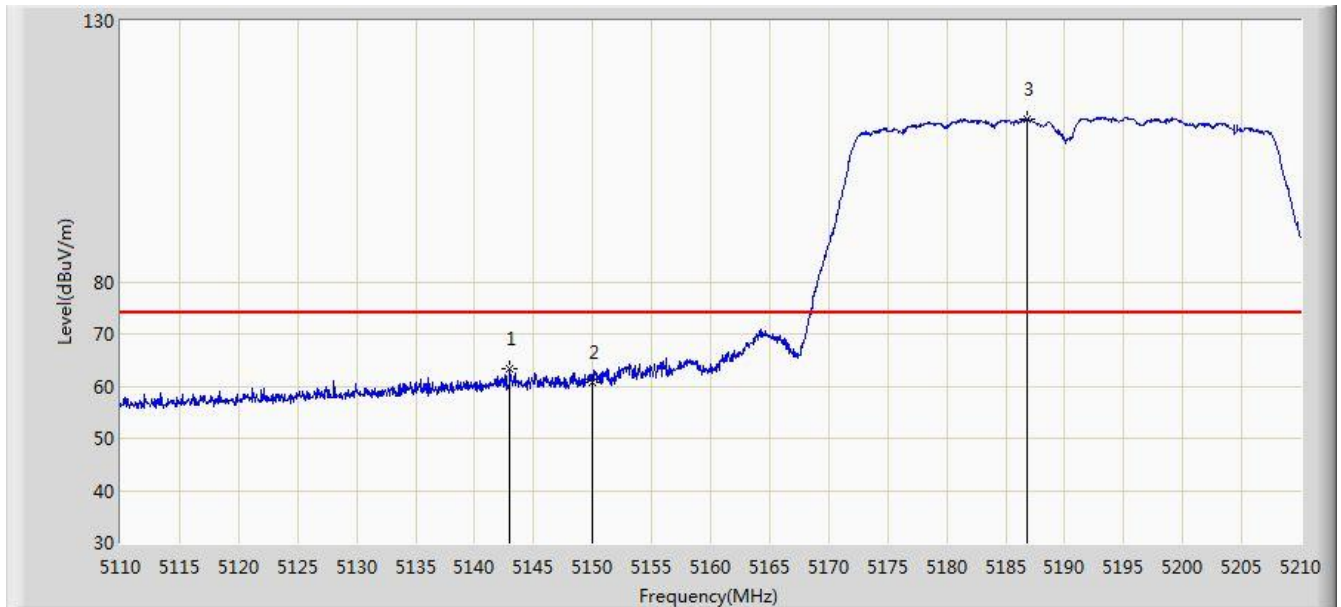


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.450	112.907	107.311	N/A	N/A	5.596	PK
2			5850.000	60.827	55.101	-61.373	122.200	5.726	PK
3			5850.240	61.706	55.979	-59.947	121.653	5.726	PK
4			5855.000	57.503	51.757	-53.297	110.800	5.746	PK
5			5856.578	59.695	53.942	-50.663	110.357	5.753	PK
6			5875.000	55.507	49.687	-49.693	105.200	5.820	PK
7			5888.655	57.857	51.990	-38.796	96.653	5.867	PK
8			5925.000	54.286	48.320	-19.714	74.000	5.967	PK
9			5962.560	57.743	51.695	-16.257	74.000	6.048	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: 2016/08/15 - 21:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 2	

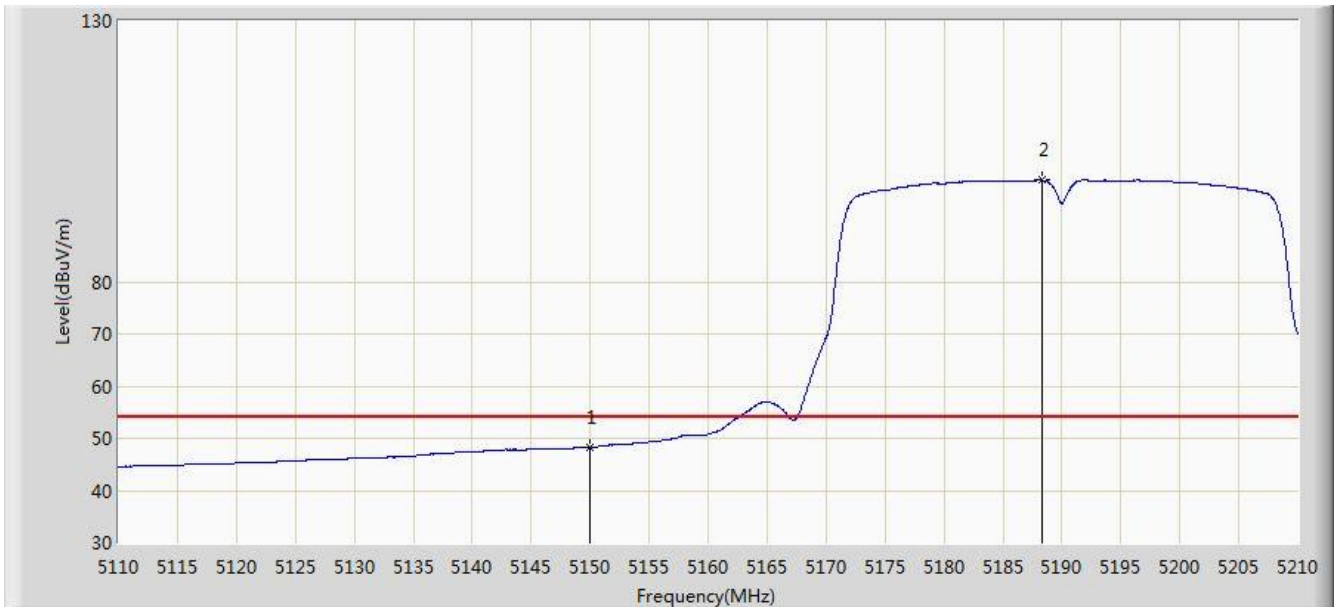


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.000	63.443	59.267	-10.557	74.000	4.176	PK
2			5150.000	60.698	56.529	-13.302	74.000	4.170	PK
3		*	5186.800	111.266	107.221	N/A	N/A	4.045	PK

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

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

Site: AC1	Time: 2016/08/15 - 21:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 2	

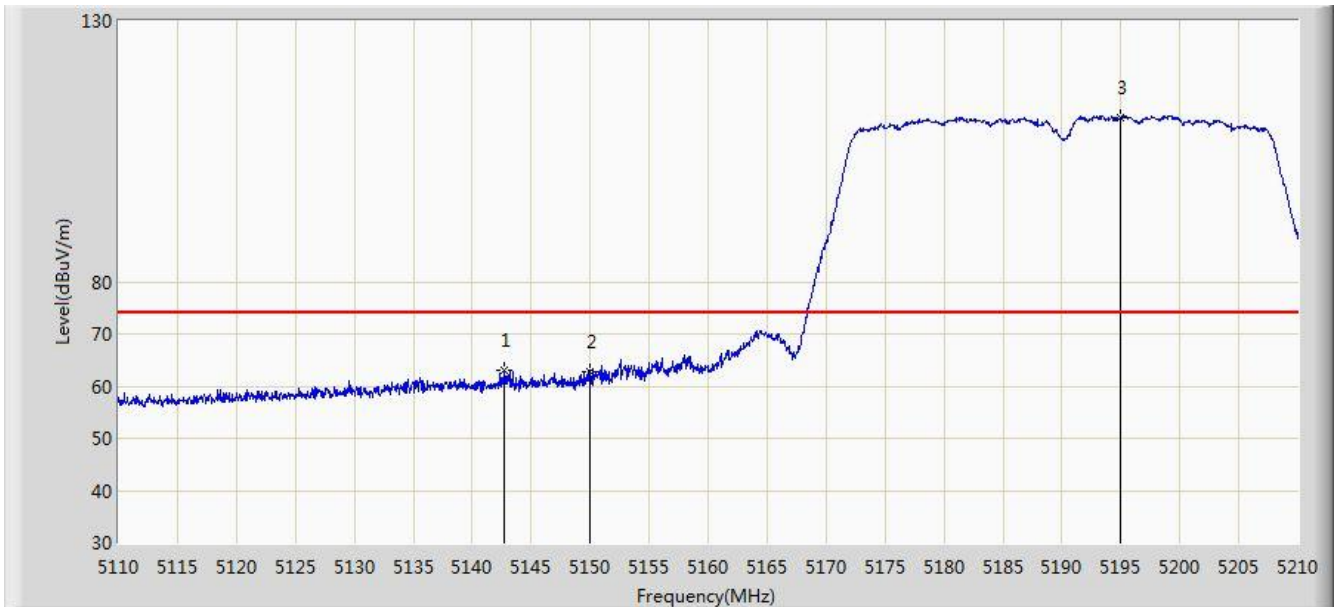


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.173	44.004	-5.827	54.000	4.170	AV
2		*	5188.350	99.428	95.389	N/A	N/A	4.039	AV

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

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

Site: AC1	Time: 2016/08/15 - 21:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 2	

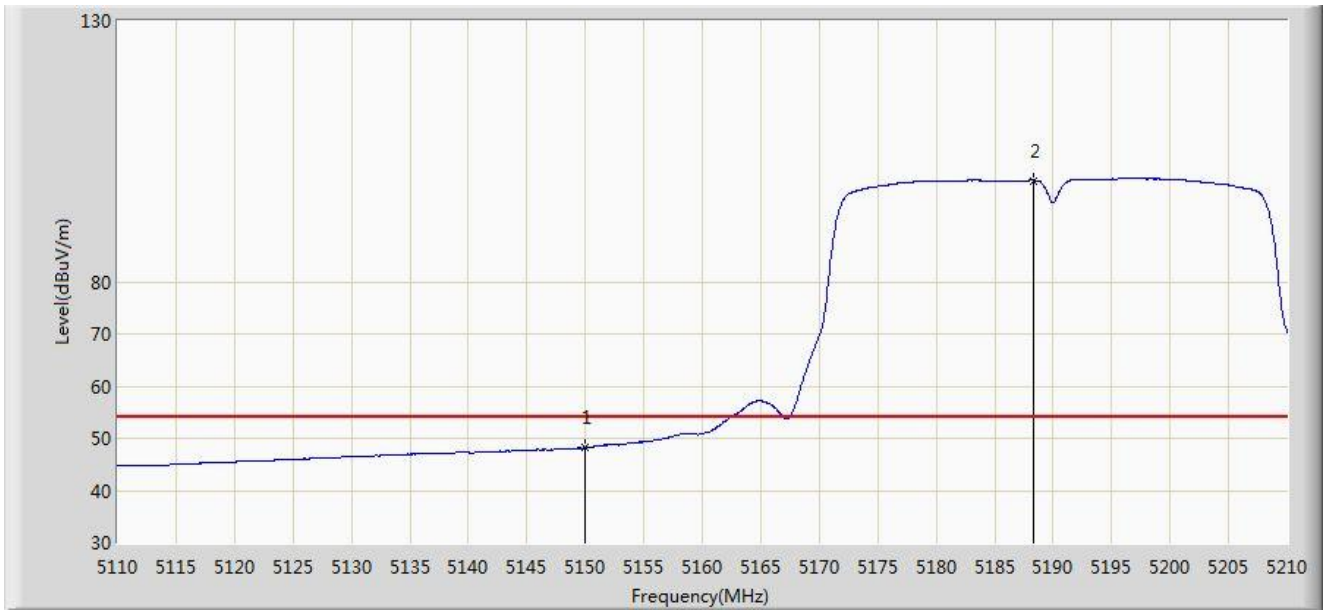


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.750	63.135	58.959	-10.865	74.000	4.176	PK
2			5150.000	62.614	58.445	-11.386	74.000	4.170	PK
3		*	5194.900	111.576	107.560	N/A	N/A	4.016	PK

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

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

Site: AC1	Time: 2016/08/15 - 21:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 2	

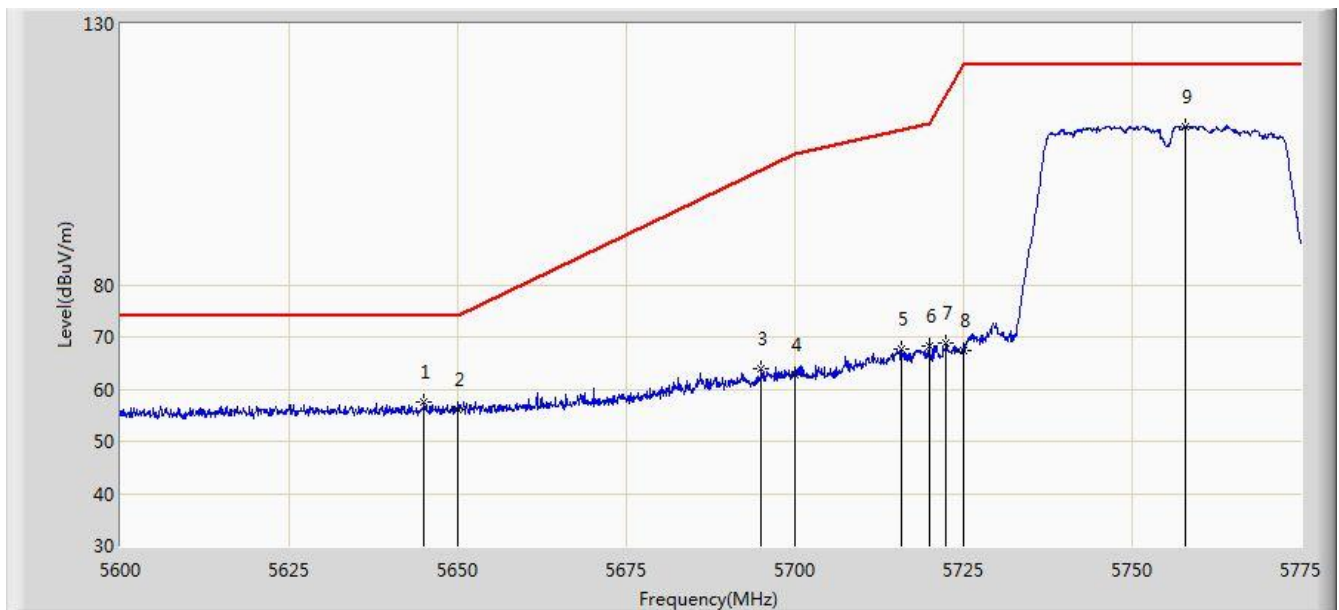


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.133	43.964	-5.867	54.000	4.170	AV
2		*	5188.350	99.419	95.380	N/A	N/A	4.039	AV

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: 2016/08/15 - 21:36
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 2	

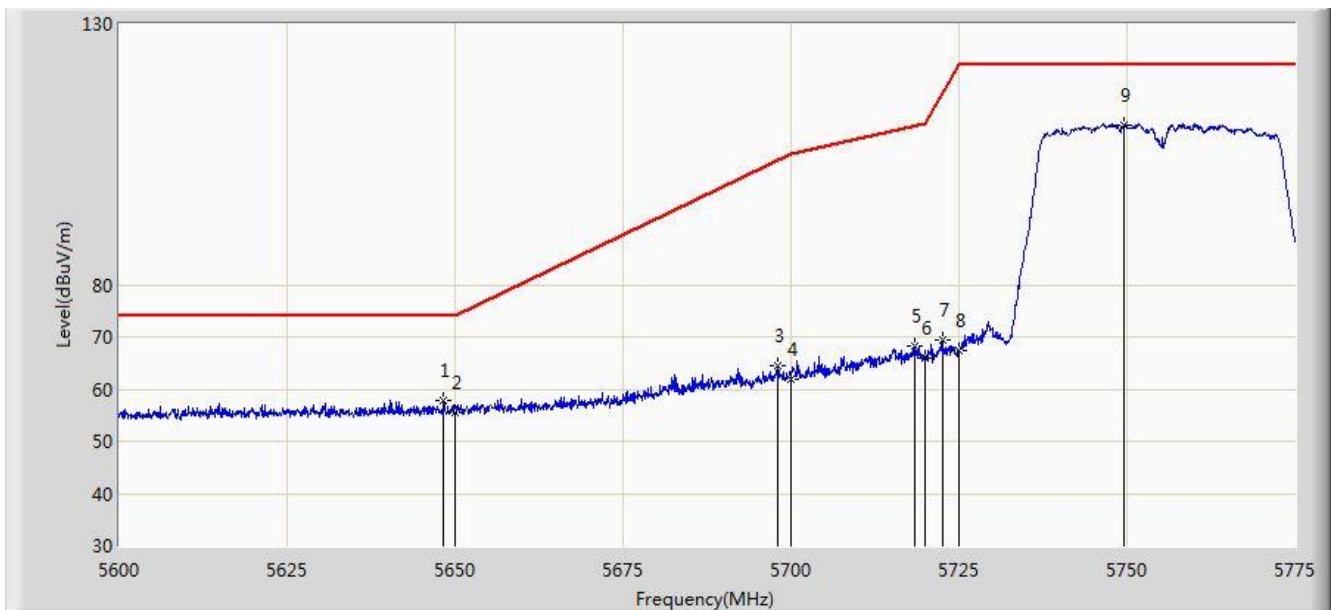


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5645.062	57.438	52.783	-16.562	74.000	4.654	PK
2			5650.000	56.206	51.535	-17.794	74.000	4.671	PK
3			5694.937	64.003	59.152	-38.050	102.053	4.851	PK
4			5700.000	62.619	57.741	-42.581	105.200	4.878	PK
5			5715.763	67.626	62.656	-41.990	109.615	4.970	PK
6			5720.000	68.398	63.401	-42.402	110.800	4.997	PK
7			5722.413	68.853	63.841	-47.450	116.303	5.012	PK
8			5725.000	67.518	62.489	-54.682	122.200	5.029	PK
9		*	5757.937	110.310	105.082	N/A	N/A	5.228	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: 2016/08/15 - 21:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 2	

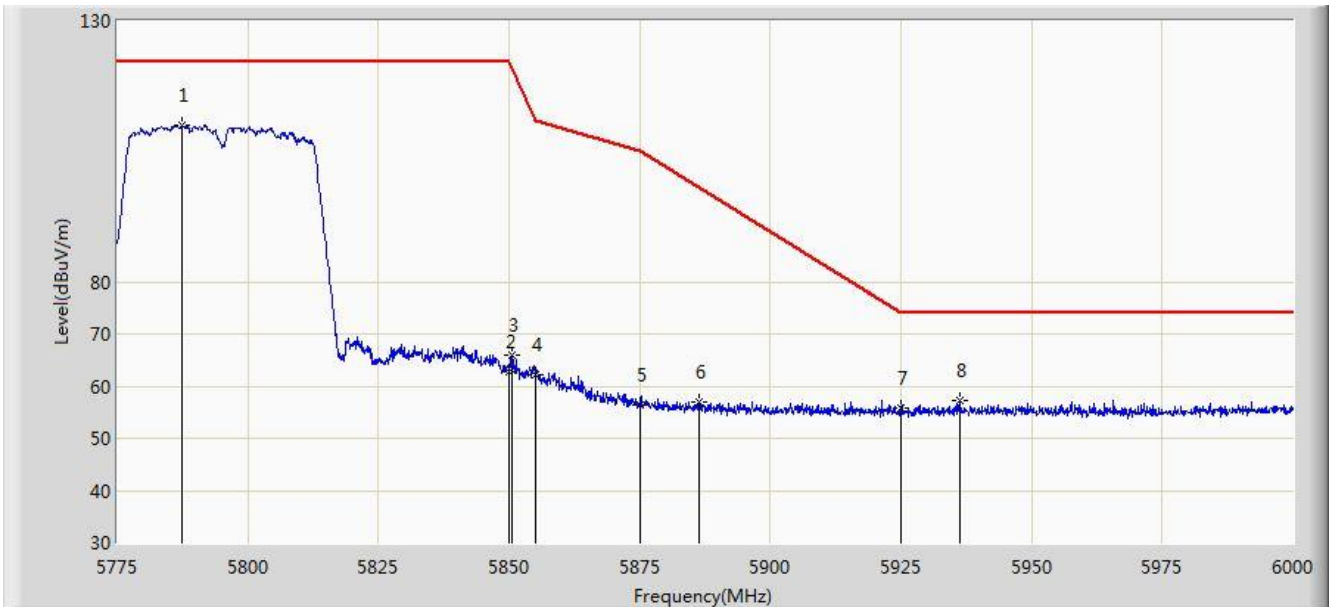


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5648.300	57.794	53.129	-16.206	74.000	4.665	PK
2			5650.000	55.493	50.822	-18.507	74.000	4.671	PK
3			5698.087	64.481	59.613	-39.530	104.011	4.868	PK
4			5700.000	61.837	56.959	-43.363	105.200	4.878	PK
5			5718.475	68.220	63.233	-42.154	110.374	4.986	PK
6			5720.000	66.058	61.061	-44.742	110.800	4.997	PK
7			5722.500	69.491	64.478	-47.010	116.501	5.014	PK
8			5725.000	67.369	62.340	-54.831	122.200	5.029	PK
9		*	5749.625	110.701	105.520	N/A	N/A	5.180	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: 2016/08/15 - 21:38
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 2	

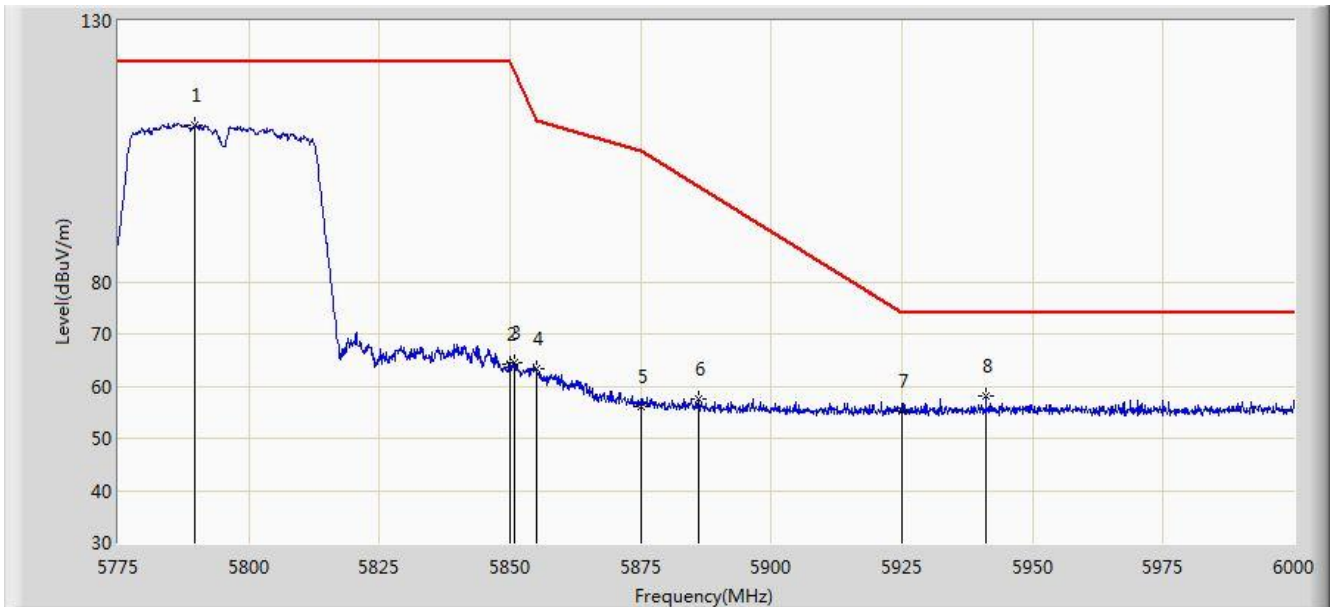


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5787.487	110.010	104.631	N/A	N/A	5.379	PK
2			5850.000	62.731	57.005	-59.469	122.200	5.726	PK
3			5850.487	66.081	60.353	-55.009	121.089	5.727	PK
4			5855.000	62.199	56.453	-48.601	110.800	5.746	PK
5			5875.000	56.250	50.430	-48.950	105.200	5.820	PK
6			5886.263	56.945	51.087	-41.203	98.149	5.858	PK
7			5925.000	55.666	49.700	-18.334	74.000	5.967	PK
8			5936.212	57.228	51.234	-16.772	74.000	5.995	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: 2016/08/15 - 21:38
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 2	

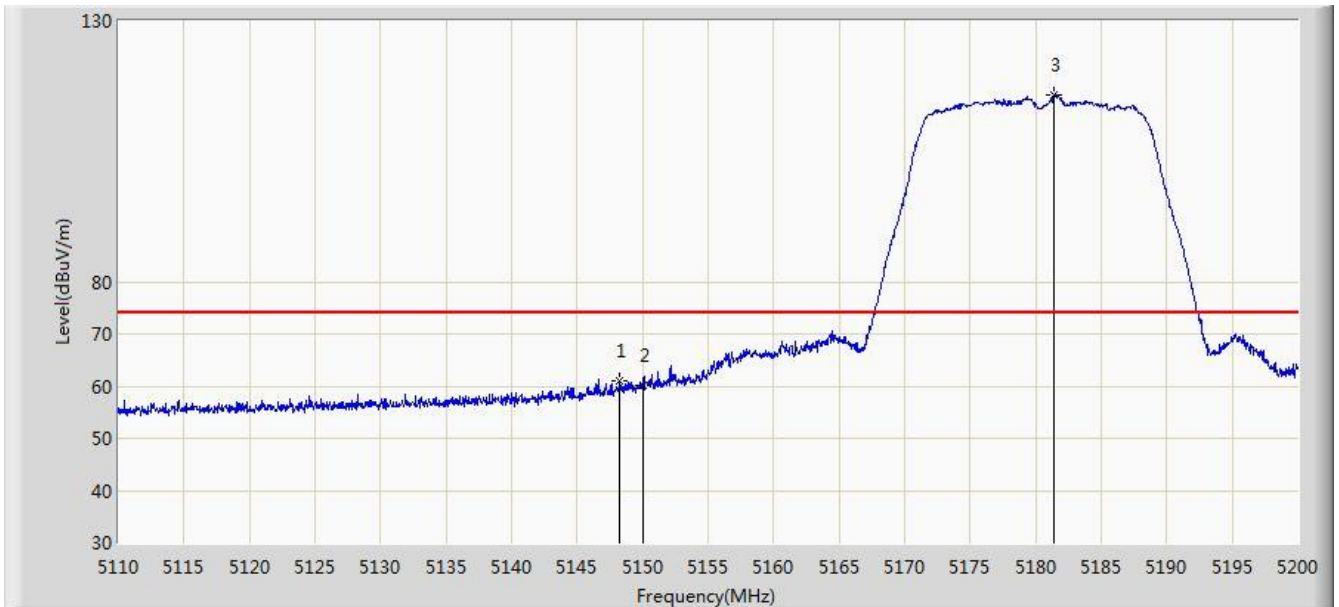


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5789.625	110.021	104.631	N/A	N/A	5.390	PK
2			5850.000	64.145	58.419	-58.055	122.200	5.726	PK
3			5850.825	64.573	58.844	-55.745	120.318	5.729	PK
4			5855.000	63.223	57.477	-47.577	110.800	5.746	PK
5			5875.000	56.220	50.400	-48.980	105.200	5.820	PK
6			5886.038	57.519	51.661	-40.771	98.290	5.858	PK
7			5925.000	55.338	49.372	-18.662	74.000	5.967	PK
8			5941.050	58.214	52.208	-15.786	74.000	6.006	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: 2016/08/15 - 21:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 2	

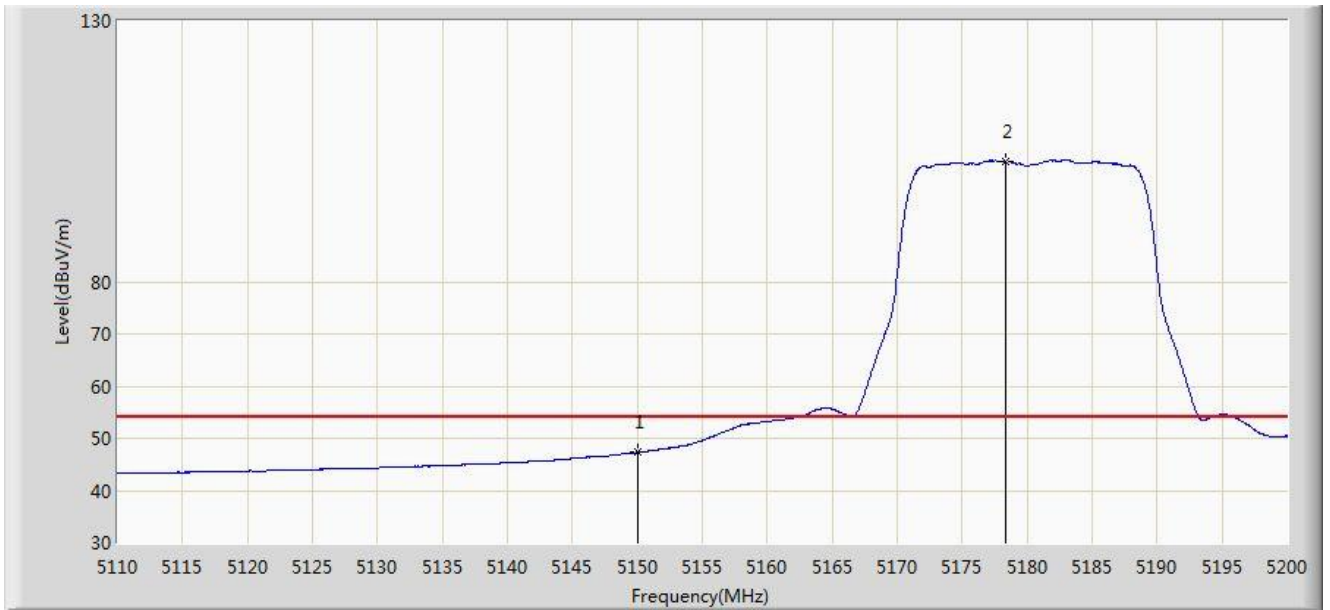


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.250	60.944	56.769	-13.056	74.000	4.174	PK
2			5150.000	60.116	55.947	-13.884	74.000	4.170	PK
3		*	5181.370	115.665	111.601	N/A	N/A	4.064	PK

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

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

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No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.274	43.105	-6.726	54.000	4.170	AV
2		*	5178.400	103.149	99.074	N/A	N/A	4.074	AV

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

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