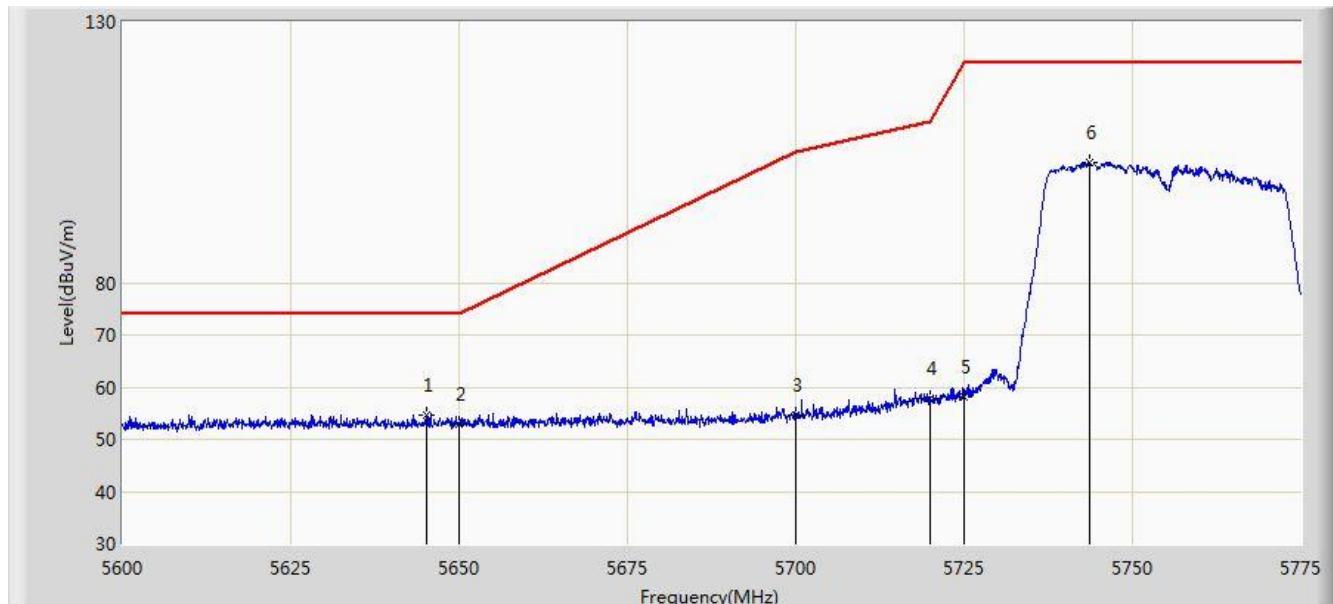


Site: AC1	Time: 2016/09/13 - 00:52
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 2	

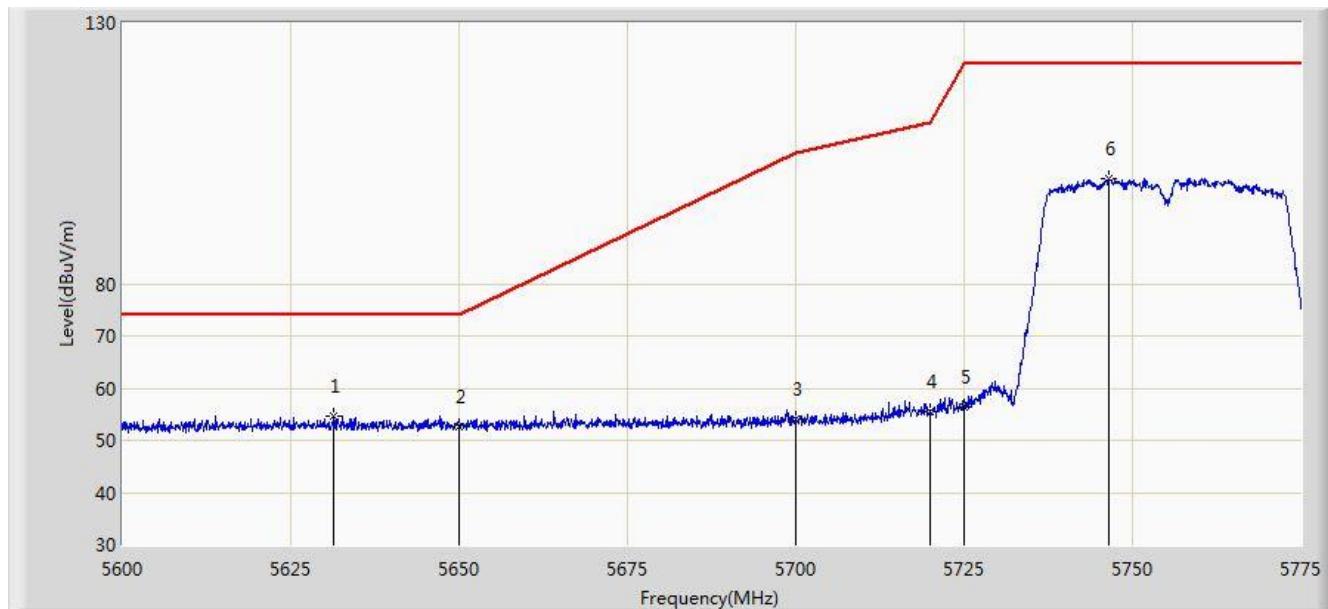


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5645.150	54.759	50.104	-19.241	74.000	4.654	PK
2			5650.000	52.974	48.303	-21.026	74.000	4.671	PK
3			5700.000	54.655	49.777	-50.545	105.200	4.878	PK
4			5720.000	57.854	52.857	-52.946	110.800	4.997	PK
5			5725.000	58.176	53.147	-64.024	122.200	5.029	PK
6	*		5743.587	102.991	97.844	N/A	N/A	5.147	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: 2016/09/13 - 00:53
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 2	

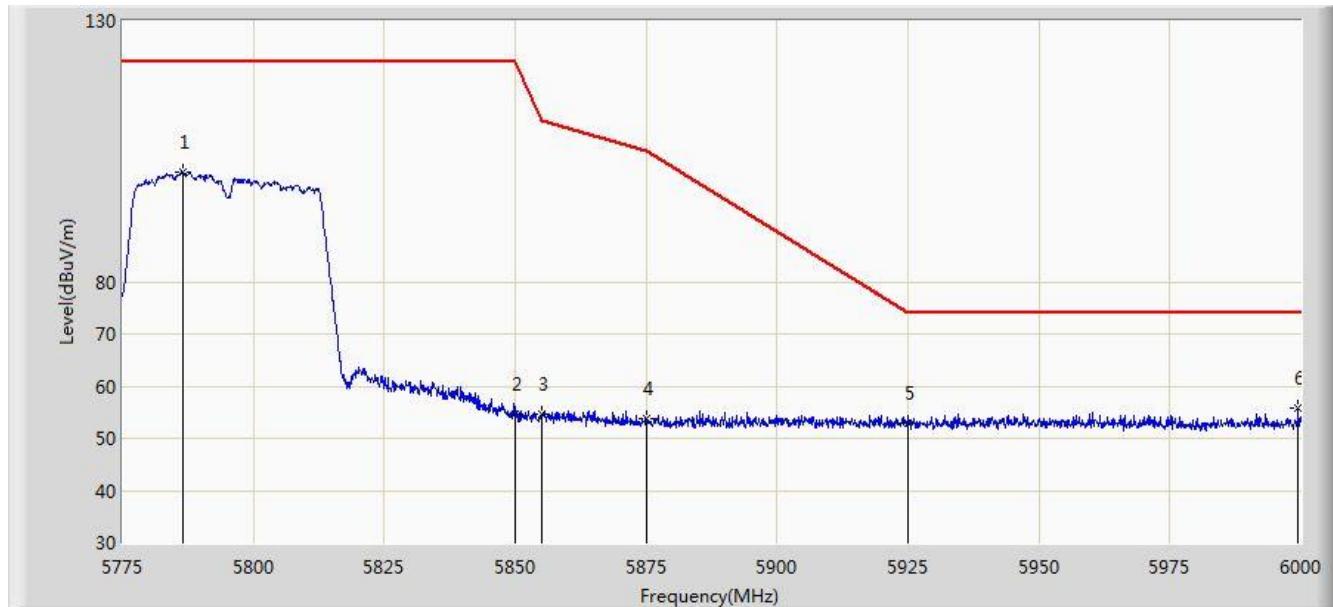


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1		*	5631.413	54.695	50.082	-19.305	74.000	4.613	PK
2			5650.000	52.525	47.854	-21.475	74.000	4.671	PK
3			5700.000	54.187	49.309	-51.013	105.200	4.878	PK
4			5720.000	55.527	50.530	-55.273	110.800	4.997	PK
5			5725.000	56.445	51.416	-65.755	122.200	5.029	PK
6			5746.388	100.174	95.011	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2016/09/13 - 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 802.11n-HT40 at Channel 5795MHz Ant 2	

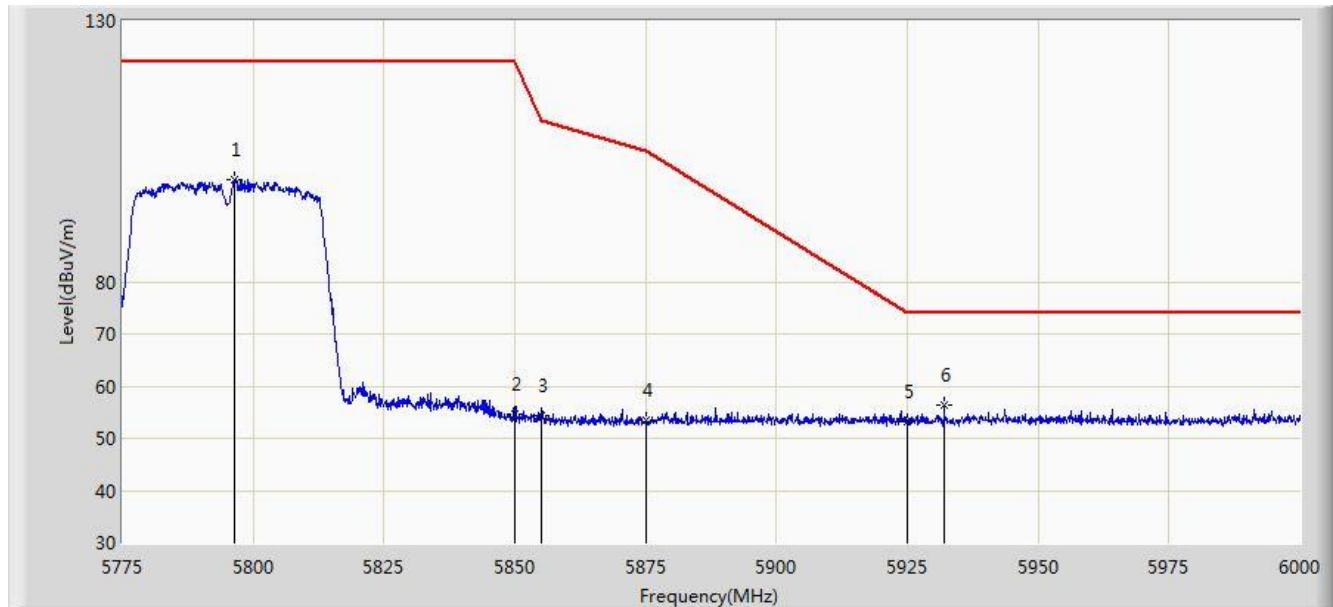


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5786.475	101.027	95.653	N/A	N/A	5.374	PK
2			5850.000	54.736	49.010	-67.464	122.200	5.726	PK
3			5855.000	54.708	48.962	-56.092	110.800	5.746	PK
4			5875.000	53.759	47.939	-51.441	105.200	5.820	PK
5			5925.000	52.829	46.863	-21.171	74.000	5.967	PK
6	*	*	5999.550	55.739	49.628	-18.261	74.000	6.110	PK

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

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

Site: AC1	Time: 2016/09/13 - 00:54
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 2	

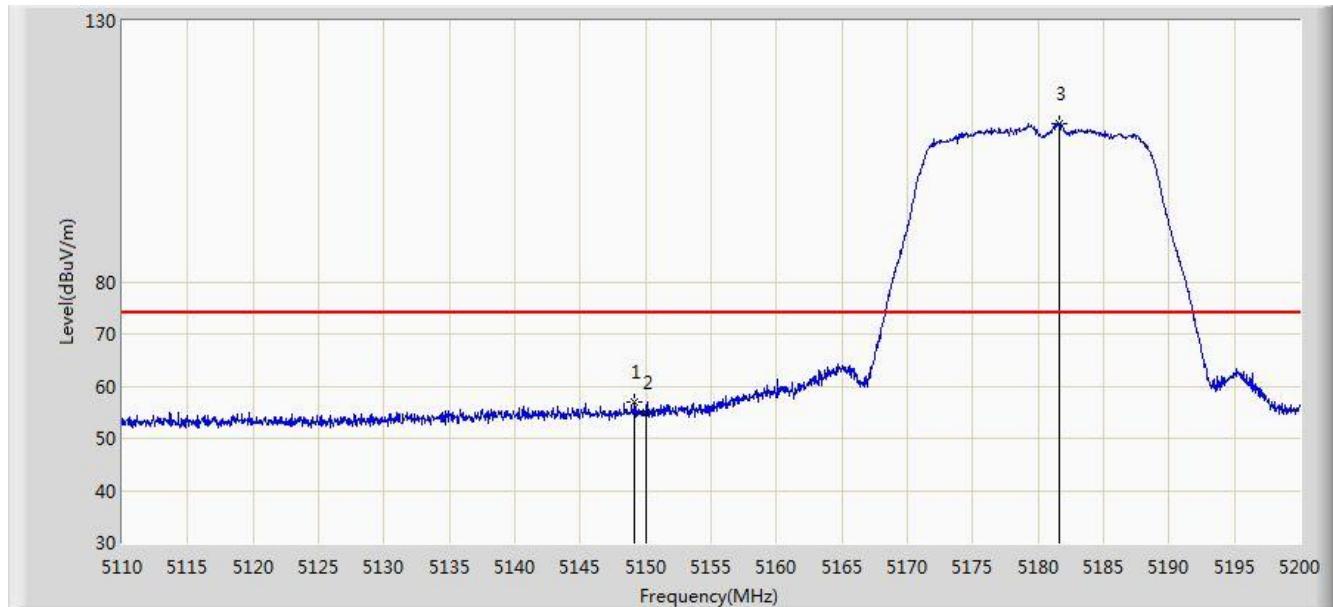


No	Flag	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Margin (dB)	Limit (dBm)	Factor (dB)	Type
1			5796.487	99.428	94.002	N/A	N/A	5.425	PK
2			5850.000	54.594	48.868	-67.606	122.200	5.726	PK
3			5855.000	54.231	48.485	-56.569	110.800	5.746	PK
4			5875.000	53.523	47.703	-51.677	105.200	5.820	PK
5			5925.000	53.181	47.215	-20.819	74.000	5.967	PK
6	*		5932.050	56.235	50.251	-17.765	74.000	5.984	PK

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

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

Site: AC1	Time: 2016/09/13 - 00:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 2	

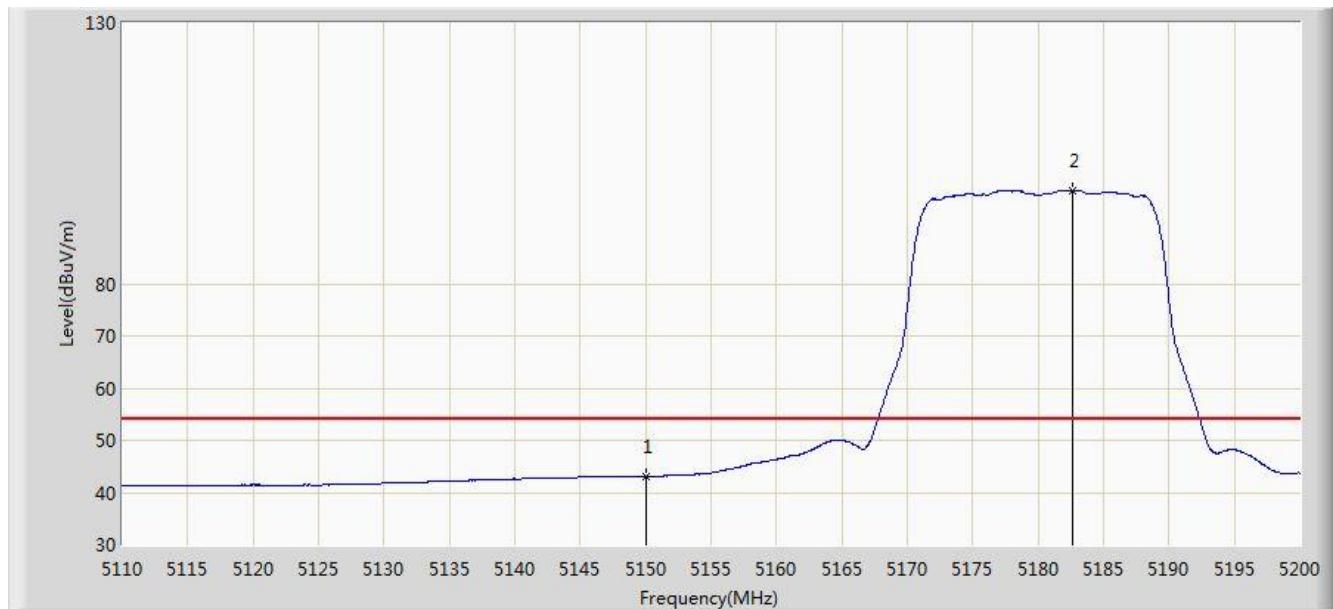


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.150	56.866	52.694	-17.134	74.000	4.172	PK
2			5150.000	55.049	50.880	-18.951	74.000	4.170	PK
3	*		5181.640	110.369	106.306	N/A	N/A	4.063	PK

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

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

Site: AC1	Time: 2016/09/13 - 00:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 2	

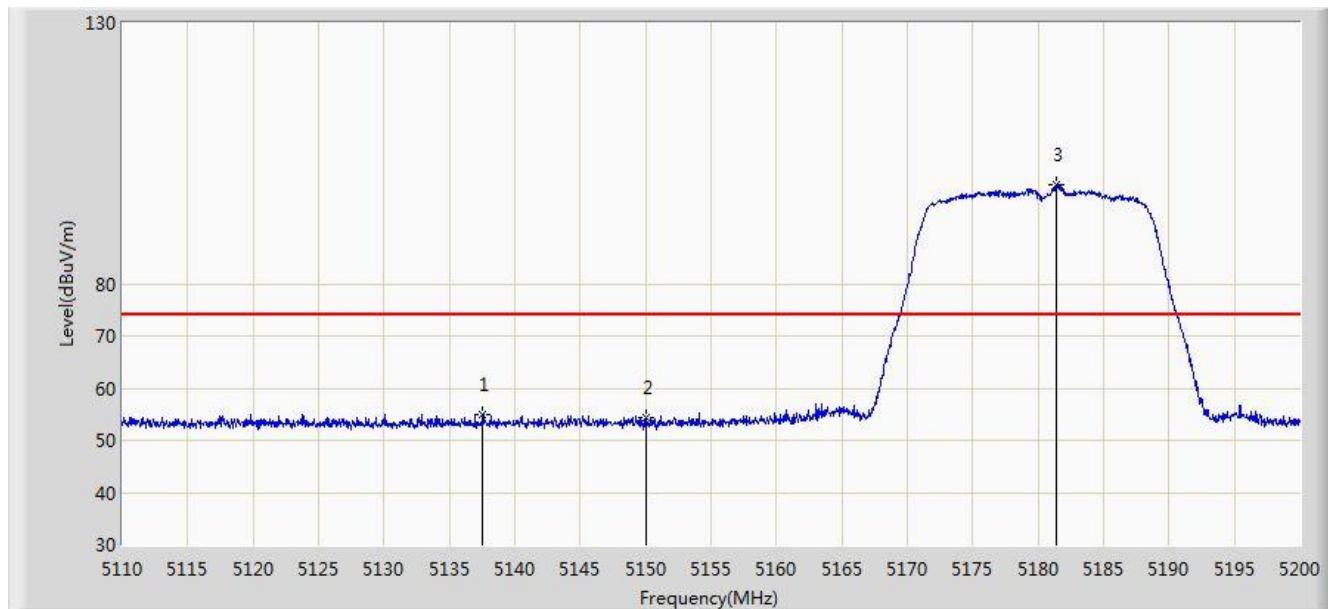


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	43.162	38.993	-10.838	54.000	4.170	AV
2		*	5182.630	97.910	93.850	N/A	N/A	4.060	AV

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

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

Site: AC1	Time: 2016/09/13 - 00:57
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 2	

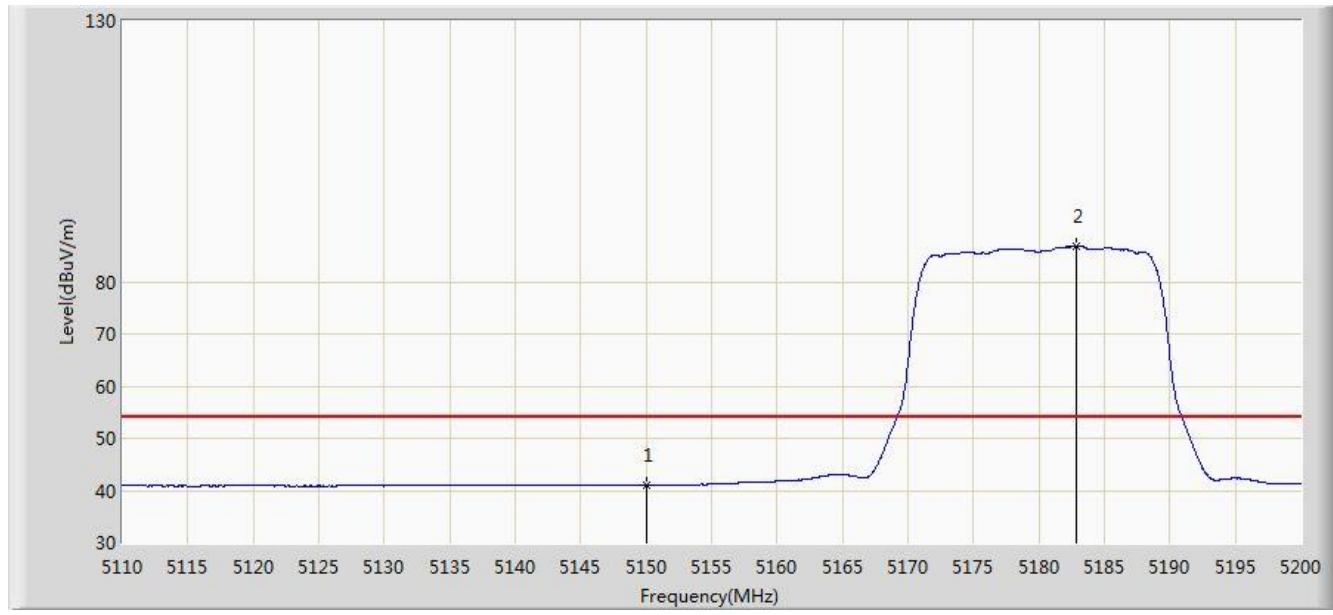


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5137.540	54.788	50.613	-19.212	74.000	4.175	PK
2			5150.000	54.271	50.102	-19.729	74.000	4.170	PK
3	*		5181.415	98.952	94.888	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2016/09/13 - 00:57
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 2	

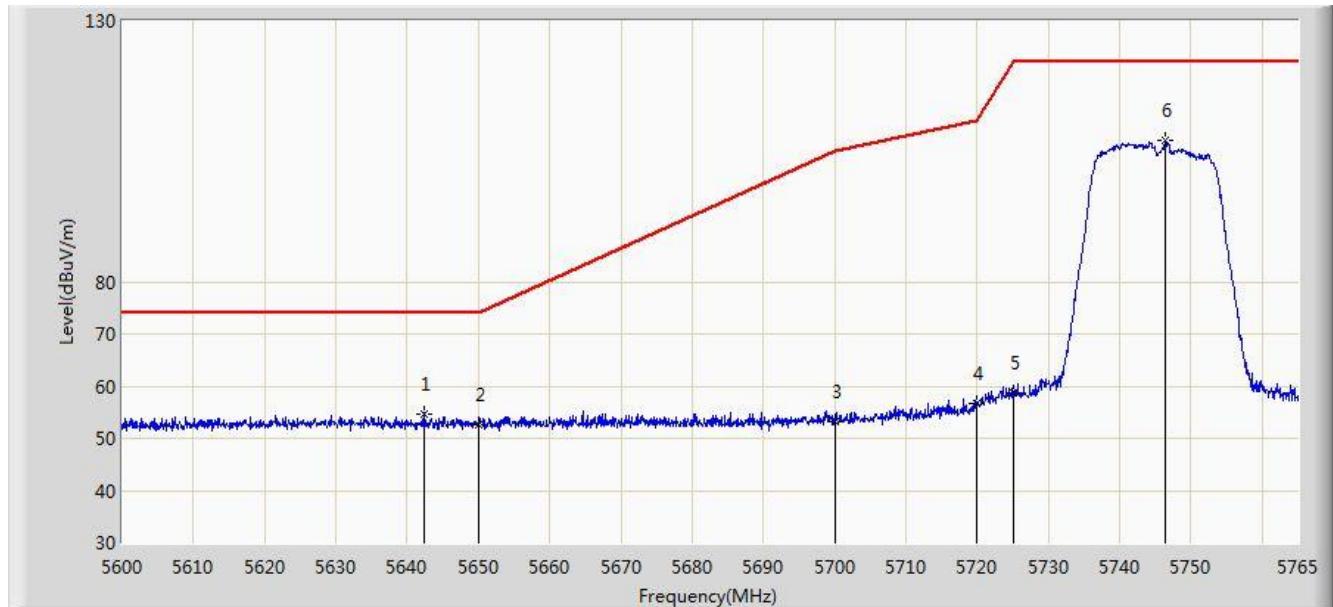


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	41.050	36.881	-12.950	54.000	4.170	AV
2	*		5182.855	86.728	82.669	N/A	N/A	4.059	AV

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

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

Site: AC1	Time: 2016/09/13 - 01:05
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 2	

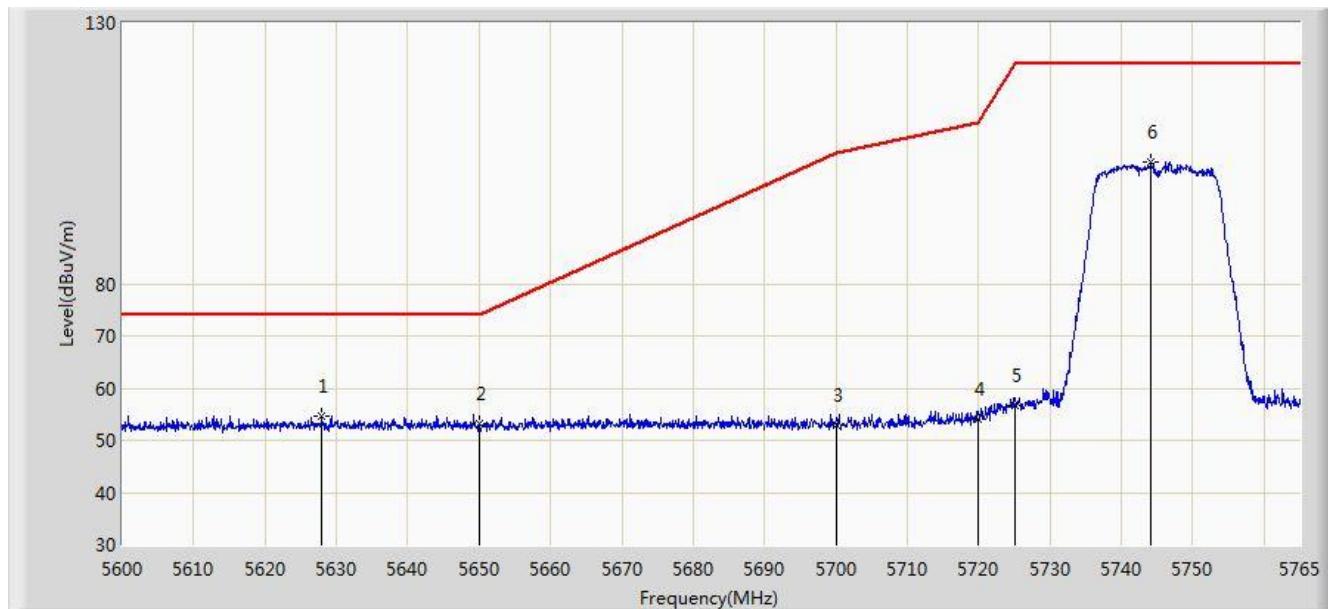


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5642.487	54.781	50.135	-19.219	74.000	4.646	PK
2			5650.000	52.567	47.896	-21.433	74.000	4.671	PK
3			5700.000	53.161	48.283	-52.039	105.200	4.878	PK
4			5720.000	56.704	51.707	-54.096	110.800	4.997	PK
5			5725.000	58.619	53.590	-63.581	122.200	5.029	PK
6	*		5746.437	106.990	101.827	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2016/09/13 - 01:06
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 2	

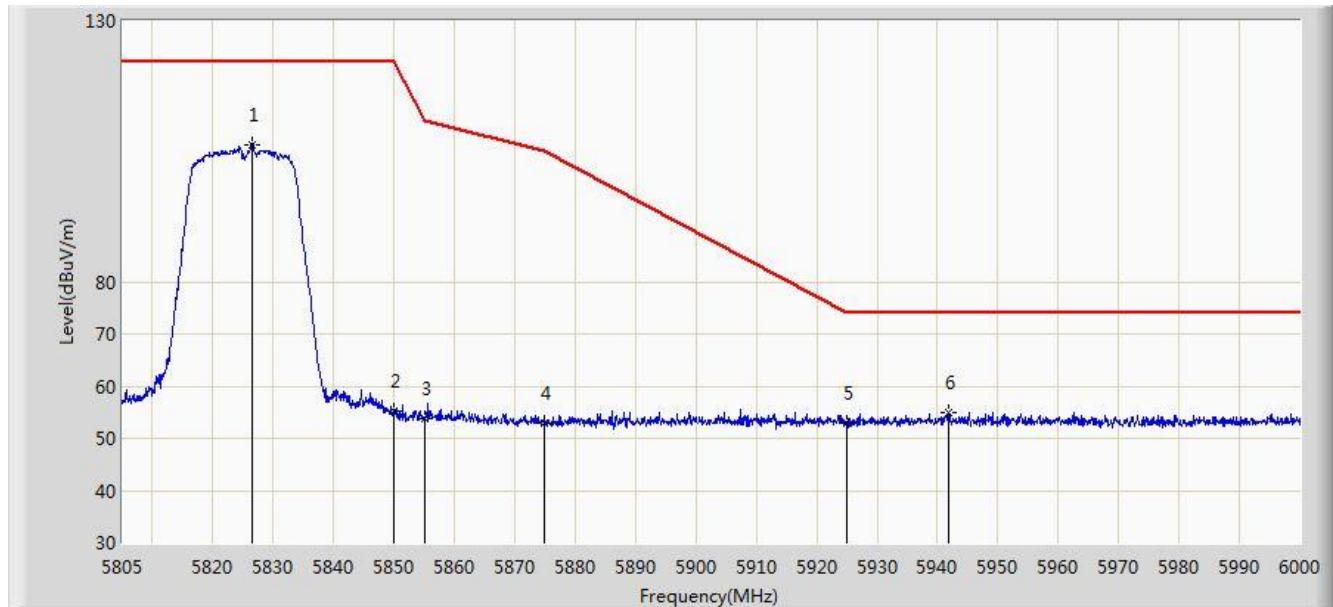


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5627.967	54.709	50.106	-19.291	74.000	4.604	PK
2			5650.000	53.066	48.395	-20.934	74.000	4.671	PK
3			5700.000	52.783	47.905	-52.417	105.200	4.878	PK
4			5720.000	53.949	48.952	-56.851	110.800	4.997	PK
5			5725.000	56.538	51.509	-65.662	122.200	5.029	PK
6	*		5744.210	103.330	98.180	N/A	N/A	5.151	PK

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

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

Site: AC1	Time: 2016/09/13 - 01:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 2	

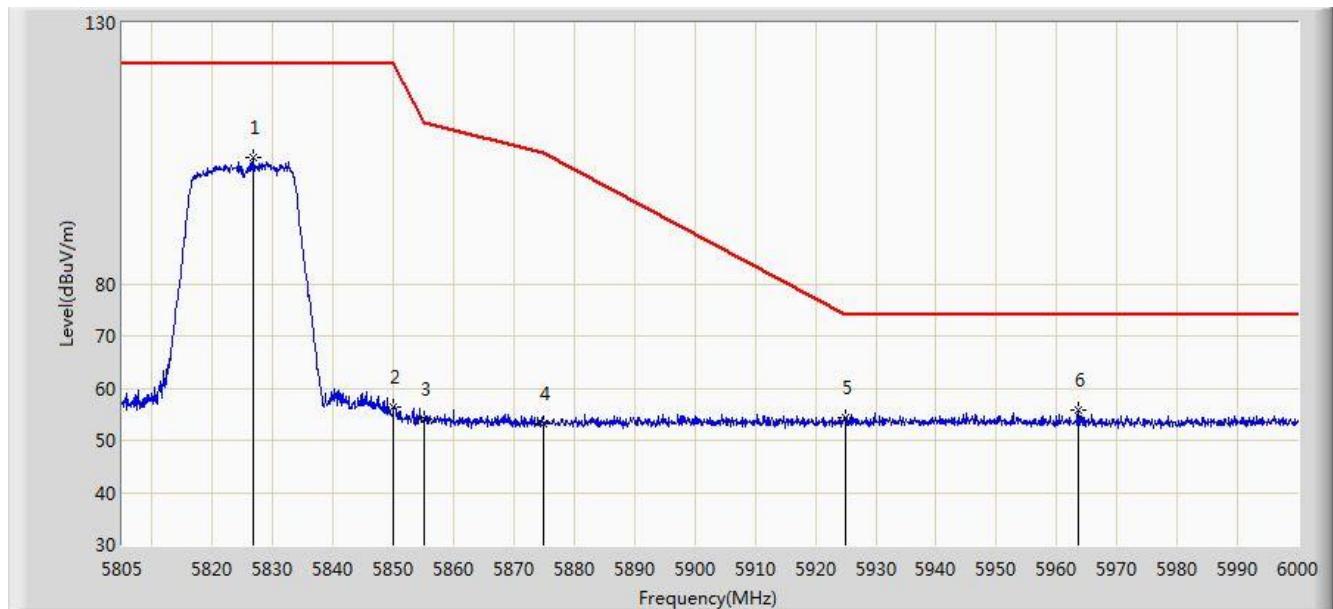


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1	*		5826.450	106.331	100.735	N/A	N/A	5.596	PK
2			5850.000	55.285	49.559	-66.915	122.200	5.726	PK
3			5855.000	53.639	47.893	-57.161	110.800	5.746	PK
4			5875.000	52.988	47.168	-52.212	105.200	5.820	PK
5			5925.000	52.912	46.946	-21.088	74.000	5.967	PK
6			5941.792	54.994	48.986	-19.006	74.000	6.007	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: 2016/09/13 - 01:08
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 2	

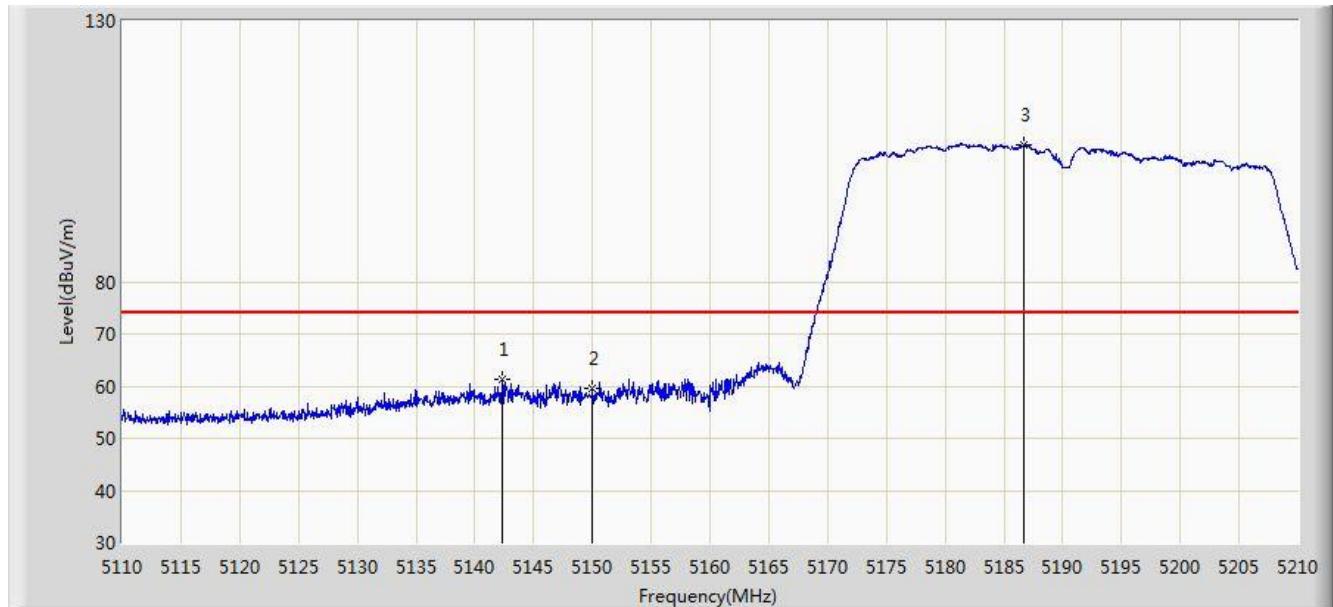


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1	*		5826.743	104.273	98.675	N/A	N/A	5.599	PK
2			5850.000	56.258	50.532	-65.942	122.200	5.726	PK
3			5855.000	54.102	48.356	-56.698	110.800	5.746	PK
4			5875.000	53.059	47.239	-52.141	105.200	5.820	PK
5			5925.000	54.303	48.337	-19.697	74.000	5.967	PK
6			5963.535	55.742	49.692	-18.258	74.000	6.050	PK

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

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

Site: AC1	Time: 2016/09/13 - 01:09
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 2	

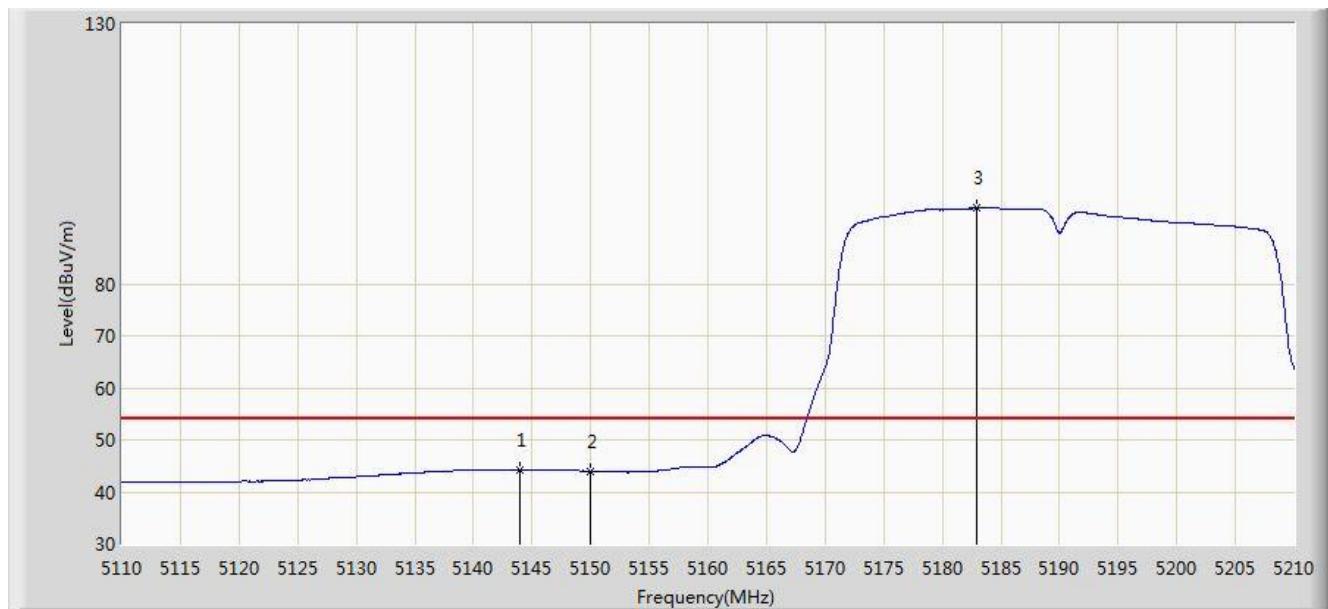


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.350	61.214	57.038	-12.786	74.000	4.175	PK
2			5150.000	59.453	55.284	-14.547	74.000	4.170	PK
3	*	*	5186.650	106.258	102.213	N/A	N/A	4.045	PK

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

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

Site: AC1	Time: 2016/09/13 - 01:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 2	

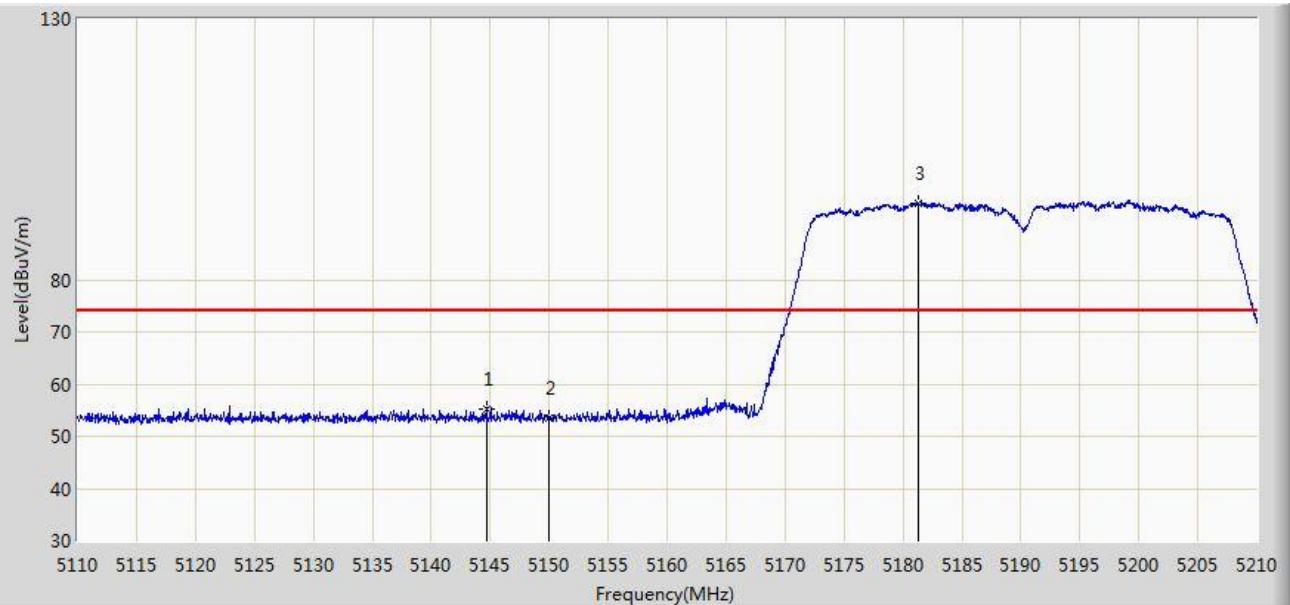


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.000	44.296	40.987	-9.704	54.000	3.309	AV
2			5150.000	43.969	40.660	-10.031	54.000	3.309	AV
3	*	*	5182.900	94.564	91.294	N/A	N/A	3.270	AV

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

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

Site: AC1	Time: 2016/09/13 - 01:10
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 802.11ac-VHT40 at Channel 5190MHz Ant 2	

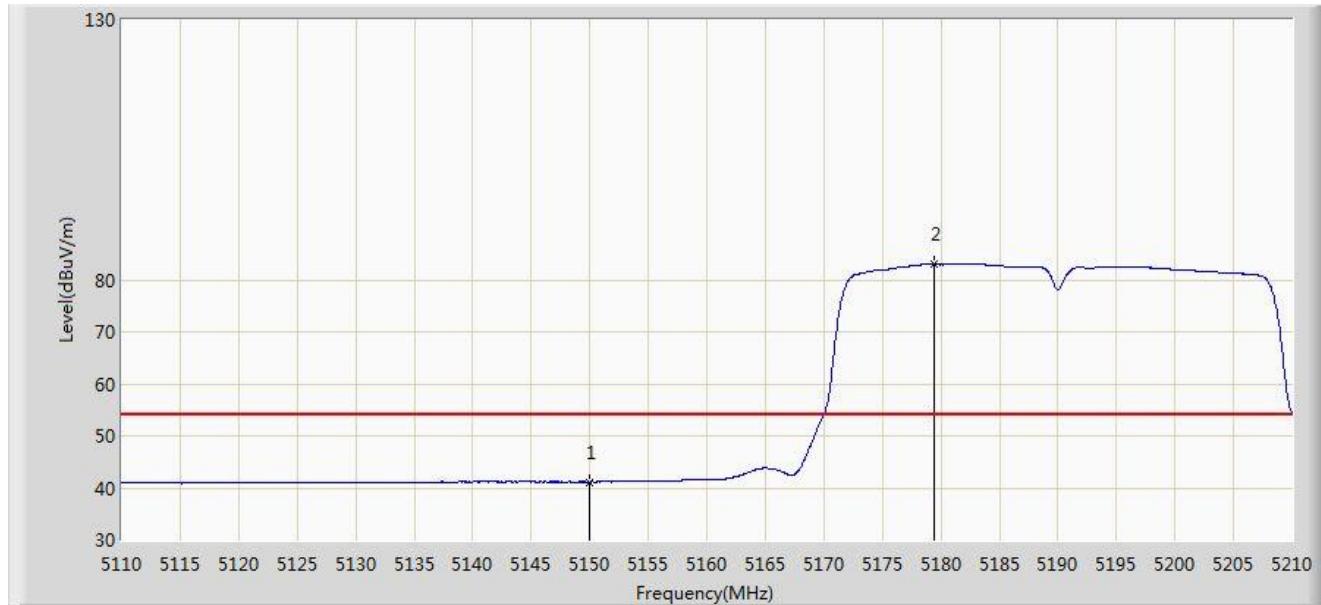


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.700	55.359	51.183	-18.641	74.000	4.176	PK
2			5150.000	53.470	49.301	-20.530	74.000	4.170	PK
3		*	5181.300	94.765	90.701	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2016/09/13 - 01:10
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 802.11ac-VHT40 at Channel 5190MHz Ant 2	

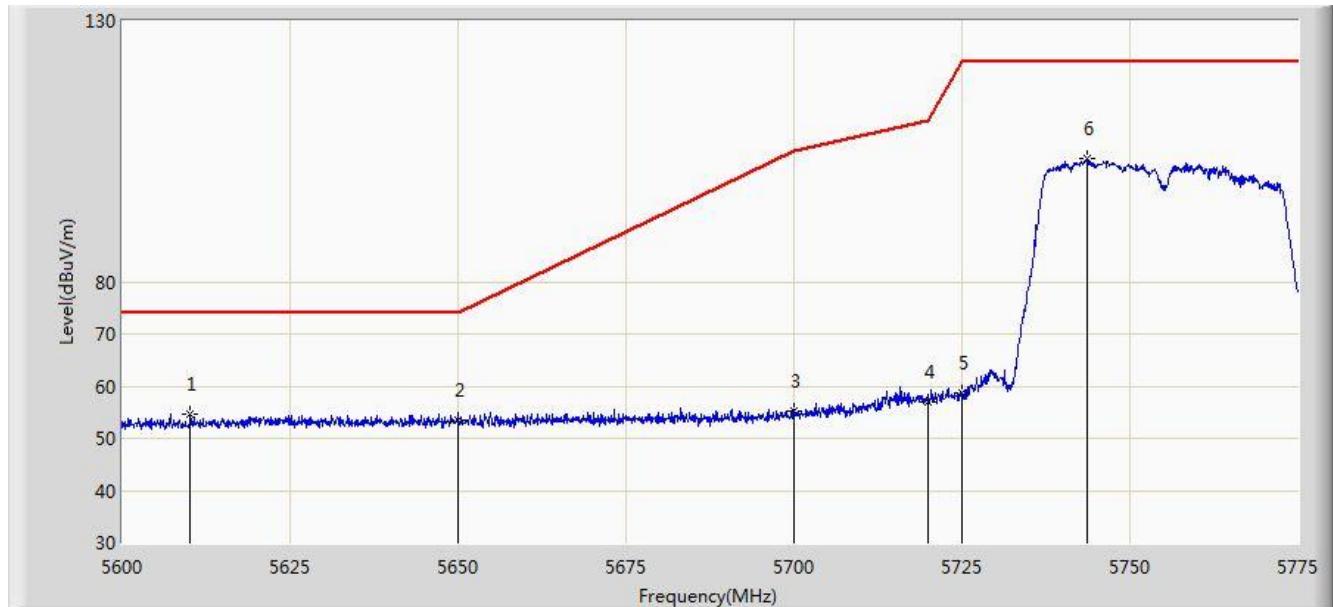


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	41.152	36.983	-12.848	54.000	4.170	AV
2	*		5179.450	82.961	78.890	N/A	N/A	4.071	AV

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

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

Site: AC1	Time: 2016/09/13 - 01:19
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 2	

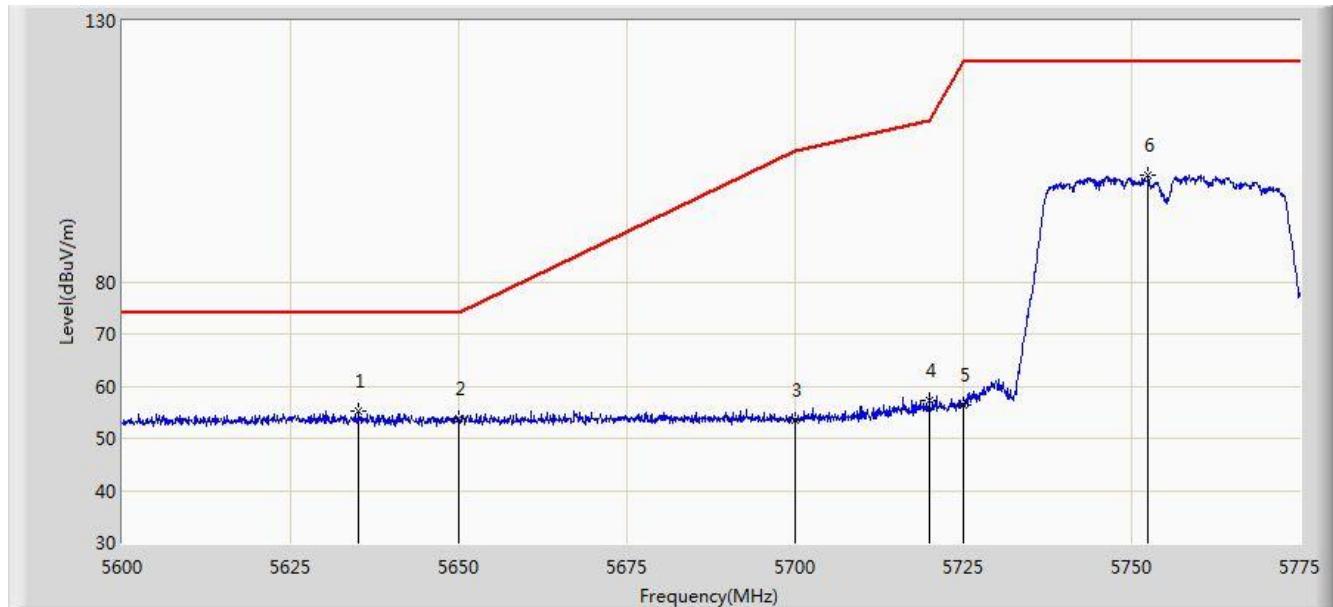


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5610.150	54.770	50.218	-19.230	74.000	4.552	PK
2			5650.000	53.559	48.888	-20.441	74.000	4.671	PK
3			5700.000	55.230	50.352	-49.970	105.200	4.878	PK
4			5720.000	56.957	51.960	-53.843	110.800	4.997	PK
5			5725.000	58.762	53.733	-63.438	122.200	5.029	PK
6	*		5743.675	103.530	98.383	N/A	N/A	5.147	PK

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

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

Site: AC1	Time: 2016/09/13 - 01:20
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 2	

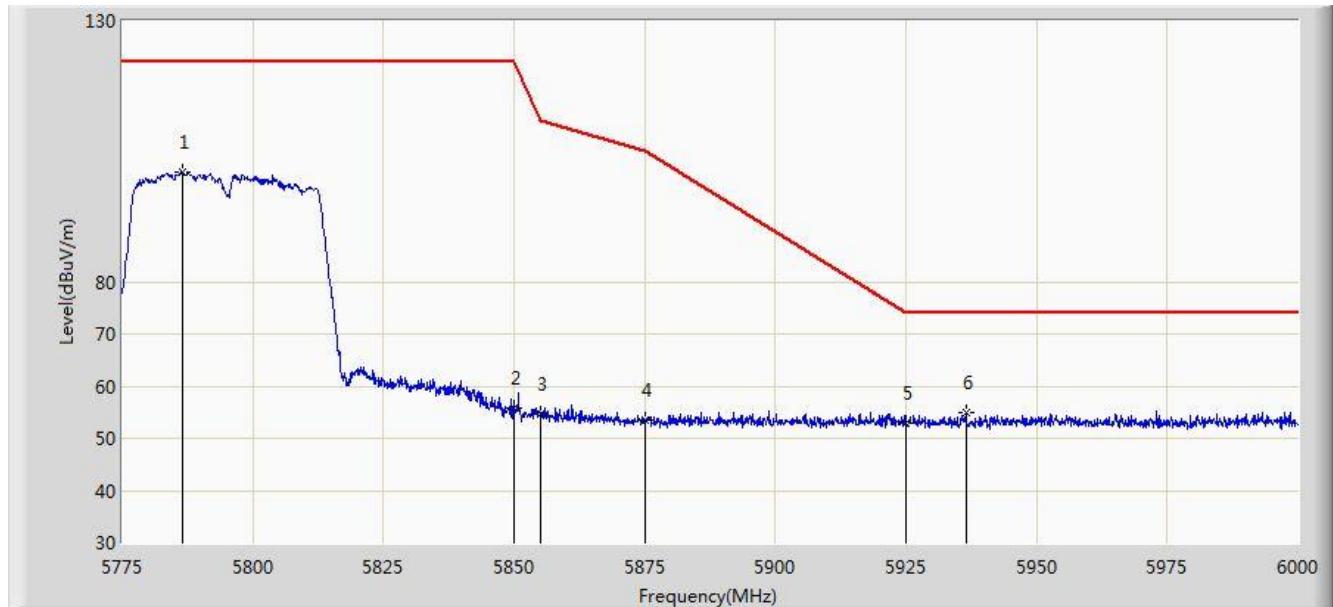


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1		*	5635.087	55.143	50.519	-18.857	74.000	4.624	PK
2			5650.000	53.663	48.992	-20.337	74.000	4.671	PK
3			5700.000	53.613	48.735	-51.587	105.200	4.878	PK
4			5720.000	57.127	52.130	-53.673	110.800	4.997	PK
5			5725.000	56.264	51.235	-65.936	122.200	5.029	PK
6			5752.513	100.455	95.257	N/A	N/A	5.198	PK

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

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

Site: AC1	Time: 2016/09/13 - 01:21
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 2	

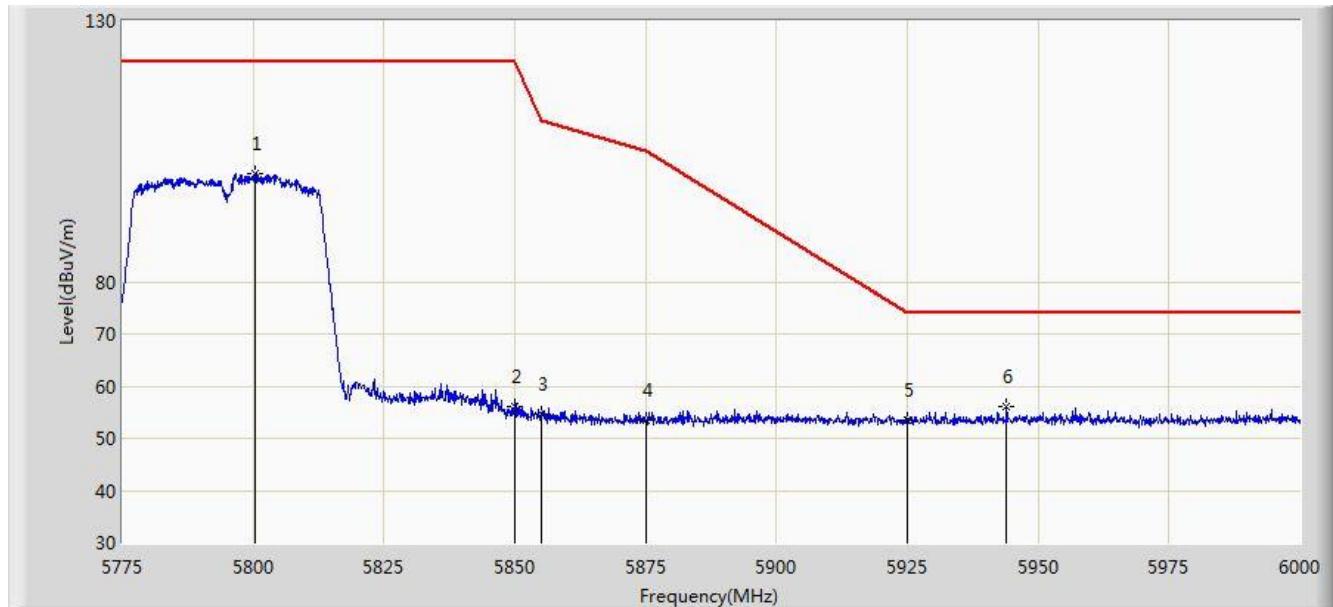


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5786.475	101.014	95.640	N/A	N/A	5.374	PK
2			5850.000	55.748	50.022	-66.452	122.200	5.726	PK
3			5855.000	54.627	48.881	-56.173	110.800	5.746	PK
4			5875.000	53.406	47.586	-51.794	105.200	5.820	PK
5			5925.000	53.012	47.046	-20.988	74.000	5.967	PK
6	*		5936.437	55.049	49.054	-18.951	74.000	5.995	PK

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

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

Site: AC1	Time: 2016/09/13 - 01:22
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 802.11ac-VHT40 at Channel 5795MHz Ant 2	

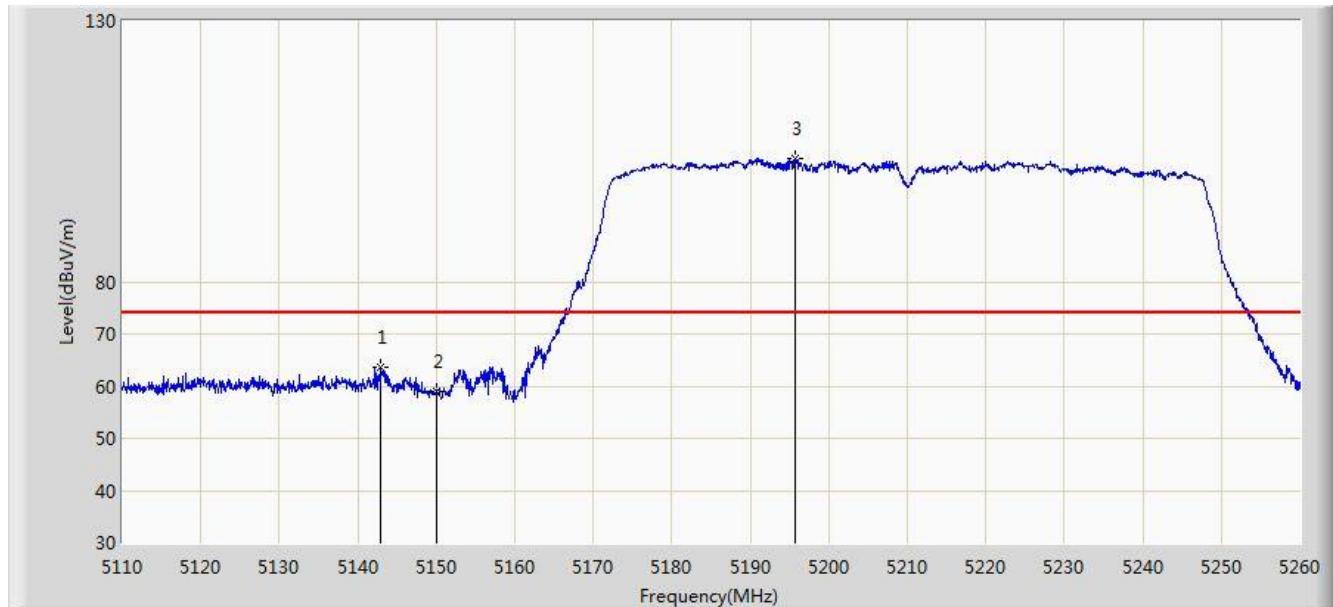


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5800.312	100.811	95.364	N/A	N/A	5.447	PK
2			5850.000	56.143	50.417	-66.057	122.200	5.726	PK
3			5855.000	54.577	48.831	-56.223	110.800	5.746	PK
4			5875.000	53.526	47.706	-51.674	105.200	5.820	PK
5			5925.000	53.500	47.534	-20.500	74.000	5.967	PK
6	*		5943.975	56.132	50.119	-17.868	74.000	6.012	PK

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

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

Site: AC1	Time: 2016/09/13 - 01:23
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 2	

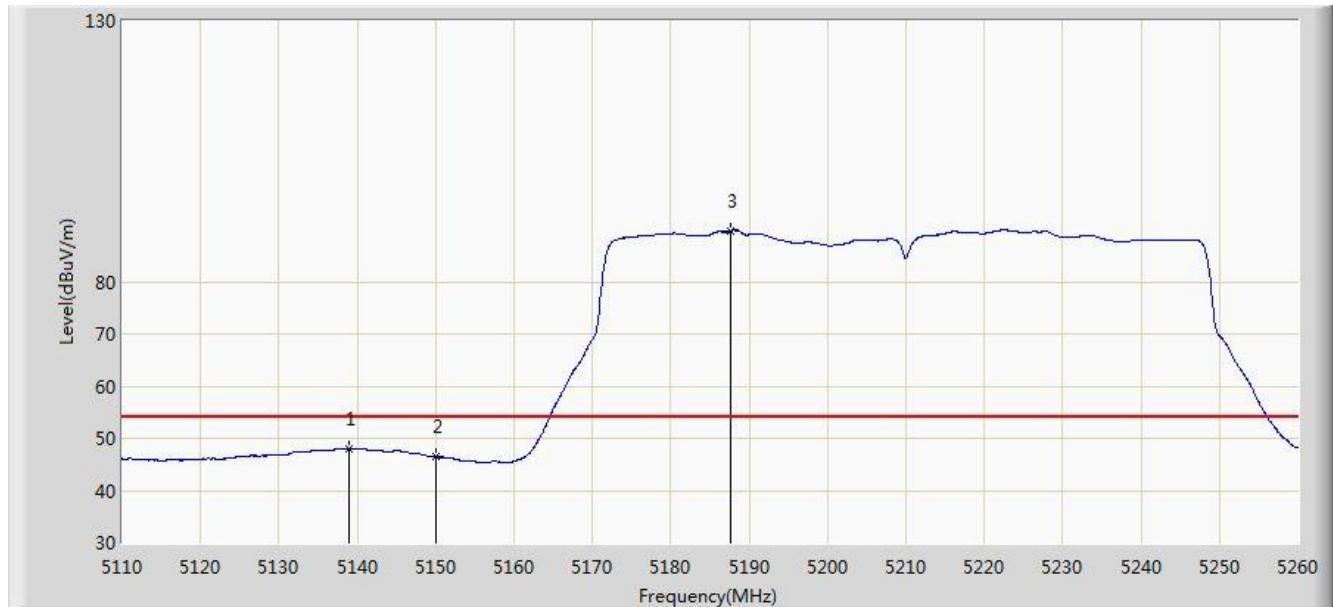


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.925	63.748	59.572	-10.252	74.000	4.176	PK
2			5150.000	58.965	54.796	-15.035	74.000	4.170	PK
3	*	*	5195.725	103.748	99.735	N/A	N/A	4.013	PK

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

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

Site: AC1	Time: 2016/09/13 - 01:24
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-VHT80 at Channel 5210MHz Ant 2	

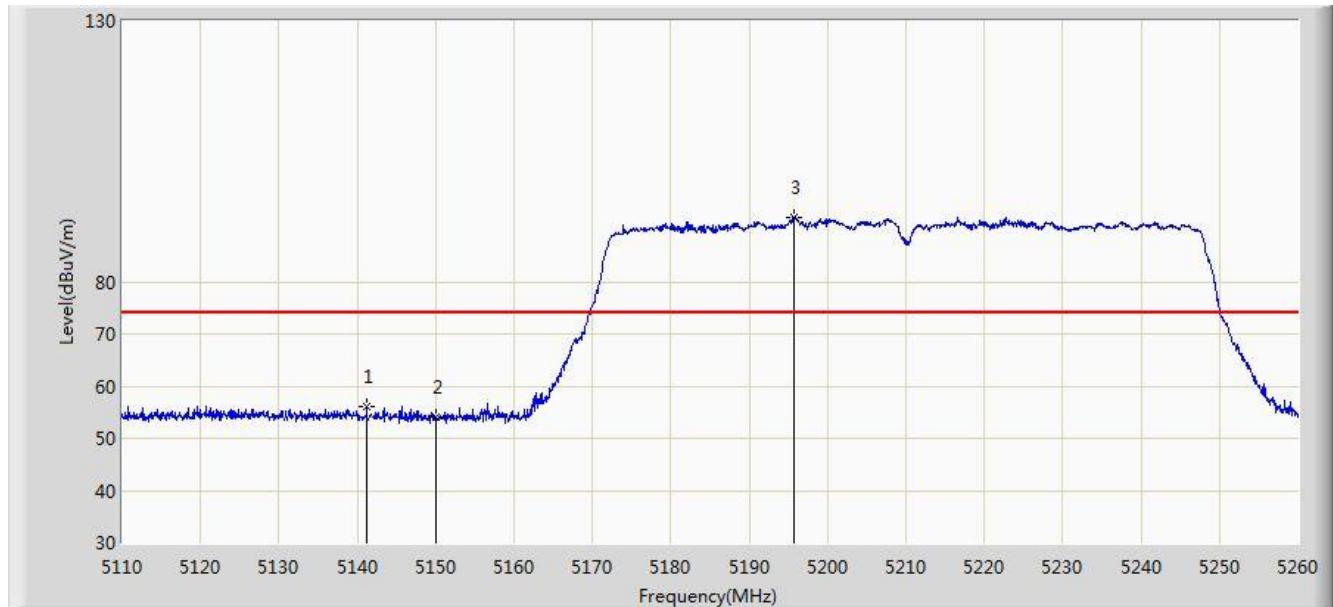


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5138.875	48.006	43.831	-5.994	54.000	4.175	AV
2			5150.000	46.420	42.251	-7.580	54.000	4.170	AV
3		*	5187.700	89.807	85.765	N/A	N/A	4.042	AV

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

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

Site: AC1	Time: 2016/09/13 - 01:25
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 2	

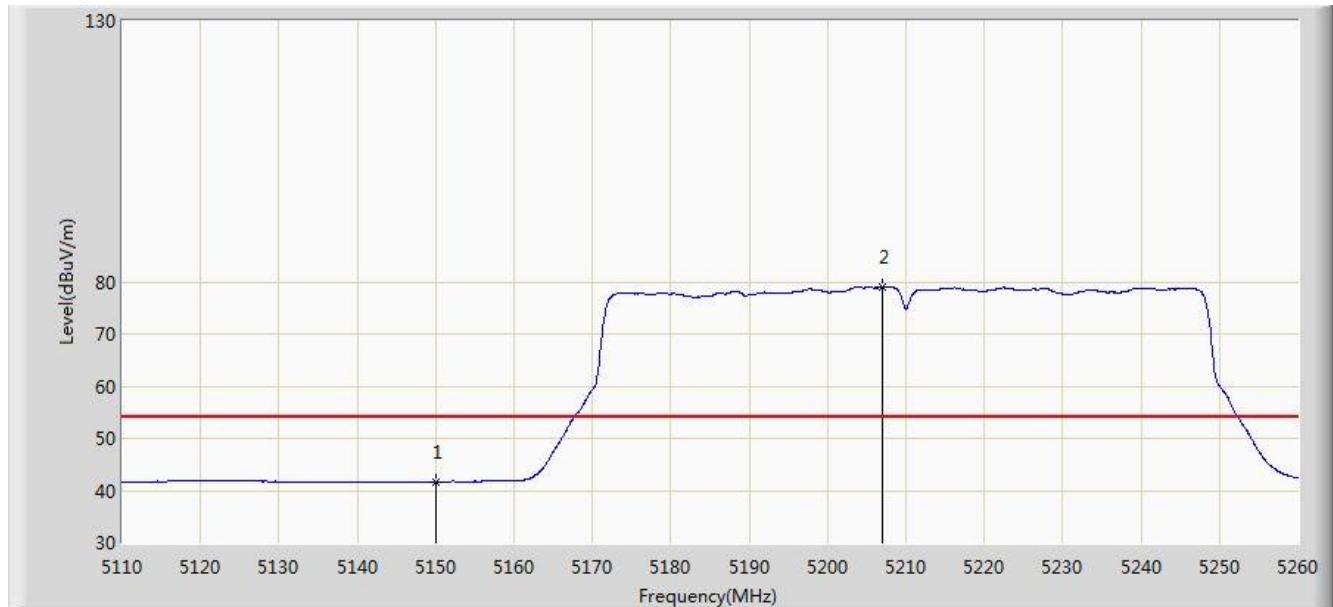


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.200	56.145	51.969	-17.855	74.000	4.175	PK
2			5150.000	54.014	49.845	-19.986	74.000	4.170	PK
3	*		5195.725	92.376	88.363	N/A	N/A	4.013	PK

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

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

Site: AC1	Time: 2016/09/13 - 01:25
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 2	

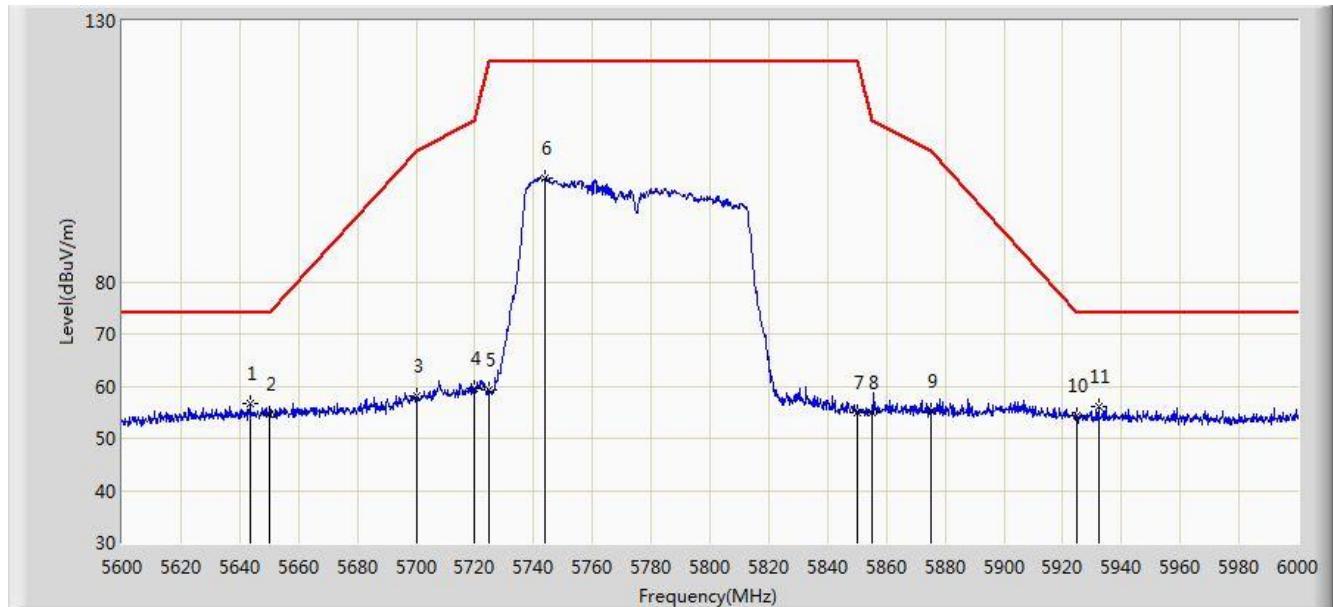


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	41.563	37.394	-12.437	54.000	4.170	AV
2	*		5206.975	78.922	74.944	N/A	N/A	3.977	AV

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

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

Site: AC1	Time: 2016/09/13 - 01:33
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 2	

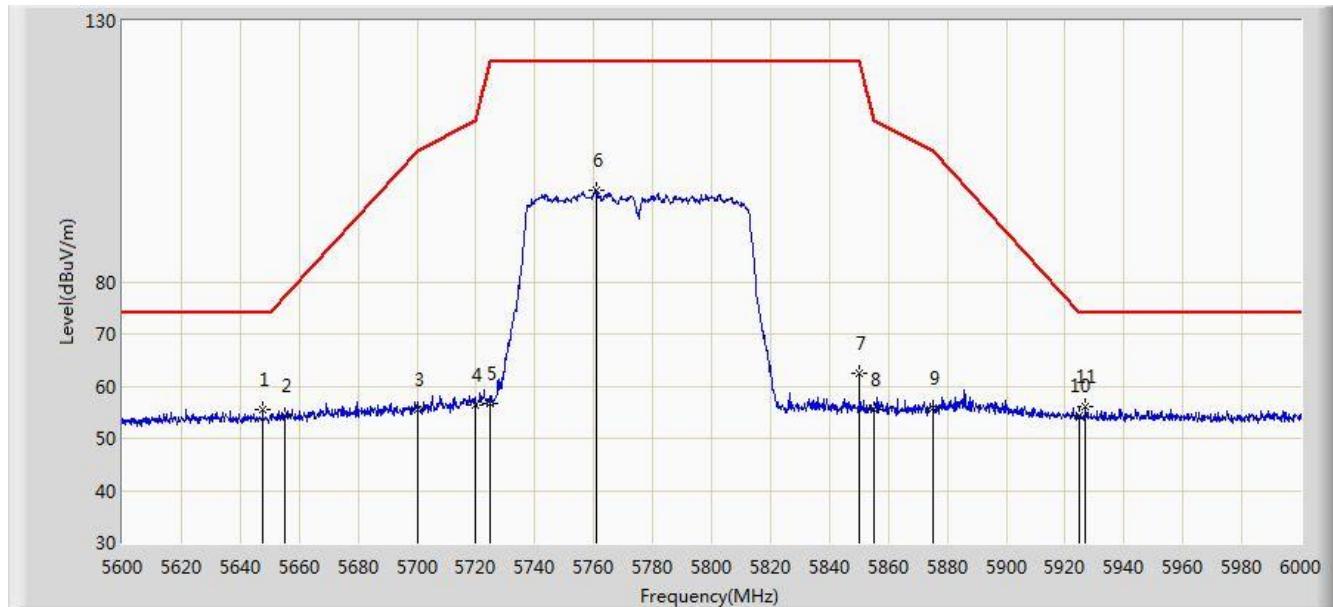


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1	*		5643.400	56.558	51.909	-17.442	74.000	4.649	PK
2			5650.000	54.729	50.058	-19.271	74.000	4.671	PK
3			5700.000	58.054	53.176	-47.146	105.200	4.878	PK
4			5720.000	59.643	54.646	-51.157	110.800	4.997	PK
5			5725.000	59.321	54.292	-62.879	122.200	5.029	PK
6			5743.800	99.987	94.839	N/A	N/A	5.148	PK
7			5850.000	54.945	49.219	-67.255	122.200	5.726	PK
8			5855.000	55.000	49.254	-55.800	110.800	5.746	PK
9			5875.000	55.078	49.258	-50.122	105.200	5.820	PK
10			5925.000	54.317	48.351	-19.683	74.000	5.967	PK
11			5932.200	55.953	49.969	-18.047	74.000	5.984	PK

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

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

Site: AC1	Time: 2016/09/13 - 01:34
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 2	

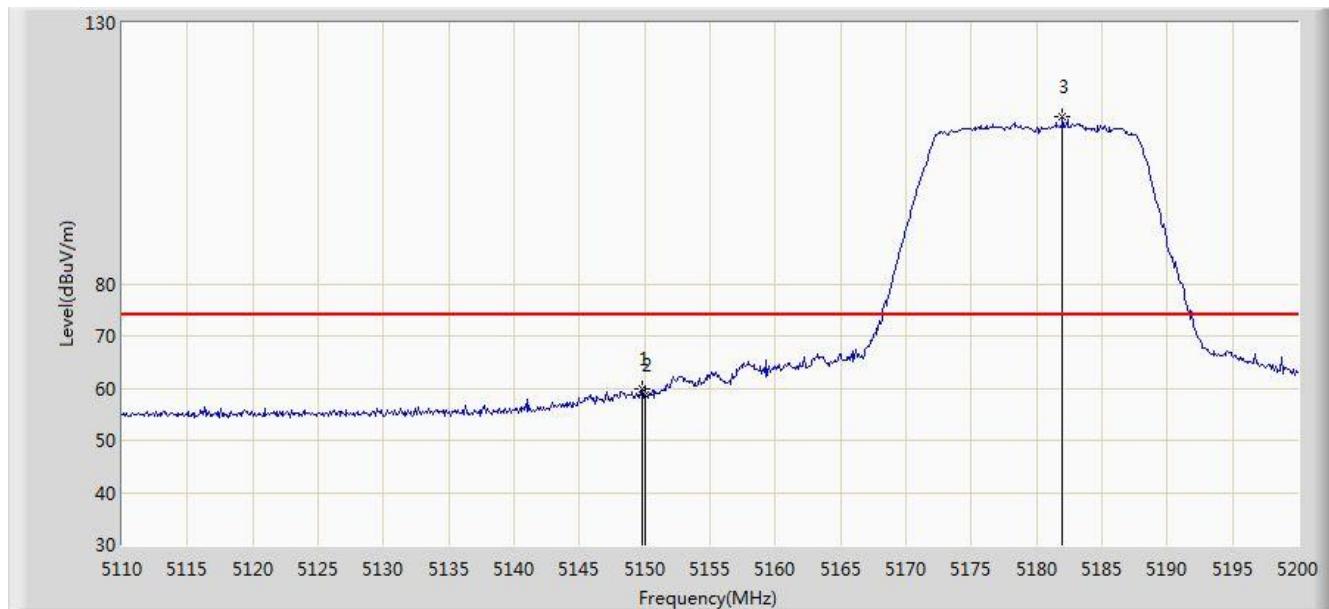


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5647.600	55.649	50.986	-18.351	74.000	4.663	PK
2			5655.000	54.405	49.717	-22.728	77.132	4.687	PK
3			5700.000	55.454	50.576	-49.746	105.200	4.878	PK
4			5720.000	56.373	51.376	-54.427	110.800	4.997	PK
5			5725.000	56.701	51.672	-65.499	122.200	5.029	PK
6			5761.000	97.506	92.261	N/A	N/A	5.245	PK
7			5850.000	62.325	56.599	-59.875	122.200	5.726	PK
8			5855.000	55.518	49.772	-55.282	110.800	5.746	PK
9			5875.000	55.902	50.082	-49.298	105.200	5.820	PK
10			5925.000	54.406	48.440	-19.594	74.000	5.967	PK
11	*		5927.000	56.220	50.249	-17.780	74.000	5.971	PK

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

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

Site: AC1	Time: 2016/09/13 - 13:23
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 3	

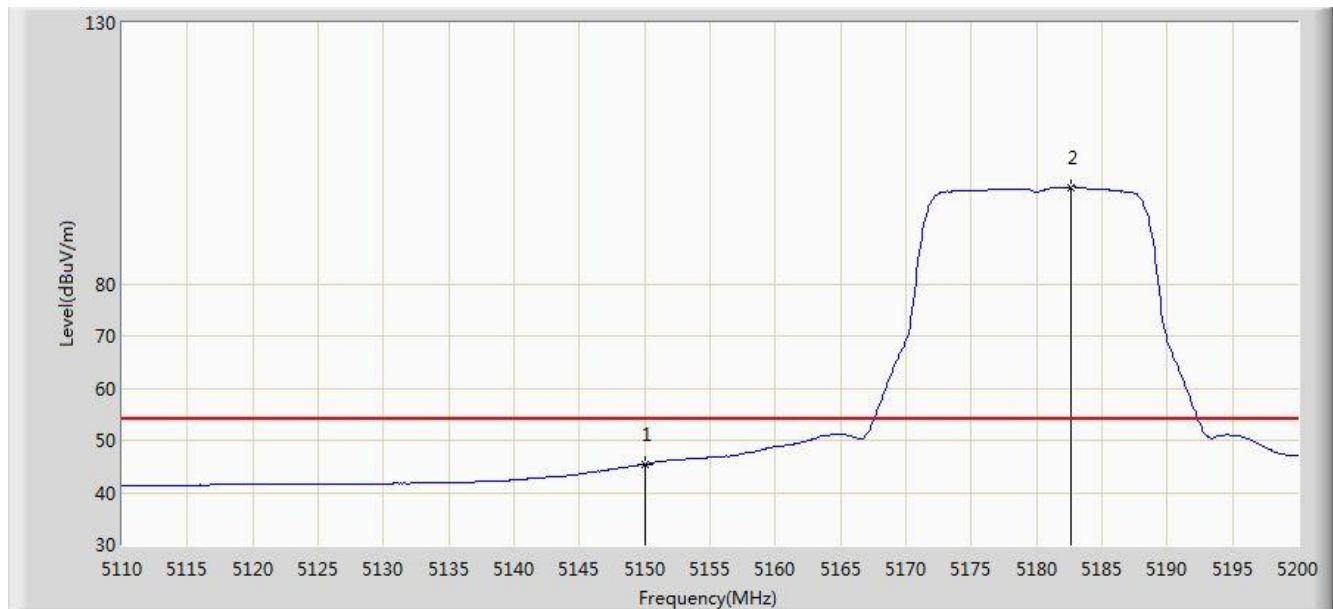


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.780	59.957	55.787	-14.043	74.000	4.169	PK
2			5150.000	58.720	54.551	-15.280	74.000	4.170	PK
3	*	*	5182.000	112.016	107.954	N/A	N/A	4.062	PK

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

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

Site: AC1	Time: 2016/09/13 - 13:31
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 3	

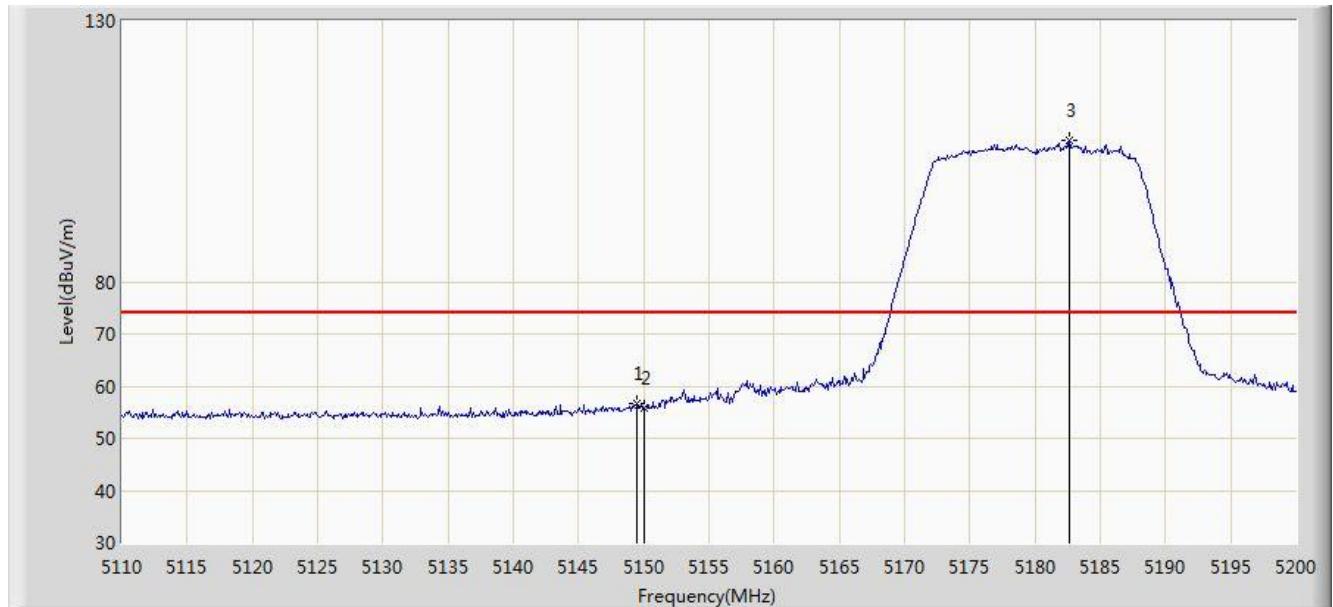


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	45.372	41.203	-8.628	54.000	4.170	AV
2		*	5182.630	98.532	94.472	N/A	N/A	4.060	AV

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

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

Site: AC1	Time: 2016/09/13 - 13:35
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 3	

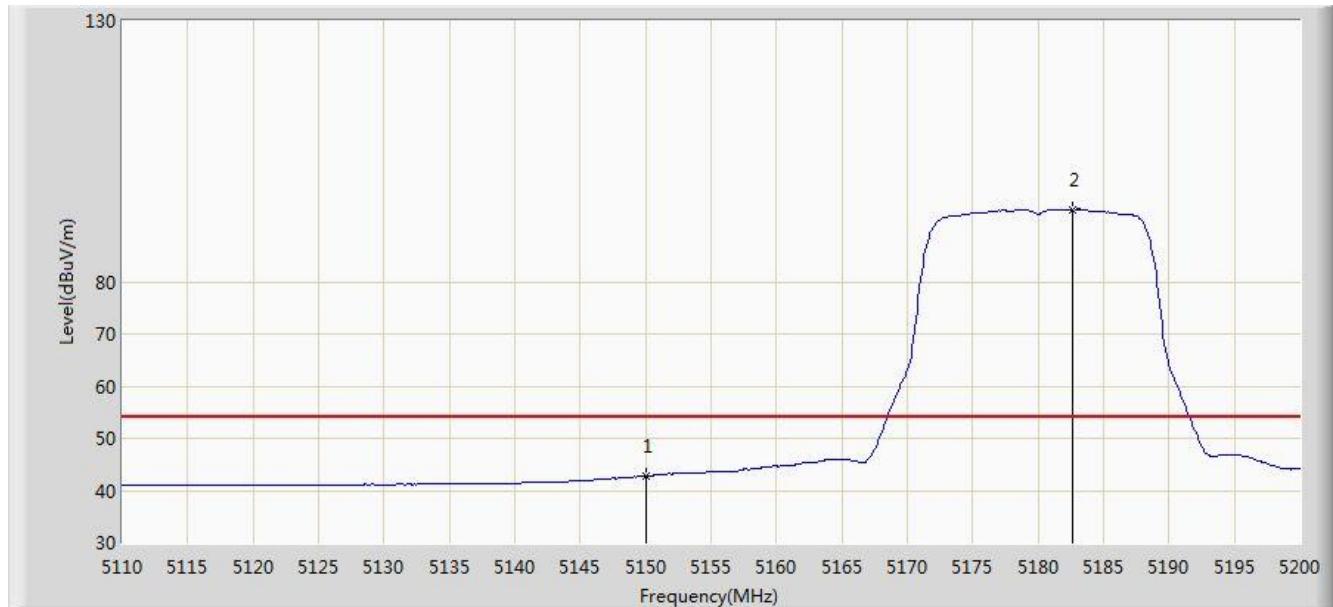


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.510	56.771	52.600	-17.229	74.000	4.170	PK
2			5150.000	55.688	51.519	-18.312	74.000	4.170	PK
3	*		5182.630	107.027	102.967	N/A	N/A	4.060	PK

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

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

Site: AC1	Time: 2016/09/13 - 13:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 3	

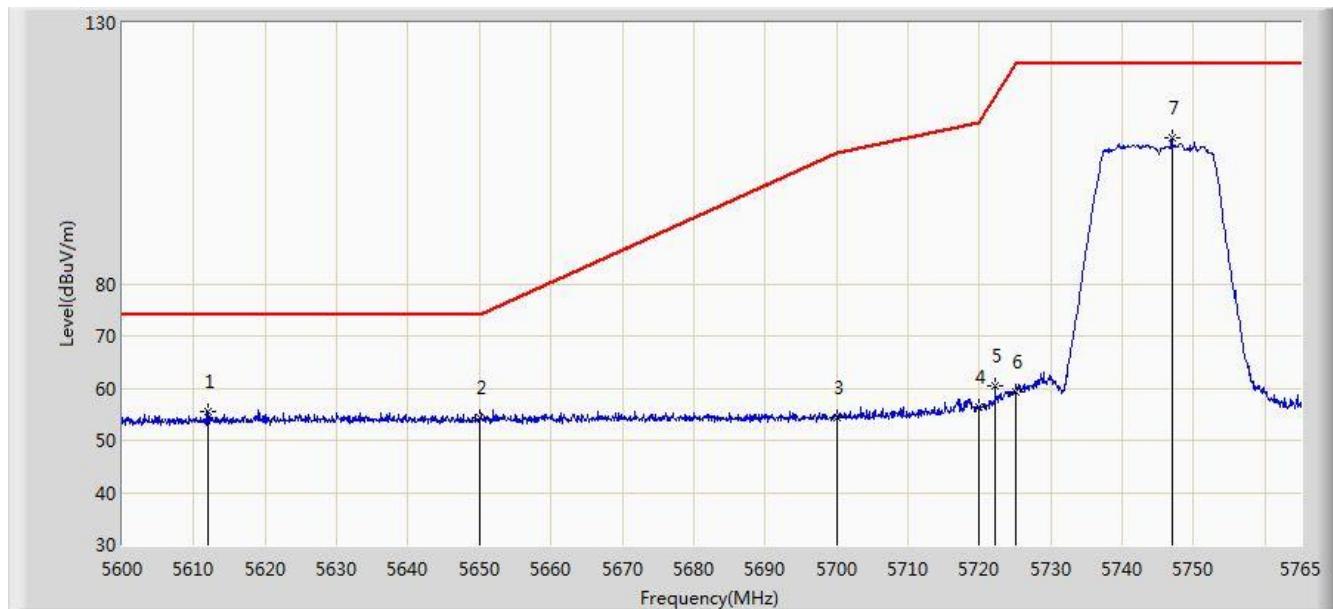


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	42.679	38.510	-11.321	54.000	4.170	AV
2	*	*	5182.630	93.912	89.852	N/A	N/A	4.060	AV

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

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

Site: AC1	Time: 2016/09/13 - 14:18
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 802.11a at Channel 5745MHz Ant 3	

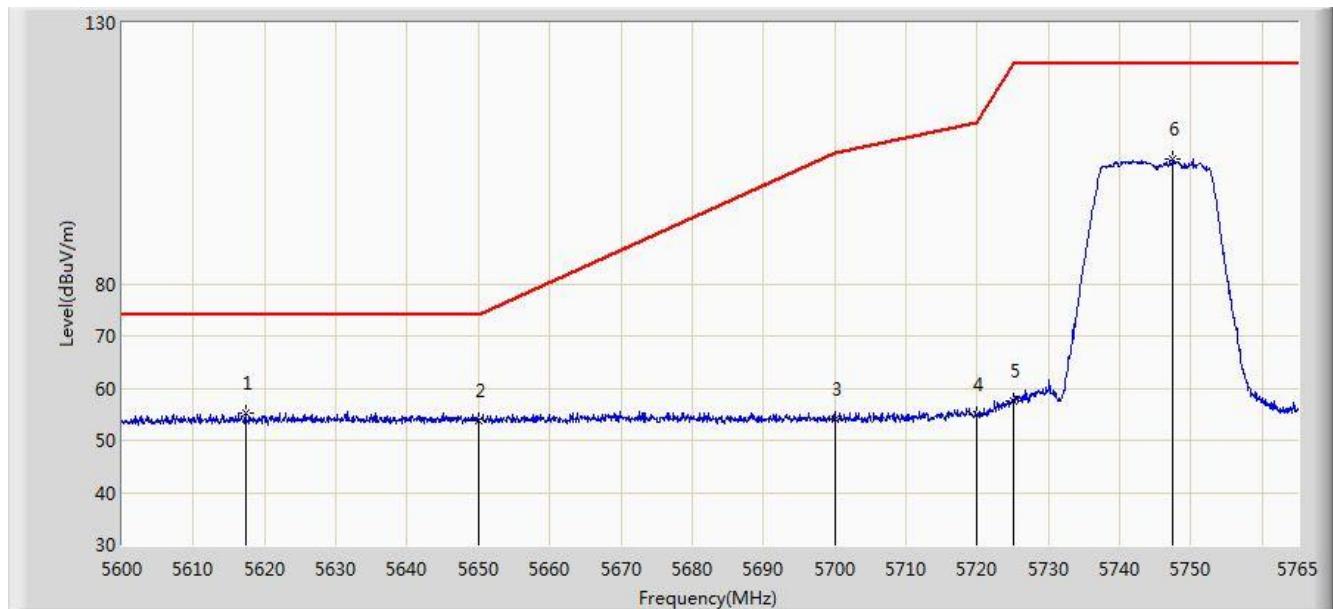


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5611.962	55.622	51.065	-18.378	74.000	4.558	PK
2			5650.000	54.422	49.751	-19.578	74.000	4.671	PK
3			5700.000	54.290	49.412	-50.910	105.200	4.878	PK
4			5720.000	56.309	51.312	-54.491	110.800	4.997	PK
5			5722.183	60.311	55.300	-55.468	115.778	5.010	PK
6			5725.000	59.287	54.258	-62.913	122.200	5.029	PK
7	*		5746.933	107.991	102.825	N/A	N/A	5.166	PK

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

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

Site: AC1	Time: 2016/09/13 - 14:24
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 3	

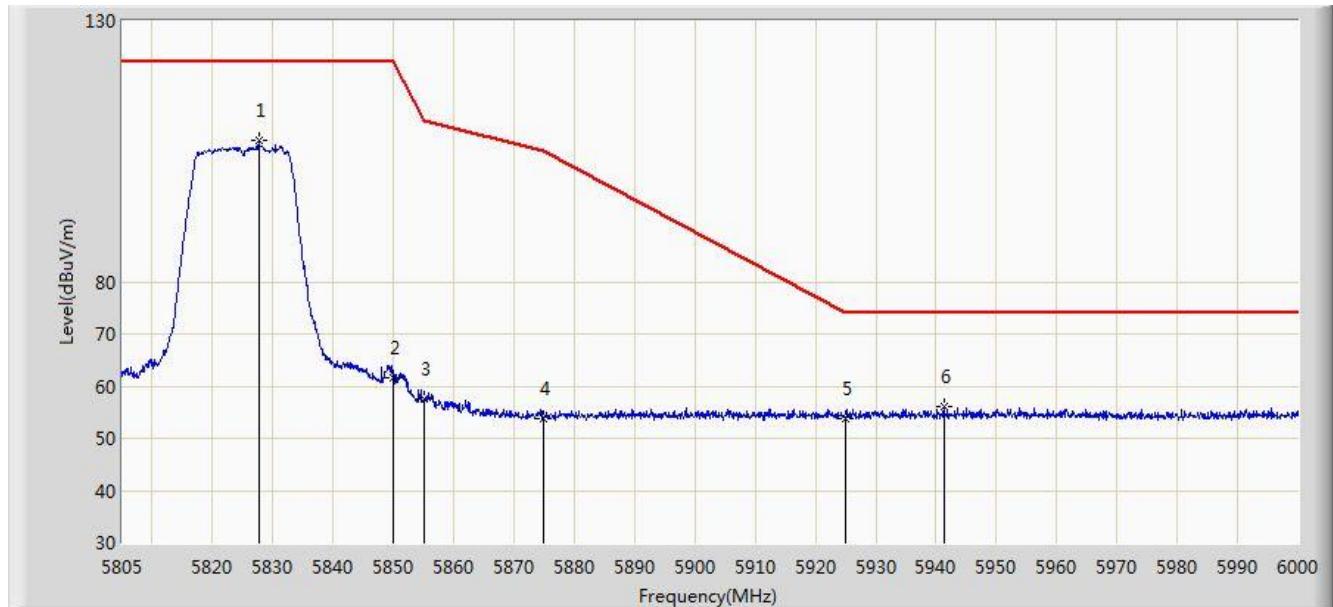


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5617.325	55.350	50.777	-18.650	74.000	4.572	PK
2			5650.000	53.736	49.065	-20.264	74.000	4.671	PK
3			5700.000	53.969	49.091	-51.231	105.200	4.878	PK
4			5720.000	54.915	49.918	-55.885	110.800	4.997	PK
5			5725.000	57.482	52.453	-64.718	122.200	5.029	PK
6	*		5747.510	104.053	98.884	N/A	N/A	5.170	PK

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

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

Site: AC1	Time: 2016/09/13 - 14:29
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 3	

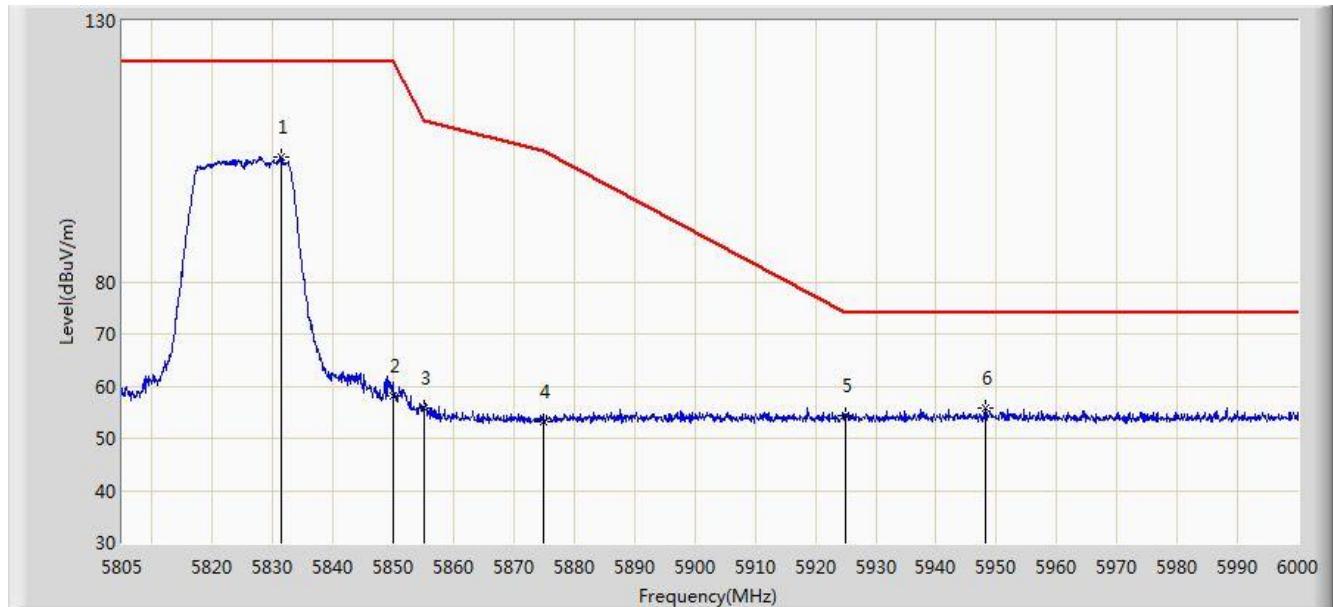


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1	*		5827.620	107.134	101.531	N/A	N/A	5.603	PK
2			5850.000	61.630	55.904	-60.570	122.200	5.726	PK
3			5855.000	57.443	51.697	-53.357	110.800	5.746	PK
4			5875.000	53.624	47.804	-51.576	105.200	5.820	PK
5			5925.000	53.912	47.946	-20.088	74.000	5.967	PK
6			5941.305	56.211	50.204	-17.789	74.000	6.007	PK

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

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

Site: AC1	Time: 2016/09/13 - 14:33
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 3	

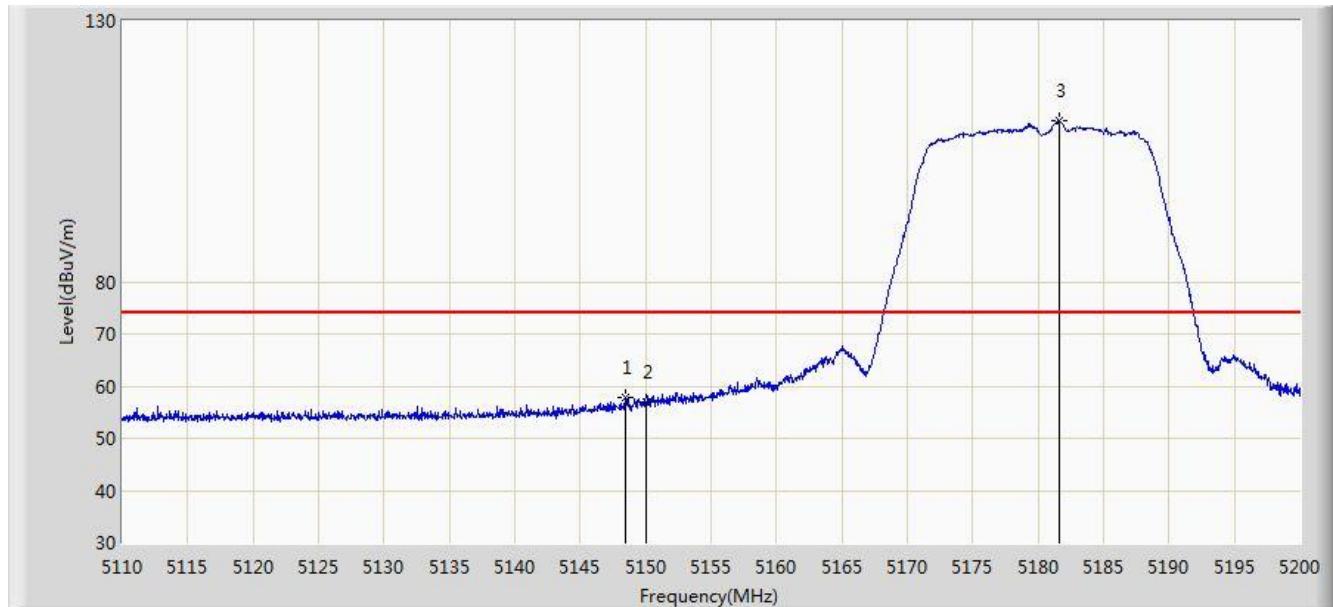


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5831.325	103.807	98.182	N/A	N/A	5.624	PK
2			5850.000	58.254	52.528	-63.946	122.200	5.726	PK
3			5855.000	55.855	50.109	-54.945	110.800	5.746	PK
4			5875.000	53.331	47.511	-51.869	105.200	5.820	PK
5			5925.000	54.307	48.341	-19.693	74.000	5.967	PK
6	*		5948.130	55.830	49.808	-18.170	74.000	6.023	PK

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

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

Site: AC1	Time: 2016/09/13 - 14:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 3	

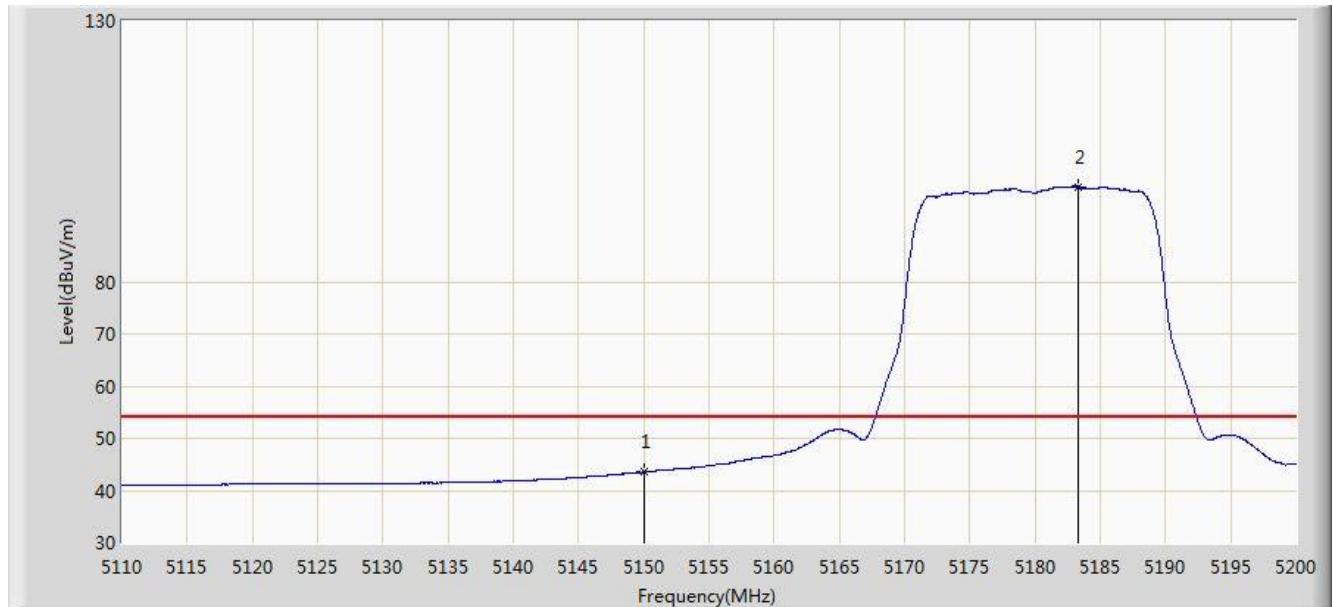


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.430	57.701	53.527	-16.299	74.000	4.174	PK
2			5150.000	56.892	52.723	-17.108	74.000	4.170	PK
3	*		5181.640	110.744	106.681	N/A	N/A	4.063	PK

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

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

Site: AC1	Time: 2016/09/13 - 14:41
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-HT20 at Channel 5180MHz Ant 3	

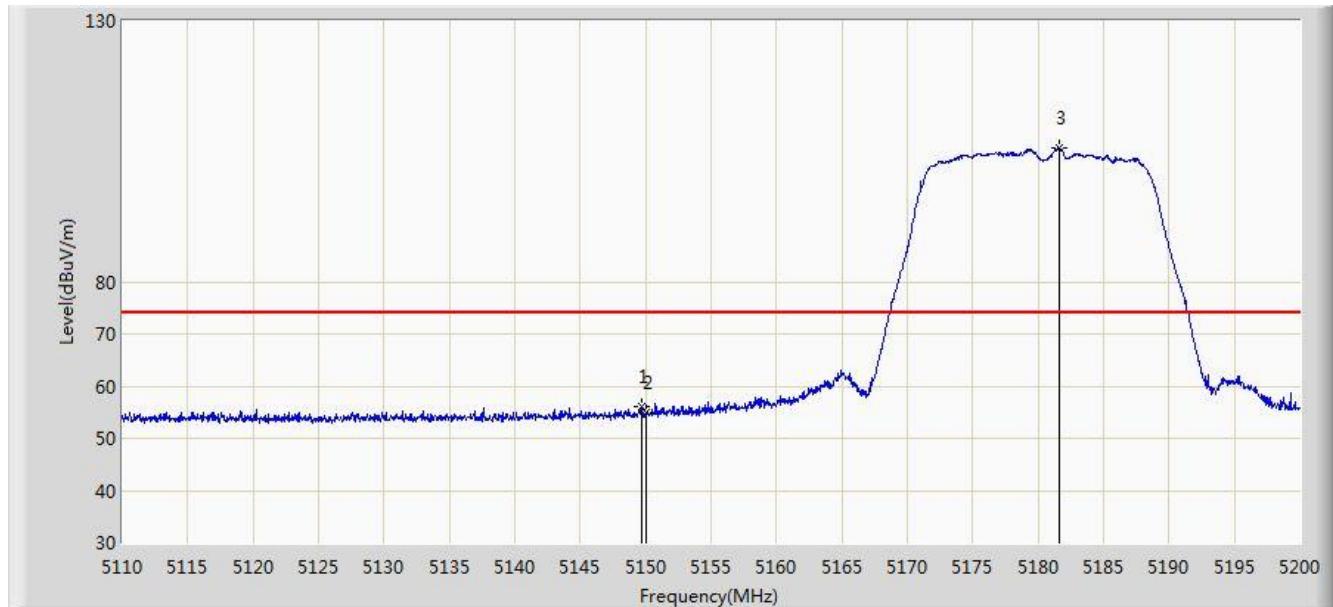


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	43.535	39.366	-10.465	54.000	4.170	AV
2	*		5183.305	98.250	94.193	N/A	N/A	4.057	AV

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

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

Site: AC1	Time: 2016/09/13 - 14:42
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-HT20 at Channel 5180MHz Ant 3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.645	56.004	51.834	-17.996	74.000	4.170	PK
2			5150.000	54.901	50.732	-19.099	74.000	4.170	PK
3	*	*	5181.595	105.675	101.612	N/A	N/A	4.063	PK

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

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

Site: AC1	Time: 2016/09/13 - 14:45
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 3	

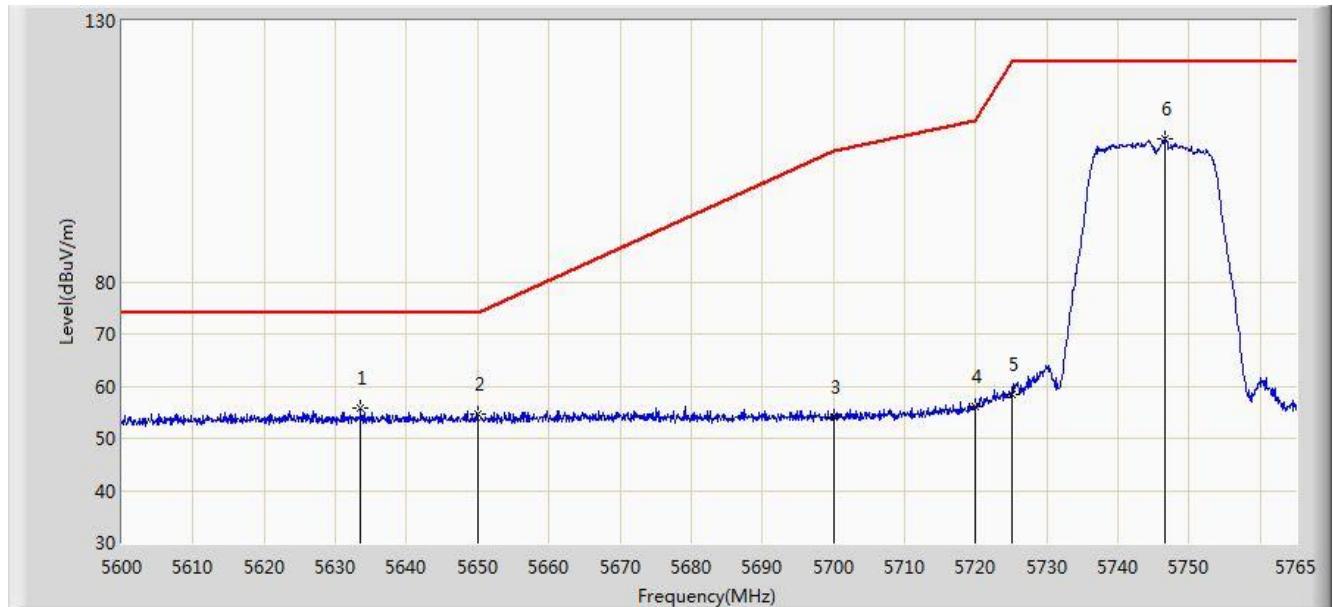


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	41.825	37.656	-12.175	54.000	4.170	AV
2	*	*	5178.265	93.238	89.163	N/A	N/A	4.075	AV

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

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

Site: AC1	Time: 2016/09/13 - 18:13
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 3	

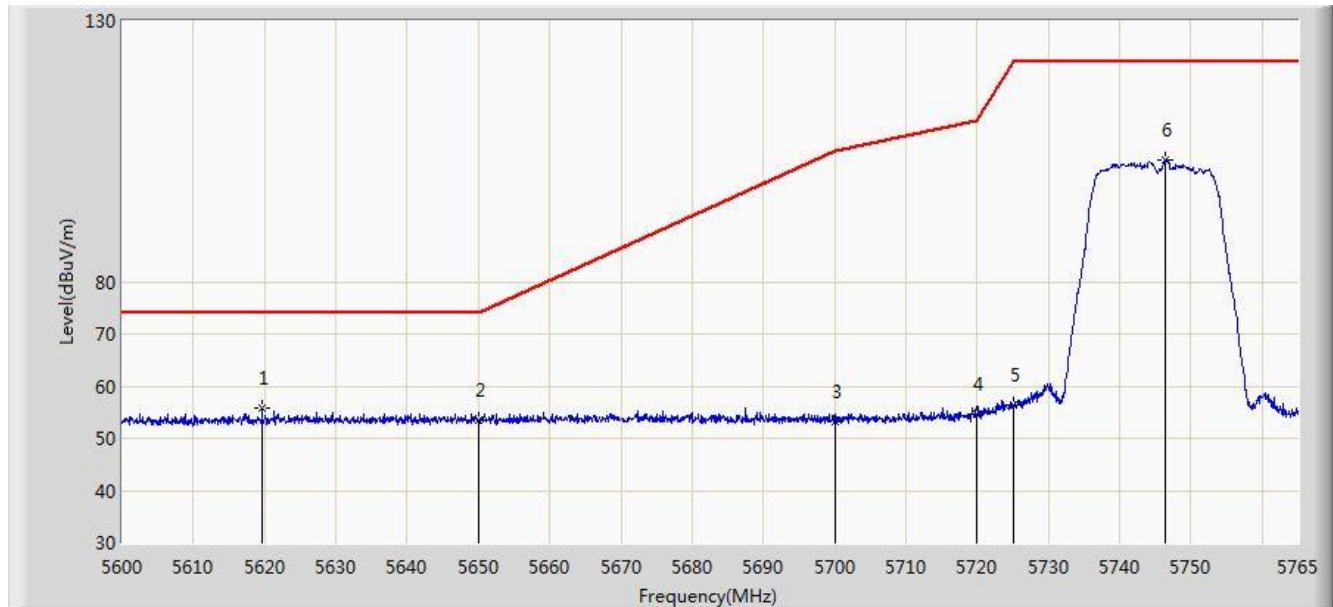


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5633.495	55.756	51.137	-18.244	74.000	4.619	PK
2			5650.000	54.520	49.849	-19.480	74.000	4.671	PK
3			5700.000	54.178	49.300	-51.022	105.200	4.878	PK
4			5720.000	56.021	51.024	-54.779	110.800	4.997	PK
5			5725.000	58.462	53.433	-63.738	122.200	5.029	PK
6	*		5746.520	107.516	102.352	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2016/09/13 - 18:14
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 3	

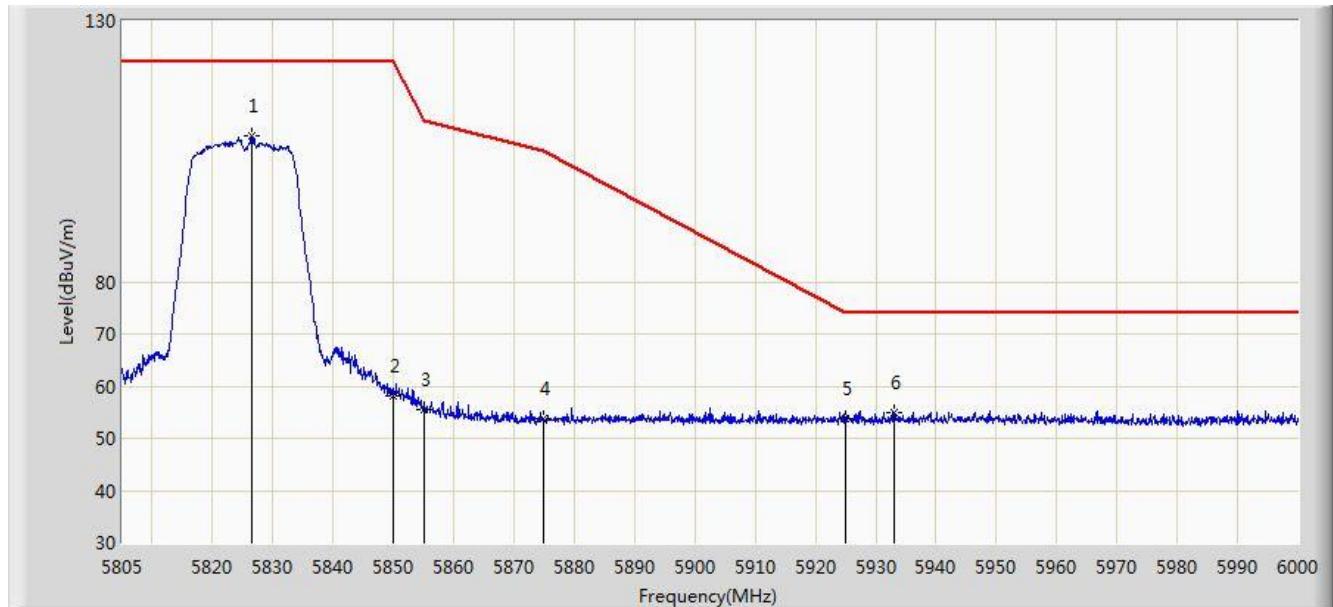


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1	*		5619.635	55.691	51.112	-18.309	74.000	4.580	PK
2			5650.000	53.617	48.946	-20.383	74.000	4.671	PK
3			5700.000	53.235	48.357	-51.965	105.200	4.878	PK
4			5720.000	54.643	49.646	-56.157	110.800	4.997	PK
5			5725.000	56.382	51.353	-65.818	122.200	5.029	PK
6			5746.355	103.218	98.055	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2016/09/13 - 18:15
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 802.11n-HT20 at Channel 5825MHz Ant 3	

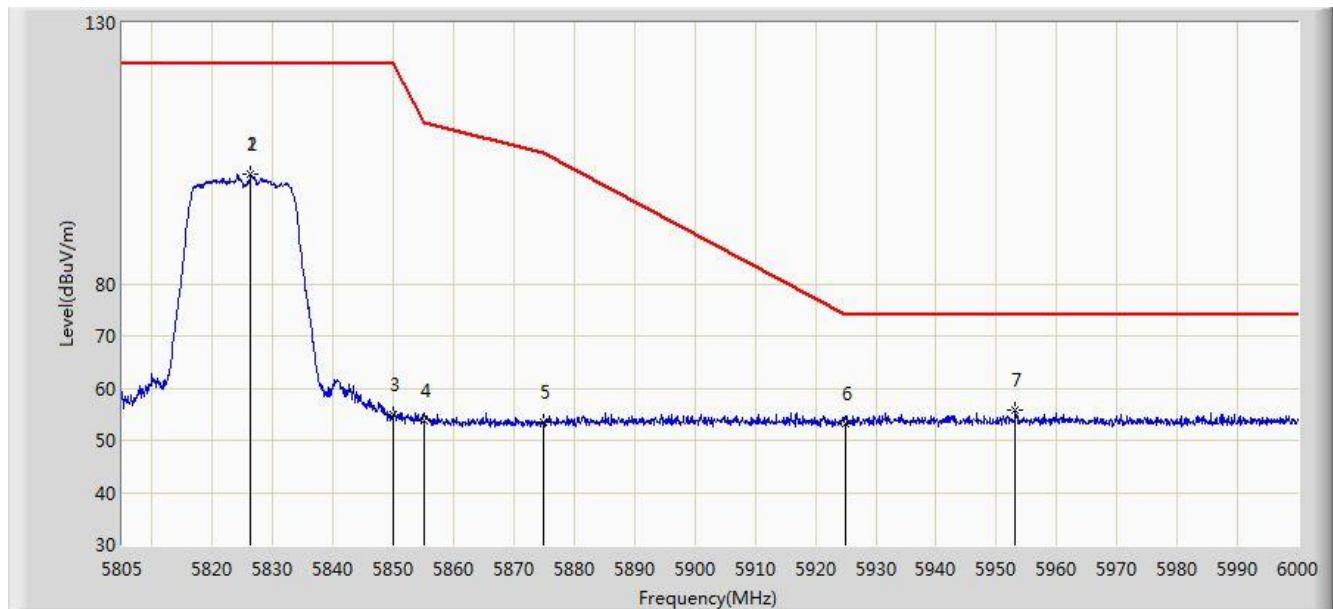


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*		5826.547	107.857	102.260	N/A	N/A	5.596	PK
2			5850.000	58.234	52.508	-63.966	122.200	5.726	PK
3			5855.000	55.371	49.625	-55.429	110.800	5.746	PK
4			5875.000	53.807	47.987	-51.393	105.200	5.820	PK
5			5925.000	53.829	47.863	-20.171	74.000	5.967	PK
6			5933.115	55.061	49.074	-18.939	74.000	5.987	PK

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

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

Site: AC1	Time: 2016/09/13 - 18:17
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 3	

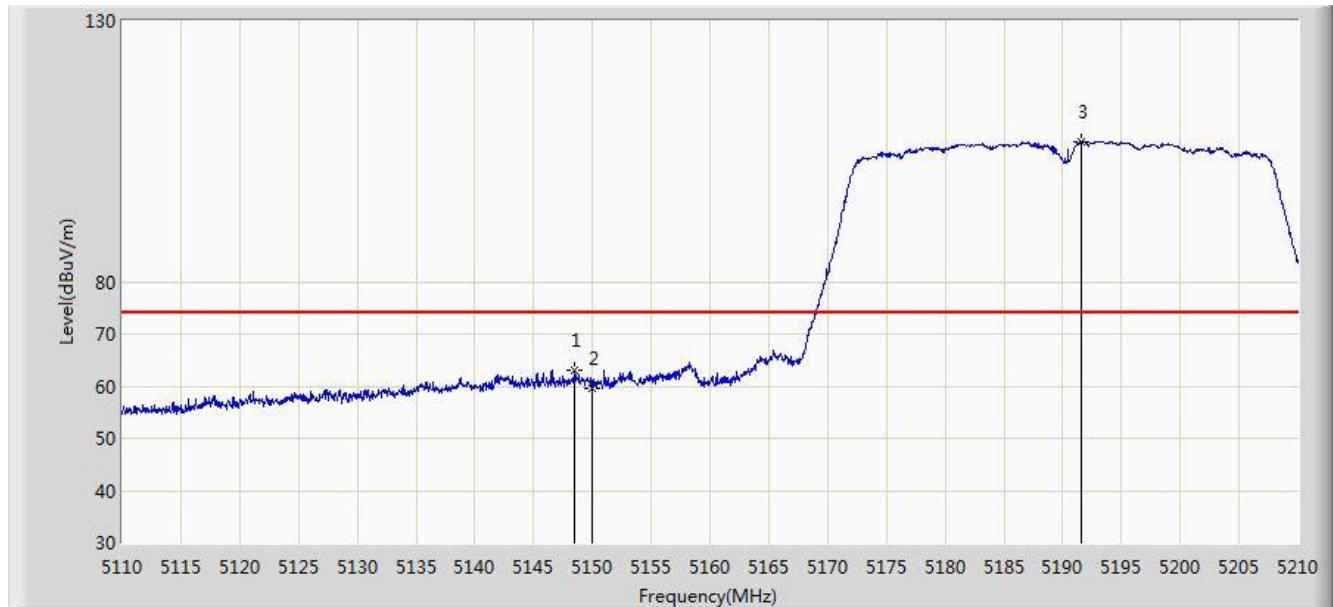


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5826.353	101.019	95.423	N/A	N/A	5.595	PK
2			5826.353	101.019	97.011	-21.181	122.200	4.008	PK
3			5850.000	54.860	49.134	-67.340	122.200	5.726	PK
4			5855.000	53.652	47.906	-57.148	110.800	5.746	PK
5			5875.000	53.369	47.549	-51.831	105.200	5.820	PK
6			5925.000	53.082	47.116	-20.918	74.000	5.967	PK
7	*		5953.103	55.779	49.747	-18.221	74.000	6.032	PK

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

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

Site: AC1	Time: 2016/09/13 - 18:18
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 3	

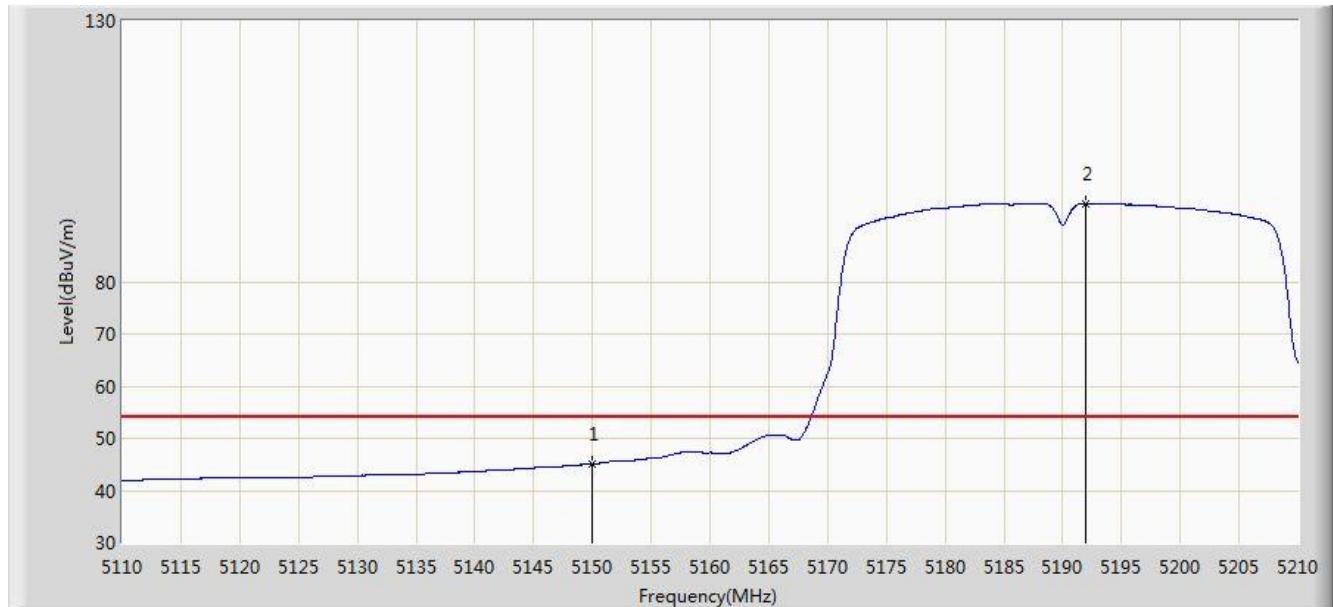


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.500	62.971	58.797	-11.029	74.000	4.173	PK
2			5150.000	59.548	55.379	-14.452	74.000	4.170	PK
3	*	*	5191.600	106.940	102.912	N/A	N/A	4.027	PK

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

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

Site: AC1	Time: 2016/09/13 - 18:38
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 802.11n-HT40 at Channel 5190MHz Ant 3	

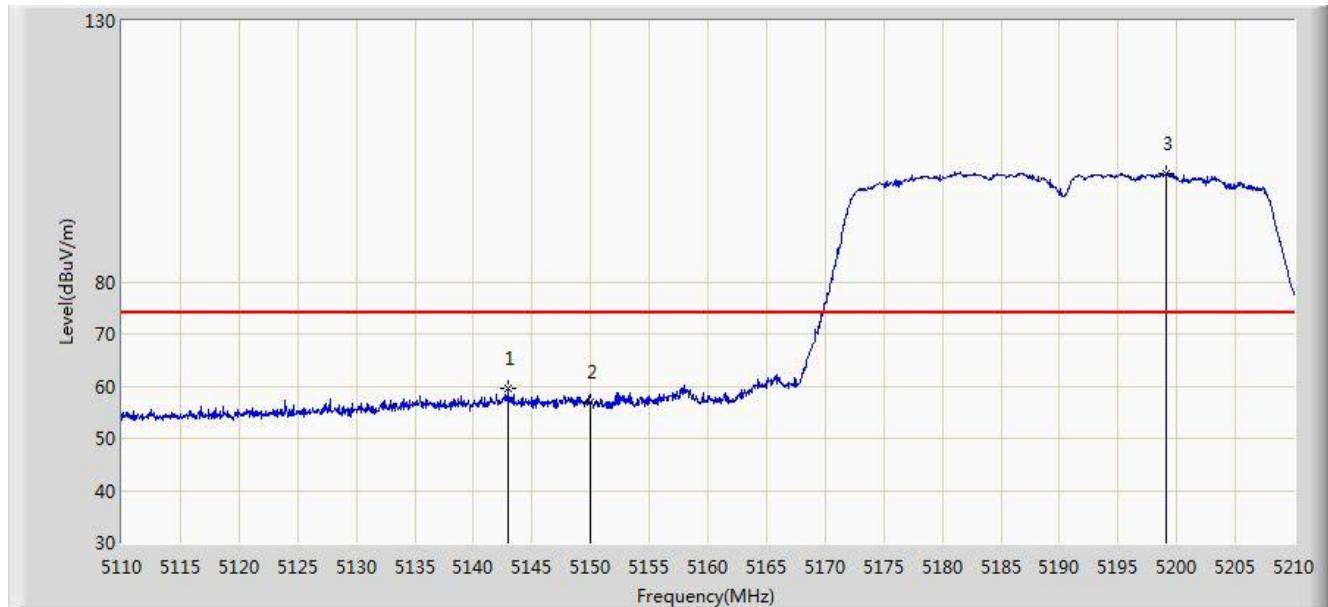


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	45.080	40.911	-8.920	54.000	4.170	AV
2	*	*	5191.950	95.067	91.041	N/A	N/A	4.027	AV

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

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

Site: AC1	Time: 2016/09/13 - 18:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 3	

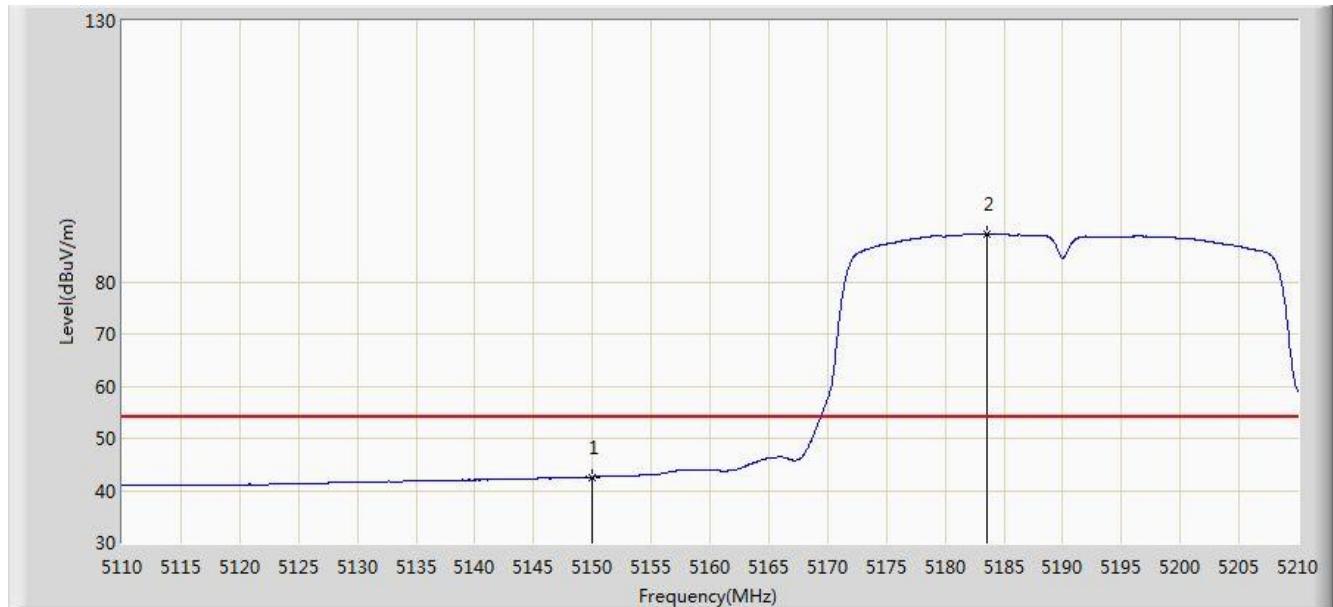


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.950	59.502	55.326	-14.498	74.000	4.176	PK
2			5150.000	56.918	52.749	-17.082	74.000	4.170	PK
3	*	*	5199.100	100.849	96.848	N/A	N/A	4.002	PK

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

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

Site: AC1	Time: 2016/09/13 - 18:44
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 3	

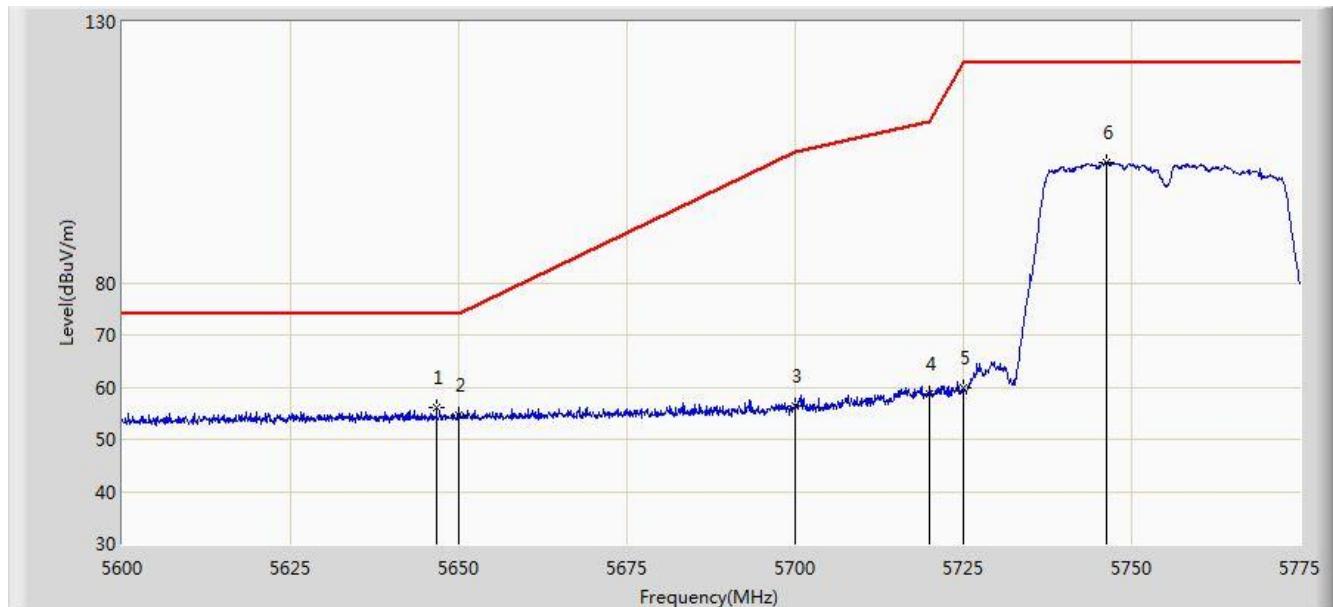


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	42.591	38.422	-11.409	54.000	4.170	AV
2	*		5183.500	89.215	85.159	N/A	N/A	4.057	AV

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

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

Site: AC1	Time: 2016/09/13 - 19:23
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 3	

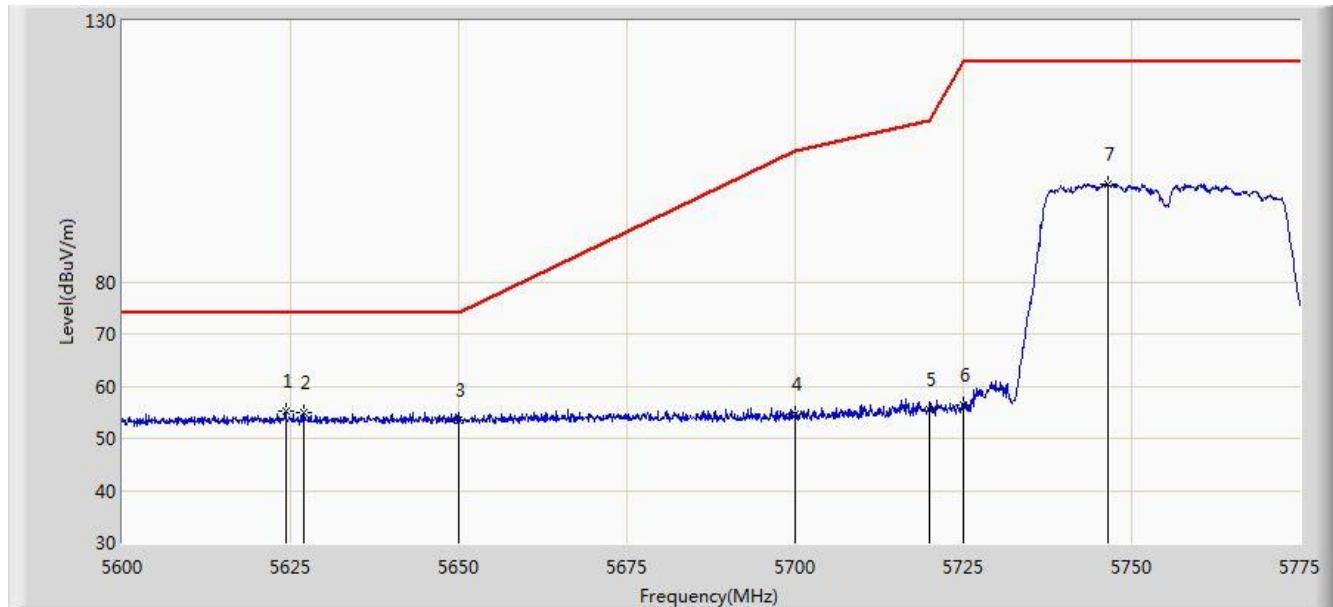


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5646.725	56.022	51.362	-17.978	74.000	4.660	PK
2			5650.000	54.754	50.083	-19.246	74.000	4.671	PK
3			5700.000	56.417	51.539	-48.783	105.200	4.878	PK
4			5720.000	58.593	53.596	-52.207	110.800	4.997	PK
5			5725.000	59.727	54.698	-62.473	122.200	5.029	PK
6			5746.300	103.145	97.983	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2016/09/13 - 19:28
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-HT40 at Channel 5755MHz Ant 3	

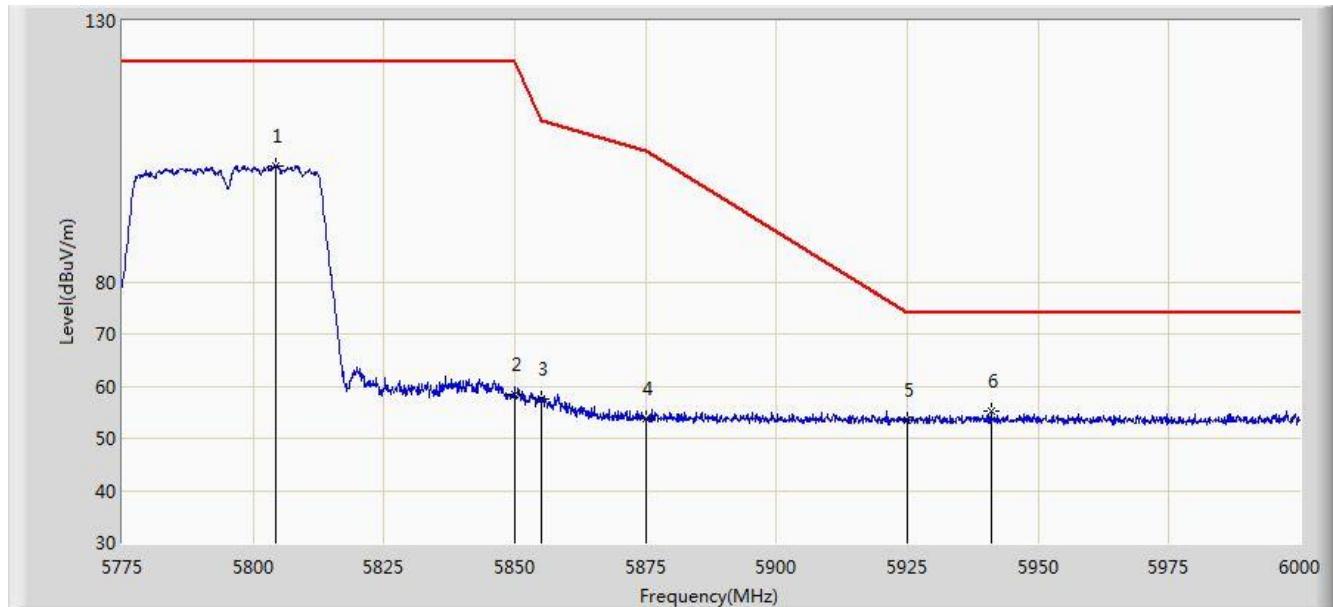


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1		*	5624.237	55.288	50.695	-18.712	74.000	4.592	PK
2			5626.950	55.001	50.401	-18.999	74.000	4.601	PK
3			5650.000	53.492	48.821	-20.508	74.000	4.671	PK
4			5700.000	54.771	49.893	-50.429	105.200	4.878	PK
5			5720.000	55.592	50.595	-55.208	110.800	4.997	PK
6			5725.000	56.339	51.310	-65.861	122.200	5.029	PK
7			5746.562	98.800	93.636	N/A	N/A	5.164	PK

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

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

Site: AC1	Time: 2016/09/13 - 19:35
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 3	

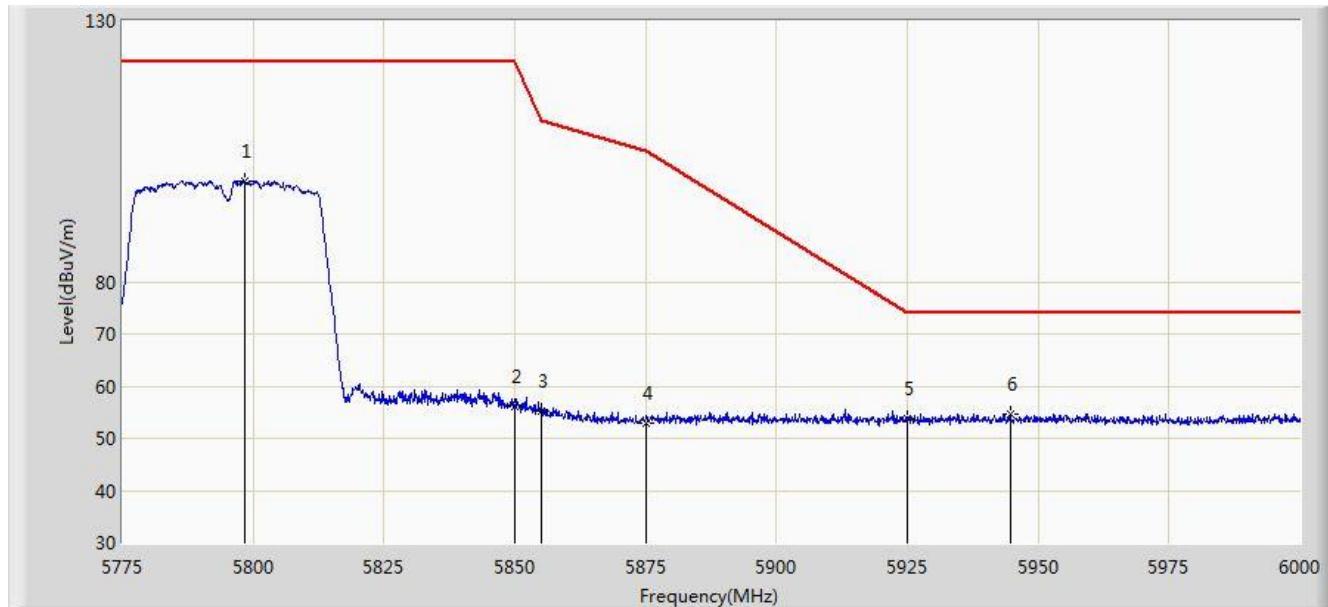


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5804.250	102.279	96.810	N/A	N/A	5.469	PK
2			5850.000	58.500	52.774	-63.700	122.200	5.726	PK
3			5855.000	57.505	51.759	-53.295	110.800	5.746	PK
4			5875.000	53.848	48.028	-51.352	105.200	5.820	PK
5			5925.000	53.582	47.616	-20.418	74.000	5.967	PK
6	*		5940.937	55.238	49.232	-18.762	74.000	6.006	PK

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

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

Site: AC1	Time: 2016/09/13 - 19:38
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 3	

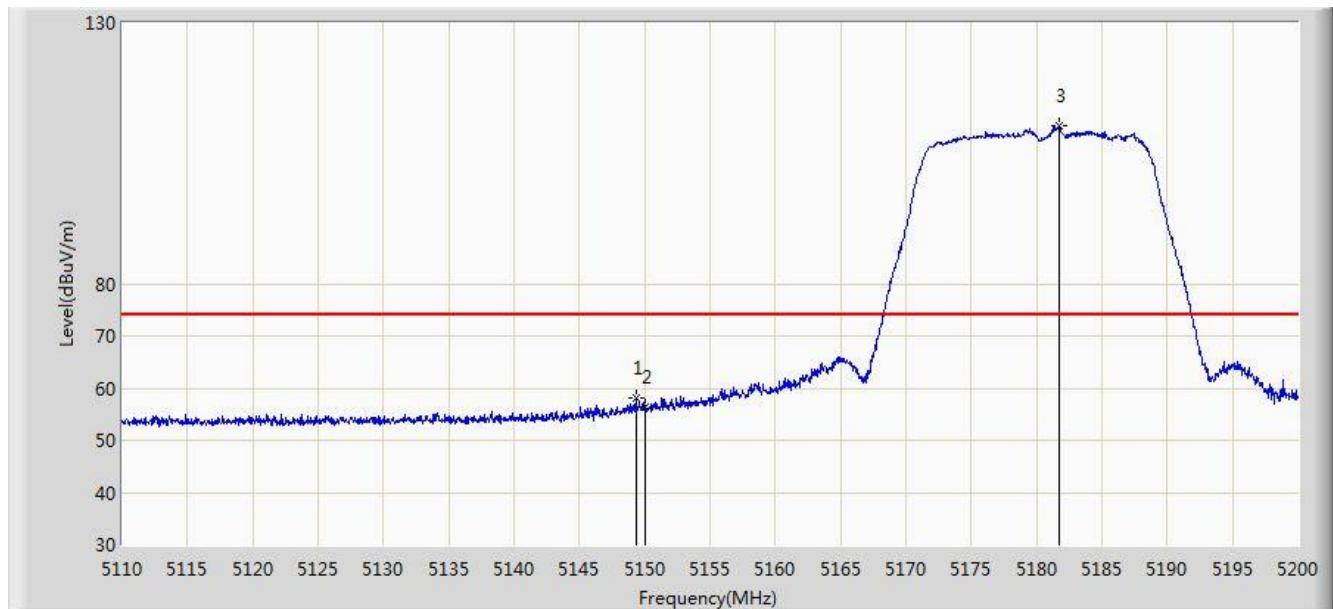


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5798.288	99.288	93.852	N/A	N/A	5.436	PK
2			5850.000	56.161	50.435	-66.039	122.200	5.726	PK
3			5855.000	55.128	49.382	-55.672	110.800	5.746	PK
4			5875.000	53.008	47.188	-52.192	105.200	5.820	PK
5			5925.000	53.655	47.689	-20.345	74.000	5.967	PK
6	*		5944.650	54.725	48.710	-19.275	74.000	6.015	PK

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

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

Site: AC1	Time: 2016/09/13 - 19:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 3	

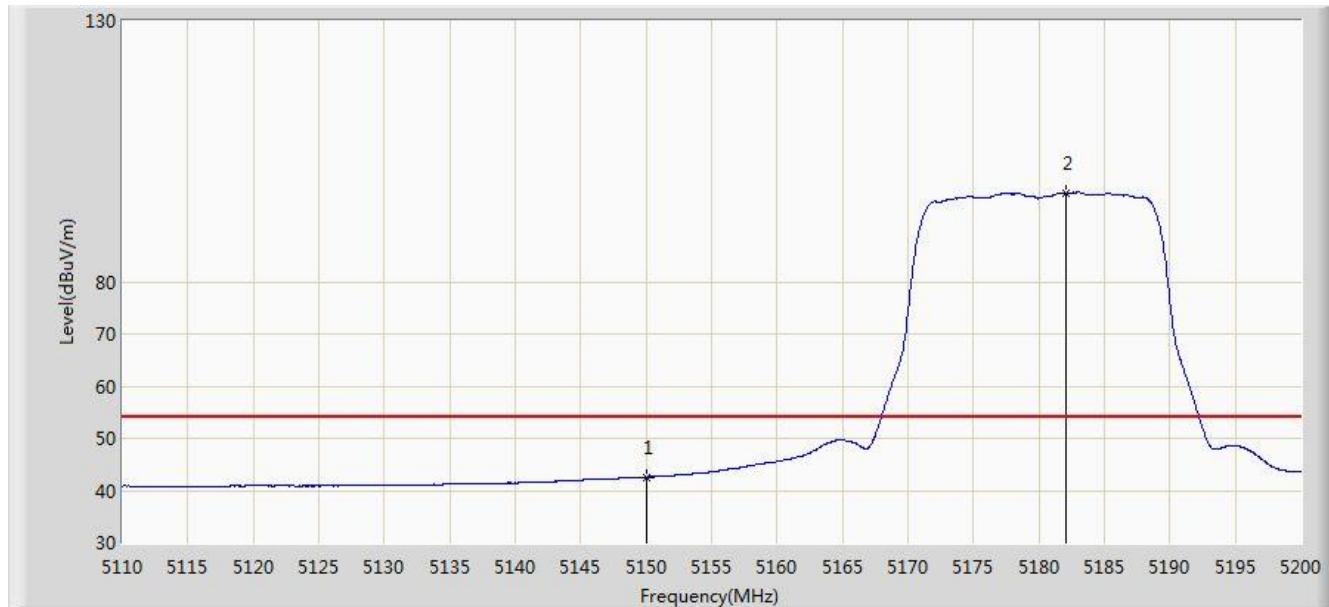


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.330	57.983	53.812	-16.017	74.000	4.171	PK
2			5150.000	56.357	52.188	-17.643	74.000	4.170	PK
3		*	5181.685	110.163	106.100	N/A	N/A	4.063	PK

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

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

Site: AC1	Time: 2016/09/13 - 19:42
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 3	

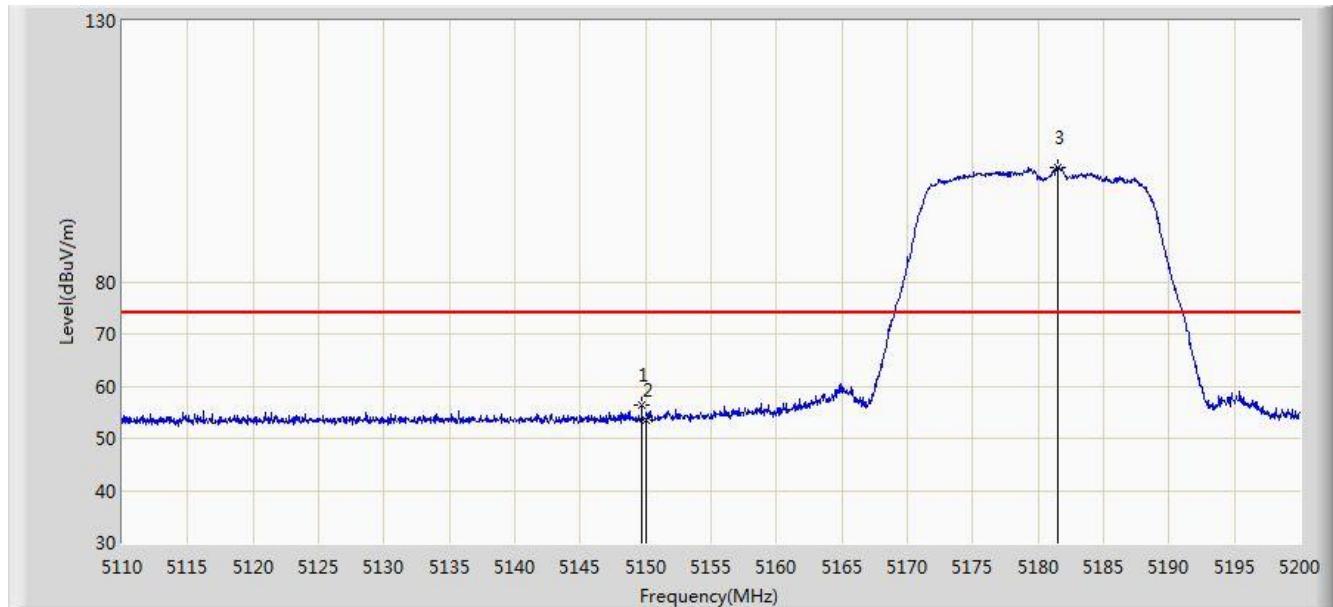


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	42.570	38.401	-11.430	54.000	4.170	AV
2	*	*	5182.045	97.003	92.941	N/A	N/A	4.061	AV

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

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

Site: AC1	Time: 2016/09/13 - 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-VHT20 at Channel 5180MHz Ant 3	

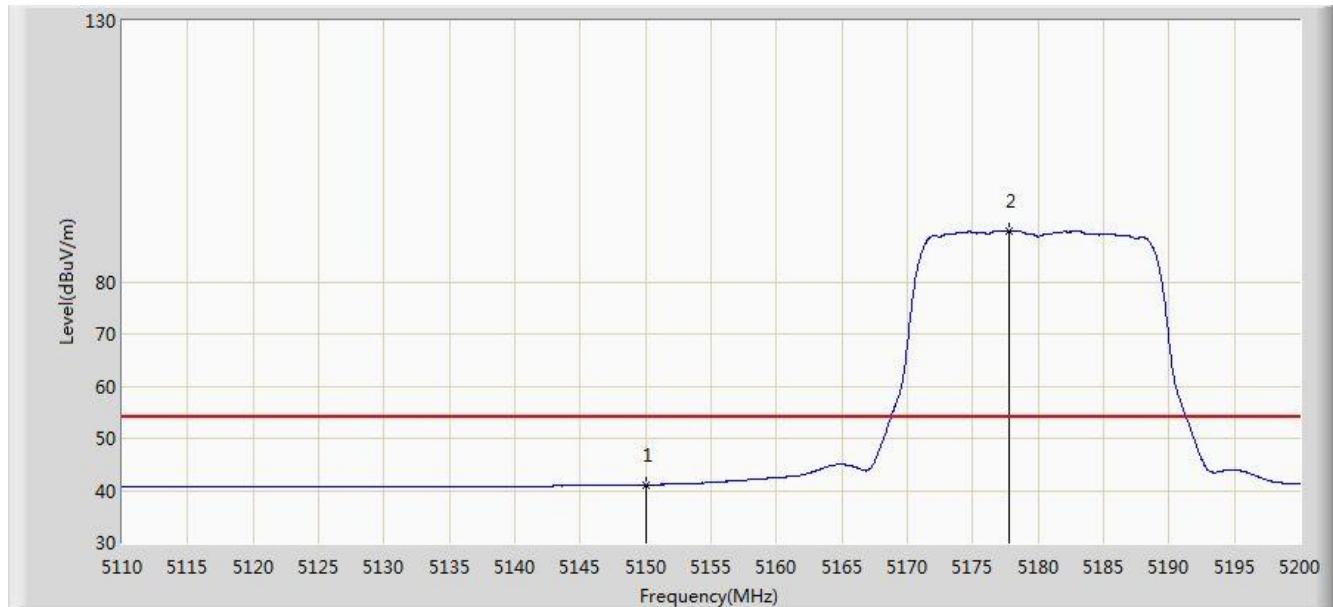


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5149.690	56.471	52.301	-17.529	74.000	4.170	PK
2			5150.000	53.568	49.399	-20.432	74.000	4.170	PK
3		*	5181.505	101.965	97.902	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2016/09/13 - 19:43
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 802.11ac-VHT20 at Channel 5180MHz Ant 3	

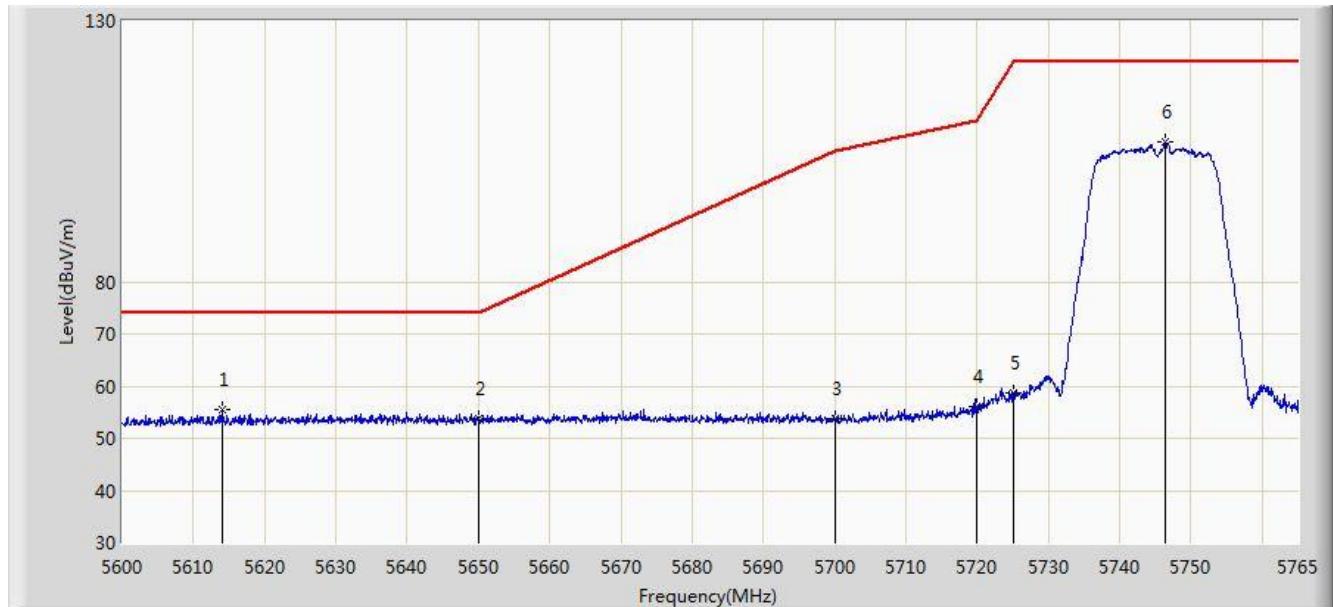


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	41.100	36.931	-12.900	54.000	4.170	AV
2		*	5177.815	89.808	85.731	N/A	N/A	4.076	AV

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

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

Site: AC1	Time: 2016/09/13 - 20:23
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 802.11ac-VHT20 at Channel 5745MHz Ant 3	

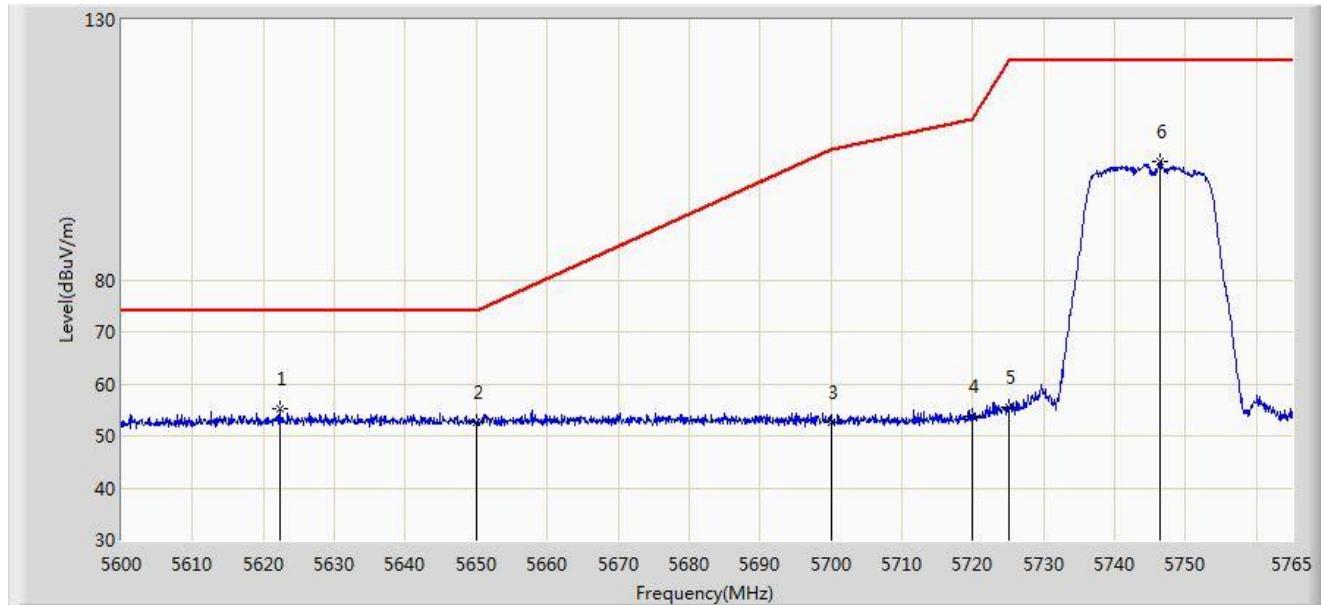


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5614.025	55.588	51.025	-18.412	74.000	4.563	PK
2			5650.000	53.894	49.223	-20.106	74.000	4.671	PK
3			5700.000	53.674	48.796	-51.526	105.200	4.878	PK
4			5720.000	56.139	51.142	-54.661	110.800	4.997	PK
5			5725.000	58.781	53.752	-63.419	122.200	5.029	PK
6	*		5746.437	106.694	101.531	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2016/09/13 - 20:25
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 3	

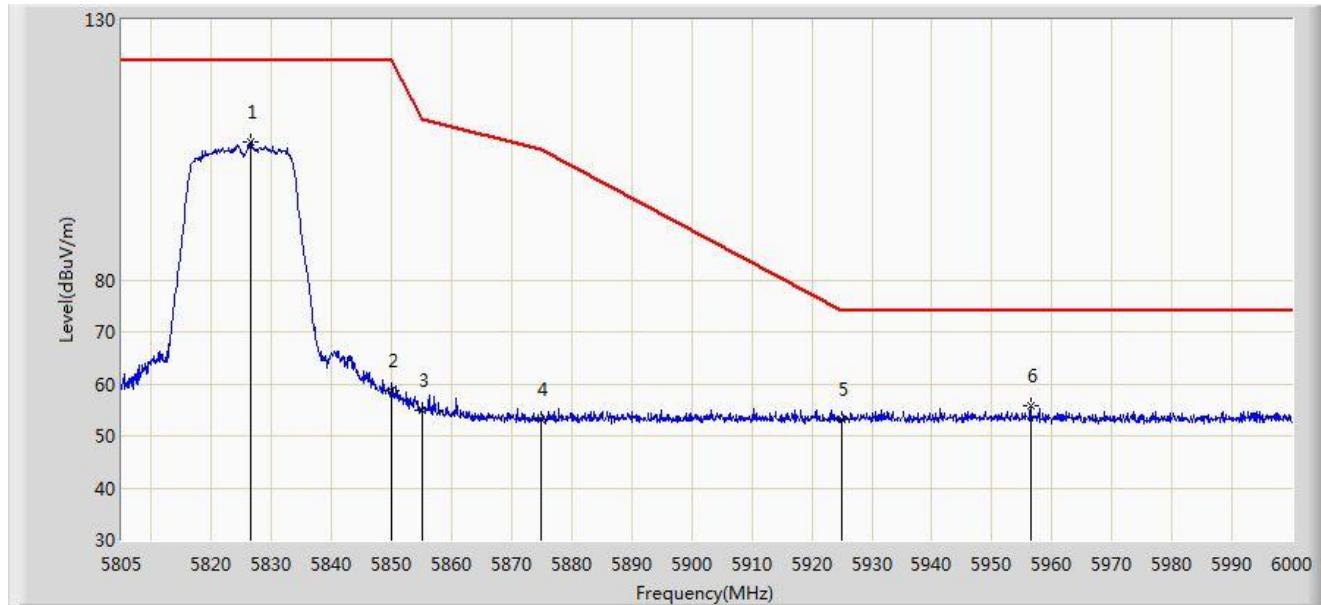


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1	*		5622.275	55.171	50.584	-18.829	74.000	4.587	PK
2			5650.000	52.541	47.870	-21.459	74.000	4.671	PK
3			5700.000	52.504	47.626	-52.696	105.200	4.878	PK
4			5720.000	53.783	48.786	-57.017	110.800	4.997	PK
5			5725.000	55.498	50.469	-66.702	122.200	5.029	PK
6			5746.437	102.871	97.708	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2016/09/13 - 20:26
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 3	

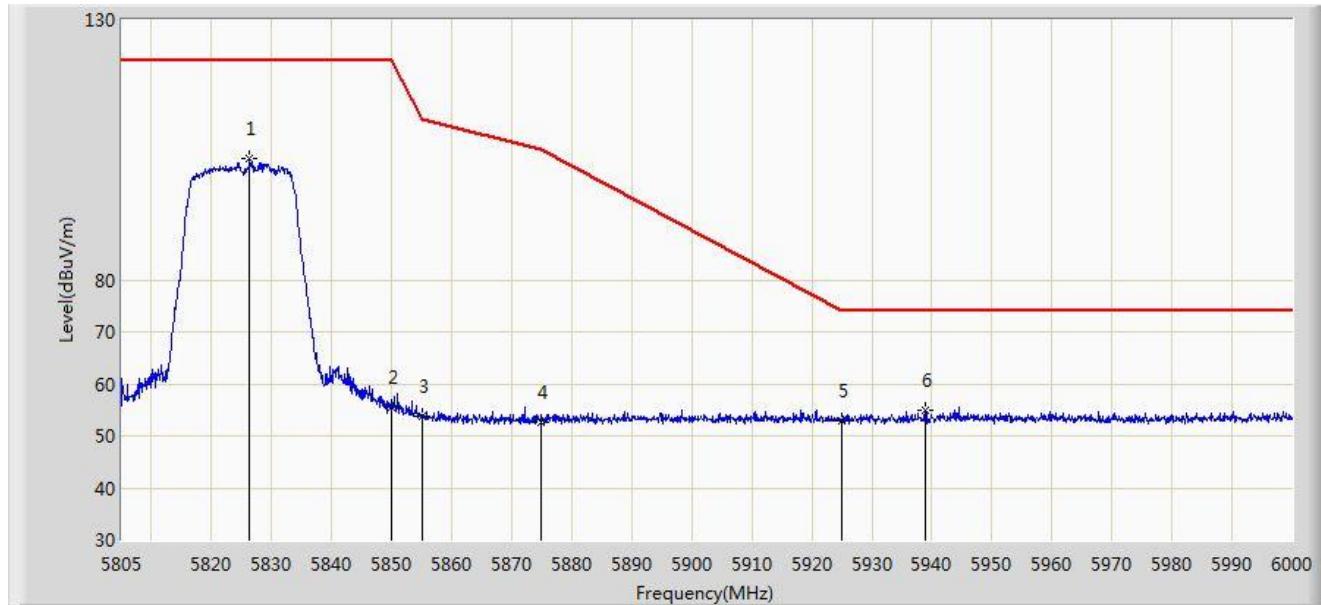


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5826.450	106.490	100.894	N/A	N/A	5.596	PK
2			5850.000	58.712	52.986	-63.488	122.200	5.726	PK
3			5855.000	54.849	49.103	-55.951	110.800	5.746	PK
4			5875.000	53.238	47.418	-51.962	105.200	5.820	PK
5			5925.000	53.139	47.173	-20.861	74.000	5.967	PK
6			5956.417	55.820	49.782	-18.180	74.000	6.038	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: 2016/09/13 - 20:27
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 3	

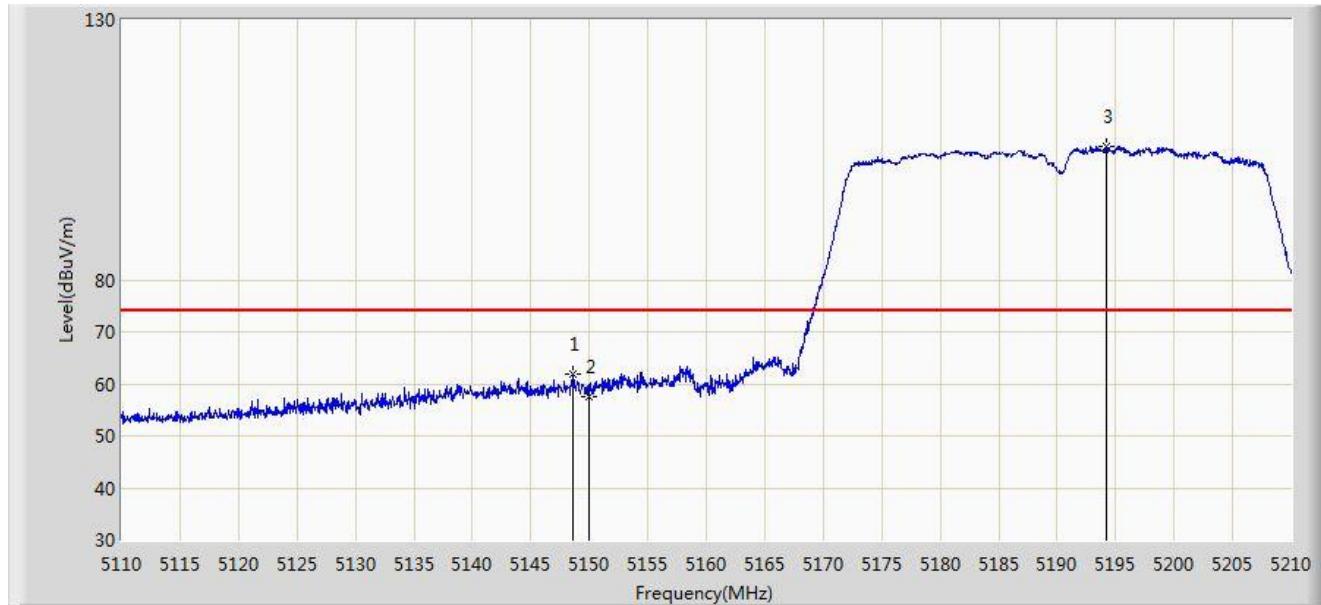


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*		5826.353	103.342	97.746	N/A	N/A	5.595	PK
2			5850.000	55.618	49.892	-66.582	122.200	5.726	PK
3			5855.000	53.713	47.967	-57.087	110.800	5.746	PK
4			5875.000	52.694	46.874	-52.506	105.200	5.820	PK
5			5925.000	52.991	47.025	-21.009	74.000	5.967	PK
6			5938.965	55.001	49.000	-18.999	74.000	6.001	PK

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

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

Site: AC1	Time: 2016/09/13 - 20:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 3	

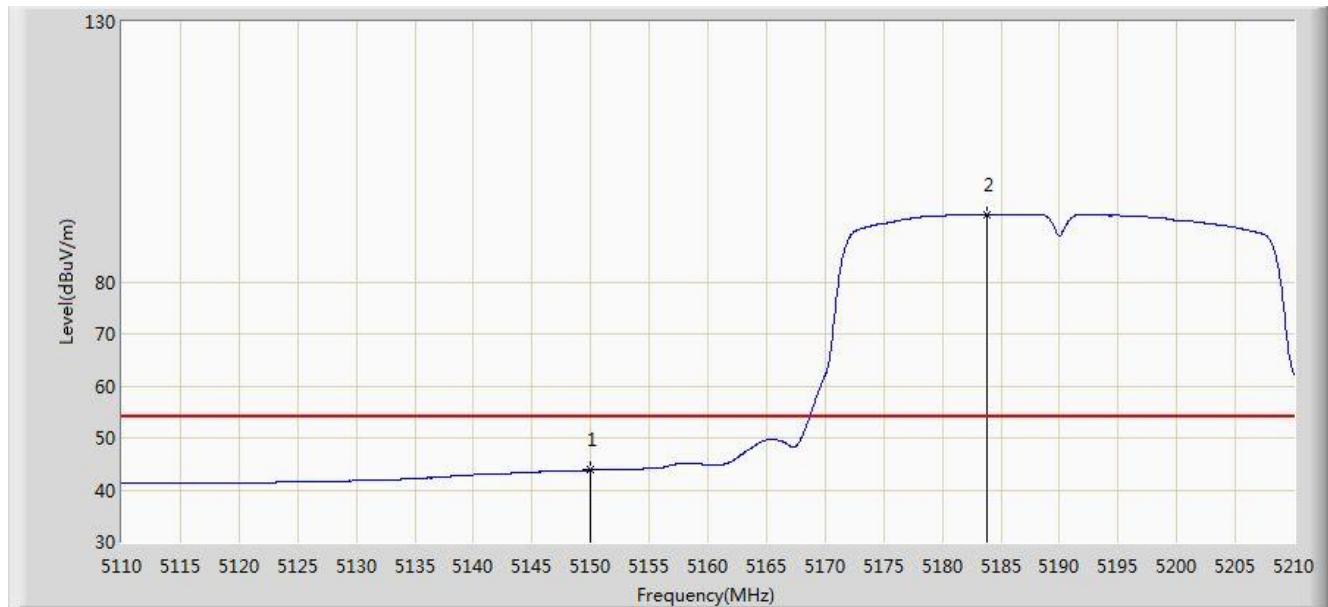


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.600	61.809	57.635	-12.191	74.000	4.173	PK
2			5150.000	57.508	53.339	-16.492	74.000	4.170	PK
3	*	*	5194.150	105.749	101.730	N/A	N/A	4.019	PK

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

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

Site: AC1	Time: 2016/09/13 - 20:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 3	

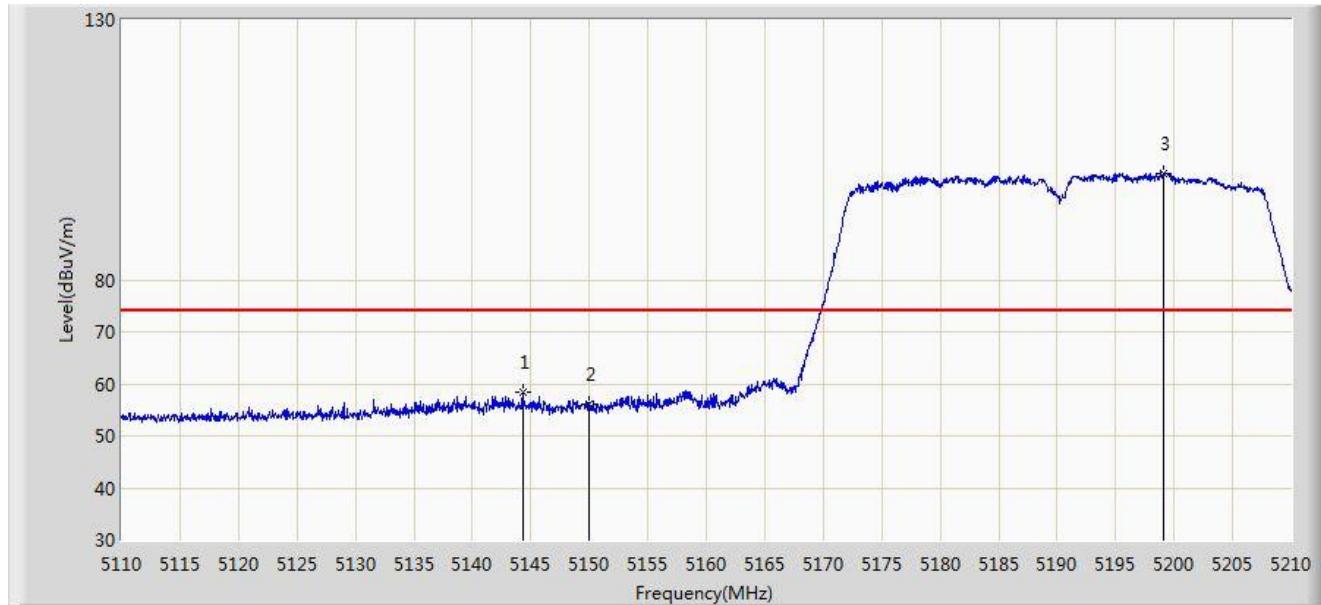


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	43.871	39.702	-10.129	54.000	4.170	AV
2		*	5183.800	92.994	88.939	N/A	N/A	4.056	AV

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

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

Site: AC1	Time: 2016/09/13 - 20:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 3	

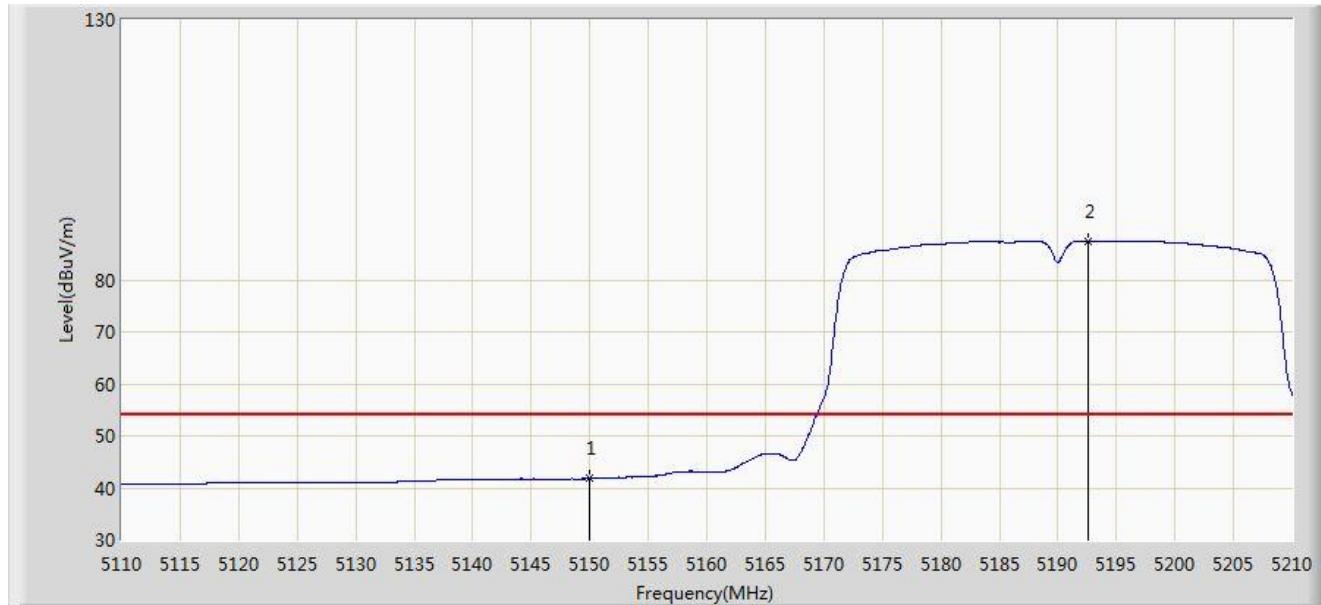


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.300	58.440	54.264	-15.560	74.000	4.176	PK
2			5150.000	56.222	52.053	-17.778	74.000	4.170	PK
3	*	*	5199.050	100.472	96.471	N/A	N/A	4.002	PK

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

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

Site: AC1	Time: 2016/09/13 - 20:32
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 802.11ac-VHT40 at Channel 5190MHz Ant 3	

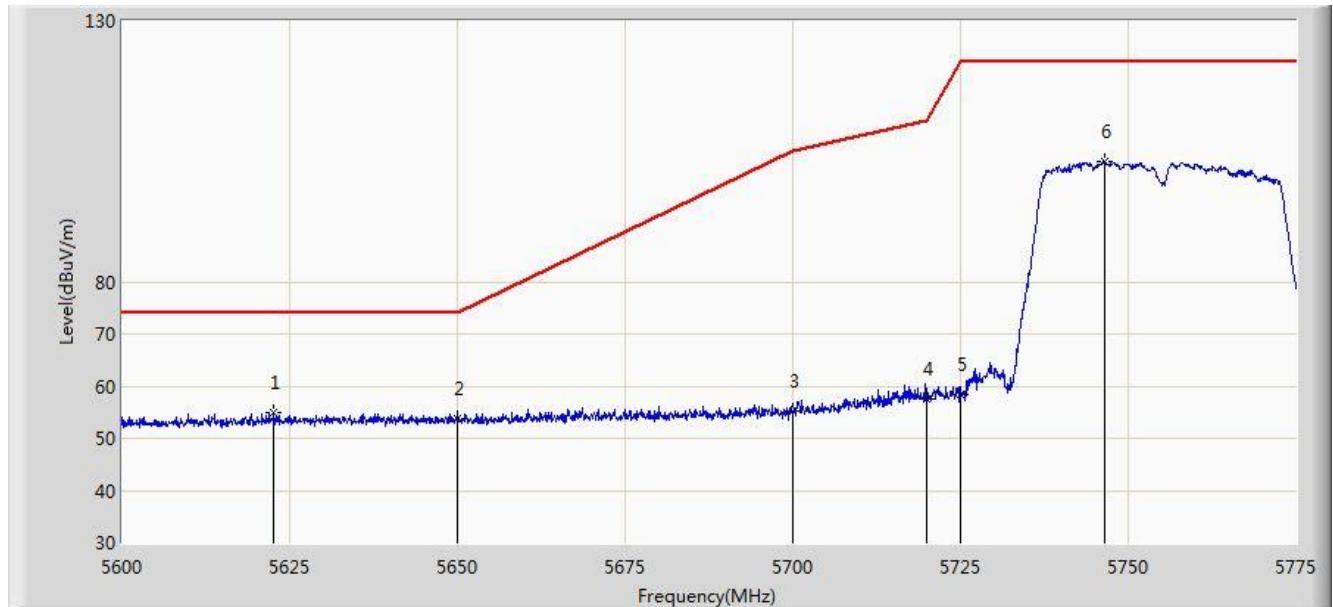


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	41.766	37.597	-12.234	54.000	4.170	AV
2	*	*	5192.550	87.416	83.392	N/A	N/A	4.024	AV

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

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

Site: AC1	Time: 2016/09/13 - 20:44
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 3	

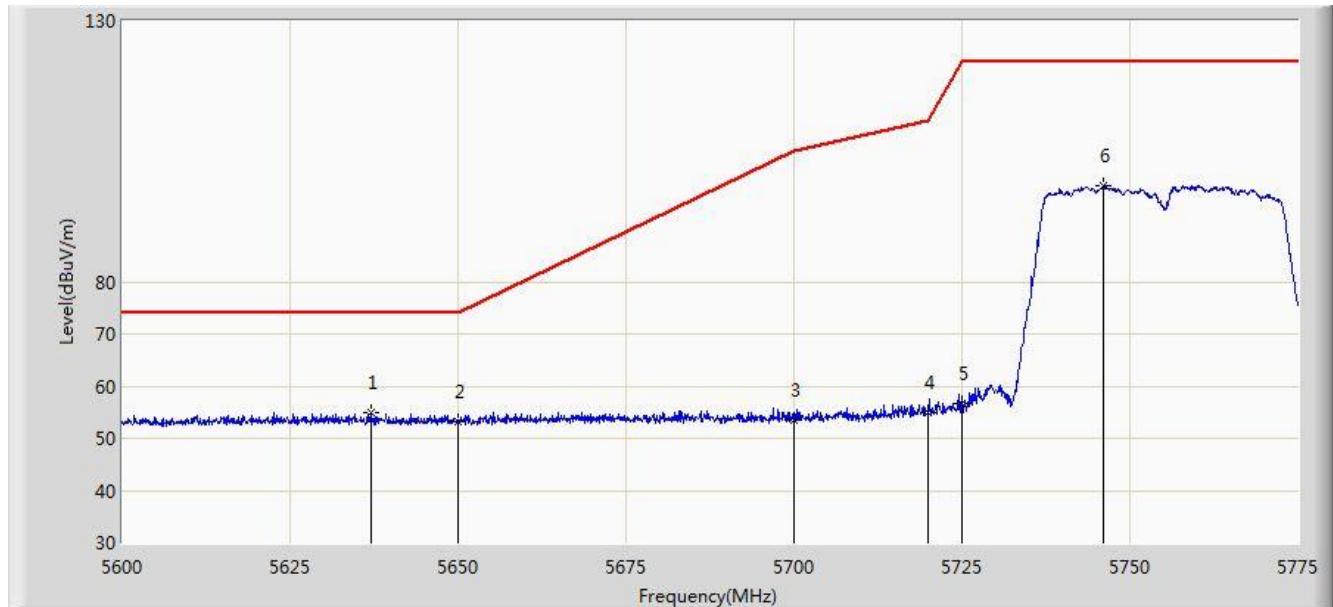


No	Flag	Mark	Frequency (MHz)	Measure Level (dB _µ V/m)	Reading Level (dB _µ V)	Margin (dB)	Limit (dB _µ V/m)	Factor (dB)	Type
1	*		5622.663	54.974	50.386	-19.026	74.000	4.589	PK
2			5650.000	53.849	49.178	-20.151	74.000	4.671	PK
3			5700.000	55.122	50.244	-50.078	105.200	4.878	PK
4			5720.000	57.679	52.682	-53.121	110.800	4.997	PK
5			5725.000	58.413	53.384	-63.787	122.200	5.029	PK
6			5746.562	102.963	97.799	N/A	N/A	5.164	PK

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

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

Site: AC1	Time: 2016/09/13 - 20:46
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 802.11ac-VHT40 at Channel 5755MHz Ant 3	

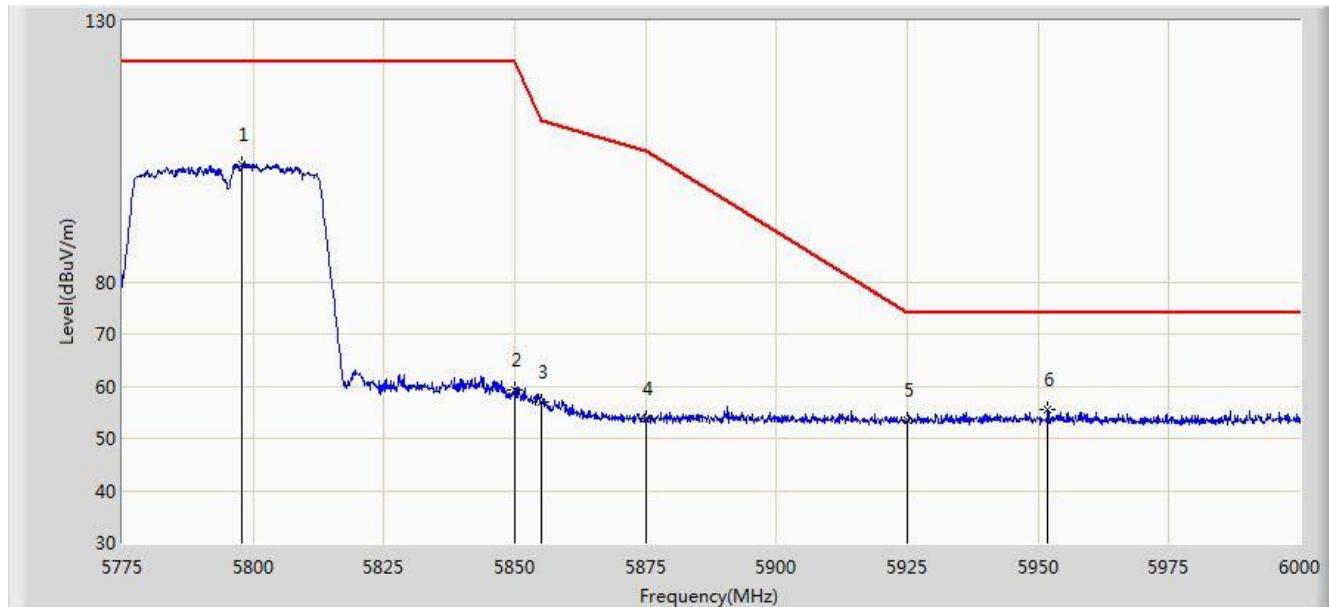


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1		*	5637.100	55.040	50.411	-18.960	74.000	4.630	PK
2			5650.000	53.274	48.603	-20.726	74.000	4.671	PK
3			5700.000	53.572	48.694	-51.628	105.200	4.878	PK
4			5720.000	54.816	49.819	-55.984	110.800	4.997	PK
5			5725.000	56.803	51.774	-65.397	122.200	5.029	PK
6			5745.950	98.265	93.105	N/A	N/A	5.161	PK

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

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

Site: AC1	Time: 2016/09/13 - 20:48
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 802.11ac-VHT40 at Channel 5795MHz Ant 3	

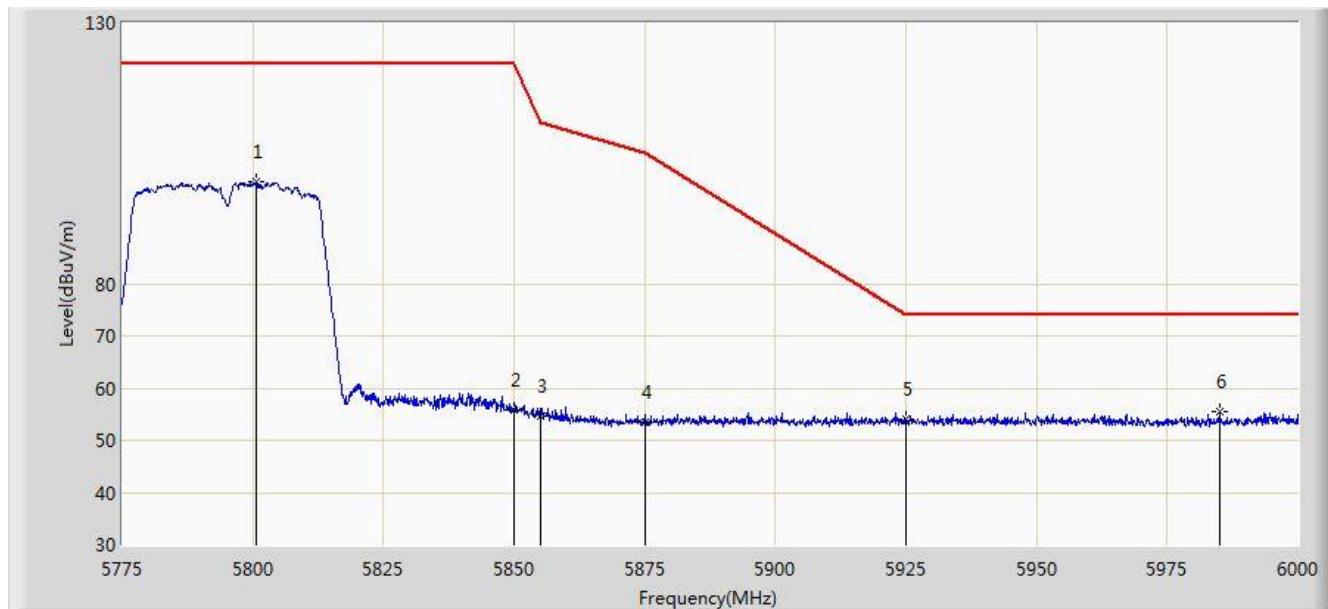


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5797.837	102.586	97.153	N/A	N/A	5.433	PK
2			5850.000	59.327	53.601	-62.873	122.200	5.726	PK
3			5855.000	57.018	51.272	-53.782	110.800	5.746	PK
4			5875.000	53.681	47.861	-51.519	105.200	5.820	PK
5			5925.000	53.348	47.382	-20.652	74.000	5.967	PK
6	*		5951.850	55.550	49.520	-18.450	74.000	6.030	PK

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

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

Site: AC1	Time: 2016/09/13 - 20:50
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 3	

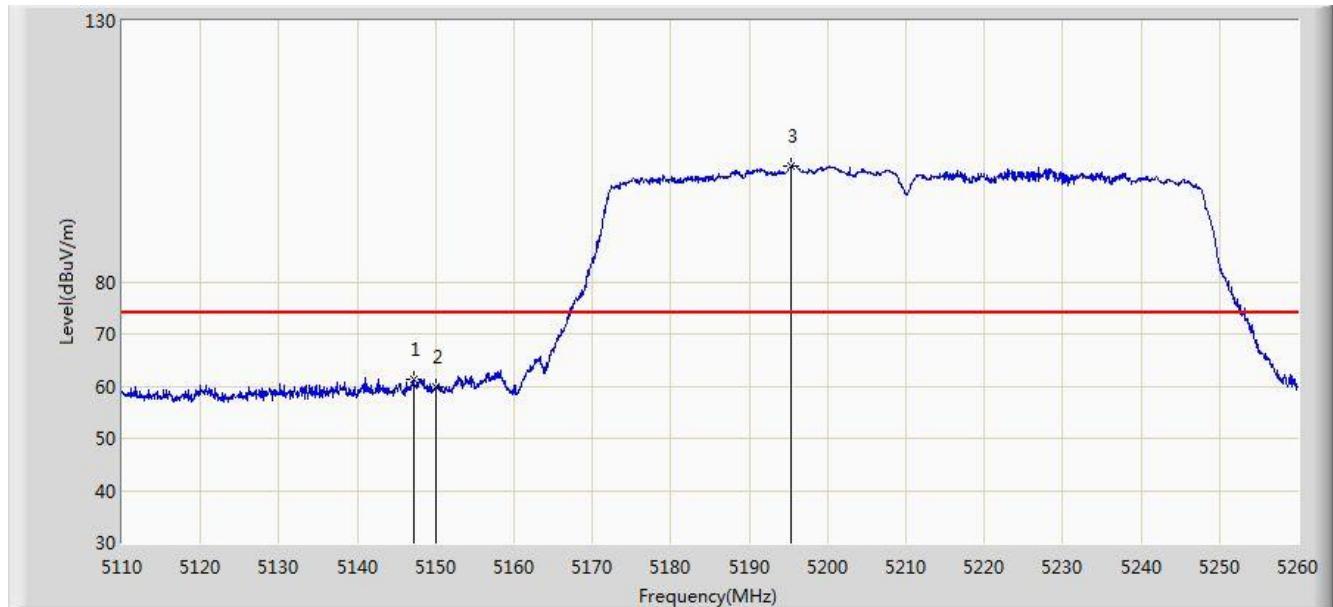


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5800.538	99.472	94.024	N/A	N/A	5.449	PK
2			5850.000	55.721	49.995	-66.479	122.200	5.726	PK
3			5855.000	54.597	48.851	-56.203	110.800	5.746	PK
4			5875.000	53.546	47.726	-51.654	105.200	5.820	PK
5			5925.000	53.926	47.960	-20.074	74.000	5.967	PK
6	*		5984.925	55.396	49.310	-18.604	74.000	6.085	PK

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

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

Site: AC1	Time: 2016/09/13 - 20:52
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 3	

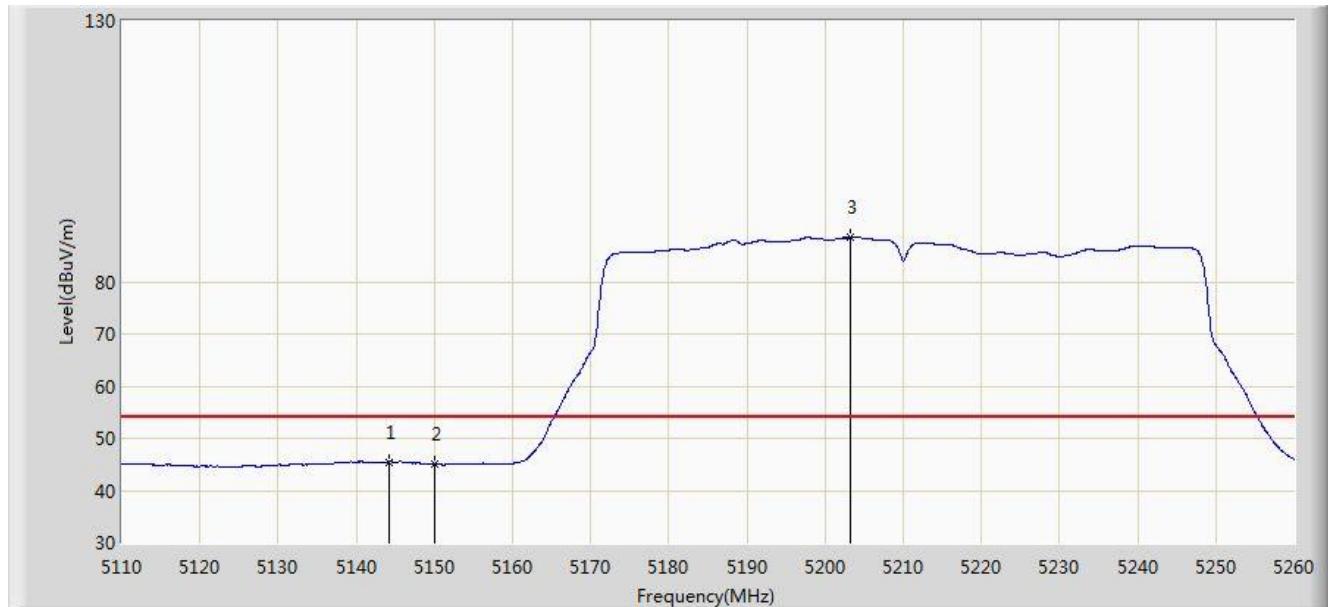


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.125	61.275	57.099	-12.725	74.000	4.176	PK
2			5150.000	59.754	55.585	-14.246	74.000	4.170	PK
3		*	5195.275	102.240	98.225	N/A	N/A	4.015	PK

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

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

Site: AC1	Time: 2016/09/13 - 20:53
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 3	

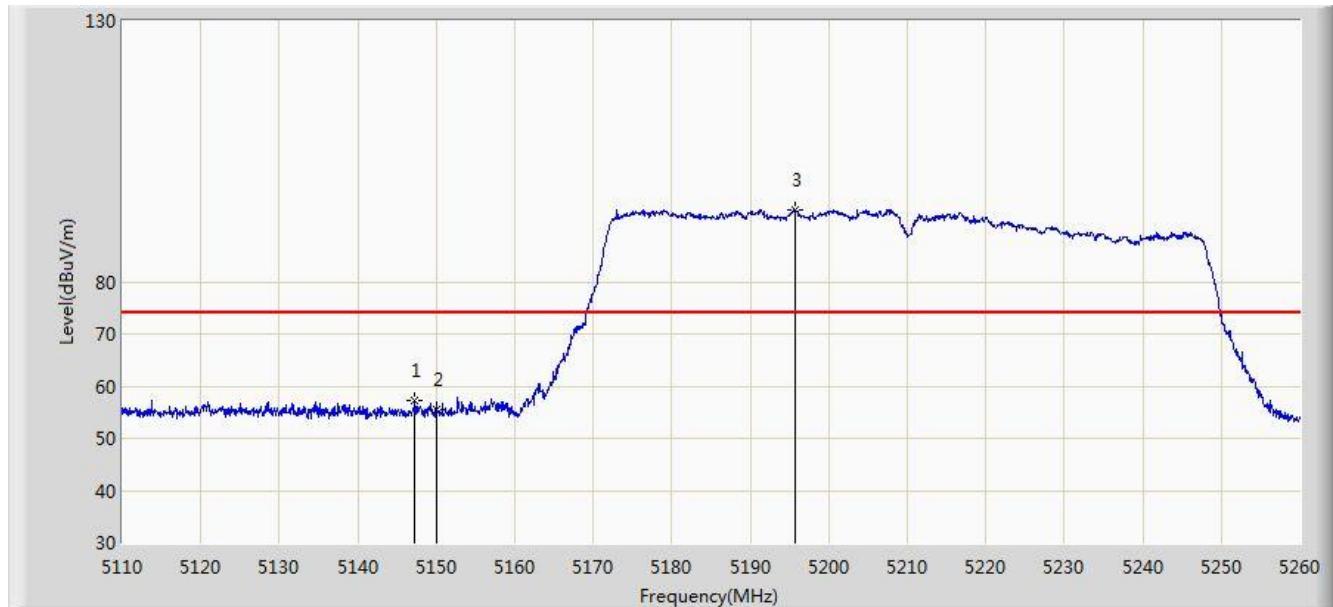


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.200	45.449	41.273	-8.551	54.000	4.176	AV
2			5150.000	45.087	40.918	-8.913	54.000	4.170	AV
3		*	5203.150	88.546	84.557	N/A	N/A	3.989	AV

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

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

Site: AC1	Time: 2016/09/13 - 20:54
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 3	

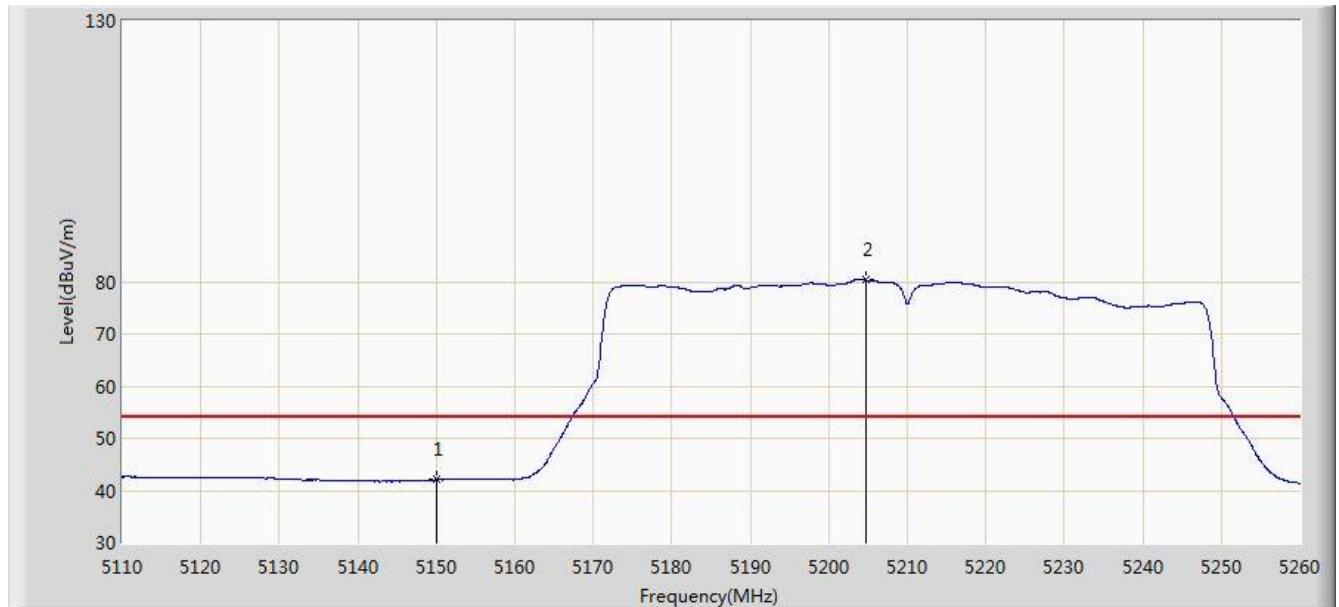


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.275	57.324	53.148	-16.676	74.000	4.176	PK
2			5150.000	55.525	51.356	-18.475	74.000	4.170	PK
3	*		5195.650	93.861	89.848	N/A	N/A	4.013	PK

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

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

Site: AC1	Time: 2016/09/13 - 20:55
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 3	

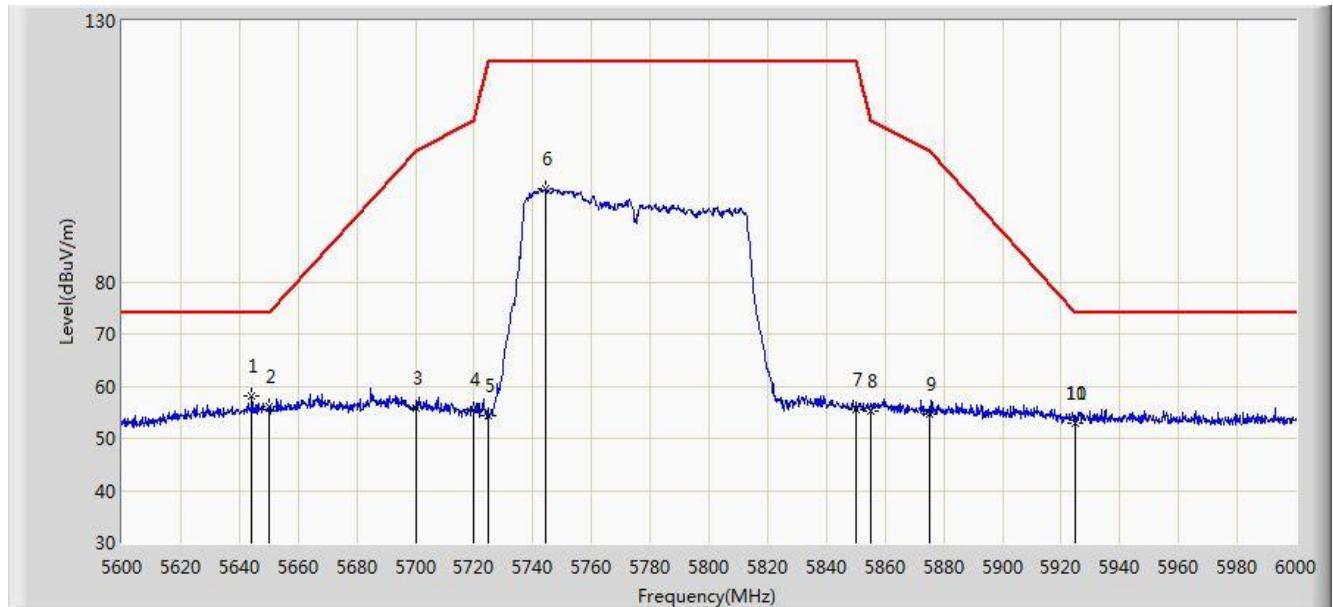


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	42.038	37.869	-11.962	54.000	4.170	AV
2	*		5204.650	80.292	76.307	N/A	N/A	3.984	AV

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

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

Site: AC1	Time: 2016/09/13 - 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 802.11ac-VHT80 at Channel 5775MHz Ant 3	

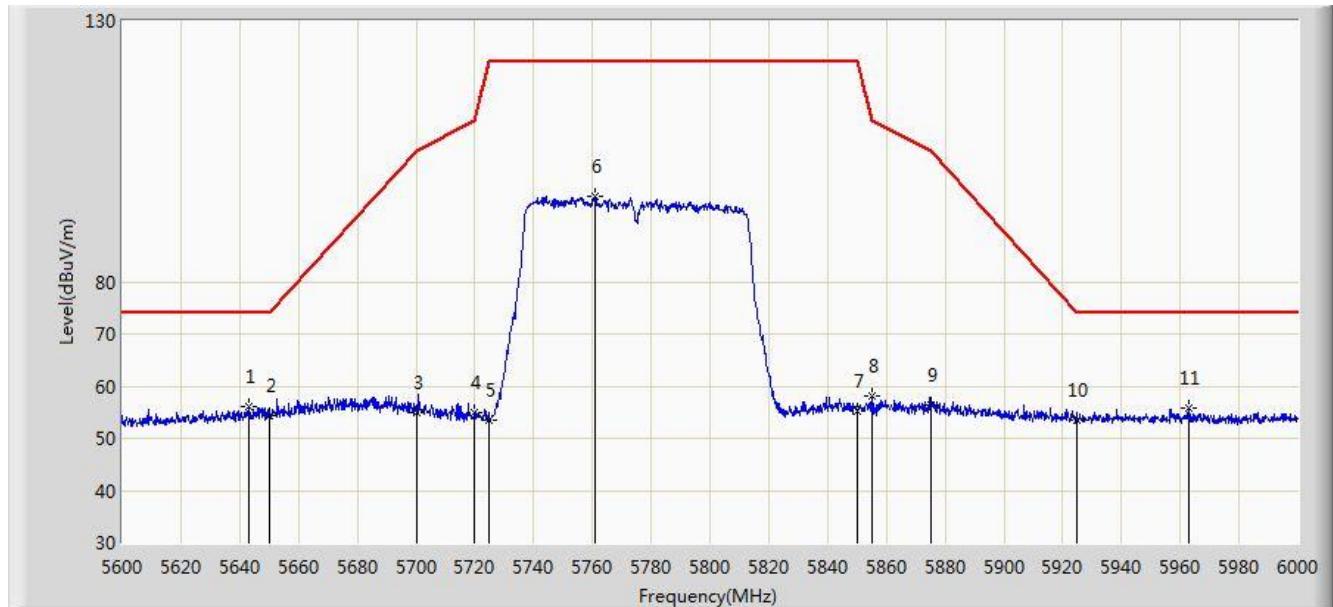


No	Flag	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Margin (dB)	Limit (dBm)	Factor (dB)	Type
1	*		5644.200	57.974	53.322	-16.026	74.000	4.651	PK
2			5650.000	56.051	51.380	-17.949	74.000	4.671	PK
3			5700.000	55.763	50.885	-49.437	105.200	4.878	PK
4			5720.000	55.552	50.555	-55.248	110.800	4.997	PK
5			5725.000	54.298	49.269	-67.902	122.200	5.029	PK
6			5744.200	97.935	92.785	N/A	N/A	5.151	PK
7			5850.000	55.413	49.687	-66.787	122.200	5.726	PK
8			5855.000	55.339	49.593	-55.461	110.800	5.746	PK
9			5875.000	54.709	48.889	-50.491	105.200	5.820	PK
10			5925.000	52.983	47.017	-21.017	74.000	5.967	PK
11			5925.000	52.983	47.017	-21.017	74.000	5.967	PK

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

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

Site: AC1	Time: 2016/09/13 - 21:45
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 3	

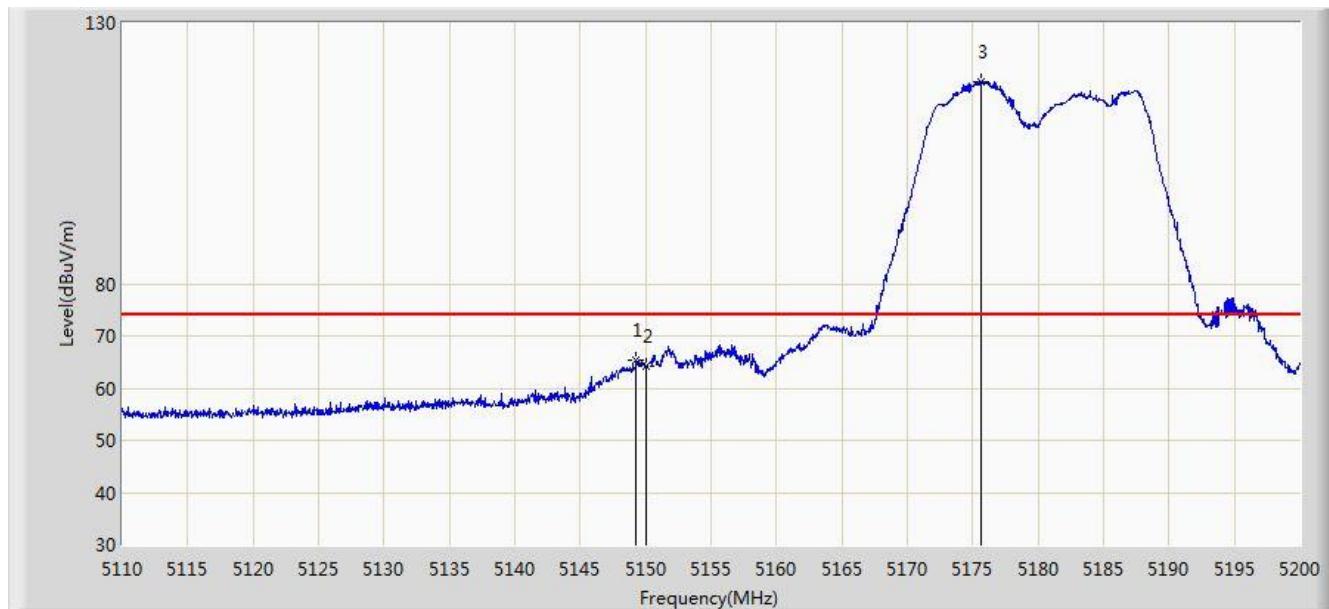


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1	*		5643.000	56.011	51.363	-17.989	74.000	4.648	PK
2			5650.000	54.263	49.592	-19.737	74.000	4.671	PK
3			5700.000	54.797	49.919	-50.403	105.200	4.878	PK
4			5720.000	54.890	49.893	-55.910	110.800	4.997	PK
5			5725.000	53.579	48.550	-68.621	122.200	5.029	PK
6			5760.800	96.382	91.138	N/A	N/A	5.244	PK
7			5850.000	55.120	49.394	-67.080	122.200	5.726	PK
8			5855.000	57.995	52.249	-52.805	110.800	5.746	PK
9			5875.000	56.375	50.555	-48.825	105.200	5.820	PK
10			5925.000	53.408	47.442	-20.592	74.000	5.967	PK
11			5963.000	55.920	49.871	-18.080	74.000	6.049	PK

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

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

Site: AC1	Time: 2016/09/13 - 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 802.11a at Channel 5180MHz Ant 0+1+2+3	

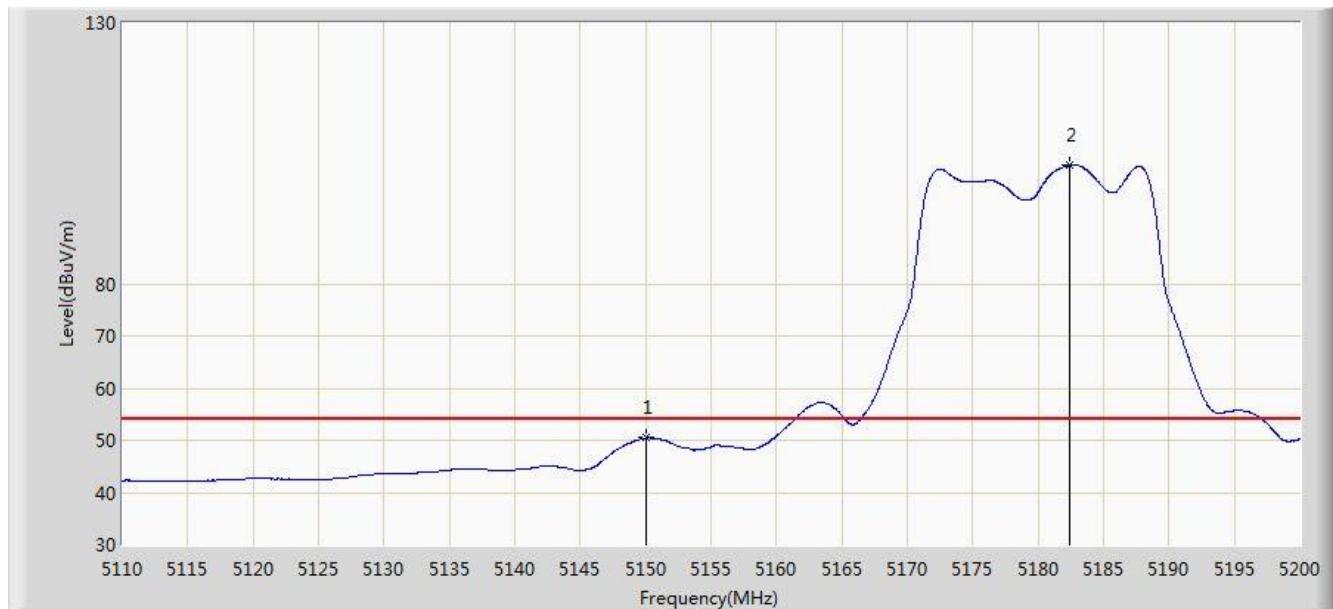


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.285	65.390	61.218	-8.610	74.000	4.171	PK
2			5150.000	64.198	60.029	-9.802	74.000	4.170	PK
3		*	5175.610	118.733	114.649	N/A	N/A	4.085	PK

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

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

Site: AC1	Time: 2016/09/13 - 21:49
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+1+2+3	

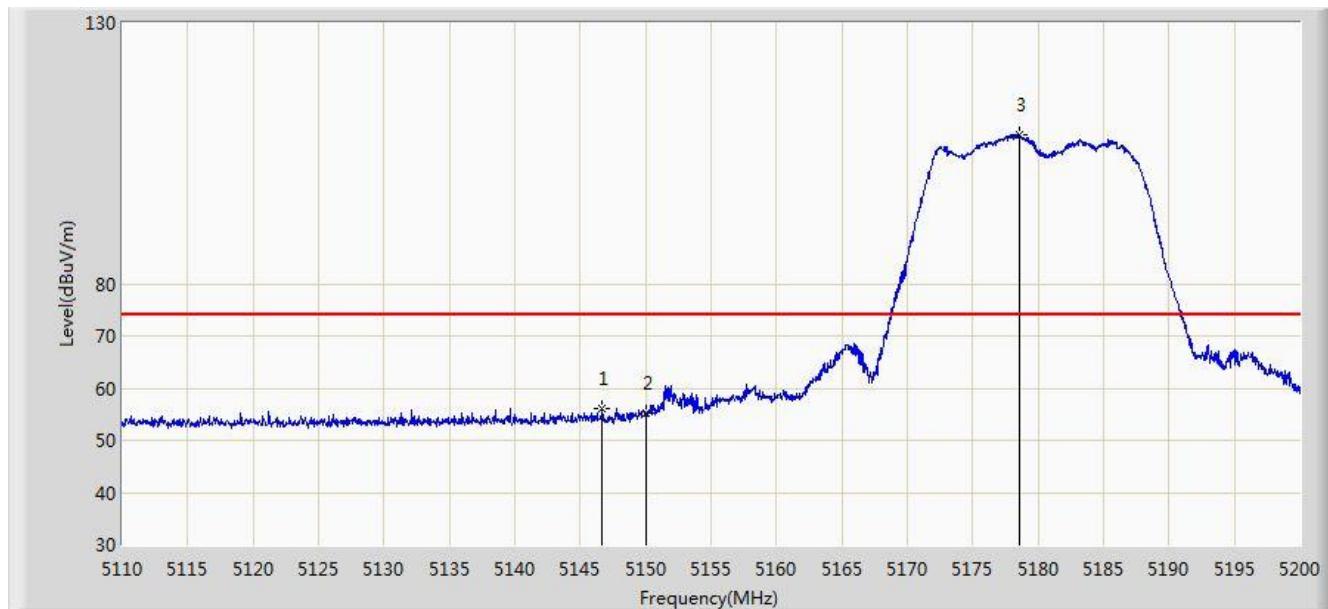


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	50.443	46.274	-3.557	54.000	4.170	AV
2	*		5182.450	102.733	98.673	N/A	N/A	4.060	AV

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

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

Site: AC1	Time: 2016/09/13 - 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 802.11a at Channel 5180MHz Ant 0+1+2+3	

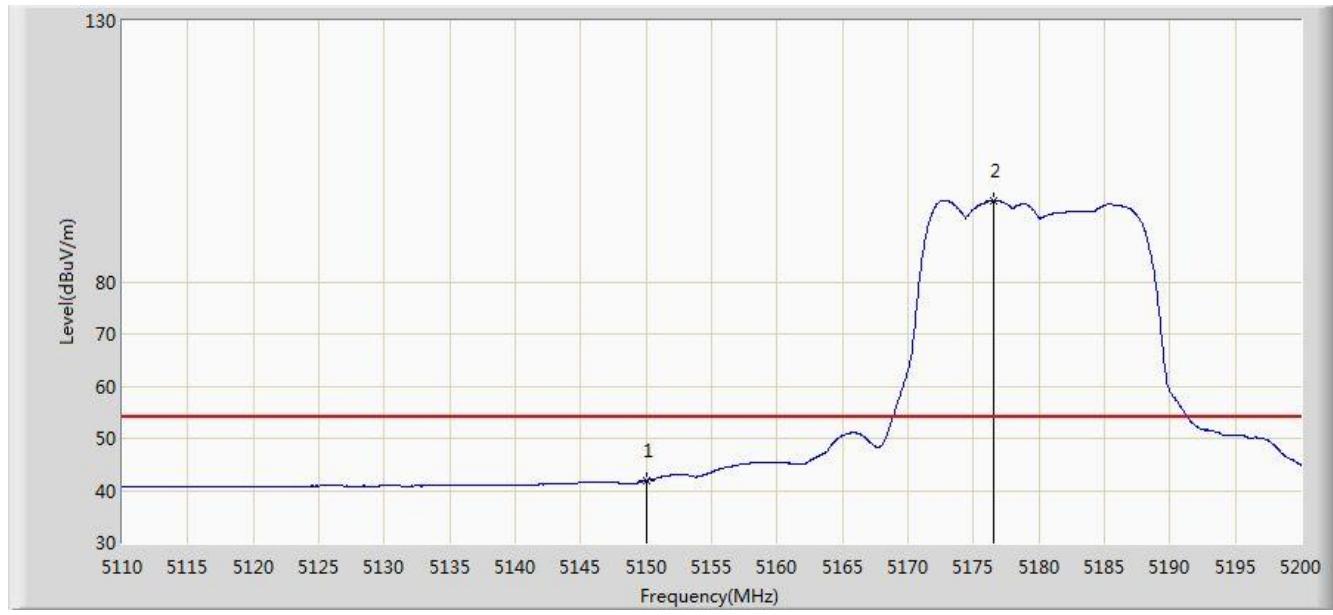


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.675	56.212	52.036	-17.788	74.000	4.176	PK
2			5150.000	55.108	50.939	-18.892	74.000	4.170	PK
3	*	*	5178.580	108.459	104.385	N/A	N/A	4.074	PK

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

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

Site: AC1	Time: 2016/09/13 - 21:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1+2+3	

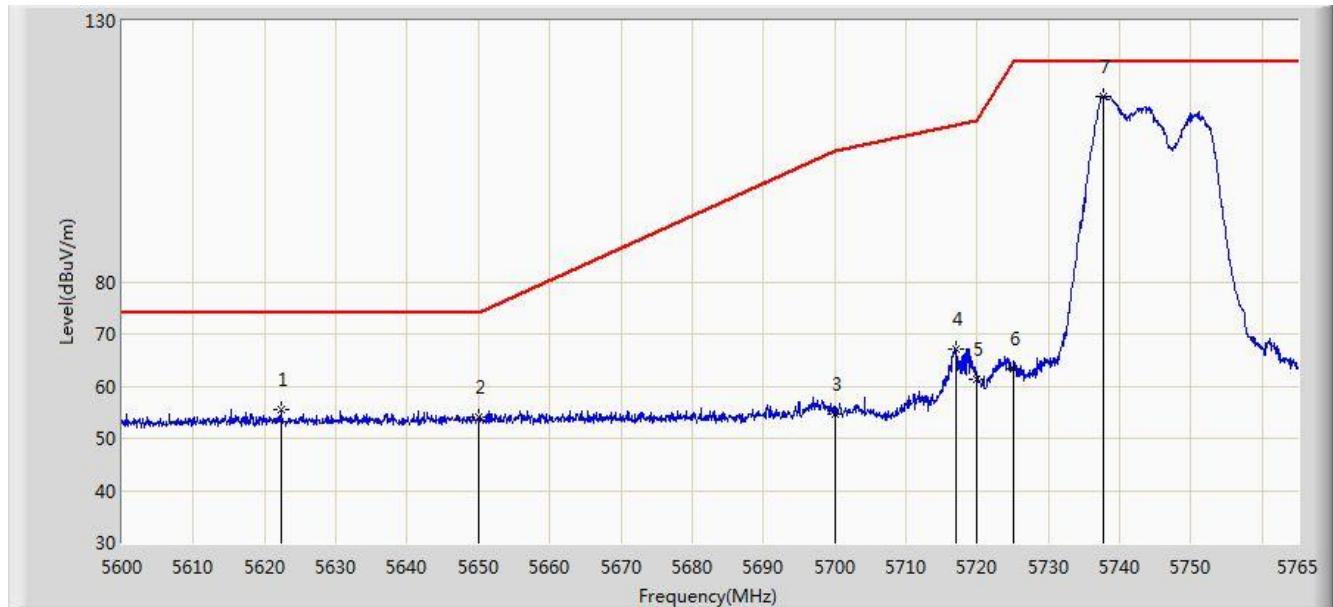


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	41.909	37.740	-12.091	54.000	4.170	AV
2	*		5176.555	95.620	91.539	N/A	N/A	4.081	AV

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

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

Site: AC1	Time: 2016/09/13 - 22:32
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0+1+2+3	

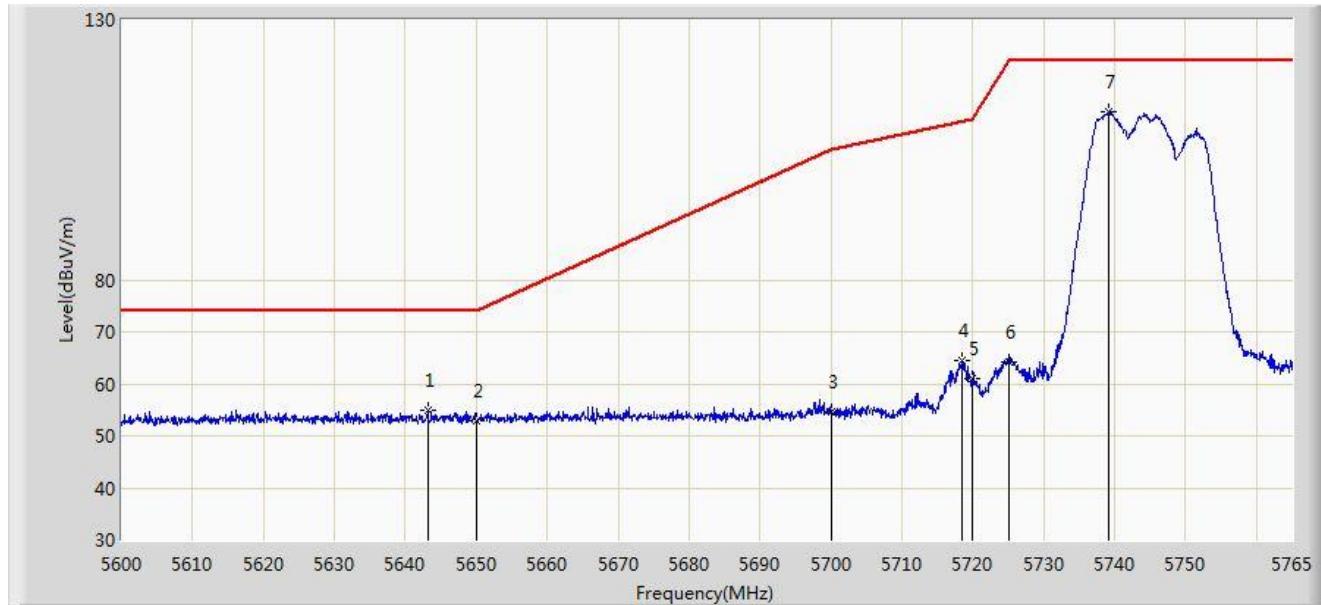


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5622.275	55.633	51.046	-18.367	74.000	4.587	PK
2			5650.000	53.962	49.291	-20.038	74.000	4.671	PK
3			5700.000	54.698	49.820	-50.502	105.200	4.878	PK
4			5716.985	67.170	62.193	-42.787	109.957	4.978	PK
5			5720.000	61.398	56.401	-49.402	110.800	4.997	PK
6			5725.000	63.322	58.293	-58.878	122.200	5.029	PK
7	*		5737.692	115.617	110.507	N/A	N/A	5.109	PK

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

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

Site: AC1	Time: 2016/09/13 - 22:33
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+1+2+3	

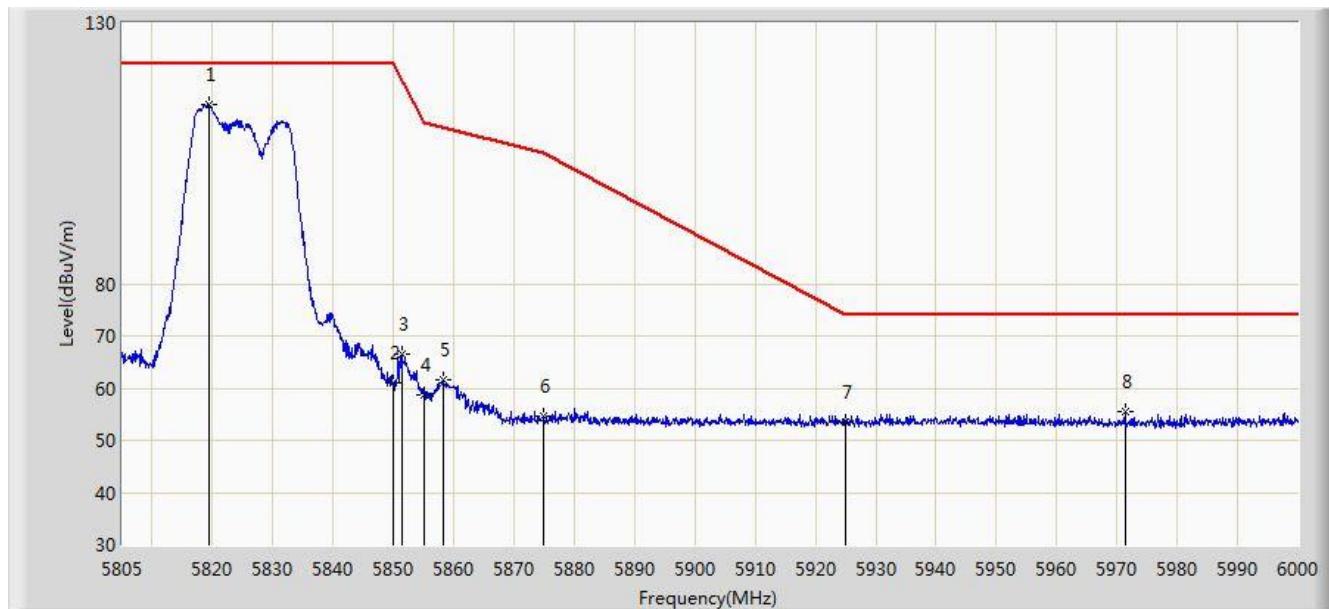


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5643.147	54.885	50.237	-19.115	74.000	4.649	PK
2			5650.000	53.008	48.337	-20.992	74.000	4.671	PK
3			5700.000	54.734	49.856	-50.466	105.200	4.878	PK
4			5718.553	64.514	59.526	-45.882	110.395	4.988	PK
5			5720.000	61.007	56.010	-49.793	110.800	4.997	PK
6			5725.000	64.061	59.032	-58.139	122.200	5.029	PK
7	*		5739.095	112.291	107.172	N/A	N/A	5.119	PK

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

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

Site: AC1	Time: 2016/09/13 - 22:35
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+1+2+3	

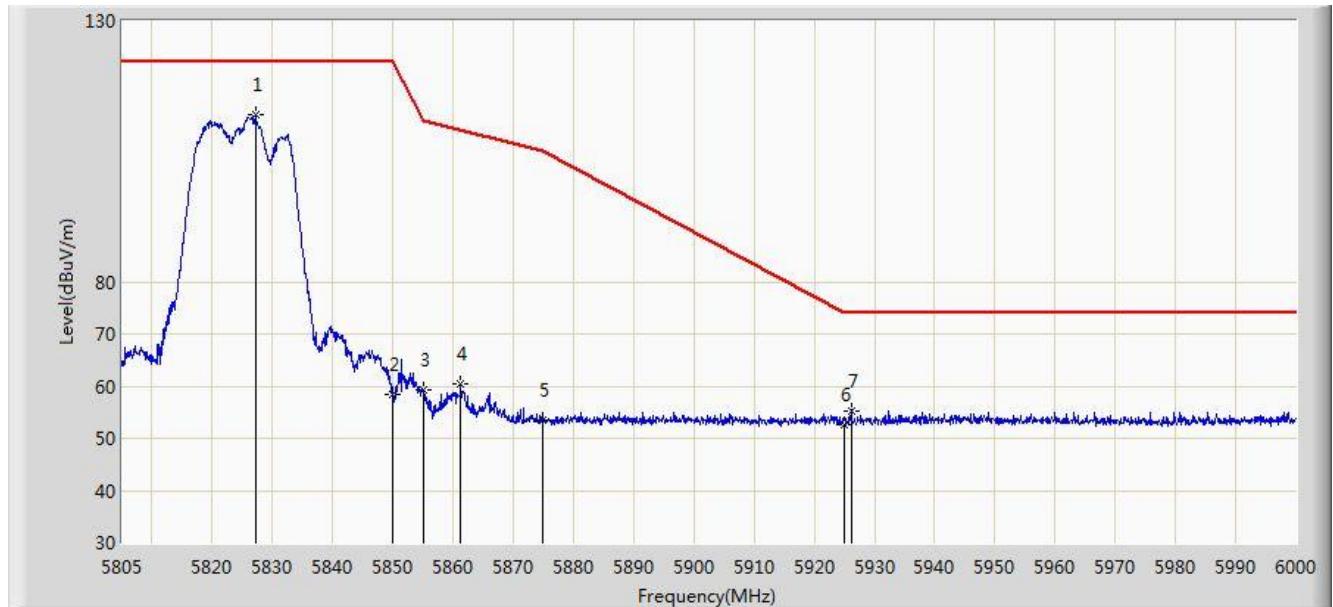


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.333	114.414	108.859	N/A	N/A	5.554	PK
2			5850.000	60.874	55.148	-61.326	122.200	5.726	PK
3			5851.410	66.390	60.659	-52.594	118.984	5.731	PK
4			5855.000	58.811	53.065	-51.989	110.800	5.746	PK
5			5858.235	61.692	55.932	-48.201	109.893	5.760	PK
6			5875.000	54.726	48.906	-50.474	105.200	5.820	PK
7			5925.000	53.614	47.648	-20.386	74.000	5.967	PK
8			5971.335	55.609	49.546	-18.391	74.000	6.063	PK

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

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

Site: AC1	Time: 2016/09/13 - 22:37
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 802.11a at Channel 5825MHz Ant 0+1+2+3	

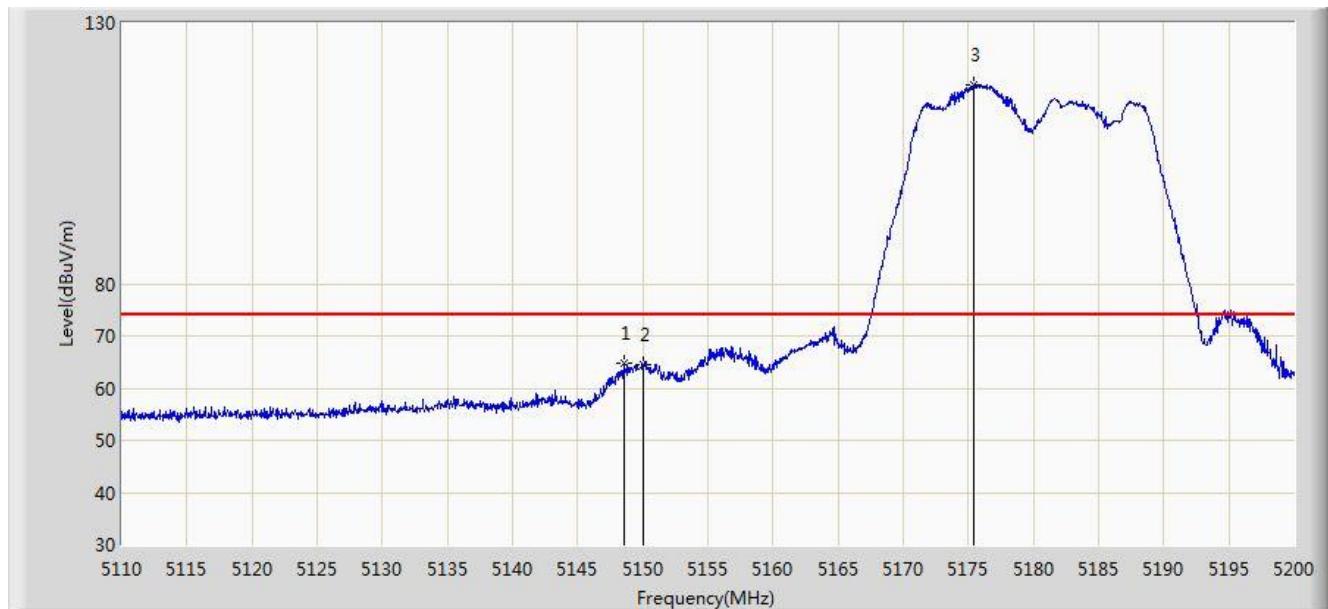


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1		*	5827.132	111.984	106.384	N/A	N/A	5.600	PK
2			5850.000	58.502	52.776	-63.698	122.200	5.726	PK
3			5855.000	59.279	53.533	-51.521	110.800	5.746	PK
4			5861.257	60.416	54.644	-48.630	109.046	5.772	PK
5			5875.000	53.381	47.561	-51.819	105.200	5.820	PK
6			5925.000	52.680	46.714	-21.320	74.000	5.967	PK
7			5926.192	55.356	49.387	-18.644	74.000	5.969	PK

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

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

Site: AC1	Time: 2016/09/13 - 22:39
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+1+2+3	

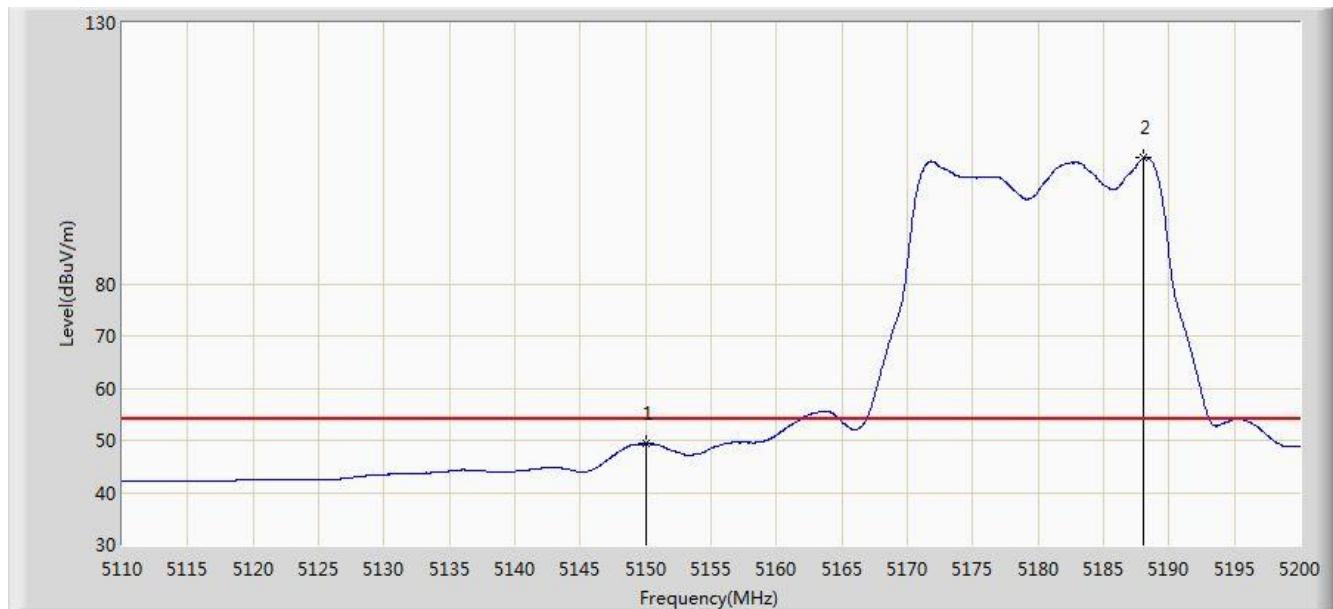


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.610	64.700	60.526	-9.300	74.000	4.174	PK
2			5150.000	64.353	60.184	-9.647	74.000	4.170	PK
3		*	5175.430	118.257	114.172	N/A	N/A	4.084	PK

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

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

Site: AC1	Time: 2016/09/13 - 22:41
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-HT20 at Channel 5180MHz Ant 0+1+2+3	

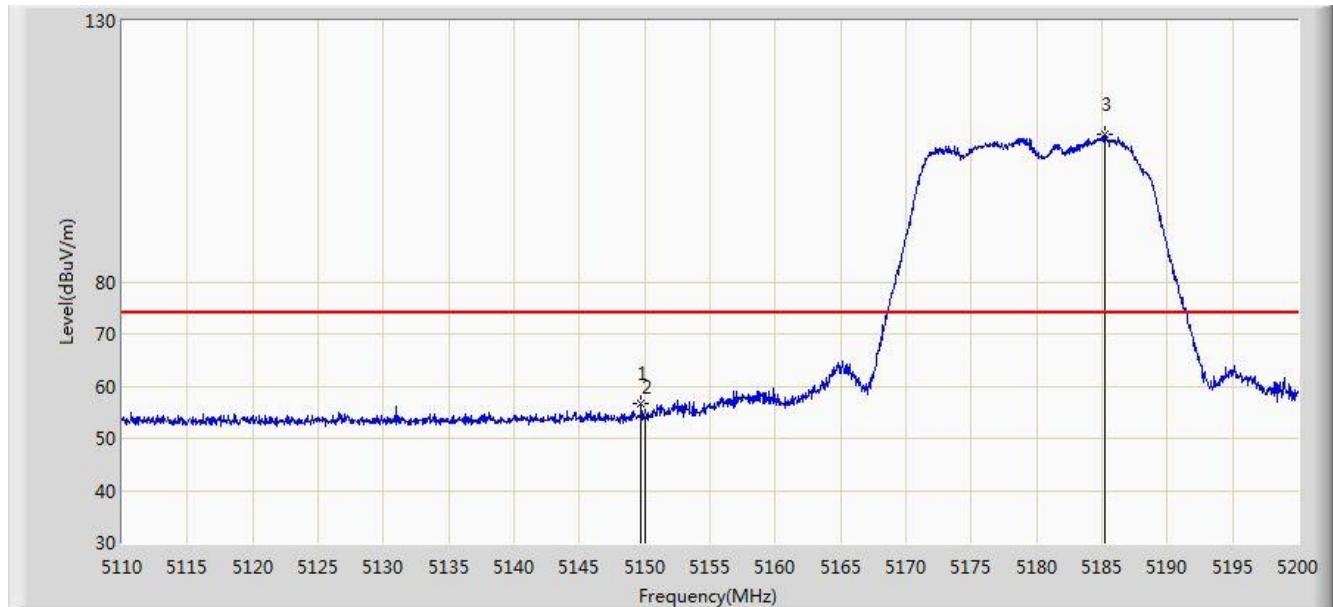


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.340	45.171	-4.660	54.000	4.170	AV
2		*	5188.075	104.174	100.134	N/A	N/A	4.040	AV

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

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

Site: AC1	Time: 2016/09/13 - 22:41
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 802.11n-HT20 at Channel 5180MHz 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			5149.735	56.558	52.388	-17.442	74.000	4.170	PK
2			5150.000	54.022	49.853	-19.978	74.000	4.170	PK
3	*	*	5185.195	108.240	104.190	N/A	N/A	4.050	PK

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

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

Site: AC1	Time: 2016/09/13 - 22:42
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-HT20 at Channel 5180MHz Ant 0+1+2+3	

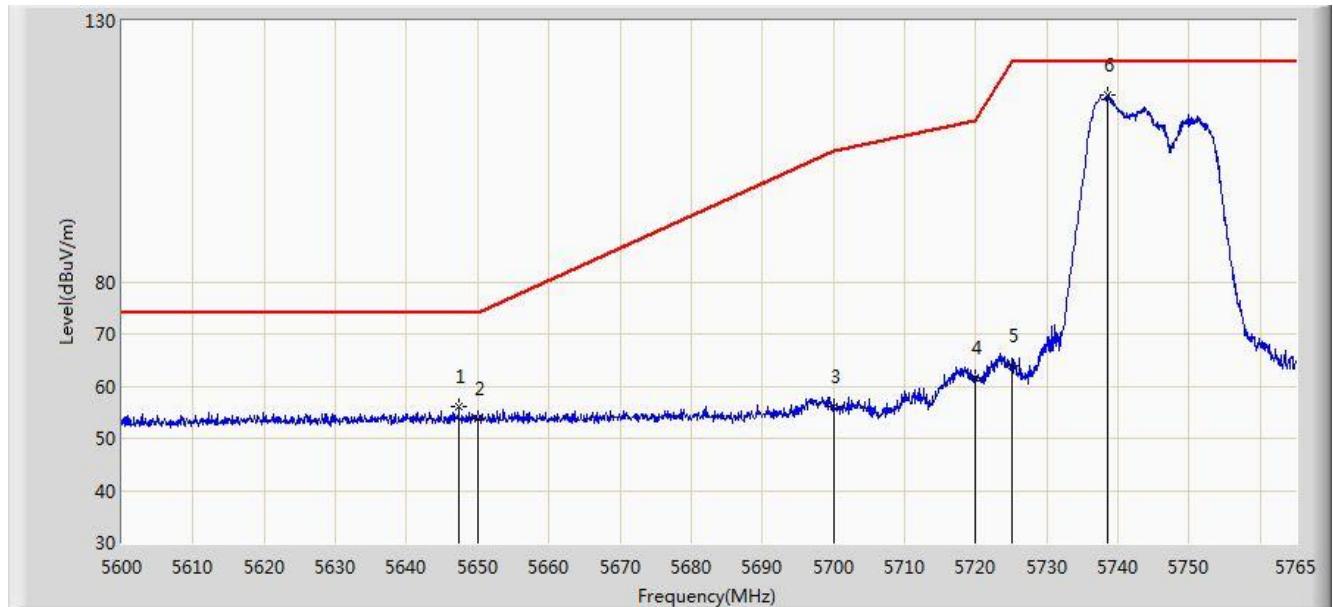


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.235	41.562	37.386	-12.438	54.000	4.176	AV
2			5150.000	41.294	37.125	-12.706	54.000	4.170	AV
3		*	5178.535	95.633	91.559	N/A	N/A	4.074	AV

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

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

Site: AC1	Time: 2016/09/13 - 22:57
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0+1+2+3	

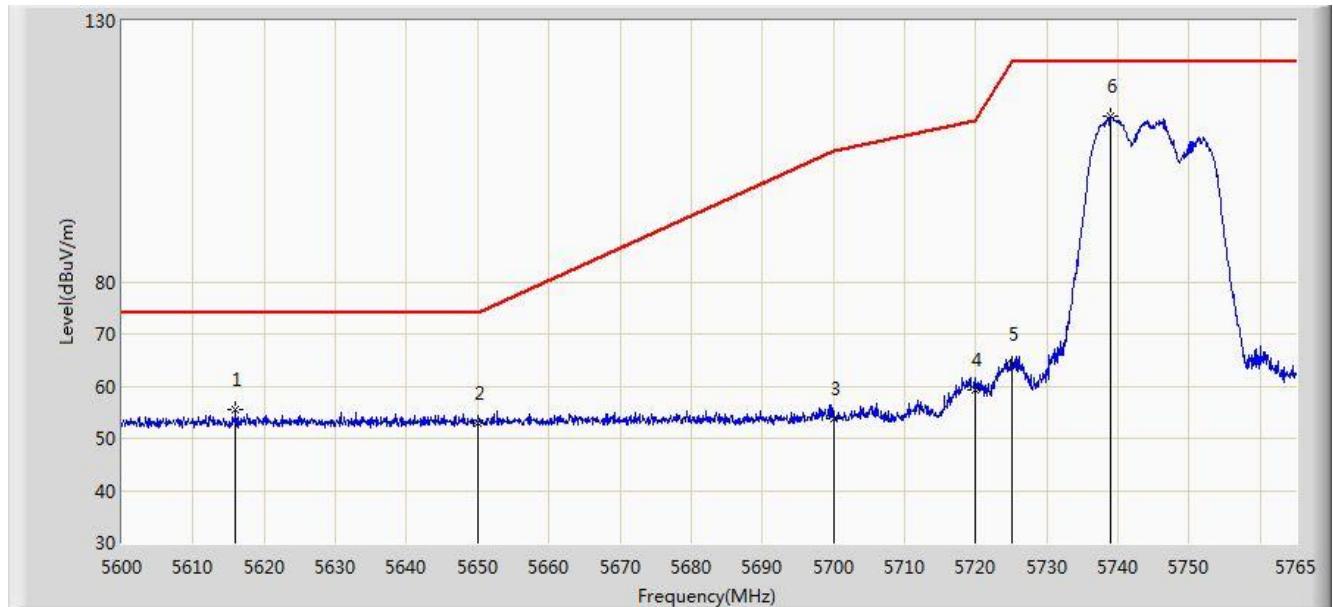


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5647.355	56.019	51.357	-17.981	74.000	4.662	PK
2			5650.000	53.714	49.043	-20.286	74.000	4.671	PK
3			5700.000	56.009	51.131	-49.191	105.200	4.878	PK
4			5720.000	61.695	56.698	-49.105	110.800	4.997	PK
5			5725.000	63.816	58.787	-58.384	122.200	5.029	PK
6	*		5738.600	115.661	110.545	N/A	N/A	5.115	PK

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

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

Site: AC1	Time: 2016/09/13 - 23:00
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 802.11n-HT20 at Channel 5745MHz Ant 0+1+2+3	

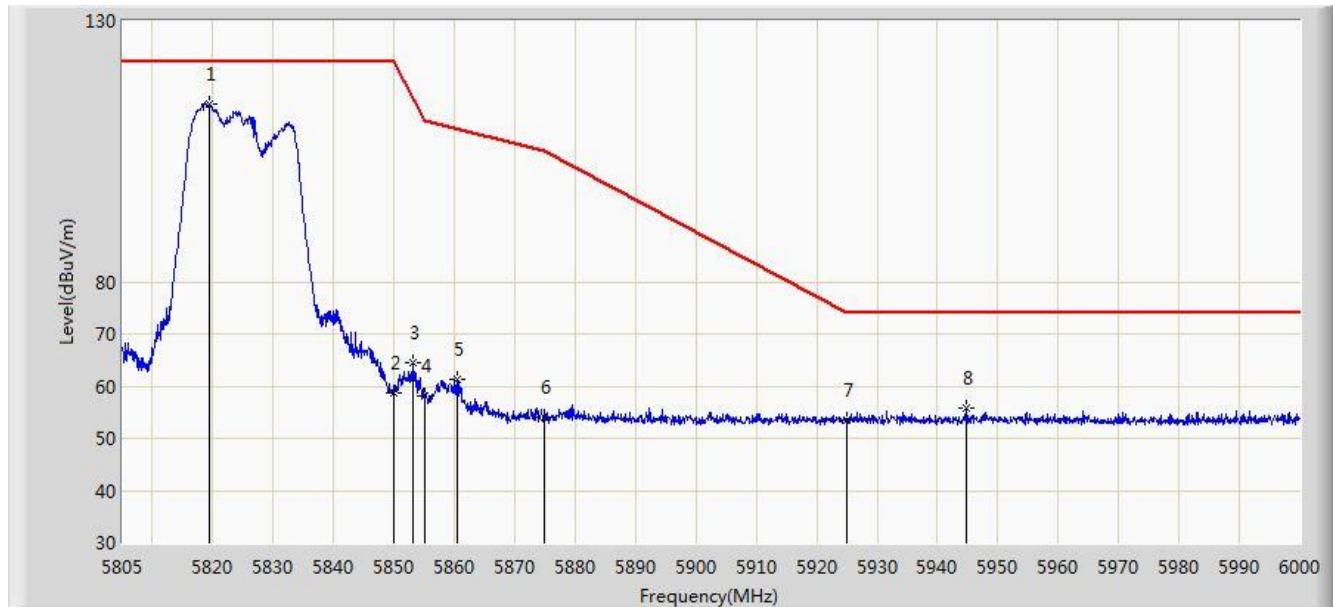


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5616.005	55.447	50.878	-18.553	74.000	4.569	PK
2			5650.000	52.996	48.325	-21.004	74.000	4.671	PK
3			5700.000	53.696	48.818	-51.504	105.200	4.878	PK
4			5720.000	59.357	54.360	-51.443	110.800	4.997	PK
5			5725.000	64.060	59.031	-58.140	122.200	5.029	PK
6	*		5738.848	111.750	106.633	N/A	N/A	5.117	PK

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

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

Site: AC1	Time: 2016/09/13 - 23:01
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 802.11n-HT20 at Channel 5825MHz Ant 0+1+2+3	

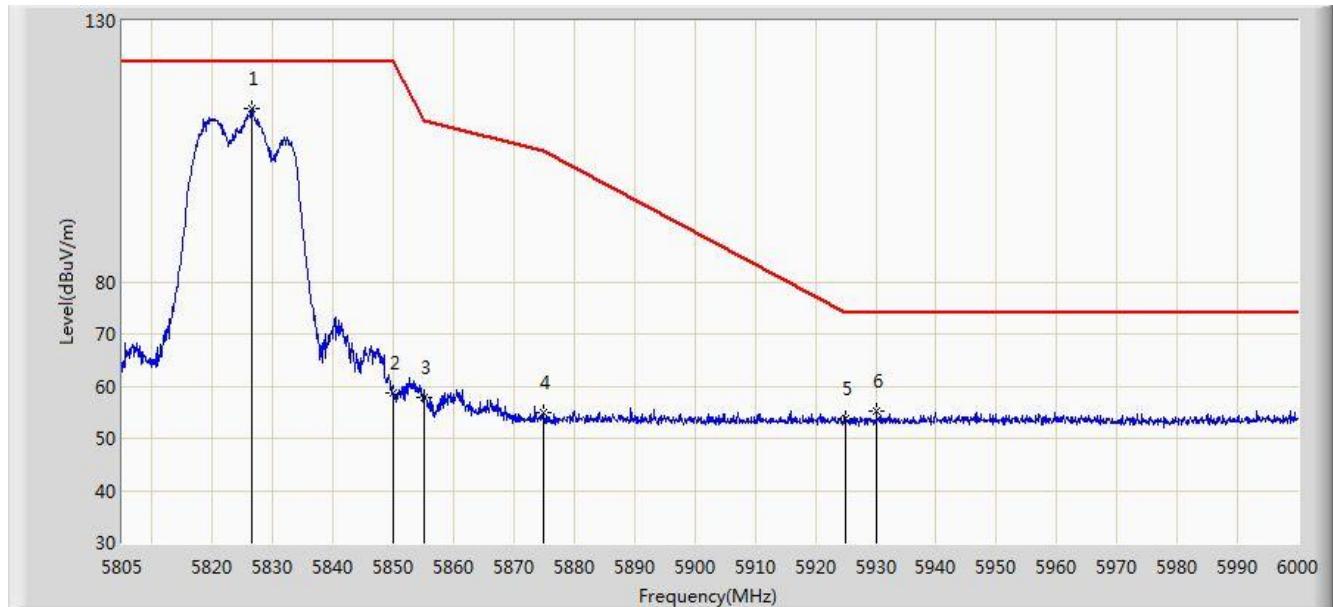


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.430	114.060	108.505	N/A	N/A	5.556	PK
2			5850.000	58.720	52.994	-63.480	122.200	5.726	PK
3			5853.165	64.356	58.617	-50.627	114.983	5.739	PK
4			5855.000	58.031	52.285	-52.769	110.800	5.746	PK
5			5860.380	61.379	55.611	-47.912	109.292	5.769	PK
6			5875.000	54.156	48.336	-51.044	105.200	5.820	PK
7			5925.000	53.538	47.572	-20.462	74.000	5.967	PK
8			5944.717	55.805	49.790	-18.195	74.000	6.015	PK

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

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

Site: AC1	Time: 2016/09/13 - 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 5825MHz Ant 0+1+2+3	

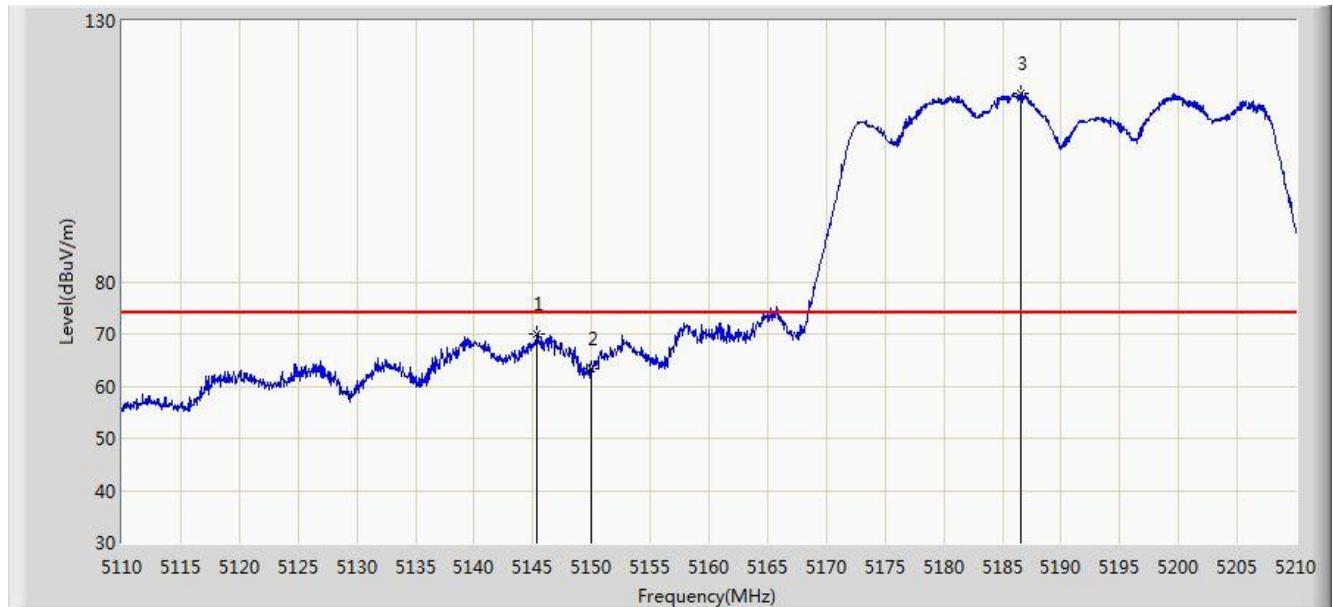


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.547	113.232	107.635	N/A	N/A	5.596	PK
2			5850.000	58.691	52.965	-63.509	122.200	5.726	PK
3			5855.000	57.748	52.002	-53.052	110.800	5.746	PK
4			5875.000	54.865	49.045	-50.335	105.200	5.820	PK
5			5925.000	53.782	47.816	-20.218	74.000	5.967	PK
6			5930.092	55.192	49.213	-18.808	74.000	5.979	PK

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

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

Site: AC1	Time: 2016/09/13 - 23:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0+1+2+3	

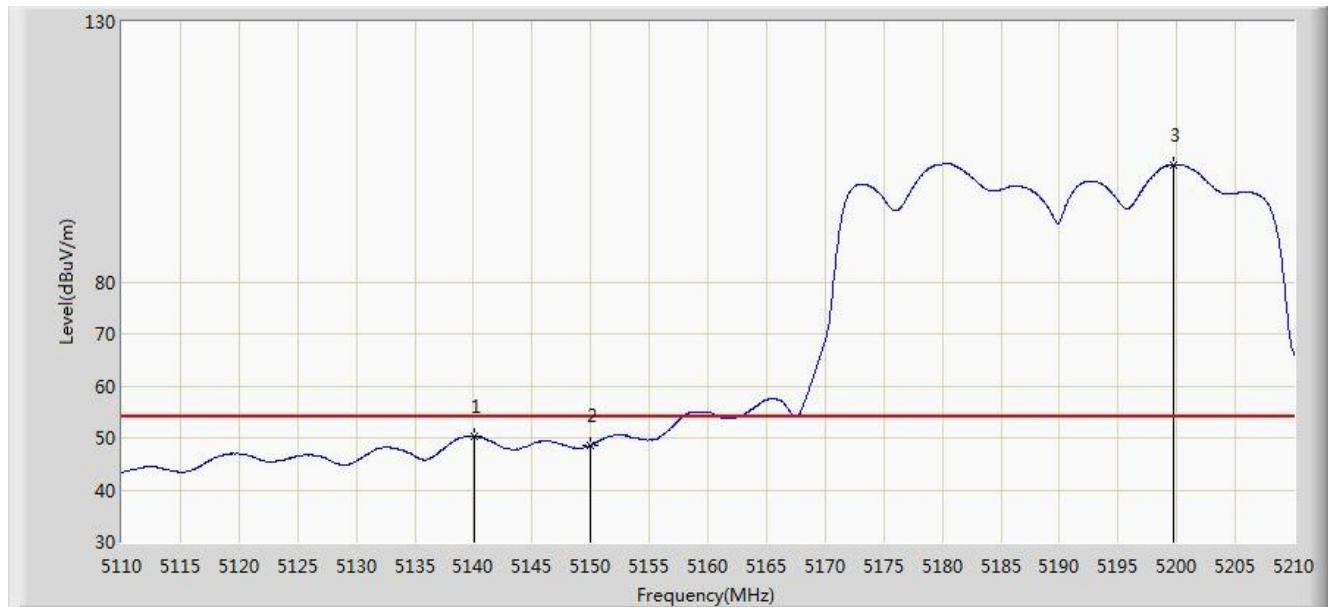


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.350	69.959	65.783	-4.041	74.000	4.176	PK
2			5150.000	63.275	59.106	-10.725	74.000	4.170	PK
3	*	*	5186.600	116.179	112.134	N/A	N/A	4.045	PK

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

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

Site: AC1	Time: 2016/09/13 - 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 0+1+2+3	

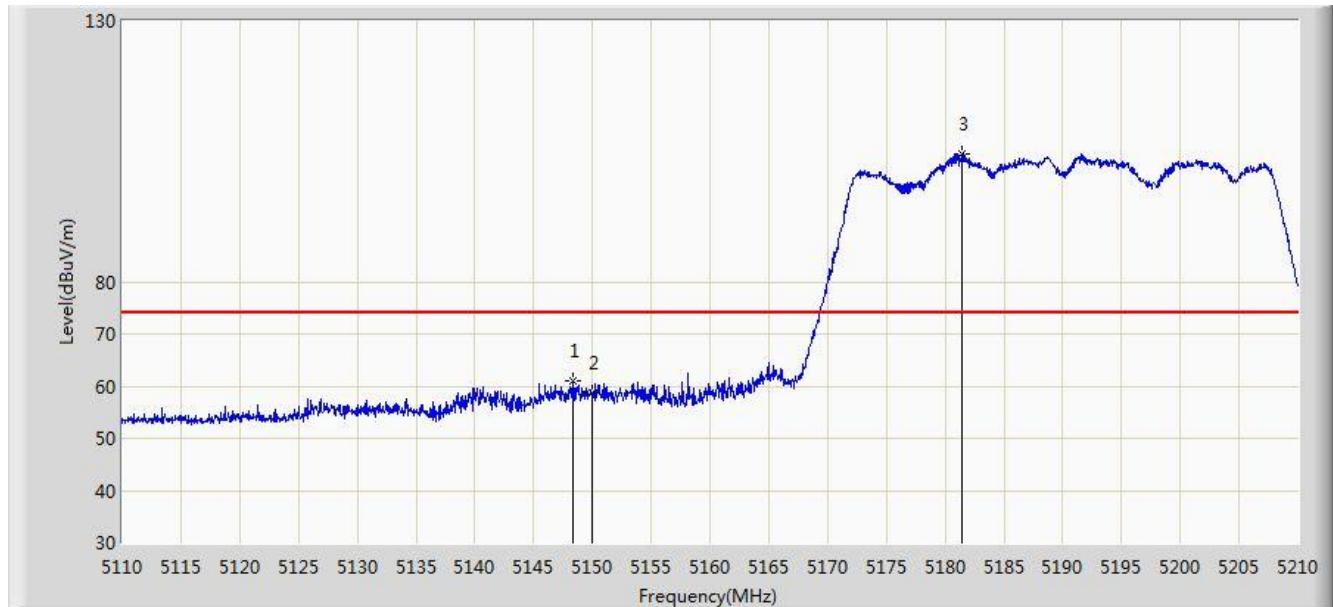


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.100	50.199	46.024	-3.801	54.000	4.175	AV
2			5150.000	48.581	44.412	-5.419	54.000	4.170	AV
3		*	5199.700	102.523	98.524	N/A	N/A	3.999	AV

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

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

Site: AC1	Time: 2016/09/13 - 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 0+1+2+3	

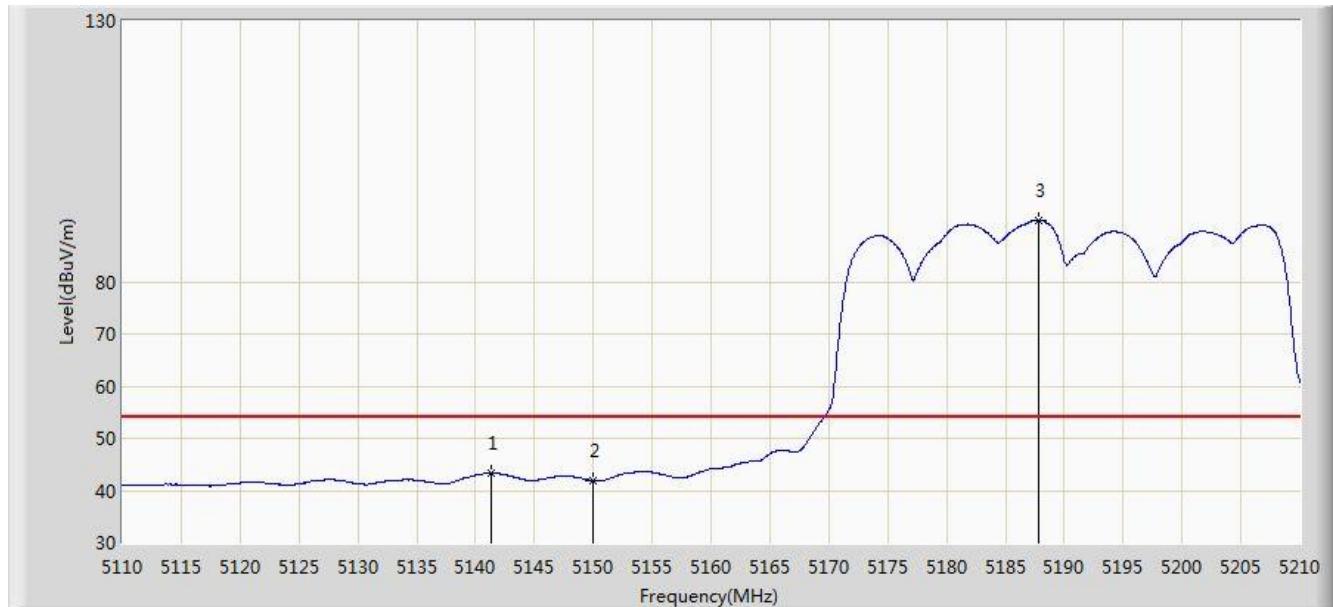


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.300	61.143	56.968	-12.857	74.000	4.174	PK
2			5150.000	58.592	54.423	-15.408	74.000	4.170	PK
3	*	*	5181.400	104.489	100.425	N/A	N/A	4.064	PK

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

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

Site: AC1	Time: 2016/09/13 - 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 0+1+2+3	

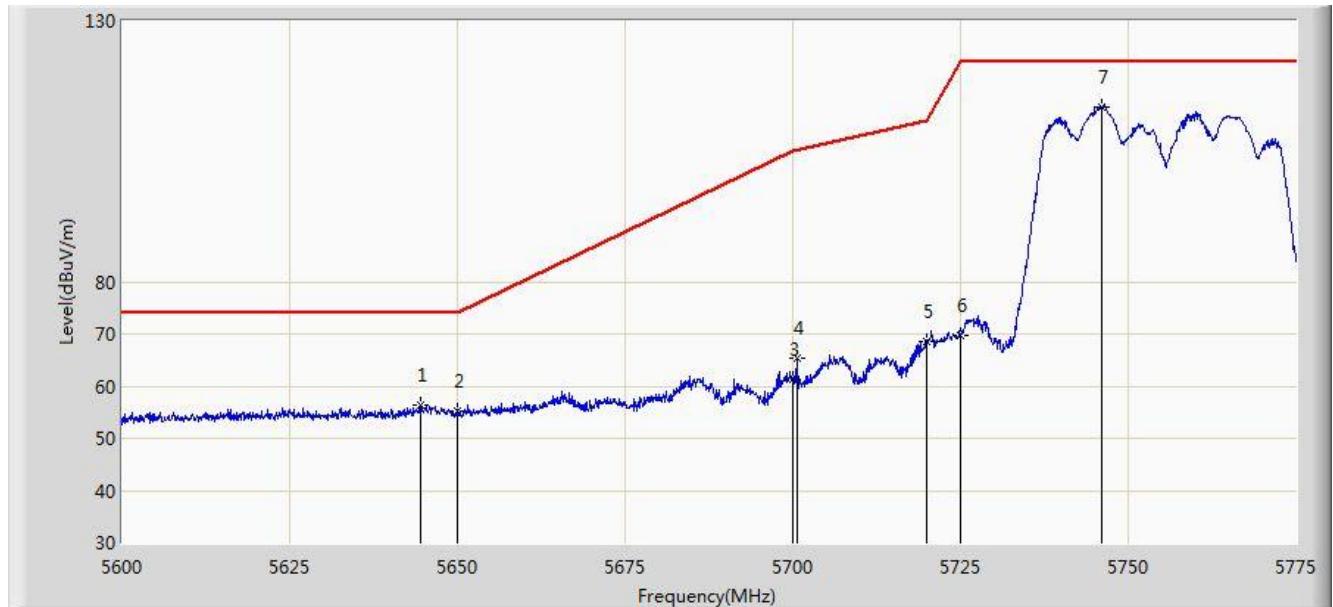


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.350	43.330	39.154	-10.670	54.000	4.175	AV
2			5150.000	41.880	37.711	-12.120	54.000	4.170	AV
3	*		5187.850	91.773	87.732	N/A	N/A	4.041	AV

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

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

Site: AC1	Time: 2016/09/13 - 23:50
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+1+2+3	

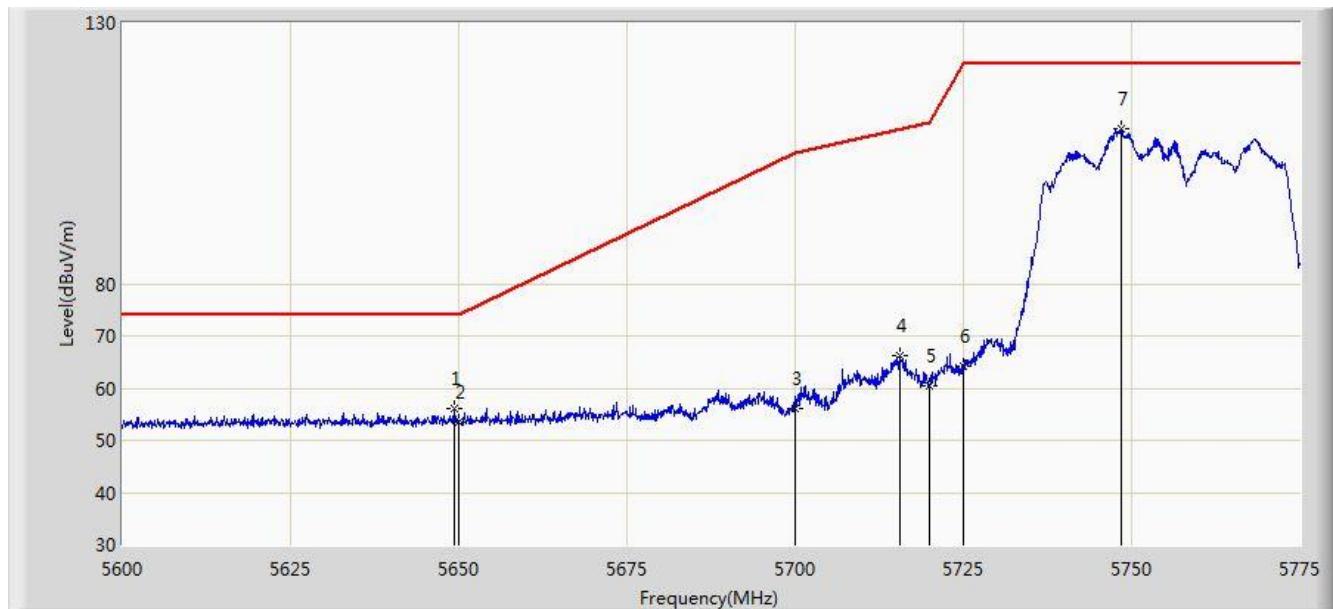


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5644.450	56.311	51.658	-17.689	74.000	4.652	PK
2			5650.000	55.079	50.408	-18.921	74.000	4.671	PK
3			5700.000	61.207	56.329	-43.993	105.200	4.878	PK
4			5700.625	65.315	60.433	-40.061	105.375	4.882	PK
5			5720.000	68.663	63.666	-42.137	110.800	4.997	PK
6			5725.000	69.847	64.818	-52.353	122.200	5.029	PK
7		*	5746.038	113.387	108.226	N/A	N/A	5.161	PK

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

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

Site: AC1	Time: 2016/09/13 - 23:53
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0+1+2+3	

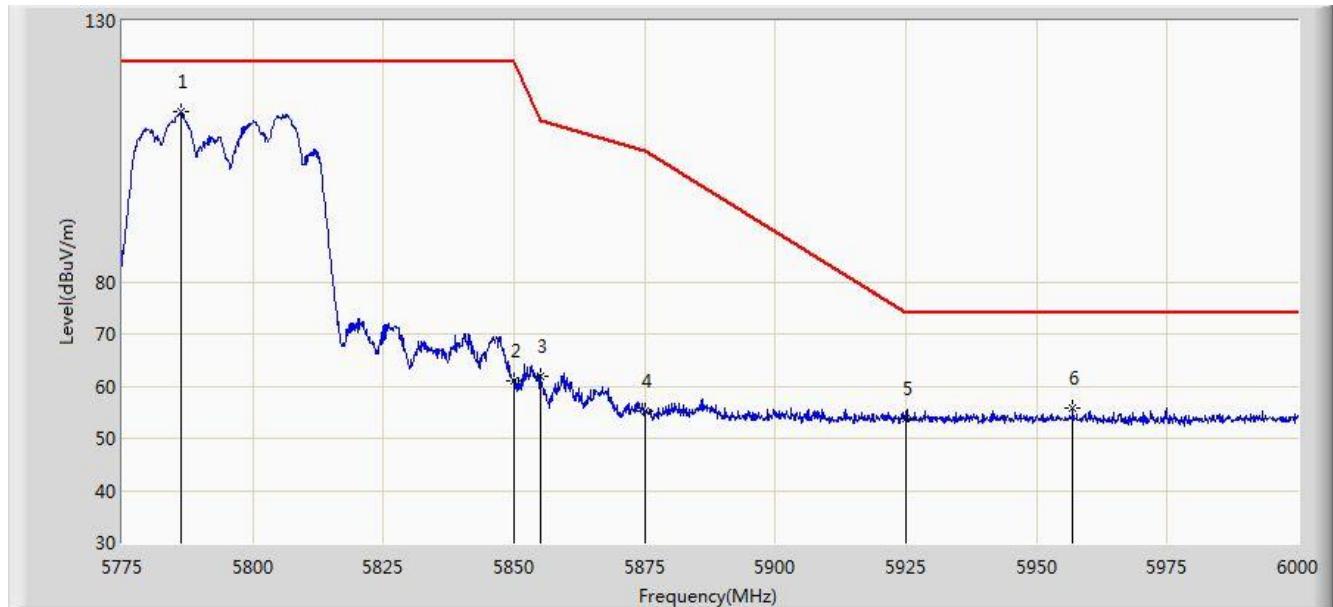


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5649.437	55.974	51.305	-18.026	74.000	4.669	PK
2			5650.000	53.429	48.758	-20.571	74.000	4.671	PK
3			5700.000	56.066	51.188	-49.134	105.200	4.878	PK
4			5715.587	66.277	61.309	-43.289	109.566	4.968	PK
5			5720.000	60.321	55.324	-50.479	110.800	4.997	PK
6			5725.000	64.070	59.041	-58.130	122.200	5.029	PK
7	*		5748.400	109.650	104.476	N/A	N/A	5.173	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: 2016/09/13 - 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 802.11n-HT40 at Channel 5795MHz Ant 0+1+2+3	

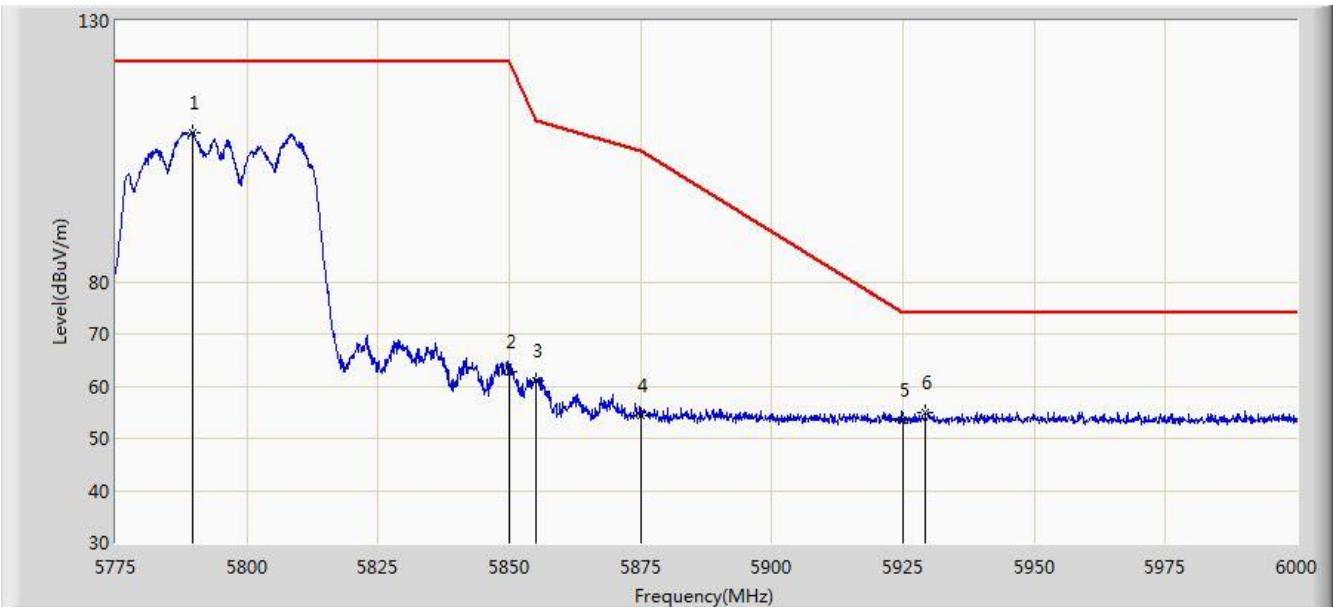


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5786.250	112.497	107.124	N/A	N/A	5.373	PK
2			5850.000	61.005	55.279	-61.195	122.200	5.726	PK
3			5855.000	61.901	56.155	-48.899	110.800	5.746	PK
4			5875.000	55.092	49.272	-50.108	105.200	5.820	PK
5			5925.000	53.713	47.747	-20.287	74.000	5.967	PK
6			5956.913	55.783	49.745	-18.217	74.000	6.038	PK

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

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

Site: AC1	Time: 2016/09/13 - 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 802.11n-HT40 at Channel 5795MHz Ant 0+1+2+3	

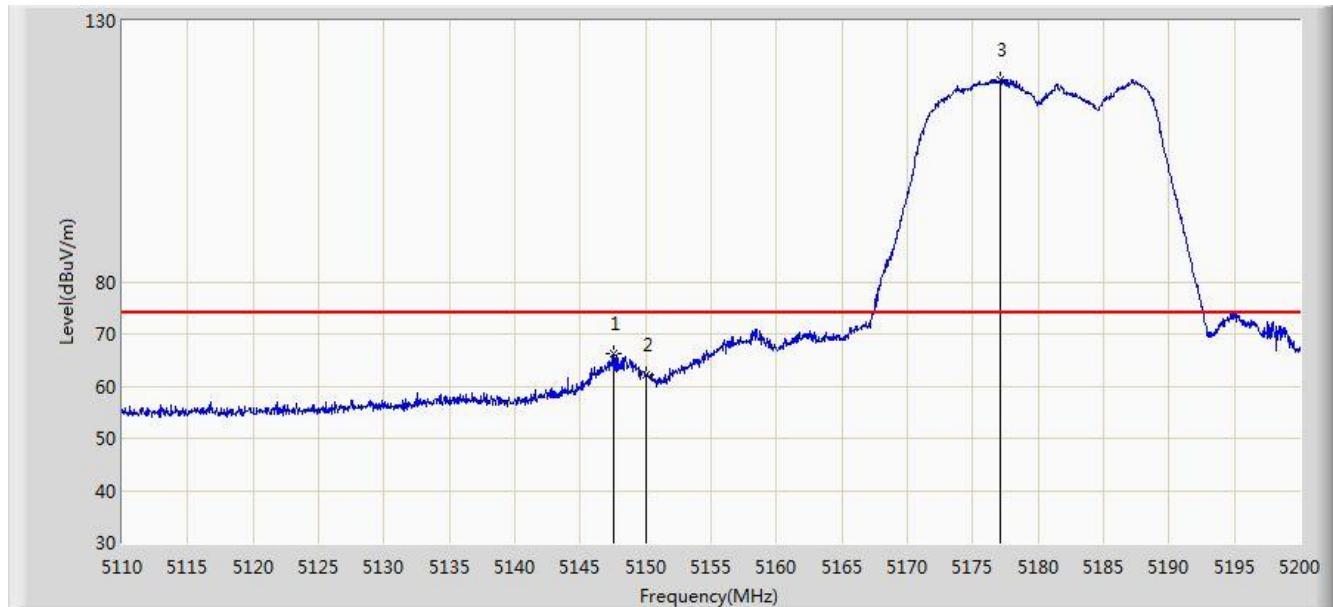


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1		*	5789.625	108.518	103.128	N/A	N/A	5.390	PK
2			5850.000	62.781	57.055	-59.419	122.200	5.726	PK
3			5855.000	61.104	55.358	-49.696	110.800	5.746	PK
4			5875.000	54.491	48.671	-50.709	105.200	5.820	PK
5			5925.000	53.520	47.554	-20.480	74.000	5.967	PK
6			5929.237	54.849	48.872	-19.151	74.000	5.977	PK

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

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

Site: AC1	Time: 2016/09/13 - 23:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 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			5147.530	66.302	62.126	-7.698	74.000	4.176	PK
2			5150.000	62.318	58.149	-11.682	74.000	4.170	PK
3	*	*	5177.050	118.743	114.664	N/A	N/A	4.080	PK

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

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

Site: AC1	Time: 2016/09/14 - 00:01
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+1+2+3	

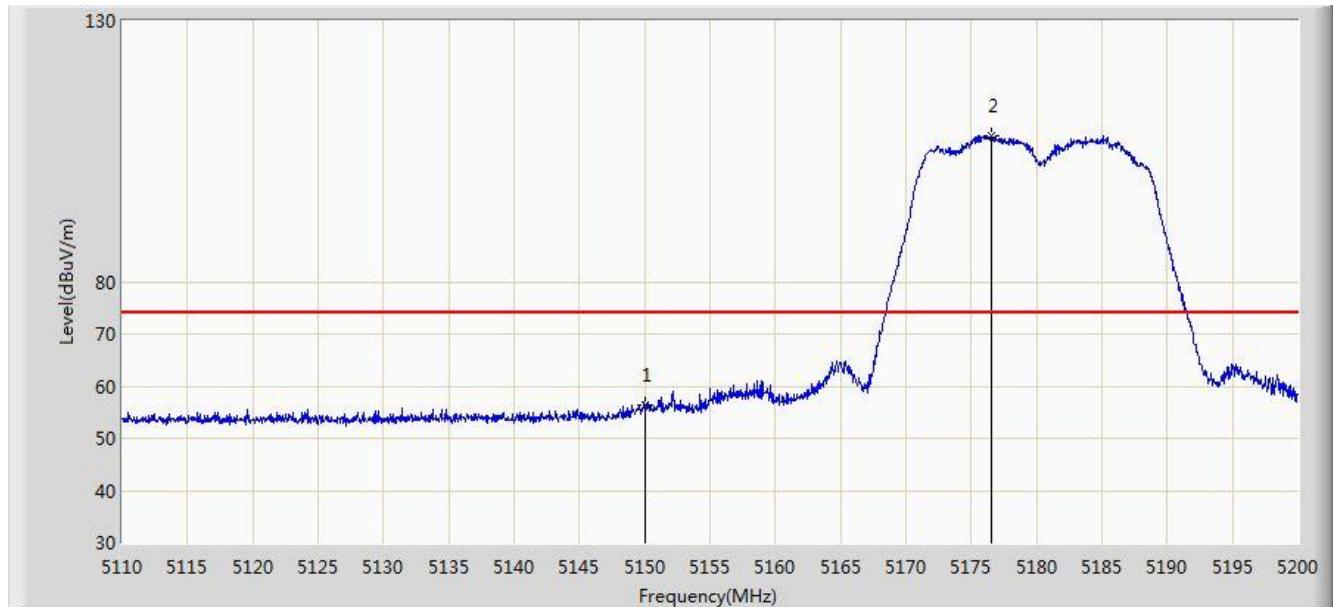


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	51.014	46.845	-2.986	54.000	4.170	AV
2	*	*	5188.345	105.344	101.305	N/A	N/A	4.039	AV

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

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

Site: AC1	Time: 2016/09/14 - 00:01
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+1+2+3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	56.405	52.236	-17.595	74.000	4.170	PK
2	*		5176.510	107.833	103.752	N/A	N/A	4.081	PK

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

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

Site: AC1	Time: 2016/09/14 - 00:03
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+1+2+3	

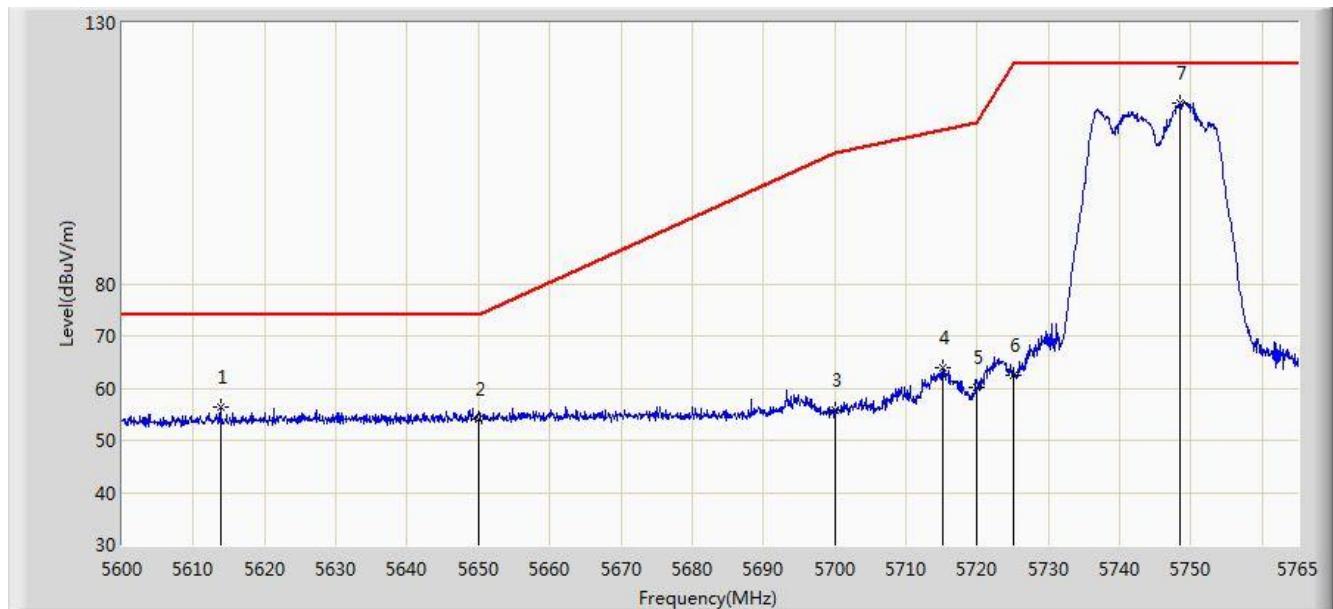


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	42.292	38.123	-11.708	54.000	4.170	AV
2	*		5177.320	93.524	89.446	N/A	N/A	4.078	AV

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

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

Site: AC1	Time: 2016/09/14 - 00:22
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0+1+2+3	

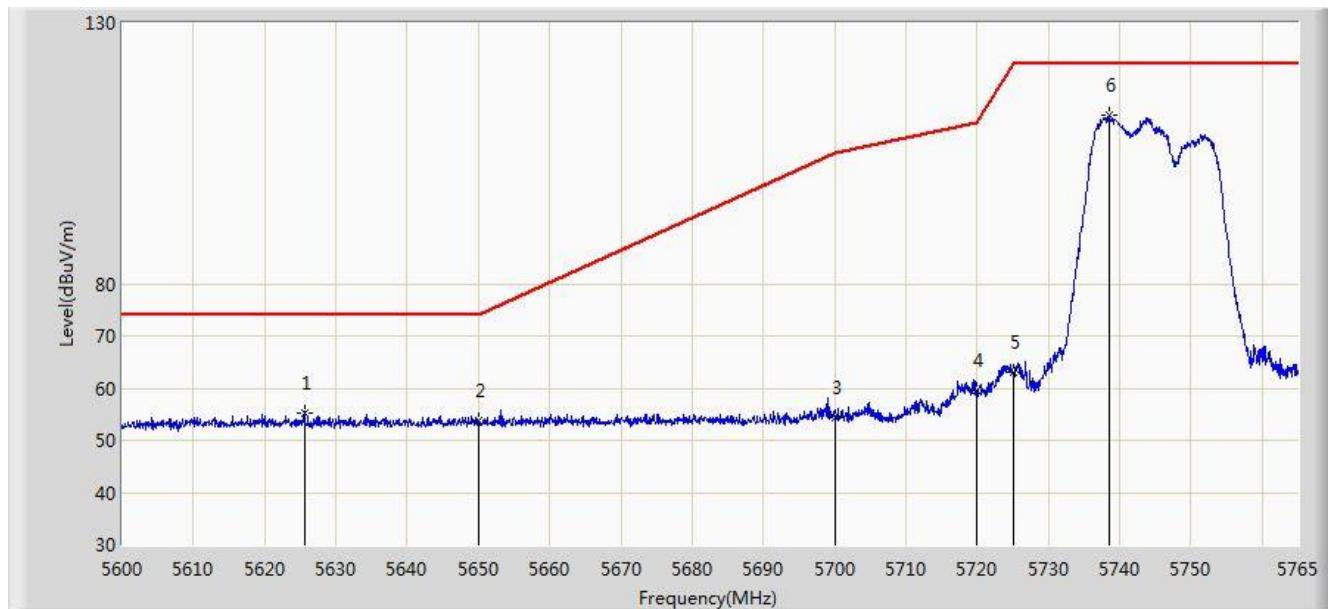


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5613.777	56.334	51.771	-17.666	74.000	4.563	PK
2			5650.000	54.042	49.371	-19.958	74.000	4.671	PK
3			5700.000	55.711	50.833	-49.489	105.200	4.878	PK
4			5715.087	63.774	58.809	-45.652	109.426	4.965	PK
5			5720.000	60.078	55.081	-50.722	110.800	4.997	PK
6			5725.000	62.456	57.427	-59.744	122.200	5.029	PK
7	*		5748.500	114.641	109.466	N/A	N/A	5.175	PK

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

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

Site: AC1	Time: 2016/09/14 - 00:23
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0+1+2+3	

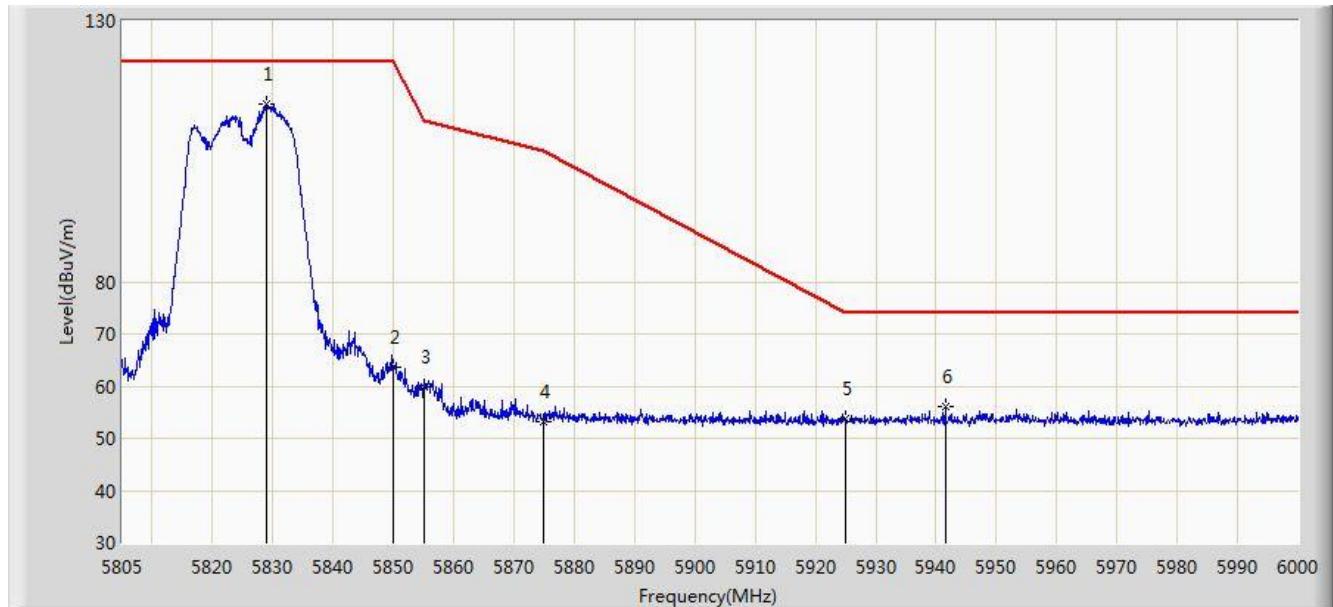


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5625.575	55.361	50.765	-18.639	74.000	4.597	PK
2			5650.000	53.733	49.062	-20.267	74.000	4.671	PK
3			5700.000	54.245	49.367	-50.955	105.200	4.878	PK
4			5720.000	59.428	54.431	-51.372	110.800	4.997	PK
5			5725.000	63.111	58.082	-59.089	122.200	5.029	PK
6	*		5738.518	112.414	107.299	N/A	N/A	5.115	PK

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

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

Site: AC1	Time: 2016/09/14 - 00:24
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 802.11ac-VHT20 at Channel 5825MHz Ant 0+1+2+3	

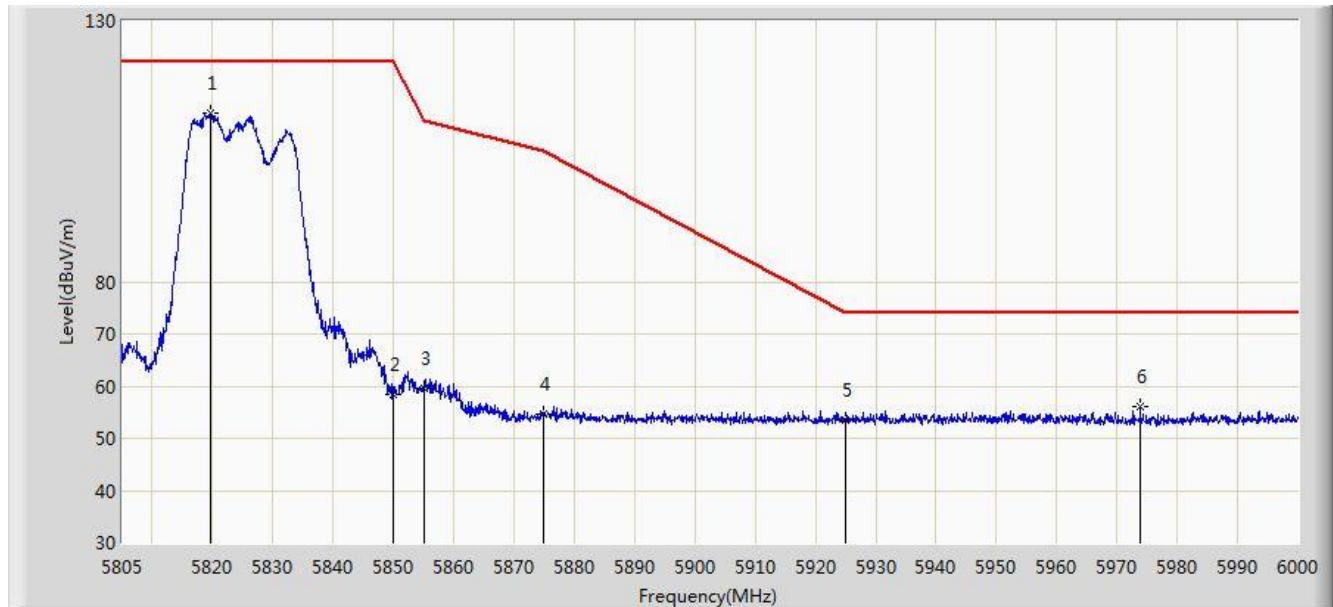


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*		5828.888	113.925	108.314	N/A	N/A	5.610	PK
2			5850.000	63.755	58.029	-58.445	122.200	5.726	PK
3			5855.000	59.931	54.185	-50.869	110.800	5.746	PK
4			5875.000	53.109	47.289	-52.091	105.200	5.820	PK
5			5925.000	53.757	47.791	-20.243	74.000	5.967	PK
6			5941.598	55.993	49.986	-18.007	74.000	6.007	PK

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

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

Site: AC1	Time: 2016/09/14 - 00:25
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+1+2+3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.723	112.296	106.739	N/A	N/A	5.558	PK
2			5850.000	58.418	52.692	-63.782	122.200	5.726	PK
3			5855.000	59.708	53.962	-51.092	110.800	5.746	PK
4			5875.000	54.760	48.940	-50.440	105.200	5.820	PK
5			5925.000	53.619	47.653	-20.381	74.000	5.967	PK
6			5973.870	56.048	49.981	-17.952	74.000	6.068	PK

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

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

Site: AC1	Time: 2016/09/14 - 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 802.11ac-VHT40 at Channel 5190MHz Ant 0+1+2+3	

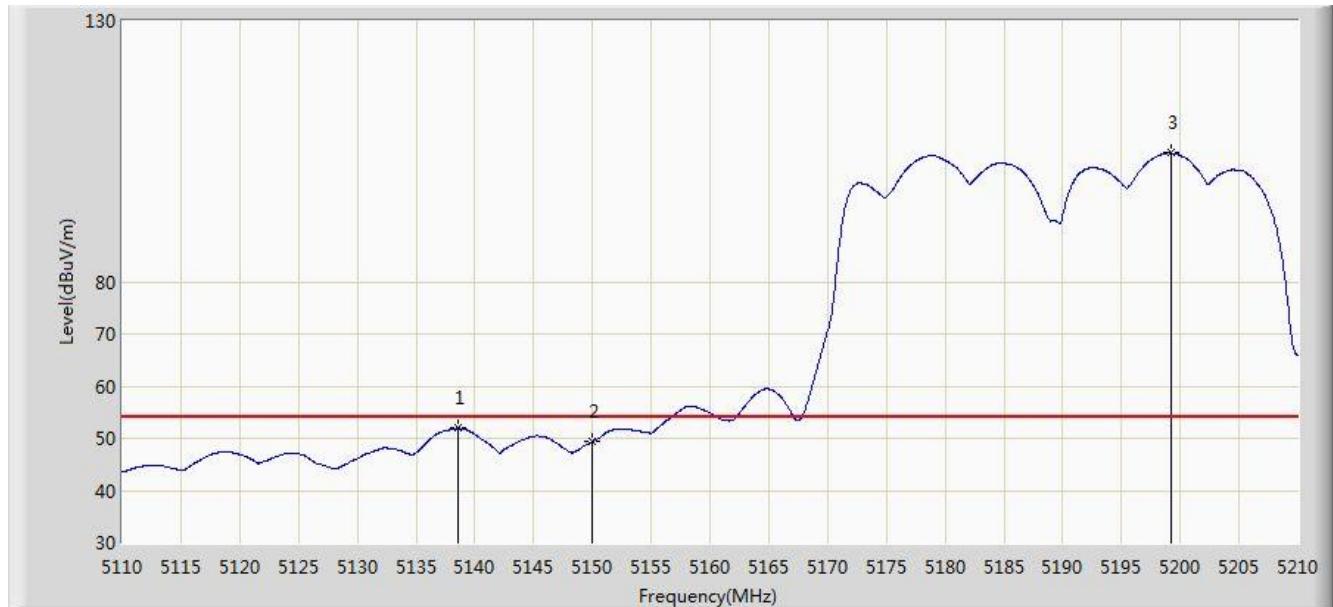


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5139.300	70.199	66.024	-3.801	74.000	4.176	PK
2			5150.000	65.374	61.205	-8.626	74.000	4.170	PK
3		*	5199.000	117.400	113.399	N/A	N/A	4.001	PK

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

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

Site: AC1	Time: 2016/09/14 - 00:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1+2+3	

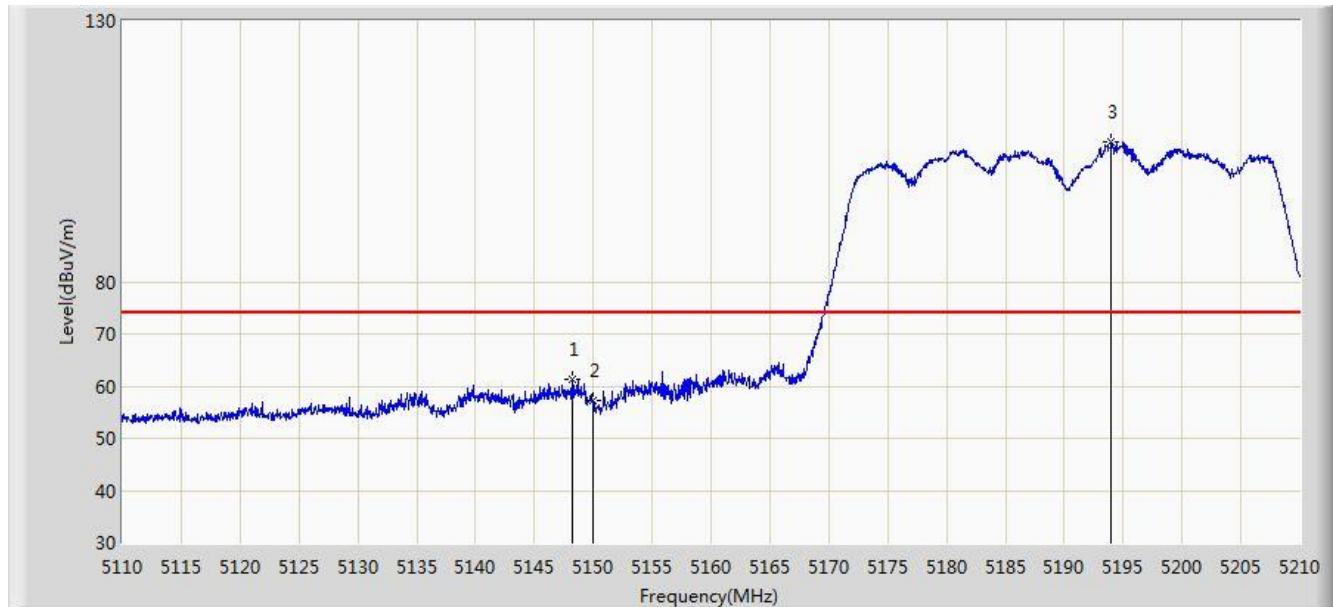


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5138.550	51.906	47.731	-2.094	54.000	4.175	AV
2			5150.000	49.323	45.154	-4.677	54.000	4.170	AV
3	*	*	5199.200	104.667	100.666	N/A	N/A	4.001	AV

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

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

Site: AC1	Time: 2016/09/14 - 00:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1+2+3	

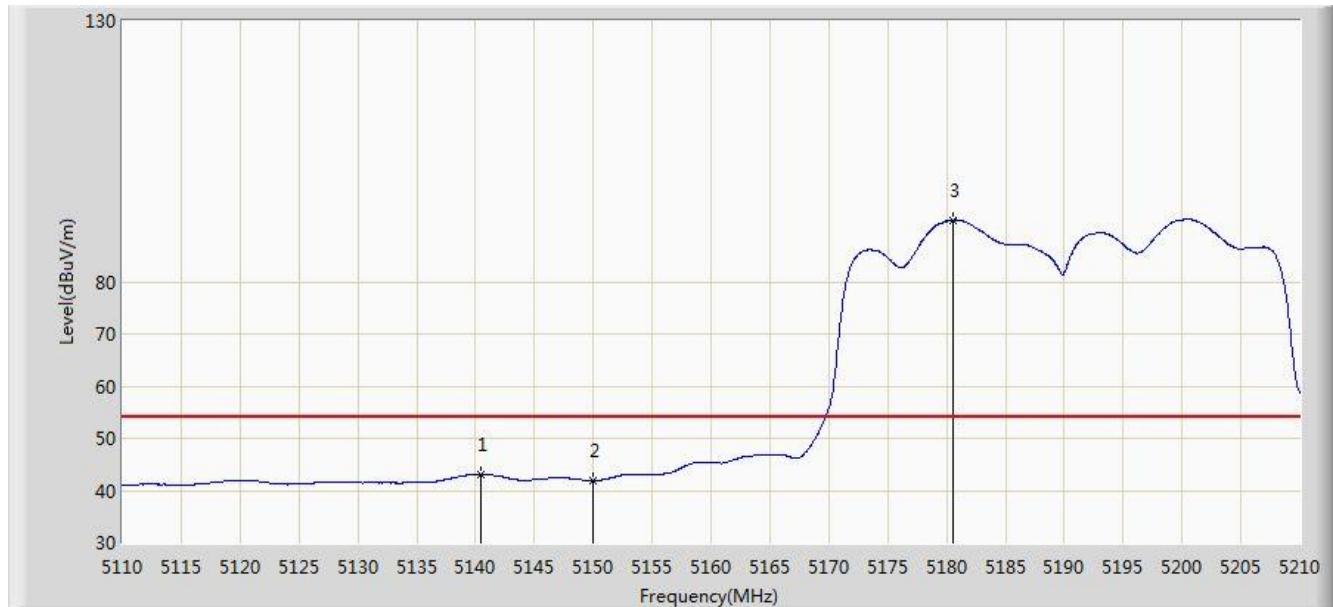


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.200	61.229	57.054	-12.771	74.000	4.174	PK
2			5150.000	57.175	53.006	-16.825	74.000	4.170	PK
3		*	5193.950	106.733	102.714	N/A	N/A	4.019	PK

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

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

Site: AC1	Time: 2016/09/14 - 00:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1+2+3	

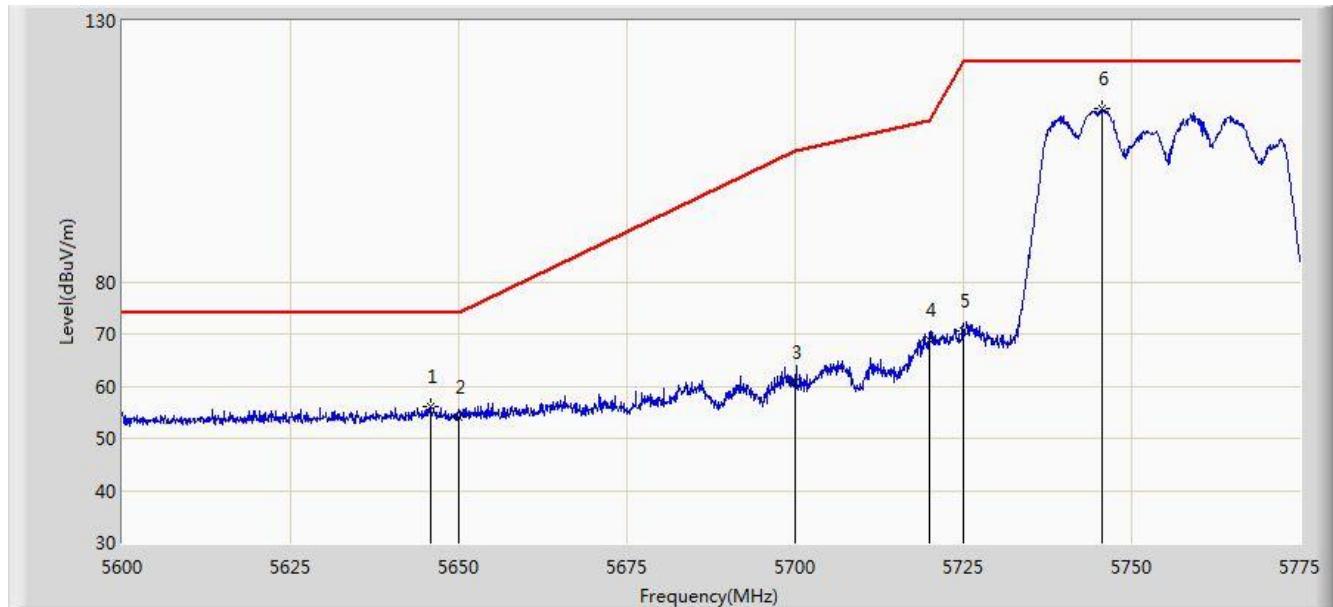


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.450	43.067	38.892	-10.933	54.000	4.176	AV
2			5150.000	41.891	37.722	-12.109	54.000	4.170	AV
3	*	*	5180.550	91.863	87.796	N/A	N/A	4.067	AV

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

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

Site: AC1	Time: 2016/09/14 - 01:00
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1+2+3	

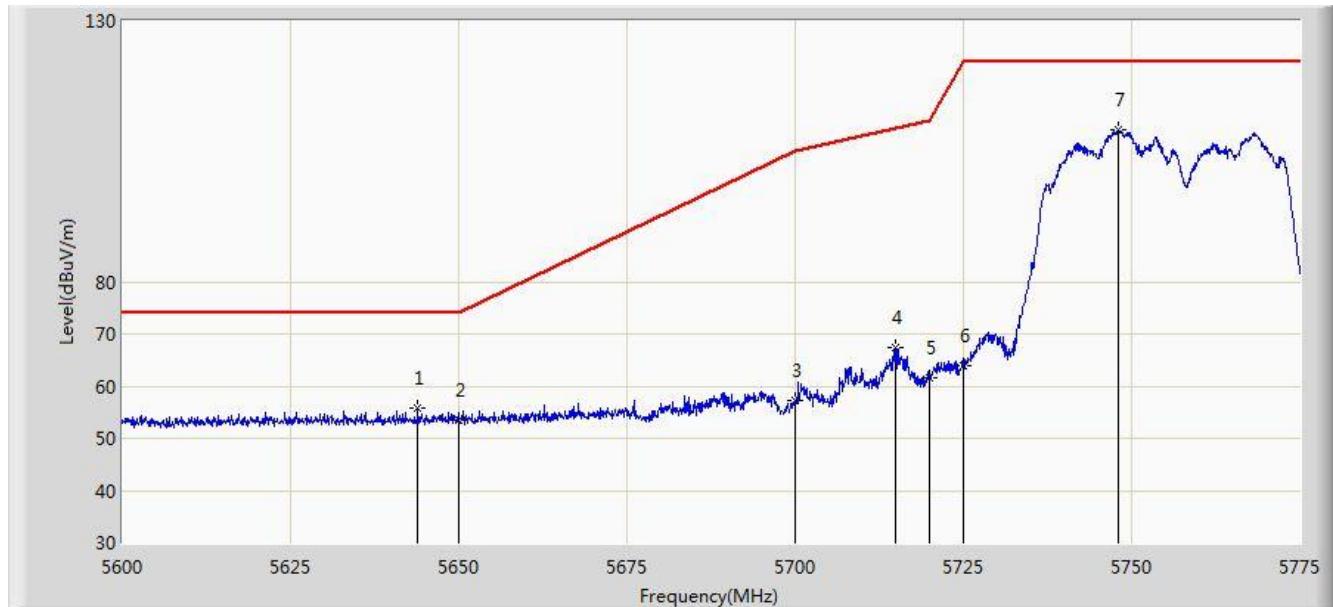


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5645.763	56.053	51.396	-17.947	74.000	4.657	PK
2			5650.000	53.997	49.326	-20.003	74.000	4.671	PK
3			5700.000	60.640	55.762	-44.560	105.200	4.878	PK
4			5720.000	68.796	63.799	-42.004	110.800	4.997	PK
5			5725.000	70.504	65.475	-51.696	122.200	5.029	PK
6	*		5745.513	113.079	107.921	N/A	N/A	5.158	PK

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

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

Site: AC1	Time: 2016/09/14 - 01:02
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-VHT40 at Channel 5755MHz Ant 0+1+2+3	

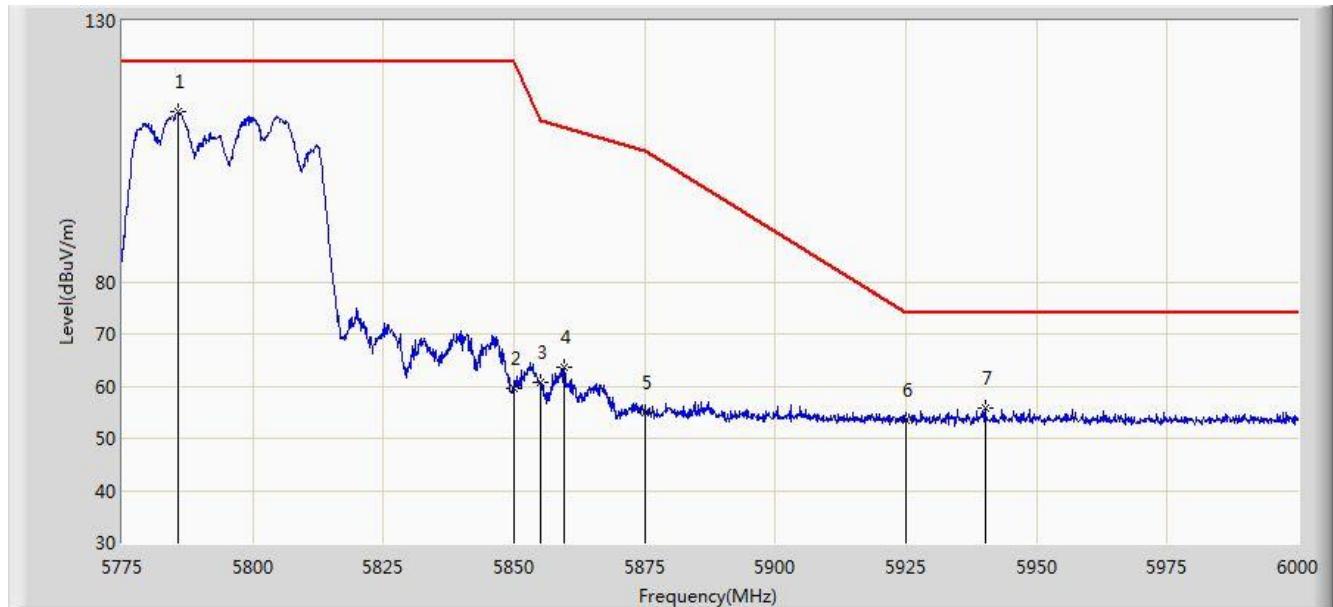


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5643.925	55.880	51.229	-18.120	74.000	4.651	PK
2			5650.000	53.371	48.700	-20.629	74.000	4.671	PK
3			5700.000	57.114	52.236	-48.086	105.200	4.878	PK
4			5714.975	67.391	62.426	-42.004	109.395	4.964	PK
5			5720.000	61.584	56.587	-49.216	110.800	4.997	PK
6			5725.000	63.800	58.771	-58.400	122.200	5.029	PK
7	*		5747.962	109.076	103.904	N/A	N/A	5.172	PK

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

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

Site: AC1	Time: 2016/09/14 - 01:03
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 802.11ac-VHT40 at Channel 5795MHz Ant 0+1+2+3	

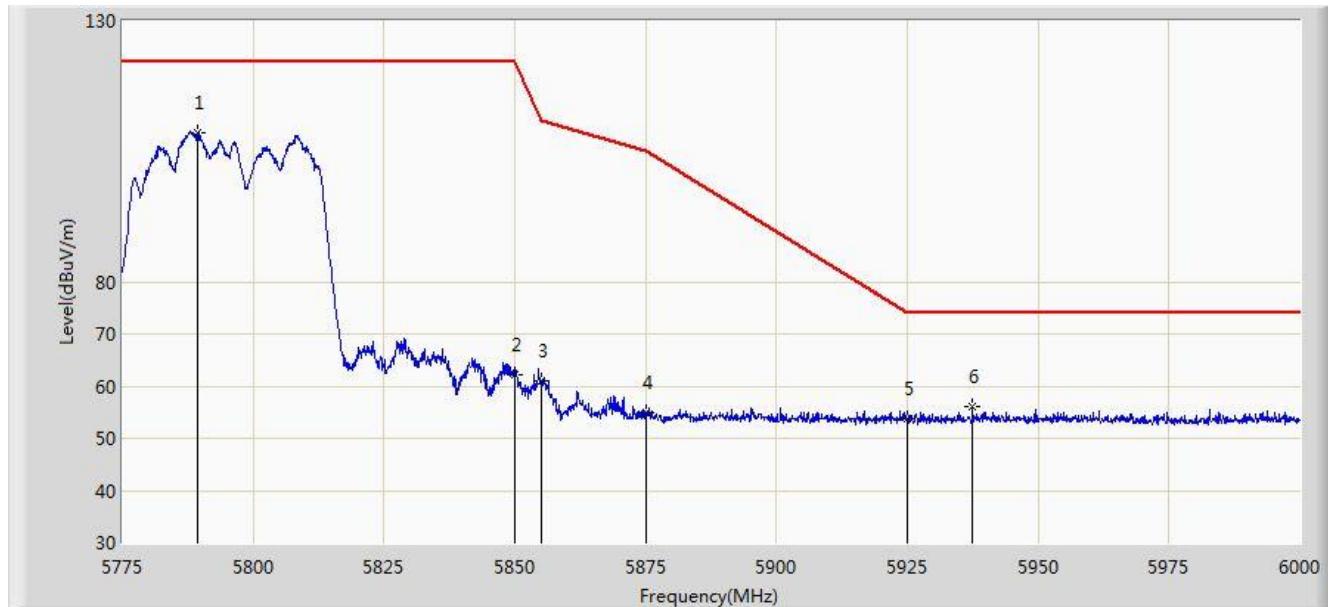


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5785.575	112.587	107.217	N/A	N/A	5.370	PK
2			5850.000	59.451	53.725	-62.749	122.200	5.726	PK
3			5855.000	60.733	54.987	-50.067	110.800	5.746	PK
4			5859.712	63.557	57.791	-45.922	109.479	5.766	PK
5			5875.000	54.800	48.980	-50.400	105.200	5.820	PK
6			5925.000	53.558	47.592	-20.442	74.000	5.967	PK
7			5940.150	55.874	49.870	-18.126	74.000	6.004	PK

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

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

Site: AC1	Time: 2016/09/14 - 01:05
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 802.11ac-VHT40 at Channel 5795MHz 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		*	5789.513	108.421	103.032	N/A	N/A	5.390	PK
2			5850.000	62.034	56.308	-60.166	122.200	5.726	PK
3			5855.000	60.930	55.184	-49.870	110.800	5.746	PK
4			5875.000	55.045	49.225	-50.155	105.200	5.820	PK
5			5925.000	53.753	47.787	-20.247	74.000	5.967	PK
6			5937.450	56.086	50.089	-17.914	74.000	5.997	PK

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

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

Site: AC1	Time: 2016/09/14 - 01:11
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+1+2+3	

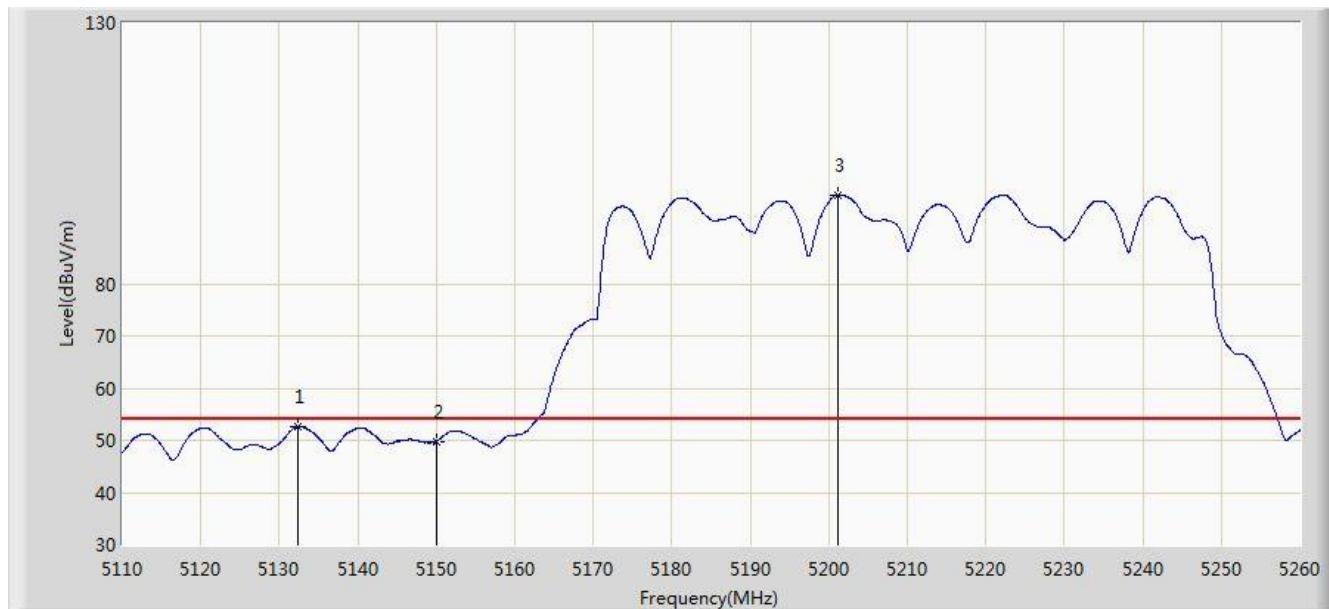


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5127.700	68.852	64.677	-5.148	74.000	4.175	PK
2			5150.000	63.240	59.071	-10.760	74.000	4.170	PK
3	*		5207.650	111.863	107.887	N/A	N/A	3.976	PK

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

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

Site: AC1	Time: 2016/09/14 - 01:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1+2+3	

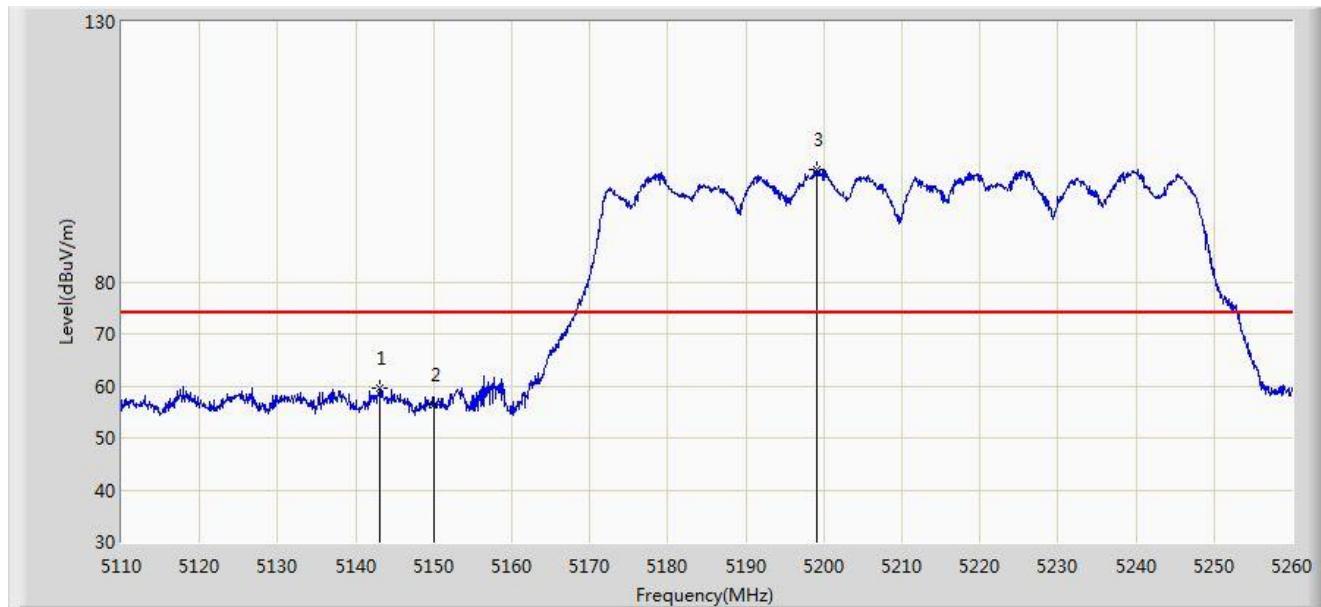


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5132.350	52.615	48.440	-1.385	54.000	4.175	AV
2			5150.000	49.839	45.670	-4.161	54.000	4.170	AV
3	*		5201.125	97.026	93.031	N/A	N/A	3.995	AV

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

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

Site: AC1	Time: 2016/09/14 - 01:12
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+1+2+3	

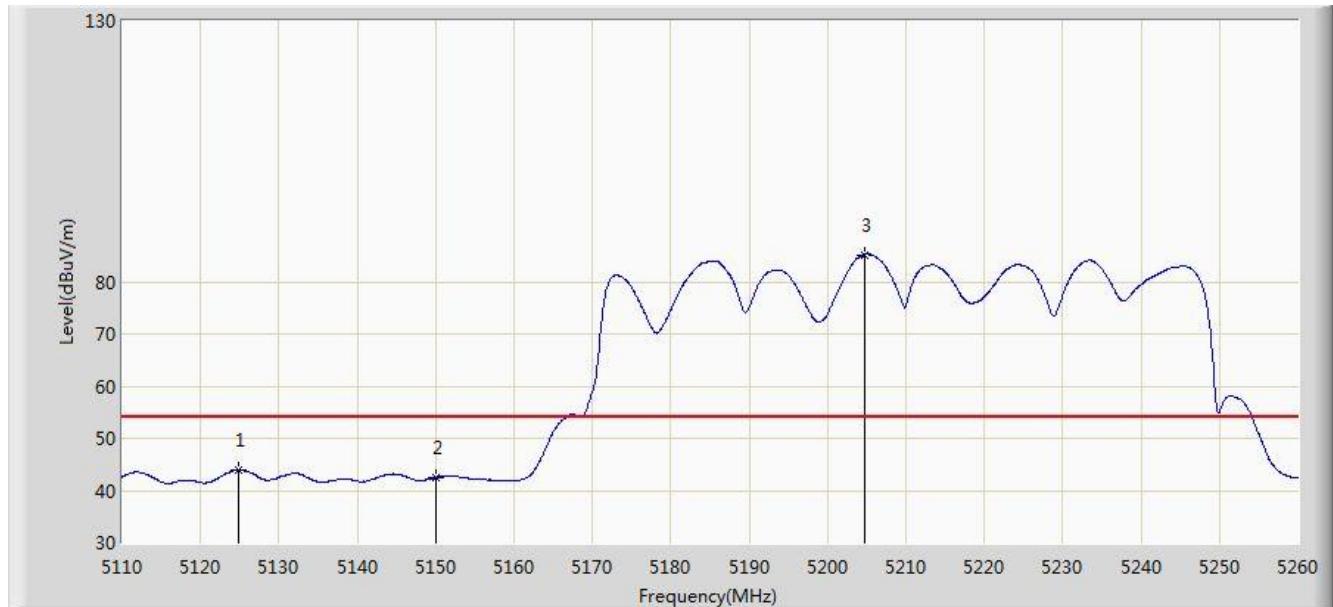


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.000	59.578	55.402	-14.422	74.000	4.176	PK
2			5150.000	56.429	52.260	-17.571	74.000	4.170	PK
3	*		5199.025	101.529	97.528	N/A	N/A	4.002	PK

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

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

Site: AC1	Time: 2016/09/14 - 01:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1+2+3	

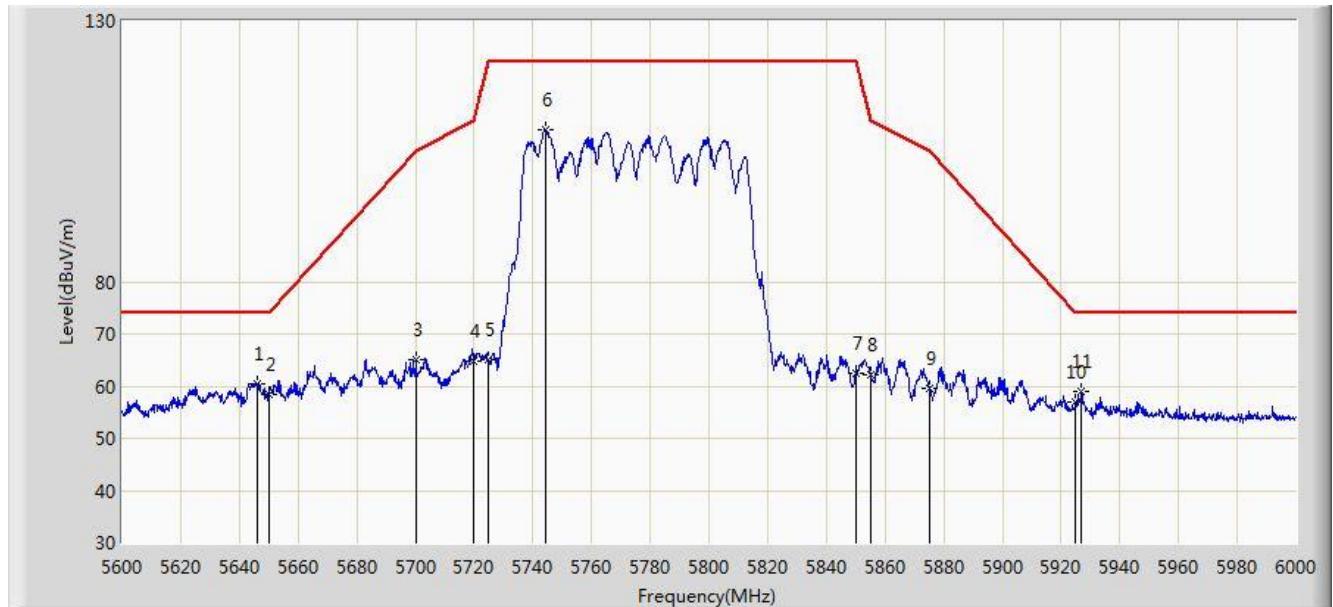


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5124.850	43.909	39.734	-10.091	54.000	4.175	AV
2			5150.000	42.459	38.290	-11.541	54.000	4.170	AV
3	*		5204.650	85.194	81.209	N/A	N/A	3.984	AV

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

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

Site: AC1	Time: 2016/09/14 - 01:39
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 802.11ac-VHT80 at Channel 5775MHz Ant 0+1+2+3	

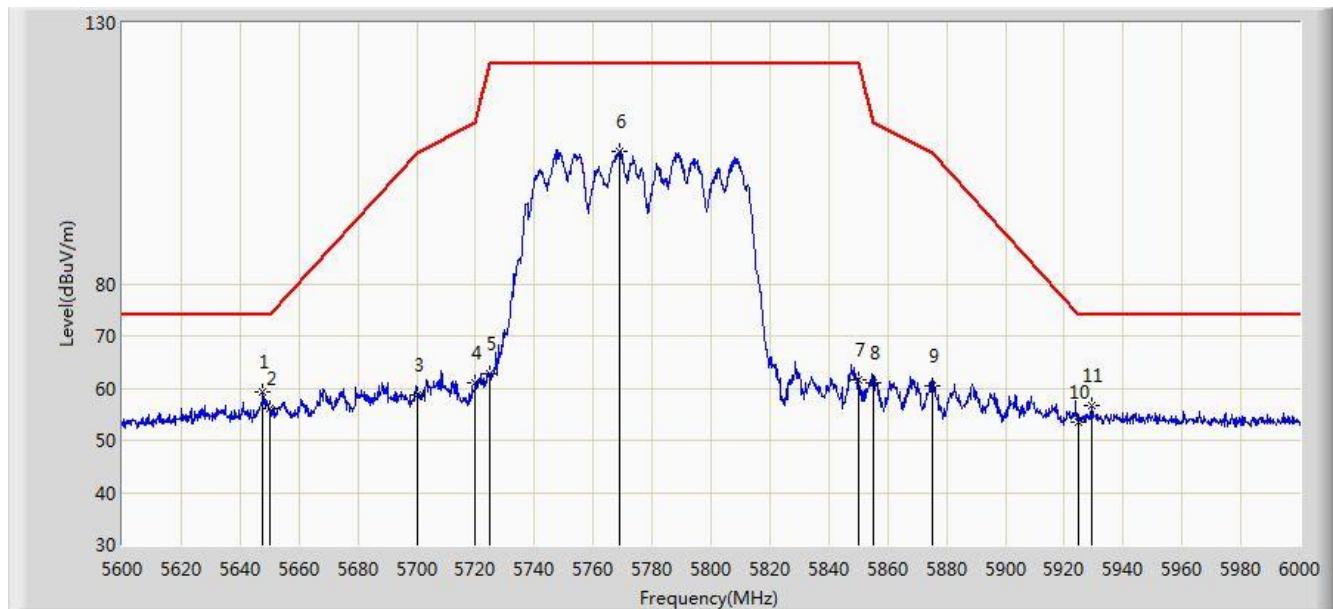


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5646.000	60.535	55.877	-13.465	74.000	4.657	PK
2			5650.000	58.262	53.591	-15.738	74.000	4.671	PK
3			5700.000	65.215	60.337	-39.985	105.200	4.878	PK
4			5720.000	64.702	59.705	-46.098	110.800	4.997	PK
5			5725.000	65.186	60.157	-57.014	122.200	5.029	PK
6	*		5744.200	109.039	103.889	N/A	N/A	5.151	PK
7			5850.000	62.570	56.844	-59.630	122.200	5.726	PK
8			5855.000	62.217	56.471	-48.583	110.800	5.746	PK
9			5875.000	59.474	53.654	-45.726	105.200	5.820	PK
10			5925.000	56.980	51.014	-17.020	74.000	5.967	PK
11			5927.000	58.944	52.973	-15.056	74.000	5.971	PK

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

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

Site: AC1	Time: 2016/09/14 - 01:41
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	

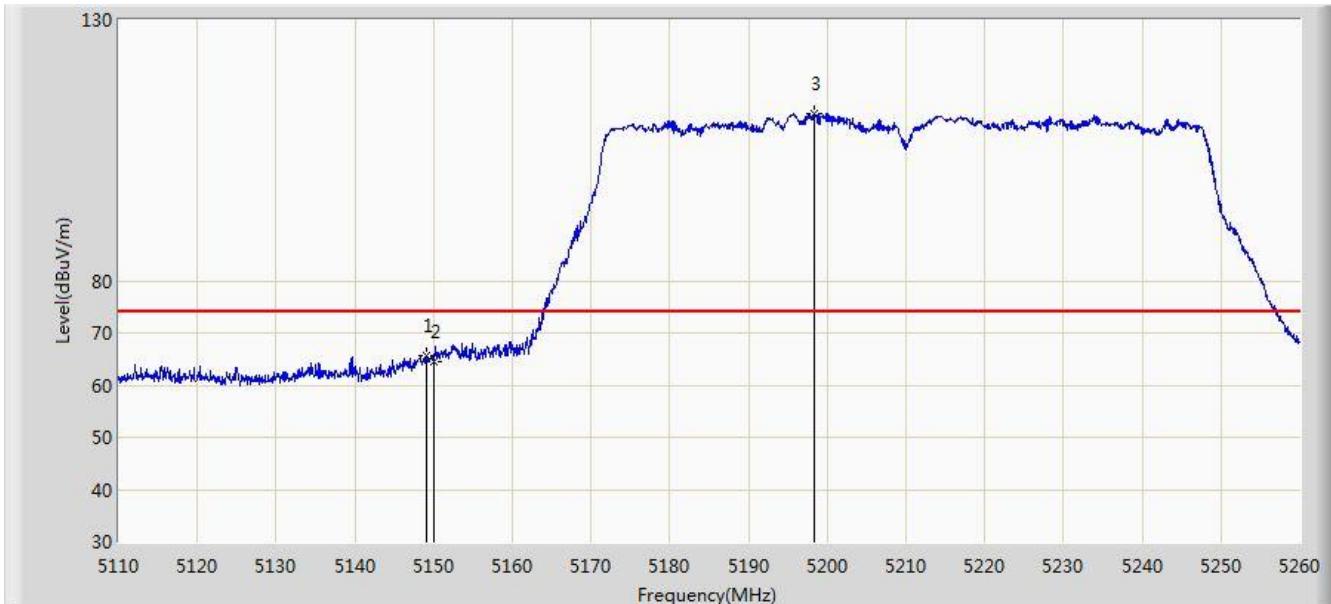


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*		5647.800	59.268	54.604	-14.732	74.000	4.663	PK
2			5650.000	56.229	51.558	-17.771	74.000	4.671	PK
3			5700.000	58.812	53.934	-46.388	105.200	4.878	PK
4			5720.000	61.108	56.111	-49.692	110.800	4.997	PK
5			5725.000	62.625	57.596	-59.575	122.200	5.029	PK
6			5768.800	105.351	100.066	N/A	N/A	5.285	PK
7			5850.000	61.725	55.999	-60.475	122.200	5.726	PK
8			5855.000	61.118	55.372	-49.682	110.800	5.746	PK
9			5875.000	60.512	54.692	-44.688	105.200	5.820	PK
10			5925.000	53.482	47.516	-20.518	74.000	5.967	PK
11			5929.400	56.524	50.547	-17.476	74.000	5.978	PK

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

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

Site: AC1	Time: 2016/12/03 - 16:12
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 802.11ac-VHT80+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	

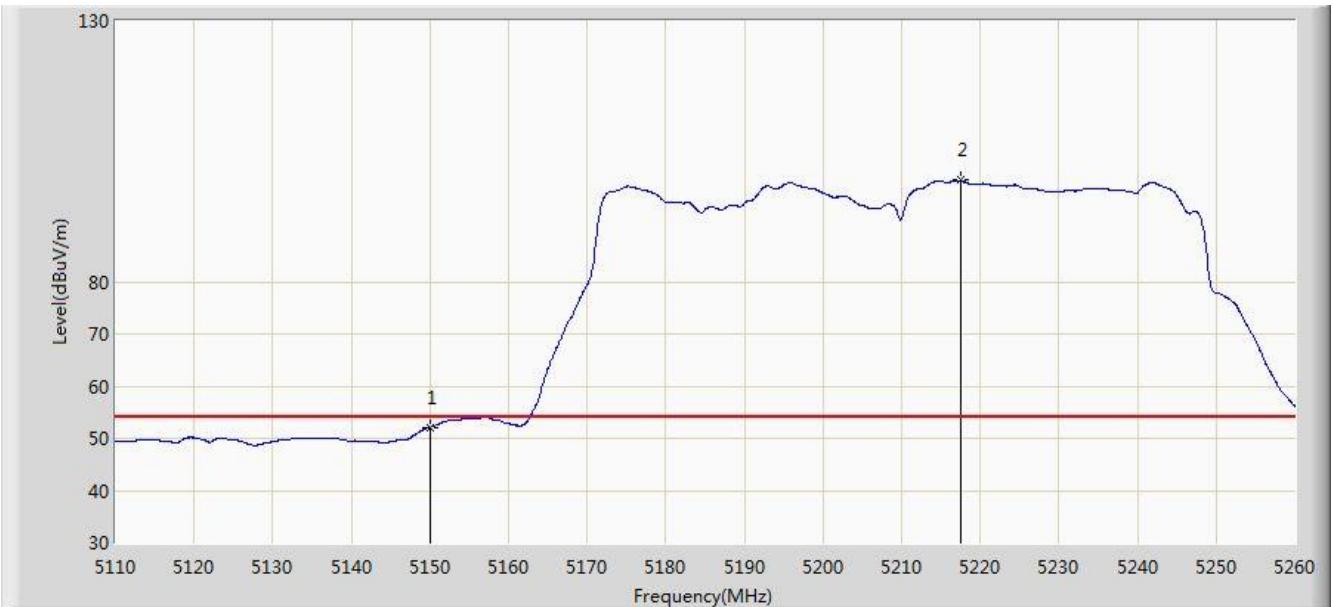


No	Flag	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Margin (dB)	Limit (dBm)	Factor (dB)	Type
1			5149.075	65.556	61.384	-8.444	74.000	4.173	PK
2			5150.000	64.482	60.313	-9.518	74.000	4.170	PK
3	*	*	5198.425	112.040	108.036	N/A	N/A	4.004	PK

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

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

Site: AC1	Time: 2016/12/03 - 16:06
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 802.11ac-VHT80+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	52.072	47.903	-1.928	54.000	4.170	AV
2	*		5217.475	99.434	95.488	N/A	N/A	3.947	AV

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

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