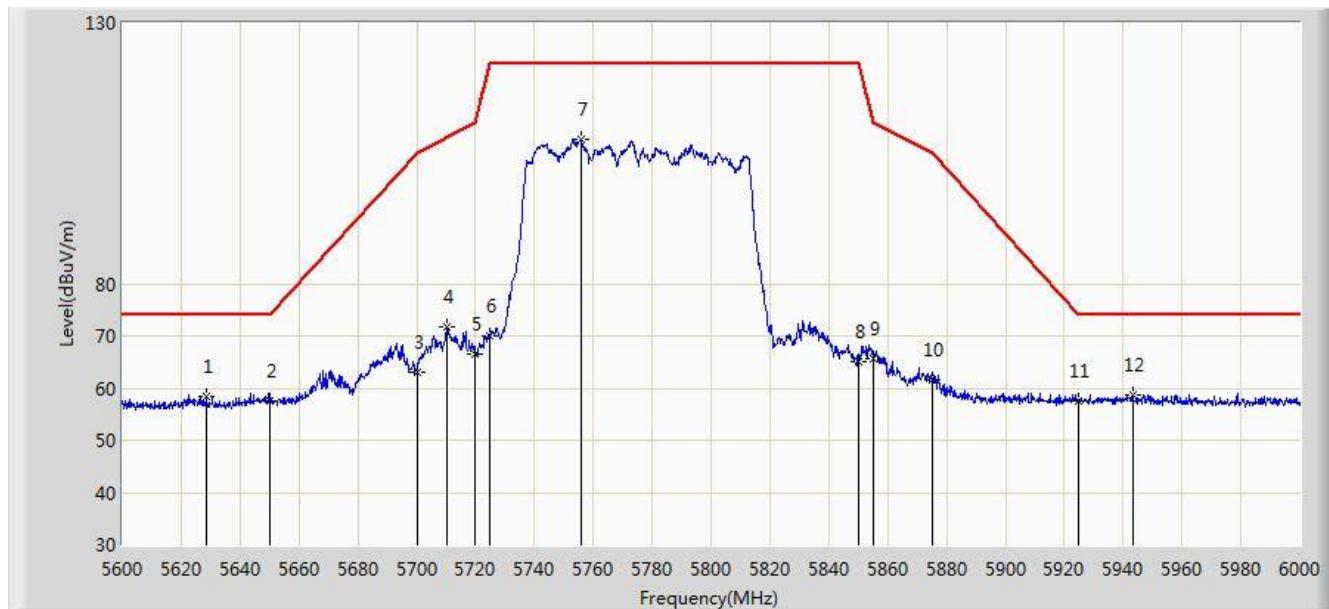


Site: AC1	Time: 2016/08/31 - 00:54
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0+1+2+3	

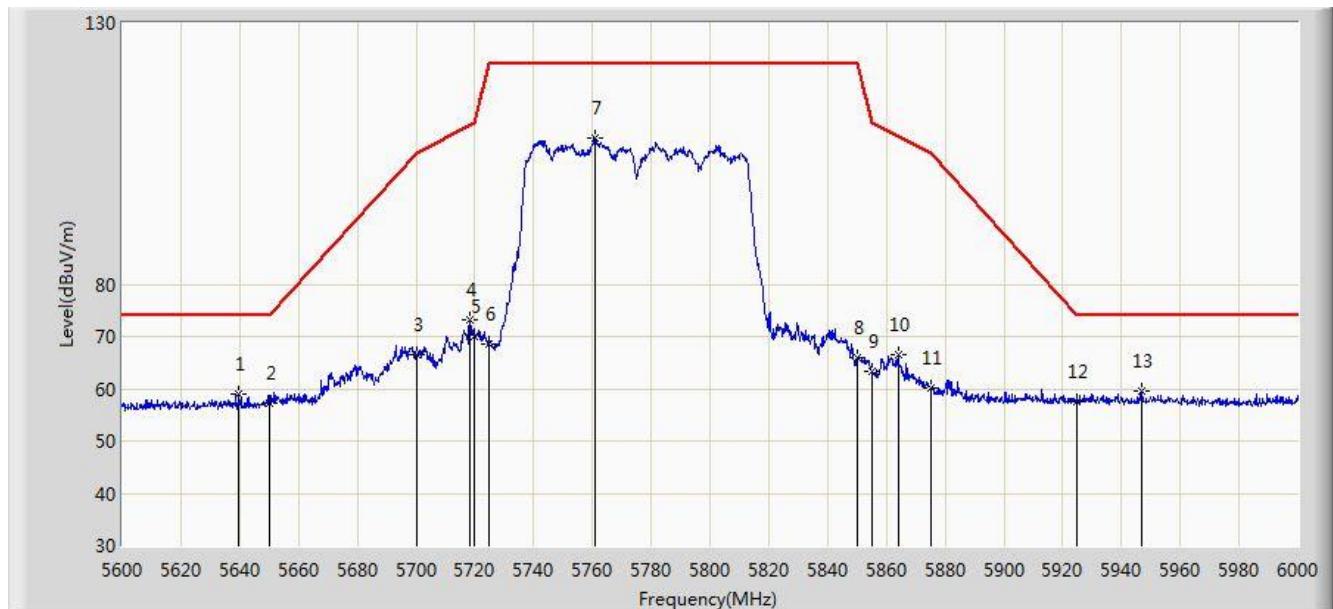


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5628.600	58.545	53.940	-15.455	74.000	4.605	PK
2			5650.000	57.620	52.949	-16.380	74.000	4.671	PK
3			5700.000	62.977	58.099	-42.223	105.200	4.878	PK
4			5710.400	71.871	66.936	-36.243	108.114	4.935	PK
5			5720.000	66.594	61.597	-44.206	110.800	4.997	PK
6			5725.000	69.972	64.943	-52.228	122.200	5.029	PK
7	*		5755.800	107.541	102.325	N/A	N/A	5.215	PK
8			5850.000	65.014	59.288	-57.186	122.200	5.726	PK
9			5855.000	65.599	59.853	-45.201	110.800	5.746	PK
10			5875.000	61.678	55.858	-43.522	105.200	5.820	PK
11			5925.000	57.463	51.497	-16.537	74.000	5.967	PK
12			5943.200	58.757	52.746	-15.243	74.000	6.011	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/08/31 - 00:56
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+1+2+3	

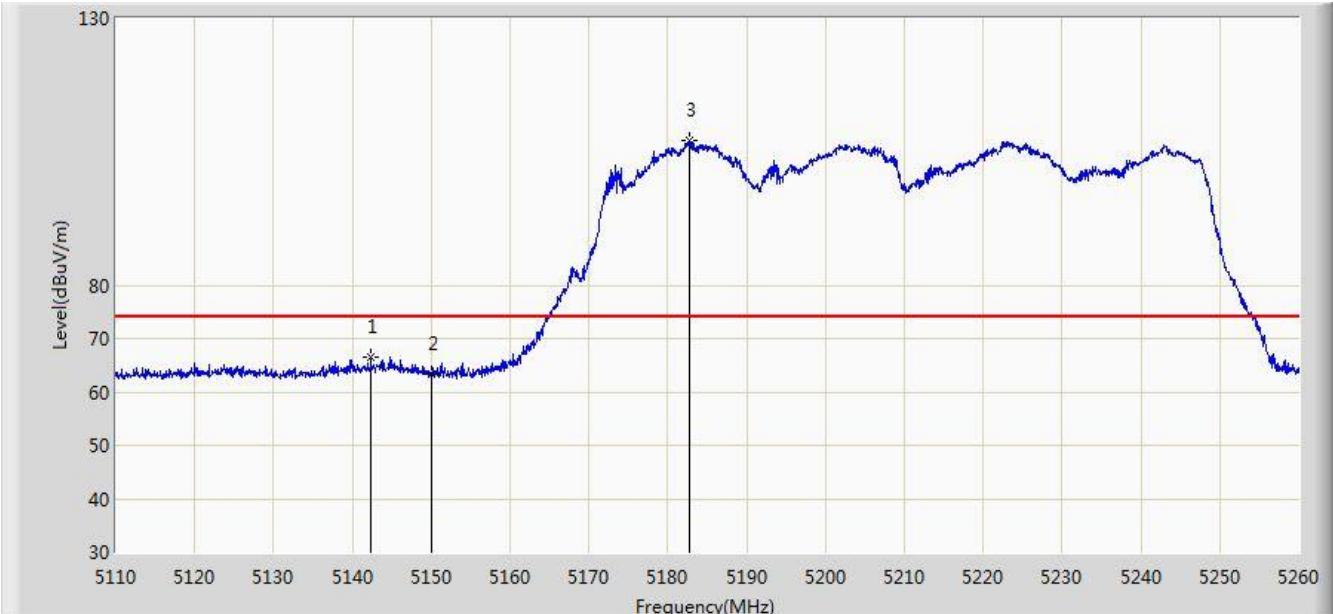


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5639.800	59.096	54.459	-14.904	74.000	4.638	PK
2			5650.000	57.158	52.487	-16.842	74.000	4.671	PK
3			5700.000	66.565	61.687	-38.635	105.200	4.878	PK
4			5718.400	73.077	68.090	-37.276	110.353	4.986	PK
5			5720.000	70.079	65.082	-40.721	110.800	4.997	PK
6			5725.000	68.578	63.549	-53.622	122.200	5.029	PK
7	*		5761.000	107.940	102.695	N/A	N/A	5.245	PK
8			5850.000	65.883	60.157	-56.317	122.200	5.726	PK
9			5855.000	63.195	57.449	-47.605	110.800	5.746	PK
10			5864.200	66.520	60.737	-41.702	108.222	5.783	PK
11			5875.000	60.205	54.385	-44.995	105.200	5.820	PK
12			5925.000	57.679	51.713	-16.321	74.000	5.967	PK
13			5946.800	59.467	53.447	-14.533	74.000	6.020	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/12/05 - 19:38
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+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	

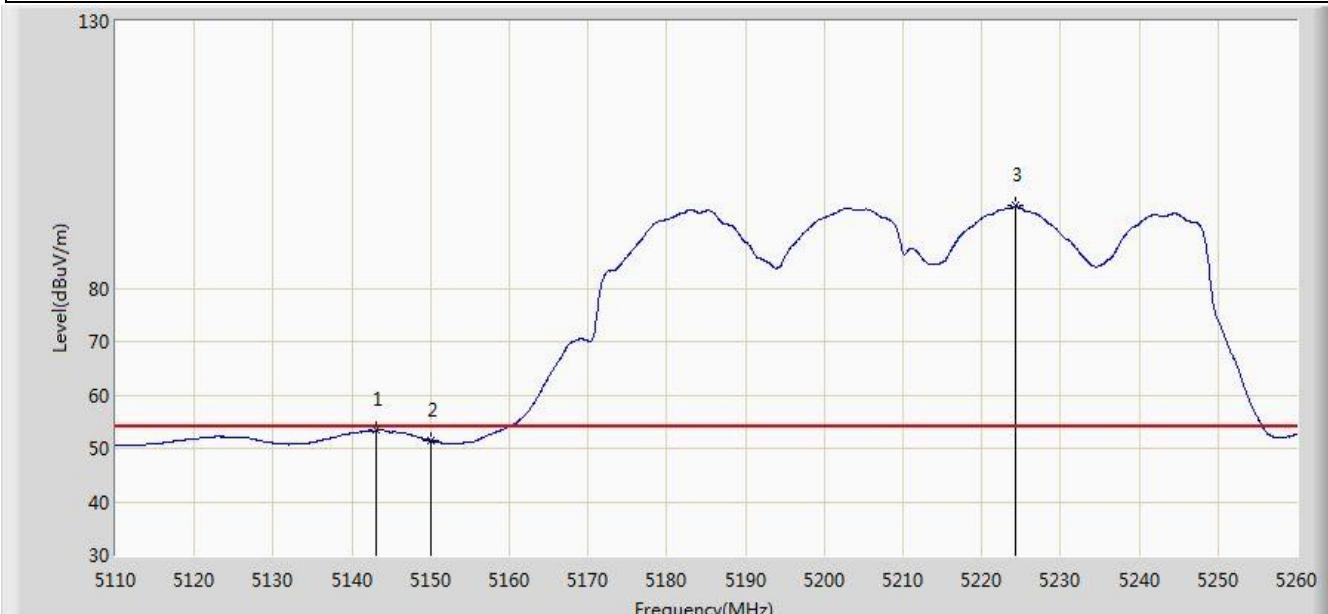


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.325	66.550	27.104	-7.450	74.000	39.445	PK
2			5150.000	63.329	23.888	-10.671	74.000	39.442	PK
3	*	*	5182.825	106.976	67.614	N/A	N/A	39.362	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/12/05 - 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 802.11ac-VHT80+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	

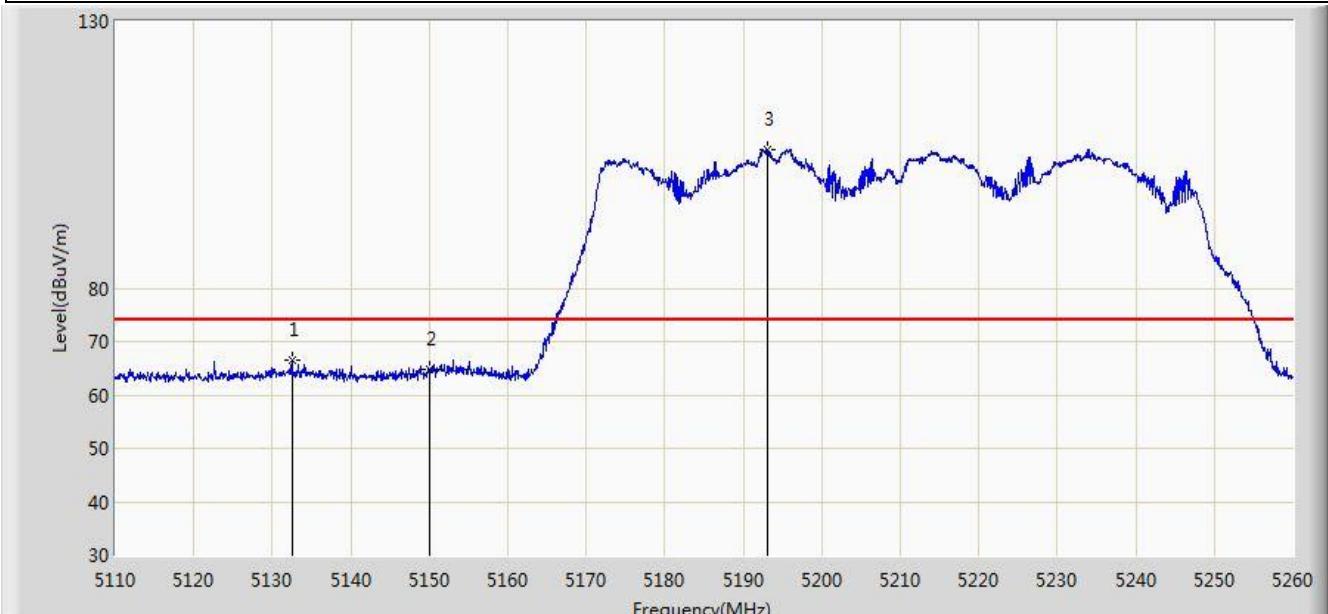


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.075	53.401	13.955	-0.599	54.000	39.446	AV
2			5150.000	51.496	12.055	-2.504	54.000	39.442	AV
3		*	5224.375	95.379	56.113	N/A	N/A	39.266	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/12/05 - 19:40
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+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	

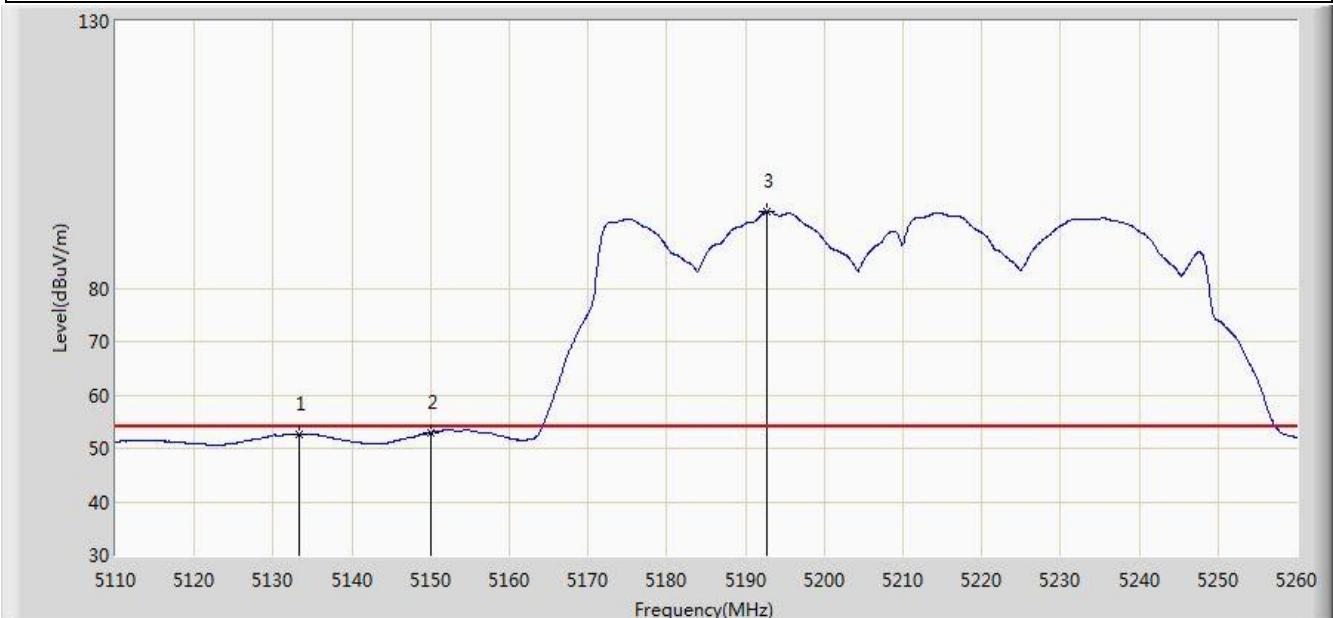


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5132.500	66.448	27.003	-7.552	74.000	39.445	PK
2			5150.000	64.714	25.273	-9.286	74.000	39.442	PK
3	*	*	5193.025	105.938	66.602	N/A	N/A	39.336	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/12/05 - 19:42
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+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	

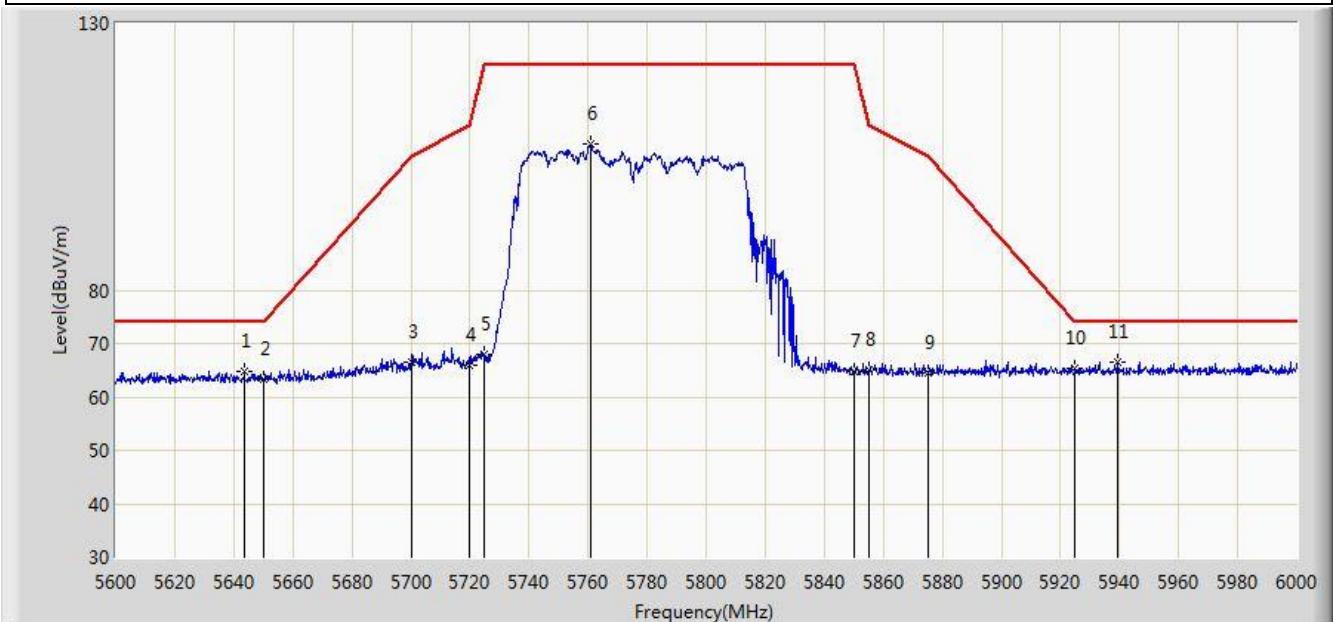


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5133.250	52.706	13.261	-1.294	54.000	39.445	AV
2			5150.000	52.974	13.533	-1.026	54.000	39.442	AV
3		*	5192.725	94.448	55.111	N/A	N/A	39.336	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/12/05 - 19:46
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+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	

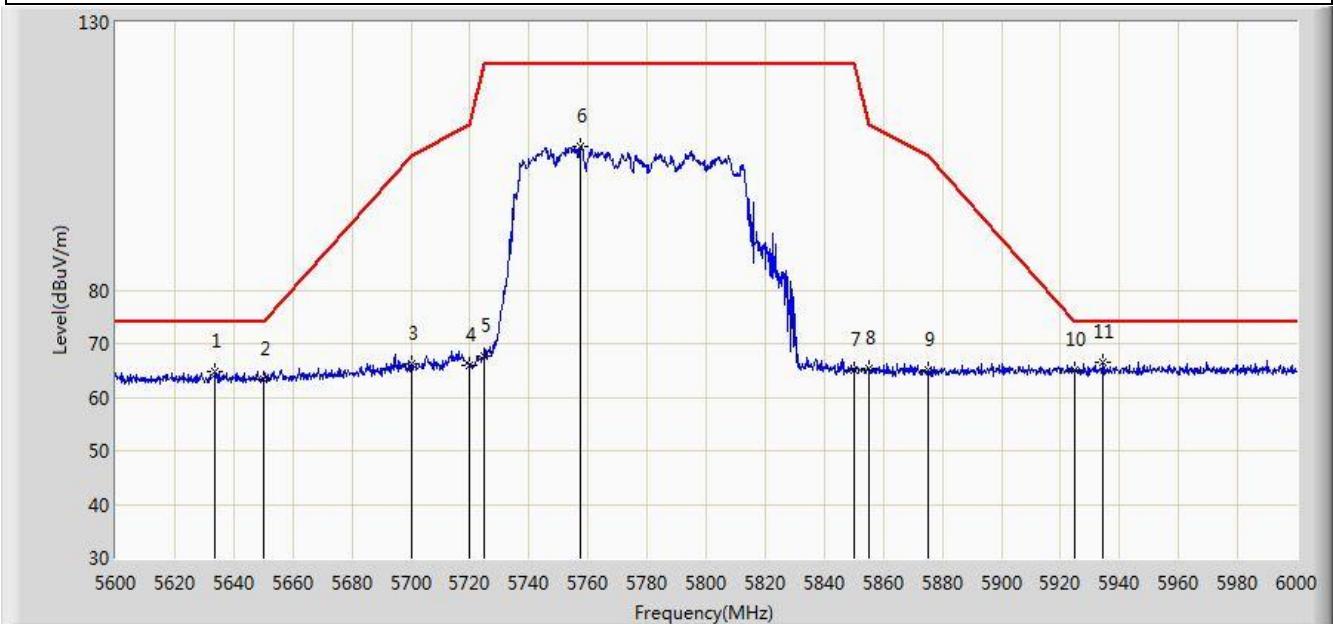


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5643.600	64.638	24.723	-9.362	74.000	39.915	PK
2			5650.000	63.417	23.488	-10.583	74.000	39.929	PK
3			5700.000	66.503	26.446	-38.697	105.200	40.057	PK
4			5720.000	65.990	25.849	-44.810	110.800	40.141	PK
5			5725.000	67.894	27.730	-54.306	122.200	40.164	PK
6			5760.800	107.477	67.158	N/A	N/A	40.319	PK
7			5850.000	64.831	24.165	-57.369	122.200	40.666	PK
8			5855.000	65.070	24.392	-45.730	110.800	40.678	PK
9			5875.000	64.527	23.807	-40.673	105.200	40.720	PK
10			5925.000	65.334	24.542	-8.666	74.000	40.792	PK
11	*		5939.200	66.583	25.776	-7.417	74.000	40.807	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/12/05 - 19:48
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 802.11ac-VHT80+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	



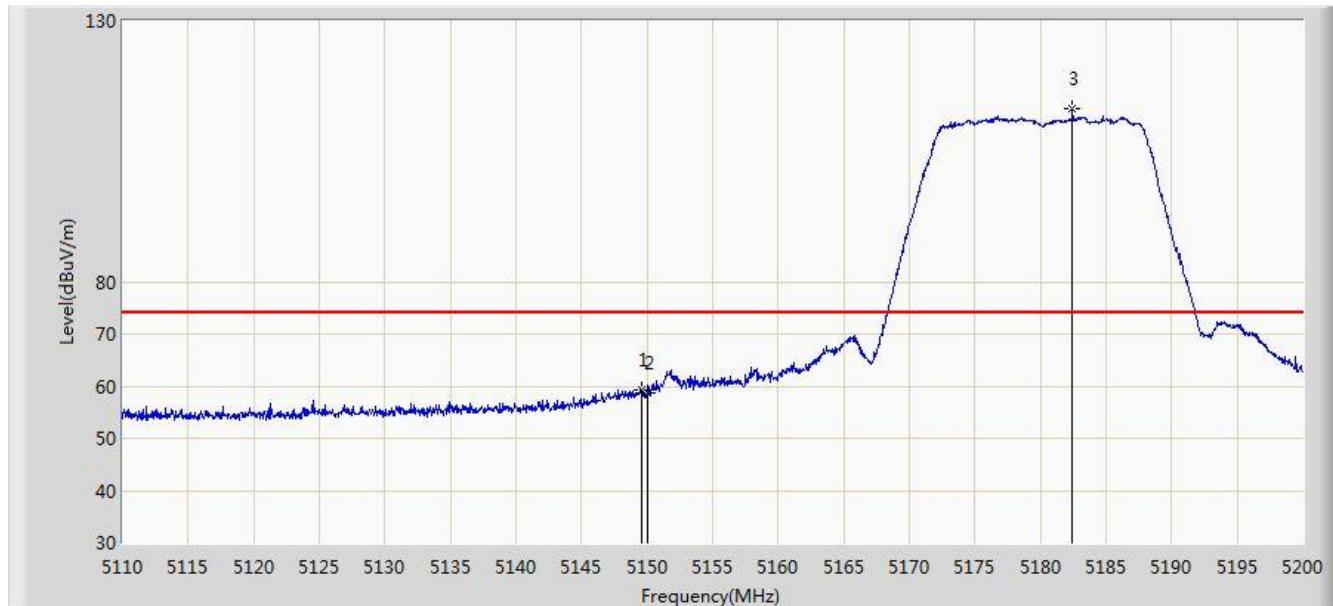
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5633.800	64.644	24.747	-9.356	74.000	39.897	PK
2			5650.000	63.345	23.416	-10.655	74.000	39.929	PK
3			5700.000	66.248	26.191	-38.952	105.200	40.057	PK
4			5720.000	65.992	25.851	-44.808	110.800	40.141	PK
5			5725.000	67.719	27.555	-54.481	122.200	40.164	PK
6			5757.200	106.796	66.491	N/A	N/A	40.305	PK
7			5850.000	65.133	24.467	-57.067	122.200	40.666	PK
8			5855.000	65.336	24.658	-45.464	110.800	40.678	PK
9			5875.000	64.961	24.241	-40.239	105.200	40.720	PK
10			5925.000	65.201	24.409	-8.799	74.000	40.792	PK
11	*		5934.400	66.607	25.805	-7.393	74.000	40.802	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

### Galtronics Omni Antenna Test Result

Site: AC1	Time: 2016/09/12 - 20:16
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	

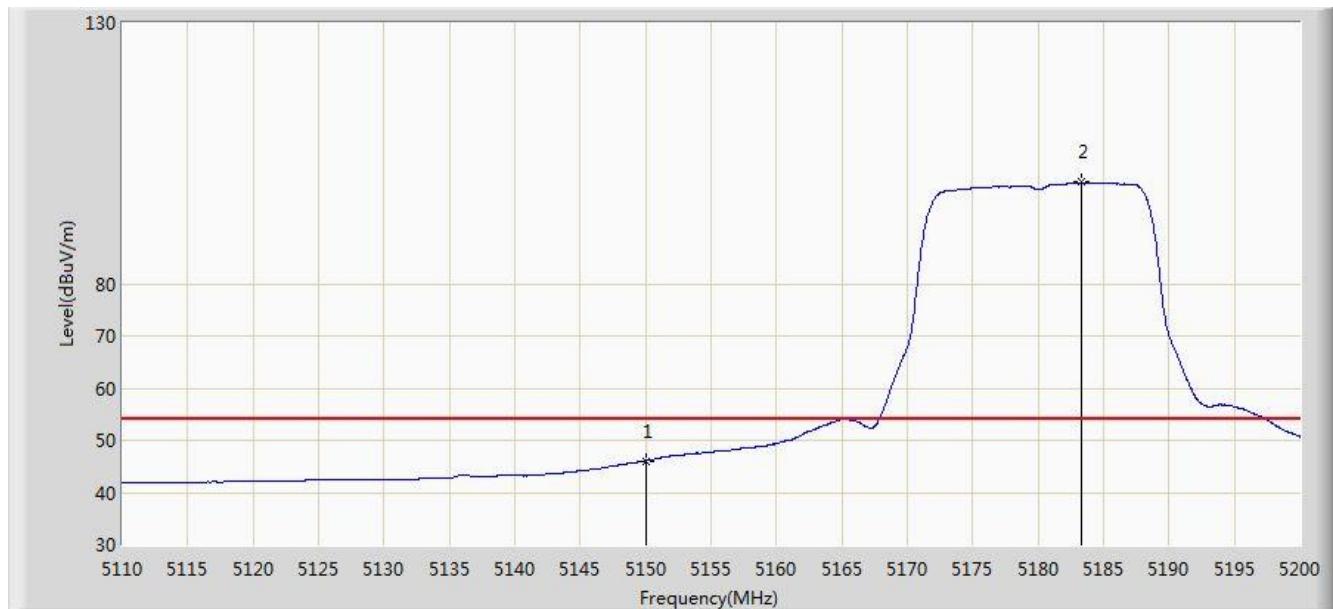


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.555	59.417	55.246	-14.583	74.000	4.170	PK
2			5150.000	58.560	54.391	-15.440	74.000	4.170	PK
3		*	5182.450	113.282	109.222	N/A	N/A	4.060	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 20:35
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	

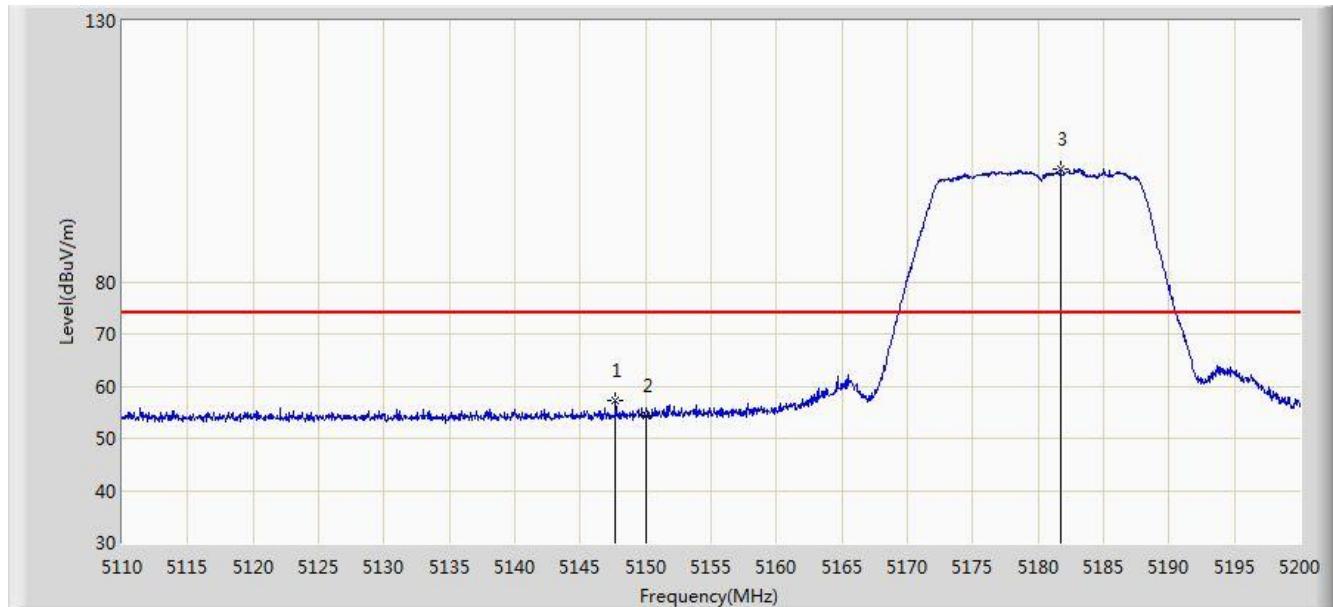


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	46.072	41.903	-7.928	54.000	4.170	AV
2	*	*	5183.305	99.423	95.366	N/A	N/A	4.057	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 20:40
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	

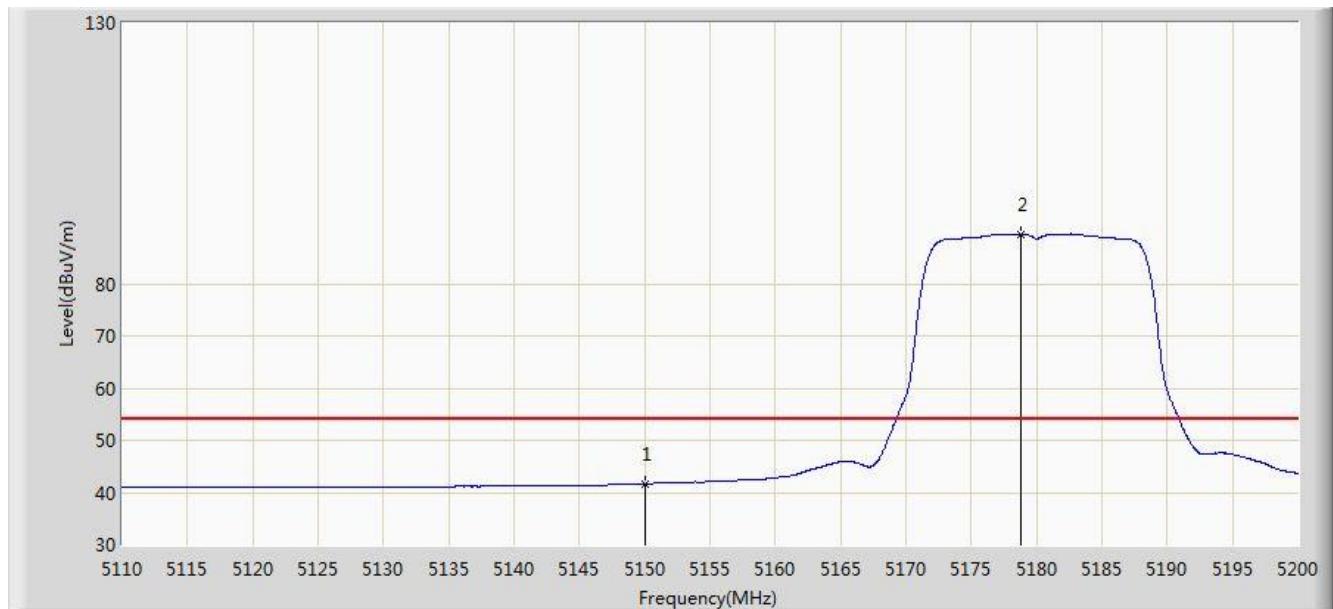


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.710	57.107	52.931	-16.893	74.000	4.176	PK
2			5150.000	54.341	50.172	-19.659	74.000	4.170	PK
3		*	5181.730	101.714	97.651	N/A	N/A	4.063	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 20:42
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	

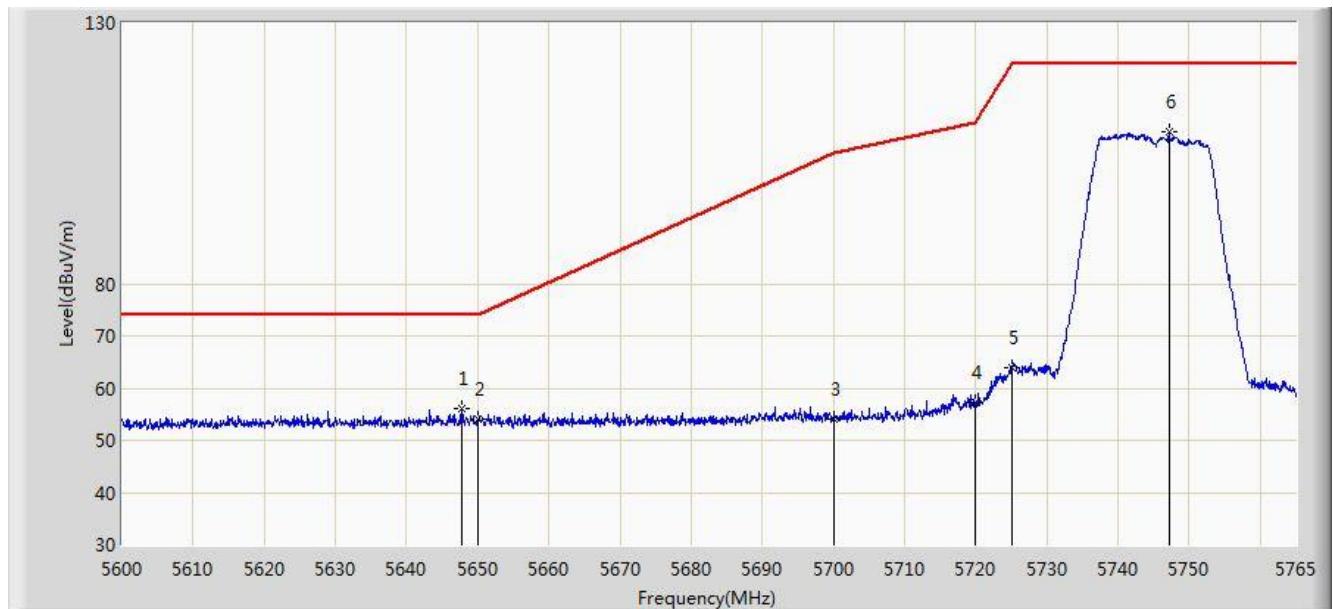


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	41.673	37.504	-12.327	54.000	4.170	AV
2		*	5178.850	89.481	85.408	N/A	N/A	4.073	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 20:59
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	

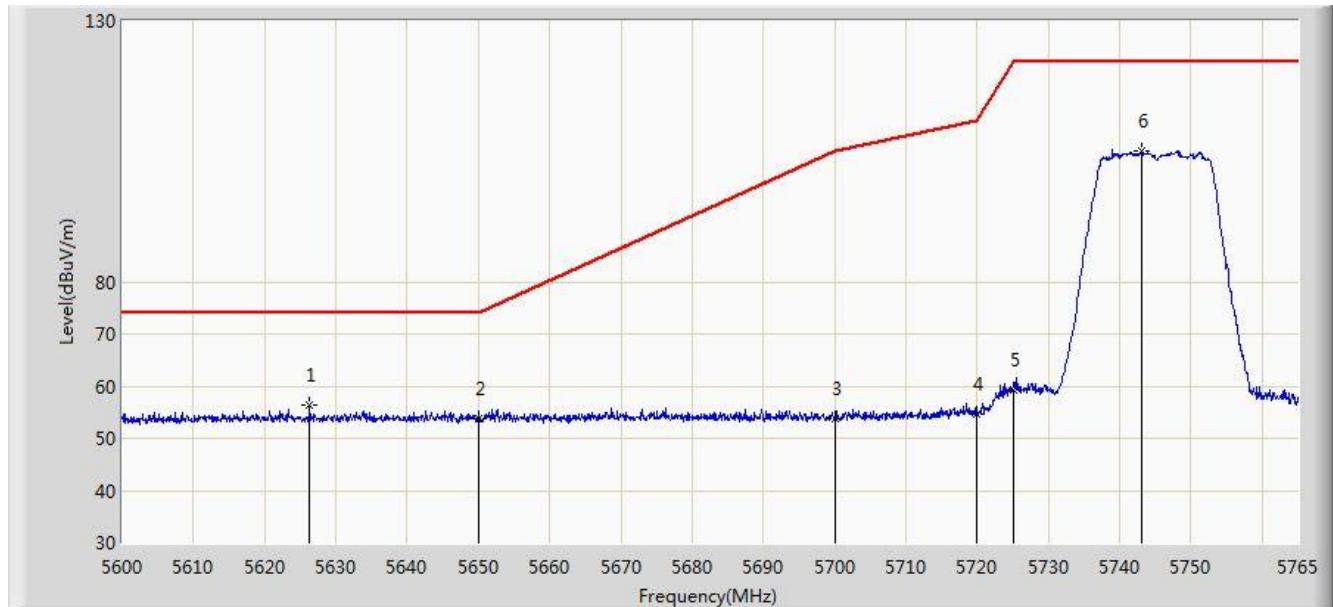


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5647.685	56.110	51.447	-17.890	74.000	4.663	PK
2			5650.000	54.014	49.343	-19.986	74.000	4.671	PK
3			5700.000	54.104	49.226	-51.096	105.200	4.878	PK
4			5720.000	57.164	52.167	-53.636	110.800	4.997	PK
5			5725.000	63.905	58.876	-58.295	122.200	5.029	PK
6	*		5747.180	109.229	104.062	N/A	N/A	5.167	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:01
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 802.11a at Channel 5745MHz Ant 0	

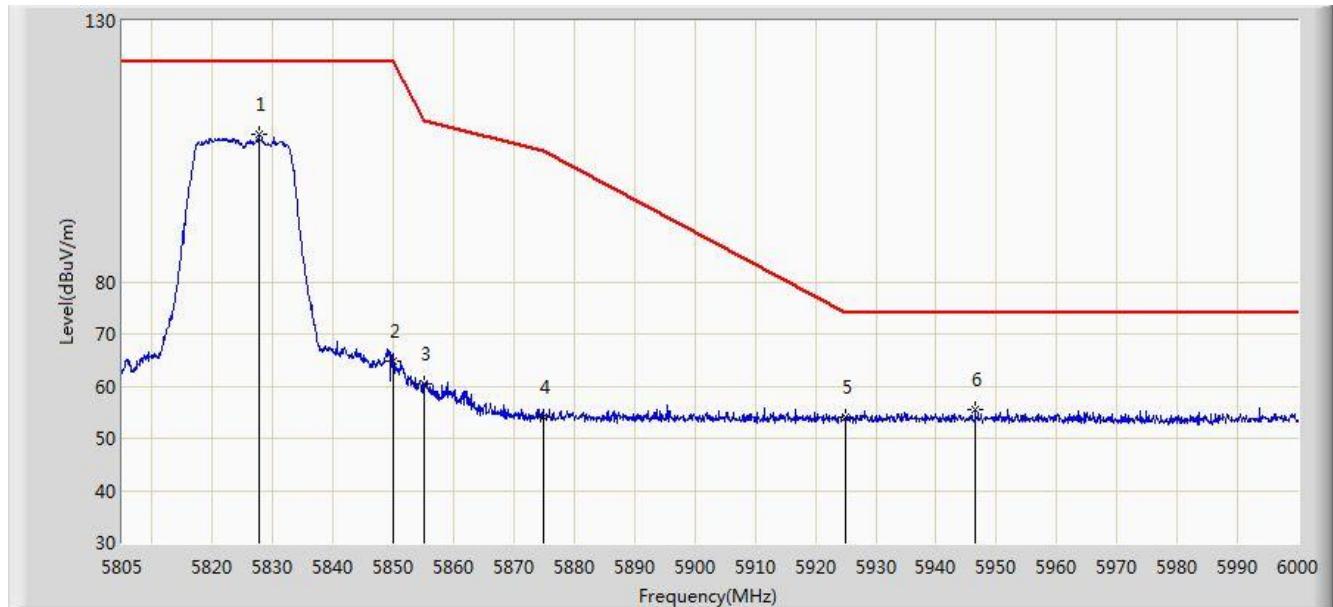


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5626.317	56.340	51.741	-17.660	74.000	4.598	PK
2			5650.000	53.788	49.117	-20.212	74.000	4.671	PK
3			5700.000	53.891	49.013	-51.309	105.200	4.878	PK
4			5720.000	54.503	49.506	-56.297	110.800	4.997	PK
5			5725.000	59.313	54.284	-62.887	122.200	5.029	PK
6	*		5743.138	105.017	99.873	N/A	N/A	5.144	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:03
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 802.11a at Channel 5825MHz Ant 0	

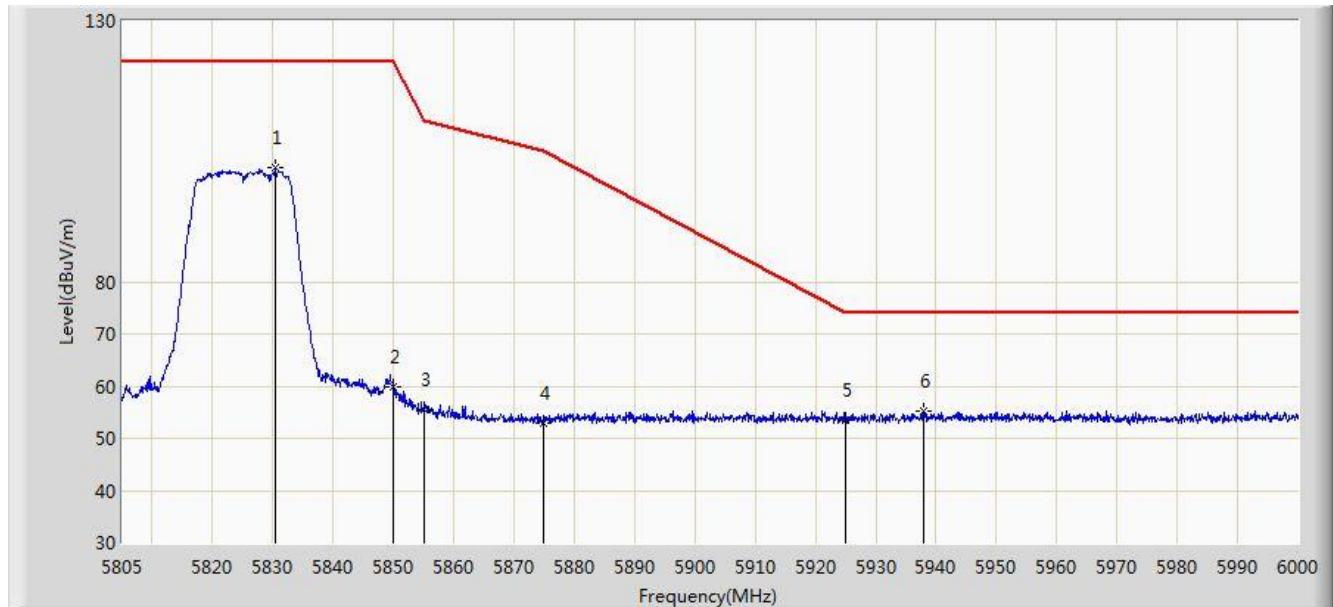


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1		*	5827.620	108.349	102.746	N/A	N/A	5.603	PK
2			5850.000	64.893	59.167	-57.307	122.200	5.726	PK
3			5855.000	60.459	54.713	-50.341	110.800	5.746	PK
4			5875.000	54.065	48.245	-51.135	105.200	5.820	PK
5			5925.000	54.042	48.076	-19.958	74.000	5.967	PK
6			5946.473	55.440	49.421	-18.560	74.000	6.019	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:04
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	

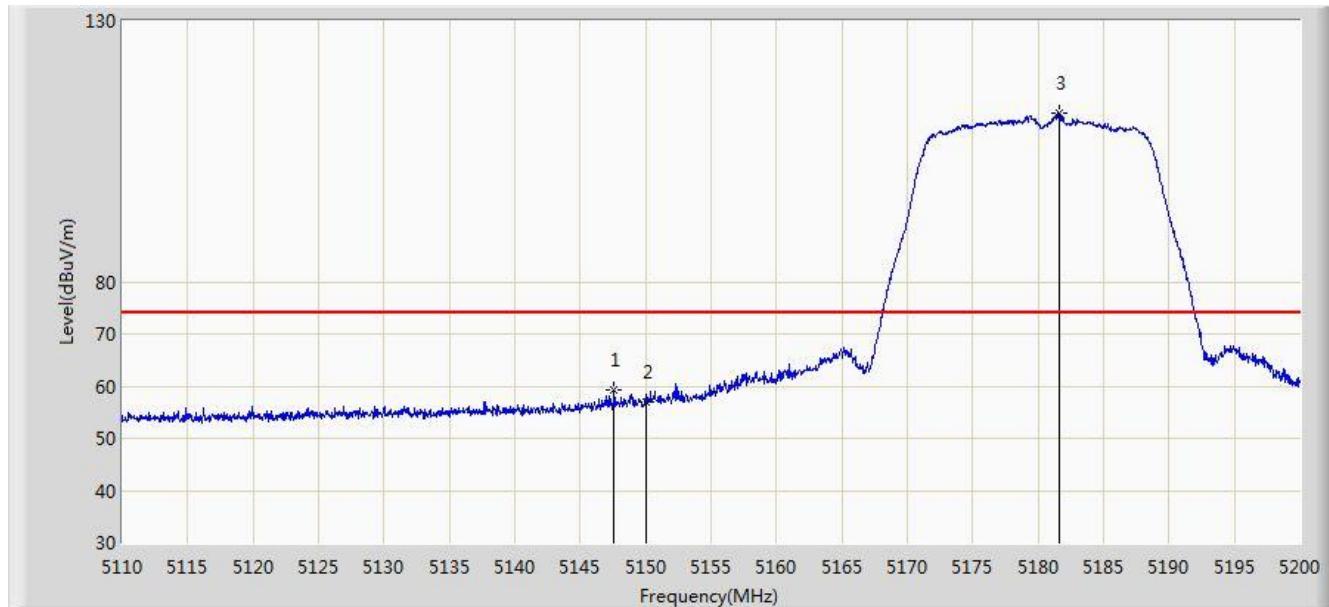


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5830.350	101.996	96.377	N/A	N/A	5.620	PK
2			5850.000	59.991	54.265	-62.209	122.200	5.726	PK
3			5855.000	55.474	49.728	-55.326	110.800	5.746	PK
4			5875.000	52.942	47.122	-52.258	105.200	5.820	PK
5			5925.000	53.599	47.633	-20.401	74.000	5.967	PK
6	*	*	5937.990	55.316	49.317	-18.684	74.000	5.998	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:06
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	

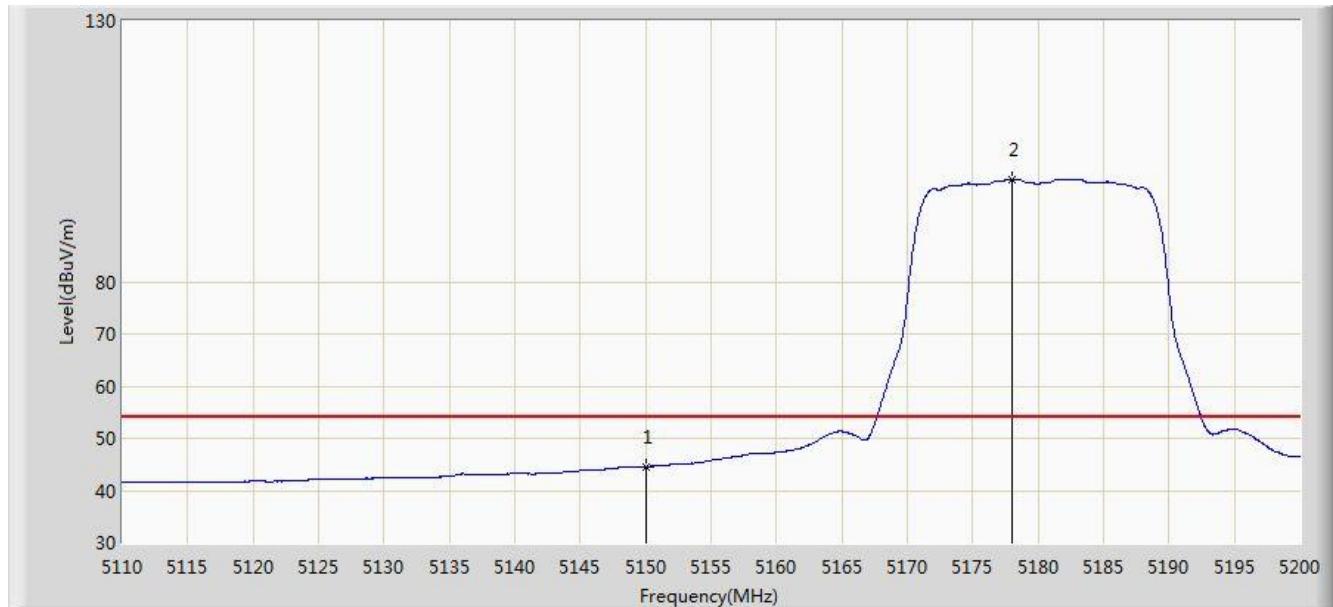


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.575	59.207	55.031	-14.793	74.000	4.176	PK
2			5150.000	56.894	52.725	-17.106	74.000	4.170	PK
3	*	*	5181.640	112.227	108.164	N/A	N/A	4.063	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:07
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	

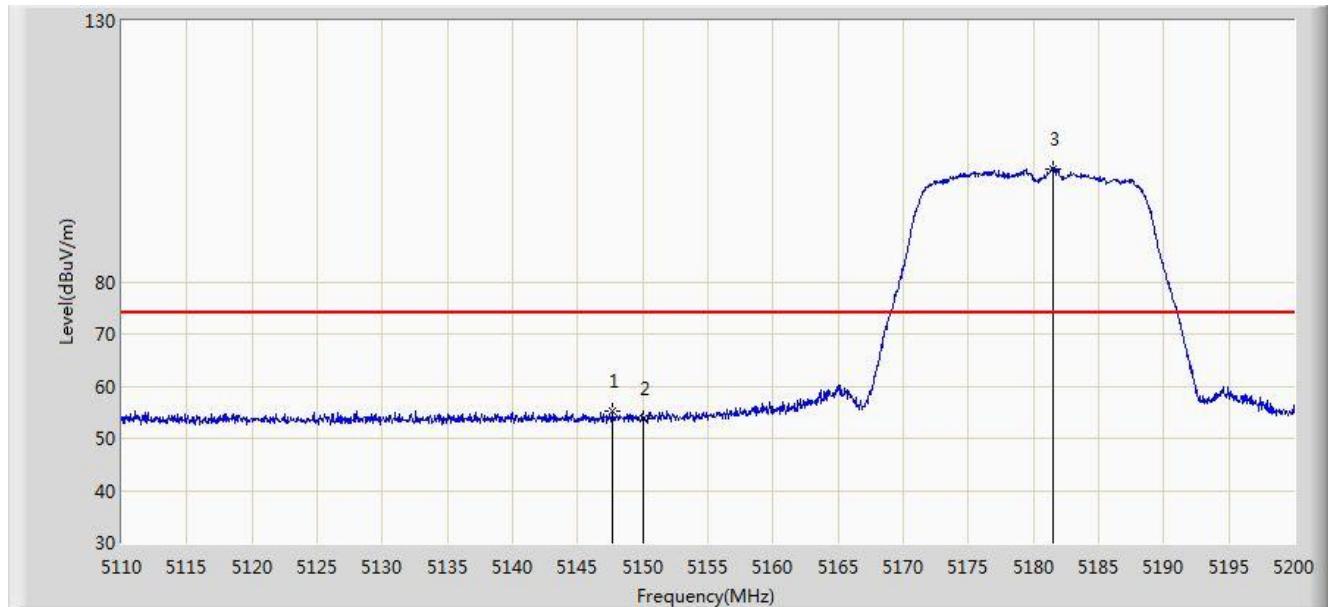


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	44.592	40.423	-9.408	54.000	4.170	AV
2	*	*	5177.995	99.424	95.348	N/A	N/A	4.077	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:08
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 802.11n-HT20 at Channel 5180MHz Ant 0	

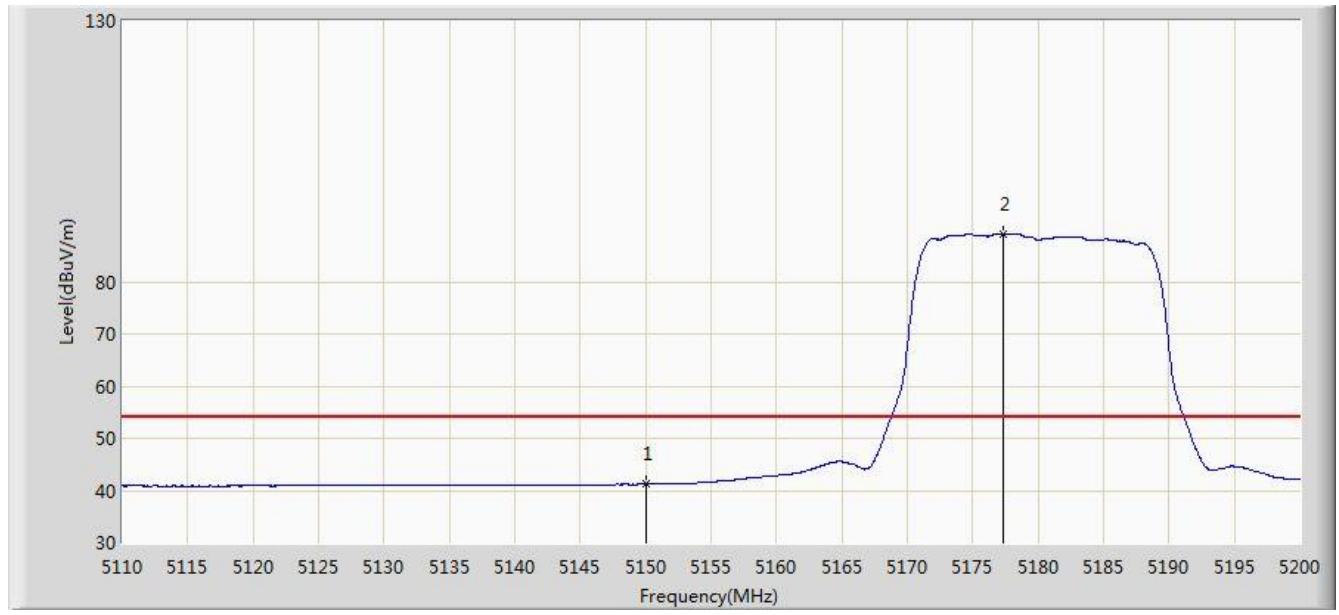


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.710	55.150	50.974	-18.850	74.000	4.176	PK
2			5150.000	53.868	49.699	-20.132	74.000	4.170	PK
3	*		5181.505	101.668	97.605	N/A	N/A	4.064	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:10
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-HT20 at Channel 5180MHz Ant 0	

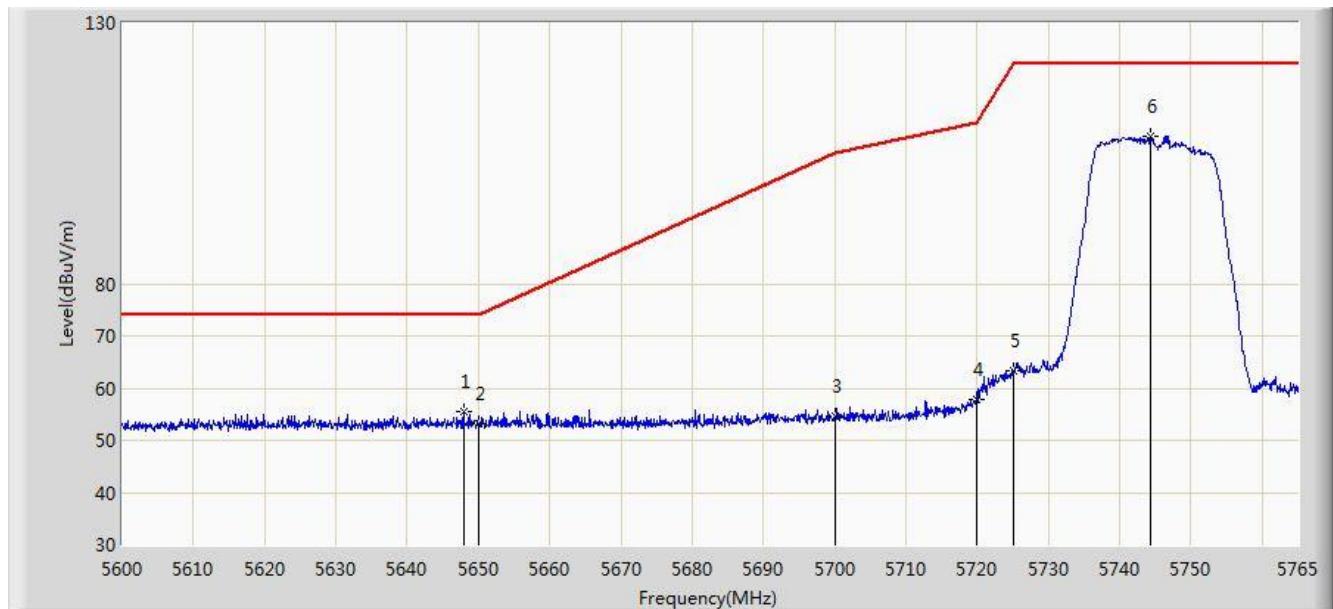


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	41.236	37.067	-12.764	54.000	4.170	AV
2	*		5177.275	89.261	85.182	N/A	N/A	4.078	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:24
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	

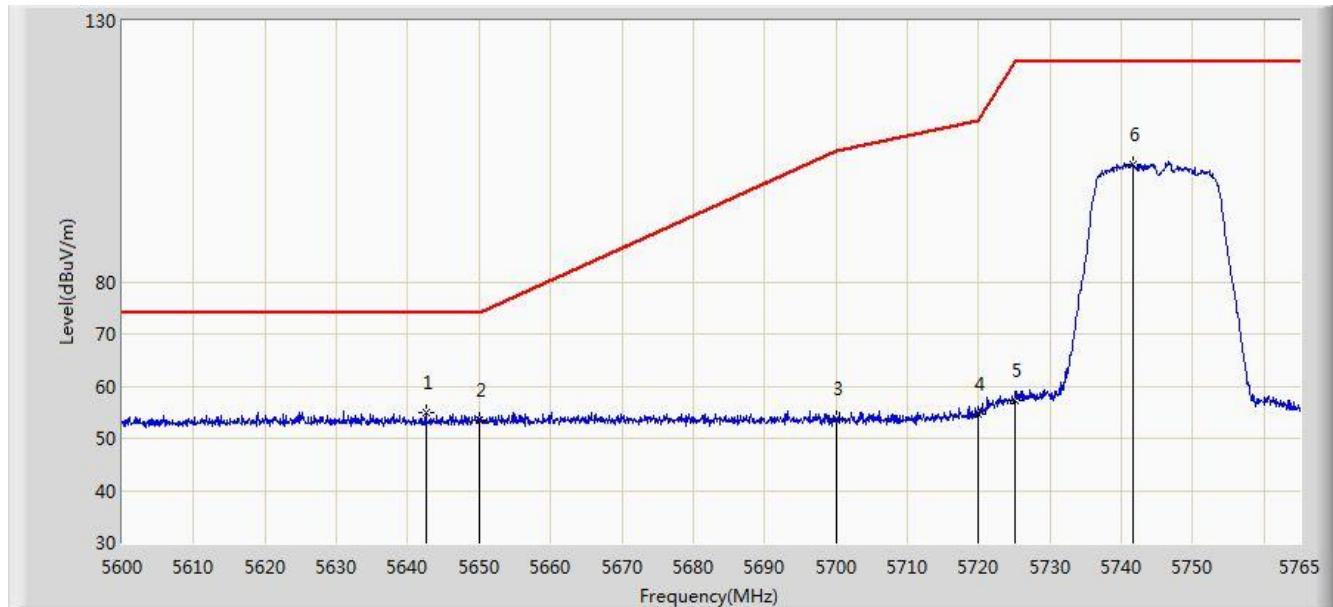


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5647.933	55.454	50.790	-18.546	74.000	4.665	PK
2			5650.000	53.097	48.426	-20.903	74.000	4.671	PK
3			5700.000	54.641	49.763	-50.559	105.200	4.878	PK
4			5720.000	57.859	52.862	-52.941	110.800	4.997	PK
5			5725.000	63.246	58.217	-58.954	122.200	5.029	PK
6	*		5744.292	108.278	103.127	N/A	N/A	5.151	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:26
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	

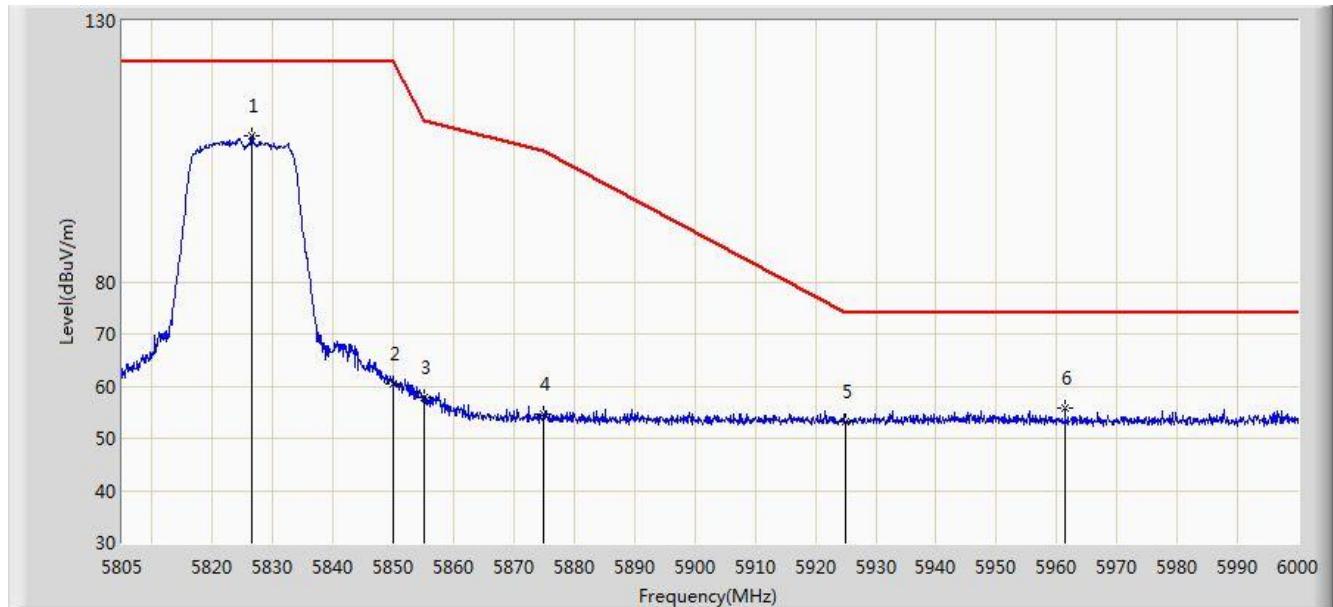


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5642.570	54.791	50.145	-19.209	74.000	4.646	PK
2			5650.000	53.616	48.945	-20.384	74.000	4.671	PK
3			5700.000	53.770	48.892	-51.430	105.200	4.878	PK
4			5720.000	54.538	49.541	-56.262	110.800	4.997	PK
5			5725.000	57.175	52.146	-65.025	122.200	5.029	PK
6			5741.735	102.569	97.433	N/A	N/A	5.136	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:27
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	

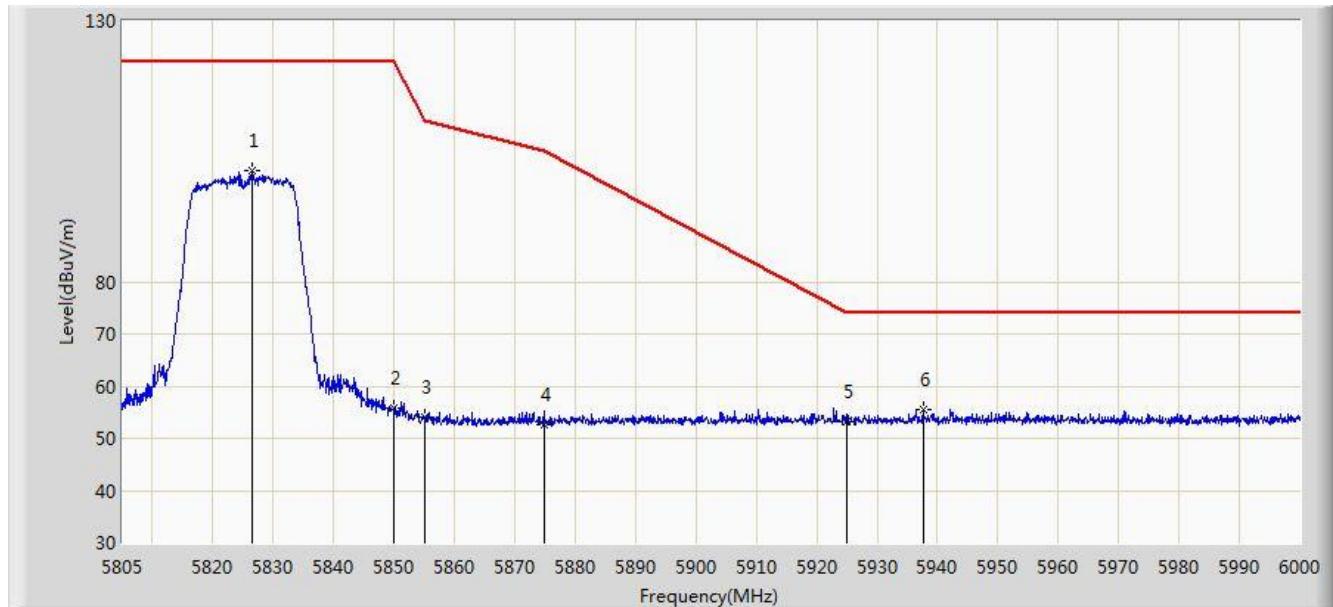


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.547	108.025	102.428	N/A	N/A	5.596	PK
2			5850.000	60.546	54.820	-61.654	122.200	5.726	PK
3			5855.000	57.859	52.113	-52.941	110.800	5.746	PK
4			5875.000	54.553	48.733	-50.647	105.200	5.820	PK
5			5925.000	53.121	47.155	-20.879	74.000	5.967	PK
6			5961.390	55.877	49.831	-18.123	74.000	6.047	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:28
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	

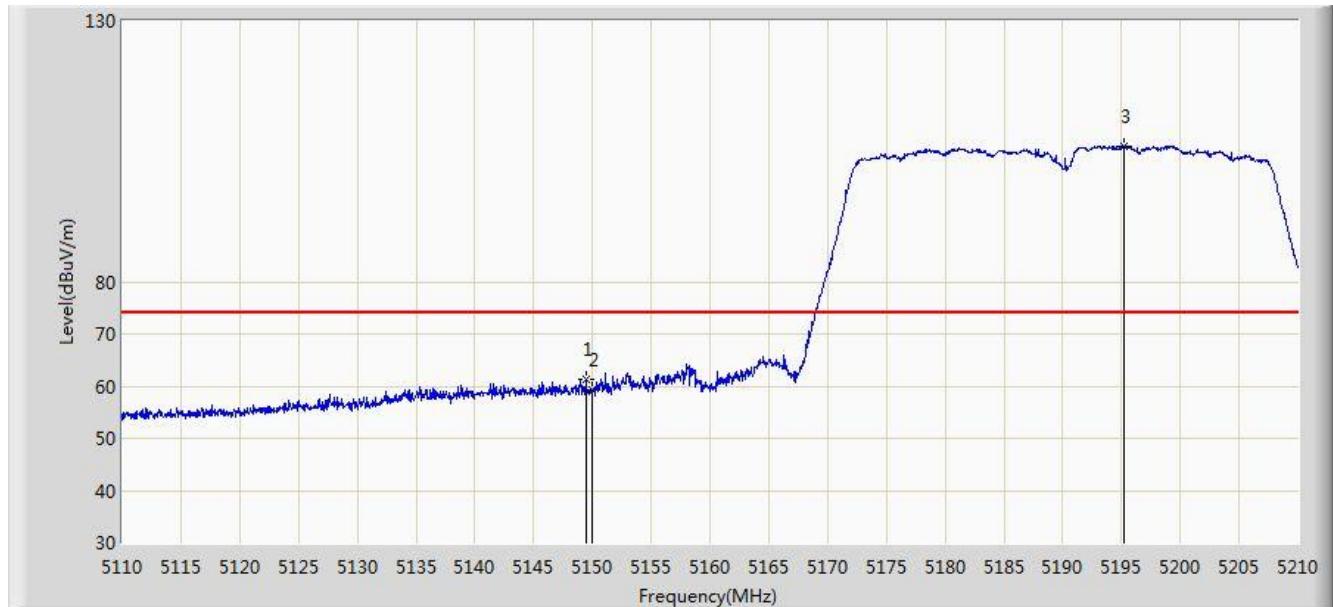


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5826.547	101.352	95.755	N/A	N/A	5.596	PK
2			5850.000	55.794	50.068	-66.406	122.200	5.726	PK
3			5855.000	53.940	48.194	-56.860	110.800	5.746	PK
4			5875.000	52.677	46.857	-52.523	105.200	5.820	PK
5			5925.000	53.102	47.136	-20.898	74.000	5.967	PK
6	*		5937.600	55.610	49.612	-18.390	74.000	5.998	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:29
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 802.11n-HT40 at Channel 5190MHz Ant 0	

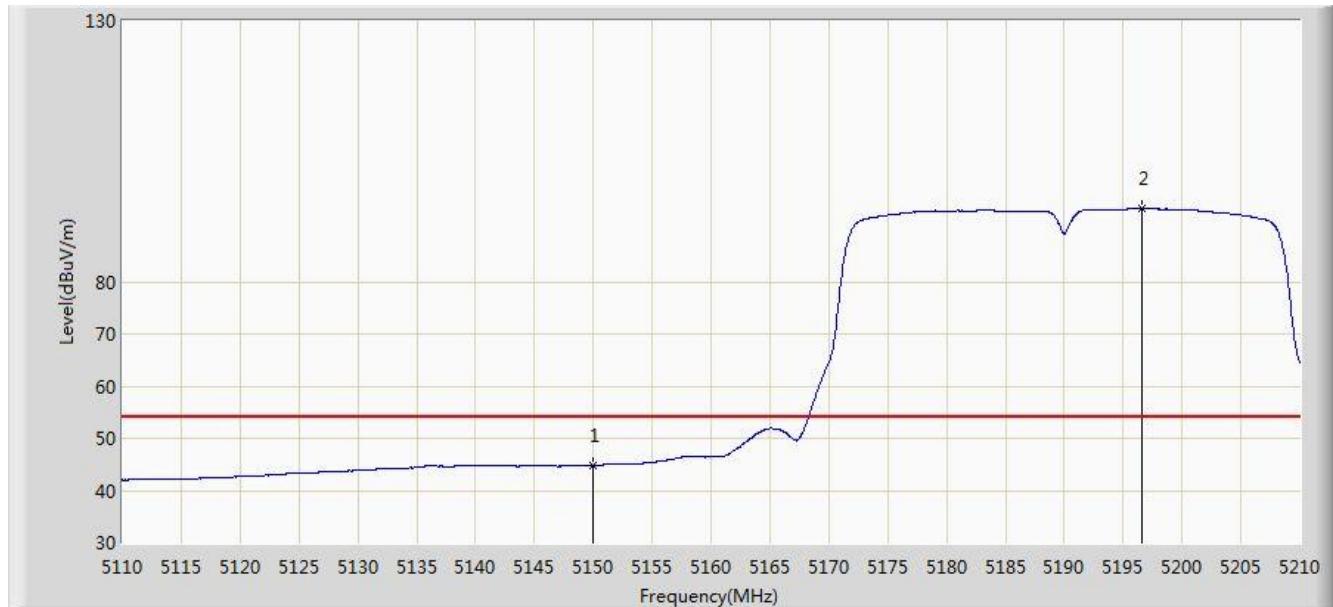


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.450	61.405	57.234	-12.595	74.000	4.170	PK
2			5150.000	59.349	55.180	-14.651	74.000	4.170	PK
3		*	5195.250	106.007	101.992	N/A	N/A	4.015	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:30
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 802.11n-HT40 at Channel 5190MHz Ant 0	

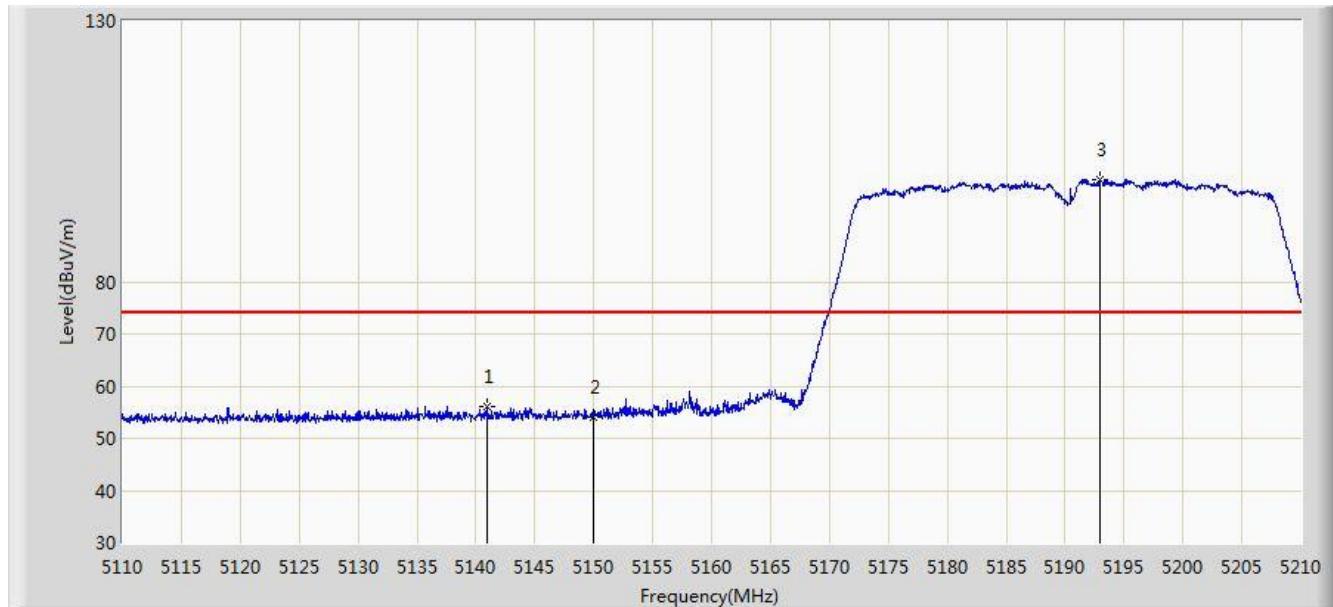


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.746	40.577	-9.254	54.000	4.170	AV
2	*	*	5196.550	94.053	90.043	N/A	N/A	4.009	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:32
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	

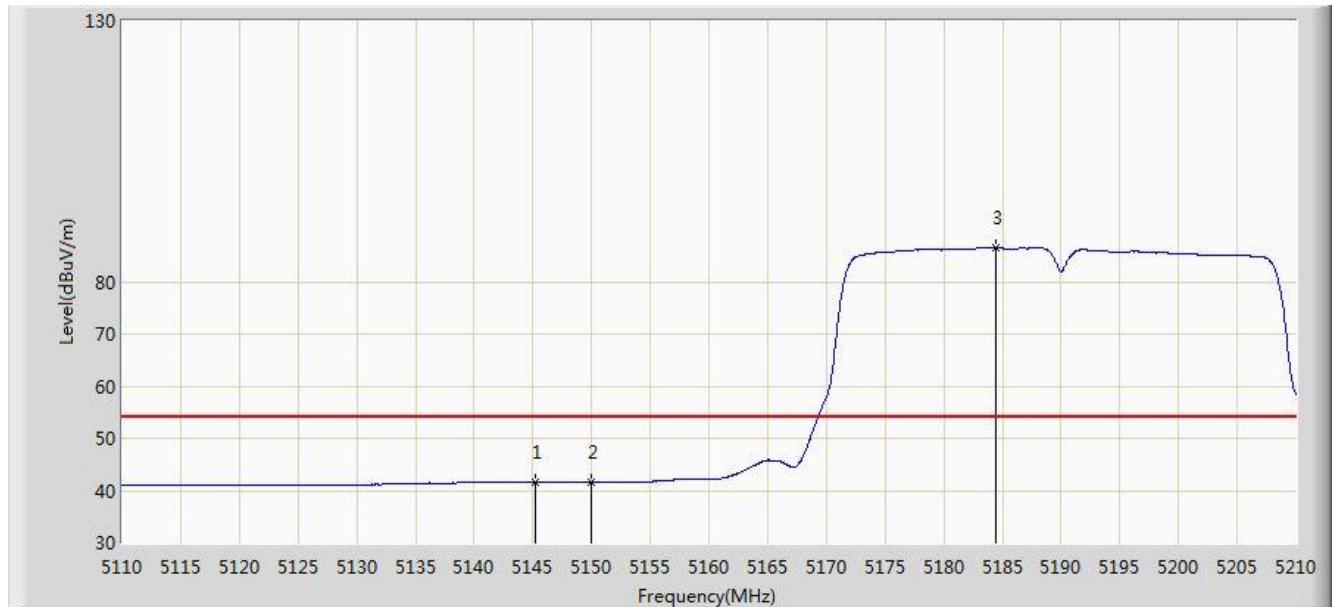


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.900	55.973	51.797	-18.027	74.000	4.175	PK
2			5150.000	53.967	49.798	-20.033	74.000	4.170	PK
3	*		5193.000	99.502	95.479	N/A	N/A	4.022	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:33
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 802.11n-HT40 at Channel 5190MHz Ant 0	

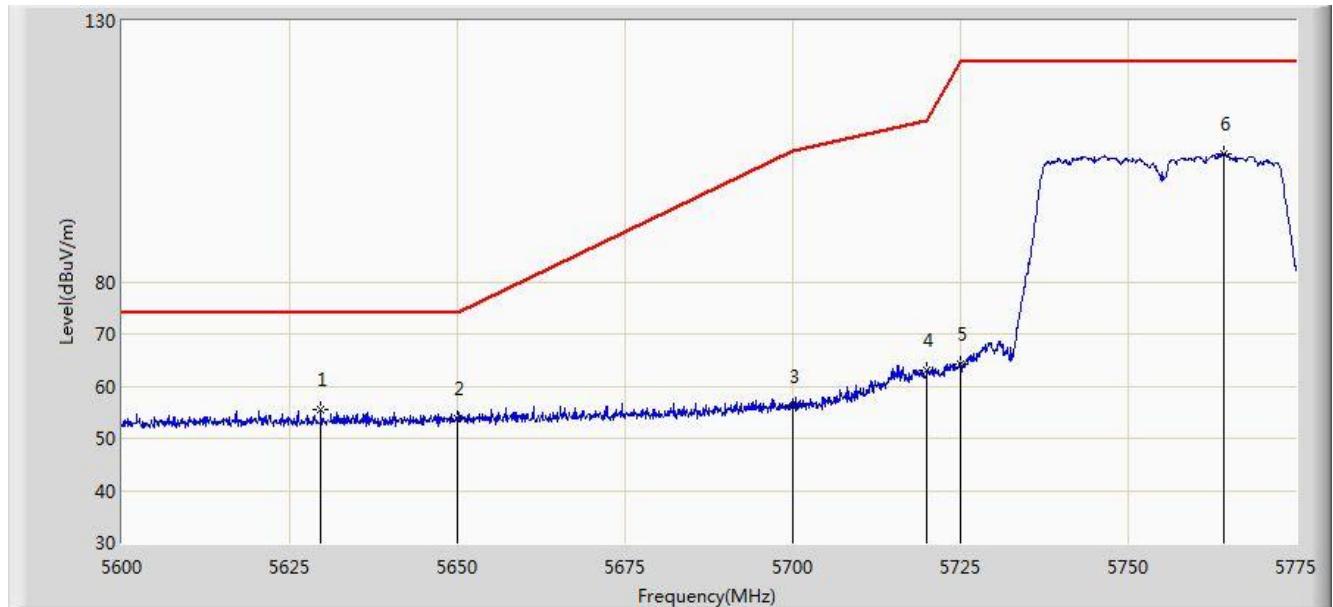


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.250	41.677	37.501	-12.323	54.000	4.176	AV
2			5150.000	41.569	37.400	-12.431	54.000	4.170	AV
3	*	*	5184.450	86.460	82.407	N/A	N/A	4.053	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:43
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 802.11n-HT40 at Channel 5755MHz Ant 0	

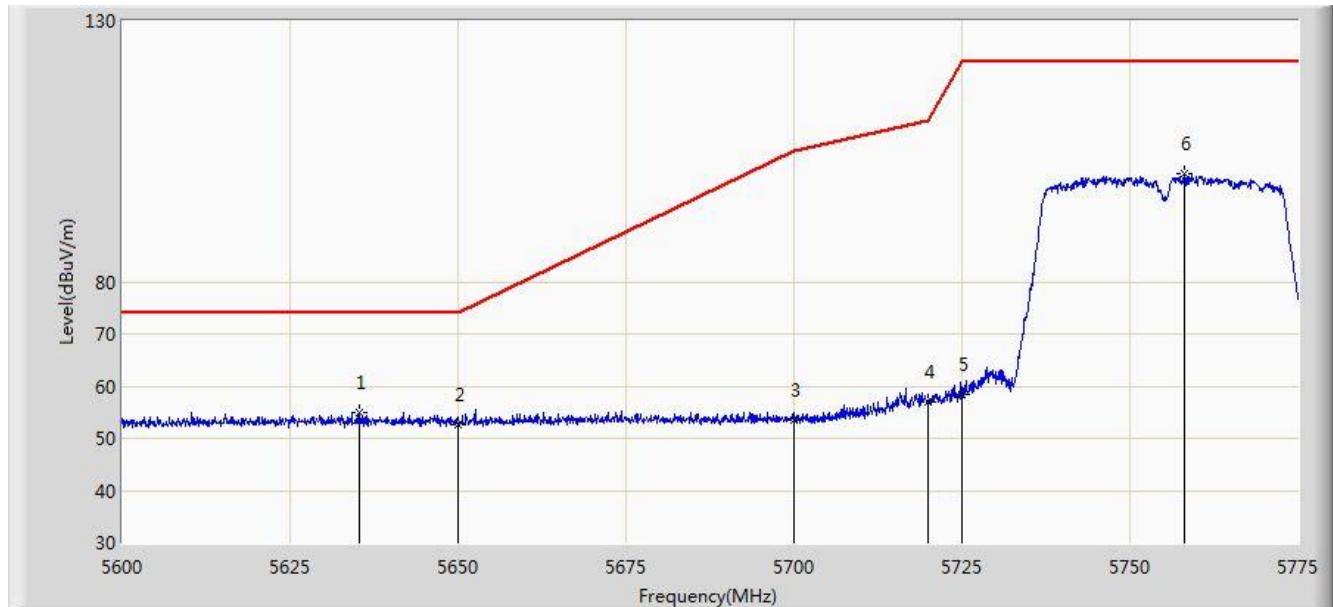


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5629.663	55.632	51.024	-18.368	74.000	4.608	PK
2			5650.000	53.630	48.959	-20.370	74.000	4.671	PK
3			5700.000	56.145	51.267	-49.055	105.200	4.878	PK
4			5720.000	63.021	58.024	-47.779	110.800	4.997	PK
5			5725.000	64.260	59.231	-57.940	122.200	5.029	PK
6	*		5764.325	104.407	99.145	N/A	N/A	5.262	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:44
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 802.11n-HT40 at Channel 5755MHz Ant 0	

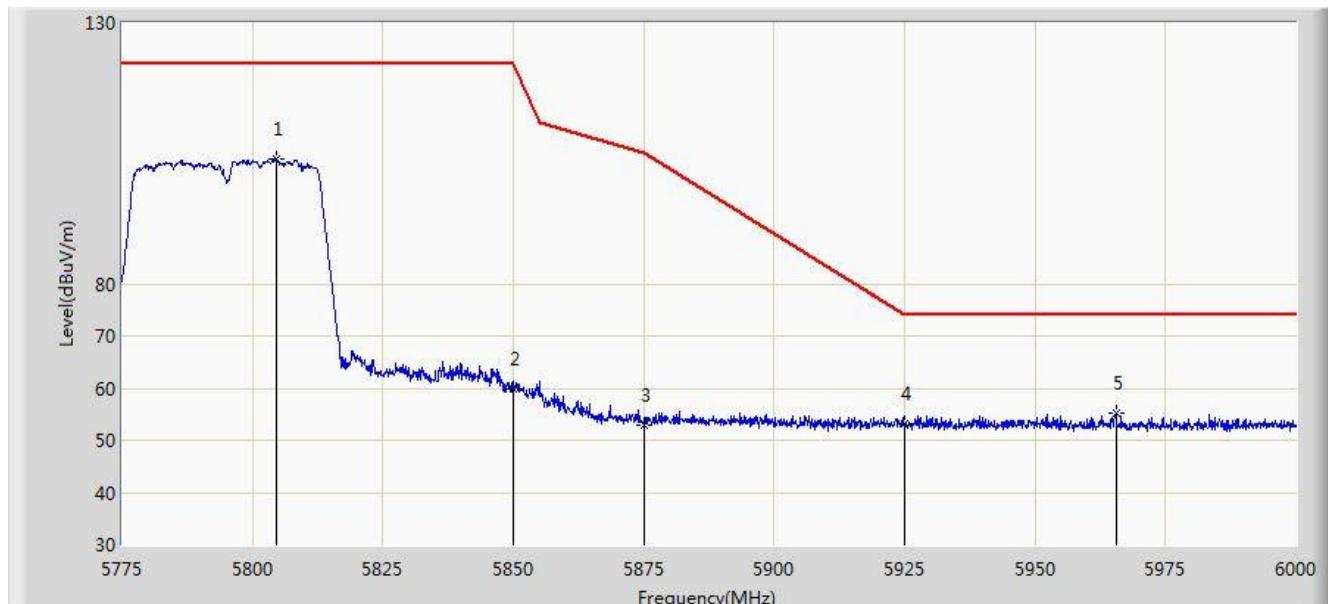


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5635.350	55.029	50.405	-18.971	74.000	4.624	PK
2			5650.000	52.730	48.059	-21.270	74.000	4.671	PK
3			5700.000	53.447	48.569	-51.753	105.200	4.878	PK
4			5720.000	56.950	51.953	-53.850	110.800	4.997	PK
5			5725.000	58.491	53.462	-63.709	122.200	5.029	PK
6			5758.200	100.681	95.451	N/A	N/A	5.229	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:45
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	

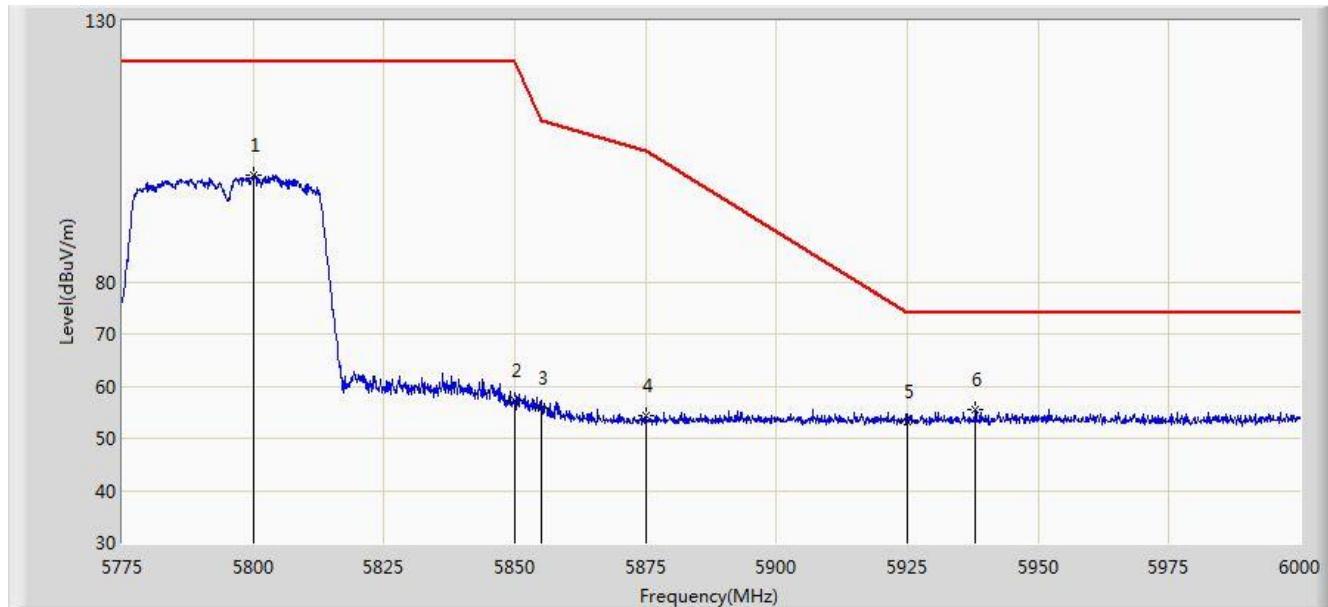


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5804.587	103.778	98.307	N/A	N/A	5.471	PK
2			5850.000	59.968	54.242	-62.232	122.200	5.726	PK
3			5875.000	52.999	47.179	-52.201	105.200	5.820	PK
4			5925.000	53.057	47.091	-20.943	74.000	5.967	PK
5			5965.462	55.093	49.040	-18.907	74.000	6.053	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:46
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	

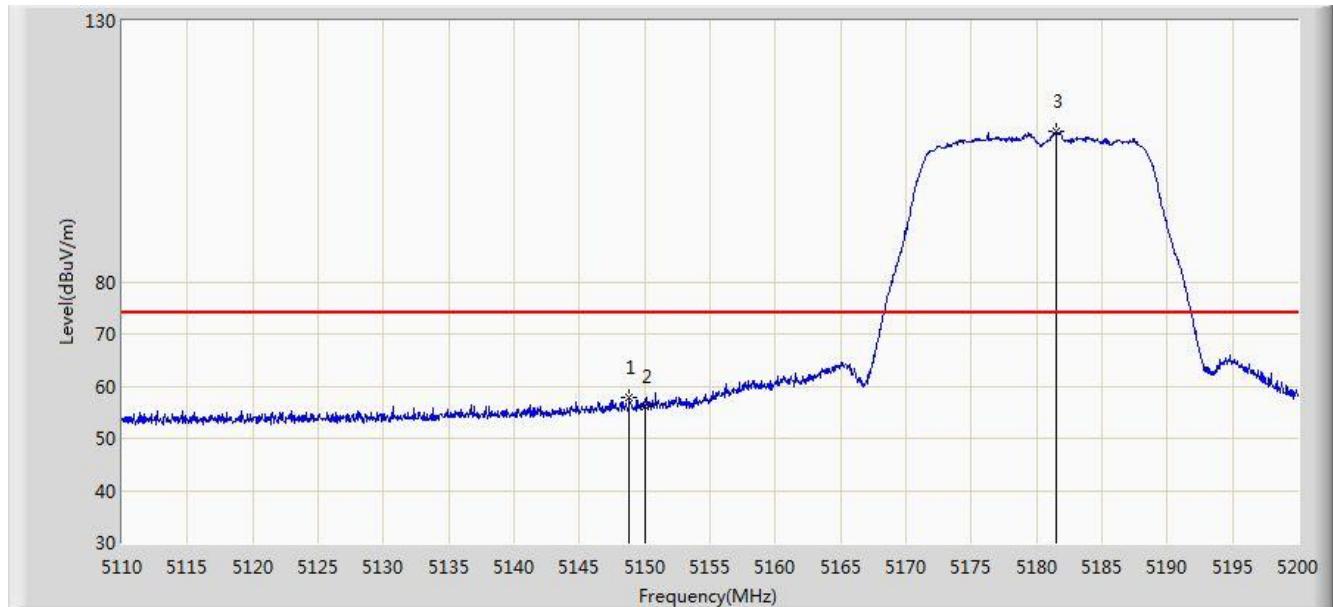


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5800.087	100.362	94.916	N/A	N/A	5.445	PK
2			5850.000	57.309	51.583	-64.891	122.200	5.726	PK
3			5855.000	55.824	50.078	-54.976	110.800	5.746	PK
4			5875.000	54.259	48.439	-50.941	105.200	5.820	PK
5			5925.000	53.213	47.247	-20.787	74.000	5.967	PK
6	*		5938.013	55.432	49.433	-18.568	74.000	5.998	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:47
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 802.11ac-VHT20 at Channel 5180MHz Ant 0	

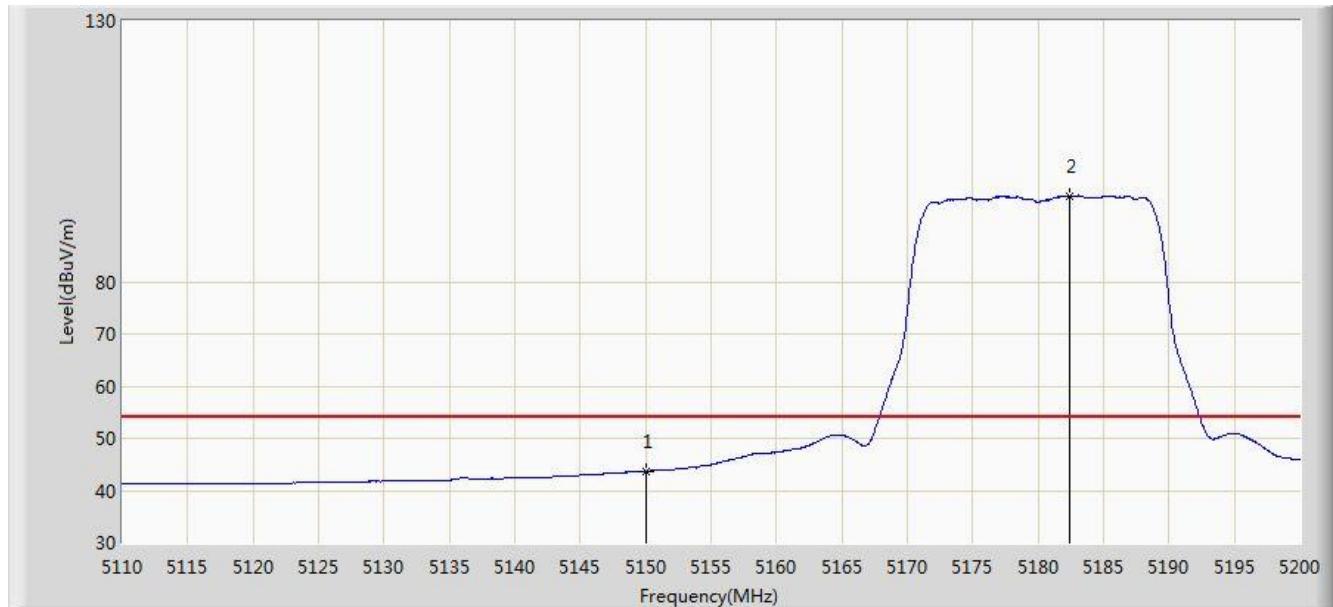


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.790	57.871	53.698	-16.129	74.000	4.174	PK
2			5150.000	56.067	51.898	-17.933	74.000	4.170	PK
3		*	5181.460	108.839	104.775	N/A	N/A	4.064	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:48
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	

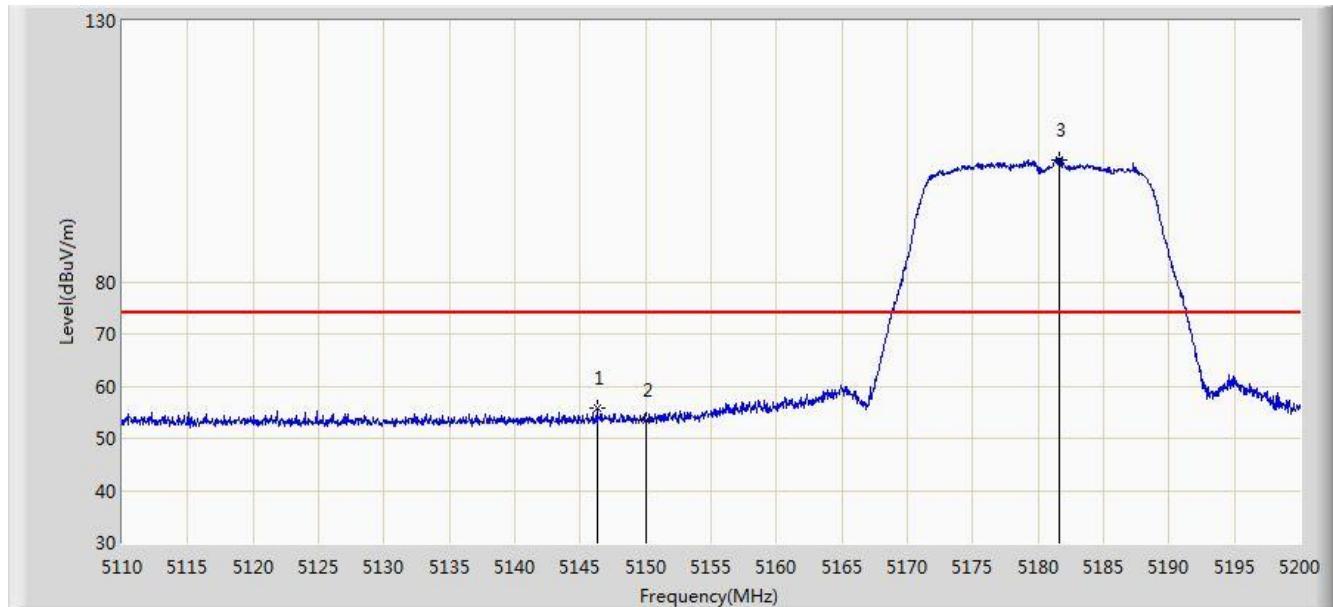


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	43.685	39.516	-10.315	54.000	4.170	AV
2	*		5182.450	96.366	92.306	N/A	N/A	4.060	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:49
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 802.11ac-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			5146.315	55.717	51.541	-18.283	74.000	4.176	PK
2			5150.000	53.576	49.407	-20.424	74.000	4.170	PK
3	*		5181.595	103.455	99.392	N/A	N/A	4.063	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:50
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	

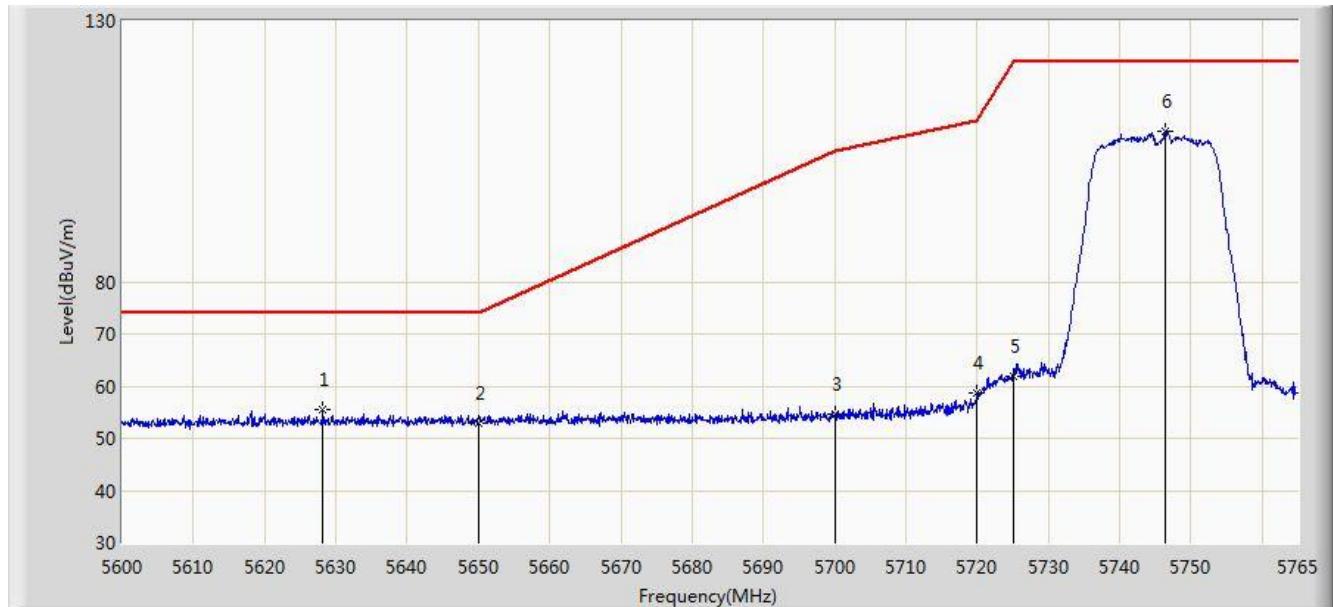


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	41.490	37.321	-12.510	54.000	4.170	AV
2	*		5177.545	91.048	86.970	N/A	N/A	4.077	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 21:59
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	

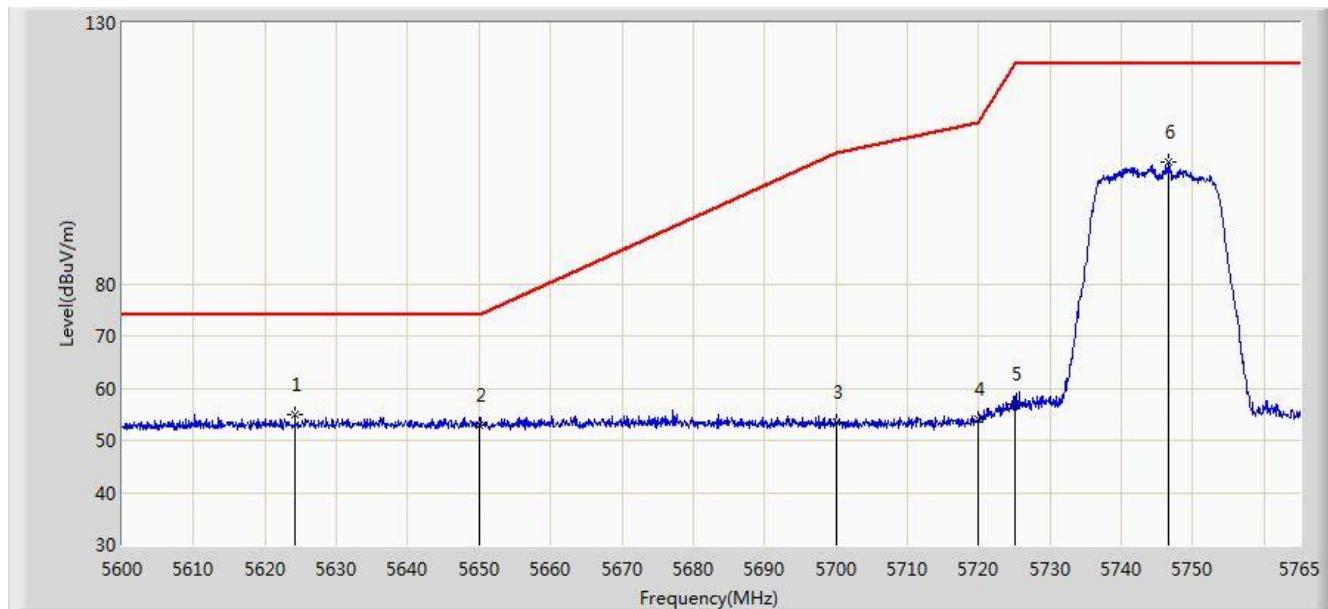


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5628.215	55.379	50.775	-18.621	74.000	4.604	PK
2			5650.000	52.951	48.280	-21.049	74.000	4.671	PK
3			5700.000	54.568	49.690	-50.632	105.200	4.878	PK
4			5720.000	58.695	53.698	-52.105	110.800	4.997	PK
5			5725.000	62.018	56.989	-60.182	122.200	5.029	PK
6	*		5746.355	108.801	103.638	N/A	N/A	5.163	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:00
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	

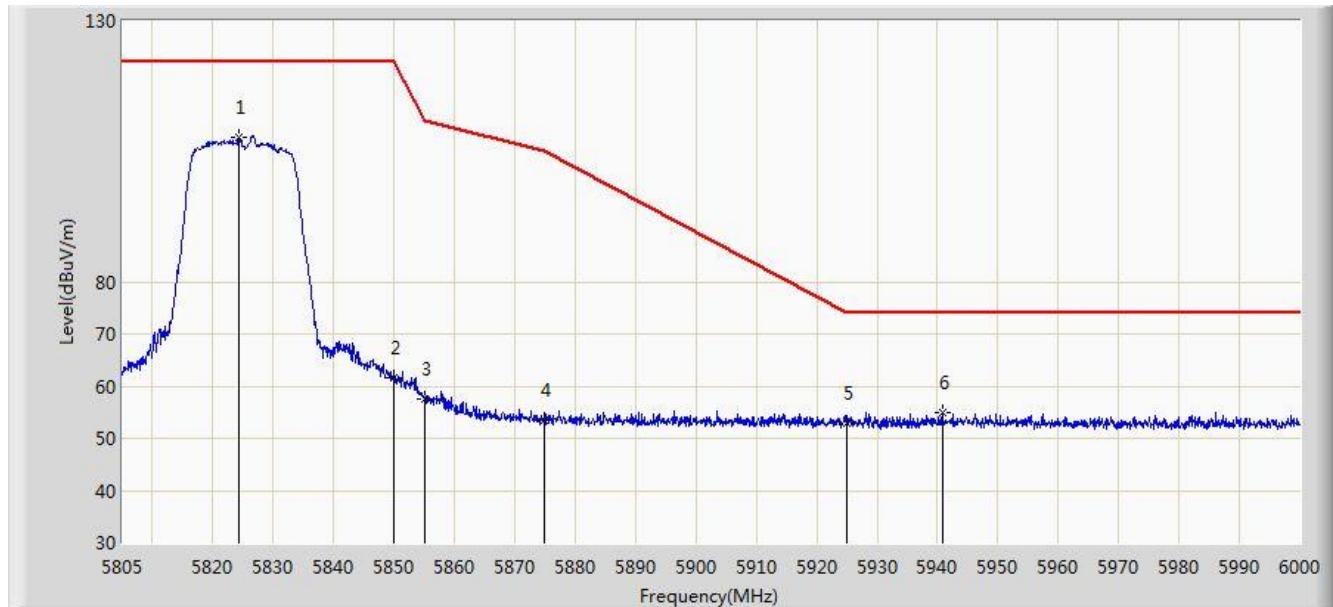


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5624.172	55.039	50.447	-18.961	74.000	4.592	PK
2			5650.000	53.006	48.335	-20.994	74.000	4.671	PK
3			5700.000	53.440	48.562	-51.760	105.200	4.878	PK
4			5720.000	54.112	49.115	-56.688	110.800	4.997	PK
5			5725.000	57.067	52.038	-65.133	122.200	5.029	PK
6	*		5746.685	103.434	98.269	N/A	N/A	5.165	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:01
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	

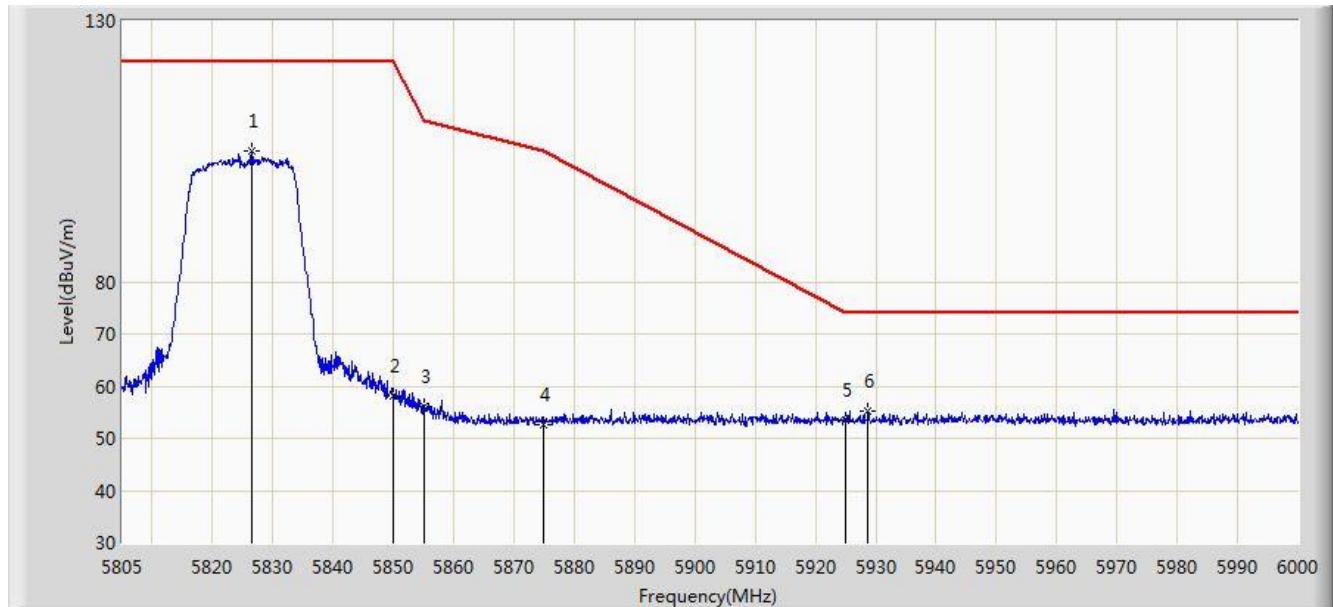


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5824.305	107.825	102.241	N/A	N/A	5.584	PK
2			5850.000	61.550	55.824	-60.650	122.200	5.726	PK
3			5855.000	57.412	51.666	-53.388	110.800	5.746	PK
4			5875.000	53.471	47.651	-51.729	105.200	5.820	PK
5			5925.000	52.783	46.817	-21.217	74.000	5.967	PK
6			5940.817	54.961	48.955	-19.039	74.000	6.006	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:02
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 802.11ac-VHT20 at Channel 5825MHz Ant 0	

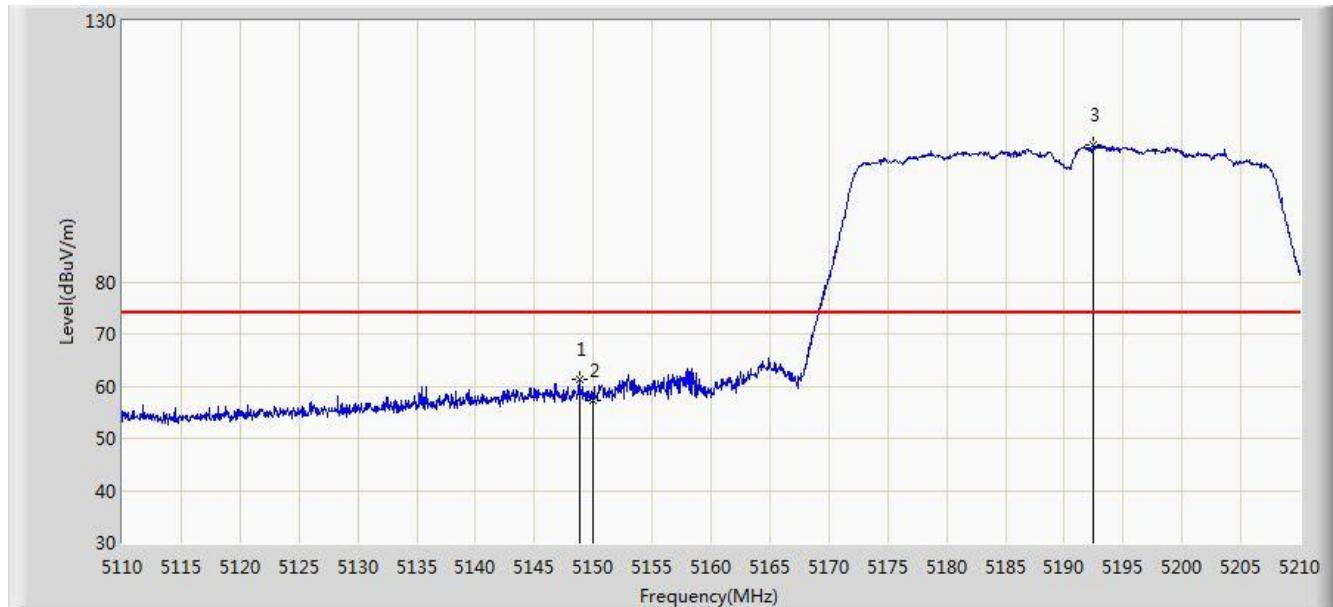


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*		5826.547	104.931	99.334	N/A	N/A	5.596	PK
2			5850.000	57.977	52.251	-64.223	122.200	5.726	PK
3			5855.000	55.982	50.236	-54.818	110.800	5.746	PK
4			5875.000	52.742	46.922	-52.458	105.200	5.820	PK
5			5925.000	53.356	47.390	-20.644	74.000	5.967	PK
6			5928.728	55.276	49.300	-18.724	74.000	5.976	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:03
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	

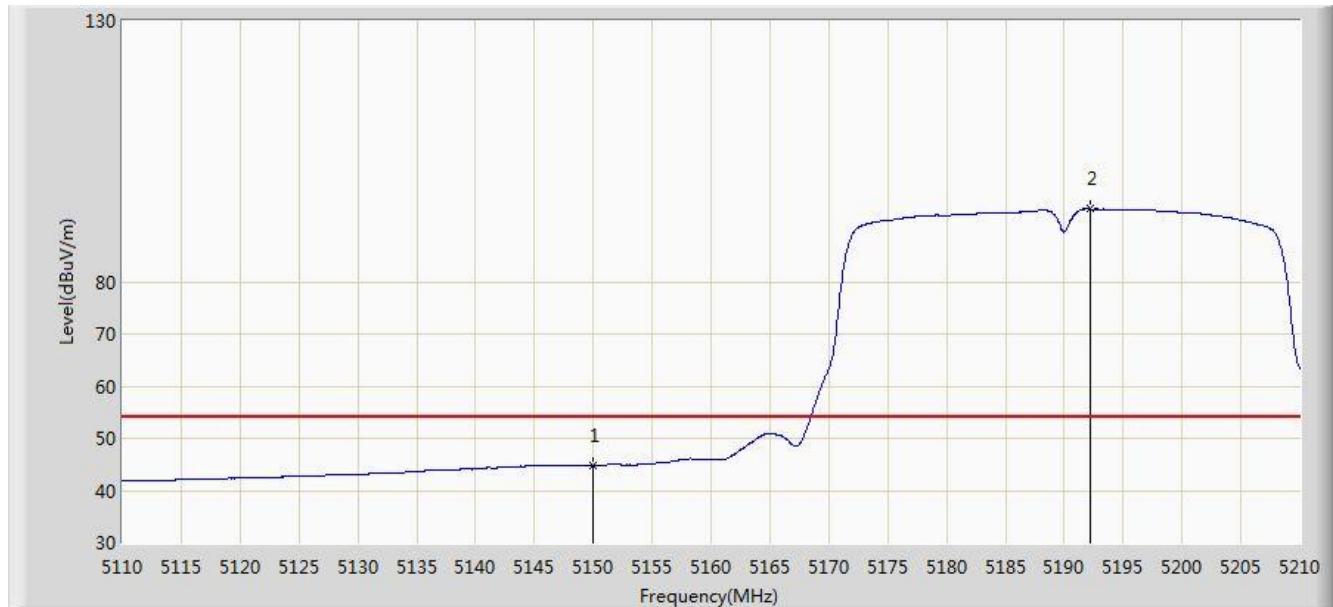


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.800	61.257	57.084	-12.743	74.000	4.174	PK
2			5150.000	57.225	53.056	-16.775	74.000	4.170	PK
3	*	*	5192.500	106.251	102.226	N/A	N/A	4.024	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:04
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	

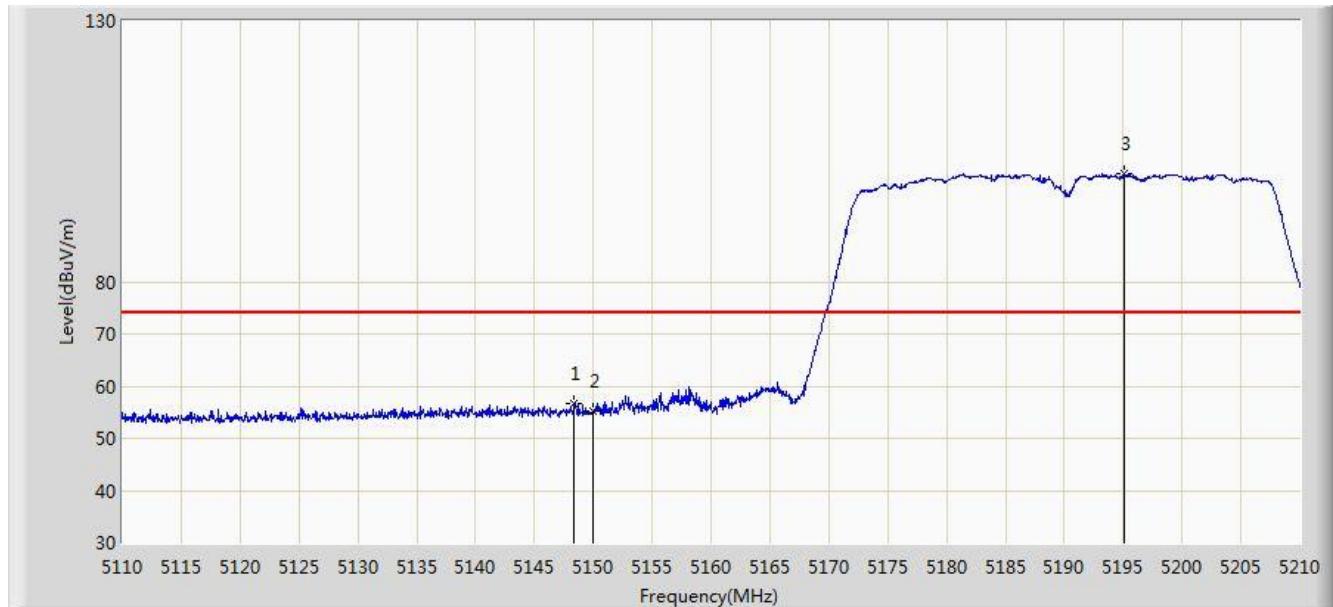


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	44.779	40.610	-9.221	54.000	4.170	AV
2	*		5192.200	93.955	89.929	N/A	N/A	4.026	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:04
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	

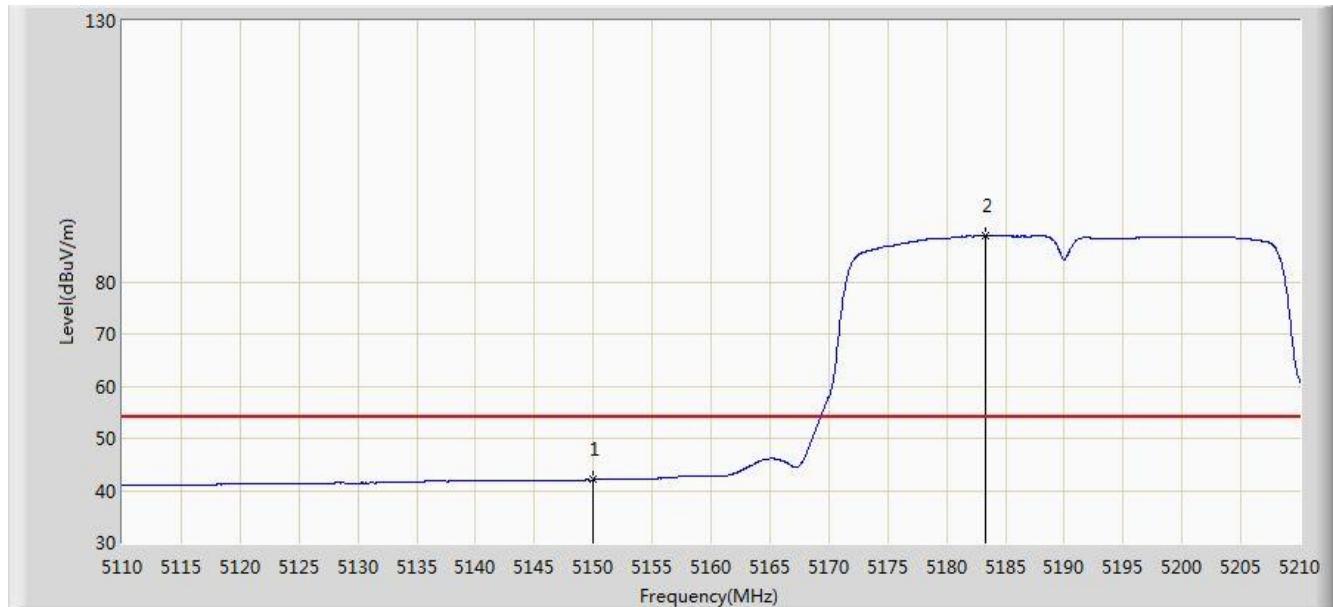


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.400	56.642	52.468	-17.358	74.000	4.174	PK
2			5150.000	55.157	50.988	-18.843	74.000	4.170	PK
3		*	5195.100	100.710	96.695	N/A	N/A	4.015	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:05
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	

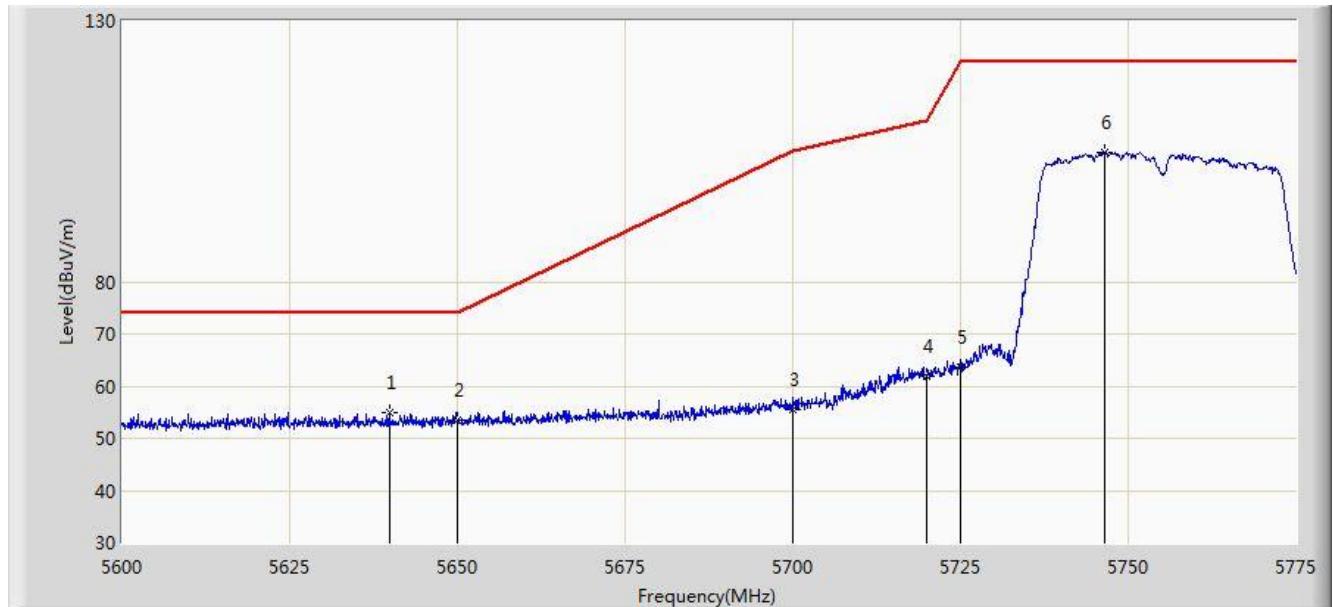


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	42.062	37.893	-11.938	54.000	4.170	AV
2		*	5183.350	88.898	84.841	N/A	N/A	4.056	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:15
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	

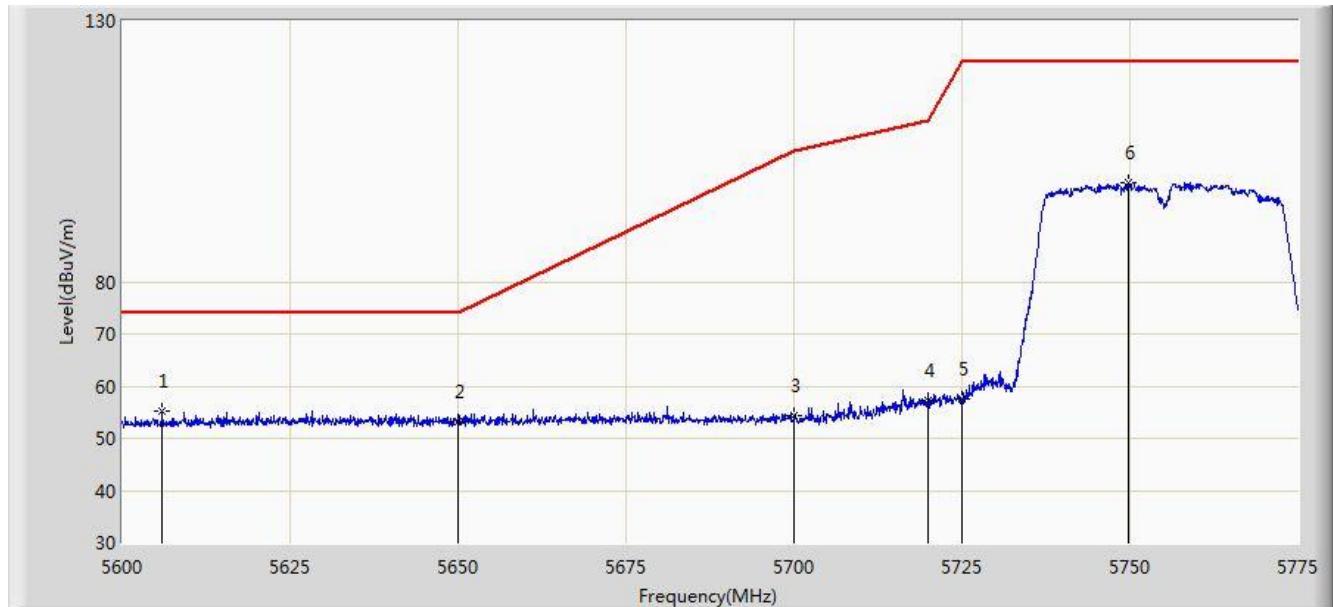


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5639.812	54.834	50.197	-19.166	74.000	4.638	PK
2			5650.000	53.337	48.666	-20.663	74.000	4.671	PK
3			5700.000	55.531	50.653	-49.669	105.200	4.878	PK
4			5720.000	61.989	56.992	-48.811	110.800	4.997	PK
5			5725.000	63.671	58.642	-58.529	122.200	5.029	PK
6	*		5746.388	104.915	99.752	N/A	N/A	5.163	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:16
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	

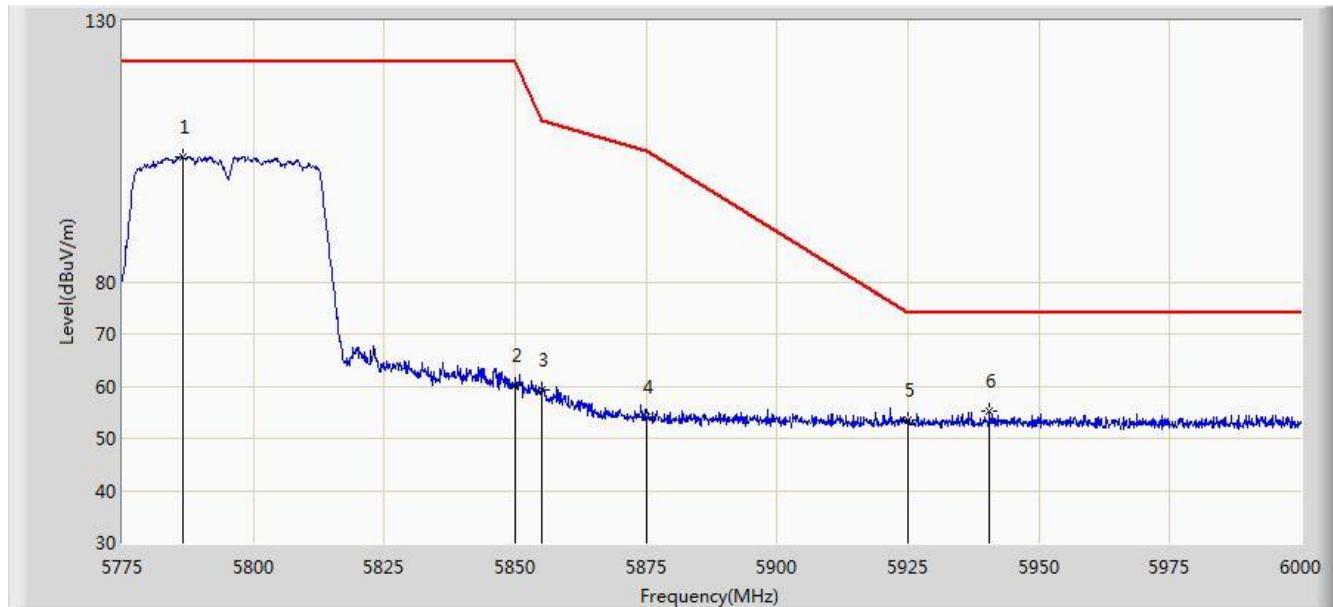


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1		*	5605.950	55.343	50.802	-18.657	74.000	4.542	PK
2			5650.000	53.295	48.624	-20.705	74.000	4.671	PK
3			5700.000	54.250	49.372	-50.950	105.200	4.878	PK
4			5720.000	57.330	52.333	-53.470	110.800	4.997	PK
5			5725.000	57.461	52.432	-64.739	122.200	5.029	PK
6			5749.712	99.026	93.844	N/A	N/A	5.182	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:18
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	

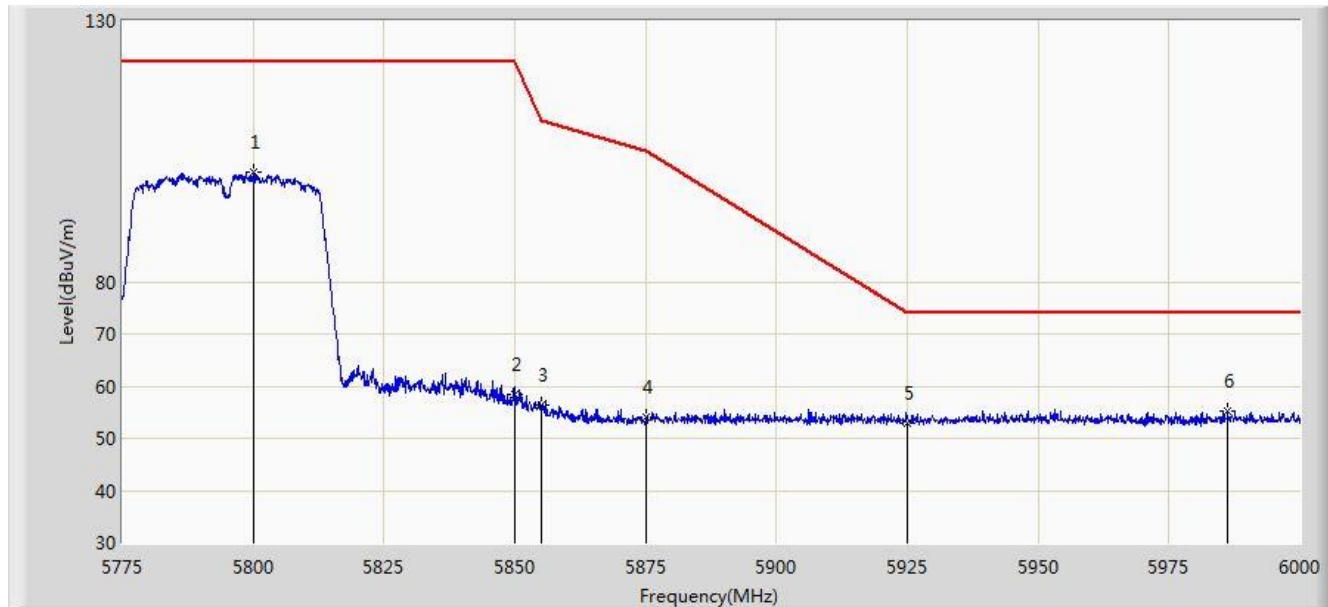


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*		5786.475	104.045	98.671	N/A	N/A	5.374	PK
2			5850.000	60.252	54.526	-61.948	122.200	5.726	PK
3			5855.000	59.283	53.537	-51.517	110.800	5.746	PK
4			5875.000	54.078	48.258	-51.122	105.200	5.820	PK
5			5925.000	53.556	47.590	-20.444	74.000	5.967	PK
6			5940.600	55.272	49.267	-18.728	74.000	6.005	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:18
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	

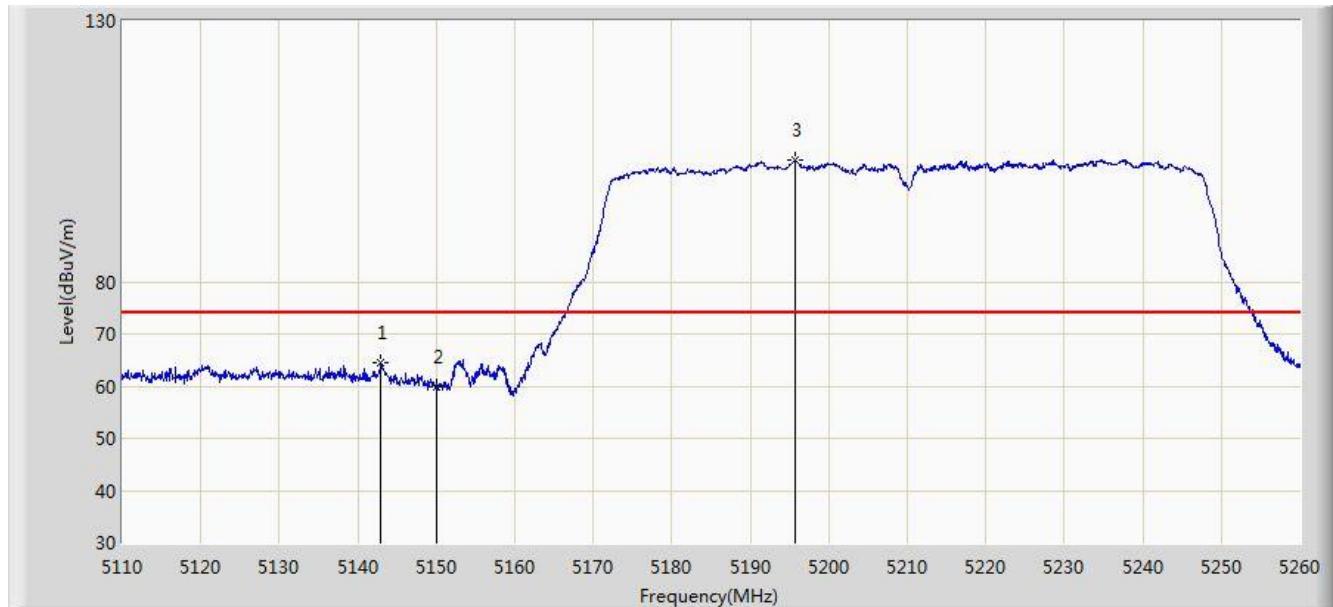


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5800.200	100.932	95.486	N/A	N/A	5.446	PK
2			5850.000	58.511	52.785	-63.689	122.200	5.726	PK
3			5855.000	56.282	50.536	-54.518	110.800	5.746	PK
4			5875.000	53.987	48.167	-51.213	105.200	5.820	PK
5			5925.000	52.985	47.019	-21.015	74.000	5.967	PK
6	*		5986.163	55.304	49.216	-18.696	74.000	6.087	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:20
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	

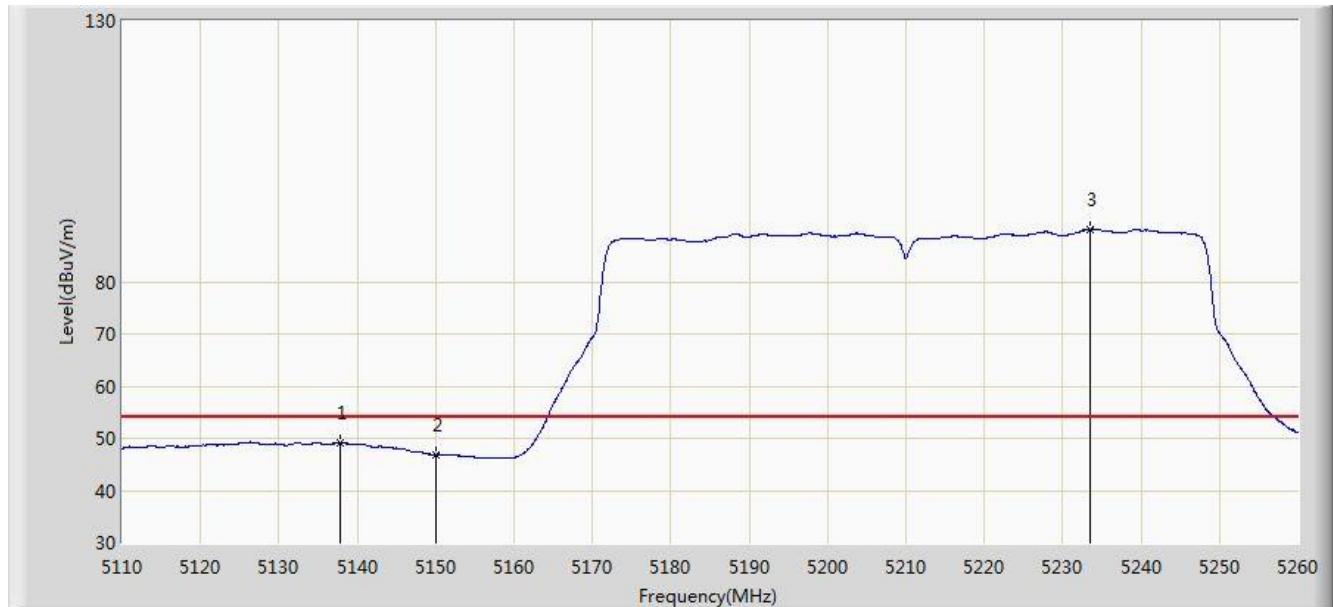


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.925	64.577	60.401	-9.423	74.000	4.176	PK
2			5150.000	59.868	55.699	-14.132	74.000	4.170	PK
3	*	*	5195.800	103.301	99.288	N/A	N/A	4.013	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:21
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	

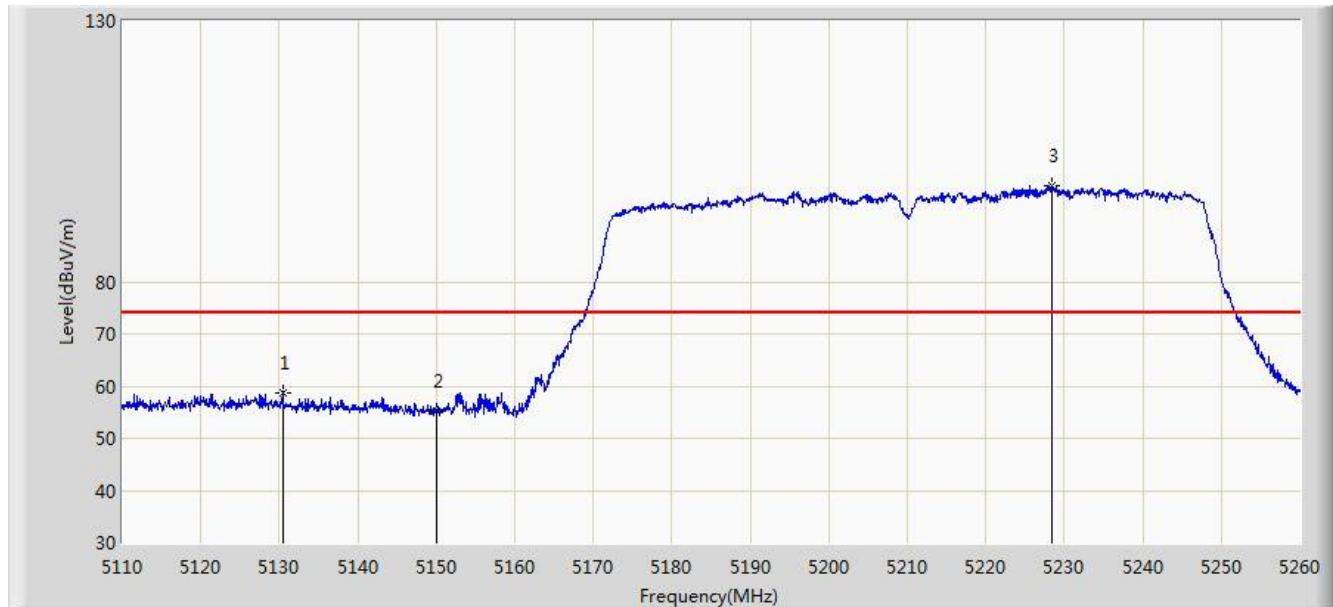


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5137.900	49.114	44.939	-4.886	54.000	4.176	AV
2			5150.000	46.888	42.719	-7.112	54.000	4.170	AV
3		*	5233.525	90.112	86.213	N/A	N/A	3.898	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:21
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	

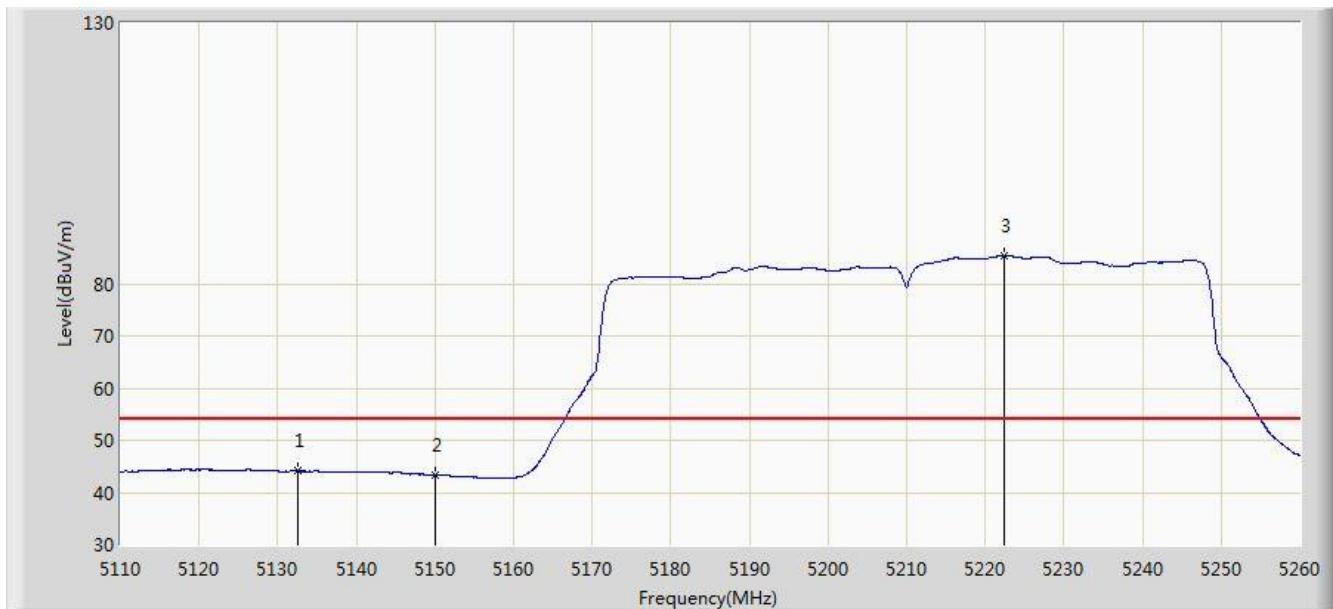


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5130.475	58.840	54.665	-15.160	74.000	4.174	PK
2			5150.000	55.300	51.131	-18.700	74.000	4.170	PK
3	*		5228.500	98.275	94.361	N/A	N/A	3.913	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:22
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	

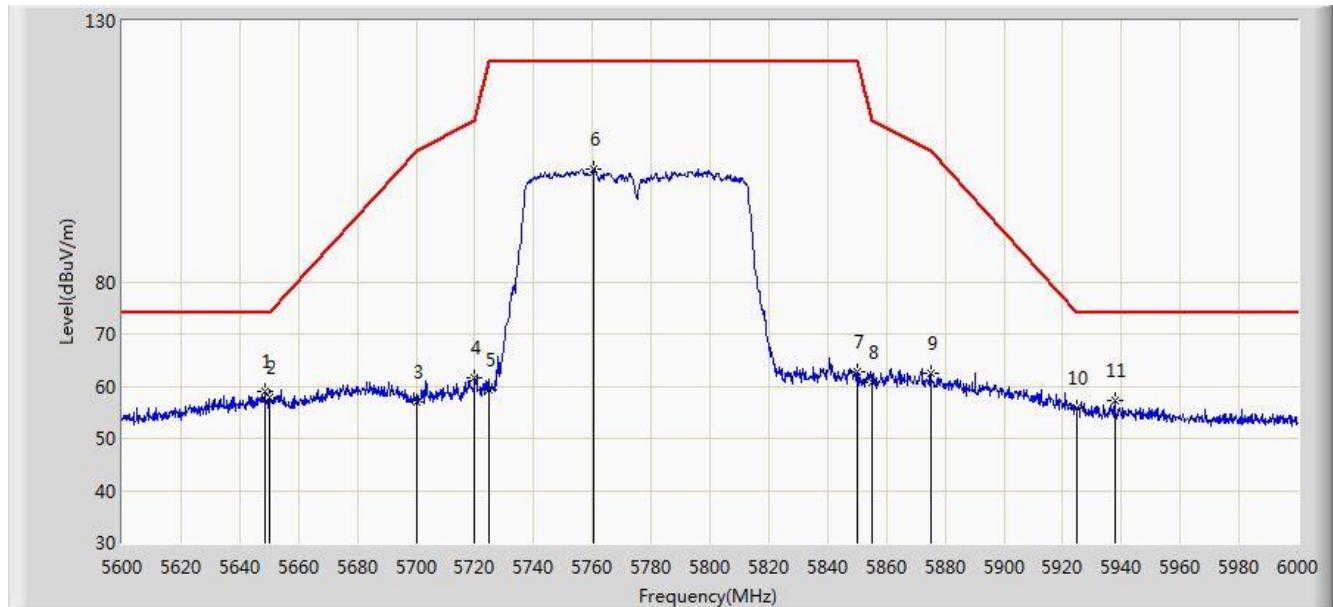


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5132.575	44.187	40.012	-9.813	54.000	4.175	AV
2			5150.000	43.190	39.021	-10.810	54.000	4.170	AV
3		*	5222.350	85.461	81.529	N/A	N/A	3.932	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:30
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 802.11ac-VHT80 at Channel 5775MHz Ant 0	

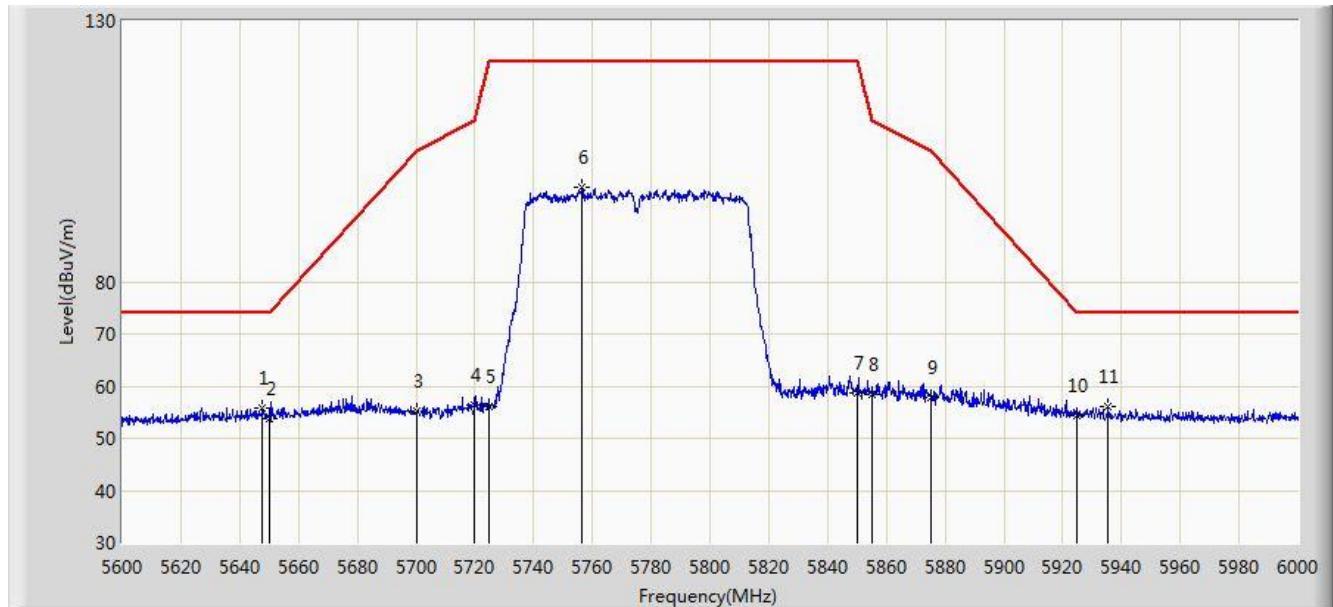


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5648.400	58.988	54.322	-15.012	74.000	4.666	PK
2			5650.000	57.826	53.155	-16.174	74.000	4.671	PK
3			5700.000	56.970	52.092	-48.230	105.200	4.878	PK
4			5720.000	61.564	56.567	-49.236	110.800	4.997	PK
5			5725.000	59.208	54.179	-62.992	122.200	5.029	PK
6			5760.600	101.693	96.450	N/A	N/A	5.244	PK
7			5850.000	62.736	57.010	-59.464	122.200	5.726	PK
8			5855.000	60.673	54.927	-50.127	110.800	5.746	PK
9			5875.000	62.383	56.563	-42.817	105.200	5.820	PK
10			5925.000	55.780	49.814	-18.220	74.000	5.967	PK
11			5937.600	57.241	51.243	-16.759	74.000	5.998	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:31
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 802.11ac-VHT80 at Channel 5775MHz Ant 0	

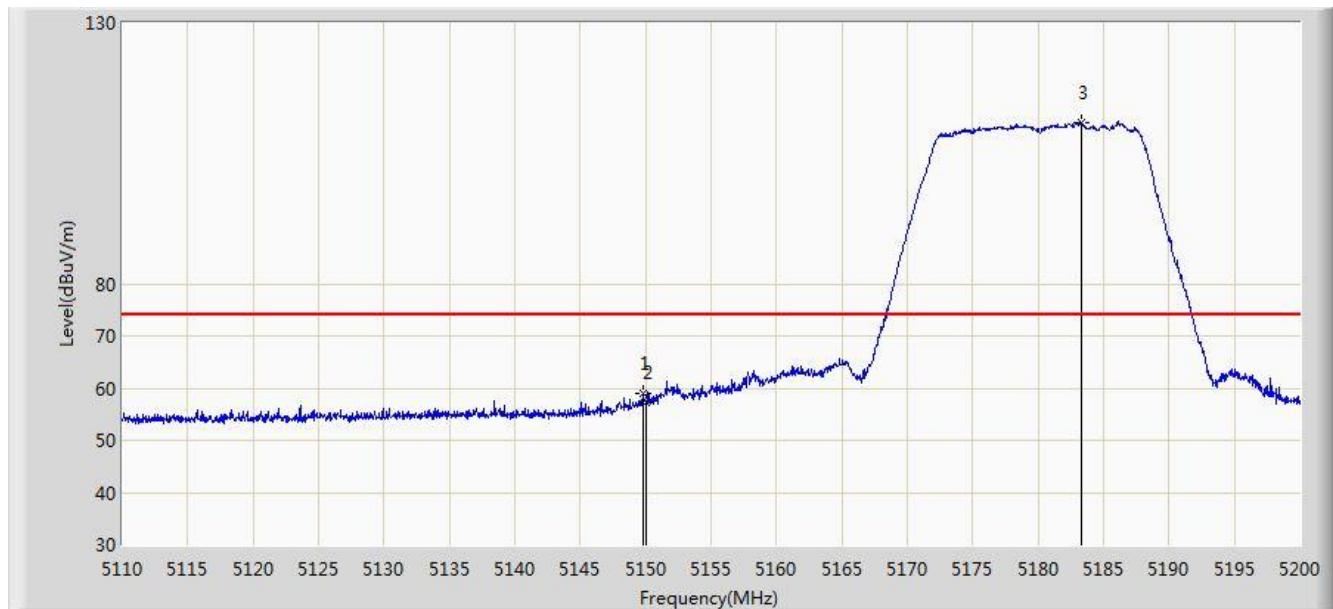


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5647.600	55.881	51.218	-18.119	74.000	4.663	PK
2			5650.000	53.912	49.241	-20.088	74.000	4.671	PK
3			5700.000	55.133	50.255	-50.067	105.200	4.878	PK
4			5720.000	56.448	51.451	-54.352	110.800	4.997	PK
5			5725.000	56.124	51.095	-66.076	122.200	5.029	PK
6			5756.400	97.983	92.763	N/A	N/A	5.219	PK
7			5850.000	58.819	53.093	-63.381	122.200	5.726	PK
8			5855.000	58.367	52.621	-52.433	110.800	5.746	PK
9			5875.000	57.836	52.016	-47.364	105.200	5.820	PK
10			5925.000	54.371	48.405	-19.629	74.000	5.967	PK
11	*		5935.400	56.013	50.021	-17.987	74.000	5.993	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:33
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	

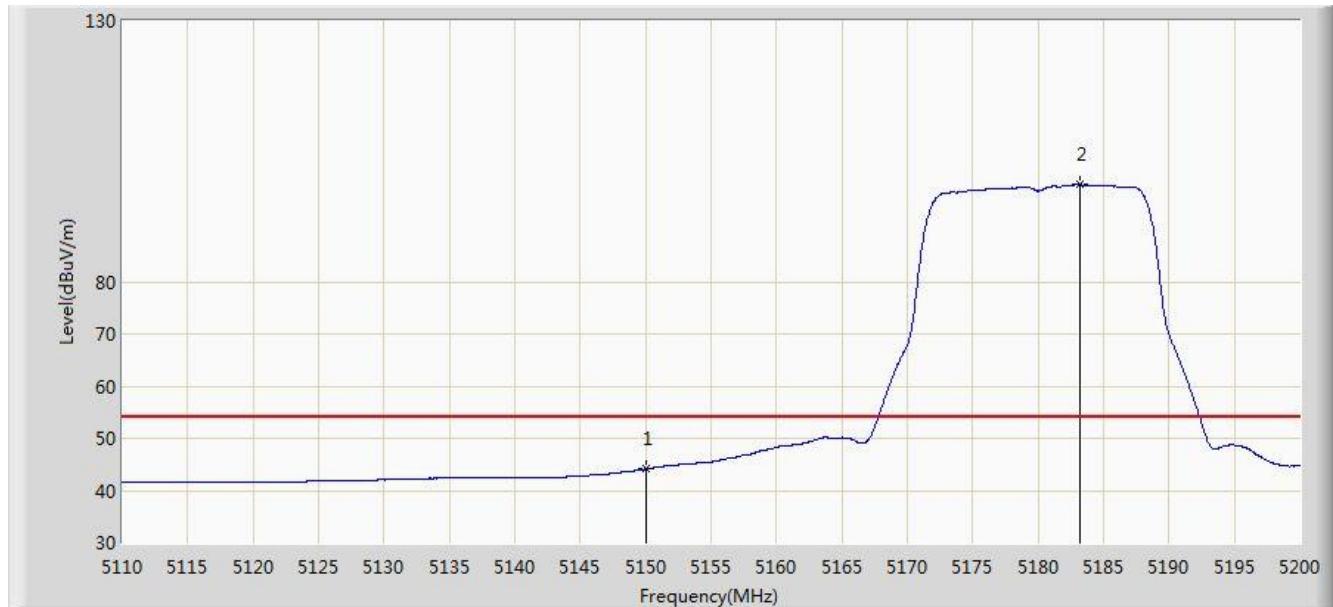


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.780	59.012	54.842	-14.988	74.000	4.169	PK
2			5150.000	57.295	53.126	-16.705	74.000	4.170	PK
3		*	5183.260	110.902	106.845	N/A	N/A	4.057	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:35
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	

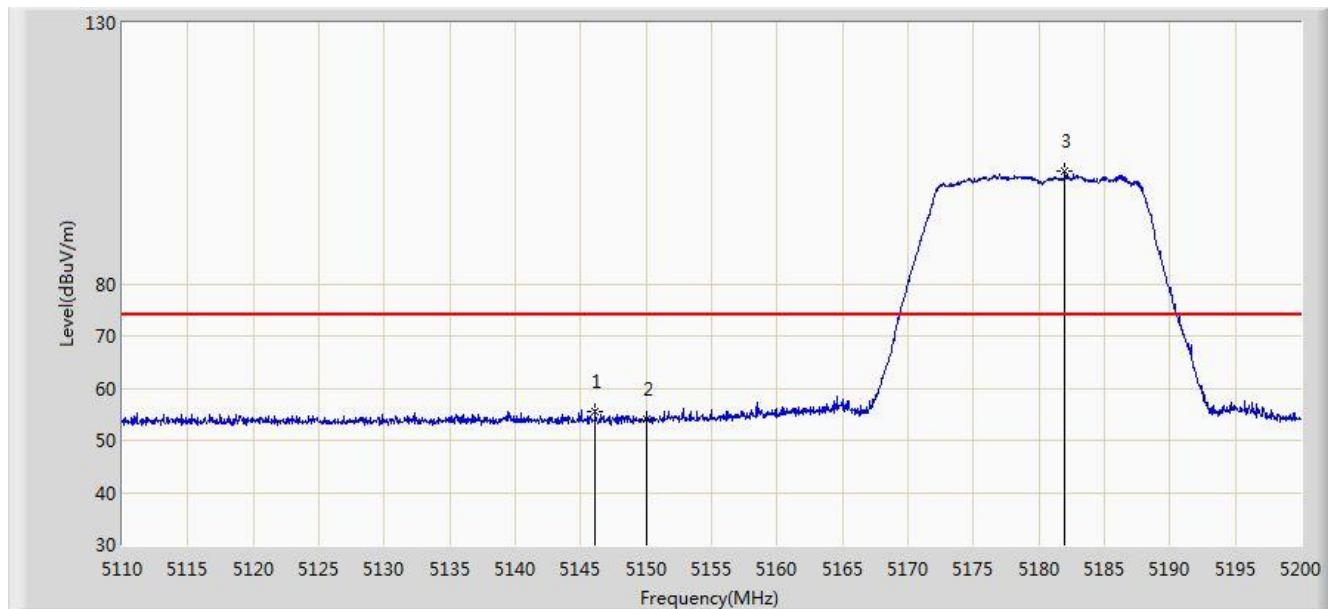


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	44.093	39.924	-9.907	54.000	4.170	AV
2		*	5183.170	98.580	94.522	N/A	N/A	4.057	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:35
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	

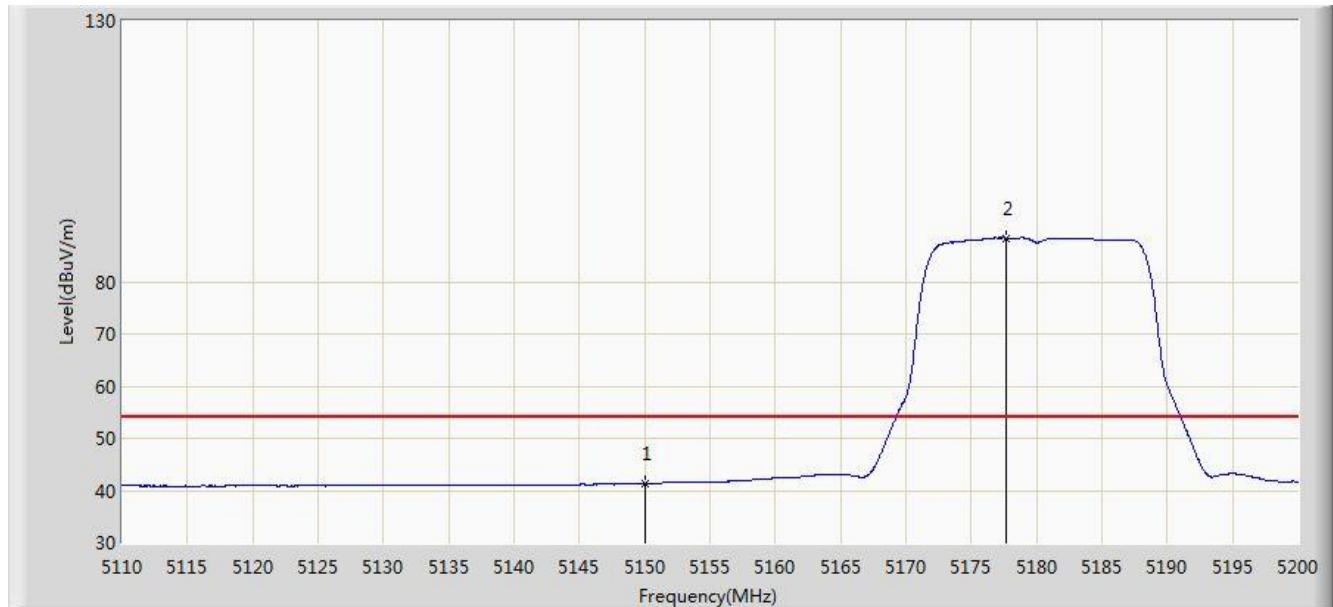


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.090	55.649	51.473	-18.351	74.000	4.175	PK
2			5150.000	53.987	49.818	-20.013	74.000	4.170	PK
3	*	*	5182.000	101.726	97.664	N/A	N/A	4.062	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:37
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	

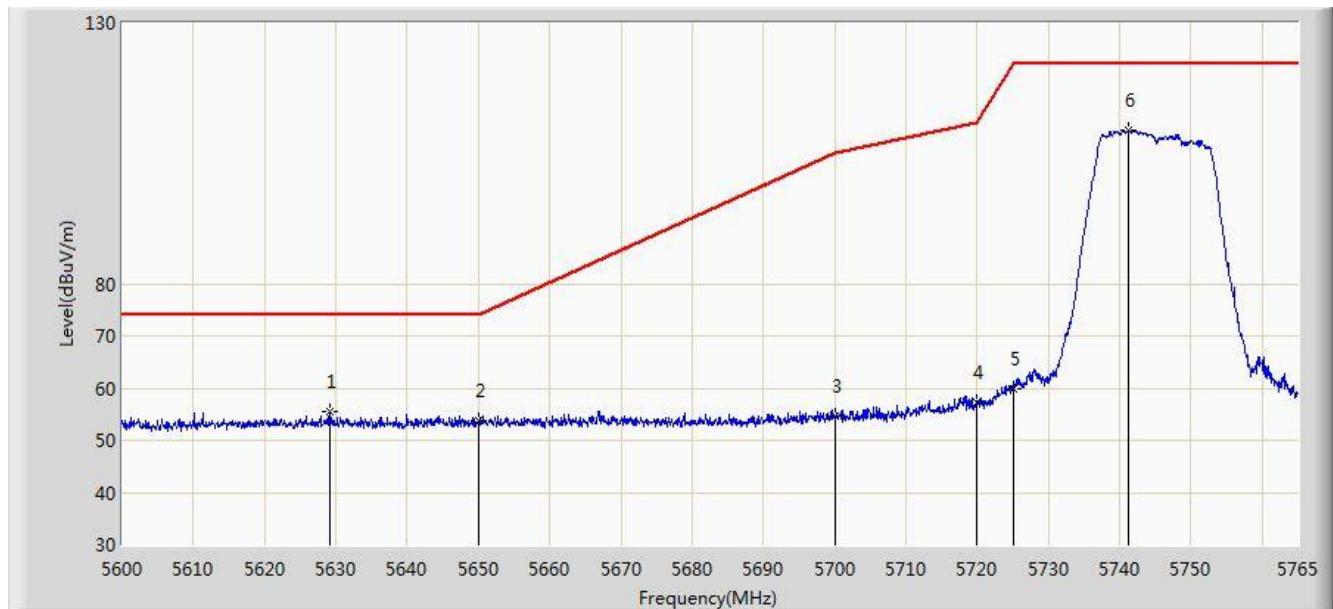


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	41.304	37.135	-12.696	54.000	4.170	AV
2		*	5177.680	88.351	84.274	N/A	N/A	4.077	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:47
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 5745MHz Ant 1	

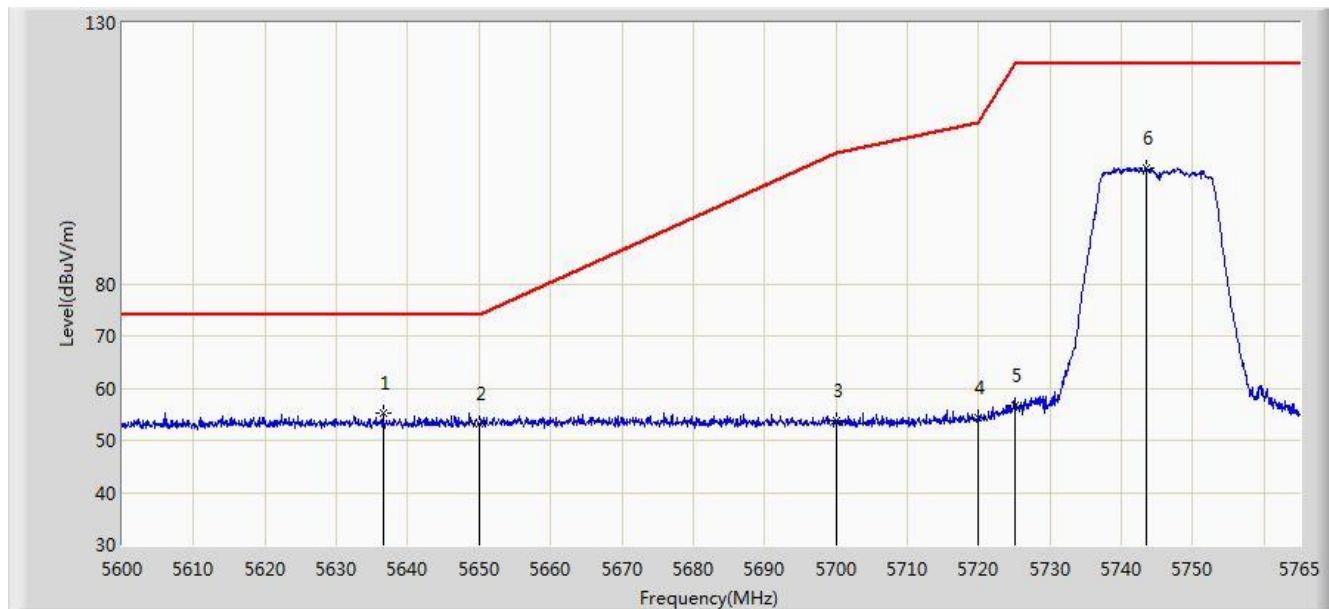


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5629.123	55.510	50.903	-18.490	74.000	4.607	PK
2			5650.000	53.689	49.018	-20.311	74.000	4.671	PK
3			5700.000	54.600	49.722	-50.600	105.200	4.878	PK
4			5720.000	57.347	52.350	-53.453	110.800	4.997	PK
5			5725.000	59.730	54.701	-62.470	122.200	5.029	PK
6	*		5741.322	109.458	104.325	N/A	N/A	5.133	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:47
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	

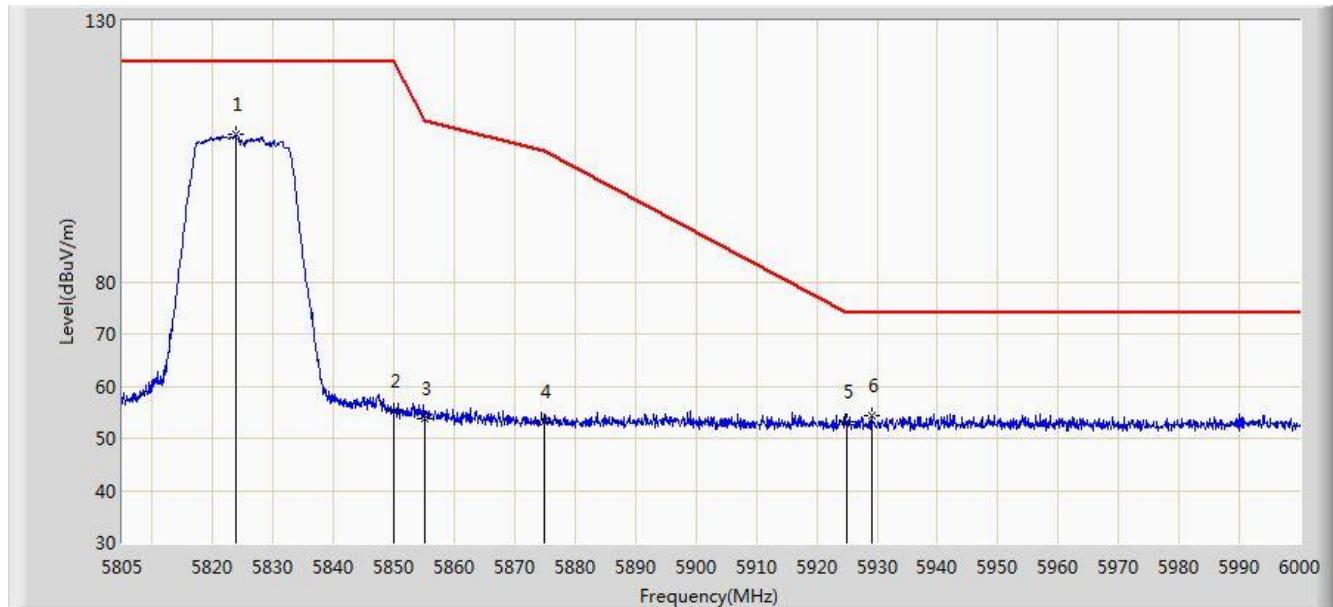


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5636.547	55.166	50.538	-18.834	74.000	4.628	PK
2			5650.000	53.216	48.545	-20.784	74.000	4.671	PK
3			5700.000	53.761	48.883	-51.439	105.200	4.878	PK
4			5720.000	54.335	49.338	-56.465	110.800	4.997	PK
5			5725.000	56.767	51.738	-65.433	122.200	5.029	PK
6			5743.550	102.208	97.061	N/A	N/A	5.147	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:48
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	

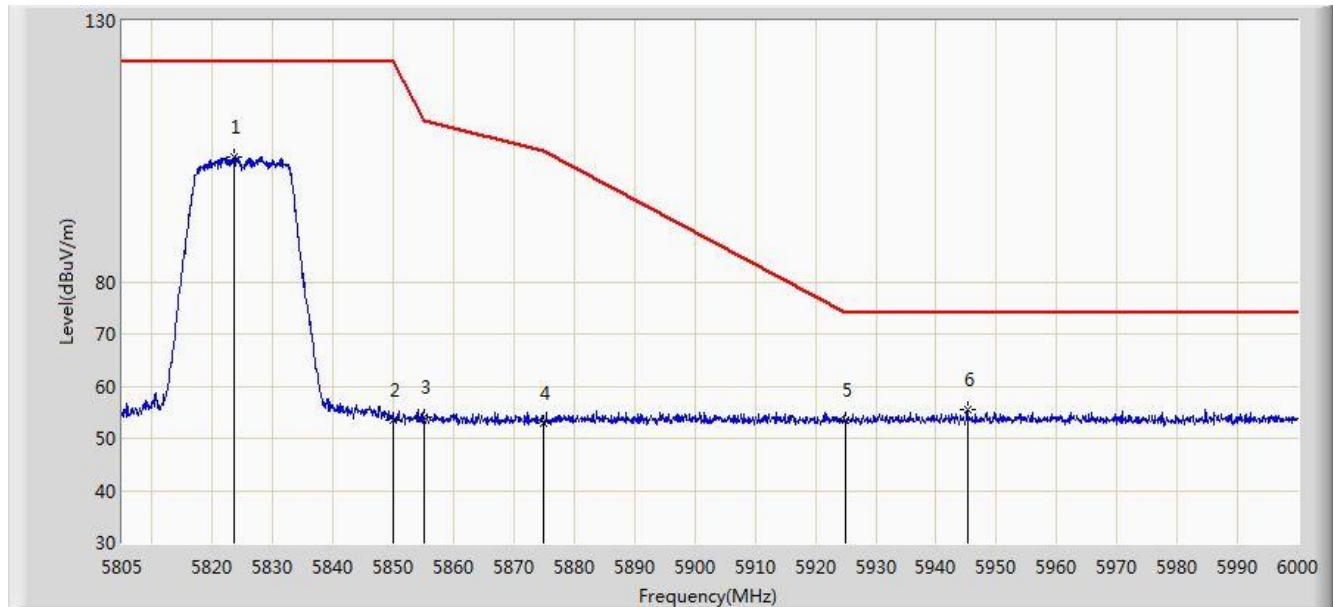


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5823.817	108.237	102.656	N/A	N/A	5.581	PK
2			5850.000	55.091	49.365	-67.109	122.200	5.726	PK
3			5855.000	53.844	48.098	-56.956	110.800	5.746	PK
4			5875.000	53.087	47.267	-52.113	105.200	5.820	PK
5			5925.000	53.156	47.190	-20.844	74.000	5.967	PK
6			5929.118	54.454	48.477	-19.546	74.000	5.977	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:49
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	

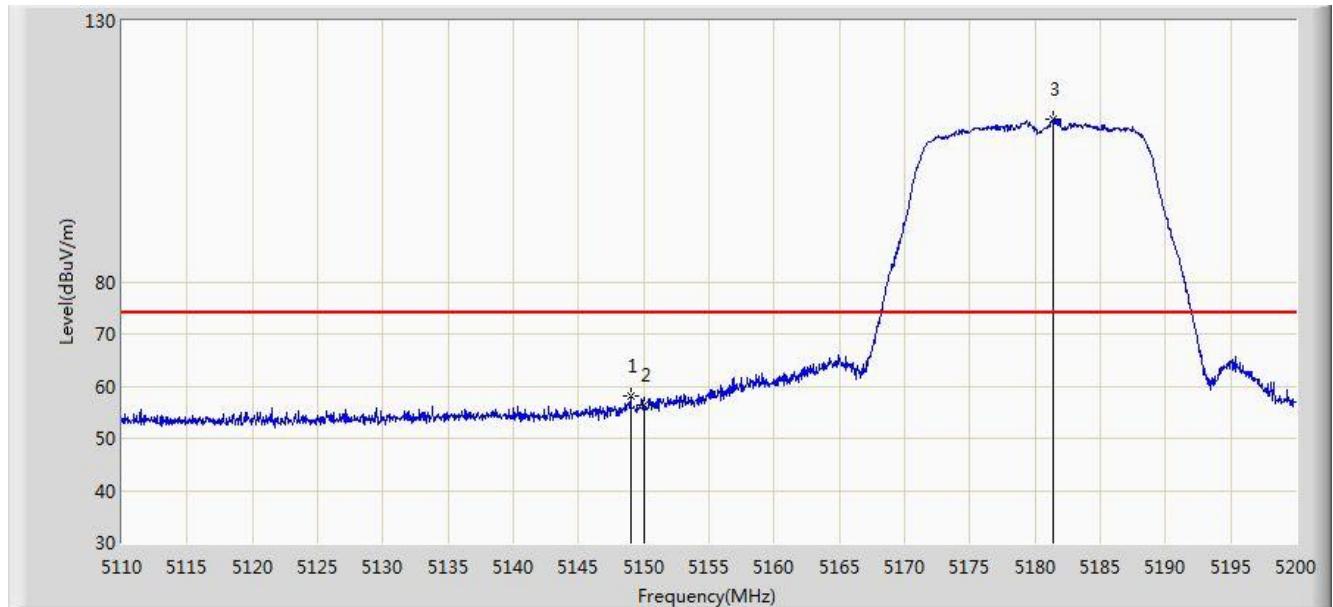


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5823.525	103.889	98.310	N/A	N/A	5.580	PK
2			5850.000	53.621	47.895	-68.579	122.200	5.726	PK
3			5855.000	53.933	48.187	-56.867	110.800	5.746	PK
4			5875.000	52.854	47.034	-52.346	105.200	5.820	PK
5			5925.000	53.410	47.444	-20.590	74.000	5.967	PK
6			5945.205	55.529	49.513	-18.471	74.000	6.016	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:50
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	

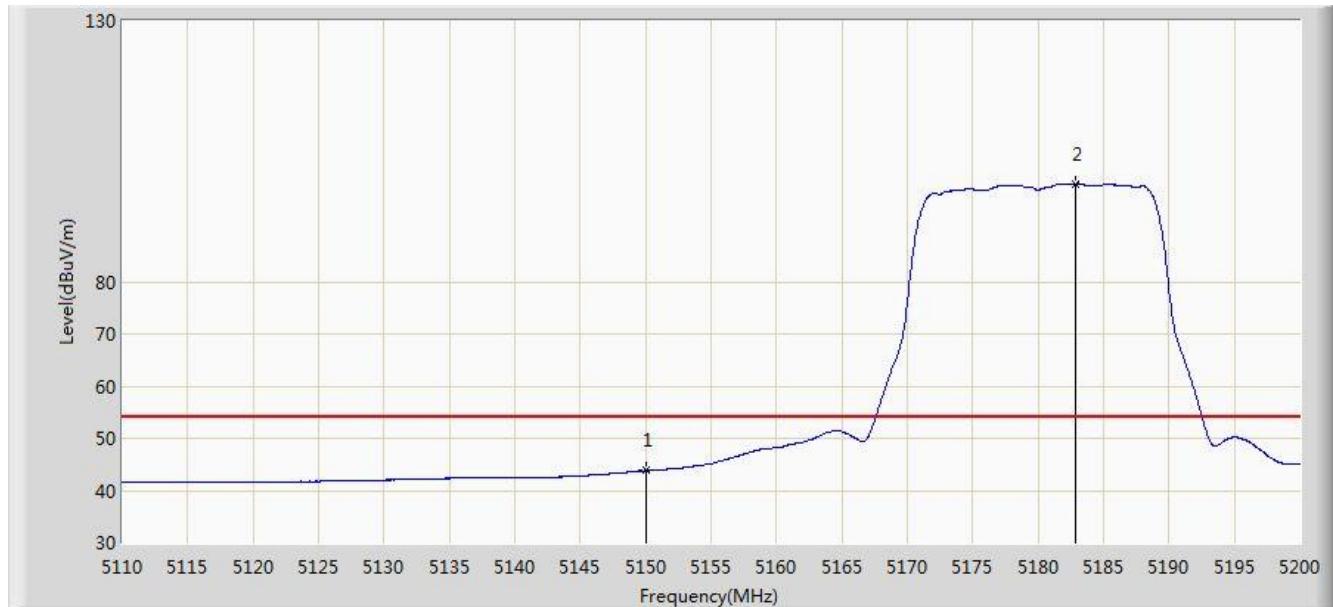


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.970	58.150	53.977	-15.850	74.000	4.173	PK
2			5150.000	56.246	52.077	-17.754	74.000	4.170	PK
3	*		5181.370	111.298	107.234	N/A	N/A	4.064	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:51
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 1	

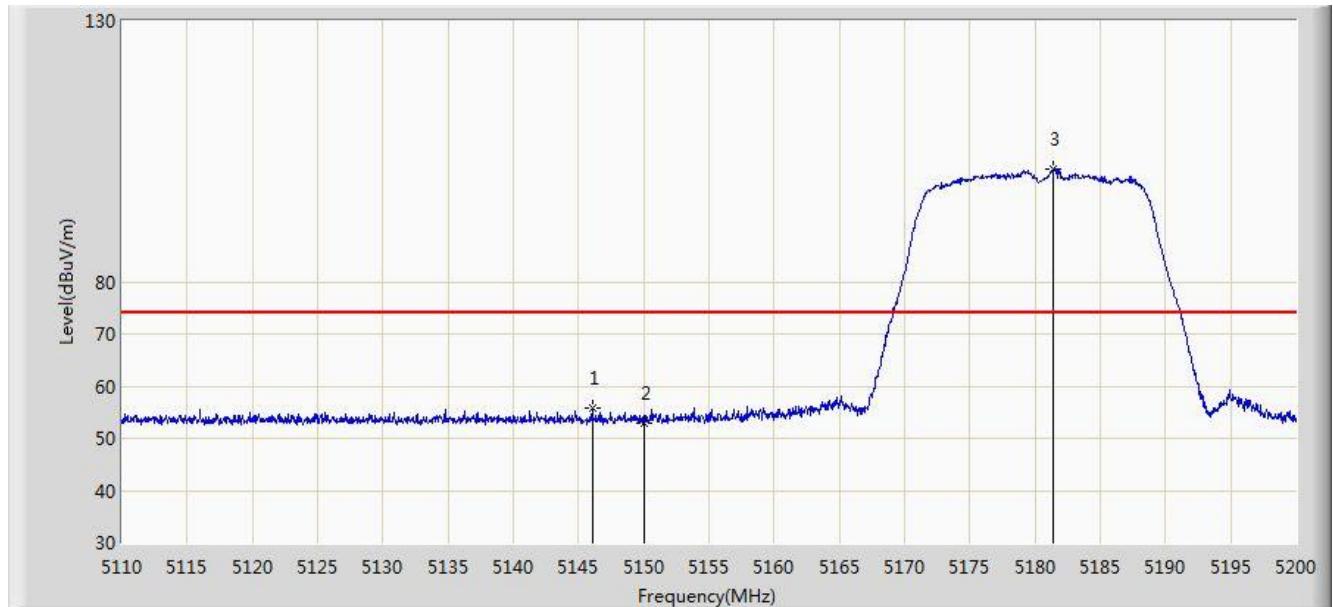


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	43.775	39.606	-10.225	54.000	4.170	AV
2	*	*	5182.855	98.801	94.742	N/A	N/A	4.059	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:52
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			5146.045	55.872	51.696	-18.128	74.000	4.175	PK
2			5150.000	53.008	48.839	-20.992	74.000	4.170	PK
3	*		5181.415	101.646	97.582	N/A	N/A	4.064	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 22:53
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	

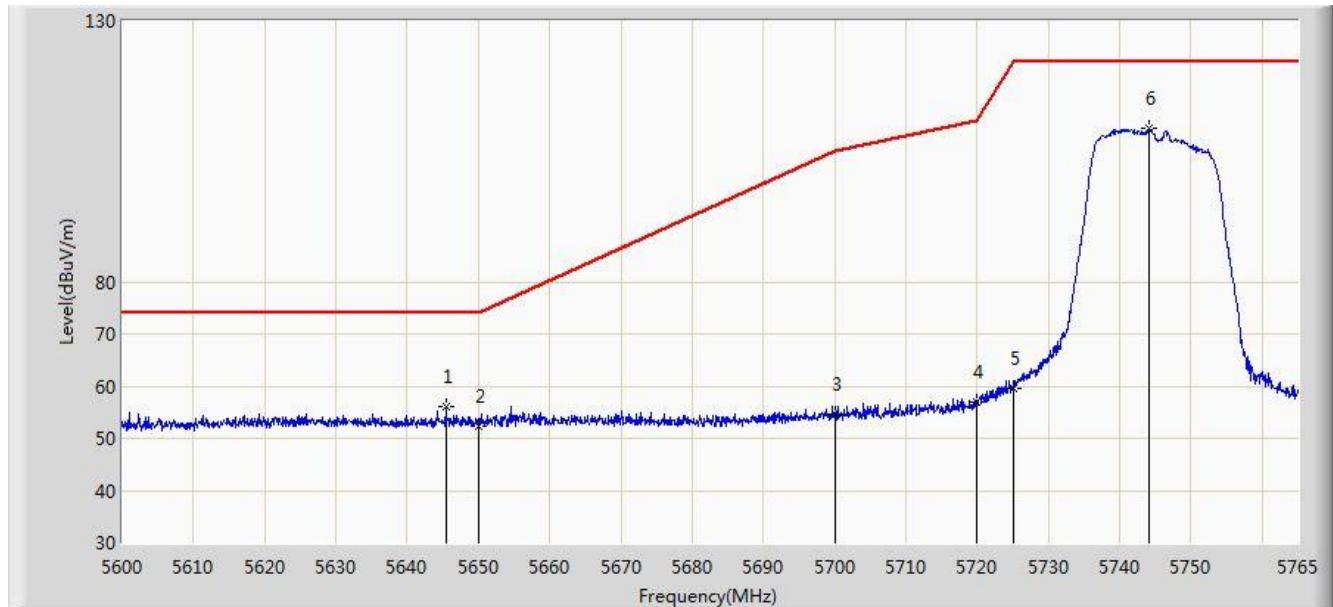


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	41.314	37.145	-12.686	54.000	4.170	AV
2		*	5177.545	89.230	85.152	N/A	N/A	4.077	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:02
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	

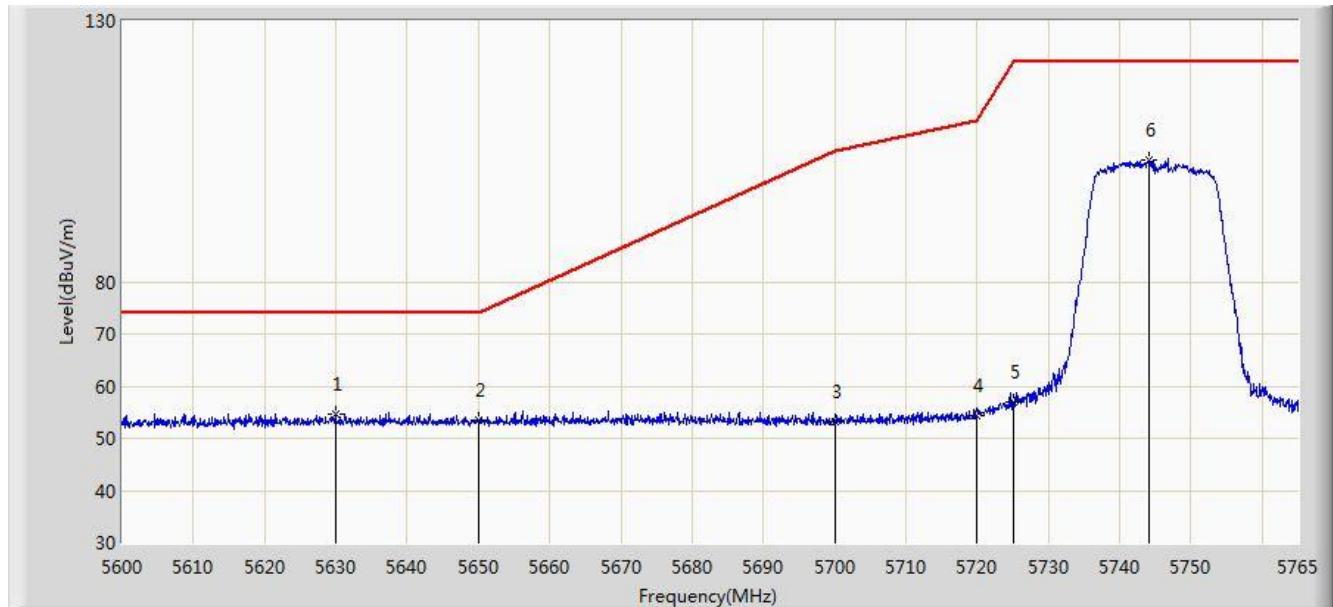


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5645.458	56.045	51.389	-17.955	74.000	4.657	PK
2			5650.000	52.340	47.669	-21.660	74.000	4.671	PK
3			5700.000	54.771	49.893	-50.429	105.200	4.878	PK
4			5720.000	56.859	51.862	-53.941	110.800	4.997	PK
5			5725.000	59.464	54.435	-62.736	122.200	5.029	PK
6	*		5744.127	109.378	104.228	N/A	N/A	5.151	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:03
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	

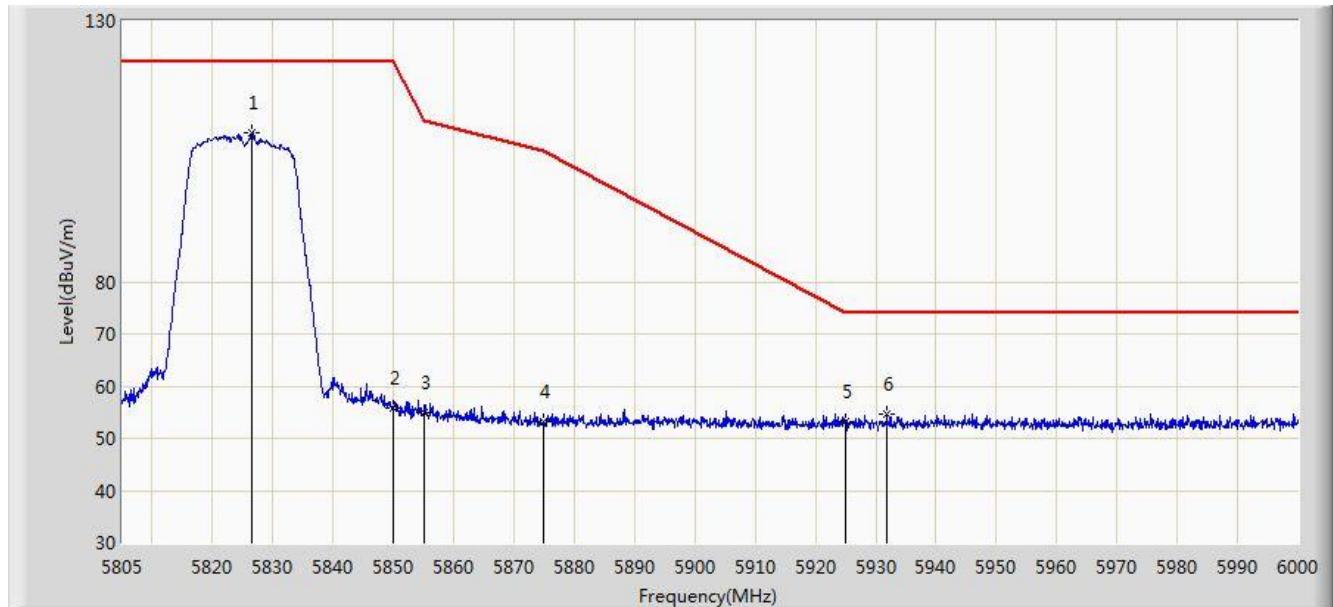


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5629.947	54.719	50.110	-19.281	74.000	4.609	PK
2			5650.000	53.522	48.851	-20.478	74.000	4.671	PK
3			5700.000	53.282	48.404	-51.918	105.200	4.878	PK
4			5720.000	54.394	49.397	-56.406	110.800	4.997	PK
5			5725.000	56.884	51.855	-65.316	122.200	5.029	PK
6	*		5744.210	103.447	98.297	N/A	N/A	5.151	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:04
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	

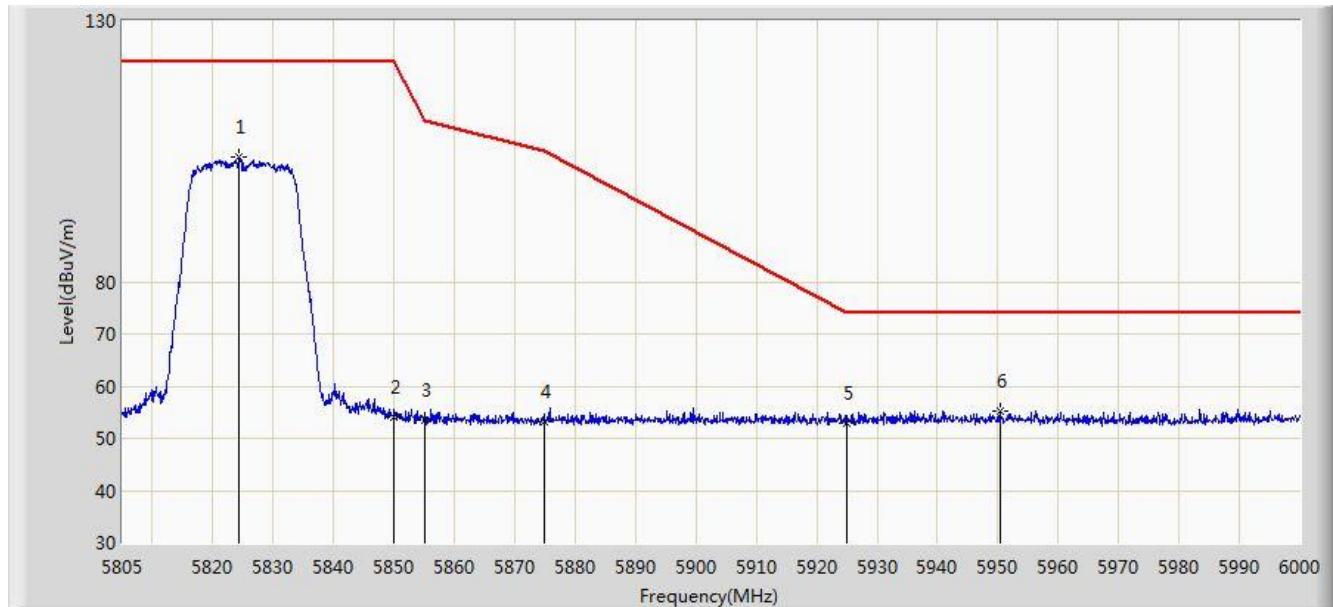


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5826.450	108.572	102.976	N/A	N/A	5.596	PK
2			5850.000	55.900	50.174	-66.300	122.200	5.726	PK
3			5855.000	54.923	49.177	-55.877	110.800	5.746	PK
4			5875.000	53.117	47.297	-52.083	105.200	5.820	PK
5			5925.000	53.287	47.321	-20.713	74.000	5.967	PK
6			5931.848	54.687	48.703	-19.313	74.000	5.983	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:05
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	

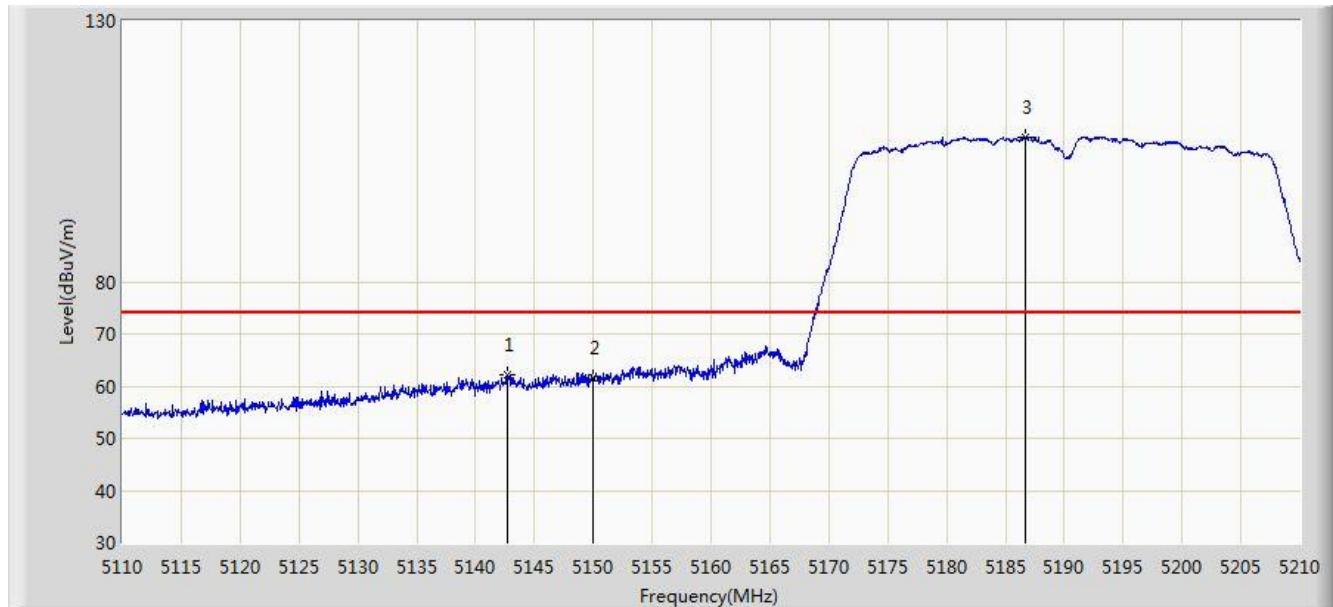


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*		5824.208	103.822	98.239	N/A	N/A	5.584	PK
2			5850.000	54.201	48.475	-67.999	122.200	5.726	PK
3			5855.000	53.433	47.687	-57.367	110.800	5.746	PK
4			5875.000	53.331	47.511	-51.869	105.200	5.820	PK
5			5925.000	53.019	47.053	-20.981	74.000	5.967	PK
6			5950.373	55.332	49.305	-18.668	74.000	6.027	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:06
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	

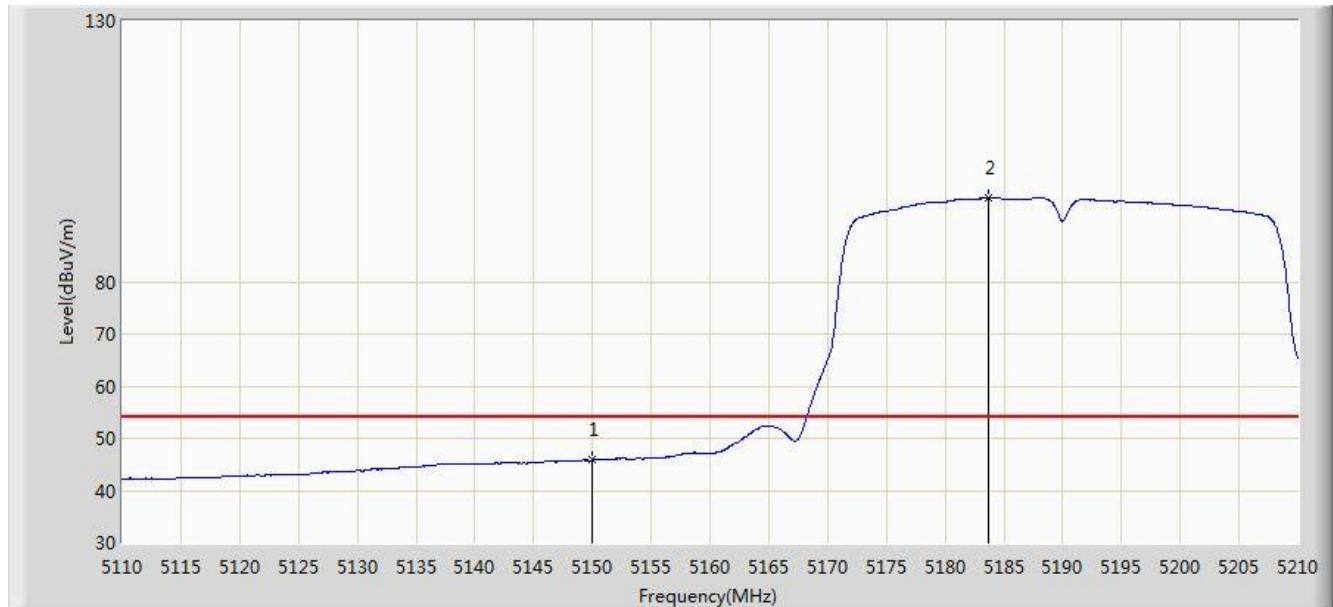


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.700	62.234	58.058	-11.766	74.000	4.176	PK
2			5150.000	61.701	57.532	-12.299	74.000	4.170	PK
3		*	5186.750	107.699	103.654	N/A	N/A	4.045	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:07
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	

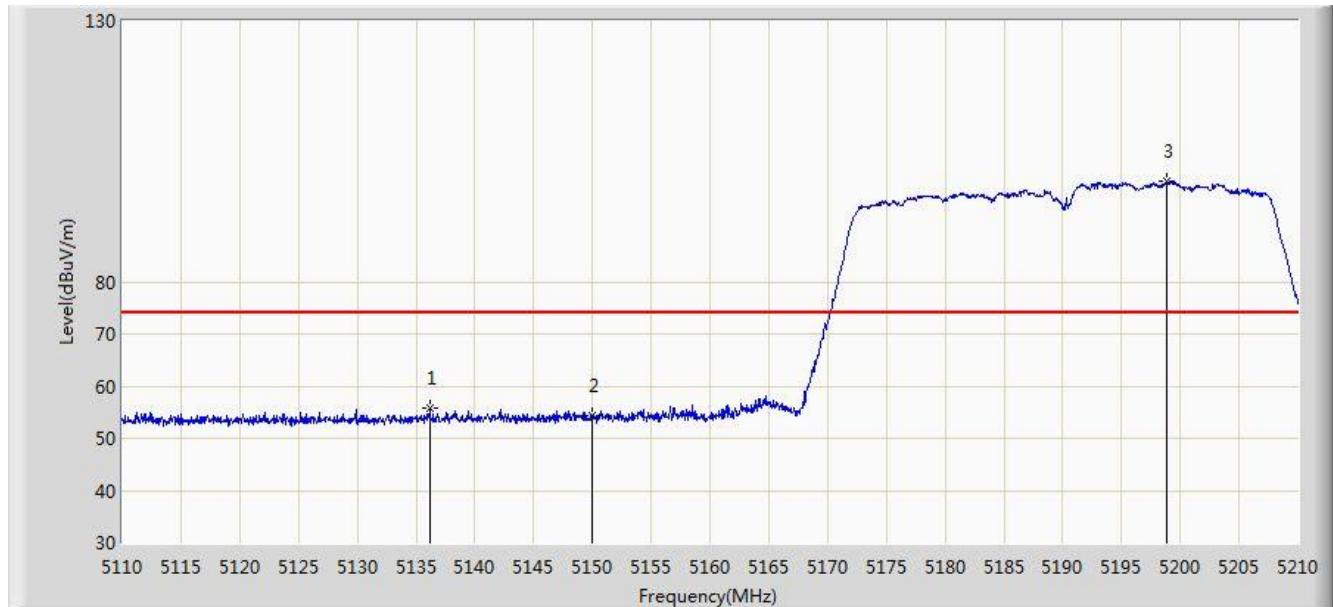


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	45.823	41.654	-8.177	54.000	4.170	AV
2	*	*	5183.700	95.999	91.943	N/A	N/A	4.056	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:07
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	

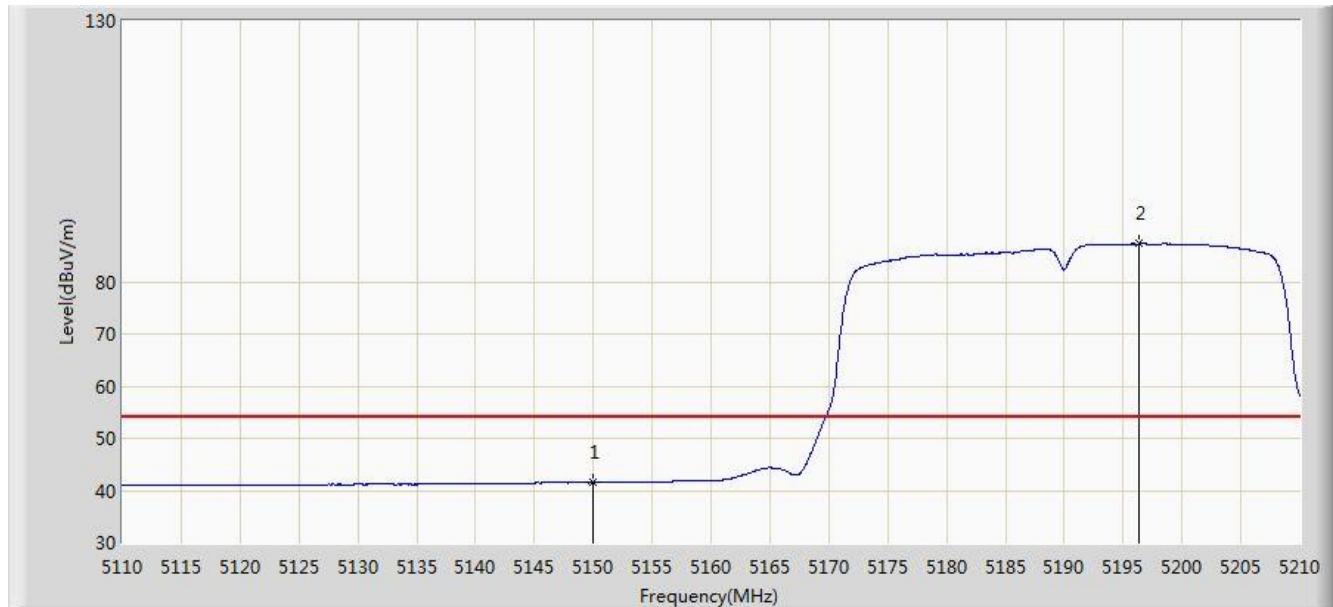


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5136.200	55.777	51.602	-18.223	74.000	4.175	PK
2			5150.000	54.272	50.103	-19.728	74.000	4.170	PK
3		*	5198.900	99.147	95.145	N/A	N/A	4.001	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:08
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 802.11n-HT40 at Channel 5190MHz Ant 1	

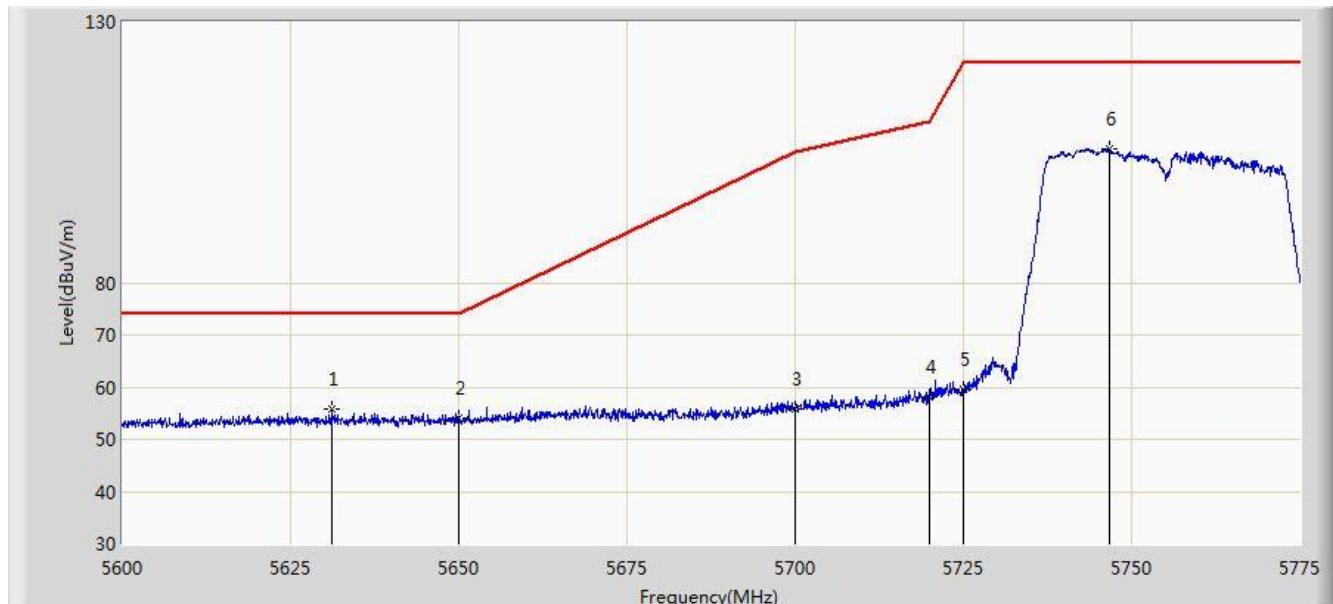


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	41.548	37.379	-12.452	54.000	4.170	AV
2	*		5196.400	87.252	83.241	N/A	N/A	4.010	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:21
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 802.11n-HT40 at Channel 5755MHz Ant 1	

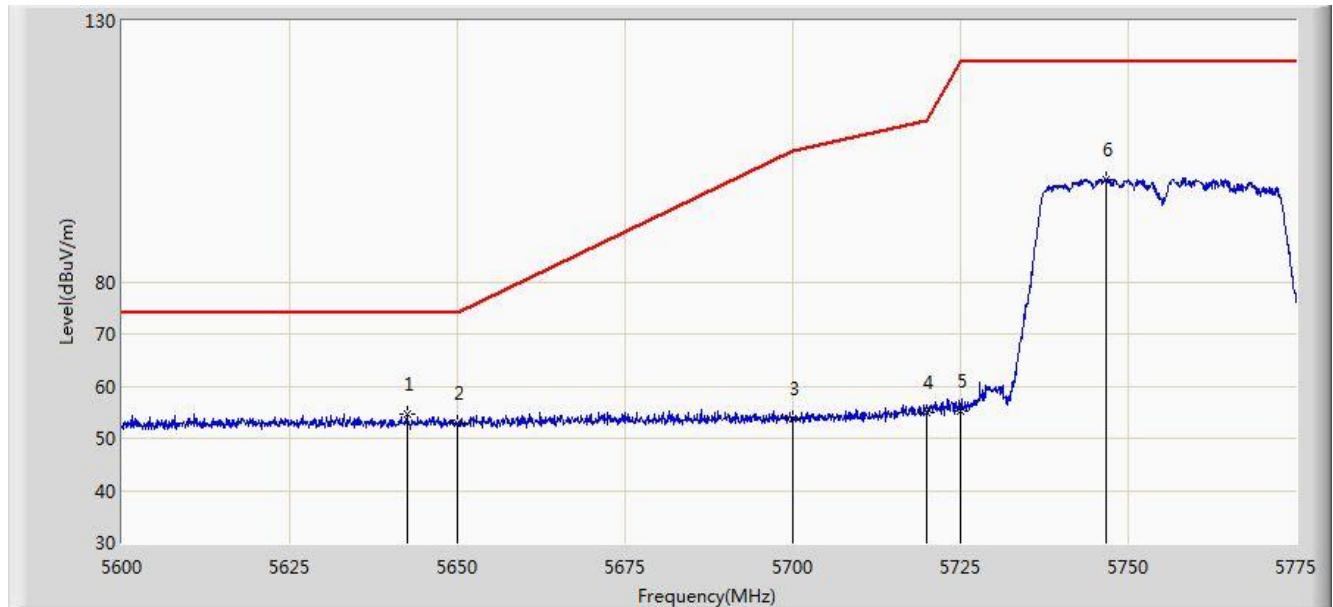


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5631.150	55.697	51.085	-18.303	74.000	4.612	PK
2			5650.000	53.993	49.322	-20.007	74.000	4.671	PK
3			5700.000	55.889	51.011	-49.311	105.200	4.878	PK
4			5720.000	58.220	53.223	-52.580	110.800	4.997	PK
5			5725.000	59.641	54.612	-62.559	122.200	5.029	PK
6	*		5746.650	105.656	100.492	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: 2016/09/12 - 23:22
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	

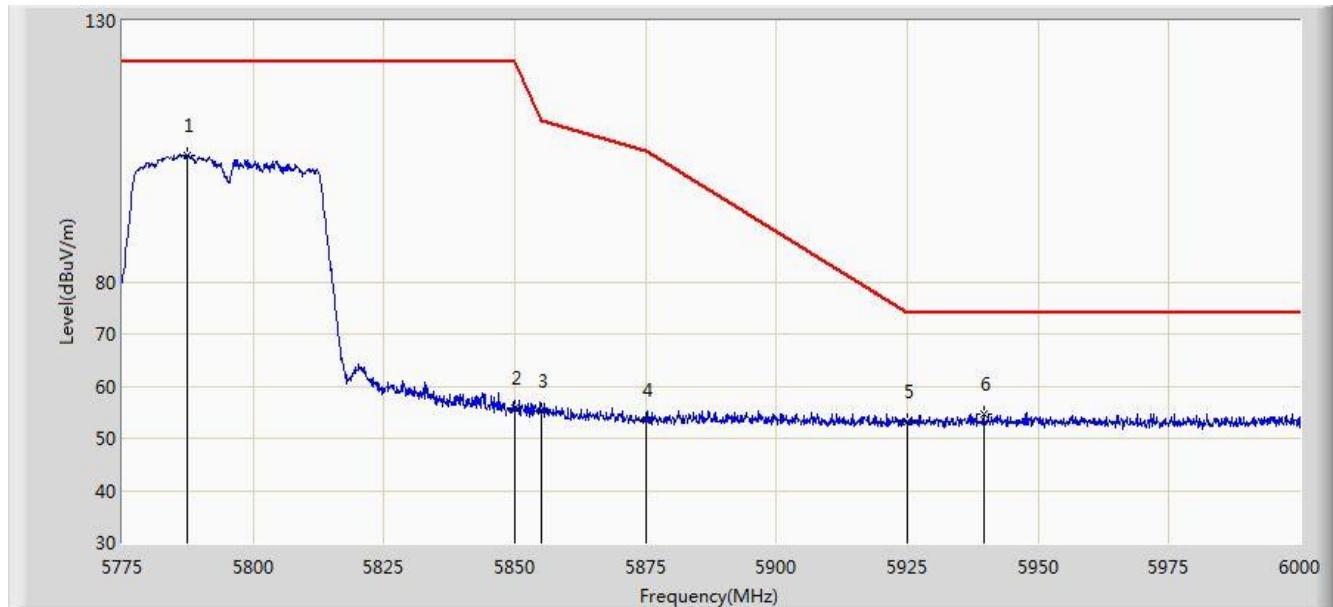


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5642.437	54.531	49.885	-19.469	74.000	4.646	PK
2			5650.000	52.799	48.128	-21.201	74.000	4.671	PK
3			5700.000	53.885	49.007	-51.315	105.200	4.878	PK
4			5720.000	54.984	49.987	-55.816	110.800	4.997	PK
5			5725.000	55.210	50.181	-66.990	122.200	5.029	PK
6			5746.650	99.634	94.470	N/A	N/A	5.165	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:23
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 5795MHz Ant 1	

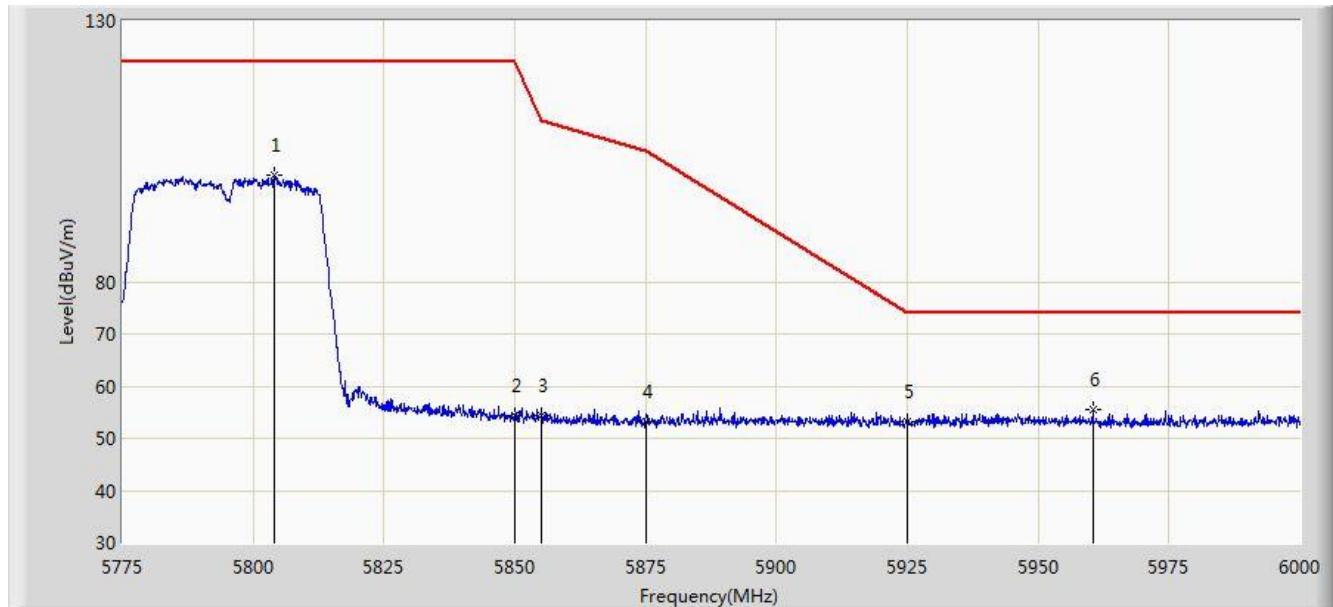


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1		*	5787.487	104.110	98.731	N/A	N/A	5.379	PK
2			5850.000	55.692	49.966	-66.508	122.200	5.726	PK
3			5855.000	55.351	49.605	-55.449	110.800	5.746	PK
4			5875.000	53.343	47.523	-51.857	105.200	5.820	PK
5			5925.000	53.081	47.115	-20.919	74.000	5.967	PK
6			5939.587	54.773	48.770	-19.227	74.000	6.003	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:23
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-HT40 at Channel 5795MHz Ant 1	

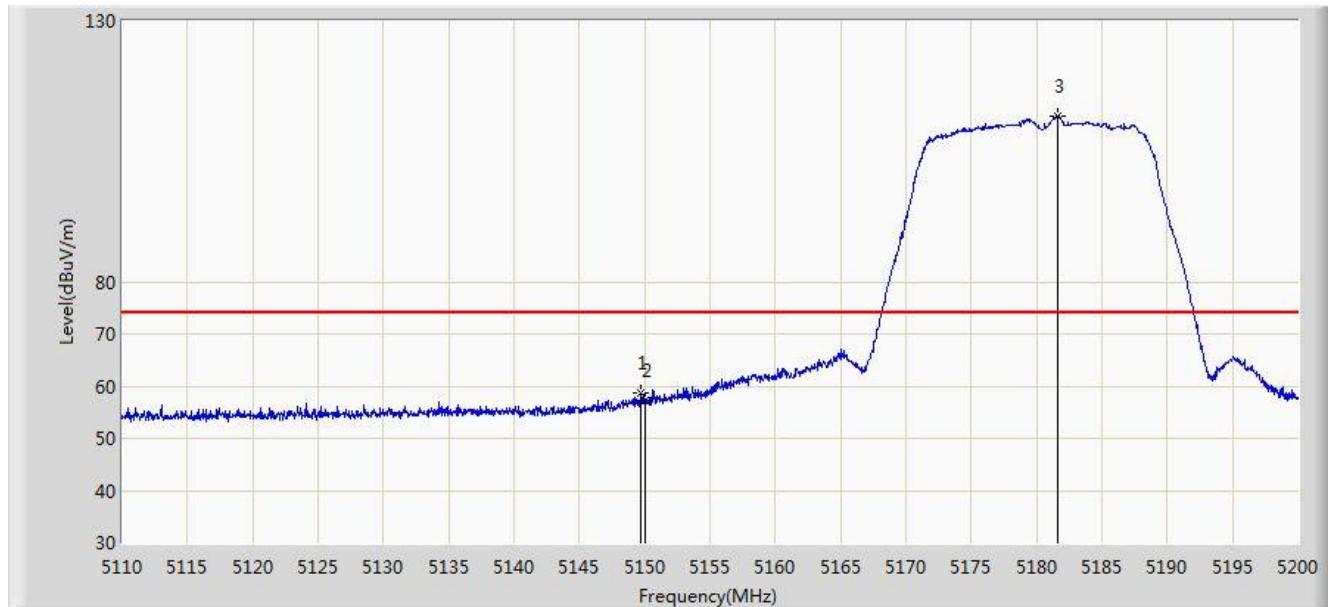


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5804.138	100.316	94.848	N/A	N/A	5.468	PK
2			5850.000	54.329	48.603	-67.871	122.200	5.726	PK
3			5855.000	54.453	48.707	-56.347	110.800	5.746	PK
4			5875.000	53.257	47.437	-51.943	105.200	5.820	PK
5			5925.000	53.147	47.181	-20.853	74.000	5.967	PK
6	*		5960.400	55.554	49.509	-18.446	74.000	6.044	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:24
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	

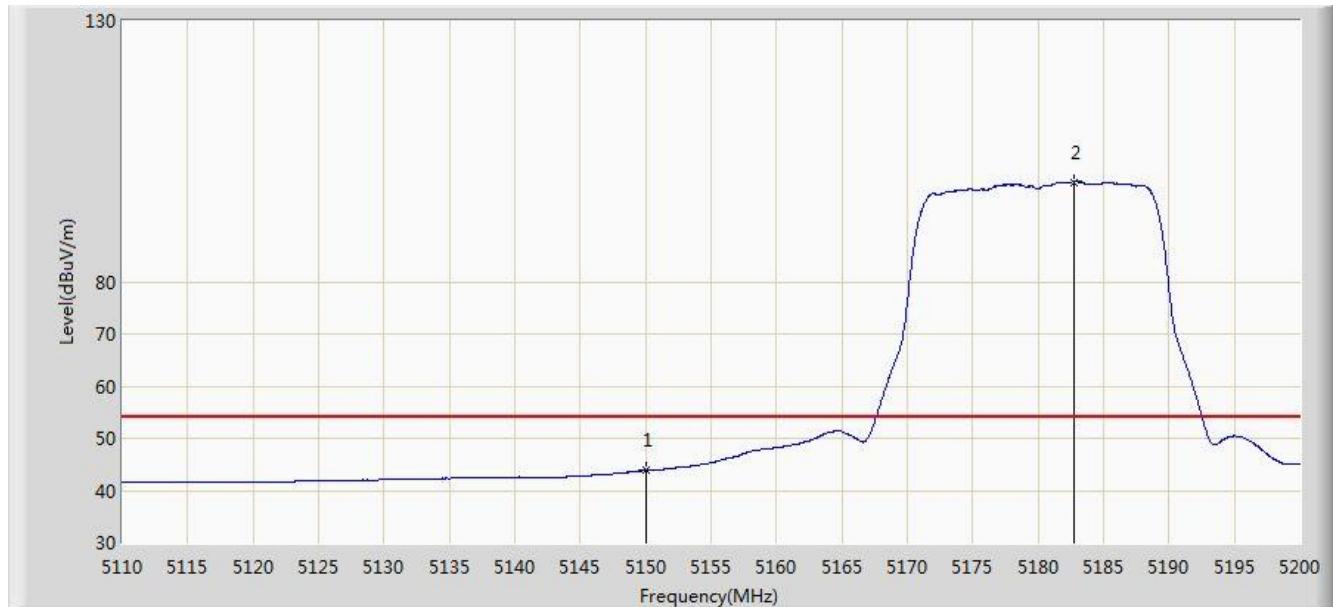


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.645	58.762	54.592	-15.238	74.000	4.170	PK
2			5150.000	57.383	53.214	-16.617	74.000	4.170	PK
3		*	5181.595	111.673	107.610	N/A	N/A	4.063	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:26
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 802.11ac-VHT20 at Channel 5180MHz Ant 1	

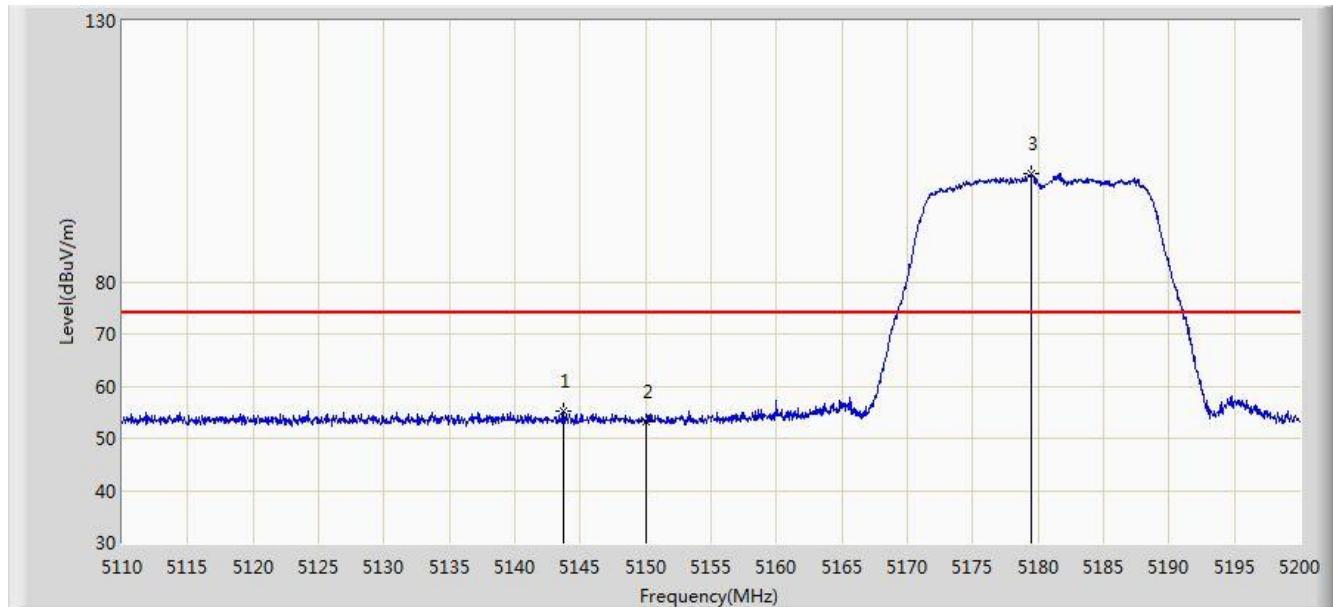


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	43.843	39.674	-10.157	54.000	4.170	AV
2	*	*	5182.720	99.122	95.063	N/A	N/A	4.060	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:26
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 802.11ac-VHT20 at Channel 5180MHz Ant 1	

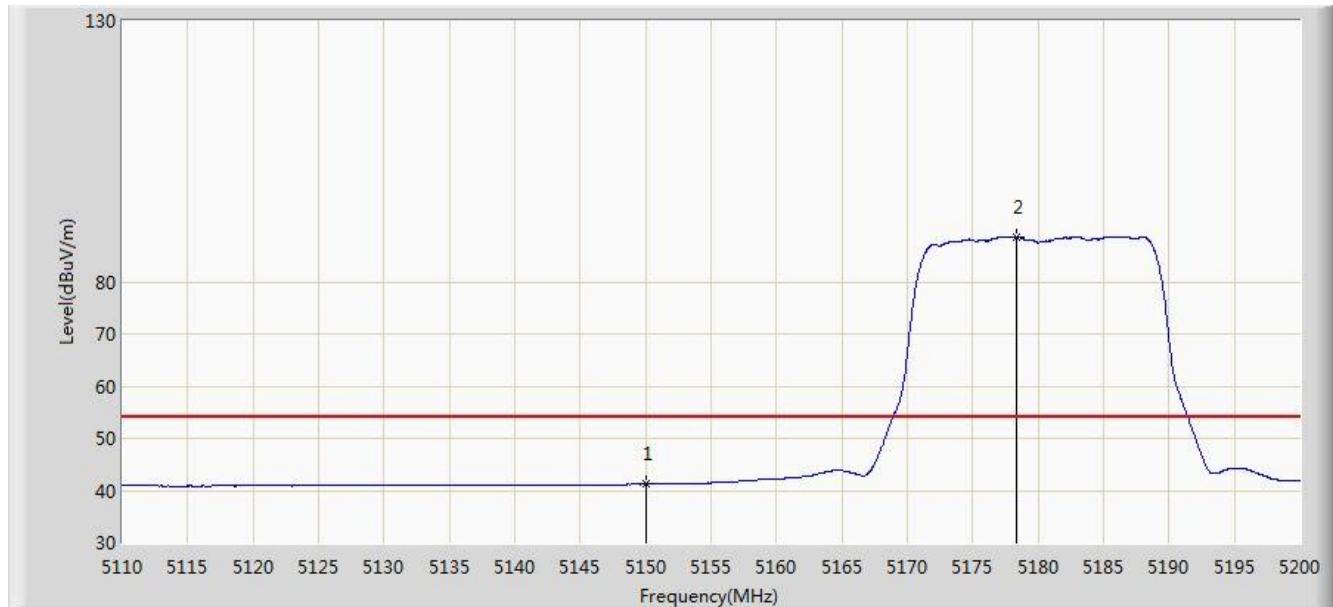


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.705	55.123	50.947	-18.877	74.000	4.175	PK
2			5150.000	53.262	49.093	-20.738	74.000	4.170	PK
3		*	5179.435	100.645	96.574	N/A	N/A	4.071	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:27
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 802.11ac-VHT20 at Channel 5180MHz Ant 1	

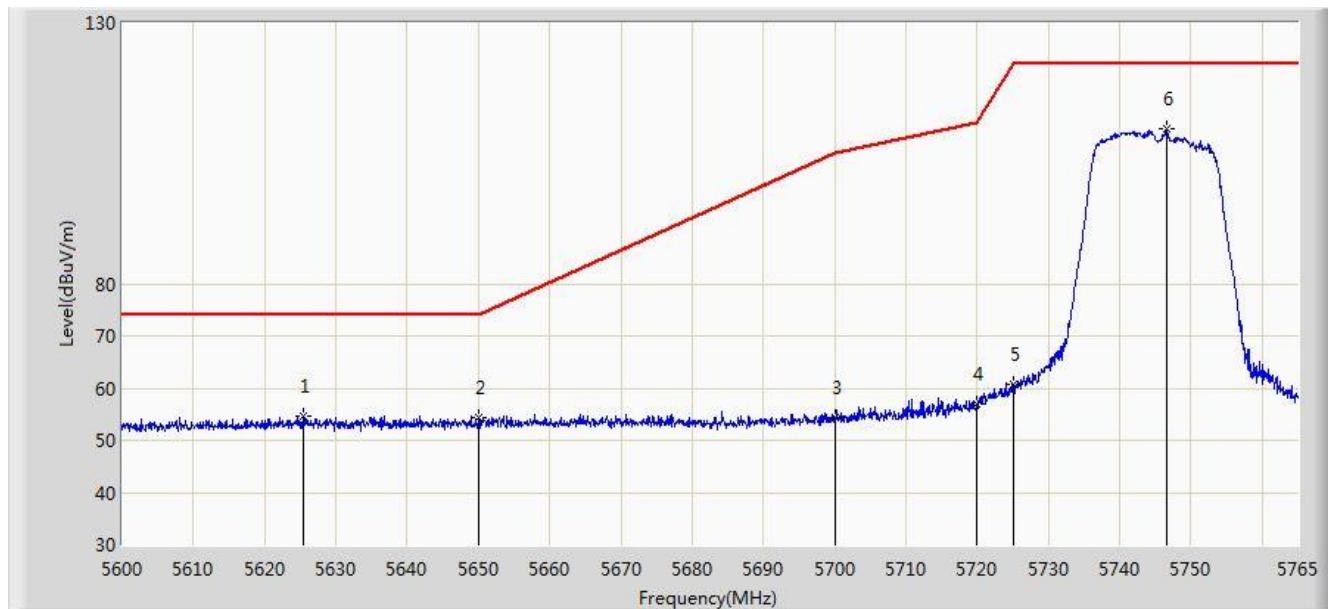


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	41.175	37.006	-12.825	54.000	4.170	AV
2		*	5178.310	88.553	84.478	N/A	N/A	4.075	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:36
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 802.11ac-VHT20 at Channel 5745MHz Ant 1	

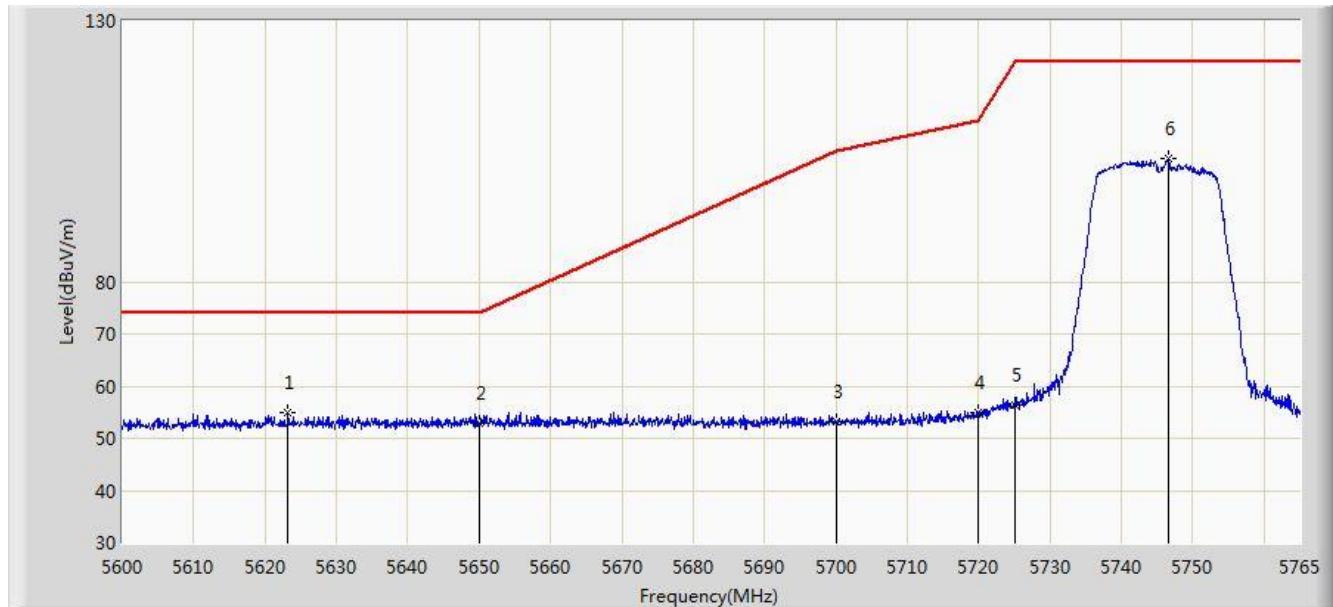


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5625.410	54.687	50.091	-19.313	74.000	4.595	PK
2			5650.000	54.370	49.699	-19.630	74.000	4.671	PK
3			5700.000	54.276	49.398	-50.924	105.200	4.878	PK
4			5720.000	56.848	51.851	-53.952	110.800	4.997	PK
5			5725.000	60.714	55.685	-61.486	122.200	5.029	PK
6	*		5746.685	109.683	104.518	N/A	N/A	5.165	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:37
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 802.11ac-VHT20 at Channel 5745MHz Ant 1	

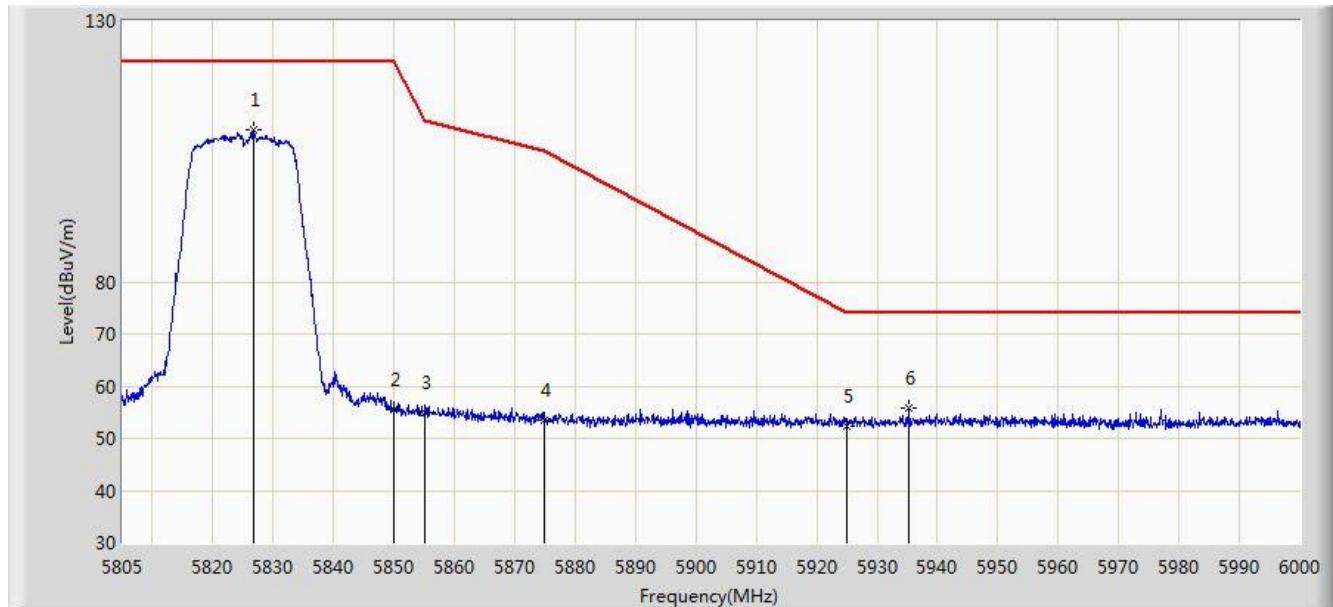


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5623.183	54.891	50.301	-19.109	74.000	4.589	PK
2			5650.000	52.945	48.274	-21.055	74.000	4.671	PK
3			5700.000	53.073	48.195	-52.127	105.200	4.878	PK
4			5720.000	55.016	50.019	-55.784	110.800	4.997	PK
5			5725.000	56.275	51.246	-65.925	122.200	5.029	PK
6	*		5746.520	103.508	98.344	N/A	N/A	5.163	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:38
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 802.11ac-VHT20 at Channel 5825MHz Ant 1	

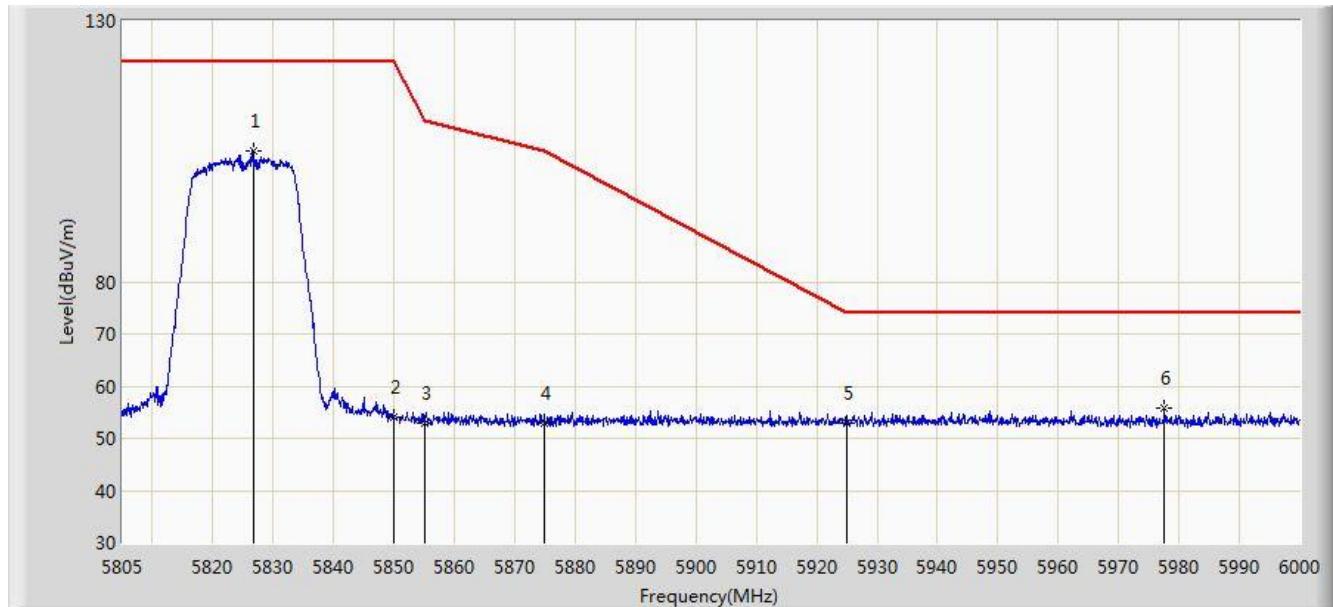


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*		5826.645	109.197	103.599	N/A	N/A	5.598	PK
2			5850.000	55.422	49.696	-66.778	122.200	5.726	PK
3			5855.000	54.903	49.157	-55.897	110.800	5.746	PK
4			5875.000	53.410	47.590	-51.790	105.200	5.820	PK
5			5925.000	52.420	46.454	-21.580	74.000	5.967	PK
6			5935.357	55.876	49.884	-18.124	74.000	5.992	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:39
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	

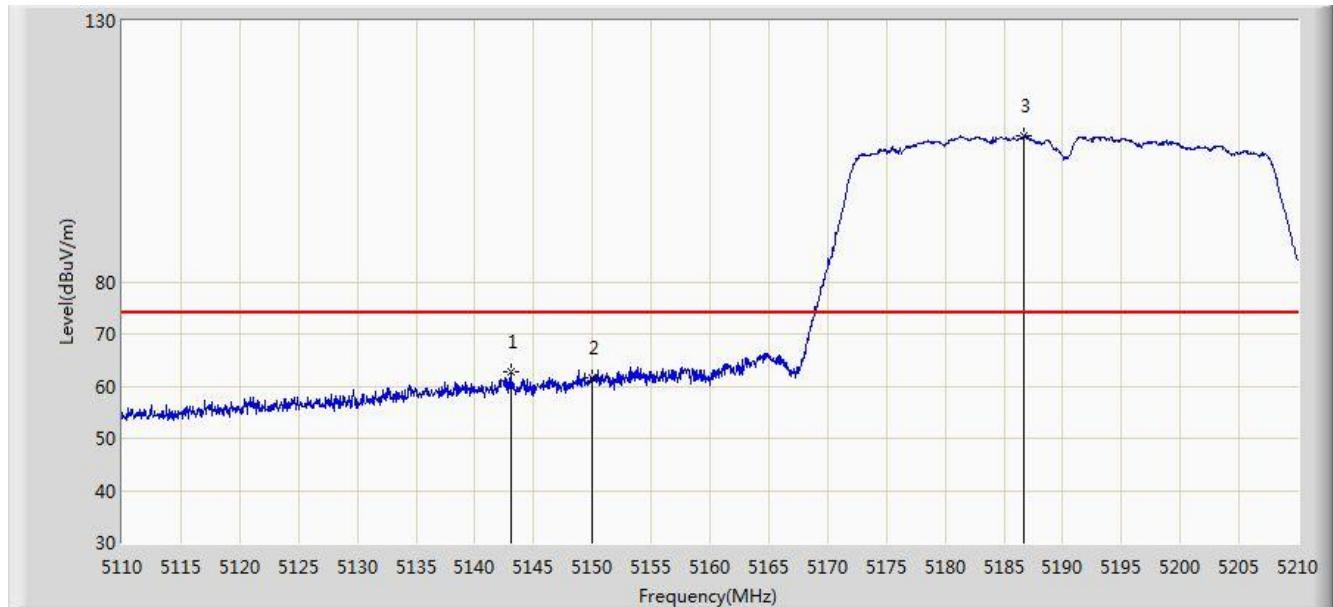


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*		5826.743	105.041	99.443	N/A	N/A	5.599	PK
2			5850.000	54.080	48.354	-68.120	122.200	5.726	PK
3			5855.000	52.948	47.202	-57.852	110.800	5.746	PK
4			5875.000	52.791	46.971	-52.409	105.200	5.820	PK
5			5925.000	52.915	46.949	-21.085	74.000	5.967	PK
6			5977.575	55.762	49.688	-18.238	74.000	6.073	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:40
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-VHT40 at Channel 5190MHz Ant 1	

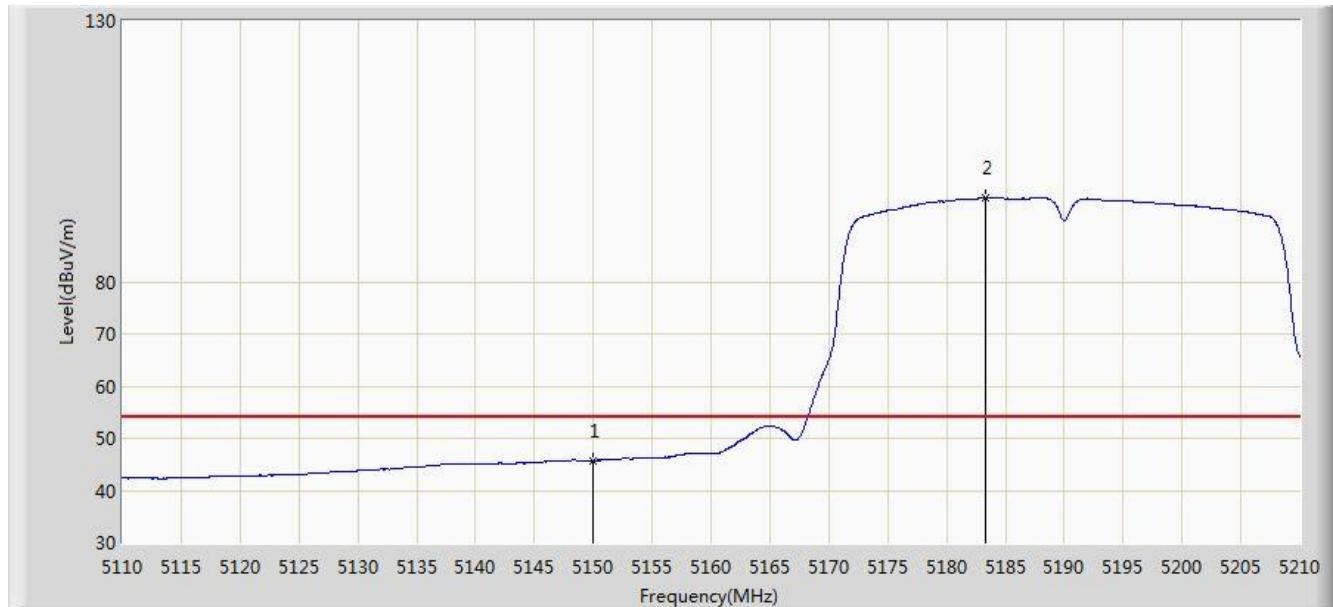


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.050	62.813	58.637	-11.187	74.000	4.176	PK
2			5150.000	61.478	57.309	-12.522	74.000	4.170	PK
3		*	5186.750	107.867	103.822	N/A	N/A	4.045	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:41
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	

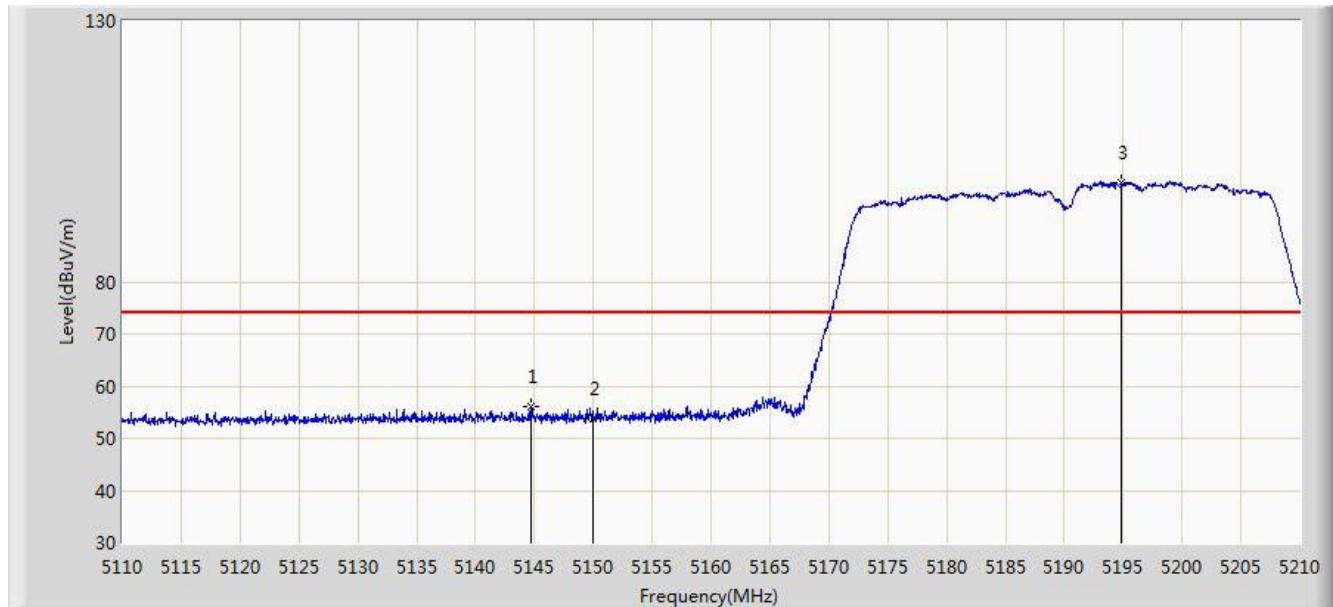


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	45.741	41.572	-8.259	54.000	4.170	AV
2	*		5183.350	96.057	92.000	N/A	N/A	4.056	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:41
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	

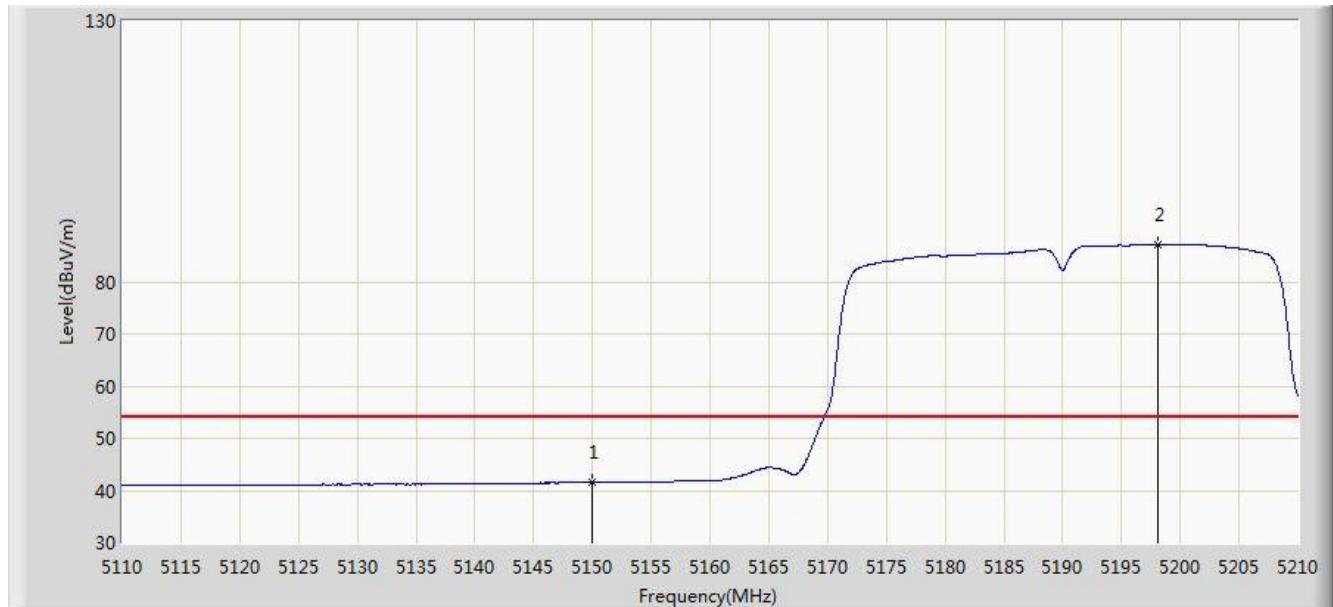


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.700	56.124	51.948	-17.876	74.000	4.176	PK
2			5150.000	53.870	49.701	-20.130	74.000	4.170	PK
3	*	*	5194.850	98.880	94.864	N/A	N/A	4.016	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:42
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	

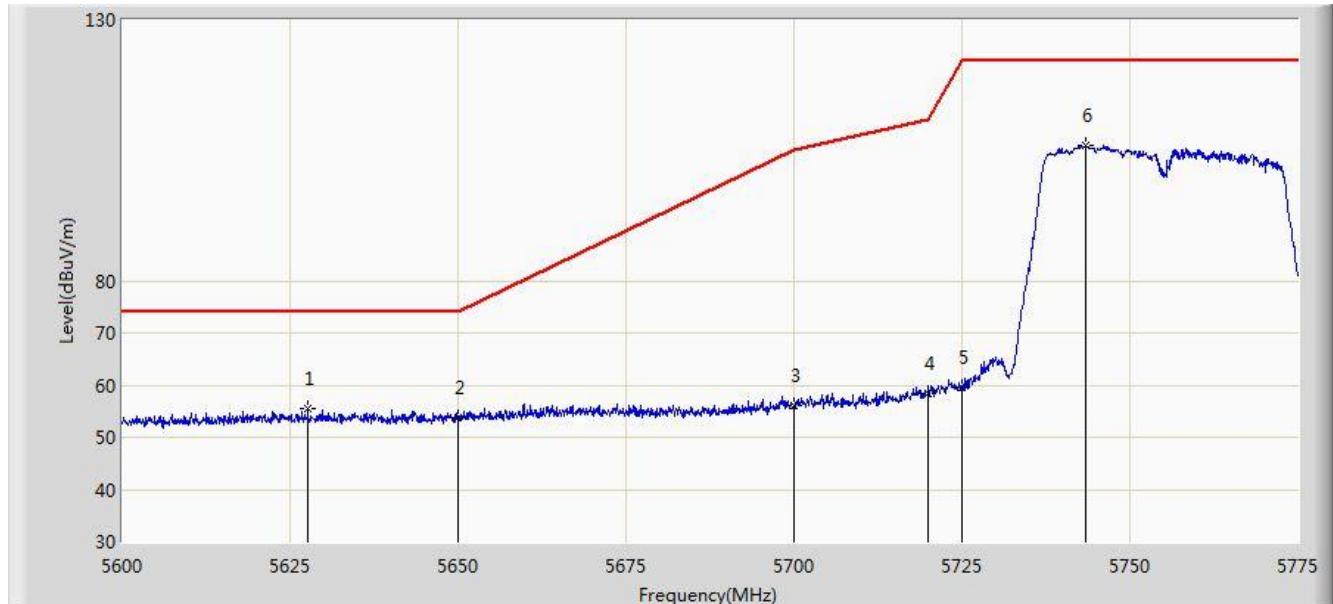


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	41.492	37.323	-12.508	54.000	4.170	AV
2	*	*	5198.150	87.001	82.997	N/A	N/A	4.005	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:54
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 802.11ac-VHT40 at Channel 5755MHz Ant 1	

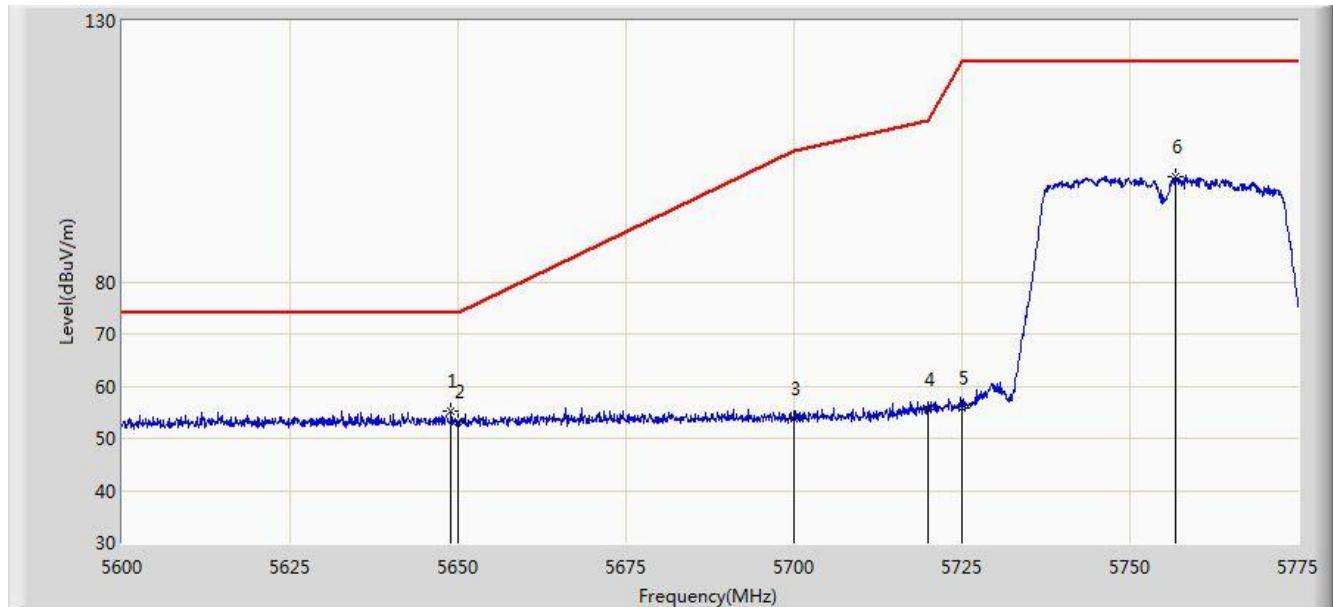


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5627.650	55.447	50.845	-18.553	74.000	4.602	PK
2			5650.000	53.838	49.167	-20.162	74.000	4.671	PK
3			5700.000	56.062	51.184	-49.138	105.200	4.878	PK
4			5720.000	58.400	53.403	-52.400	110.800	4.997	PK
5			5725.000	59.495	54.466	-62.705	122.200	5.029	PK
6	*		5743.325	105.840	100.695	N/A	N/A	5.145	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:55
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 802.11ac-VHT40 at Channel 5755MHz Ant 1	

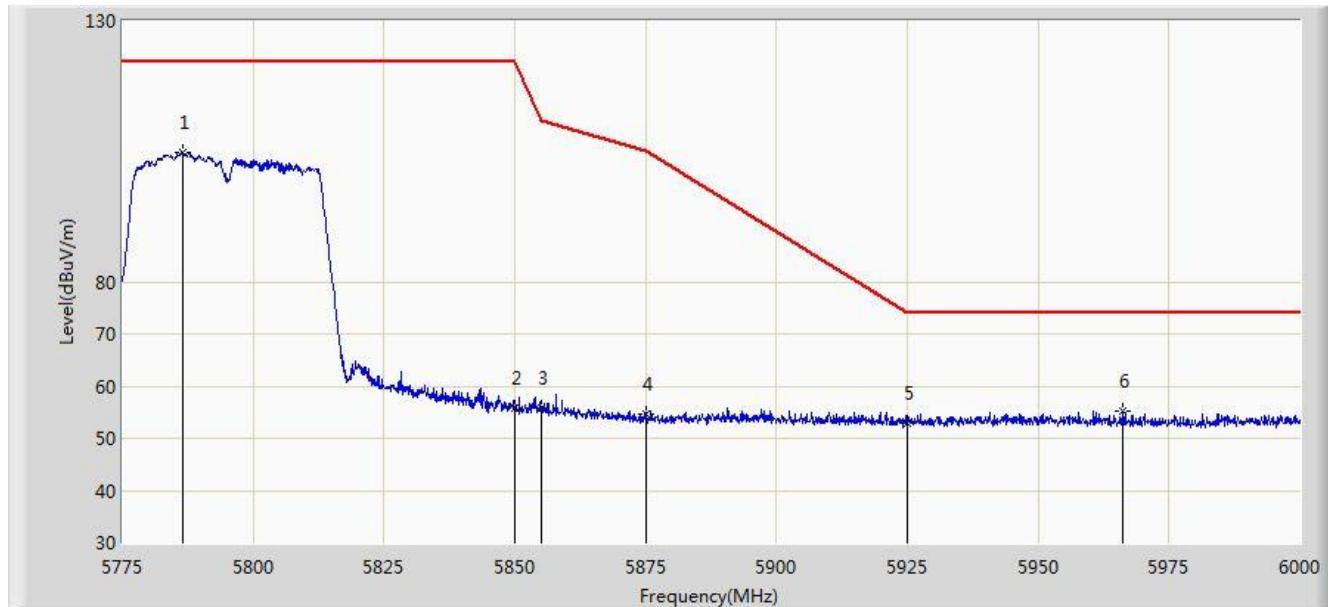


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5649.000	55.100	50.432	-18.900	74.000	4.667	PK
2			5650.000	53.098	48.427	-20.902	74.000	4.671	PK
3			5700.000	53.631	48.753	-51.569	105.200	4.878	PK
4			5720.000	55.566	50.569	-55.234	110.800	4.997	PK
5			5725.000	55.854	50.825	-66.346	122.200	5.029	PK
6			5756.712	100.056	94.835	N/A	N/A	5.221	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:56
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	

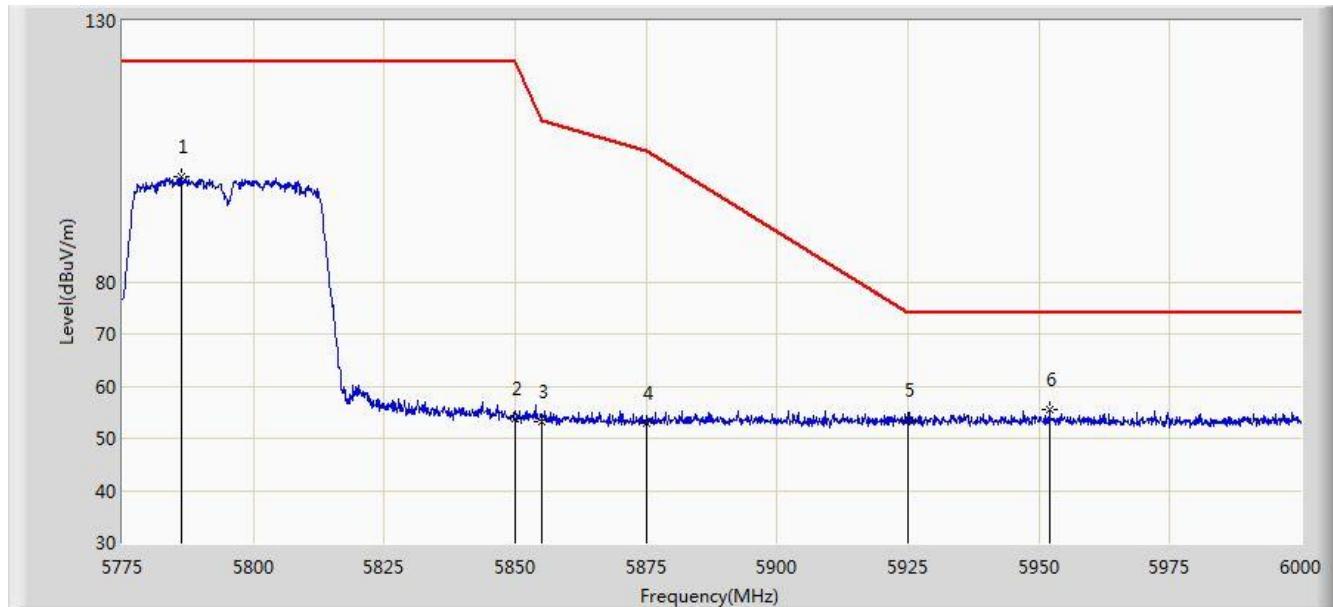


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*		5786.475	104.754	99.380	N/A	N/A	5.374	PK
2			5850.000	55.809	50.083	-66.391	122.200	5.726	PK
3			5855.000	55.720	49.974	-55.080	110.800	5.746	PK
4			5875.000	54.707	48.887	-50.493	105.200	5.820	PK
5			5925.000	52.918	46.952	-21.082	74.000	5.967	PK
6			5966.025	55.302	49.248	-18.698	74.000	6.054	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:57
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	

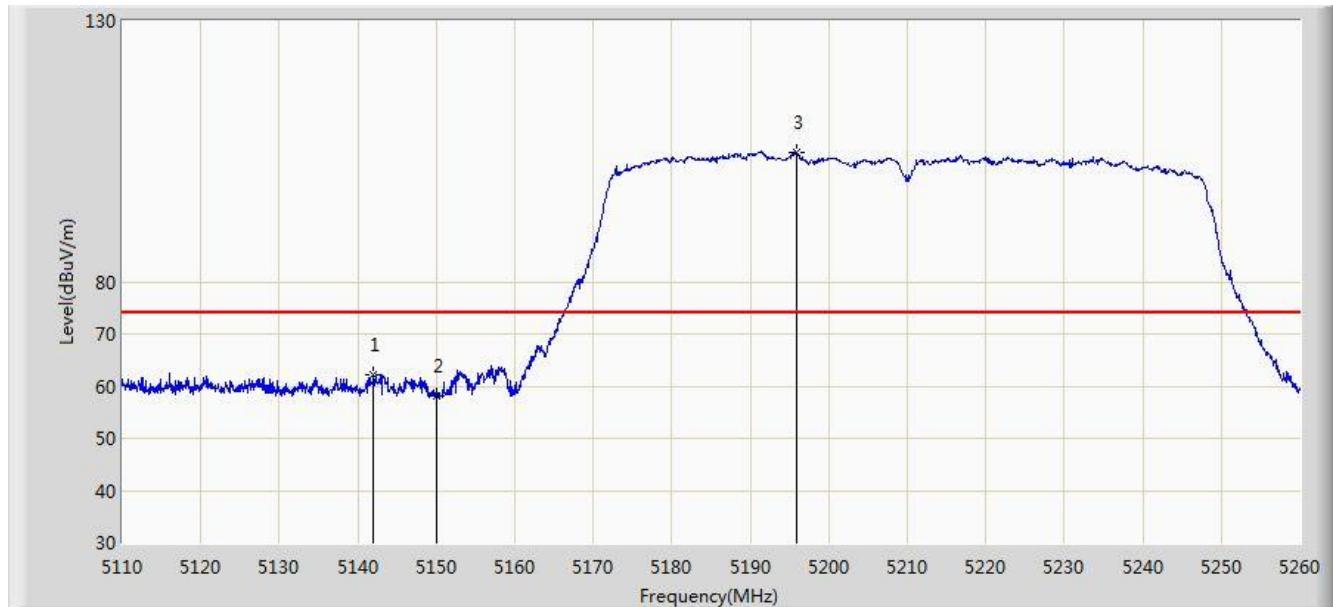


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5786.138	100.048	94.676	N/A	N/A	5.372	PK
2			5850.000	53.686	47.960	-68.514	122.200	5.726	PK
3			5855.000	53.194	47.448	-57.606	110.800	5.746	PK
4			5875.000	53.022	47.202	-52.178	105.200	5.820	PK
5			5925.000	53.448	47.482	-20.552	74.000	5.967	PK
6	*		5952.075	55.490	49.460	-18.510	74.000	6.030	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:58
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-VHT80 at Channel 5210MHz Ant 1	

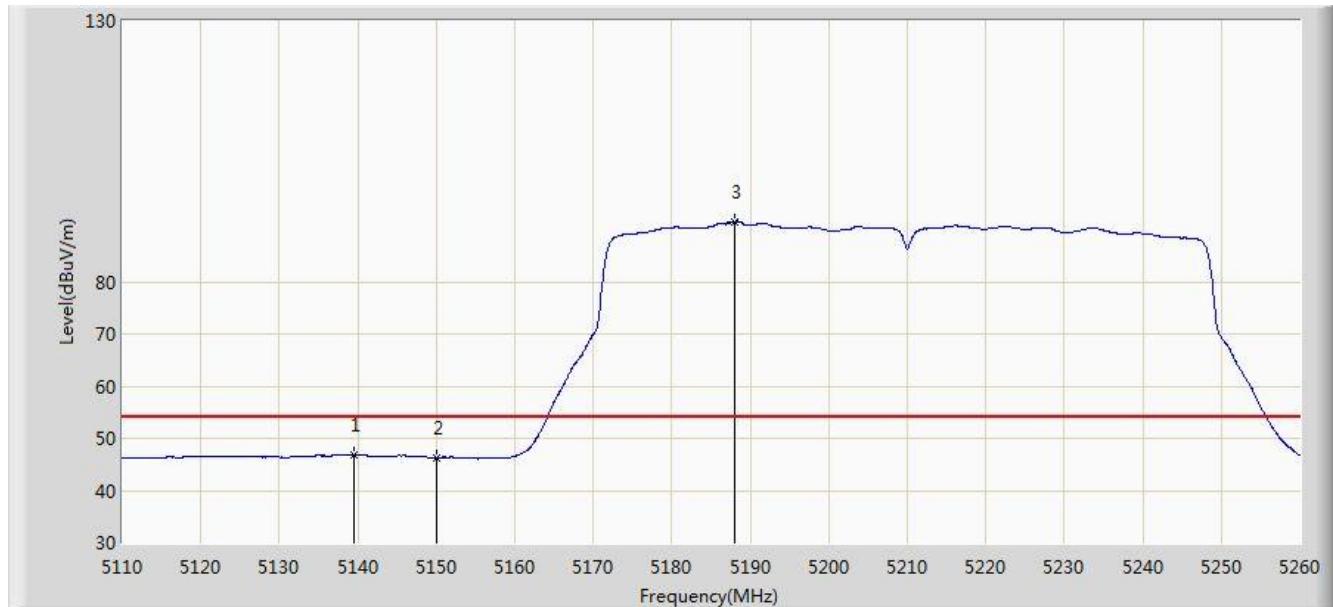


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.025	62.307	58.131	-11.693	74.000	4.176	PK
2			5150.000	58.047	53.878	-15.953	74.000	4.170	PK
3		*	5195.875	104.708	100.695	N/A	N/A	4.013	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:59
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	

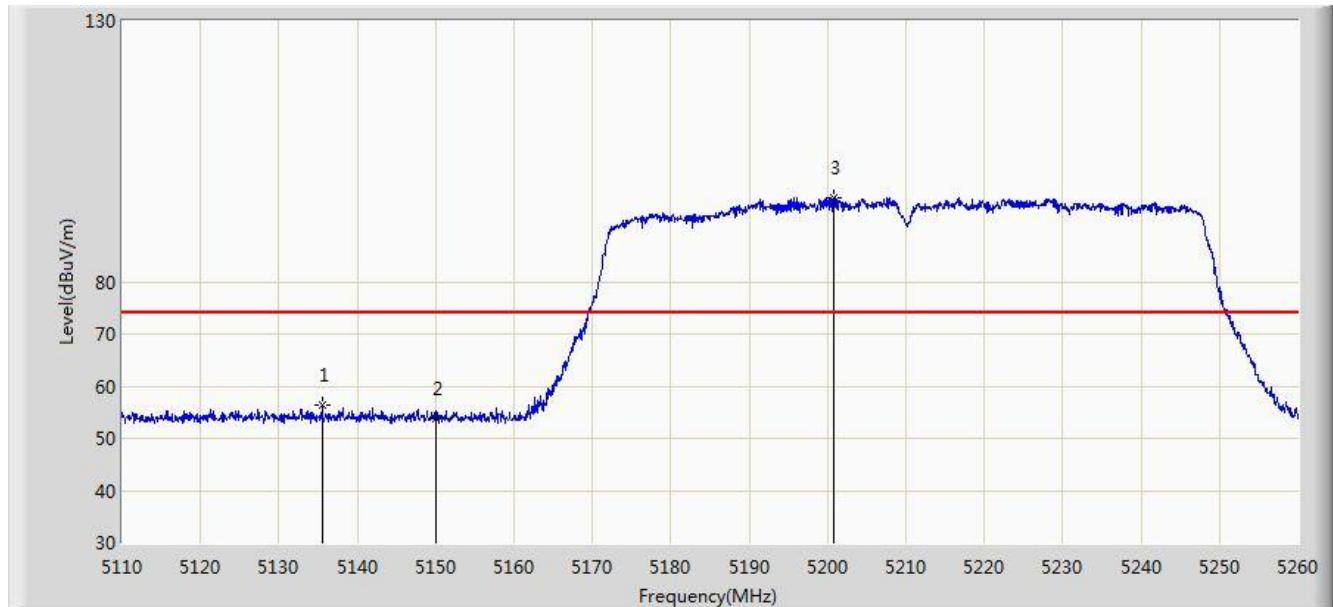


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5139.550	46.693	42.518	-7.307	54.000	4.175	AV
2			5150.000	46.303	42.134	-7.697	54.000	4.170	AV
3		*	5188.075	91.592	87.552	N/A	N/A	4.040	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/12 - 23:59
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	

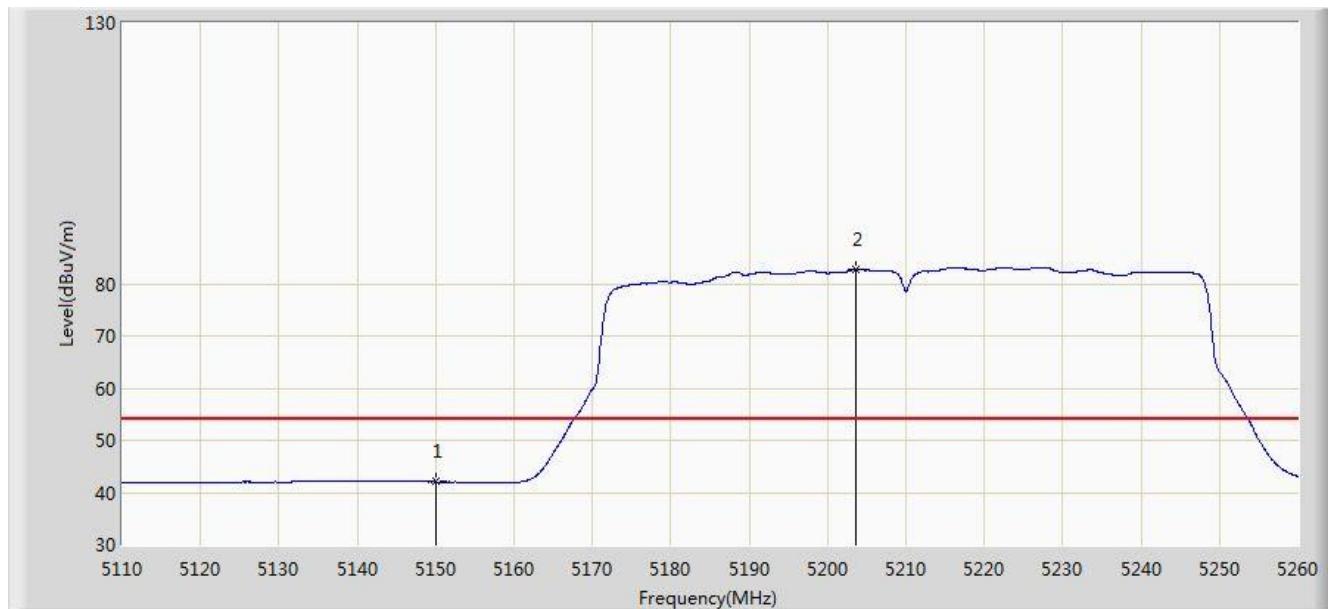


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5135.500	56.287	52.112	-17.713	74.000	4.176	PK
2			5150.000	53.769	49.600	-20.231	74.000	4.170	PK
3	*		5200.750	96.097	92.101	N/A	N/A	3.996	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:00
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	

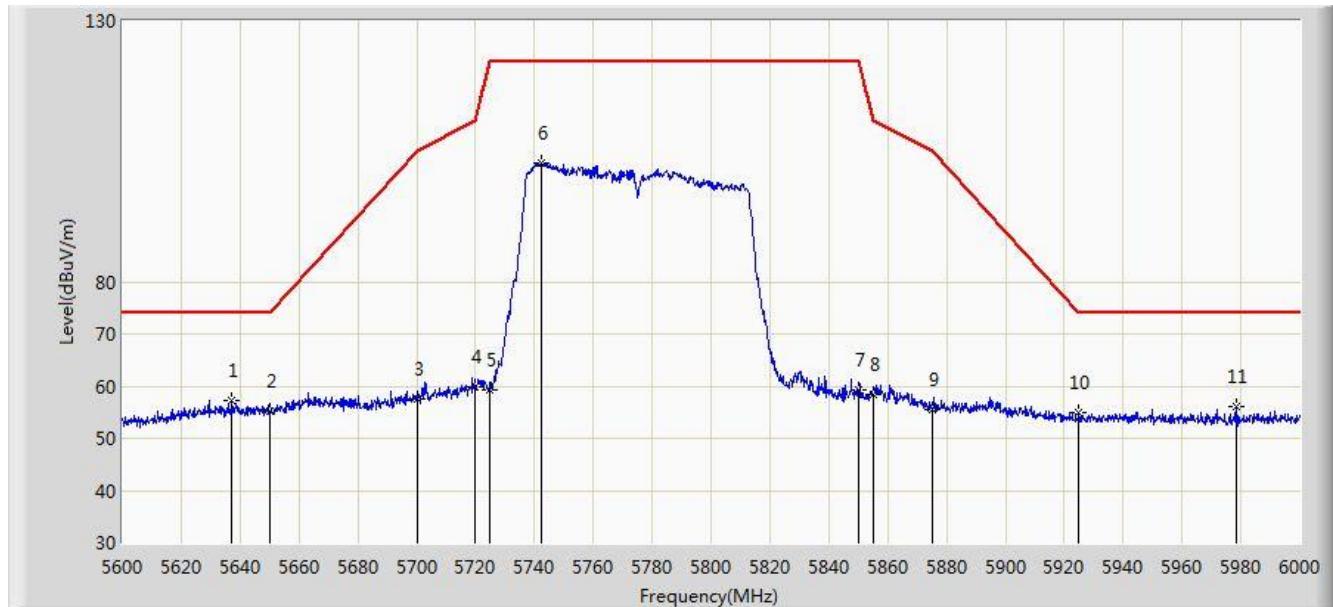


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	42.044	37.875	-11.956	54.000	4.170	AV
2	*		5203.675	82.802	78.815	N/A	N/A	3.987	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:09
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-VHT80 at Channel 5775MHz Ant 1	

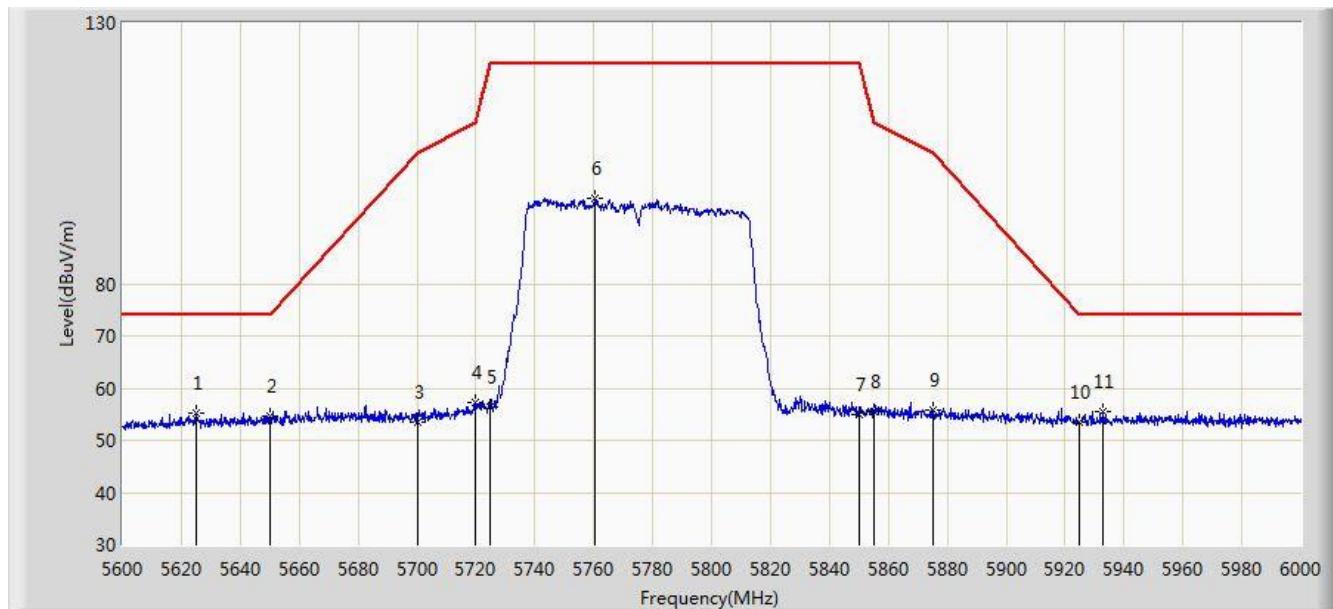


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5637.200	57.344	52.714	-16.656	74.000	4.630	PK
2			5650.000	55.240	50.569	-18.760	74.000	4.671	PK
3			5700.000	57.483	52.605	-47.717	105.200	4.878	PK
4			5720.000	59.925	54.928	-50.875	110.800	4.997	PK
5			5725.000	59.180	54.151	-63.020	122.200	5.029	PK
6			5742.200	102.656	97.517	N/A	N/A	5.138	PK
7			5850.000	59.152	53.426	-63.048	122.200	5.726	PK
8			5855.000	58.549	52.803	-52.251	110.800	5.746	PK
9			5875.000	55.451	49.631	-49.749	105.200	5.820	PK
10			5925.000	55.004	49.038	-18.996	74.000	5.967	PK
11			5978.200	56.002	49.927	-17.998	74.000	6.075	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:10
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 802.11ac-VHT80 at Channel 5775MHz Ant 1	

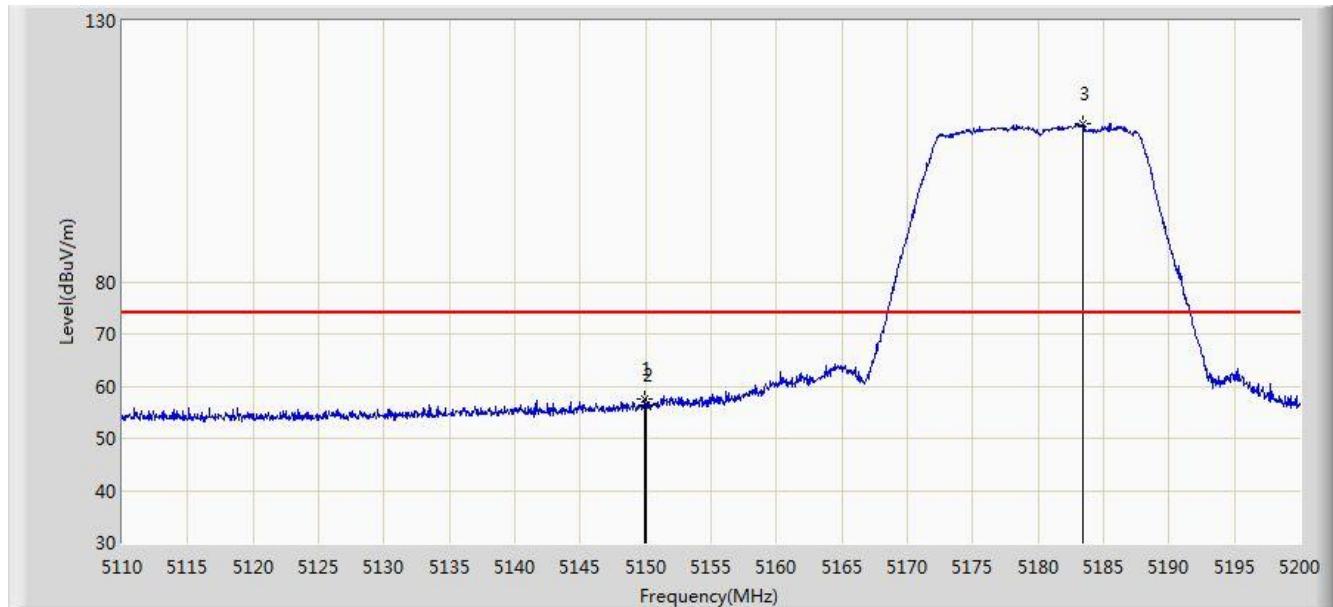


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5625.000	55.297	50.702	-18.703	74.000	4.595	PK
2			5650.000	54.591	49.920	-19.409	74.000	4.671	PK
3			5700.000	53.595	48.717	-51.605	105.200	4.878	PK
4			5720.000	57.340	52.343	-53.460	110.800	4.997	PK
5			5725.000	56.355	51.326	-65.845	122.200	5.029	PK
6			5760.600	96.281	91.038	N/A	N/A	5.244	PK
7			5850.000	54.866	49.140	-67.334	122.200	5.726	PK
8			5855.000	55.524	49.778	-55.276	110.800	5.746	PK
9			5875.000	55.881	50.061	-49.319	105.200	5.820	PK
10			5925.000	53.503	47.537	-20.497	74.000	5.967	PK
11	*		5933.000	55.457	49.471	-18.543	74.000	5.987	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:12
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 802.11a at Channel 5180MHz Ant 2	

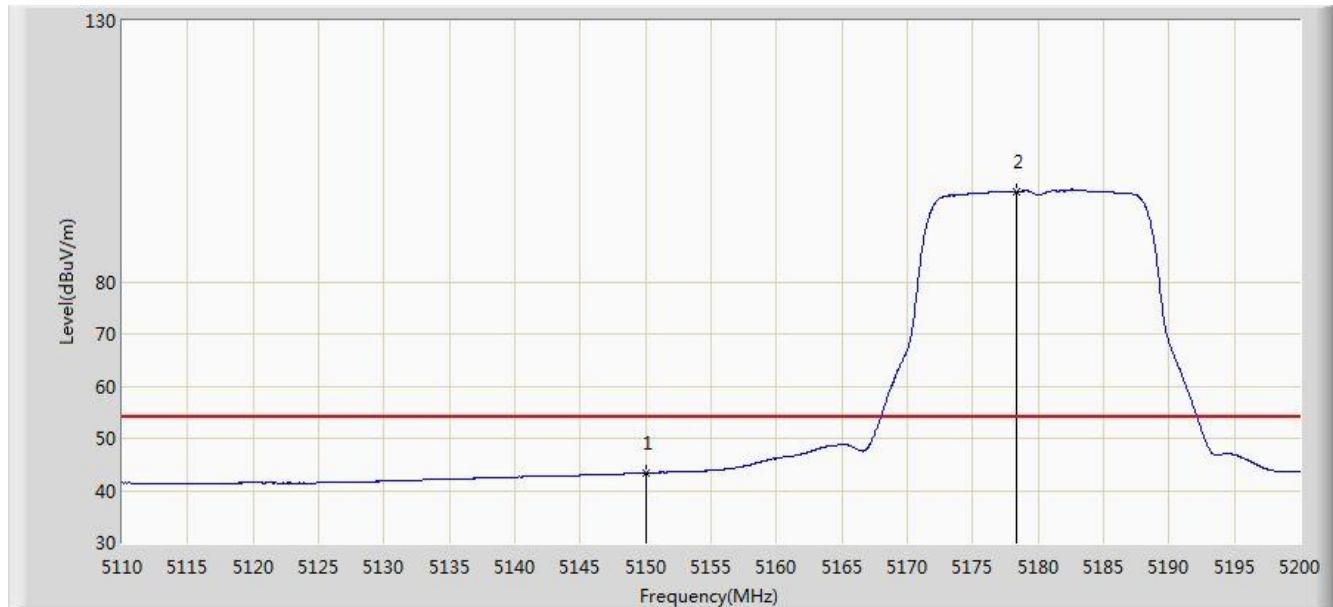


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.960	57.458	53.289	-16.542	74.000	4.170	PK
2			5150.000	56.349	52.180	-17.651	74.000	4.170	PK
3	*		5183.440	110.309	106.252	N/A	N/A	4.056	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:13
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 802.11a at Channel 5180MHz Ant 2	

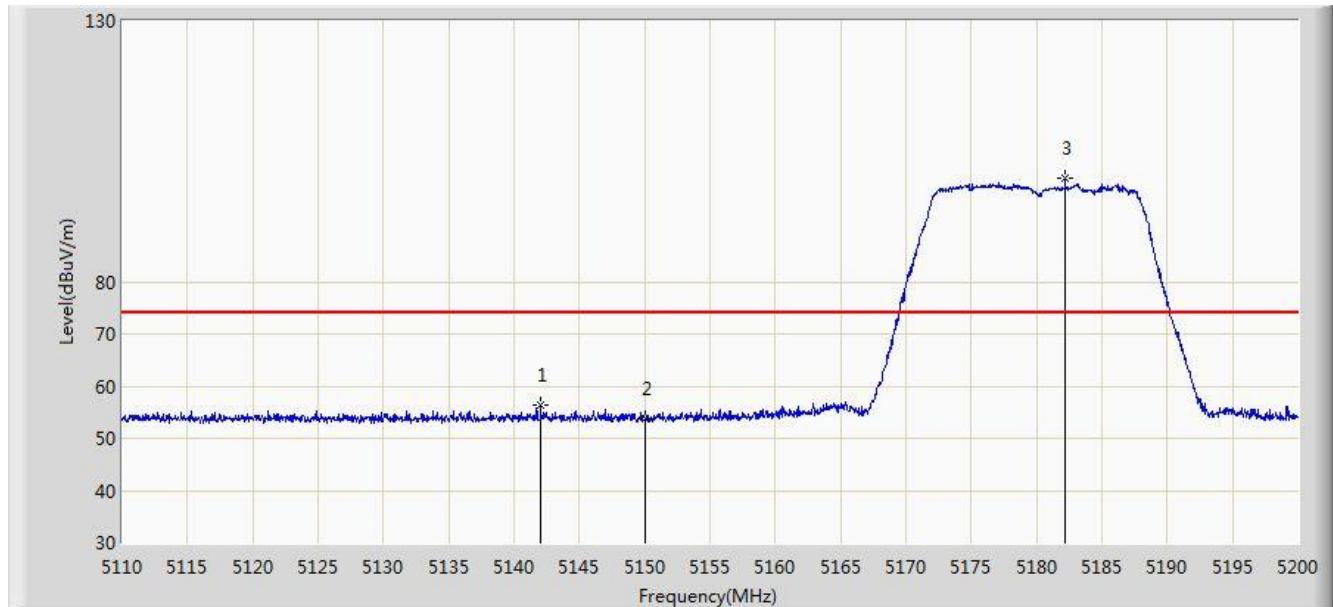


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	43.245	39.076	-10.755	54.000	4.170	AV
2		*	5178.400	97.294	93.219	N/A	N/A	4.074	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1-18GHz	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	

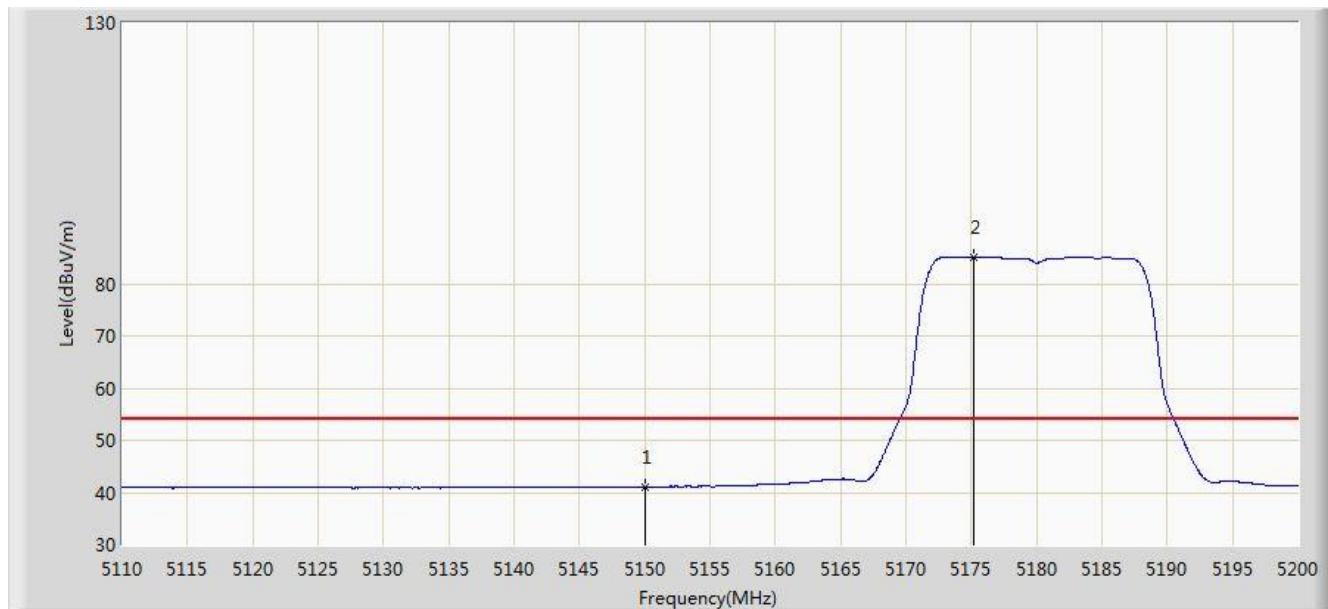


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.040	56.299	52.990	-17.701	74.000	3.309	PK
2			5150.000	53.871	50.562	-20.129	74.000	3.309	PK
3	*		5182.180	99.910	96.639	N/A	N/A	3.271	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:15
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 802.11a at Channel 5180MHz Ant 2	

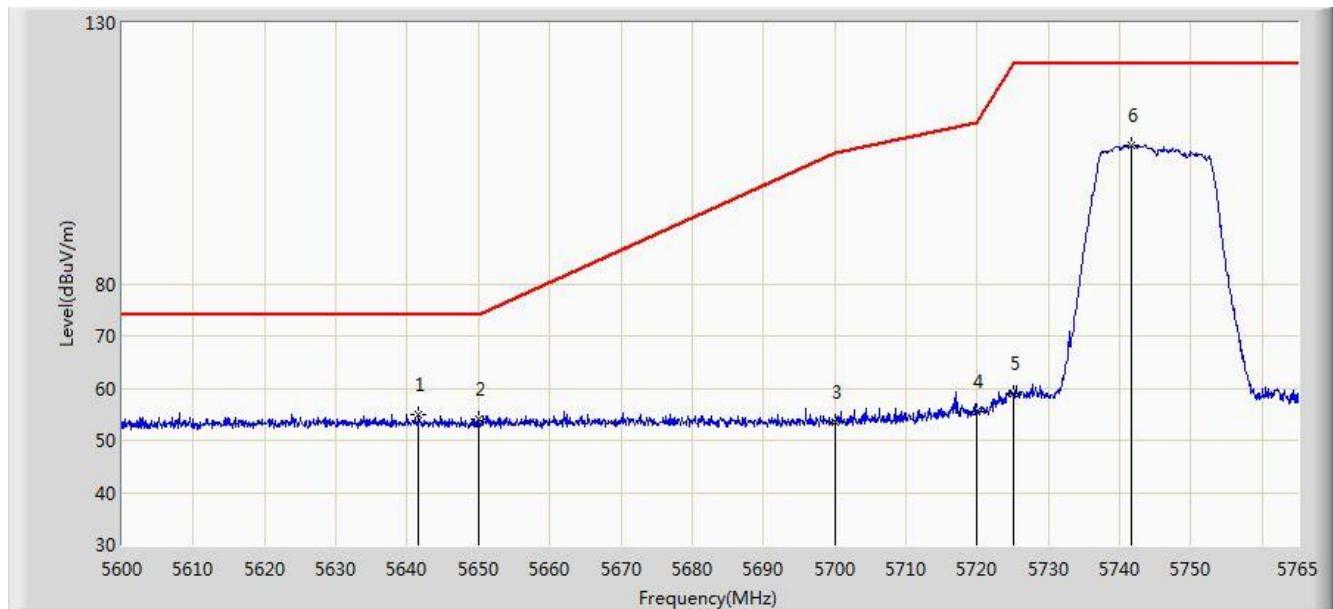


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	41.087	36.918	-12.913	54.000	4.170	AV
2		*	5175.205	85.125	81.039	N/A	N/A	4.086	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:23
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 802.11a at Channel 5745MHz Ant 2	

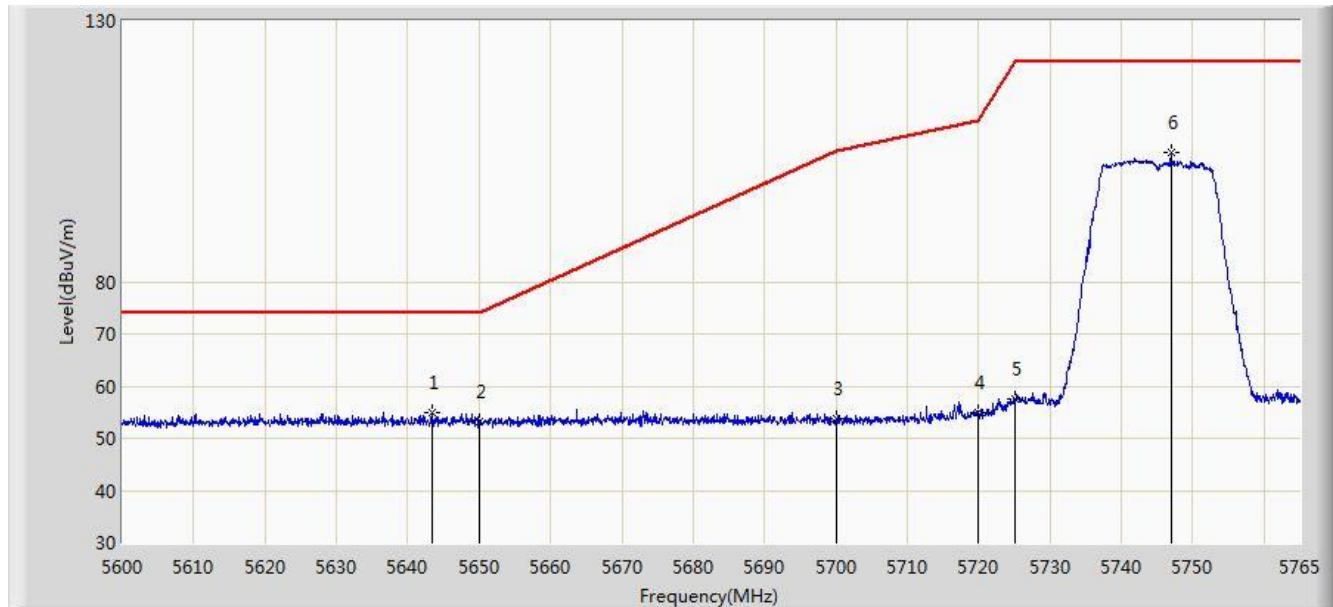


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5641.663	55.034	50.391	-18.966	74.000	4.643	PK
2			5650.000	53.966	49.295	-20.034	74.000	4.671	PK
3			5700.000	53.596	48.718	-51.604	105.200	4.878	PK
4			5720.000	55.524	50.527	-55.276	110.800	4.997	PK
5			5725.000	59.066	54.037	-63.134	122.200	5.029	PK
6	*		5741.570	106.577	101.442	N/A	N/A	5.135	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:24
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 802.11a at Channel 5745MHz Ant 2	

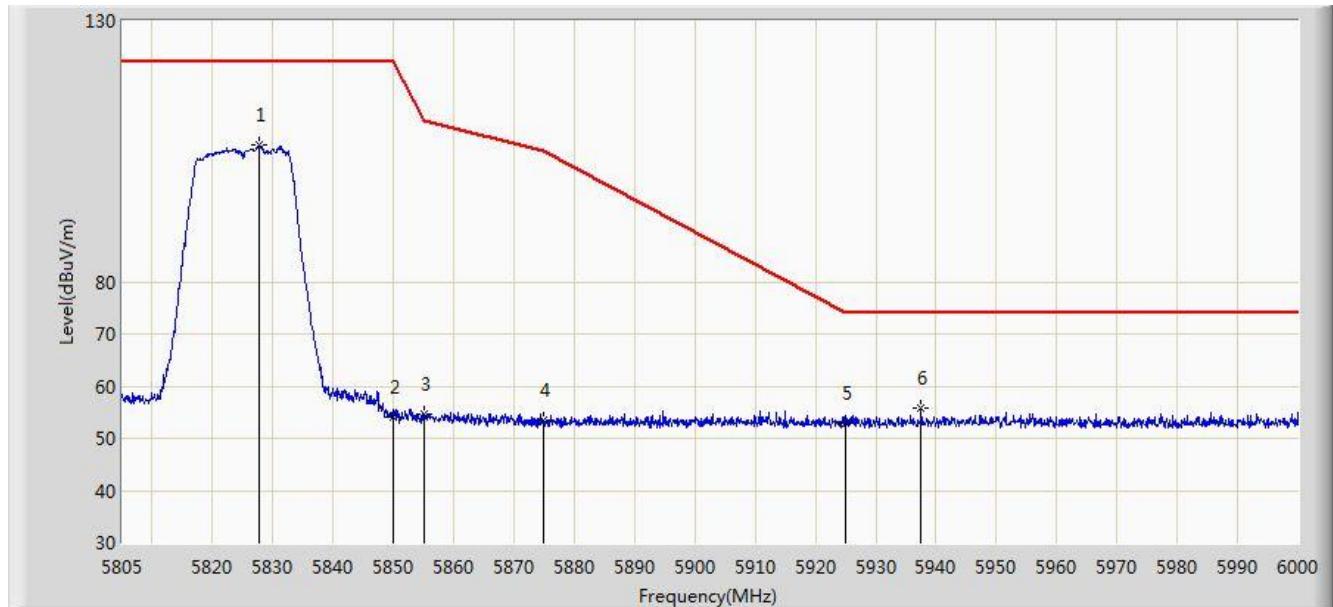


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5643.395	55.065	50.416	-18.935	74.000	4.649	PK
2			5650.000	53.313	48.642	-20.687	74.000	4.671	PK
3			5700.000	53.832	48.954	-51.368	105.200	4.878	PK
4			5720.000	54.866	49.869	-55.934	110.800	4.997	PK
5			5725.000	57.479	52.450	-64.721	122.200	5.029	PK
6	*		5746.933	104.657	99.491	N/A	N/A	5.166	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:25
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 802.11a at Channel 5825MHz Ant 2	

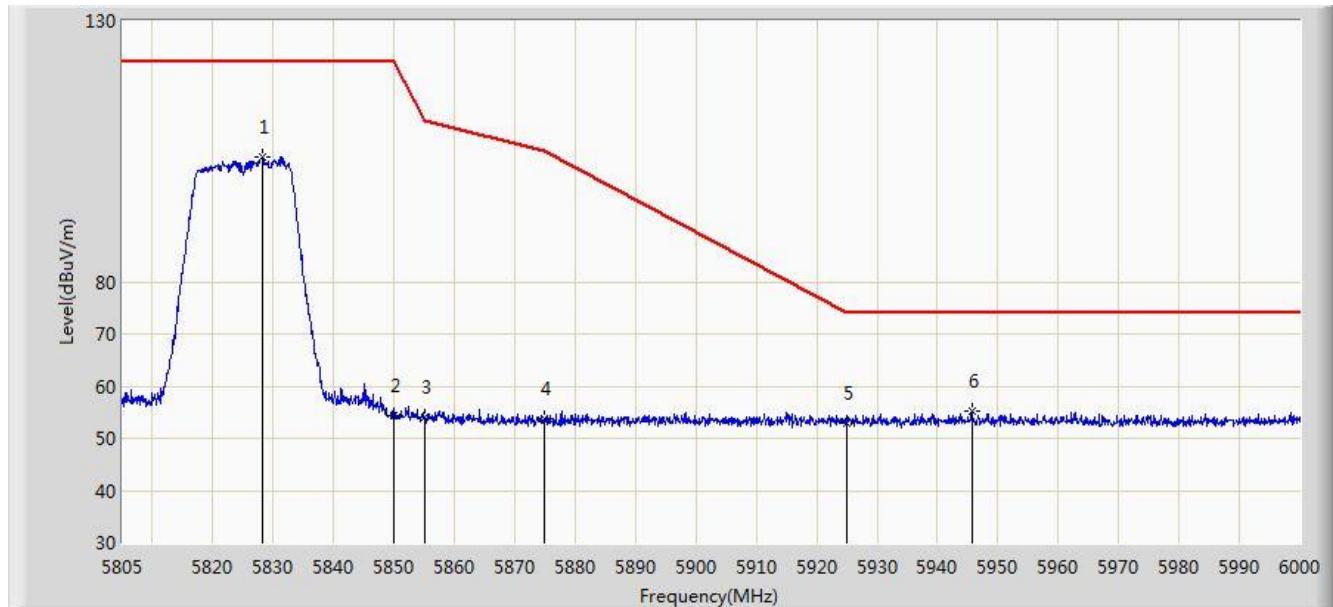


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5827.620	106.320	100.717	N/A	N/A	5.603	PK
2			5850.000	54.151	48.425	-68.049	122.200	5.726	PK
3			5855.000	54.644	48.898	-56.156	110.800	5.746	PK
4			5875.000	53.367	47.547	-51.833	105.200	5.820	PK
5			5925.000	53.001	47.035	-20.999	74.000	5.967	PK
6			5937.502	55.777	49.779	-18.223	74.000	5.997	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:26
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	

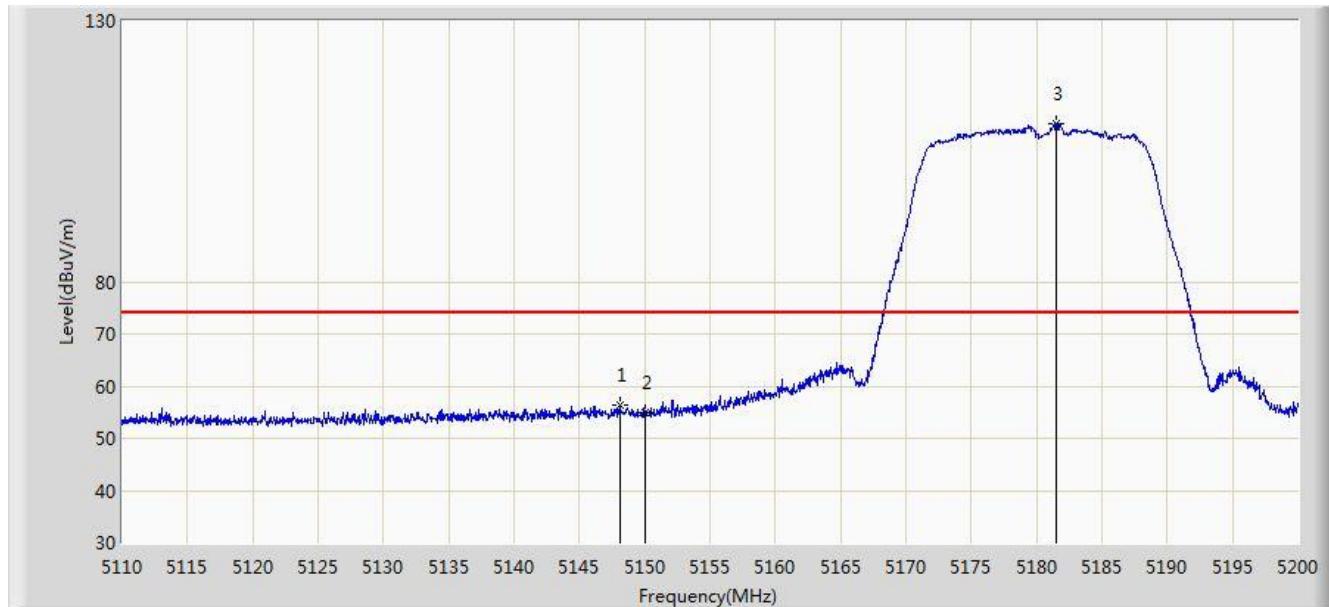


No	Flag	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Margin (dB)	Limit (dBm)	Factor (dB)	Type
1	*		5828.205	103.910	98.303	N/A	N/A	5.607	PK
2			5850.000	54.418	48.692	-67.782	122.200	5.726	PK
3			5855.000	53.973	48.227	-56.827	110.800	5.746	PK
4			5875.000	53.787	47.967	-51.413	105.200	5.820	PK
5			5925.000	52.809	46.843	-21.191	74.000	5.967	PK
6			5945.692	55.220	49.203	-18.780	74.000	6.018	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:27
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	

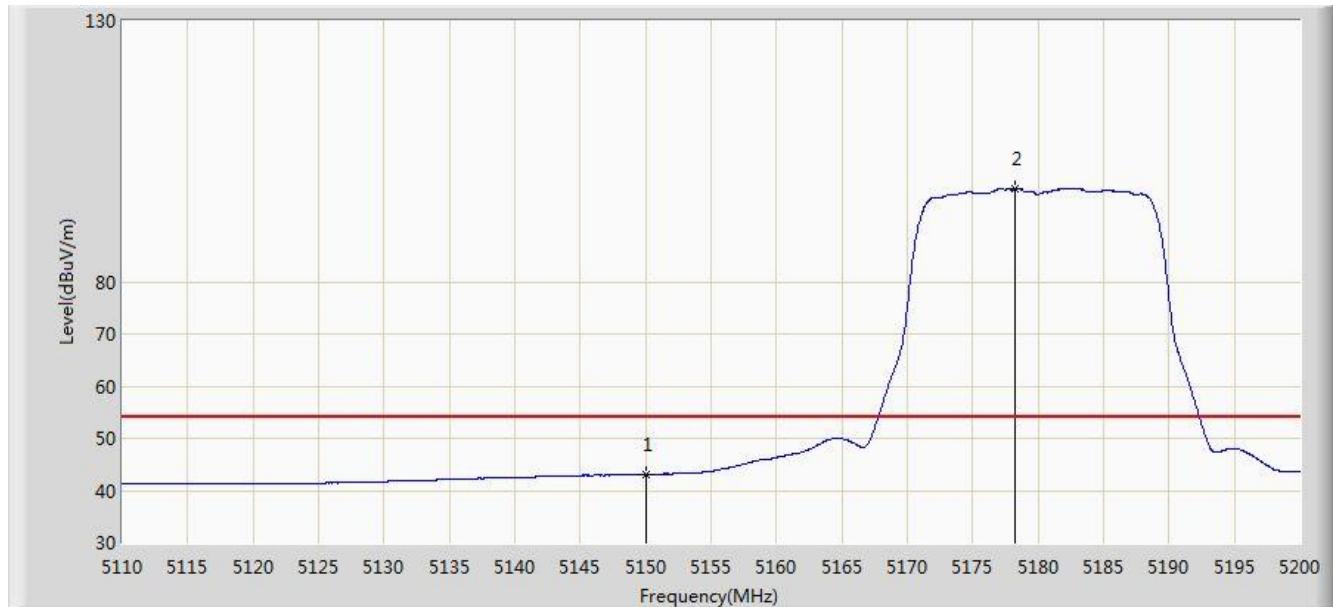


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.070	56.346	52.171	-17.654	74.000	4.176	PK
2			5150.000	55.011	50.842	-18.989	74.000	4.170	PK
3	*		5181.460	110.335	106.271	N/A	N/A	4.064	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:28
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 802.11n-HT20 at Channel 5180MHz Ant 2	

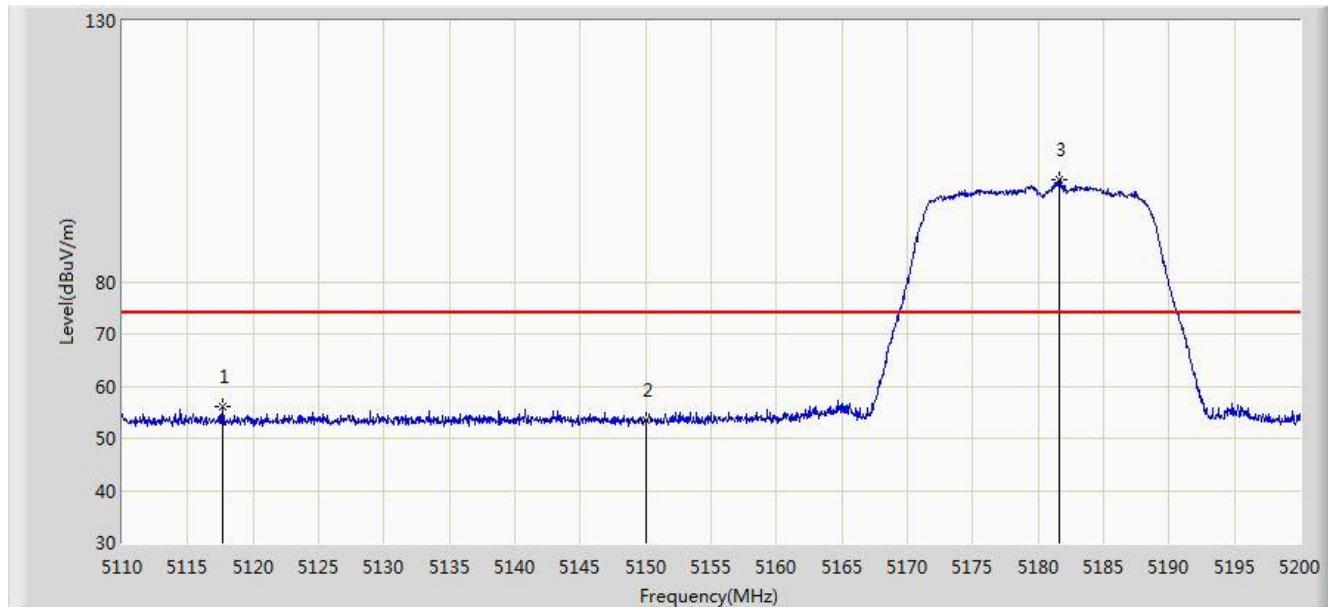


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	43.102	38.933	-10.898	54.000	4.170	AV
2		*	5178.265	97.751	93.676	N/A	N/A	4.075	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:28
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	

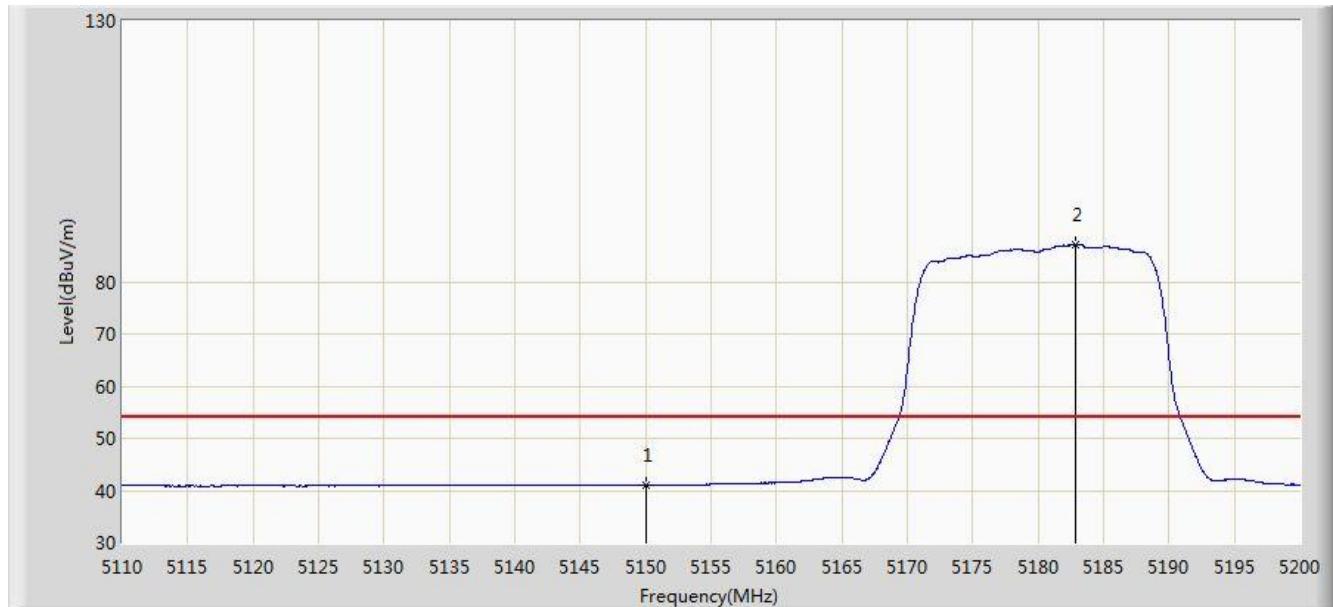


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5117.650	55.963	51.788	-18.037	74.000	4.175	PK
2			5150.000	53.583	49.414	-20.417	74.000	4.170	PK
3	*	*	5181.595	99.424	95.361	N/A	N/A	4.063	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:29
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 802.11n-HT20 at Channel 5180MHz Ant 2	

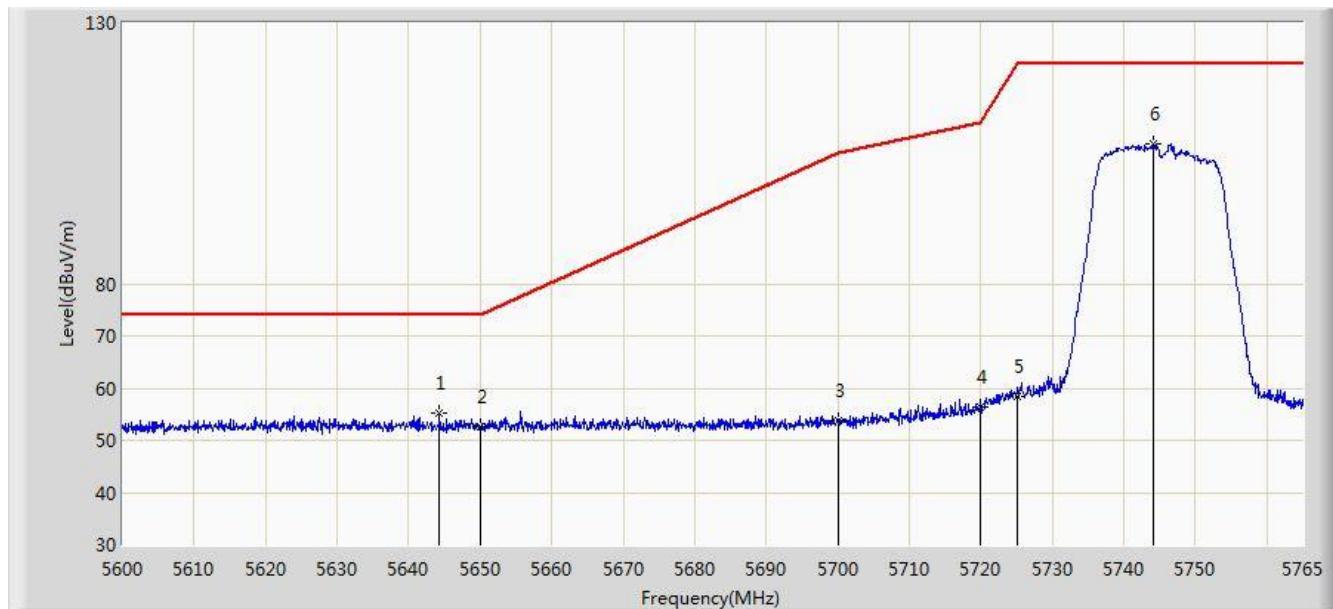


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5150.000	41.048	36.879	-12.952	54.000	4.170	AV
2		*	5182.855	87.105	83.046	N/A	N/A	4.059	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:37
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	

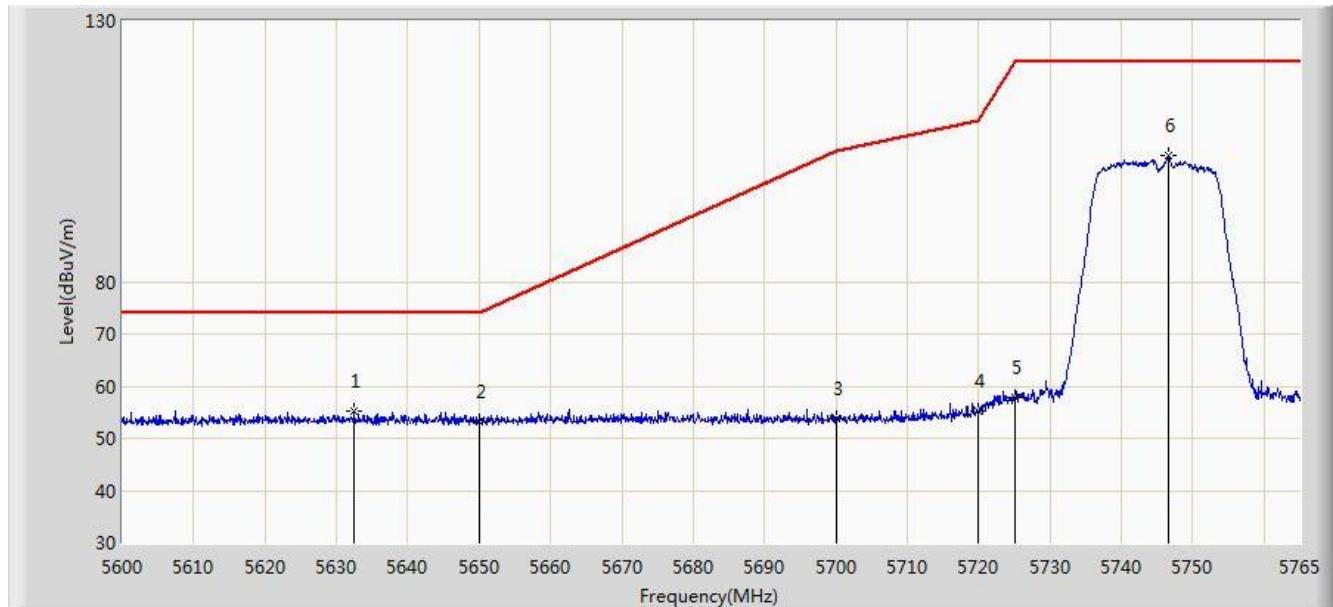


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5644.303	55.249	50.597	-18.751	74.000	4.652	PK
2			5650.000	52.564	47.893	-21.436	74.000	4.671	PK
3			5700.000	53.898	49.020	-51.302	105.200	4.878	PK
4			5720.000	56.312	51.315	-54.488	110.800	4.997	PK
5			5725.000	58.362	53.333	-63.838	122.200	5.029	PK
6	*		5744.210	106.925	101.775	N/A	N/A	5.151	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:38
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-HT20 at Channel 5745MHz Ant 2	

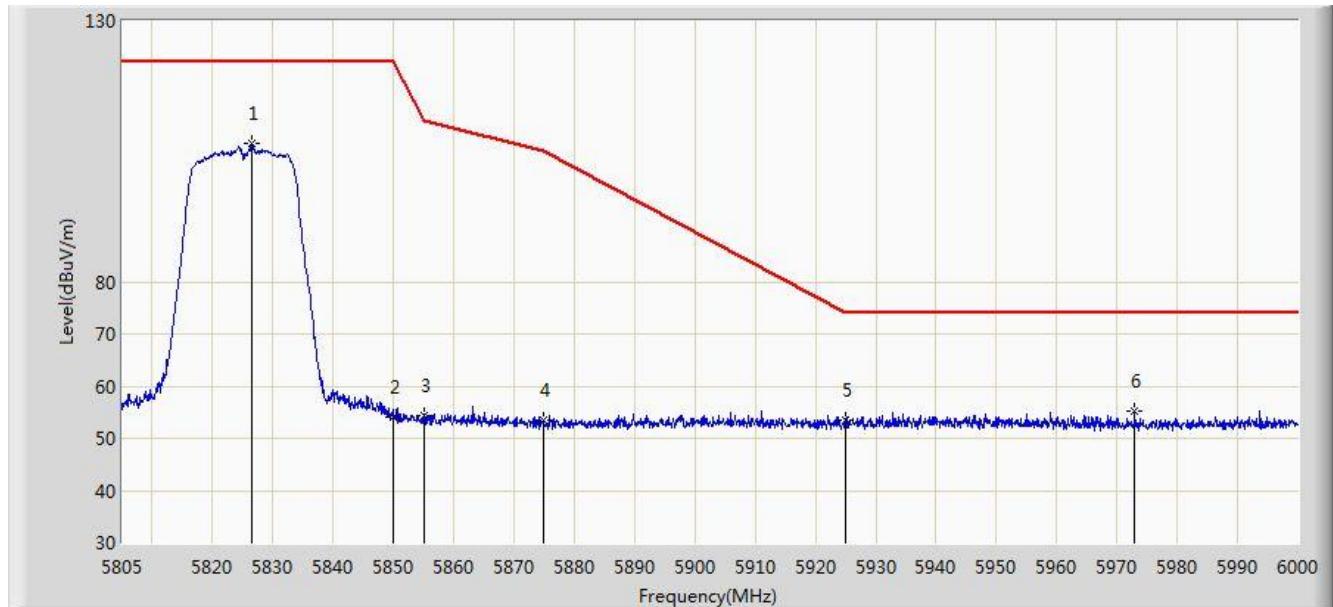


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5632.505	55.330	50.714	-18.670	74.000	4.617	PK
2			5650.000	53.270	48.599	-20.730	74.000	4.671	PK
3			5700.000	53.855	48.977	-51.345	105.200	4.878	PK
4			5720.000	55.245	50.248	-55.555	110.800	4.997	PK
5			5725.000	57.963	52.934	-64.237	122.200	5.029	PK
6	*		5746.520	104.232	99.068	N/A	N/A	5.163	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:39
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	

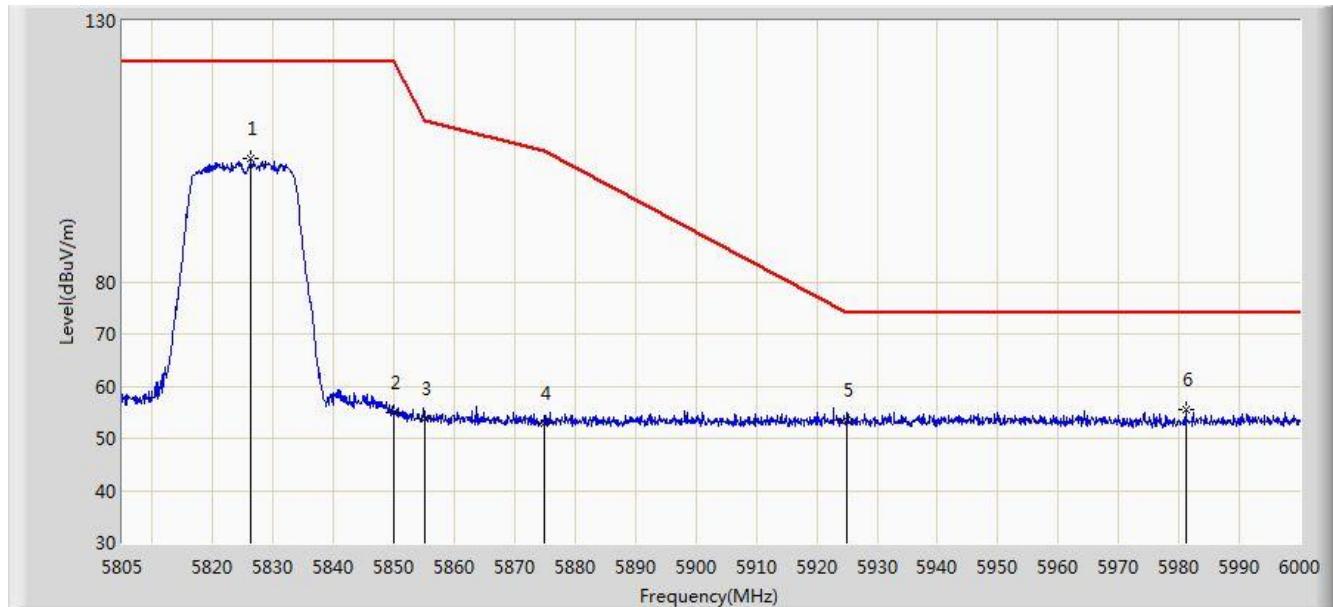


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1	*		5826.547	106.567	100.970	N/A	N/A	5.596	PK
2			5850.000	54.004	48.278	-68.196	122.200	5.726	PK
3			5855.000	54.373	48.627	-56.427	110.800	5.746	PK
4			5875.000	53.412	47.592	-51.788	105.200	5.820	PK
5			5925.000	53.610	47.644	-20.390	74.000	5.967	PK
6			5972.993	55.284	49.218	-18.716	74.000	6.066	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:40
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	

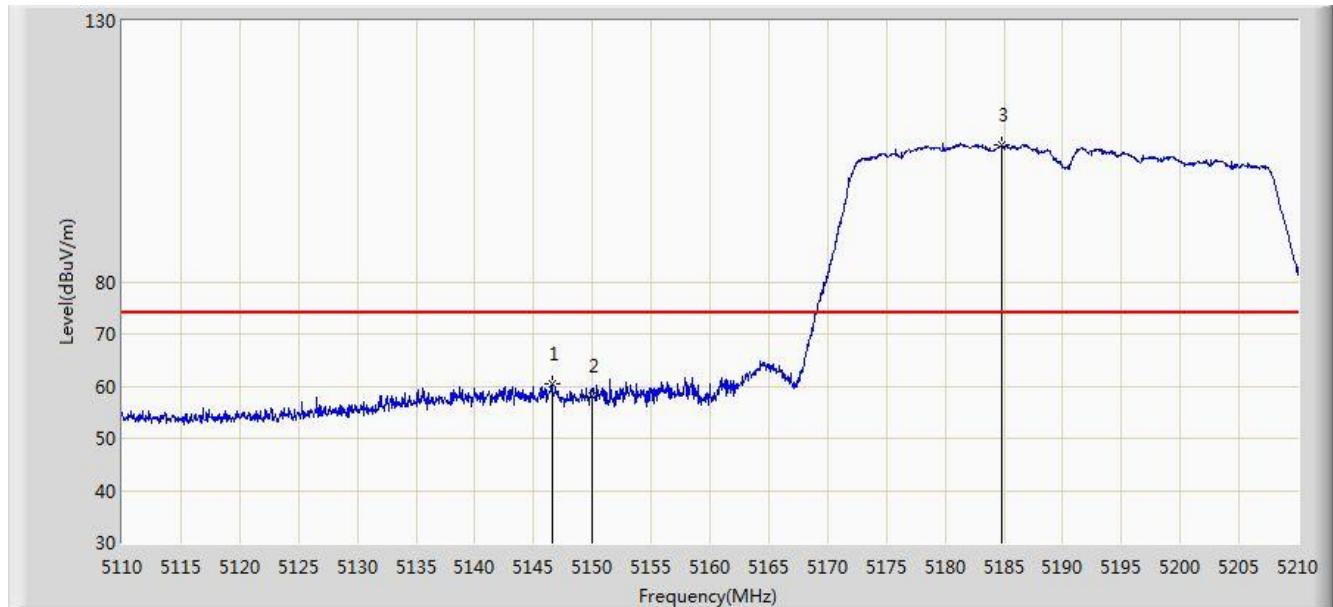


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			5826.353	103.646	98.050	N/A	N/A	5.595	PK
2			5850.000	54.881	49.155	-67.319	122.200	5.726	PK
3			5855.000	53.906	48.160	-56.894	110.800	5.746	PK
4			5875.000	52.781	46.961	-52.419	105.200	5.820	PK
5			5925.000	53.383	47.417	-20.617	74.000	5.967	PK
6	*		5981.085	55.523	49.444	-18.477	74.000	6.079	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:41
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	

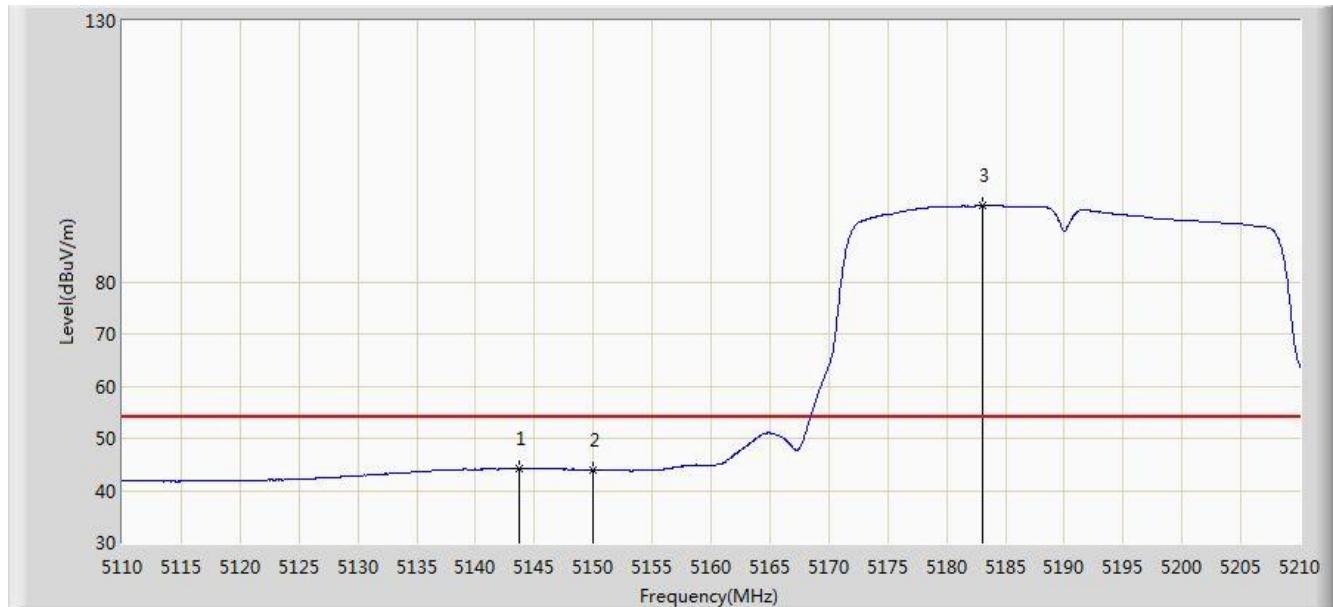


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.550	60.479	56.303	-13.521	74.000	4.176	PK
2			5150.000	57.988	53.819	-16.012	74.000	4.170	PK
3	*	*	5184.750	106.337	102.285	N/A	N/A	4.053	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:41
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	

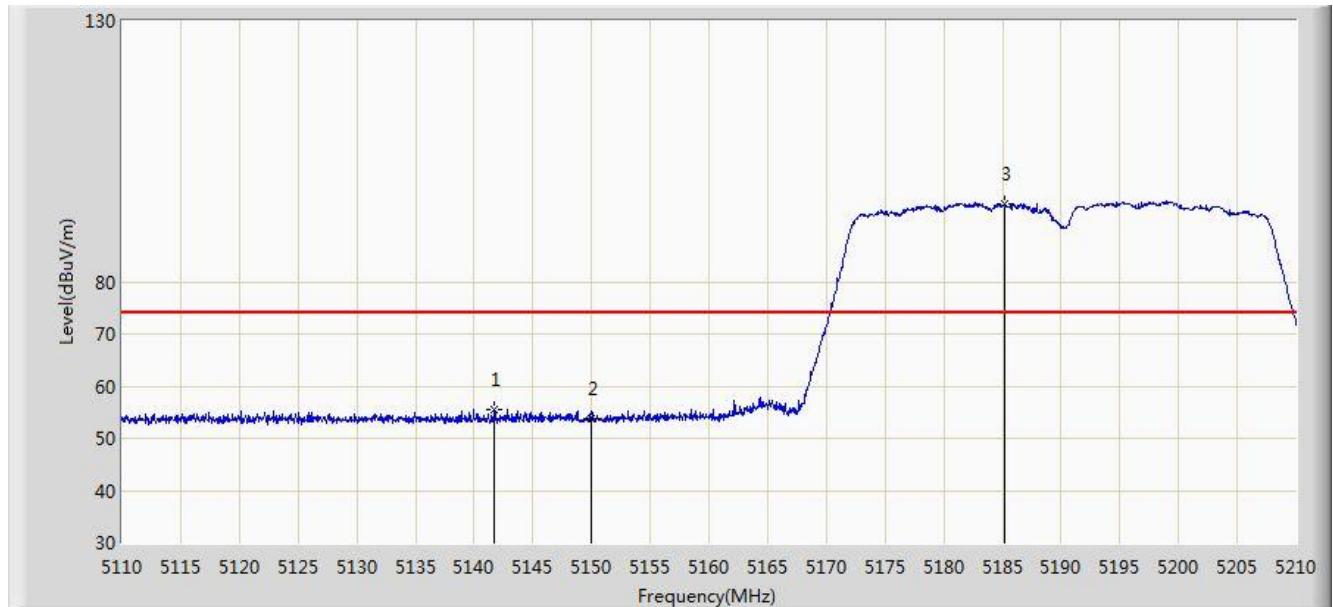


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.700	44.171	39.995	-9.829	54.000	4.175	AV
2			5150.000	43.927	39.758	-10.073	54.000	4.170	AV
3		*	5183.050	94.604	90.546	N/A	N/A	4.057	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:42
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	

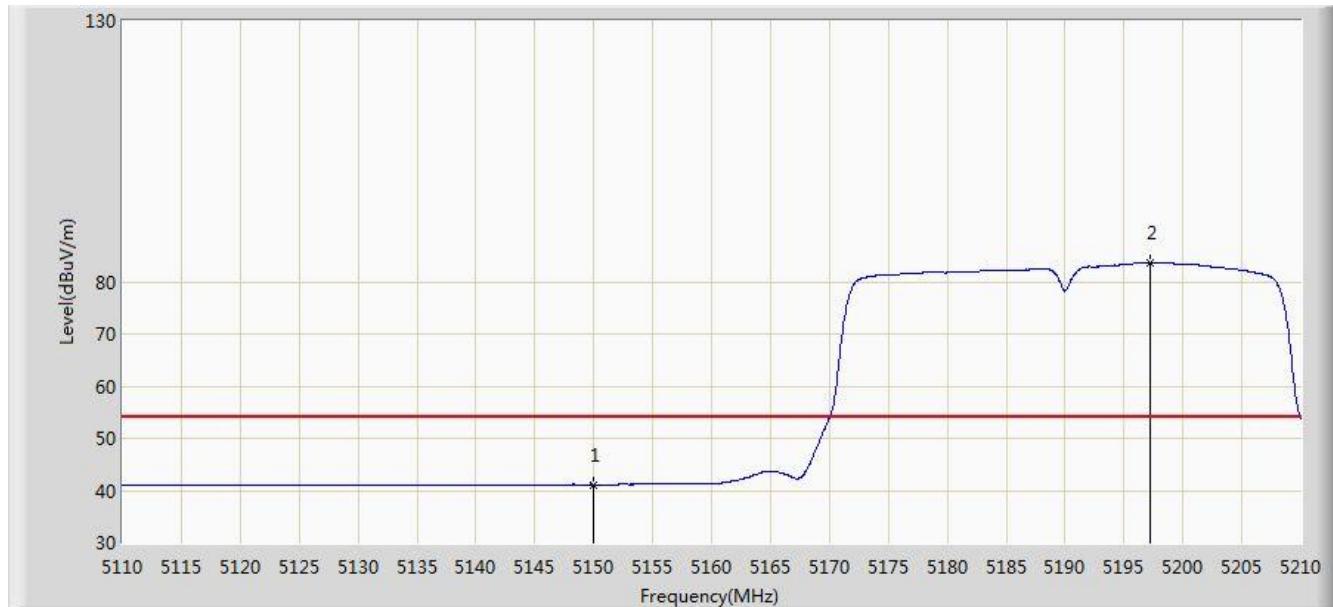


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.700	55.541	51.365	-18.459	74.000	4.176	PK
2			5150.000	53.678	49.509	-20.322	74.000	4.170	PK
3	*	*	5185.150	95.064	91.013	N/A	N/A	4.050	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2016/09/13 - 00:43
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	41.108	36.939	-12.892	54.000	4.170	AV
2		*	5197.200	83.578	79.570	N/A	N/A	4.008	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)