| Site: AC1	Time: 2016/11/07 - 19:02
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 2	
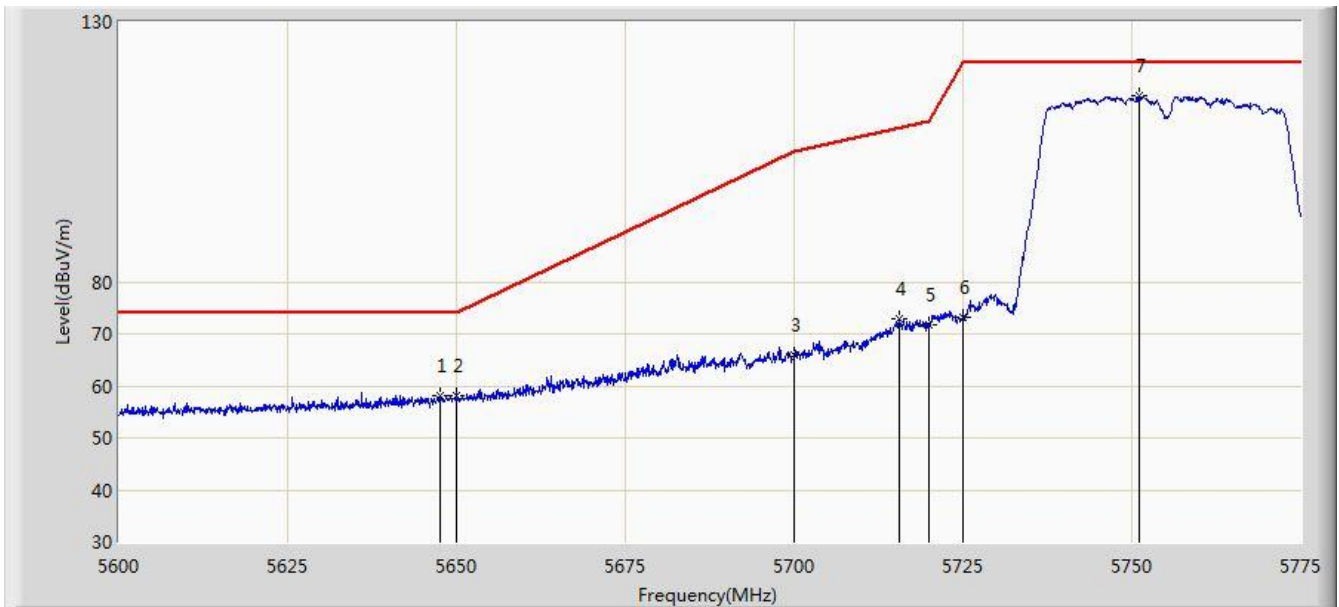
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.513	58.199	53.536	-15.801	74.000	4.662	PK
2			5650.000	58.040	53.369	-15.960	74.000	4.671	PK
3			5700.000	65.951	61.073	-39.249	105.200	4.878	PK
4			5715.500	73.043	68.075	-36.499	109.542	4.968	PK
5			5720.000	71.839	66.842	-38.961	110.800	4.997	PK
6			5725.000	73.285	68.256	-48.915	122.200	5.029	PK
7			5751.025	115.684	110.495	N/A	N/A	5.190	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: 2016/11/07 - 19:12
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	
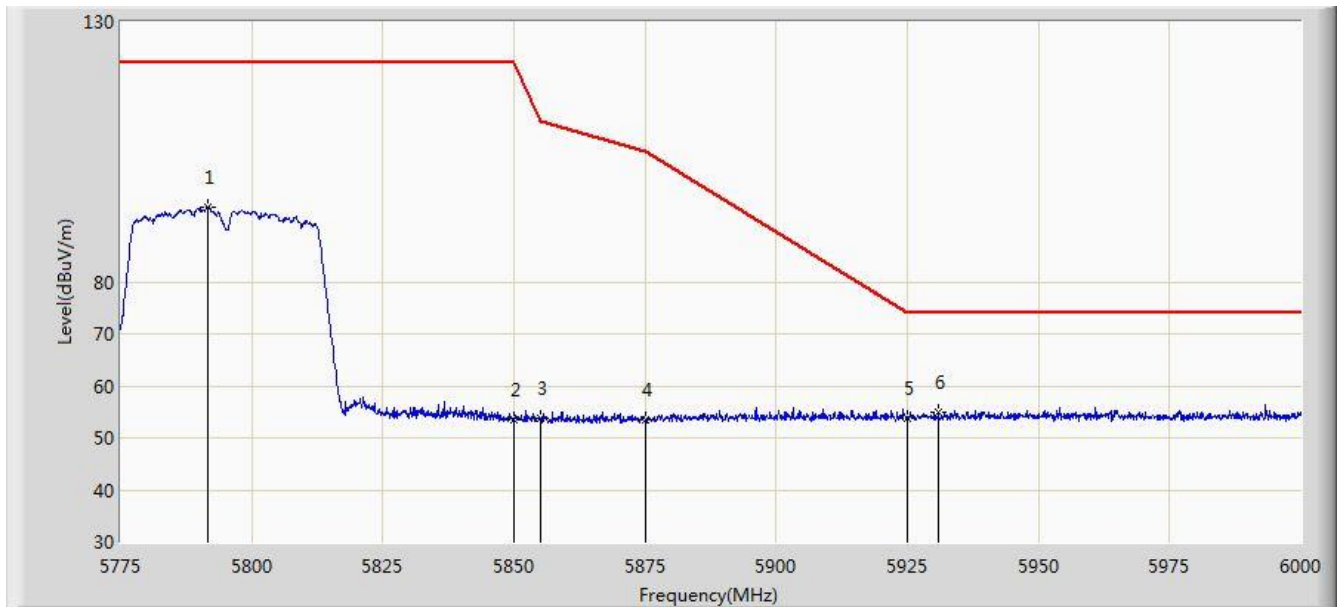
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5791.650	94.442	89.042	N/A	N/A	5.400	PK
2			5850.000	53.460	47.734	-68.740	122.200	5.726	PK
3			5855.000	53.656	47.910	-57.144	110.800	5.746	PK
4			5875.000	53.477	47.657	-51.723	105.200	5.820	PK
5			5925.000	53.814	47.848	-20.186	74.000	5.967	PK
6			5930.925	55.029	49.048	-18.971	74.000	5.981	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: 2016/11/07 - 19:09
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	
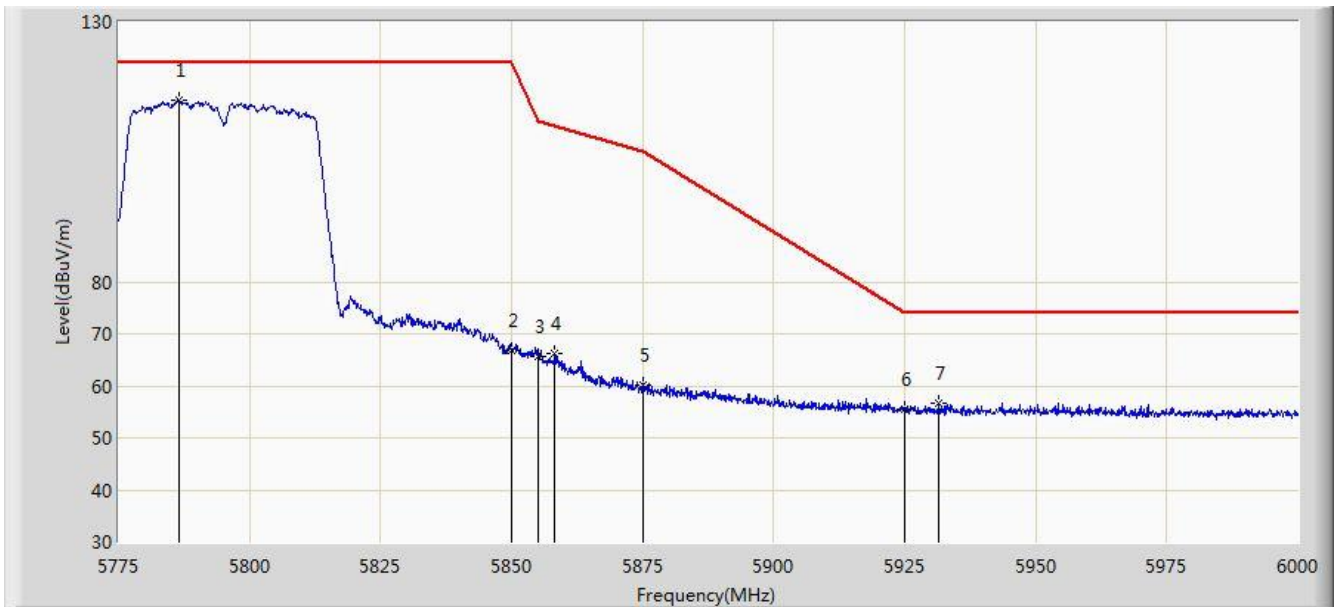
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5786.587	114.948	109.573	N/A	N/A	5.375	PK
2			5850.000	66.875	61.149	-55.325	122.200	5.726	PK
3			5855.000	65.702	59.956	-45.098	110.800	5.746	PK
4			5858.250	66.345	60.585	-43.544	109.889	5.760	PK
5			5875.000	60.240	54.420	-44.960	105.200	5.820	PK
6			5925.000	55.591	49.625	-18.409	74.000	5.967	PK
7			5931.600	56.675	50.692	-17.325	74.000	5.983	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: 2016/11/07 - 19:27
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-VHT20 at Channel 5180MHz Ant 2	
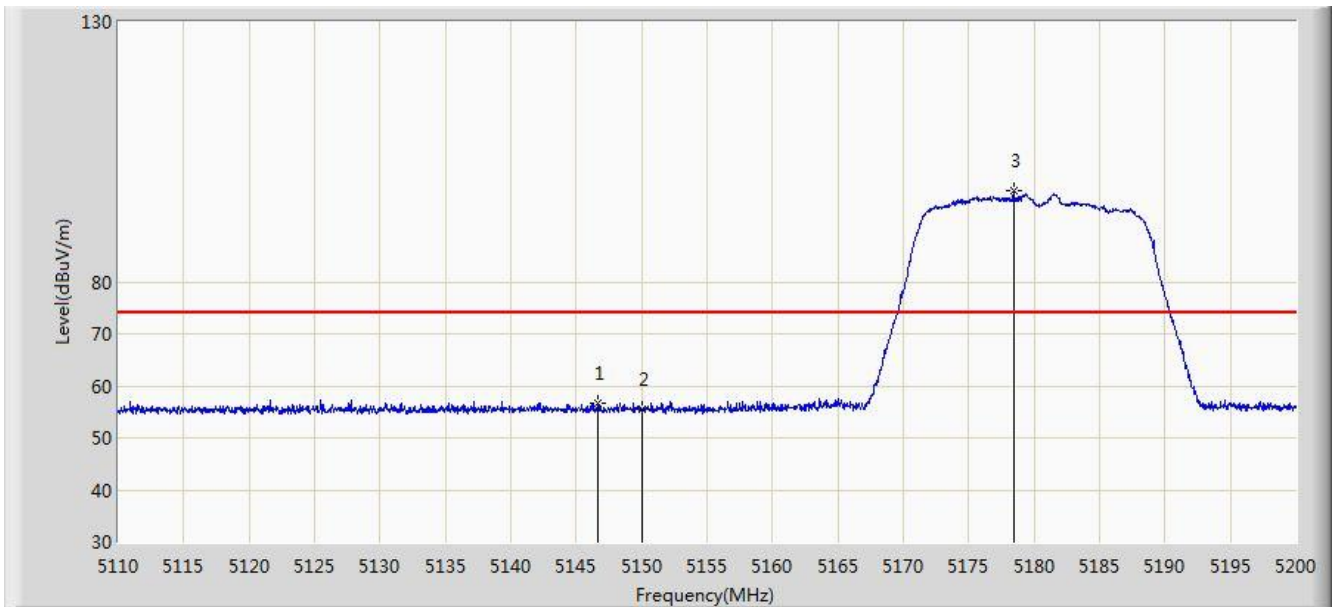
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.630	56.676	52.500	-17.324	74.000	4.176	PK
2			5150.000	55.617	51.448	-18.383	74.000	4.170	PK
3			5178.445	97.603	93.529	N/A	N/A	4.074	PK

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: 2016/11/07 - 19:39
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 802.11ac-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			5150.000	42.527	38.358	-11.473	54.000	4.170	AV
2			5178.355	84.824	80.749	N/A	N/A	4.074	AV

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

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

|	
Site: AC1	Time: 2016/11/07 - 19:17
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	
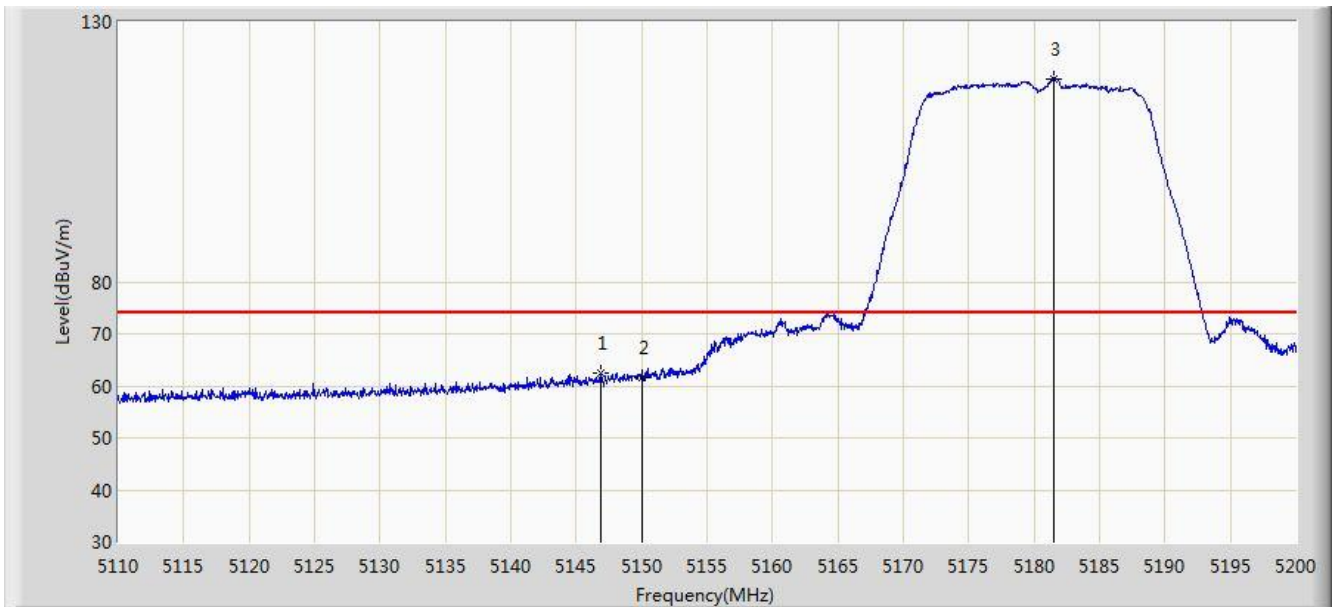
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.900	62.540	58.364	-11.460	74.000	4.176	PK
2			5150.000	61.685	57.516	-12.315	74.000	4.170	PK
3			5181.460	119.045	114.981	N/A	N/A	4.064	PK

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: 2016/11/07 - 19:25
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-VHT20 at Channel 5180MHz Ant 2	
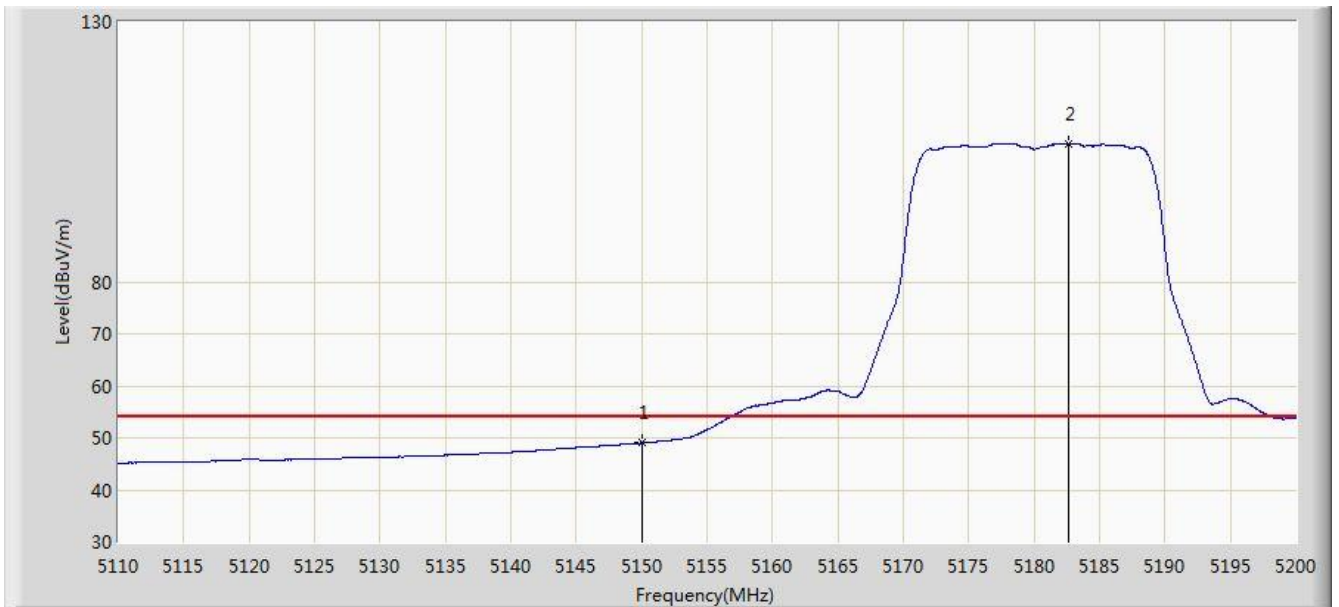
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.990	44.821	-5.010	54.000	4.170	AV
2			5182.630	106.564	102.504	N/A	N/A	4.060	AV

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

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

| Site: AC1	Time: 2016/11/07 - 20:25
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 2	
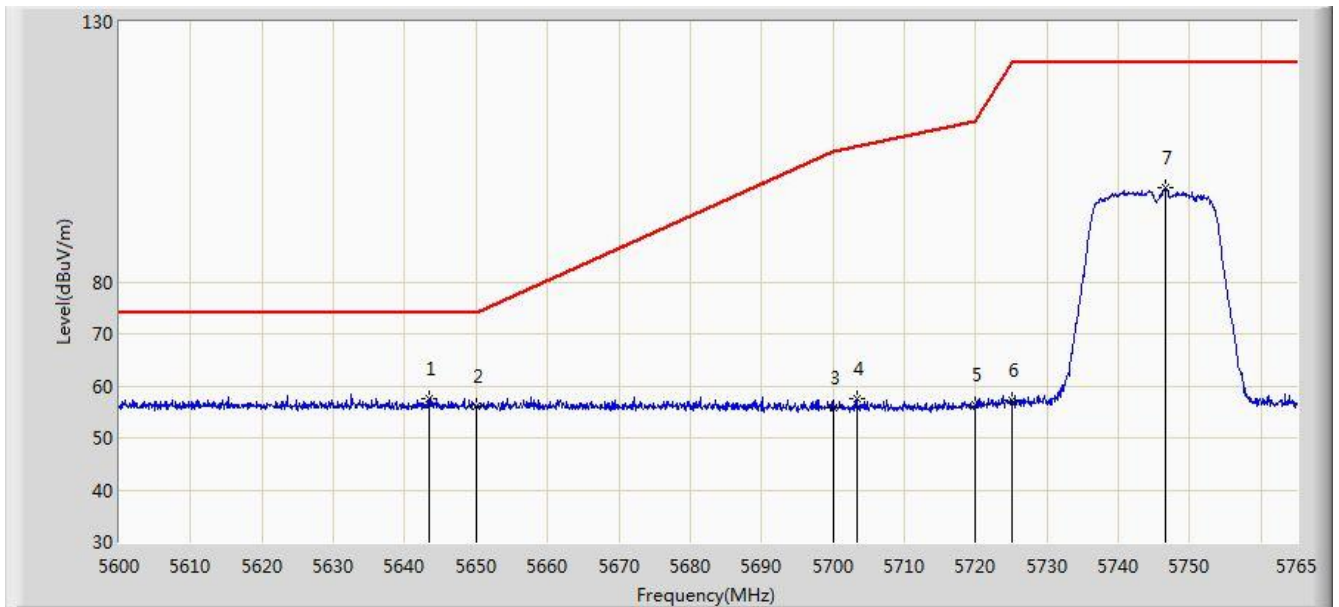
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5643.395	57.653	53.004	-16.347	74.000	4.649	PK
2			5650.000	55.982	51.311	-18.018	74.000	4.671	PK
3			5700.000	55.793	50.915	-49.407	105.200	4.878	PK
4			5703.290	57.618	52.722	-48.505	106.123	4.896	PK
5			5720.000	56.402	51.405	-54.398	110.800	4.997	PK
6			5725.000	57.282	52.253	-64.918	122.200	5.029	PK
7			5746.520	98.122	92.958	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: 2016/11/07 - 20:19
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	
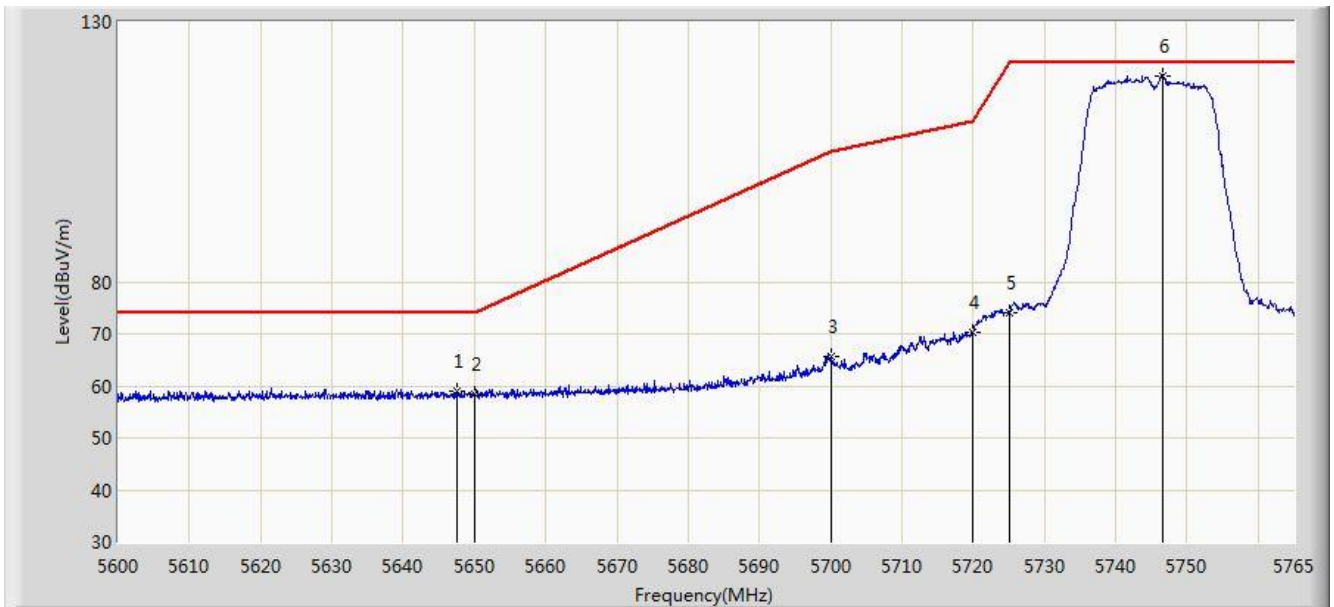
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.603	58.880	54.217	-15.120	74.000	4.663	PK
2			5650.000	58.297	53.626	-15.703	74.000	4.671	PK
3			5700.000	65.514	60.636	-39.686	105.200	4.878	PK
4			5720.000	70.318	65.321	-40.482	110.800	4.997	PK
5			5725.000	74.081	69.052	-48.119	122.200	5.029	PK
6			5746.685	119.663	114.498	N/A	N/A	5.165	PK

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

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

| Site: AC1	Time: 2016/11/07 - 20:47
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 2	
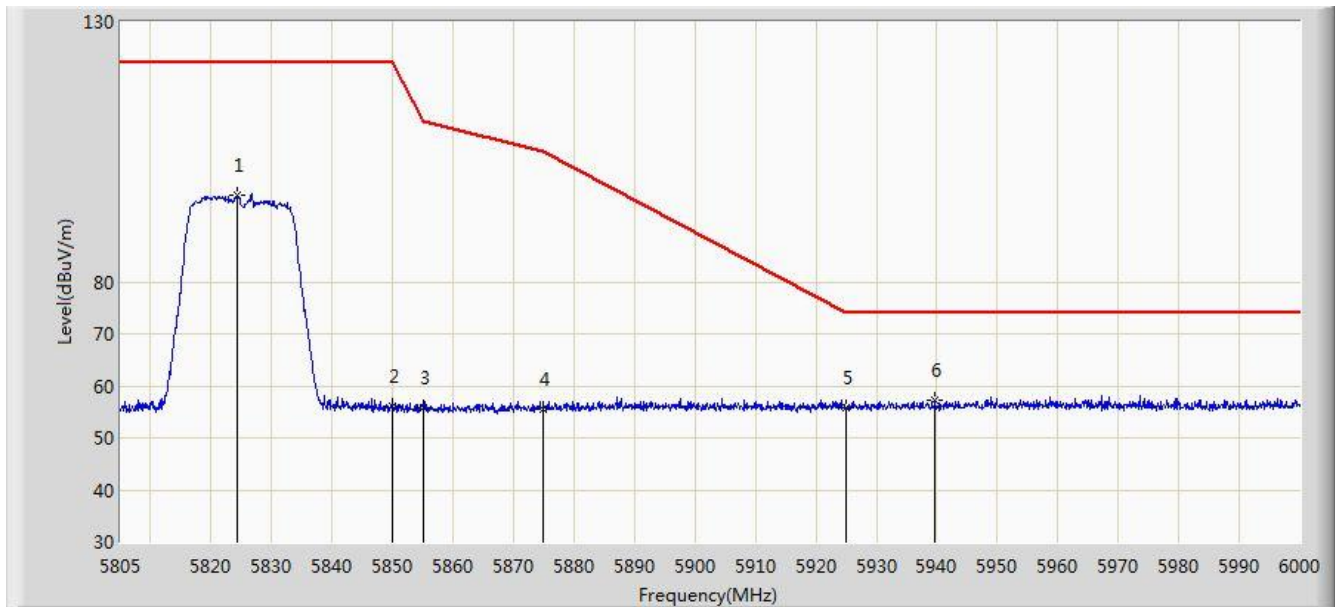
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5824.305	96.654	91.070	N/A	N/A	5.584	PK
2			5850.000	56.051	50.325	-66.149	122.200	5.726	PK
3			5855.000	55.858	50.112	-54.942	110.800	5.746	PK
4			5875.000	55.627	49.807	-49.573	105.200	5.820	PK
5			5925.000	55.852	49.886	-18.148	74.000	5.967	PK
6			5939.745	57.340	51.337	-16.660	74.000	6.004	PK

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

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

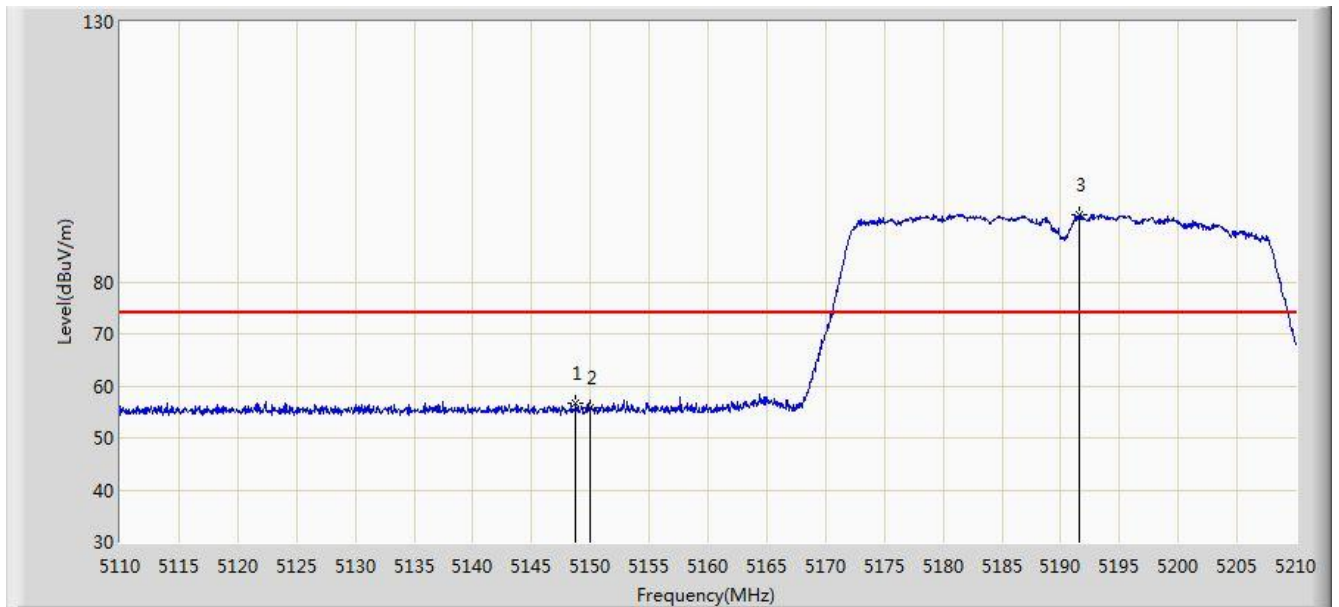| Site: AC1	Time: 2016/11/07 - 20:28
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 2	
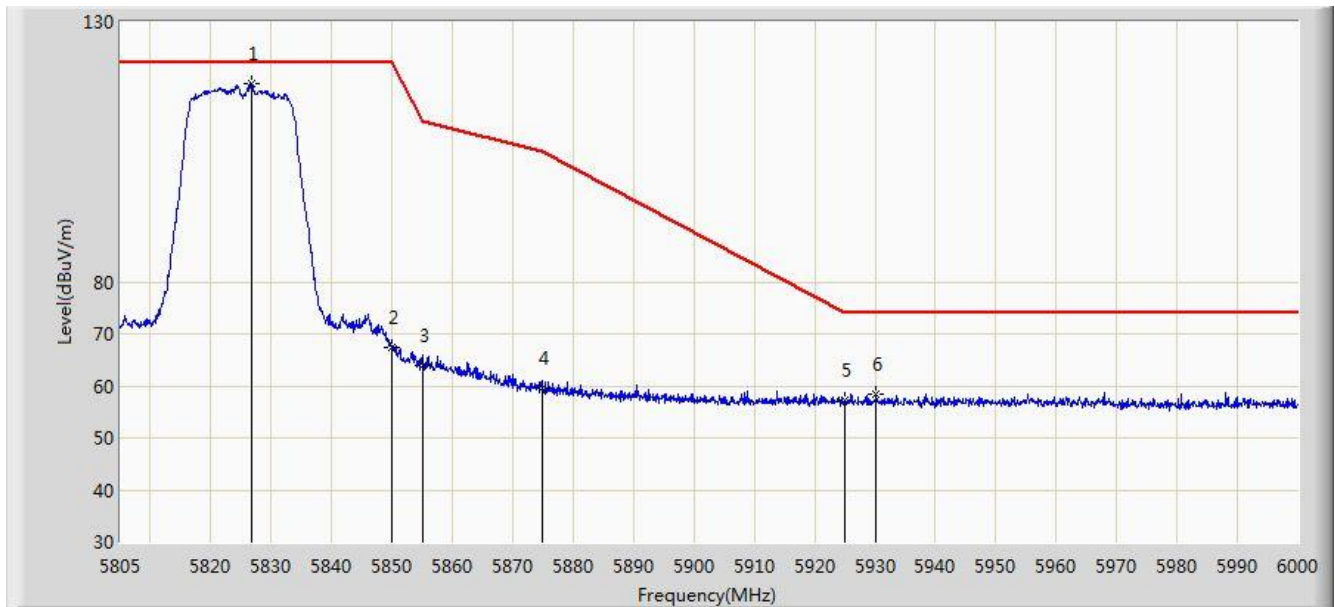
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.743	118.163	112.565	N/A	N/A	5.599	PK
2			5850.000	67.418	61.692	-54.782	122.200	5.726	PK
3			5855.000	63.956	58.210	-46.844	110.800	5.746	PK
4			5875.000	59.618	53.798	-45.582	105.200	5.820	PK
5			5925.000	57.129	51.163	-16.871	74.000	5.967	PK
6			5930.190	58.265	52.286	-15.735	74.000	5.979	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: 2016/11/07 - 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-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			5148.750	56.574	52.401	-17.426	74.000	4.174	PK
2			5150.000	55.891	51.722	-18.109	74.000	4.170	PK
3			5191.550	92.975	88.947	N/A	N/A	4.027	PK

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

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

|	
Site: AC1	Time: 2016/11/07 - 20:56
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-VHT40 at Channel 5190MHz Ant 2	
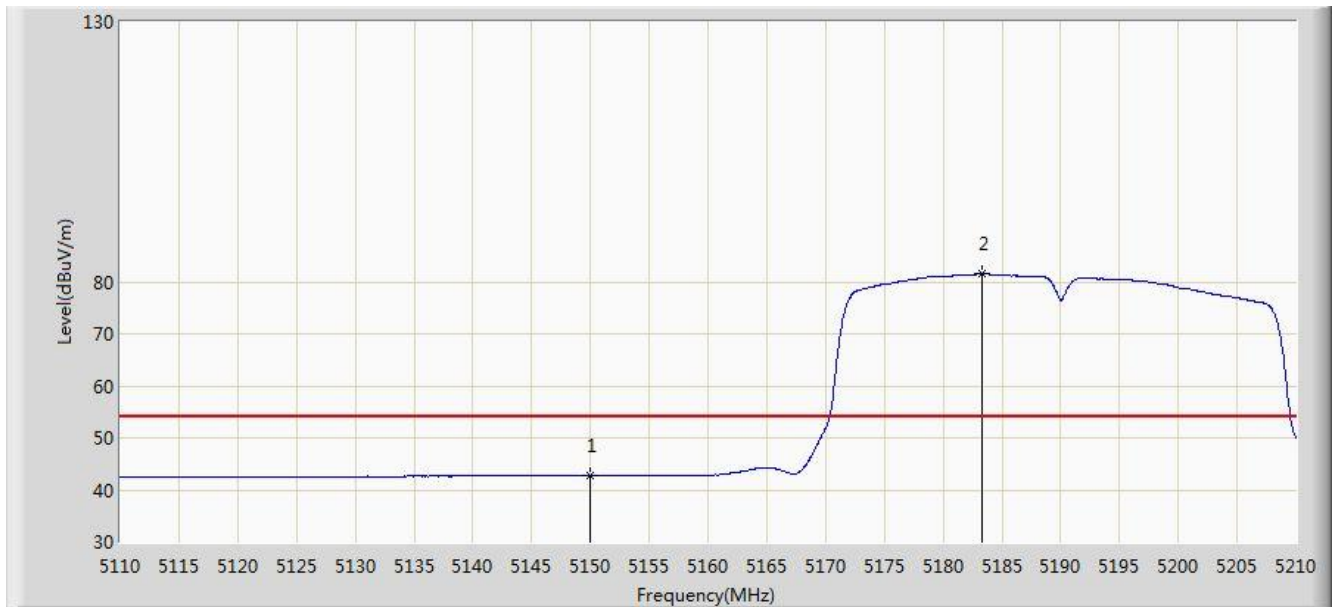
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	42.688	38.519	-11.312	54.000	4.170	AV
2			5183.350	81.518	77.461	N/A	N/A	4.056	AV

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

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

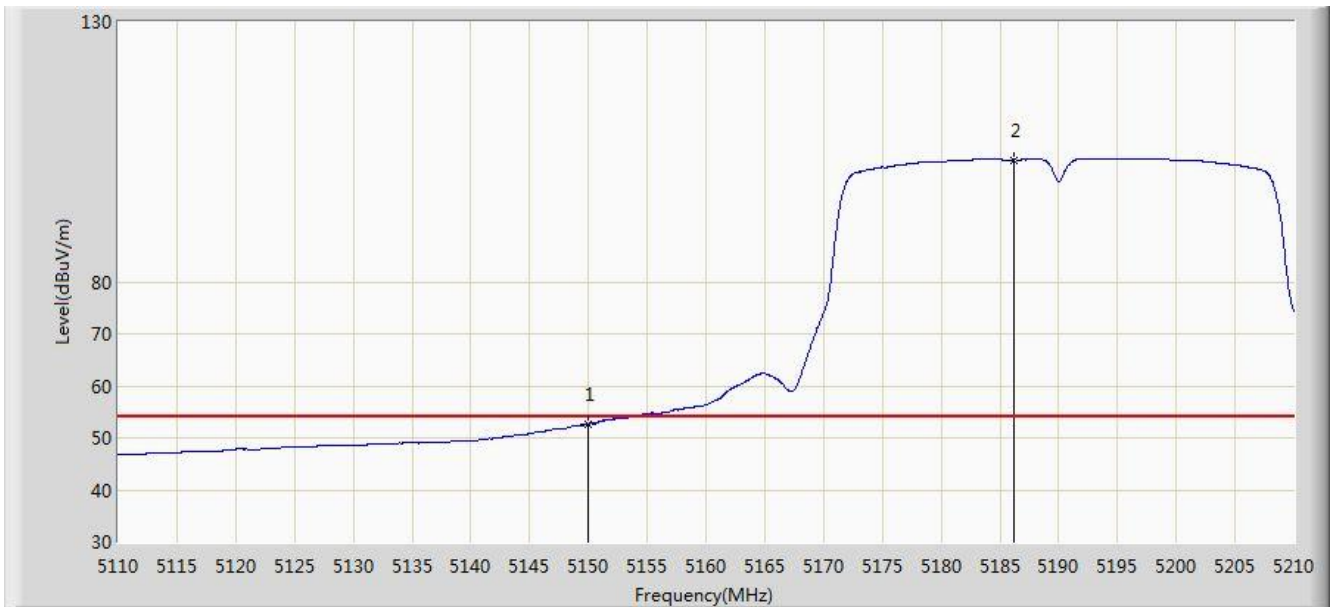|	
Site: AC1	Time: 2016/11/07 - 20:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 2	
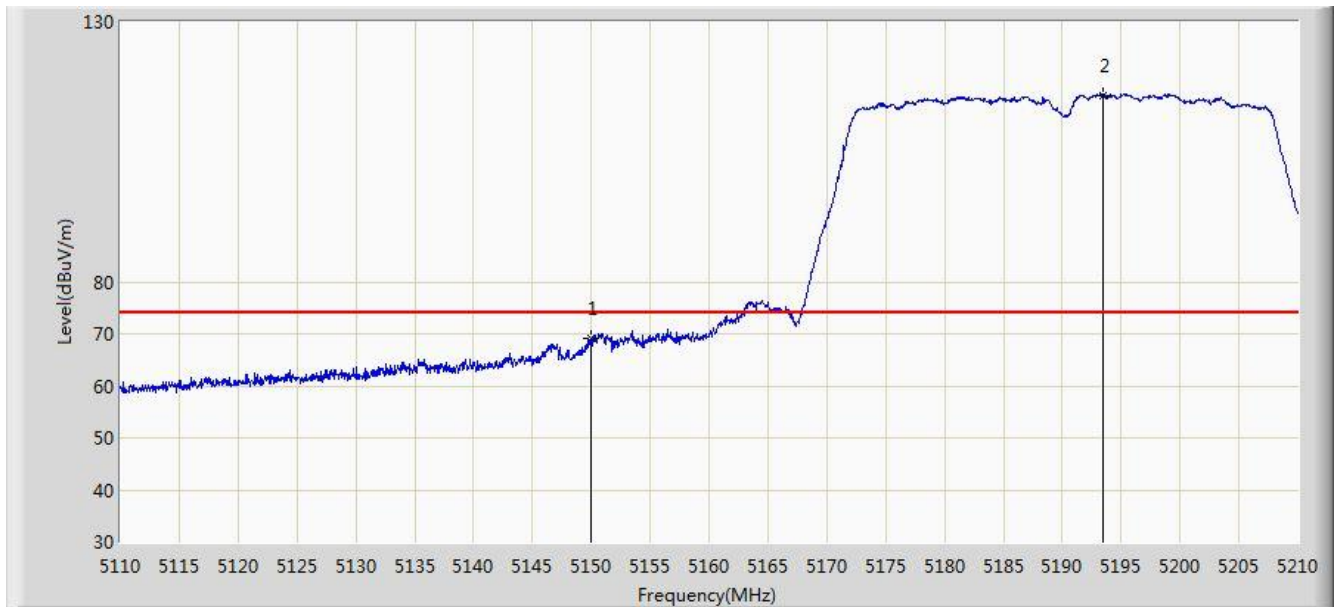
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	68.994	64.825	-5.006	74.000	4.170	PK
2			5193.450	115.895	111.874	N/A	N/A	4.021	PK

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

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

| Site: AC1	Time: 2016/11/07 - 20:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-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			5150.000	52.698	48.529	-1.302	54.000	4.170	AV
2			5186.150	103.472	99.425	N/A	N/A	4.047	AV

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

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

| Site: AC1	Time: 2016/11/07 - 21:21
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 5755MHz Ant 2	
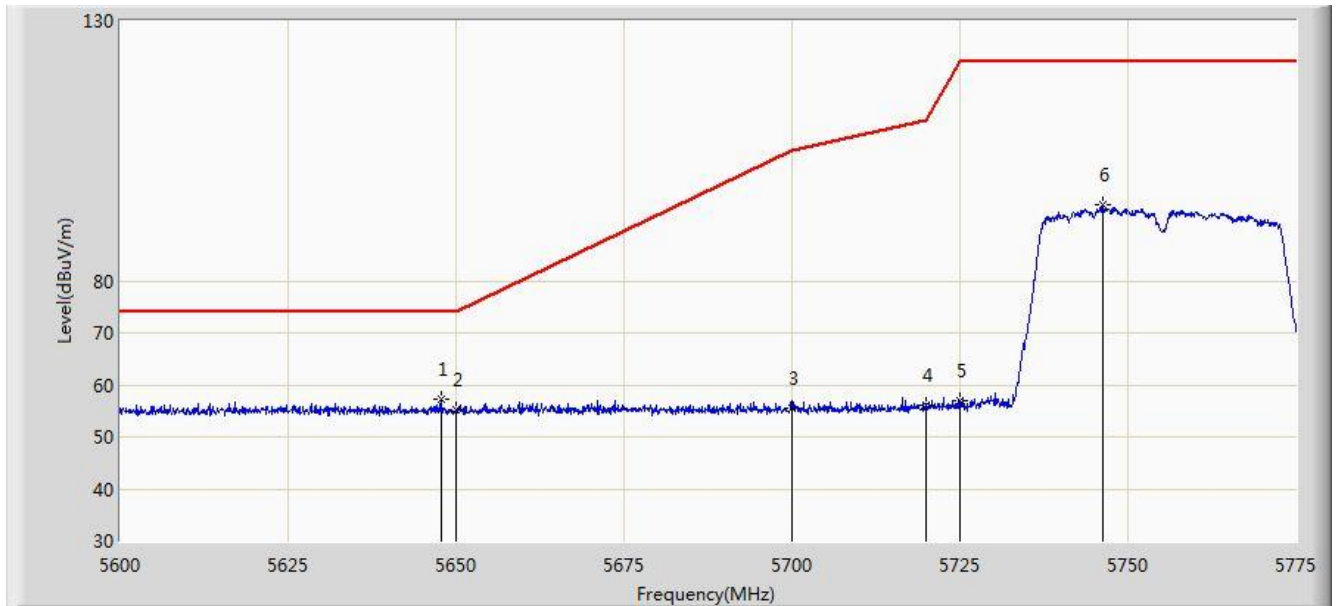
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.775	57.164	52.500	-16.836	74.000	4.663	PK
2			5650.000	55.077	50.406	-18.923	74.000	4.671	PK
3			5700.000	55.482	50.604	-49.718	105.200	4.878	PK
4			5720.000	56.164	51.167	-54.636	110.800	4.997	PK
5			5725.000	56.867	51.838	-65.333	122.200	5.029	PK
6			5746.300	94.583	89.421	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: 2016/11/07 - 21:18
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 2	
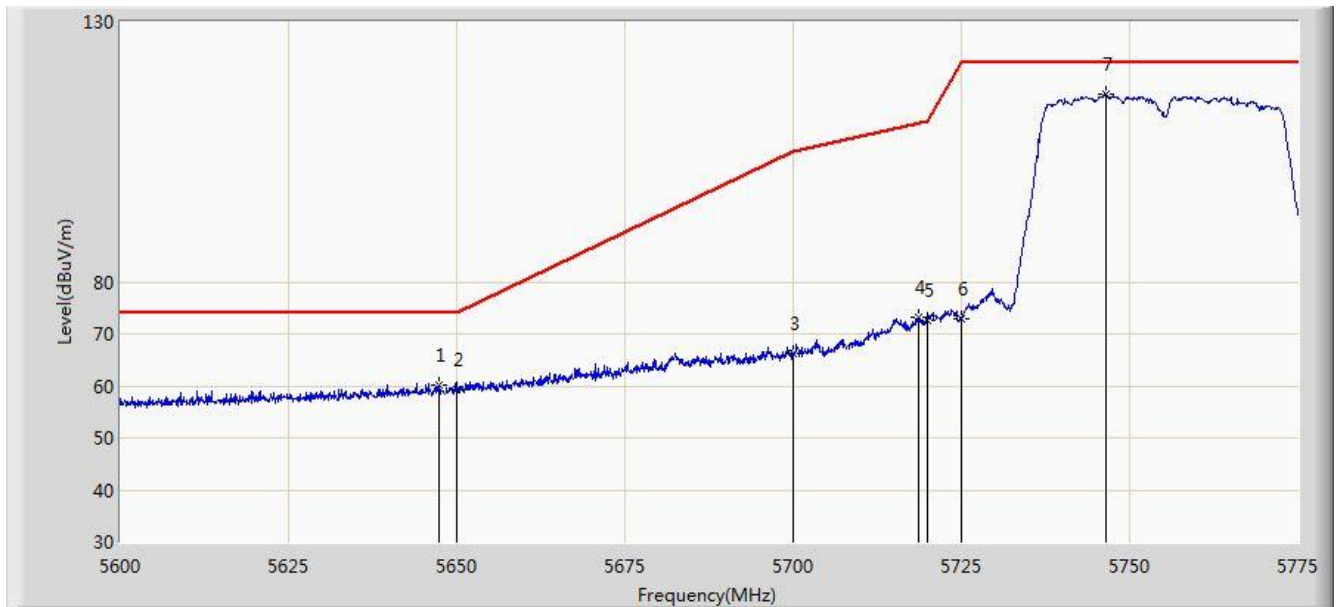
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.337	60.204	55.542	-13.796	74.000	4.662	PK
2			5650.000	59.301	54.630	-14.699	74.000	4.671	PK
3			5700.000	66.155	61.277	-39.045	105.200	4.878	PK
4			5718.737	73.072	68.083	-37.375	110.447	4.989	PK
5			5720.000	72.753	67.756	-38.047	110.800	4.997	PK
6			5725.000	72.857	67.828	-49.343	122.200	5.029	PK
7			5746.562	115.987	110.823	N/A	N/A	5.164	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: 2016/11/07 - 21:26
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 2	
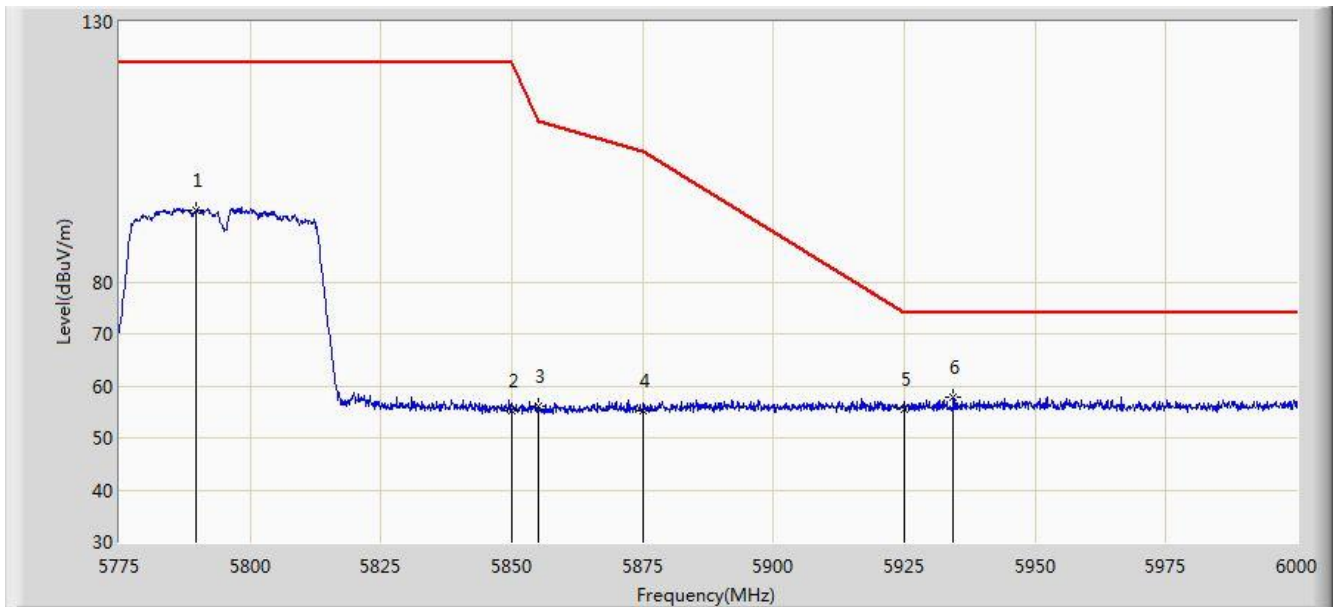
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5789.737	93.892	88.502	N/A	N/A	5.390	PK
2			5850.000	55.189	49.463	-67.011	122.200	5.726	PK
3			5855.000	56.068	50.322	-54.732	110.800	5.746	PK
4			5875.000	55.254	49.434	-49.946	105.200	5.820	PK
5			5925.000	55.622	49.656	-18.378	74.000	5.967	PK
6			5934.300	57.801	51.811	-16.199	74.000	5.990	PK

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

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

|	
Site: AC1	Time: 2016/11/07 - 21:24
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 802.11ac-VHT40 at Channel 5795MHz Ant 2	
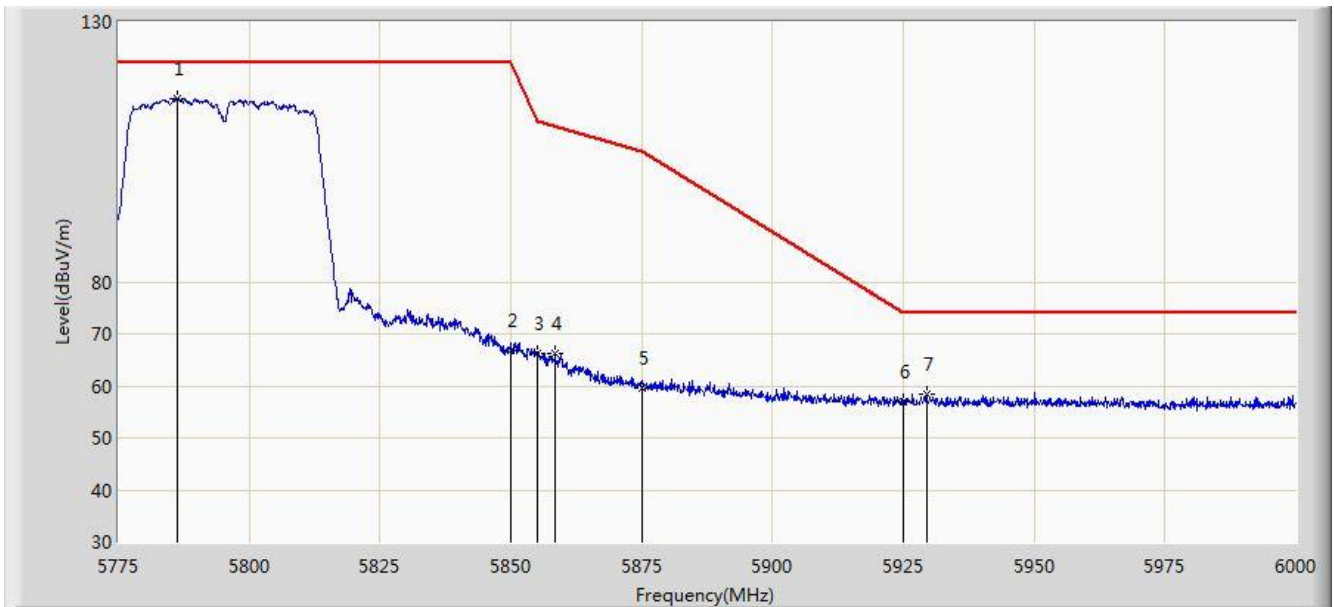
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5786.362	115.299	109.925	N/A	N/A	5.374	PK
2			5850.000	66.902	61.176	-55.298	122.200	5.726	PK
3			5855.000	66.303	60.557	-44.497	110.800	5.746	PK
4			5858.475	66.126	60.365	-43.700	109.826	5.761	PK
5			5875.000	59.692	53.872	-45.508	105.200	5.820	PK
6			5925.000	56.826	50.860	-17.174	74.000	5.967	PK
7			5929.462	58.411	52.433	-15.589	74.000	5.978	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: 2016/11/07 - 21:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 2	
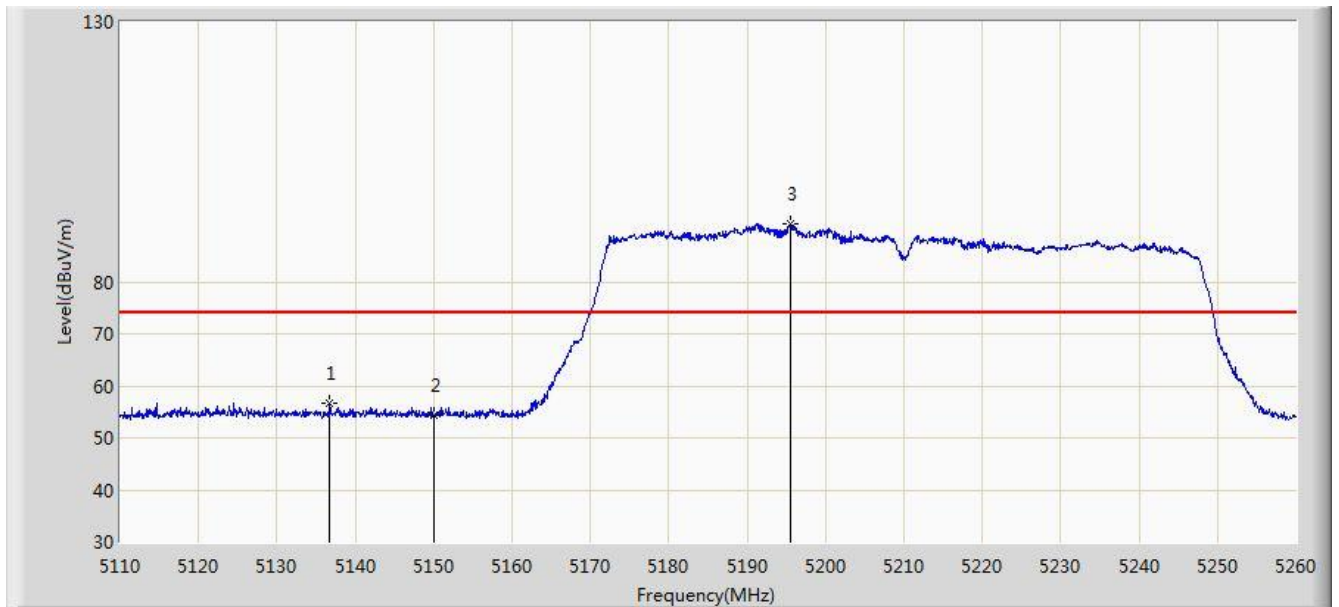
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5136.775	56.599	52.424	-17.401	74.000	4.176	PK
2			5150.000	54.357	50.188	-19.643	74.000	4.170	PK
3			5195.575	91.210	87.196	N/A	N/A	4.014	PK

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

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

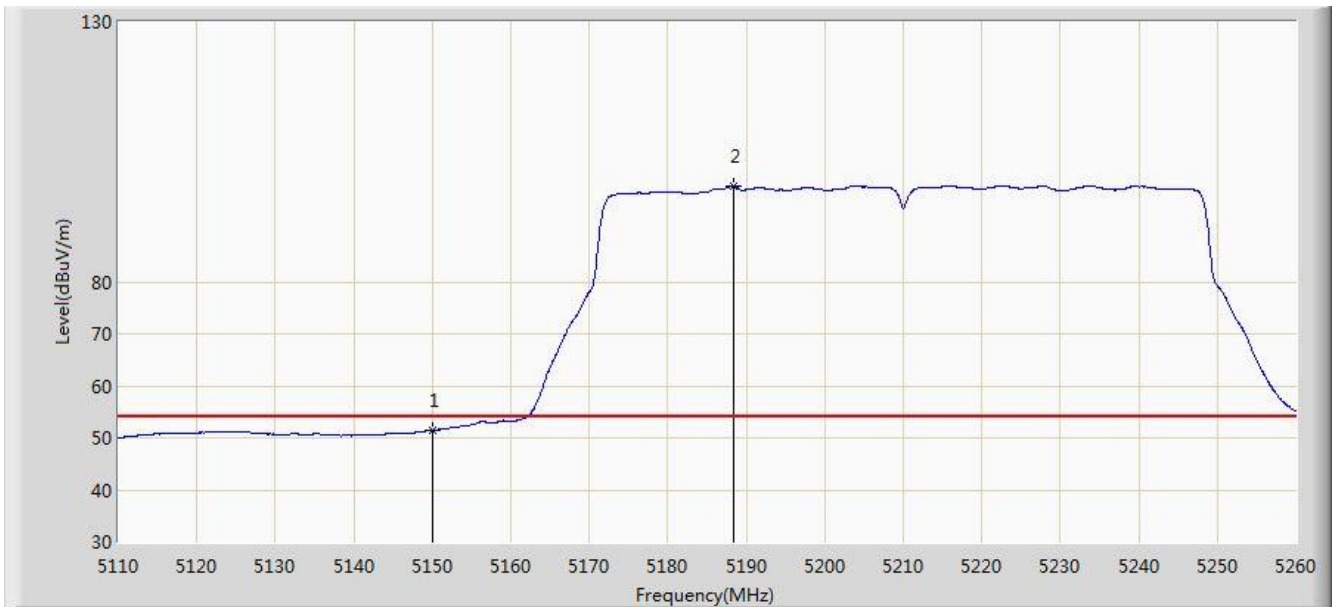| Site: AC1	Time: 2016/11/07 - 21:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 2	
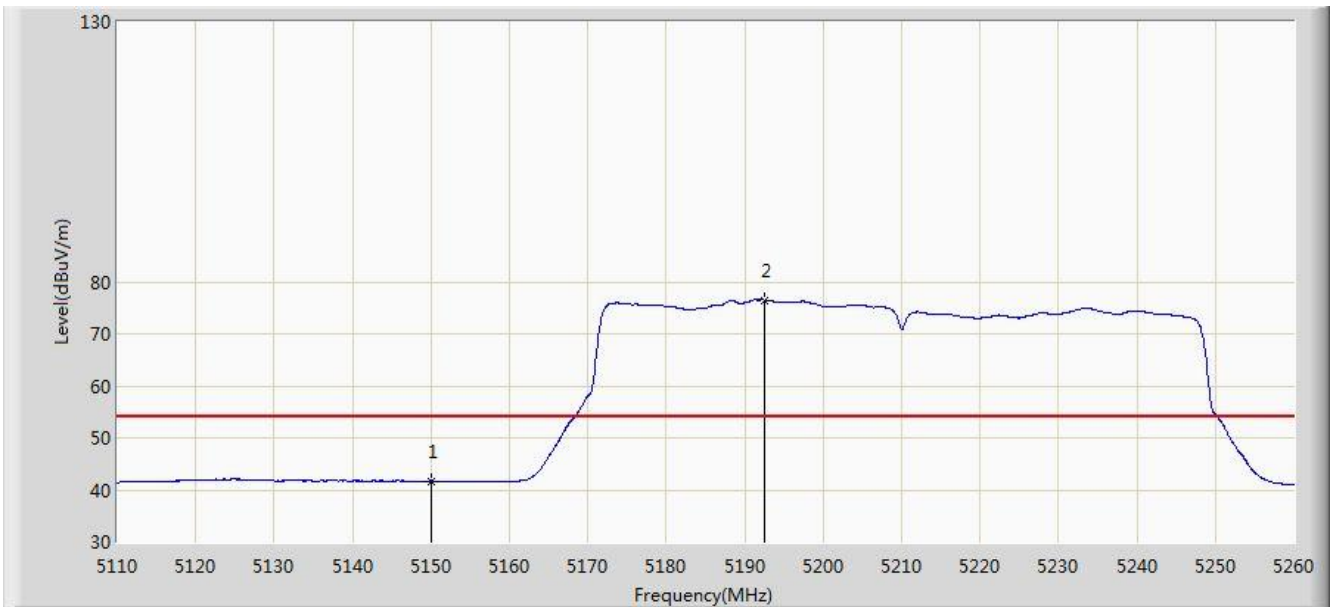
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	41.715	37.546	-12.285	54.000	4.170	AV
2			5192.500	76.518	72.493	N/A	N/A	4.024	AV

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

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

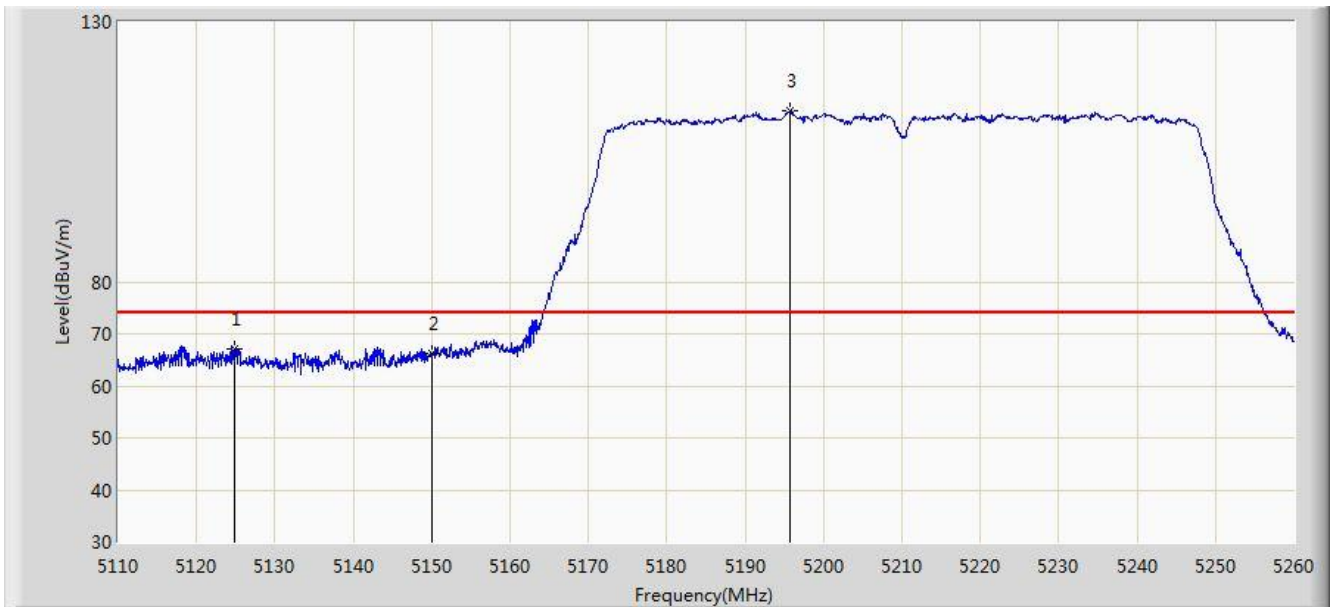| Site: AC1	Time: 2016/11/07 - 21:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 2	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.451	47.282	-2.549	54.000	4.170	AV
2			5188.300	98.401	94.362	N/A	N/A	4.040	AV

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

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

| Site: AC1	Time: 2016/11/07 - 21:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-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			5124.775	67.207	63.032	-6.793	74.000	4.175	PK
2			5150.000	66.098	61.929	-7.902	74.000	4.170	PK
3			5195.800	112.856	108.843	N/A	N/A	4.013	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: 2016/11/07 - 22:10
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	
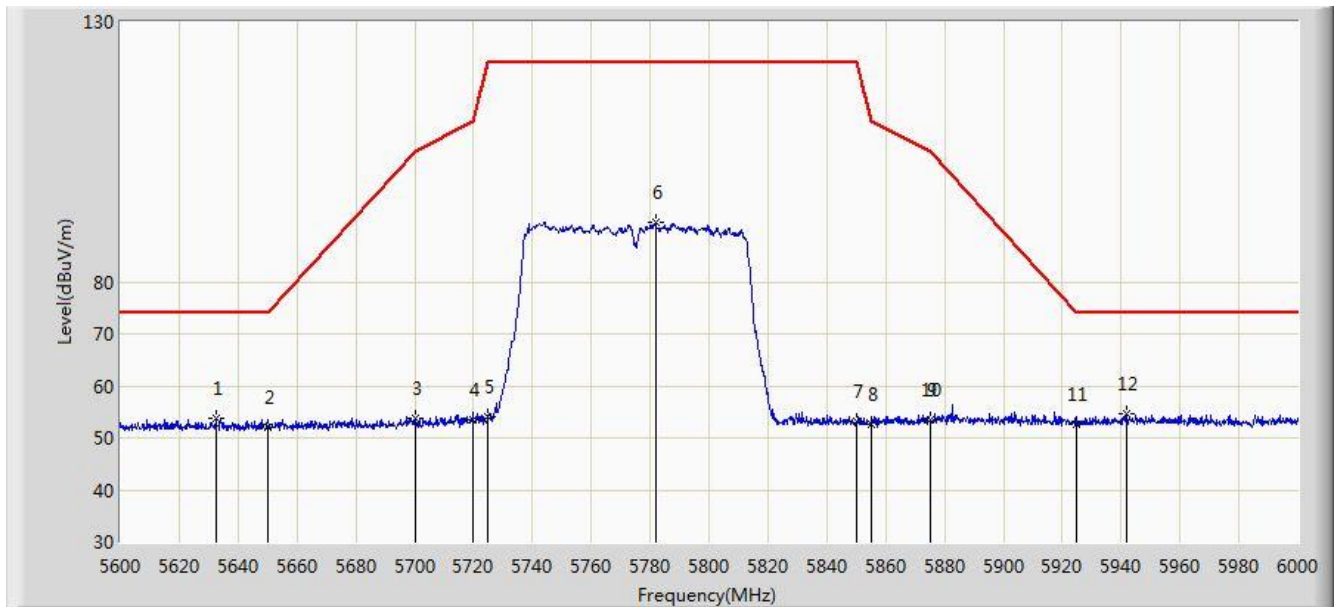
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5632.600	53.656	49.039	-20.344	74.000	4.617	PK
2			5650.000	52.042	47.371	-21.958	74.000	4.671	PK
3			5700.000	53.691	48.813	-51.509	105.200	4.878	PK
4			5720.000	53.461	48.464	-57.339	110.800	4.997	PK
5			5725.000	54.127	49.098	-68.073	122.200	5.029	PK
6			5781.800	91.584	86.233	N/A	N/A	5.350	PK
7			5850.000	53.069	47.343	-69.131	122.200	5.726	PK
8			5855.000	52.706	46.960	-58.094	110.800	5.746	PK
9			5875.000	53.409	47.589	-51.791	105.200	5.820	PK
10			5875.000	53.409	47.589	-51.791	105.200	5.820	PK
11			5925.000	52.738	46.772	-21.262	74.000	5.967	PK
12			5942.000	54.570	48.562	-19.430	74.000	6.009	PK

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

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

Site: AC1				Time: 2016/11/07 - 22:08					
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-VHT80 at Channel 5775MHz Ant 2									
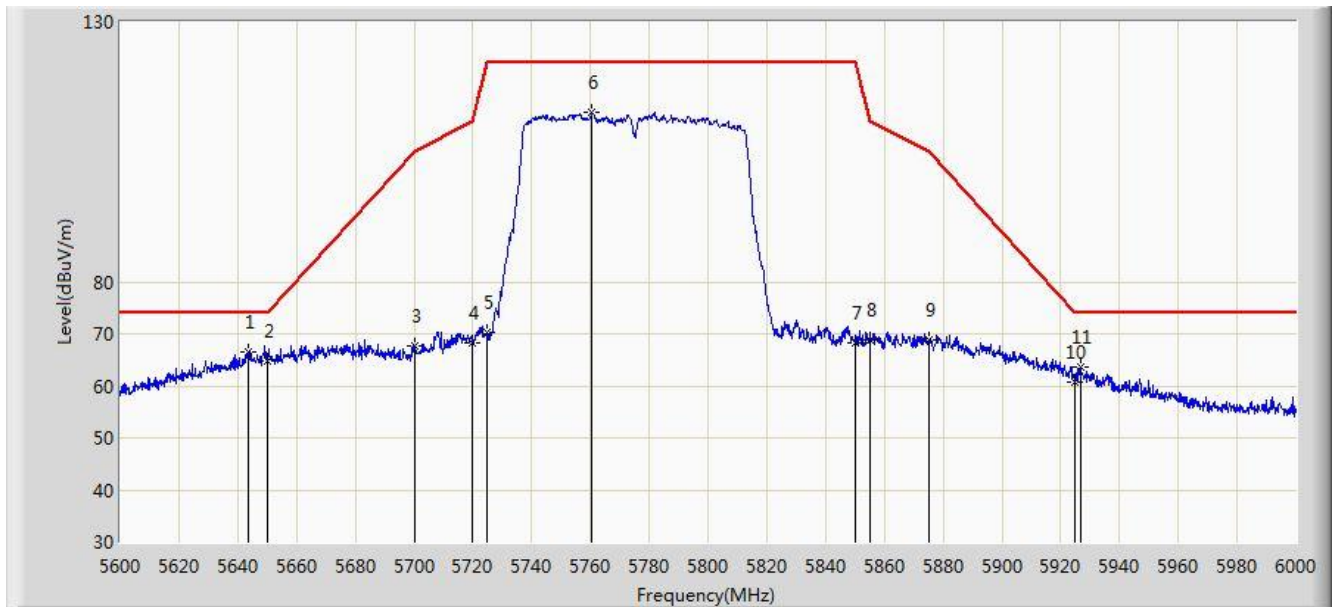
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5643.400	66.538	61.889	-7.462	74.000	4.649	PK
2			5650.000	64.846	60.175	-9.154	74.000	4.671	PK
3			5700.000	67.815	62.937	-37.385	105.200	4.878	PK
4			5720.000	68.308	63.311	-42.492	110.800	4.997	PK
5			5725.000	70.153	65.124	-52.047	122.200	5.029	PK
6			5760.600	112.596	107.353	N/A	N/A	5.244	PK
7			5850.000	68.403	62.677	-53.797	122.200	5.726	PK
8			5855.000	68.794	63.048	-42.006	110.800	5.746	PK
9			5875.000	68.697	62.877	-36.503	105.200	5.820	PK
10			5925.000	60.860	54.894	-13.140	74.000	5.967	PK
11			5926.600	63.561	57.591	-10.439	74.000	5.970	PK

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

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

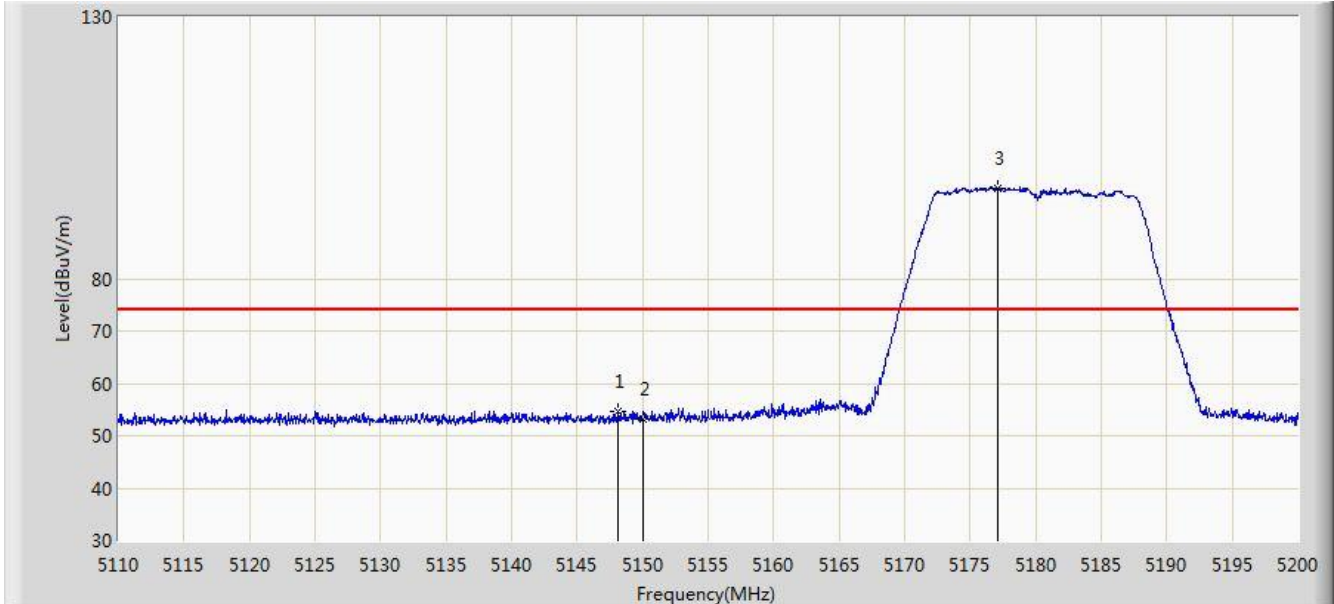| Site: AC1	Time: 2016/11/07 - 22:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 3	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.070	54.679	50.504	-19.321	74.000	4.176	PK
2			5150.000	53.251	49.082	-20.749	74.000	4.170	PK
3			5177.140	97.253	93.174	N/A	N/A	4.080	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: 2016/11/07 - 22:19
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	
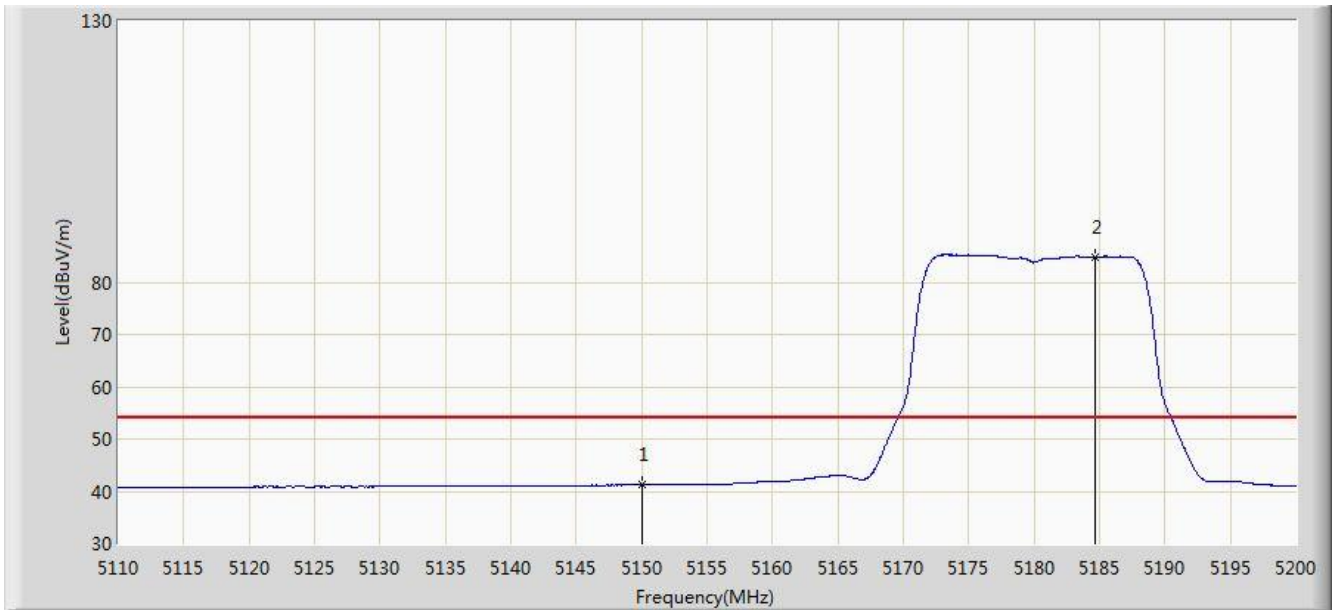
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	41.198	37.029	-12.802	54.000	4.170	AV
2			5184.700	84.815	80.763	N/A	N/A	4.053	AV

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

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

Site: AC1	Time: 2016/11/07 - 22:13
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 802.11a at Channel 5180MHz Ant 3	
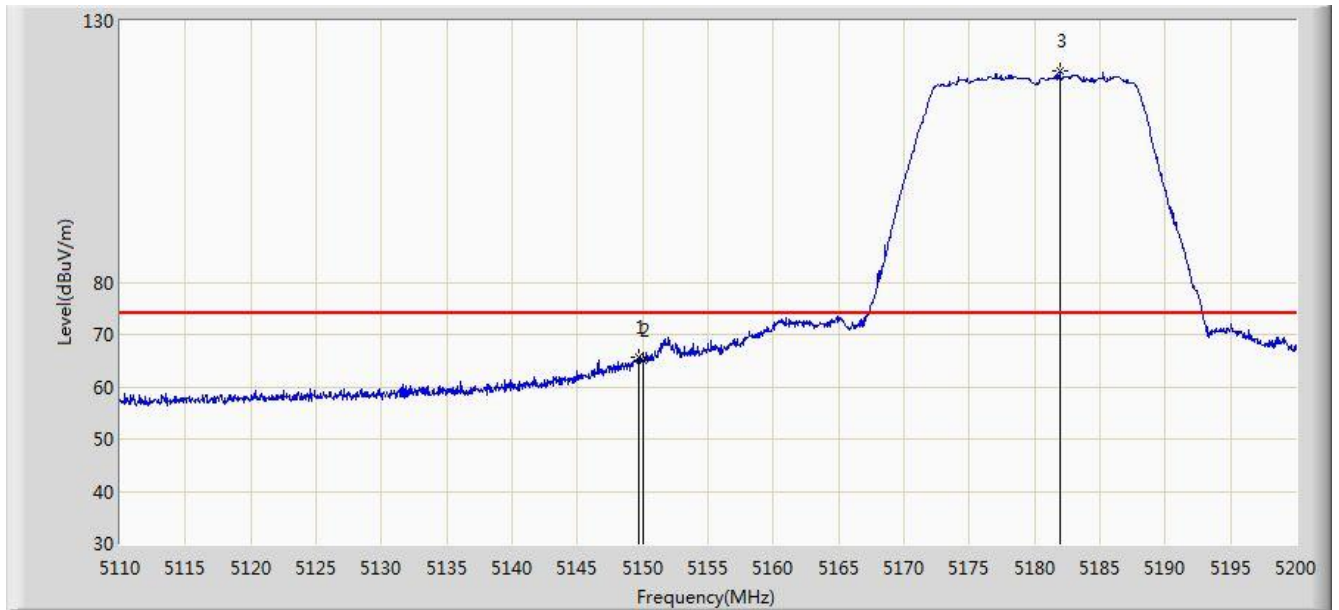
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.690	65.650	61.480	-8.350	74.000	4.170	PK
2			5150.000	65.108	60.939	-8.892	74.000	4.170	PK
3			5181.910	120.406	116.344	N/A	N/A	4.062	PK

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: 2016/11/07 - 22:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a 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			5150.000	50.991	46.822	-3.009	54.000	4.170	AV
2			5181.325	106.868	102.804	N/A	N/A	4.064	AV

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

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

| Site: AC1	Time: 2016/11/07 - 22:55
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	
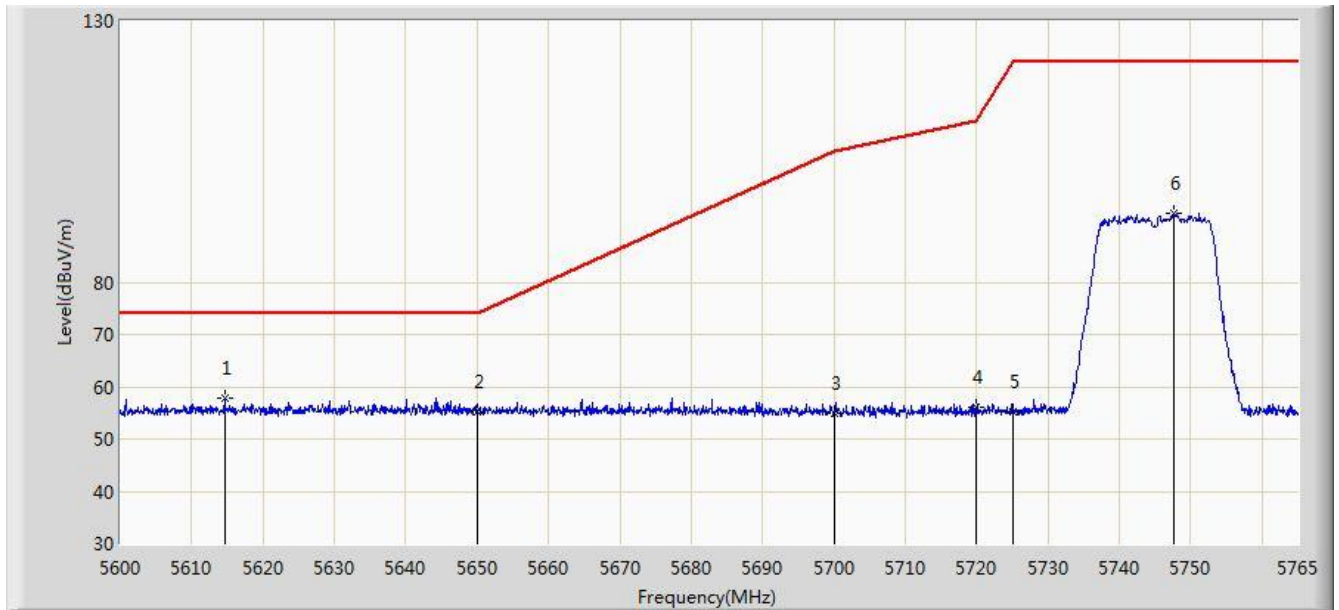
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5614.603	57.874	53.309	-16.126	74.000	4.565	PK
2			5650.000	55.308	50.637	-18.692	74.000	4.671	PK
3			5700.000	54.878	50.000	-50.322	105.200	4.878	PK
4			5720.000	55.964	50.967	-54.836	110.800	4.997	PK
5			5725.000	55.294	50.265	-66.906	122.200	5.029	PK
6			5747.592	93.088	87.918	N/A	N/A	5.170	PK

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

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

| Site: AC1	Time: 2016/11/07 - 22:53
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 802.11a at Channel 5745MHz Ant 3	
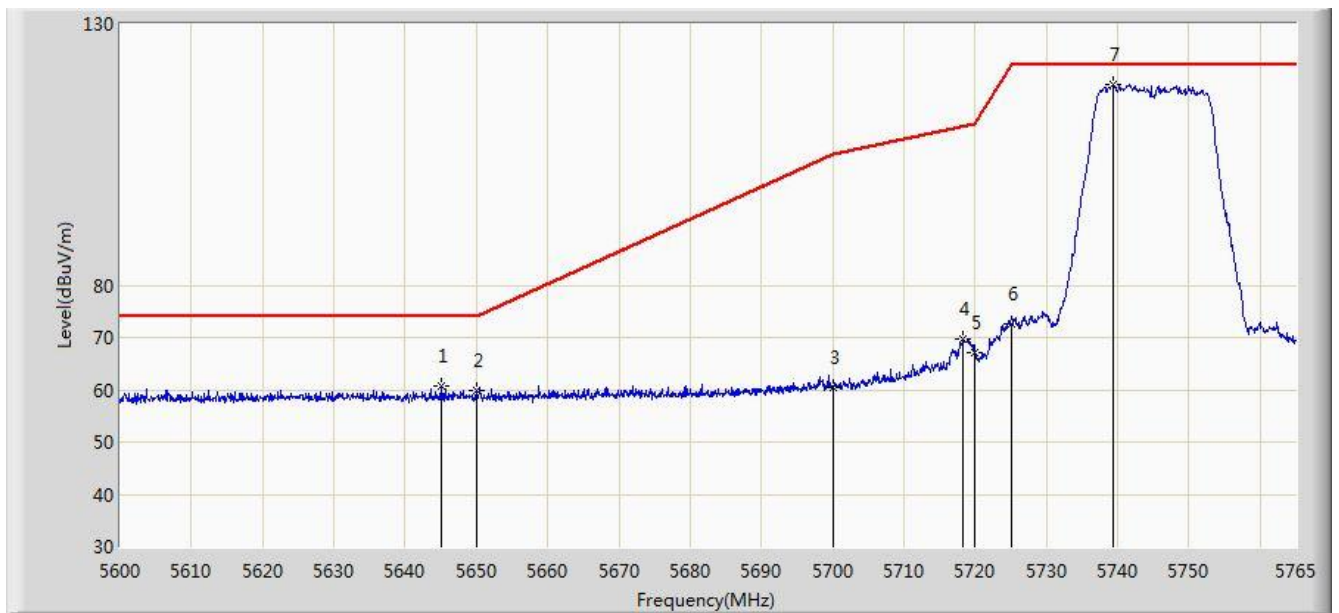
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5645.127	60.611	55.956	-13.389	74.000	4.654	PK
2			5650.000	59.714	55.043	-14.286	74.000	4.671	PK
3			5700.000	60.488	55.610	-44.712	105.200	4.878	PK
4			5718.305	69.748	64.762	-40.578	110.326	4.986	PK
5			5720.000	67.027	62.030	-43.773	110.800	4.997	PK
6			5725.000	72.554	67.525	-49.646	122.200	5.029	PK
7			5739.260	118.467	113.347	N/A	N/A	5.120	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: 2016/11/07 - 22:59
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 3	
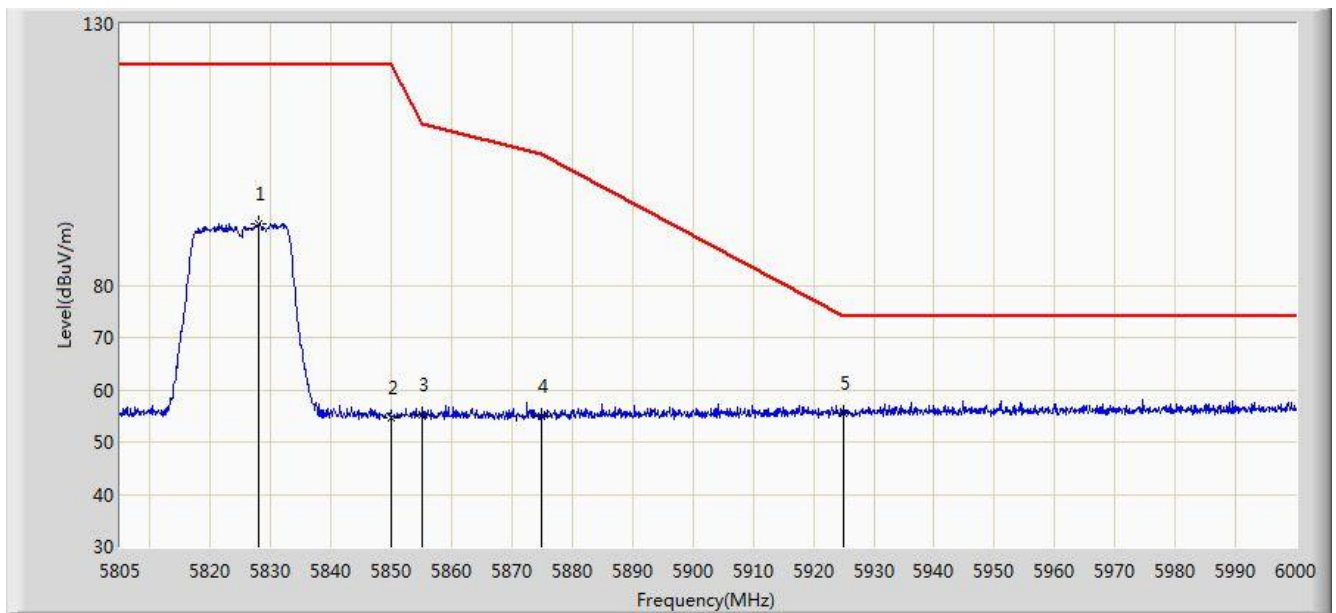
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.010	91.884	86.278	N/A	N/A	5.606	PK
2			5850.000	54.774	49.048	-67.426	122.200	5.726	PK
3			5855.000	55.354	49.608	-55.446	110.800	5.746	PK
4			5875.000	54.961	49.141	-50.239	105.200	5.820	PK
5			5925.000	55.485	49.519	-18.515	74.000	5.967	PK

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

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

| Site: AC1	Time: 2016/11/07 - 22:56
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 3	
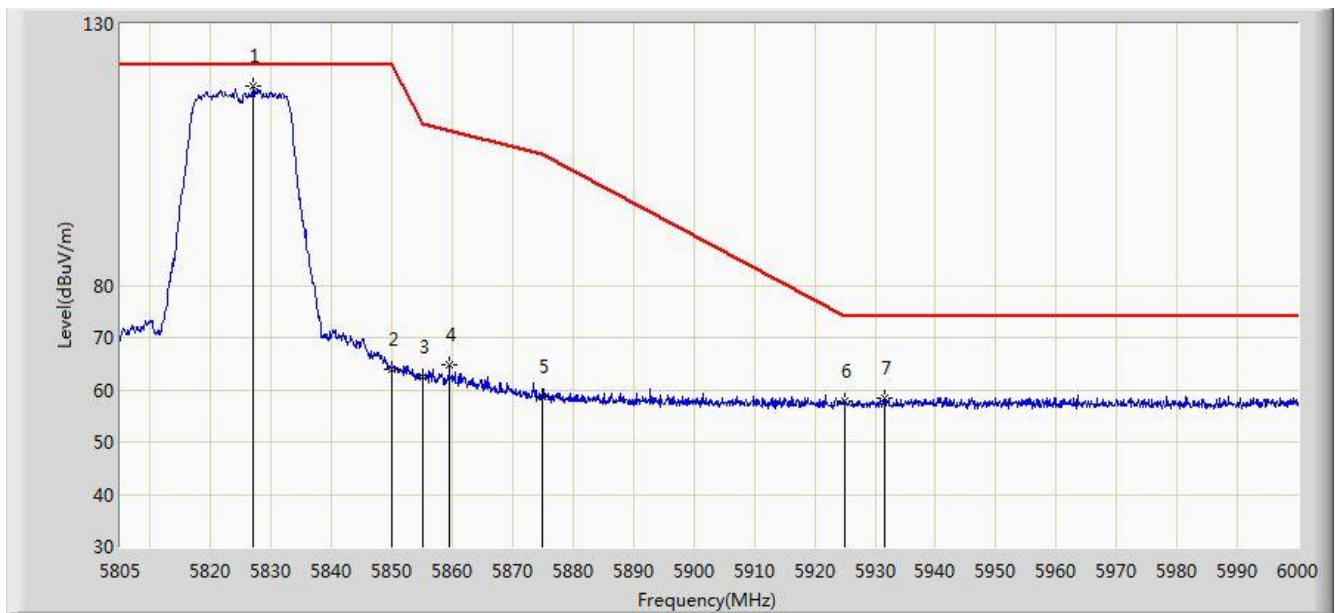
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.035	118.033	112.433	N/A	N/A	5.600	PK
2			5850.000	63.985	58.259	-58.215	122.200	5.726	PK
3			5855.000	62.481	56.735	-48.319	110.800	5.746	PK
4			5859.502	64.836	59.071	-44.702	109.538	5.765	PK
5			5875.000	58.665	52.845	-46.535	105.200	5.820	PK
6			5925.000	57.684	51.718	-16.316	74.000	5.967	PK
7			5931.652	58.438	52.455	-15.562	74.000	5.983	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: 2016/11/07 - 23:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 3	
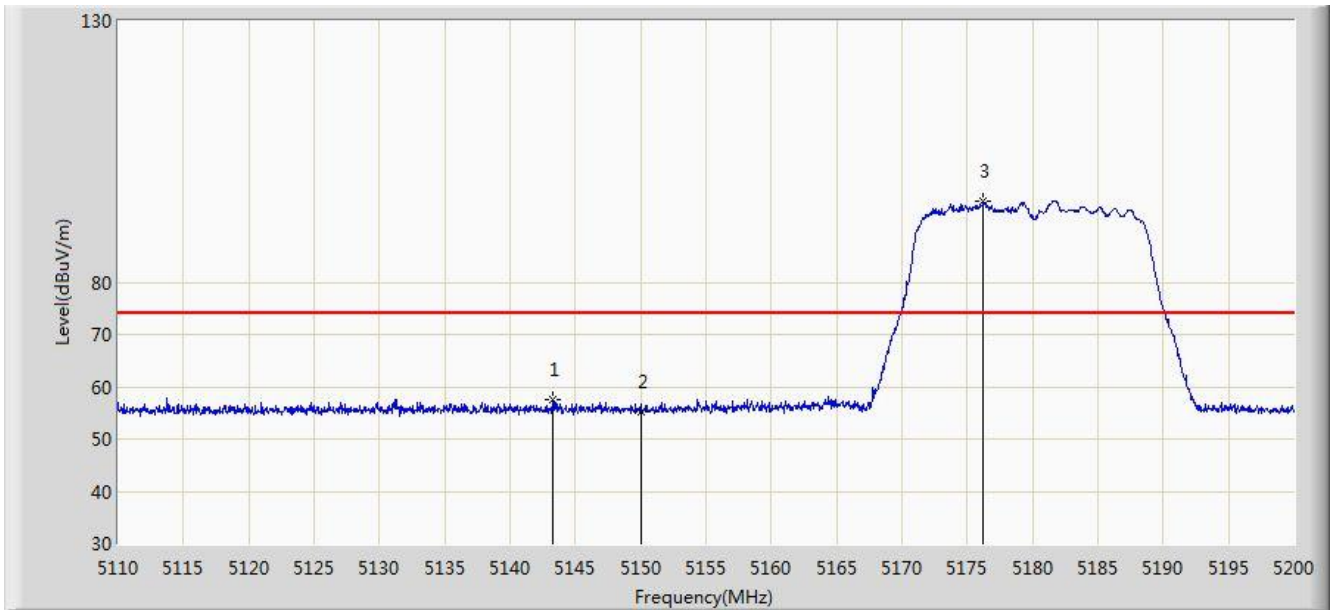
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.300	57.469	53.293	-16.531	74.000	4.176	PK
2			5150.000	55.246	51.077	-18.754	74.000	4.170	PK
3			5176.240	95.431	91.349	N/A	N/A	4.082	PK

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: 2016/11/07 - 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-HT20 at Channel 5180MHz Ant 3	
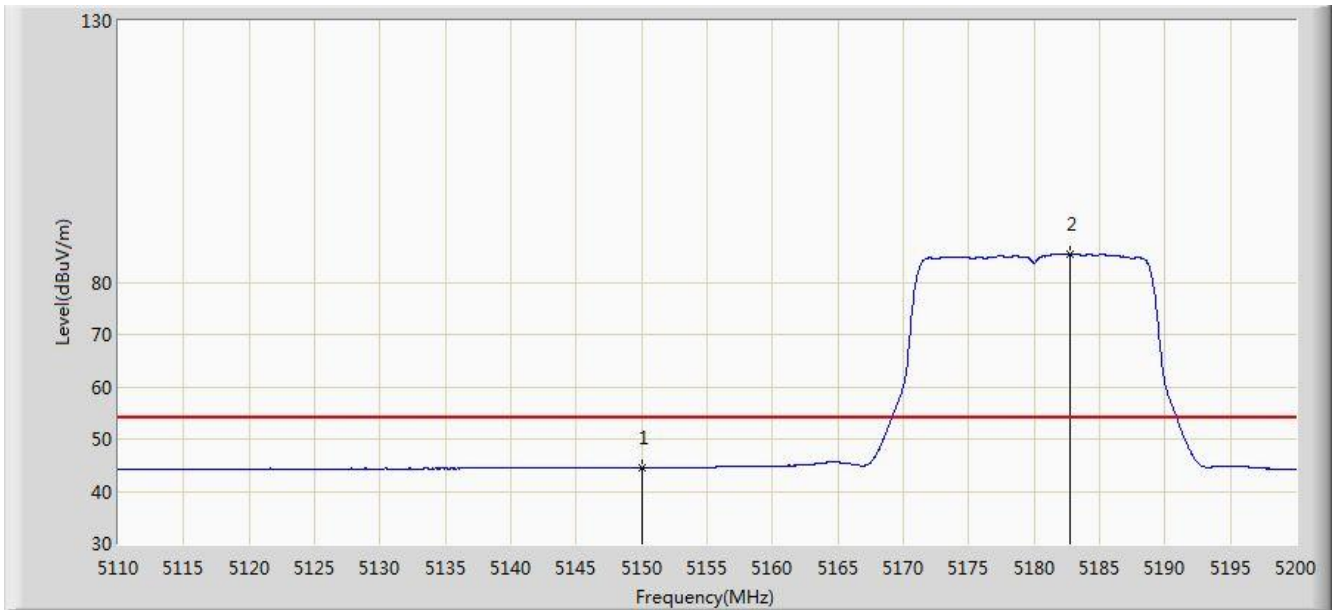
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.478	40.309	-9.522	54.000	4.170	AV
2			5182.720	85.442	81.383	N/A	N/A	4.060	AV

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

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

| Site: AC1	Time: 2016/11/07 - 23:01
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 802.11n-HT20 at Channel 5180MHz Ant 3	
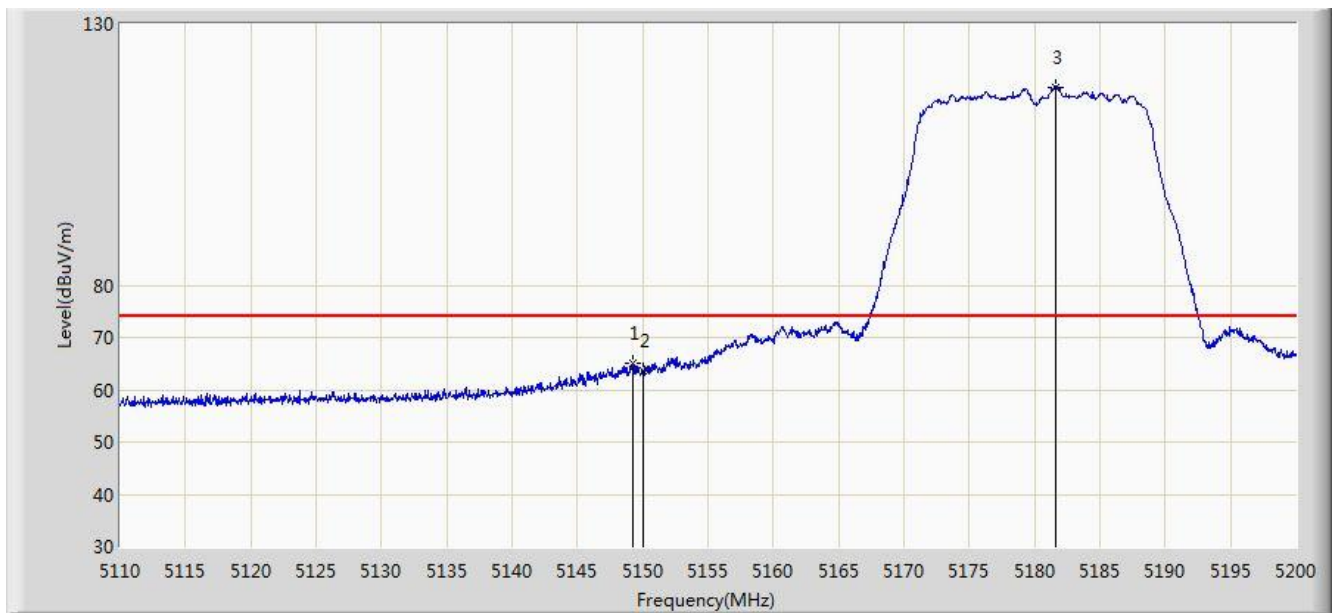
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.240	65.113	60.941	-8.887	74.000	4.172	PK
2			5150.000	63.546	59.377	-10.454	74.000	4.170	PK
3			5181.595	117.902	113.839	N/A	N/A	4.063	PK

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: 2016/11/07 - 23:03
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 802.11n-HT20 at Channel 5180MHz Ant 3	
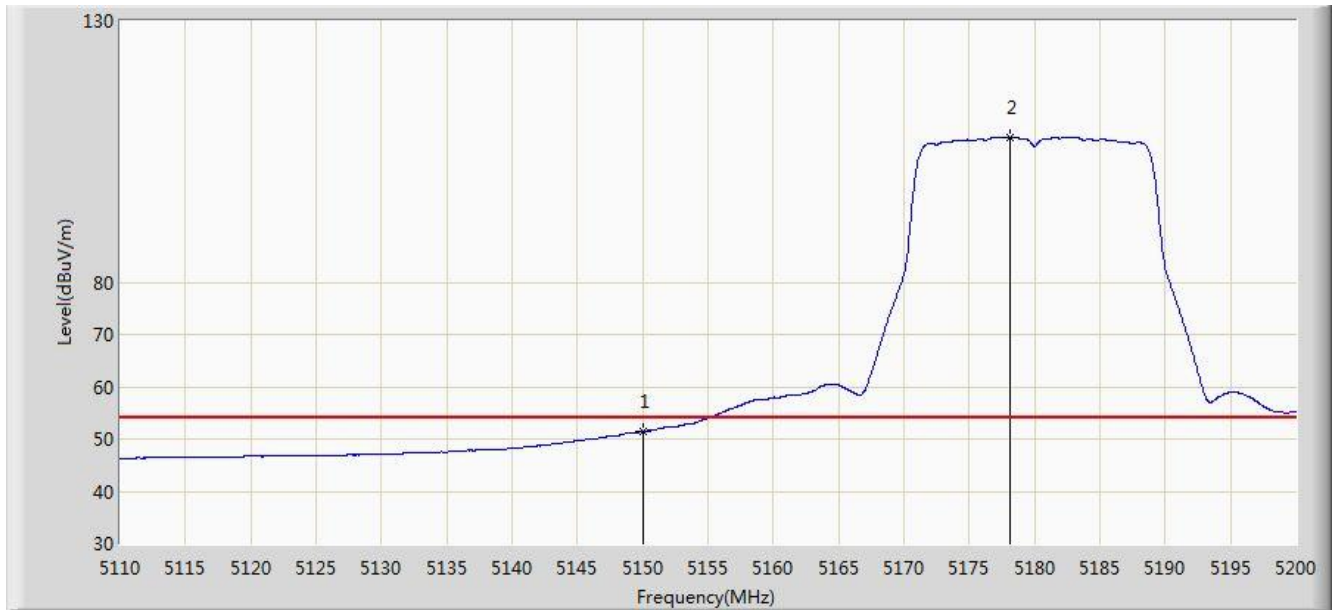
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.485	47.316	-2.515	54.000	4.170	AV
2			5178.130	107.555	103.480	N/A	N/A	4.075	AV

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

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

| Site: AC1	Time: 2016/11/07 - 23:21
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 3	
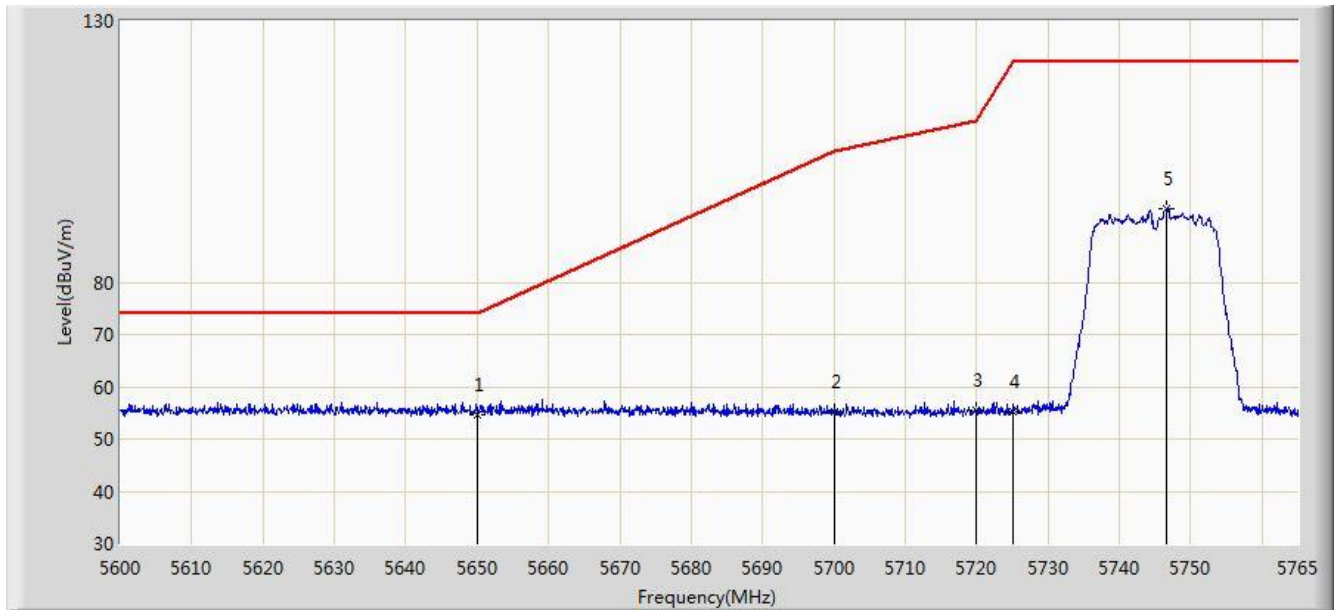
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	54.674	50.003	-19.326	74.000	4.671	PK
2			5700.000	55.303	50.425	-49.897	105.200	4.878	PK
3			5720.000	55.390	50.393	-55.410	110.800	4.997	PK
4			5725.000	55.119	50.090	-67.081	122.200	5.029	PK
5			5746.520	94.158	88.994	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: 2016/11/07 - 23:19
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	
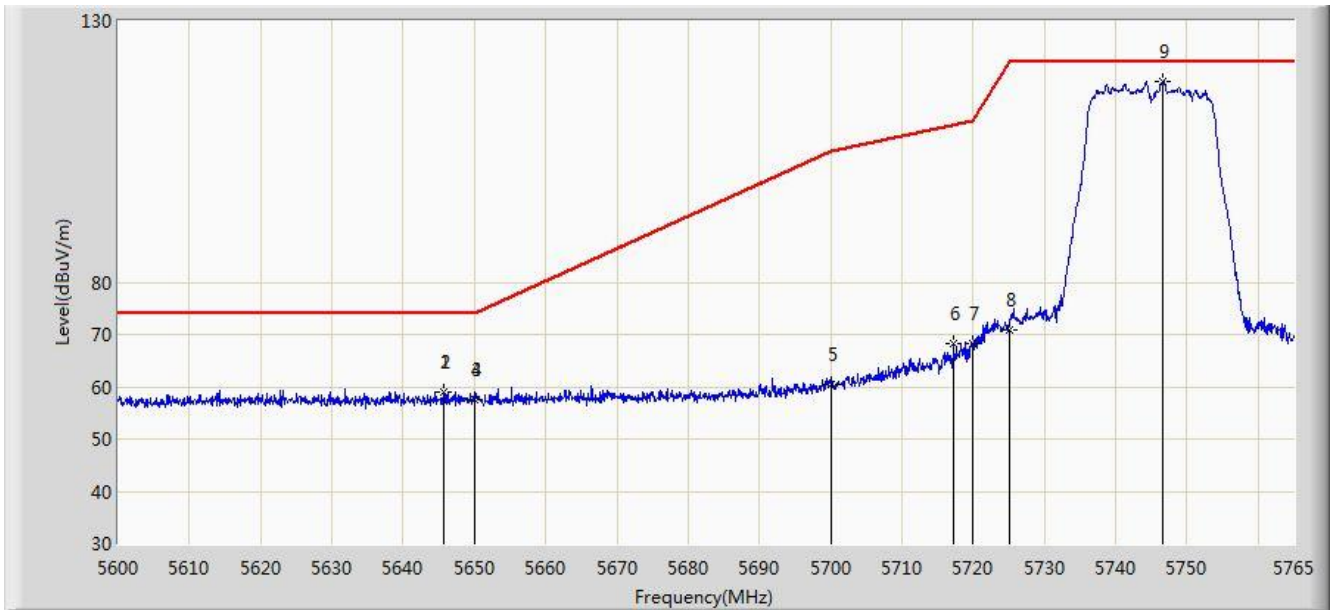
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5645.788	59.058	54.401	-14.942	74.000	4.657	PK
2			5645.788	59.063	55.441	-14.937	74.000	3.621	PK
3			5650.000	57.607	52.936	-16.393	74.000	4.671	PK
4			5650.000	57.606	53.979	-16.394	74.000	3.627	PK
5			5700.000	60.499	55.621	-44.701	105.200	4.878	PK
6			5717.232	68.155	63.176	-41.871	110.026	4.978	PK
7			5720.000	68.350	63.353	-42.450	110.800	4.997	PK
8			5725.000	70.852	65.823	-51.348	122.200	5.029	PK
9			5746.685	118.492	113.327	N/A	N/A	5.165	PK

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

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

| Site: AC1	Time: 2016/11/07 - 23:24
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 3	
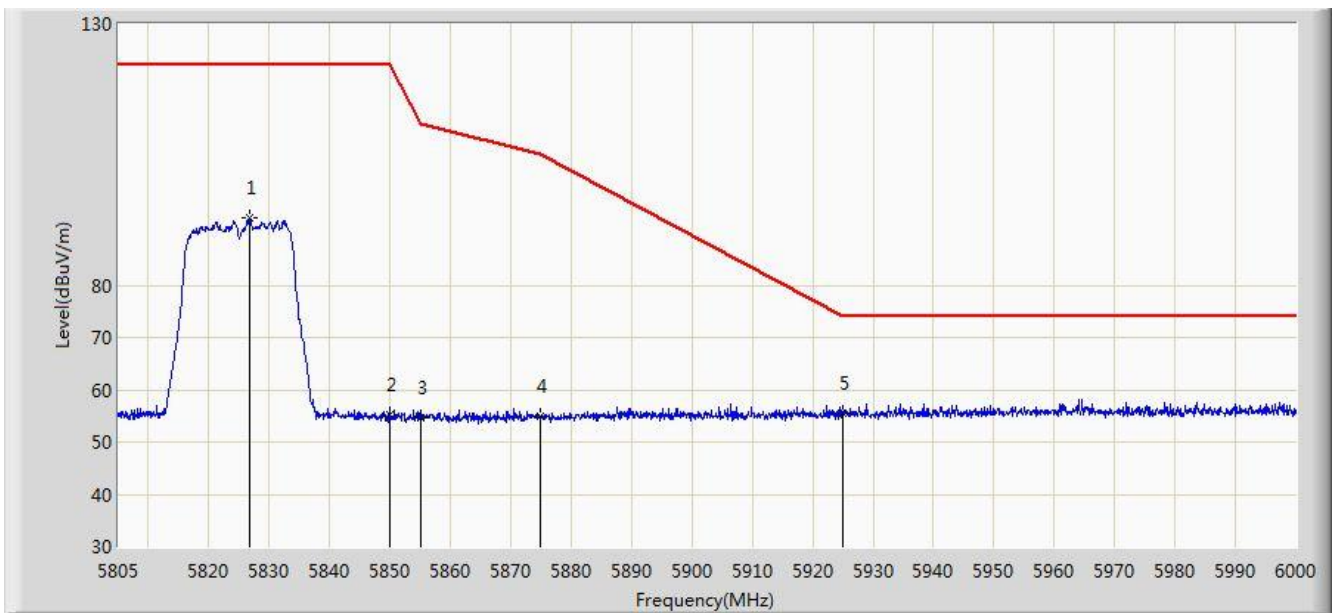
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.743	92.953	87.355	N/A	N/A	5.599	PK
2			5850.000	55.085	49.359	-67.115	122.200	5.726	PK
3			5855.000	54.674	48.928	-56.126	110.800	5.746	PK
4			5875.000	54.817	48.997	-50.383	105.200	5.820	PK
5			5925.000	55.650	49.684	-18.350	74.000	5.967	PK

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

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

| Site: AC1	Time: 2016/11/07 - 23:22
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 3	
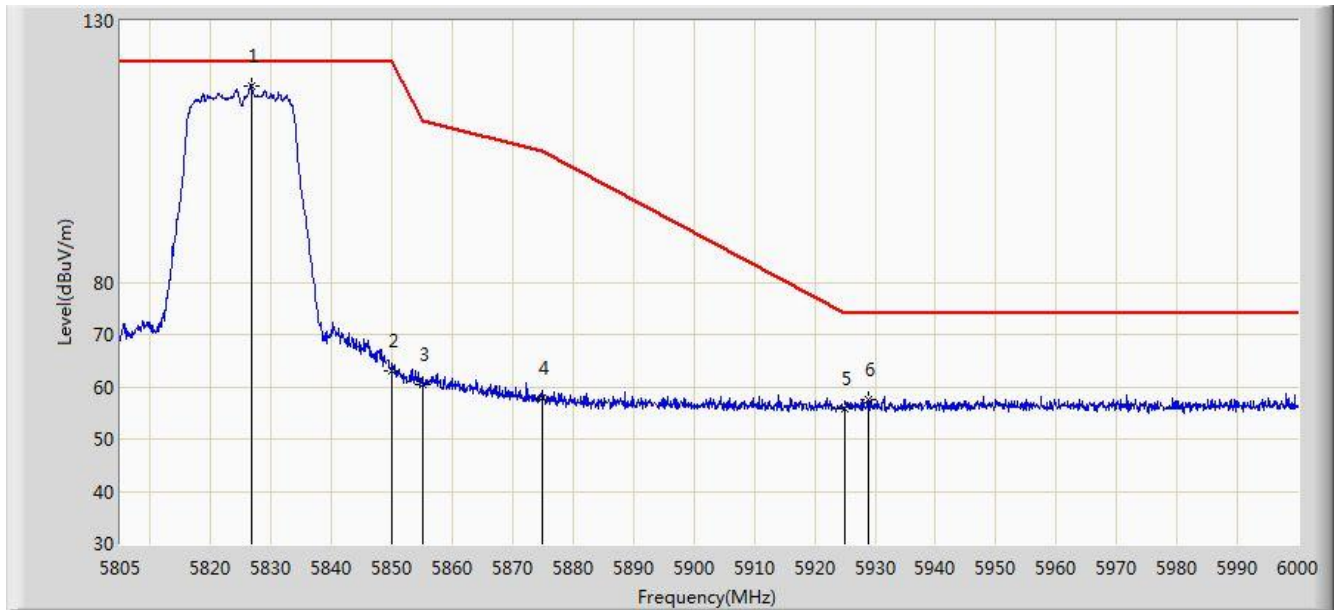
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.743	117.466	111.868	N/A	N/A	5.599	PK
2			5850.000	63.162	57.436	-59.038	122.200	5.726	PK
3			5855.000	60.570	54.824	-50.230	110.800	5.746	PK
4			5875.000	57.897	52.077	-47.303	105.200	5.820	PK
5			5925.000	55.734	49.768	-18.266	74.000	5.967	PK
6			5928.825	57.648	51.672	-16.352	74.000	5.976	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: 2016/11/08 - 00:43
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	
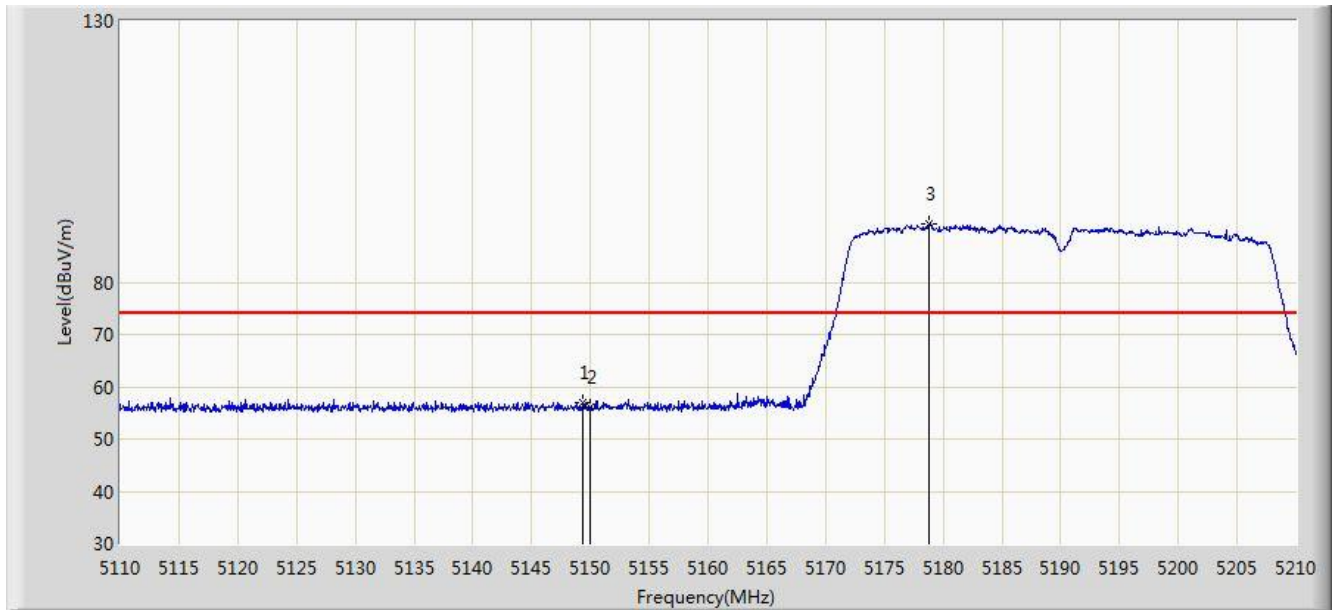
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.400	56.913	52.742	-17.087	74.000	4.171	PK
2			5150.000	56.020	51.851	-17.980	74.000	4.170	PK
3			5178.800	91.087	87.014	N/A	N/A	4.073	PK

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: 2016/11/08 - 00:47
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 802.11n-HT40 at Channel 5190MHz Ant 3	
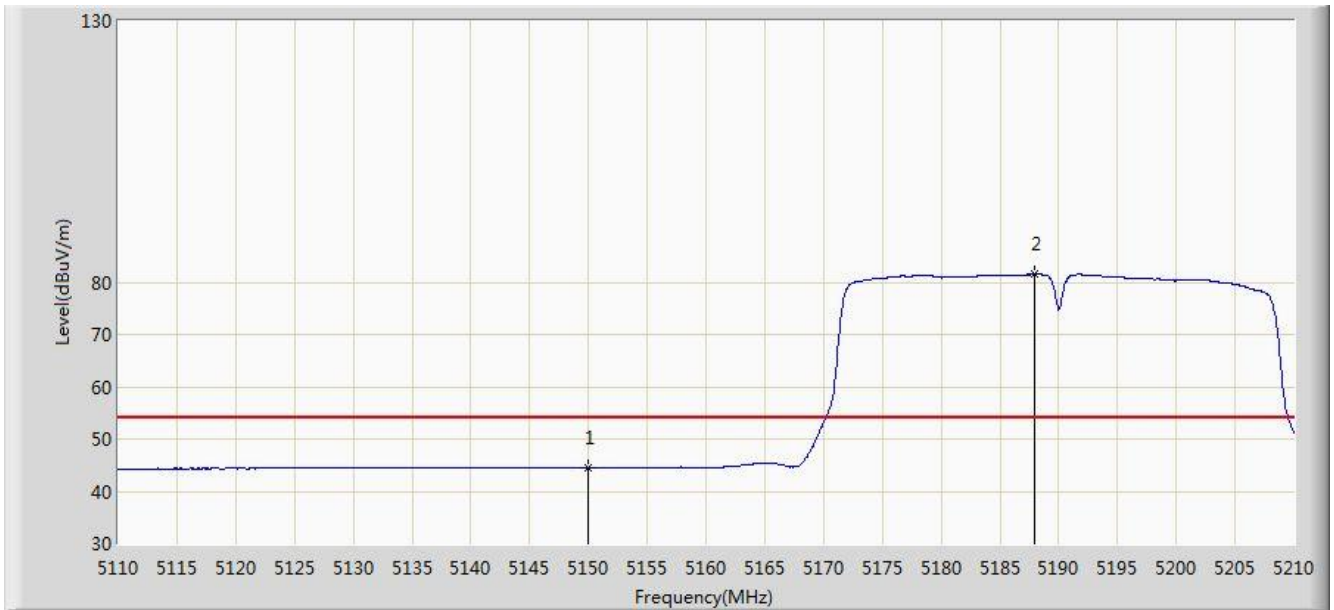
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.492	40.323	-9.508	54.000	4.170	AV
2			5188.000	81.560	77.519	N/A	N/A	4.041	AV

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

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

| Site: AC1	Time: 2016/11/08 - 00:36
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	
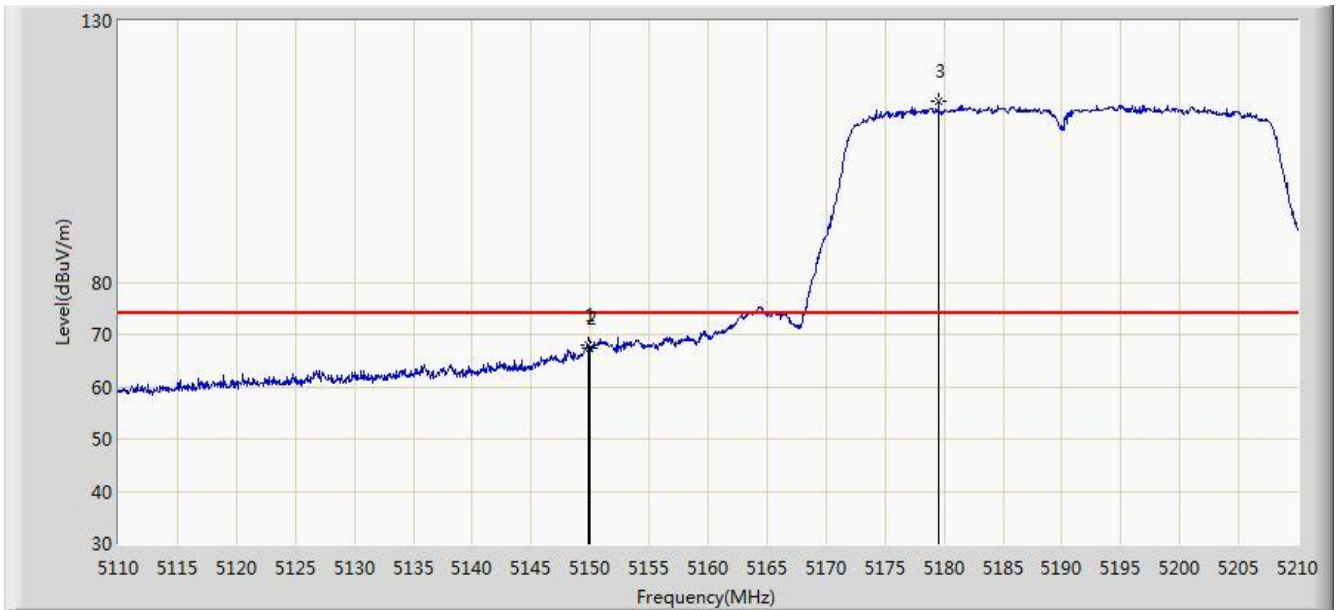
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.850	67.882	63.712	-6.118	74.000	4.170	PK
2			5150.000	67.476	63.307	-6.524	74.000	4.170	PK
3			5179.550	114.514	110.444	N/A	N/A	4.070	PK

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: 2016/11/08 - 00:35
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 802.11n-HT40 at Channel 5190MHz Ant 3	
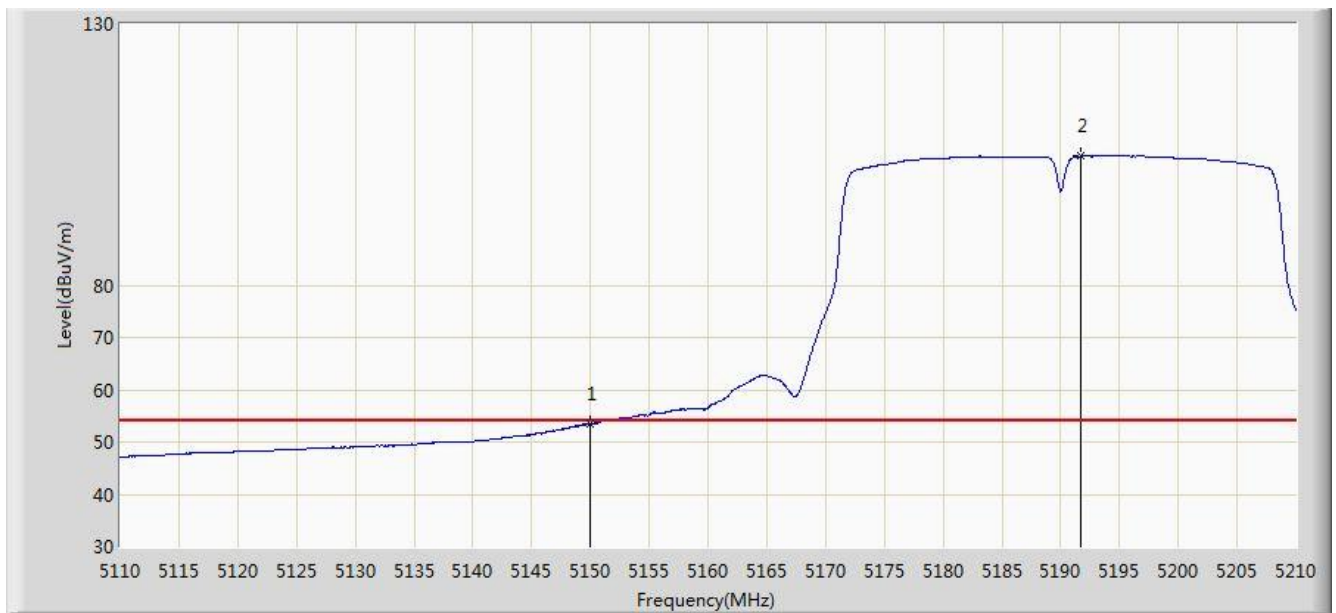
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.495	49.326	-0.505	54.000	4.170	AV
2			5191.750	104.706	100.679	N/A	N/A	4.027	AV

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

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

|	
Site: AC1	Time: 2016/11/08 - 14:05
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 802.11n-HT40 at Channel 5755MHz Ant 3	
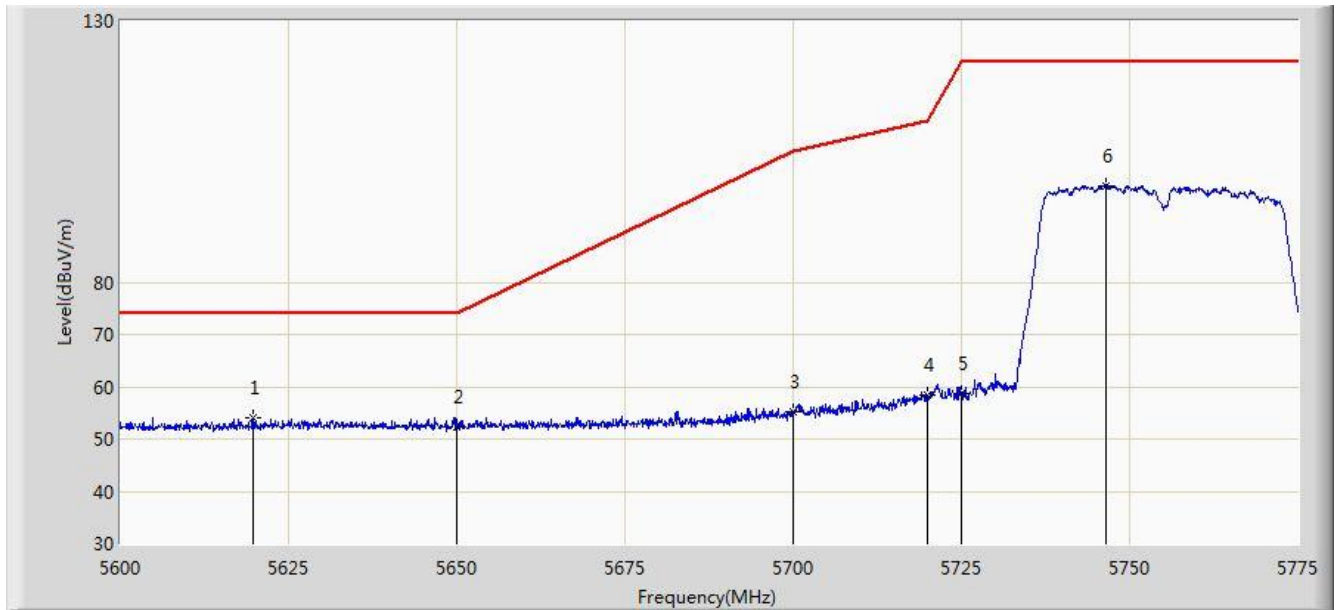
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5619.687	54.120	49.540	-19.880	74.000	4.580	PK
2			5650.000	52.295	47.624	-21.705	74.000	4.671	PK
3			5700.000	55.148	50.270	-50.052	105.200	4.878	PK
4			5720.000	58.396	53.399	-52.404	110.800	4.997	PK
5			5725.000	58.652	53.623	-63.548	122.200	5.029	PK
6			5746.562	98.546	93.382	N/A	N/A	5.164	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: 2016/11/08 - 14:09
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	
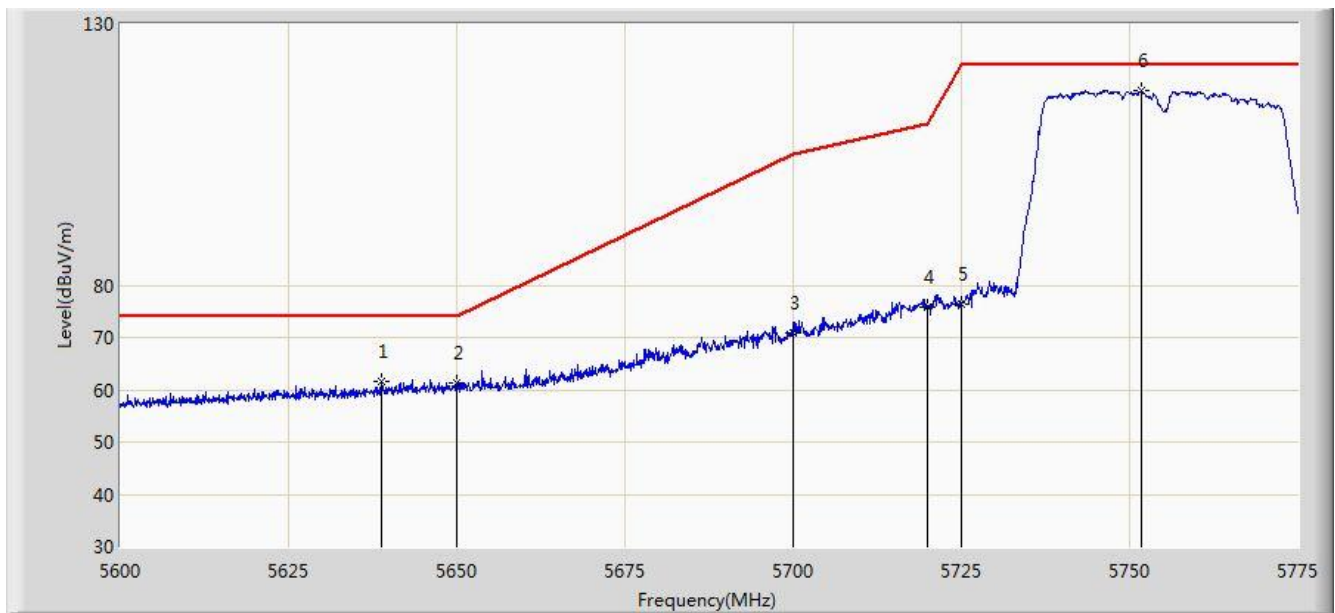
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5638.763	61.616	56.982	-12.384	74.000	4.635	PK
2			5650.000	61.161	56.490	-12.839	74.000	4.671	PK
3			5700.000	70.980	66.102	-34.220	105.200	4.878	PK
4			5720.000	75.843	70.846	-34.957	110.800	4.997	PK
5			5725.000	76.391	71.362	-45.809	122.200	5.029	PK
6			5751.725	117.139	111.946	N/A	N/A	5.193	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: 2016/11/08 - 14:11
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	
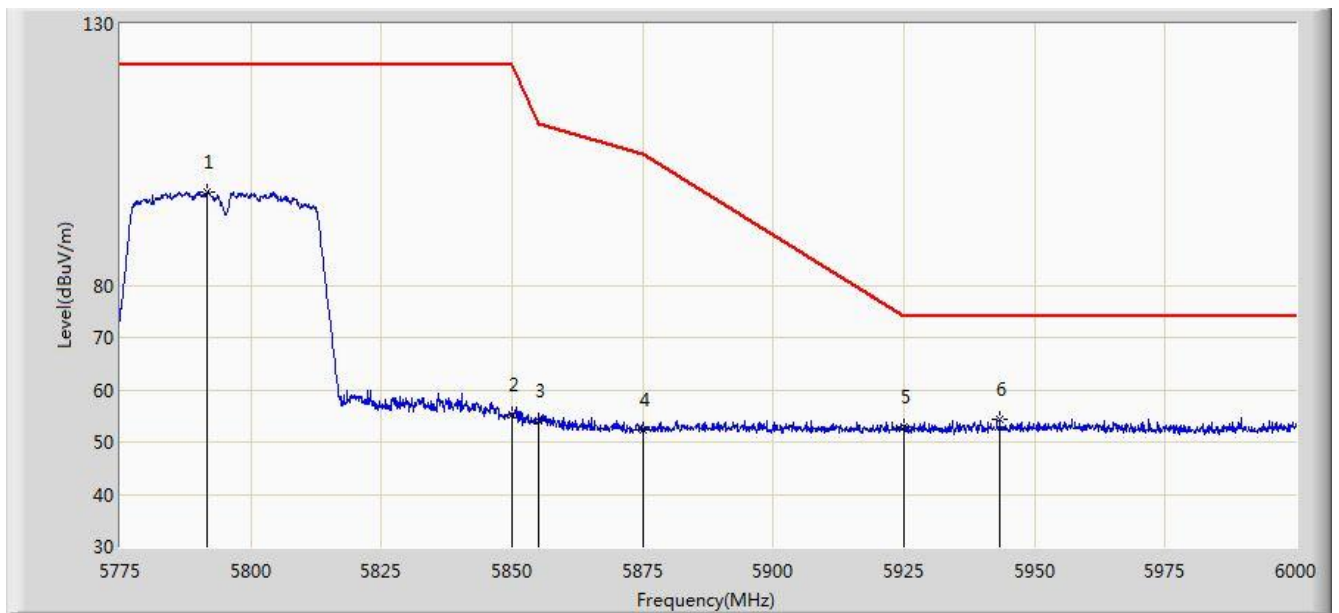
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5791.763	97.920	92.519	N/A	N/A	5.400	PK
2			5850.000	55.326	49.600	-66.874	122.200	5.726	PK
3			5855.000	54.046	48.300	-56.754	110.800	5.746	PK
4			5875.000	52.402	46.582	-52.798	105.200	5.820	PK
5			5925.000	53.000	47.034	-21.000	74.000	5.967	PK
6			5943.300	54.238	48.227	-19.762	74.000	6.011	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: 2016/11/08 - 14:12
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	
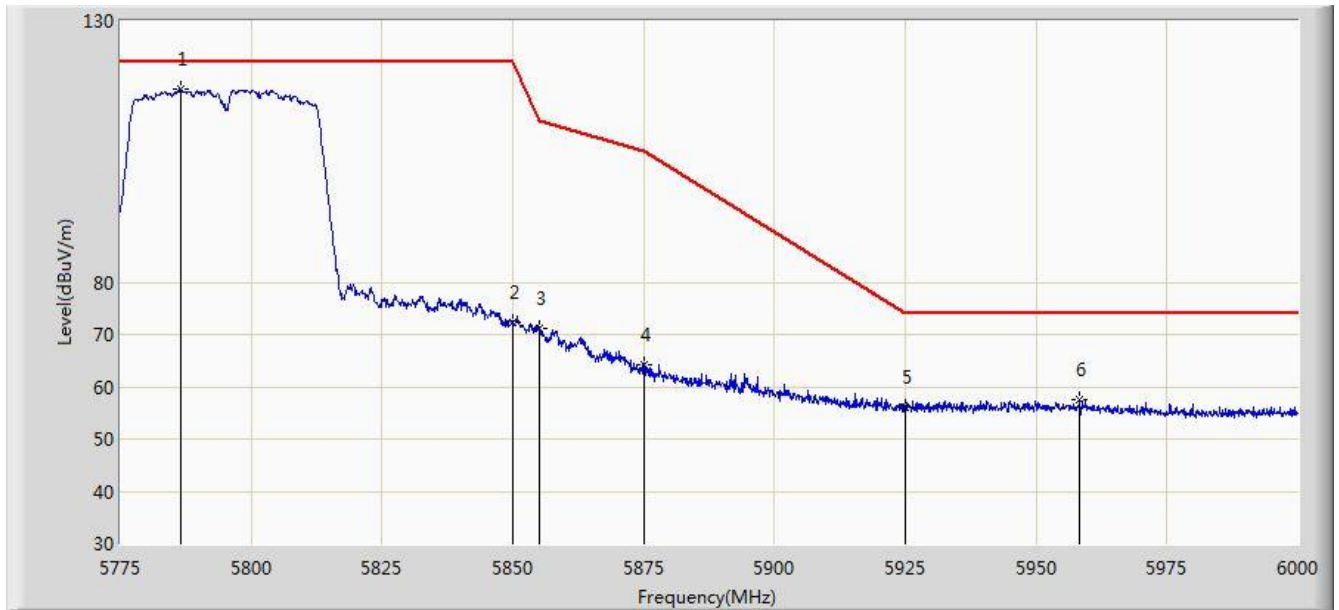
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5786.475	116.862	111.488	N/A	N/A	5.374	PK
2			5850.000	72.252	66.526	-49.948	122.200	5.726	PK
3			5855.000	71.304	65.558	-39.496	110.800	5.746	PK
4			5875.000	64.340	58.520	-40.860	105.200	5.820	PK
5			5925.000	56.012	50.046	-17.988	74.000	5.967	PK
6			5958.263	57.423	51.382	-16.577	74.000	6.041	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: 2016/11/08 - 14:19
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	
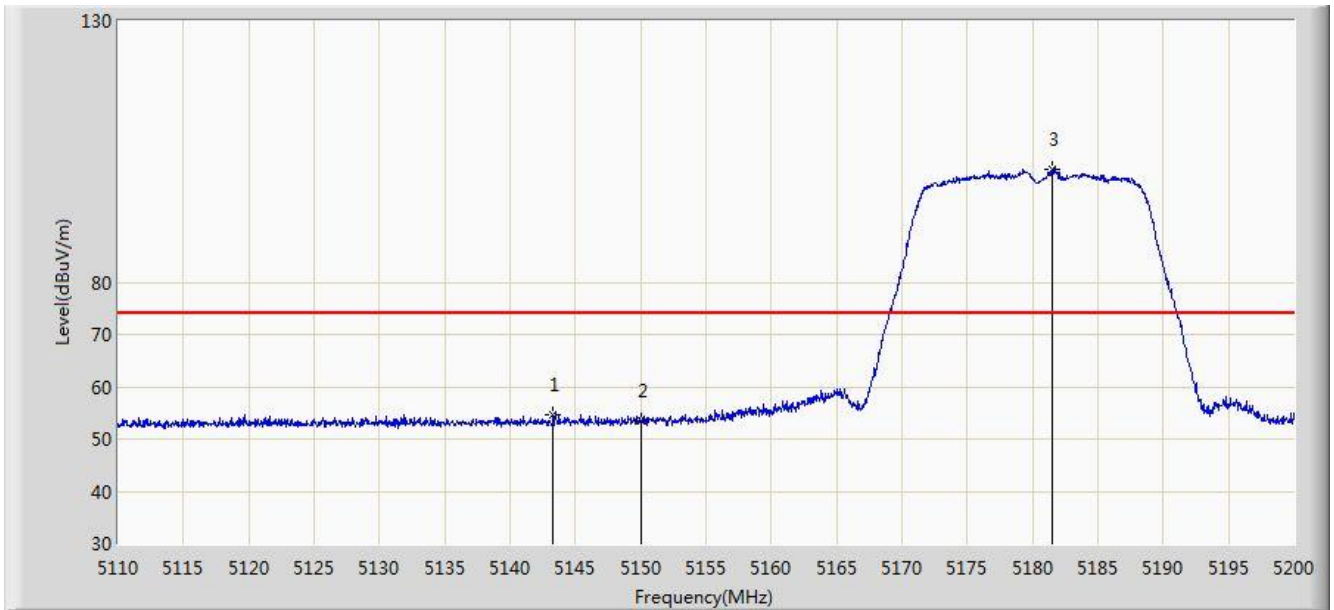
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.300	54.771	50.595	-19.229	74.000	4.176	PK
2			5150.000	53.602	49.433	-20.398	74.000	4.170	PK
3			5181.505	101.585	97.522	N/A	N/A	4.064	PK

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: 2016/11/08 - 14:23
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-VHT20 at Channel 5180MHz Ant 3	
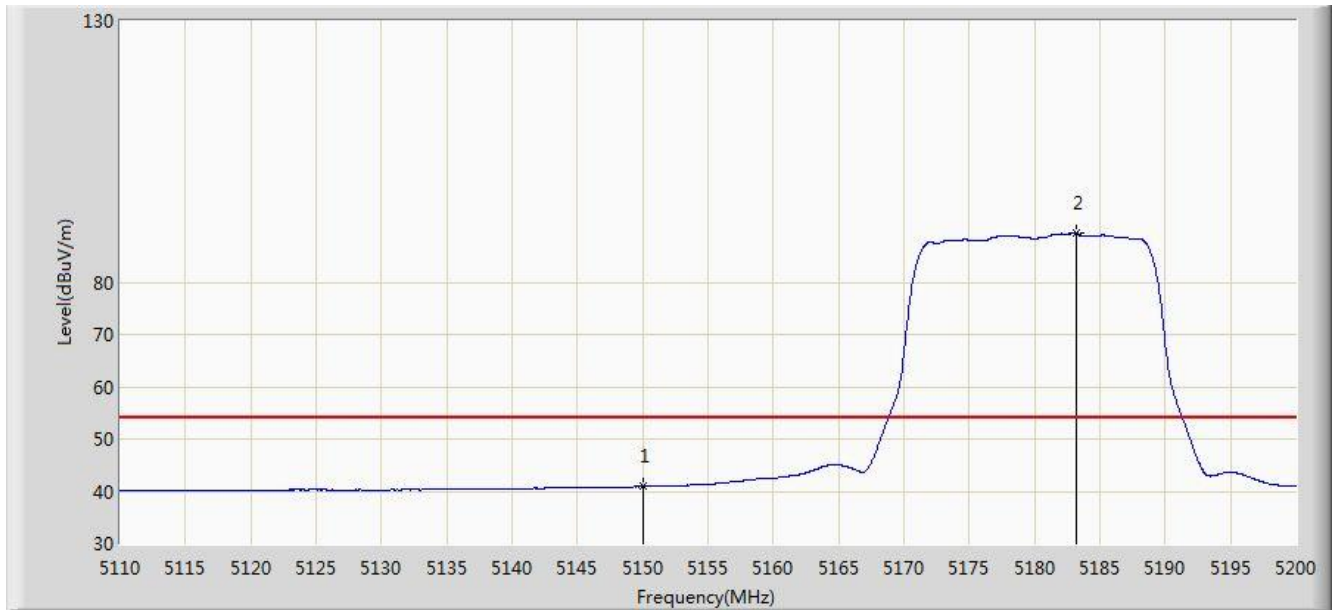
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	40.880	36.711	-13.120	54.000	4.170	AV
2			5183.215	89.336	85.279	N/A	N/A	4.057	AV

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

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

|	
Site: AC1	Time: 2016/11/08 - 14:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 3	
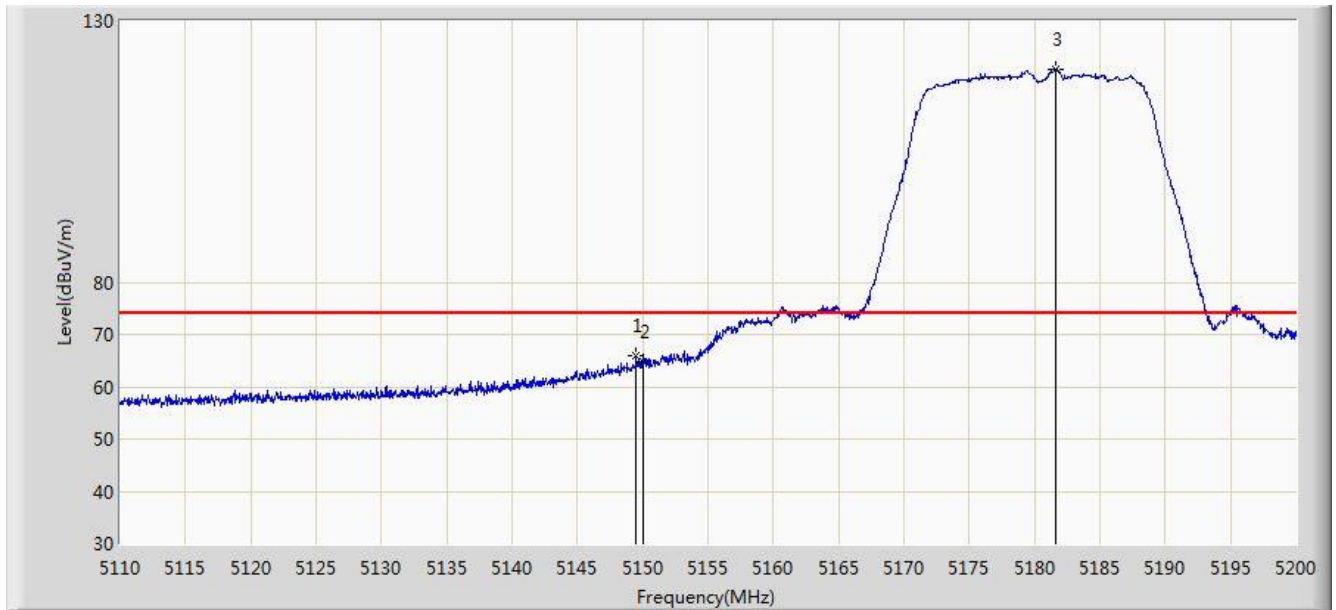
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.510	65.996	61.825	-8.004	74.000	4.170	PK
2			5150.000	64.704	60.535	-9.296	74.000	4.170	PK
3			5181.595	120.840	116.777	N/A	N/A	4.063	PK

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: 2016/11/08 - 14:18
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	
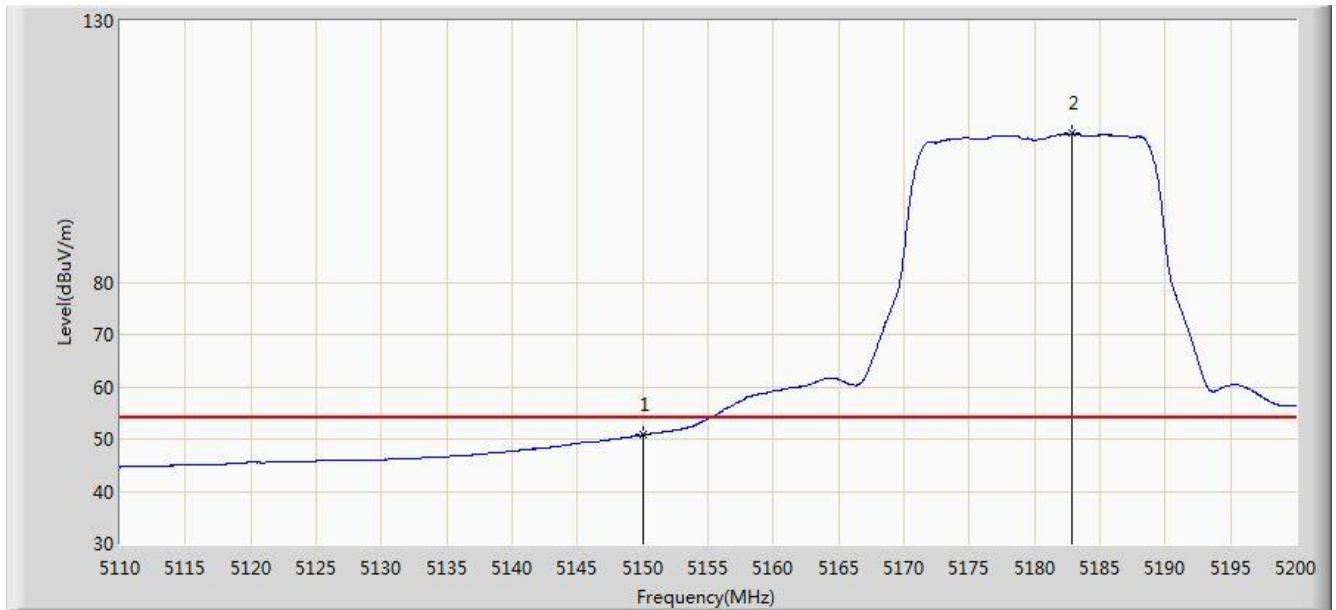
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.730	46.561	-3.270	54.000	4.170	AV
2			5182.855	108.420	104.361	N/A	N/A	4.059	AV

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

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

| Site: AC1	Time: 2016/11/08 - 14:55
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	
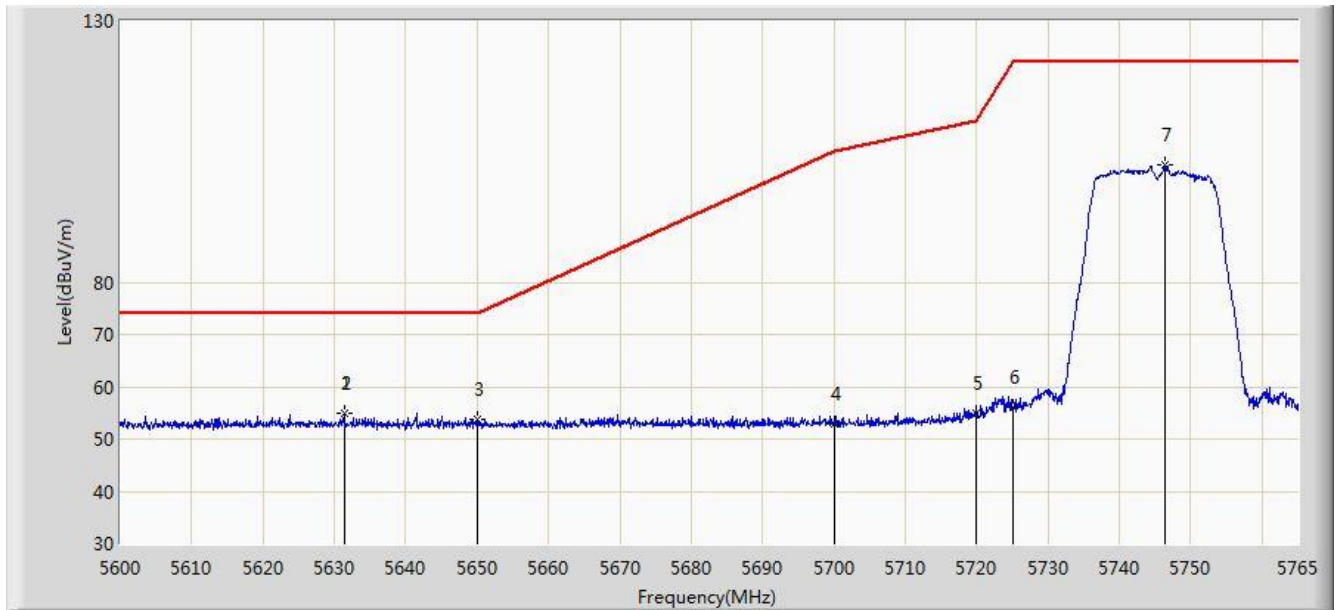
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5631.433	54.926	50.313	-19.074	74.000	4.613	PK
2			5631.433	54.938	51.358	-19.062	74.000	3.579	PK
3			5650.000	53.779	49.108	-20.221	74.000	4.671	PK
4			5700.000	53.006	48.128	-52.194	105.200	4.878	PK
5			5720.000	54.990	49.993	-55.810	110.800	4.997	PK
6			5725.000	56.184	51.155	-66.016	122.200	5.029	PK
7			5746.437	102.395	97.232	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: 2016/11/08 - 14:58
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 3	
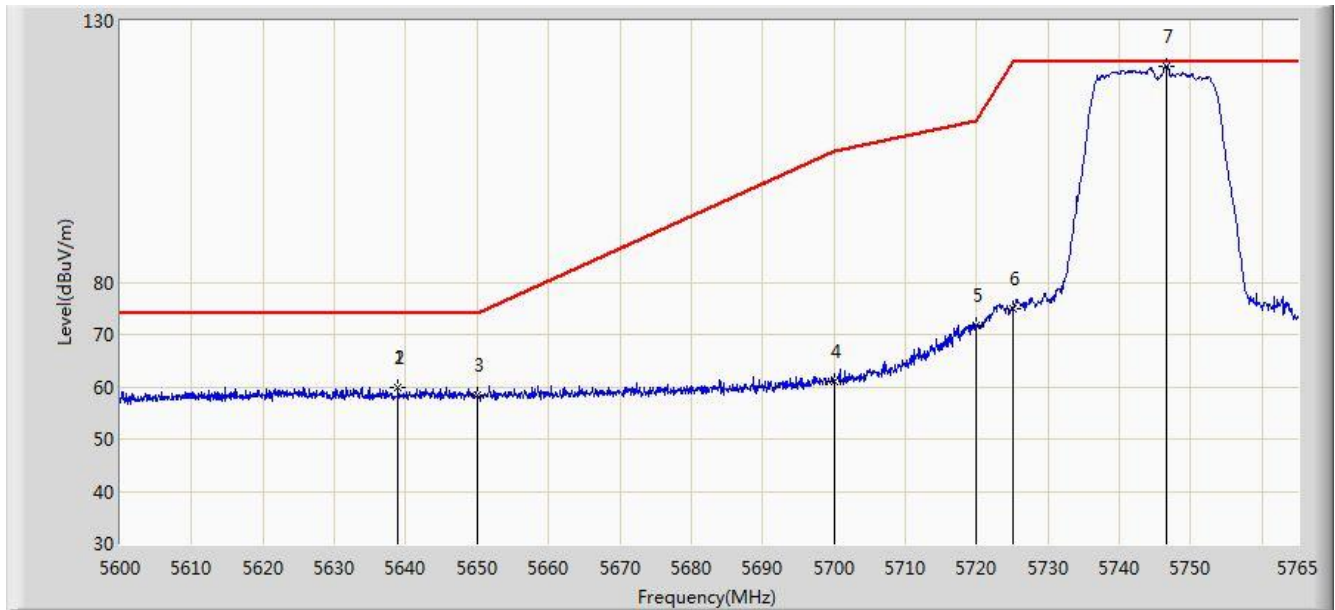
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5638.940	59.871	55.236	-14.129	74.000	4.635	PK
2			5638.940	59.873	56.265	-14.127	74.000	3.608	PK
3			5650.000	58.337	53.666	-15.663	74.000	4.671	PK
4			5700.000	60.959	56.081	-44.241	105.200	4.878	PK
5			5720.000	71.694	66.697	-39.106	110.800	4.997	PK
6			5725.000	74.822	69.793	-47.378	122.200	5.029	PK
7			5746.520	121.315	116.151	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: 2016/11/08 - 15:09
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 3	
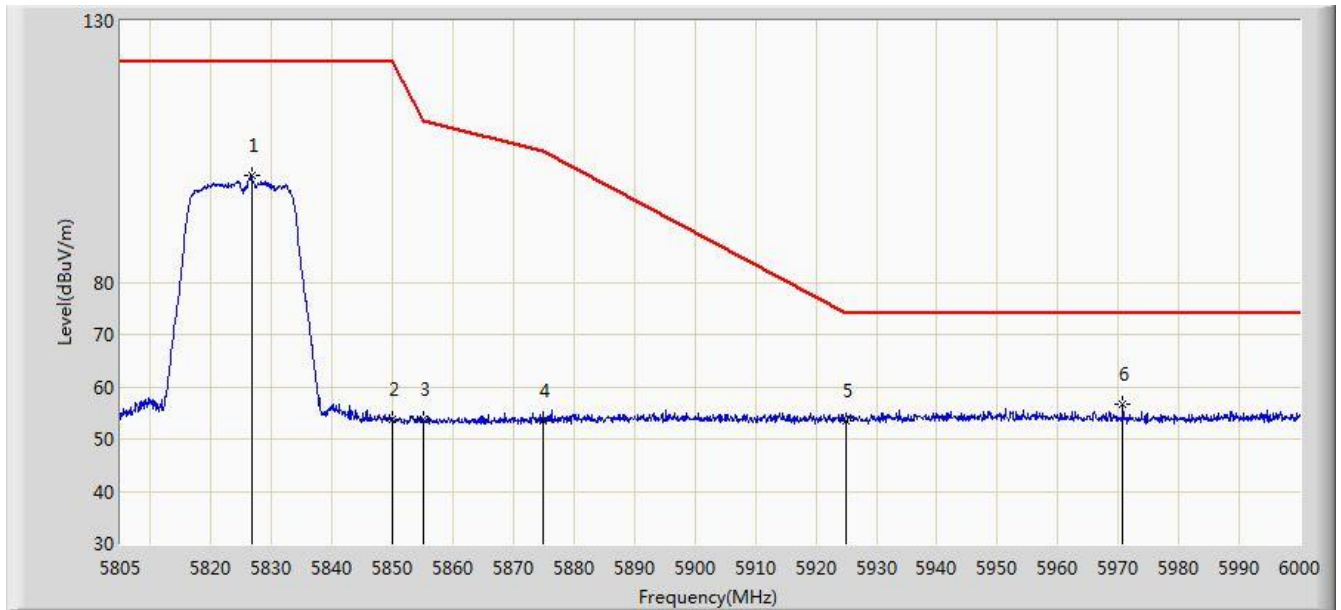
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.743	100.528	94.930	N/A	N/A	5.599	PK
2			5850.000	53.818	48.092	-68.382	122.200	5.726	PK
3			5855.000	53.838	48.092	-56.962	110.800	5.746	PK
4			5875.000	53.571	47.751	-51.629	105.200	5.820	PK
5			5925.000	53.423	47.457	-20.577	74.000	5.967	PK
6			5970.750	56.628	50.566	-17.372	74.000	6.063	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: 2016/11/08 - 15:13
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 3	
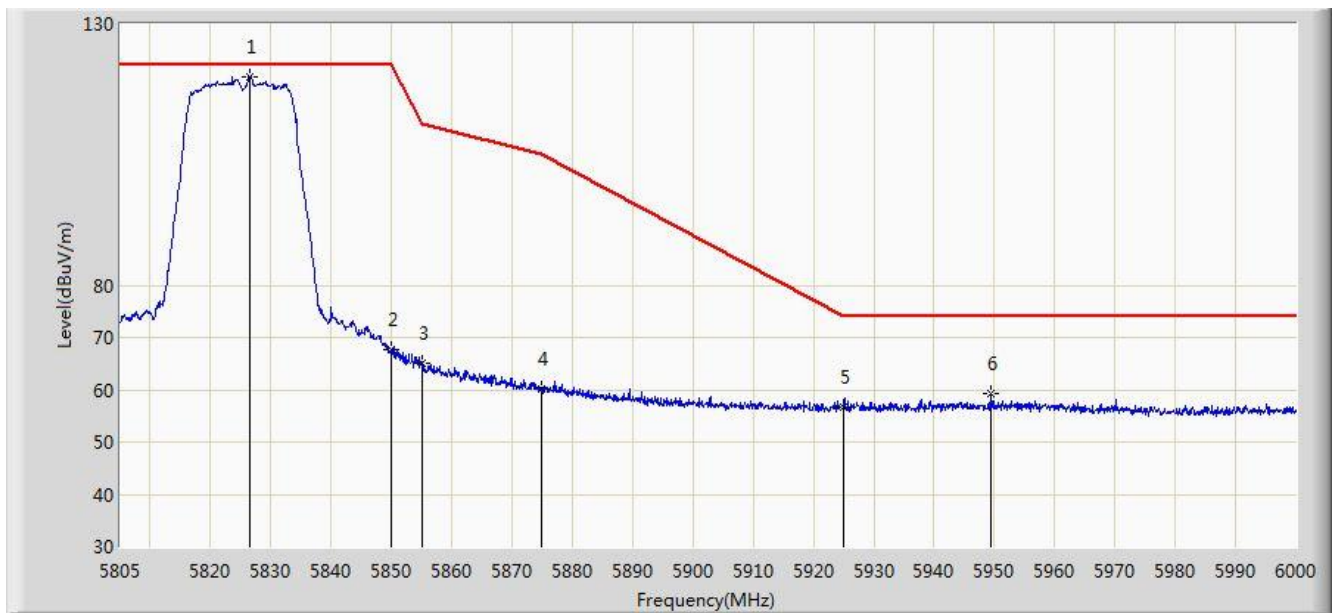
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.547	119.978	114.381	N/A	N/A	5.596	PK
2			5850.000	67.634	61.908	-54.566	122.200	5.726	PK
3			5855.000	65.077	59.331	-45.723	110.800	5.746	PK
4			5875.000	60.220	54.400	-44.980	105.200	5.820	PK
5			5925.000	56.744	50.778	-17.256	74.000	5.967	PK
6			5949.300	59.323	53.298	-14.677	74.000	6.025	PK

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

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

| Site: AC1	Time: 2016/11/08 - 15:22
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	
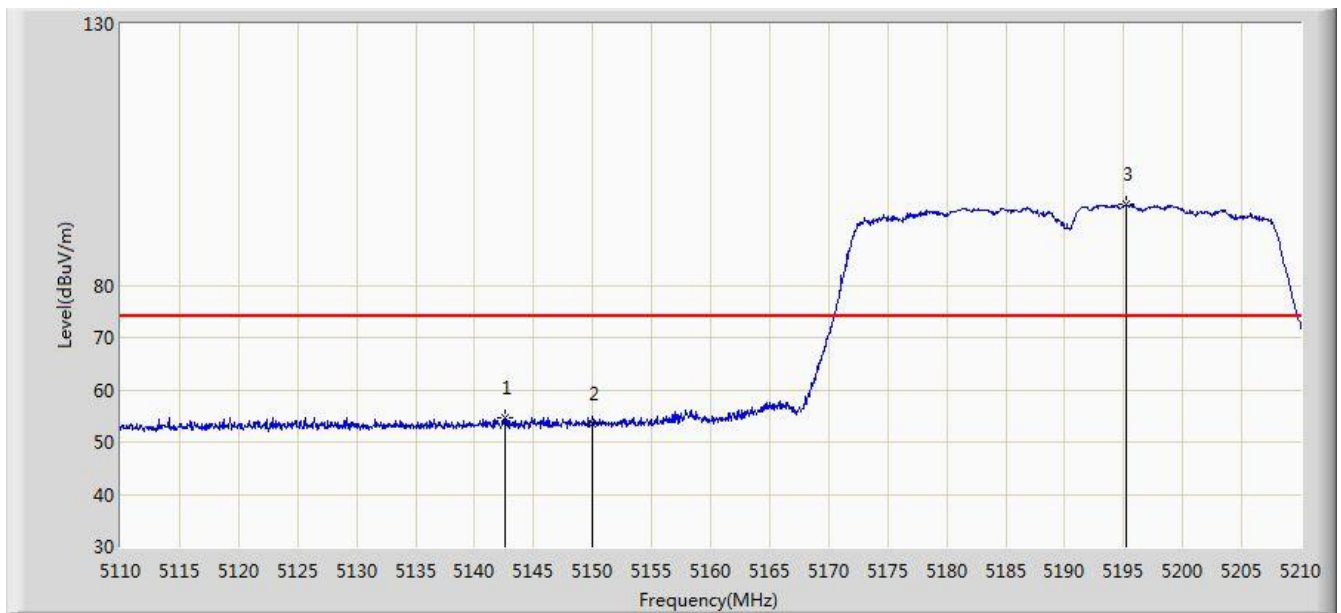
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.550	54.698	50.522	-19.302	74.000	4.175	PK
2			5150.000	53.530	49.361	-20.470	74.000	4.170	PK
3			5195.200	95.419	91.404	N/A	N/A	4.015	PK

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

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

| Site: AC1	Time: 2016/11/08 - 15:27
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 3	
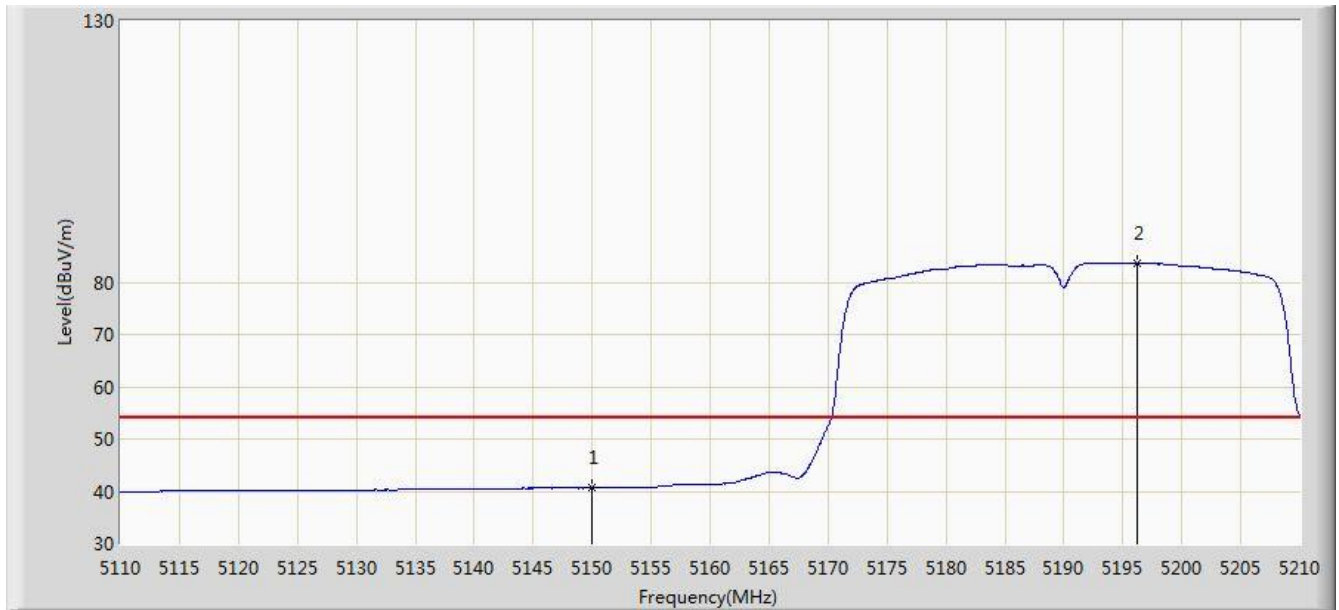
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	40.634	36.465	-13.366	54.000	4.170	AV
2			5196.200	83.733	79.722	N/A	N/A	4.012	AV

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

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

| Site: AC1	Time: 2016/11/08 - 15:17
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	
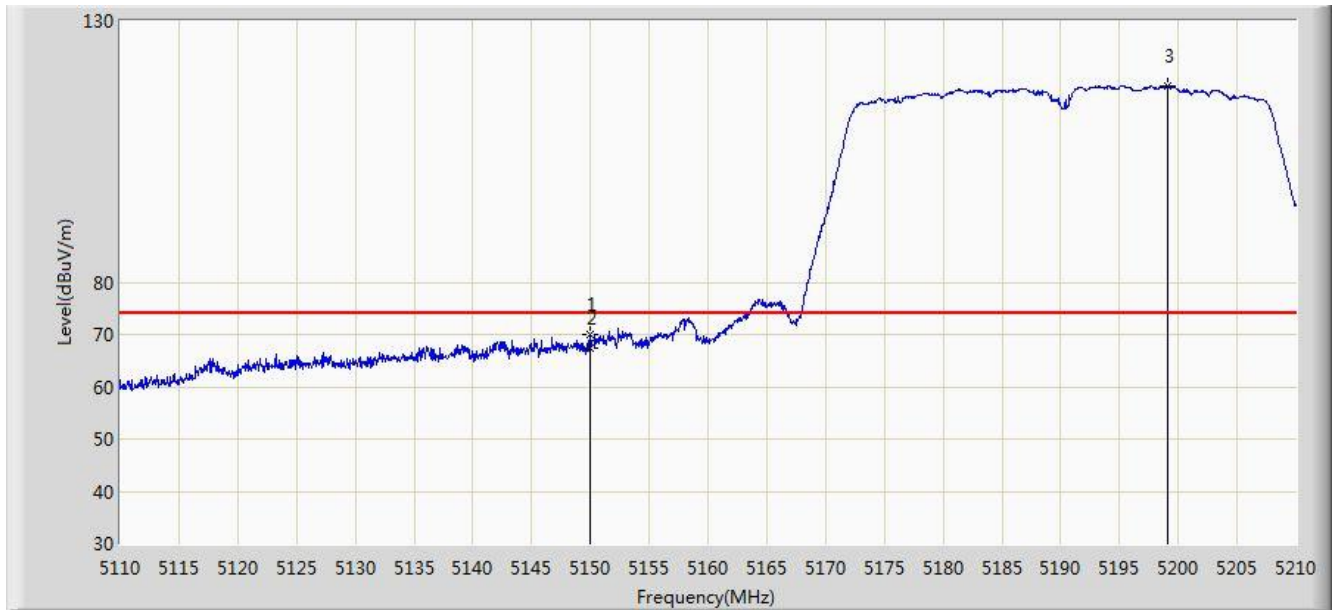
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.950	69.900	65.731	-4.100	74.000	4.170	PK
2			5150.000	67.370	63.201	-6.630	74.000	4.170	PK
3			5199.050	117.542	113.541	N/A	N/A	4.002	PK

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

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

| Site: AC1	Time: 2016/11/08 - 15:20
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	
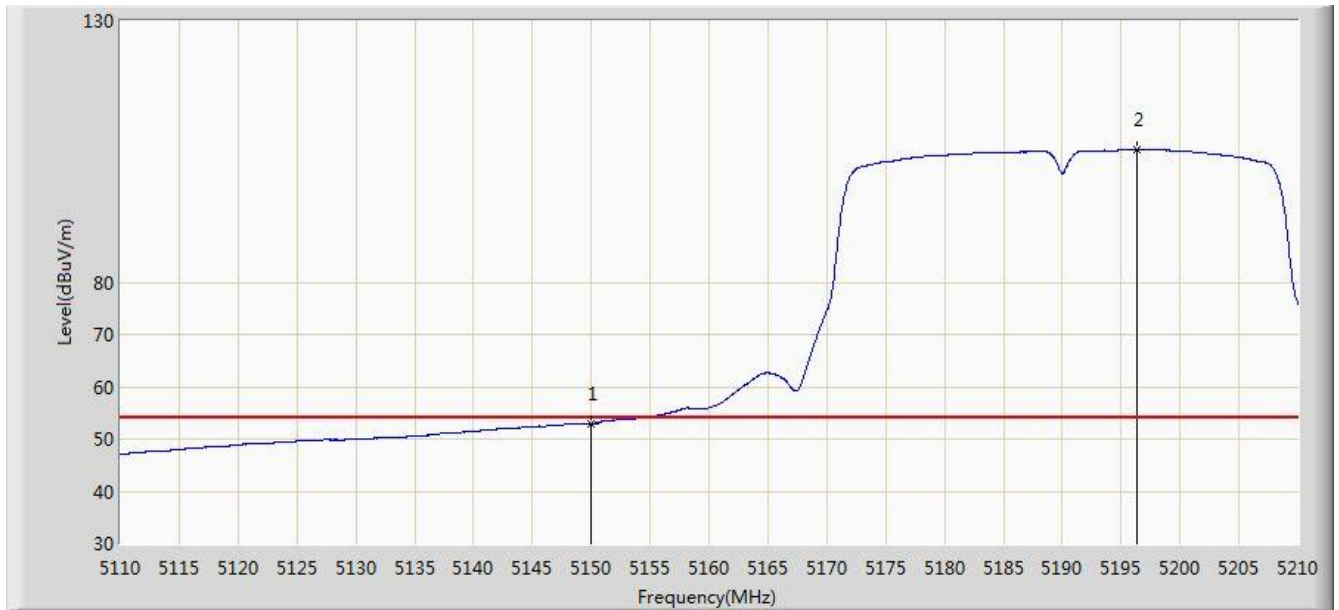
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.953	48.784	-1.047	54.000	4.170	AV
2			5196.300	105.329	101.318	N/A	N/A	4.011	AV

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

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

| Site: AC1	Time: 2016/11/08 - 16:36
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 3	
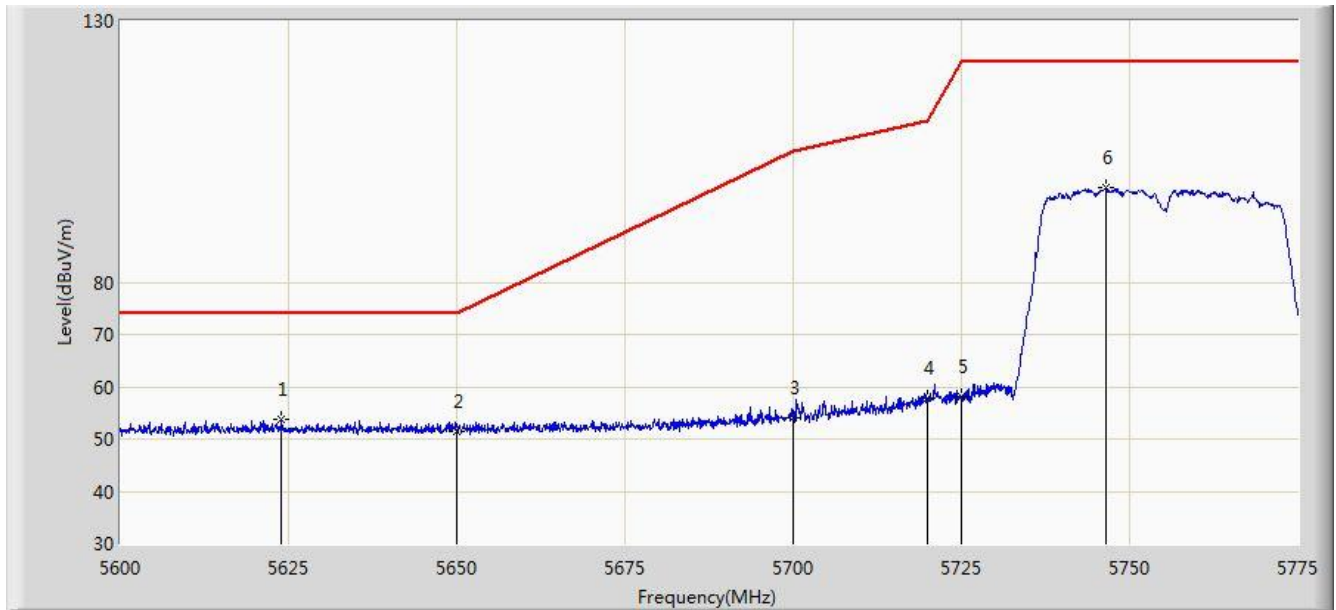
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5623.975	53.838	49.246	-20.162	74.000	4.592	PK
2			5650.000	51.420	46.749	-22.580	74.000	4.671	PK
3			5700.000	53.965	49.087	-51.235	105.200	4.878	PK
4			5720.000	57.719	52.722	-53.081	110.800	4.997	PK
5			5725.000	58.036	53.007	-64.164	122.200	5.029	PK
6			5746.388	98.050	92.887	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: 2016/11/08 - 16:38
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 802.11ac-VHT40 at Channel 5755MHz Ant 3	
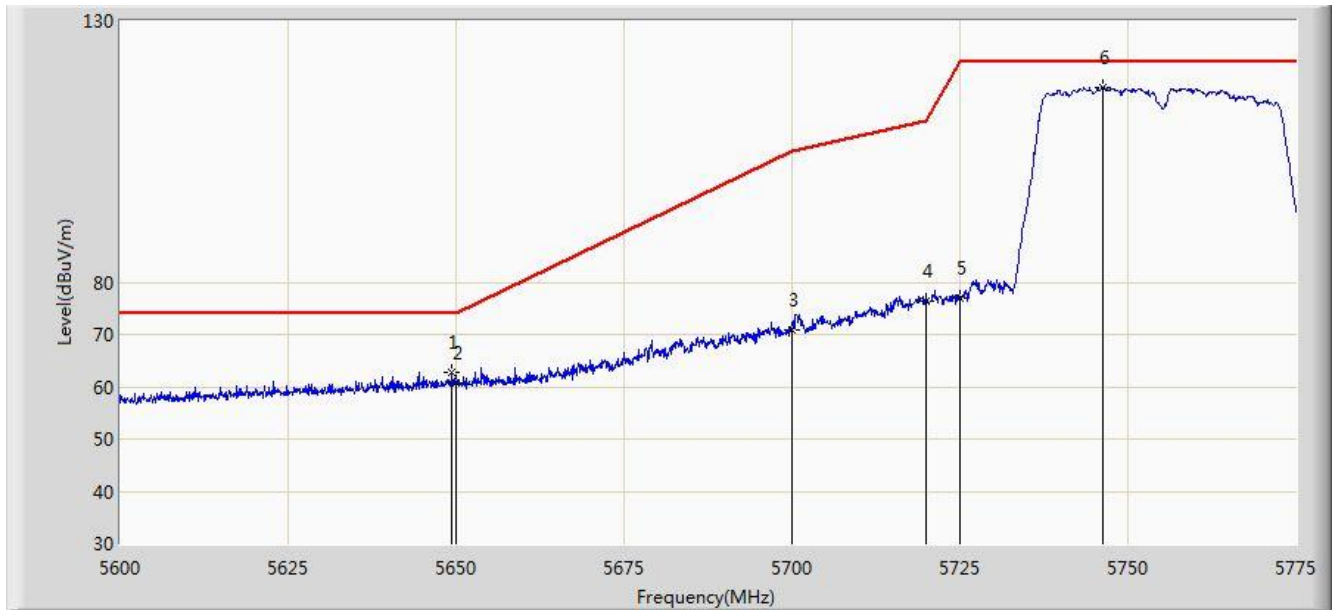
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5649.350	62.719	58.050	-11.281	74.000	4.669	PK
2			5650.000	60.599	55.928	-13.401	74.000	4.671	PK
3			5700.000	70.846	65.968	-34.354	105.200	4.878	PK
4			5720.000	76.484	71.487	-34.316	110.800	4.997	PK
5			5725.000	77.085	72.056	-45.115	122.200	5.029	PK
6			5746.300	117.315	112.153	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: 2016/11/08 - 16:40
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	
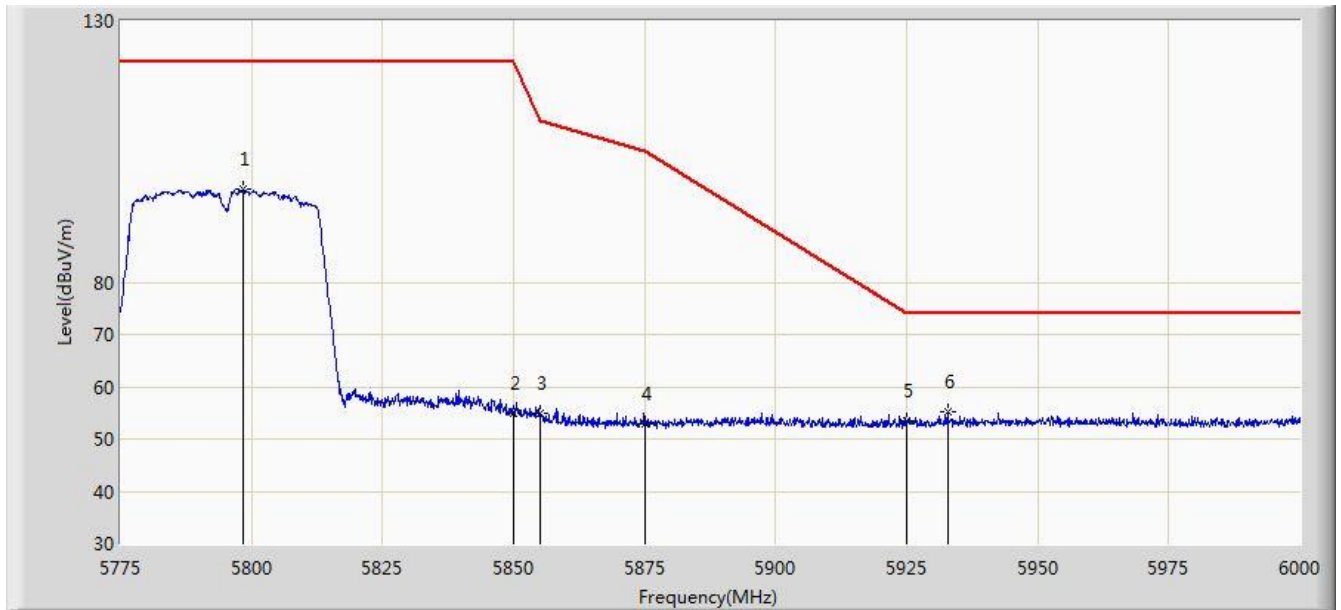
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5798.288	97.690	92.254	N/A	N/A	5.436	PK
2			5850.000	55.015	49.289	-67.185	122.200	5.726	PK
3			5855.000	54.961	49.215	-55.839	110.800	5.746	PK
4			5875.000	53.012	47.192	-52.188	105.200	5.820	PK
5			5925.000	53.390	47.424	-20.610	74.000	5.967	PK
6			5932.837	55.147	49.161	-18.853	74.000	5.987	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: 2016/11/08 - 16:43
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 3	
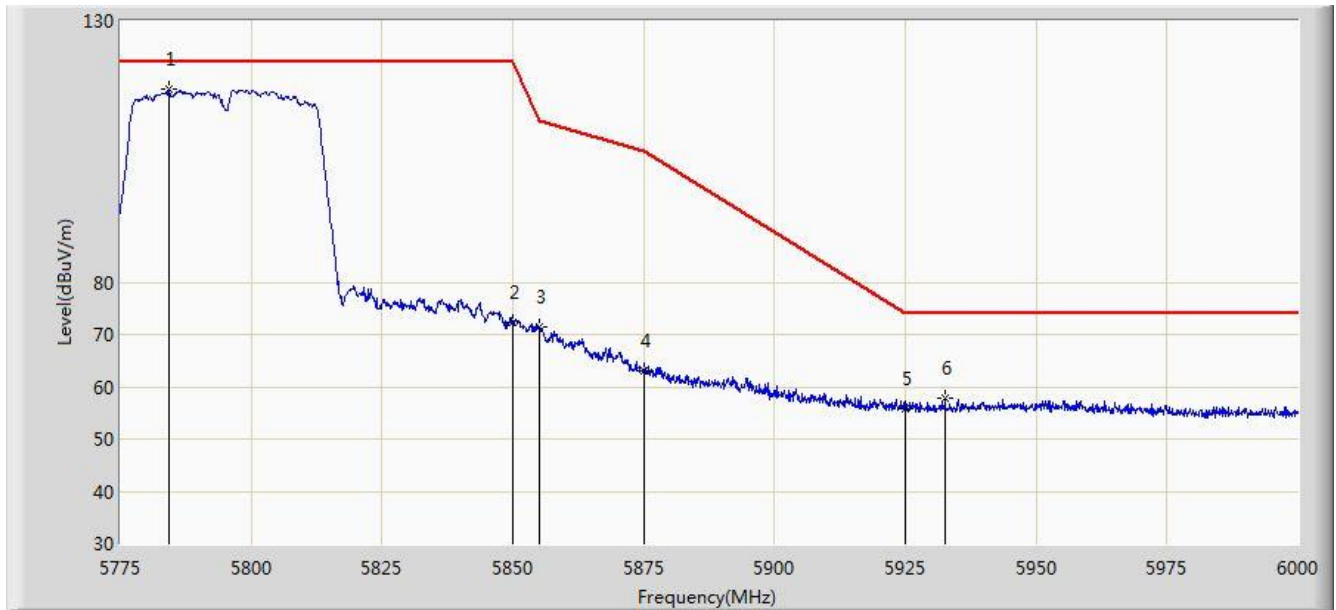
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5784.225	116.851	111.488	N/A	N/A	5.363	PK
2			5850.000	72.220	66.494	-49.980	122.200	5.726	PK
3			5855.000	71.402	65.656	-39.398	110.800	5.746	PK
4			5875.000	63.158	57.338	-42.042	105.200	5.820	PK
5			5925.000	55.854	49.888	-18.146	74.000	5.967	PK
6			5932.612	57.754	51.769	-16.246	74.000	5.985	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: 2016/11/08 - 16:52
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	
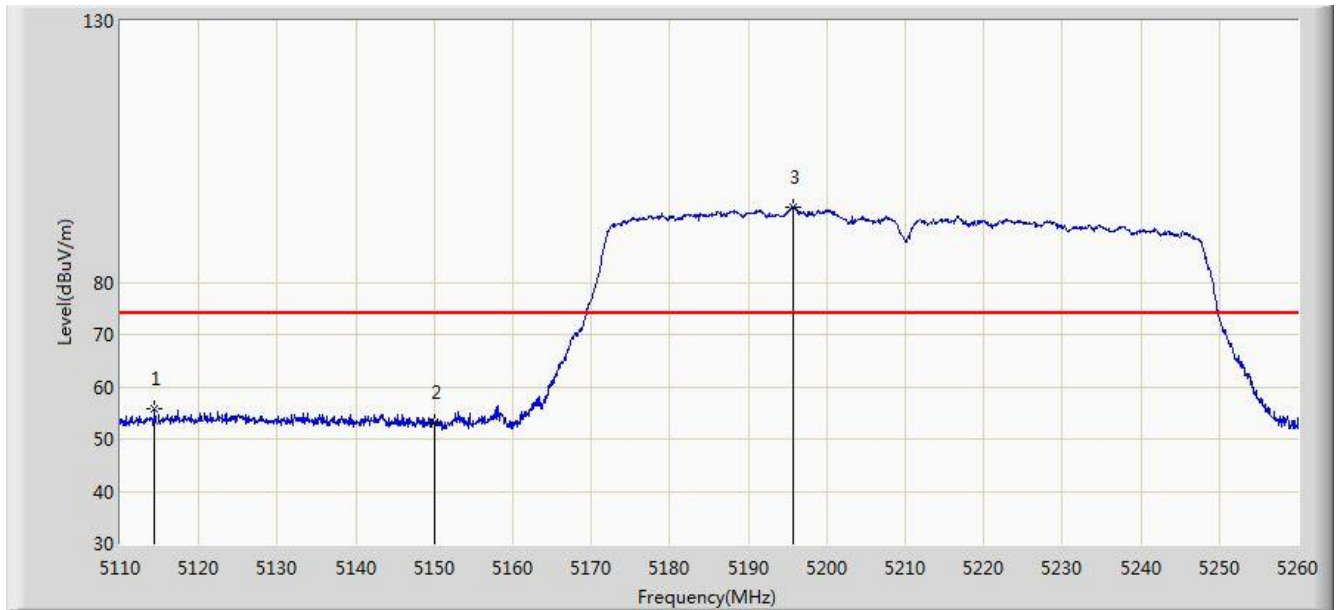
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5114.350	55.655	51.480	-18.345	74.000	4.175	PK
2			5150.000	53.170	49.001	-20.830	74.000	4.170	PK
3			5195.725	94.451	90.438	N/A	N/A	4.013	PK

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: 2016/11/08 - 16:55
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	
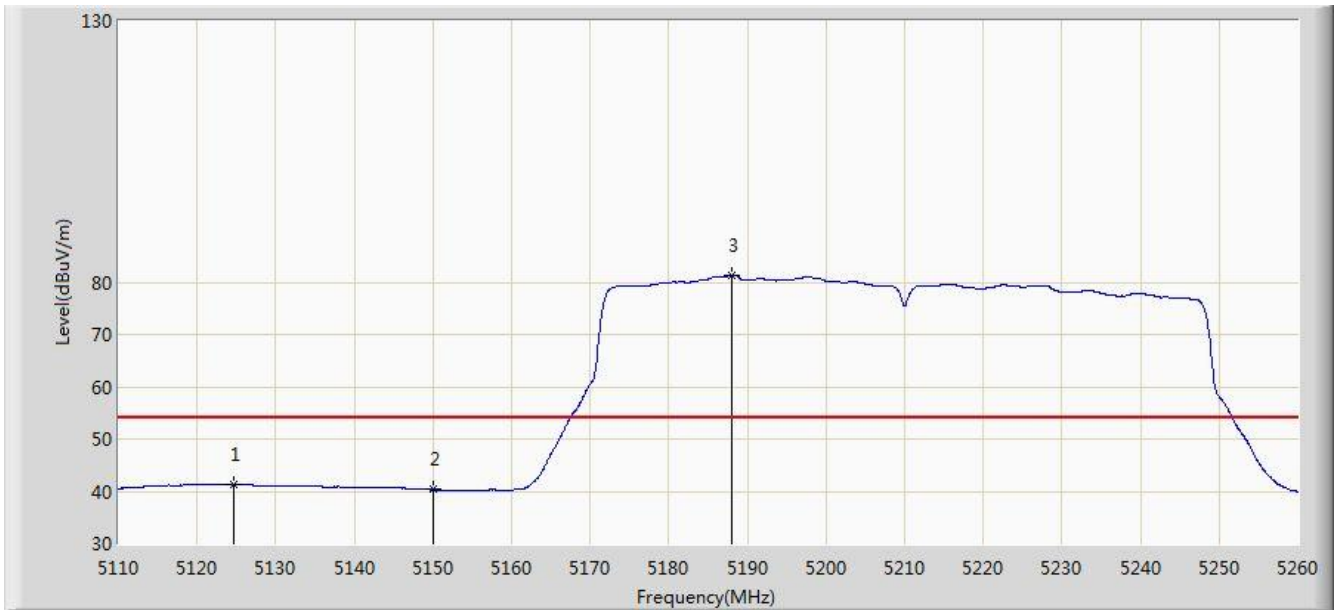
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5124.625	41.369	37.194	-12.631	54.000	4.175	AV
2			5150.000	40.303	36.134	-13.697	54.000	4.170	AV
3			5188.075	81.383	77.343	N/A	N/A	4.040	AV

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

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

Site: AC1	Time: 2016/11/08 - 16:51
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 802.11ac-VHT80 at Channel 5210MHz Ant 3	
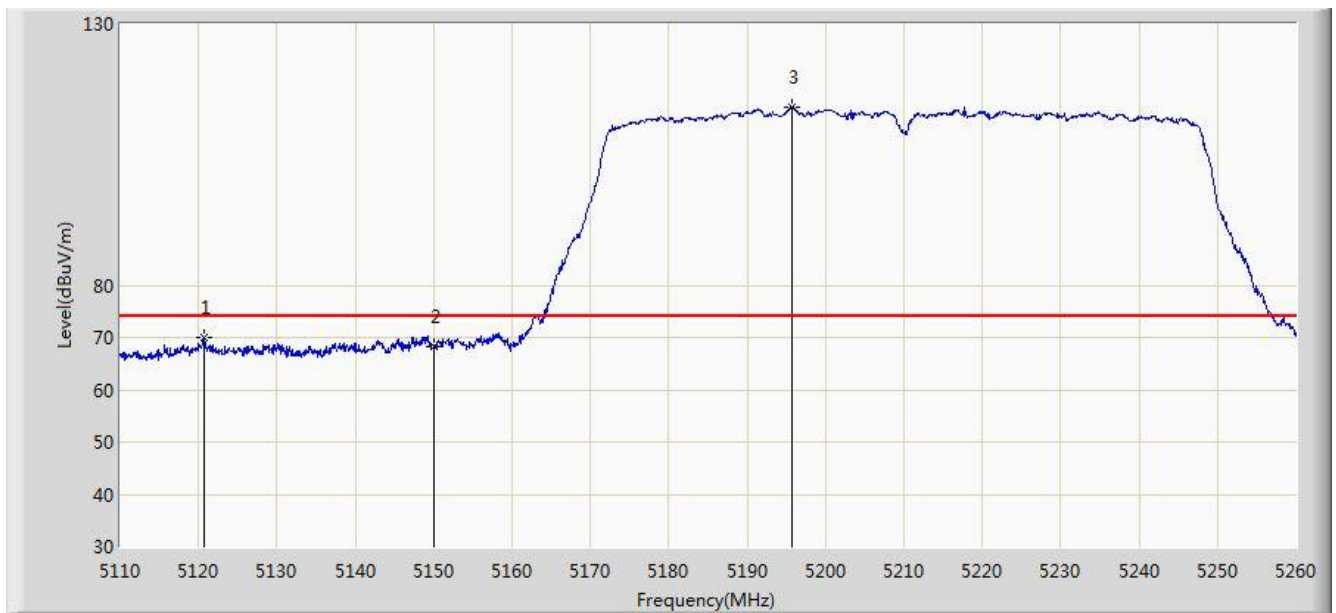
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5120.650	69.947	65.772	-4.053	74.000	4.175	PK
2			5150.000	68.379	64.210	-5.621	74.000	4.170	PK
3			5195.800	114.035	110.022	N/A	N/A	4.013	PK

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

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

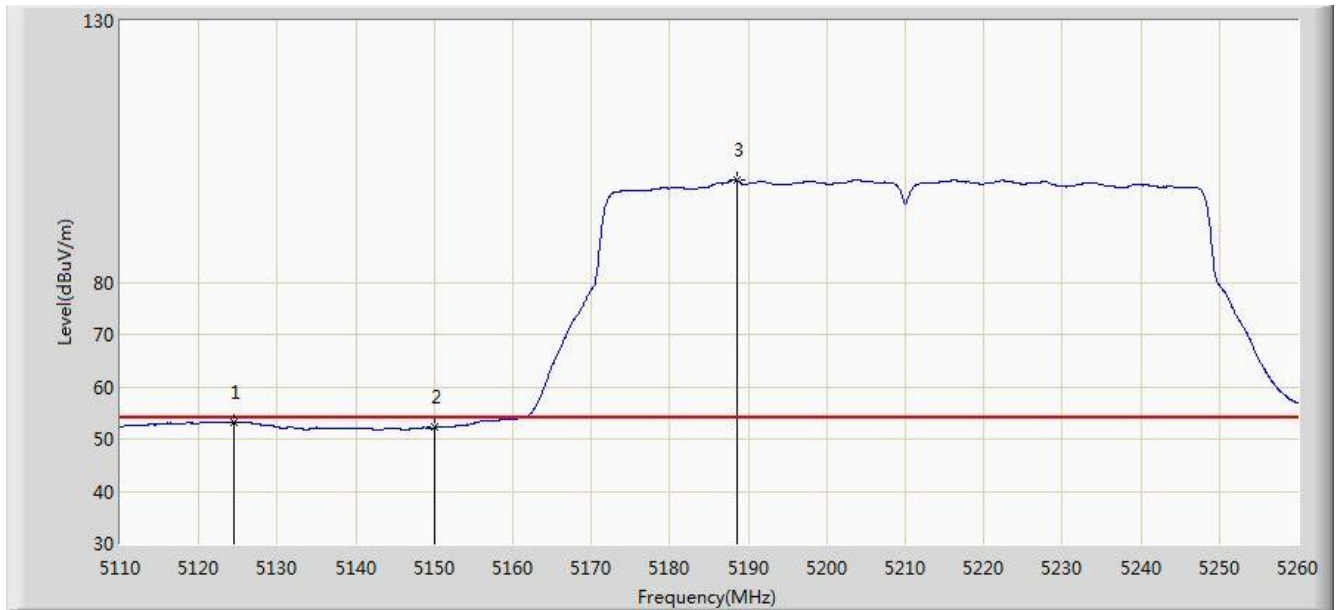|	
Site: AC1	Time: 2016/11/08 - 16:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 3	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5124.550	53.239	49.064	-0.761	54.000	4.174	AV
2			5150.000	52.214	48.045	-1.786	54.000	4.170	AV
3			5188.525	99.432	95.393	N/A	N/A	4.039	AV

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

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

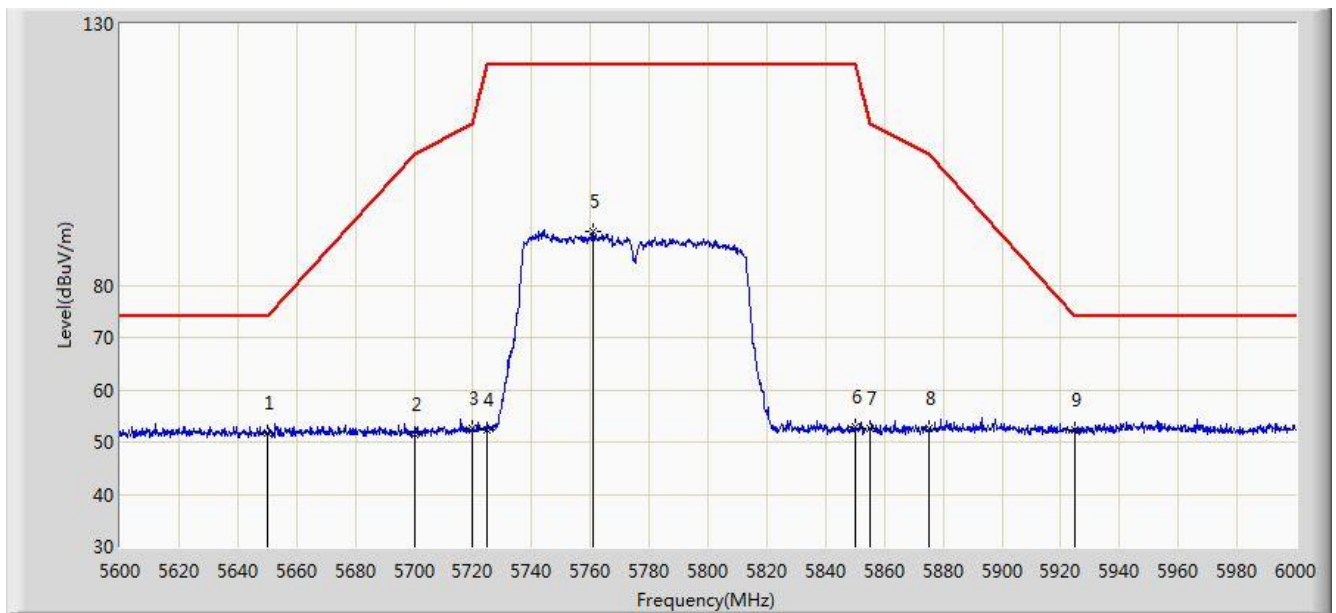| Site: AC1	Time: 2016/11/08 - 18:29
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 3	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	51.677	47.006	-22.323	74.000	4.671	PK
2			5700.000	51.481	46.603	-53.719	105.200	4.878	PK
3			5720.000	52.611	47.614	-58.189	110.800	4.997	PK
4			5725.000	52.349	47.320	-69.851	122.200	5.029	PK
5			5760.800	90.423	85.179	N/A	N/A	5.244	PK
6			5850.000	52.999	47.273	-69.201	122.200	5.726	PK
7			5855.000	52.640	46.894	-58.160	110.800	5.746	PK
8			5875.000	52.628	46.808	-52.572	105.200	5.820	PK
9			5925.000	52.228	46.262	-21.772	74.000	5.967	PK

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

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

| Site: AC1	Time: 2016/11/08 - 18:27
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 3	
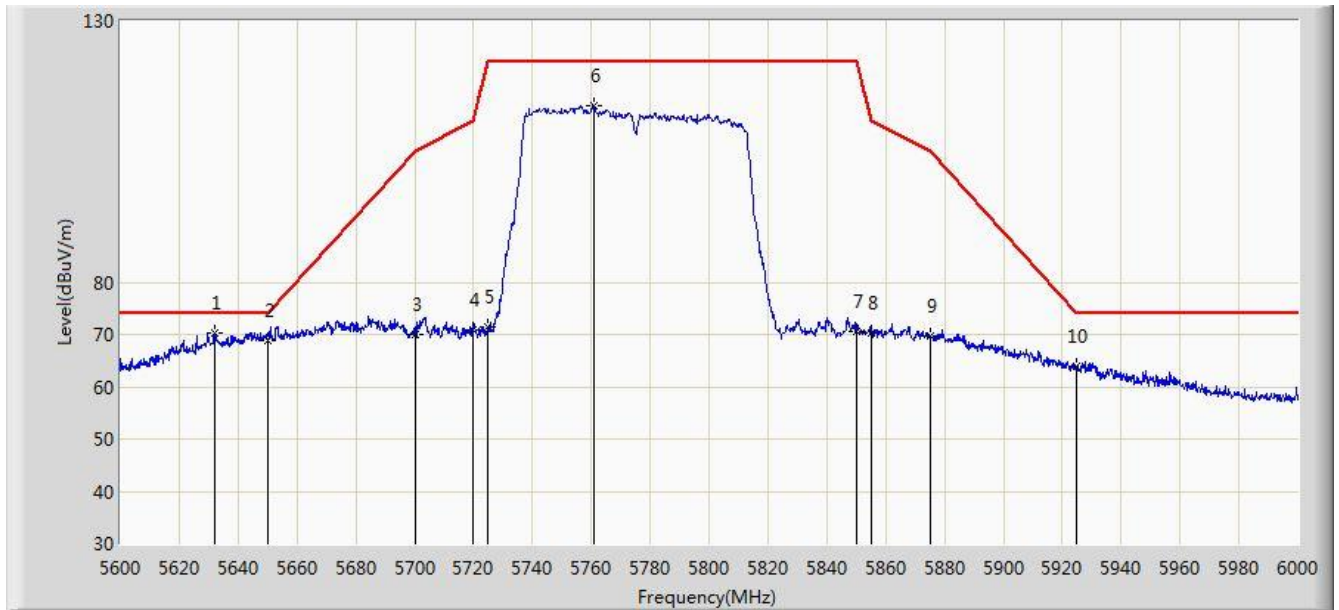
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5632.000	70.246	65.631	-3.754	74.000	4.615	PK
2			5650.000	68.966	64.295	-5.034	74.000	4.671	PK
3			5700.000	70.044	65.166	-35.156	105.200	4.878	PK
4			5720.000	70.988	65.991	-39.812	110.800	4.997	PK
5			5725.000	71.429	66.400	-50.771	122.200	5.029	PK
6			5760.800	113.786	108.542	N/A	N/A	5.244	PK
7			5850.000	70.563	64.837	-51.637	122.200	5.726	PK
8			5855.000	70.340	64.594	-40.460	110.800	5.746	PK
9			5875.000	69.730	63.910	-35.470	105.200	5.820	PK
10			5925.000	63.851	57.885	-10.149	74.000	5.967	PK

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

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

Site: AC1	Time: 2016/11/08 - 19:11
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 802.11a at Channel 5180MHz Ant 0+1+2+3	
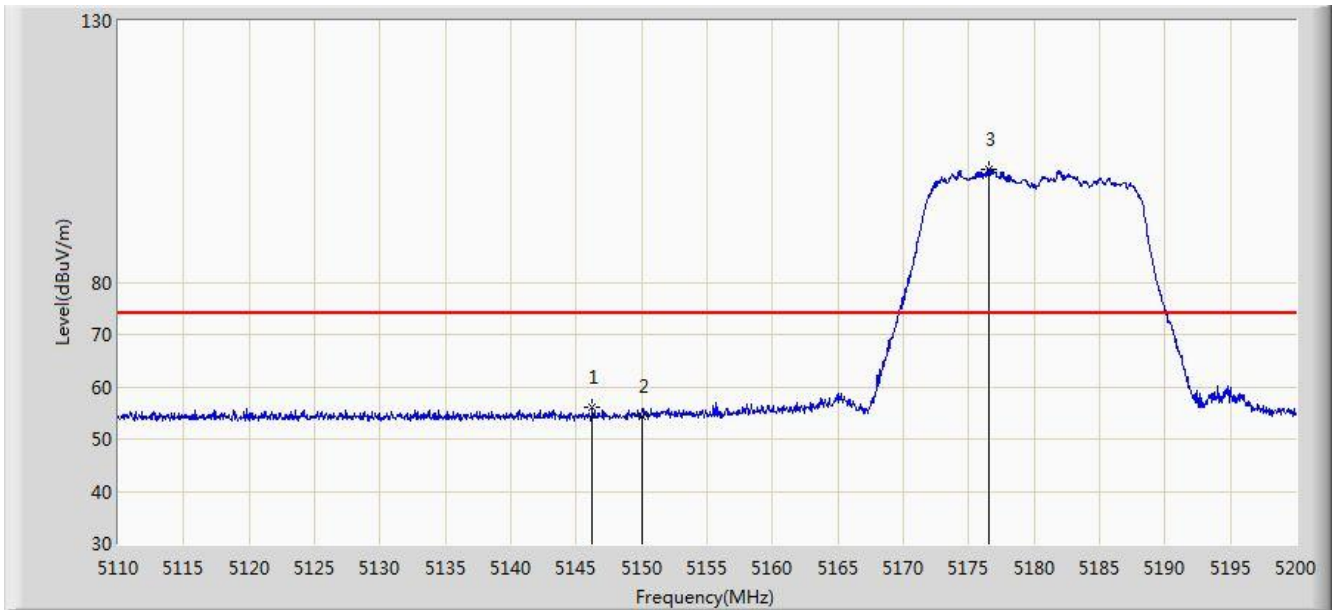
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.225	56.192	52.016	-17.808	74.000	4.176	PK
2			5150.000	54.416	50.247	-19.584	74.000	4.170	PK
3			5176.555	101.614	97.533	N/A	N/A	4.081	PK

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: 2016/11/08 - 19:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a 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			5150.000	43.262	39.093	-10.738	54.000	4.170	AV
2			5182.180	91.560	87.499	N/A	N/A	4.060	AV

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

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

| Site: AC1	Time: 2016/11/08 - 19:03
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 802.11a at Channel 5180MHz Ant 0+1+2+3	
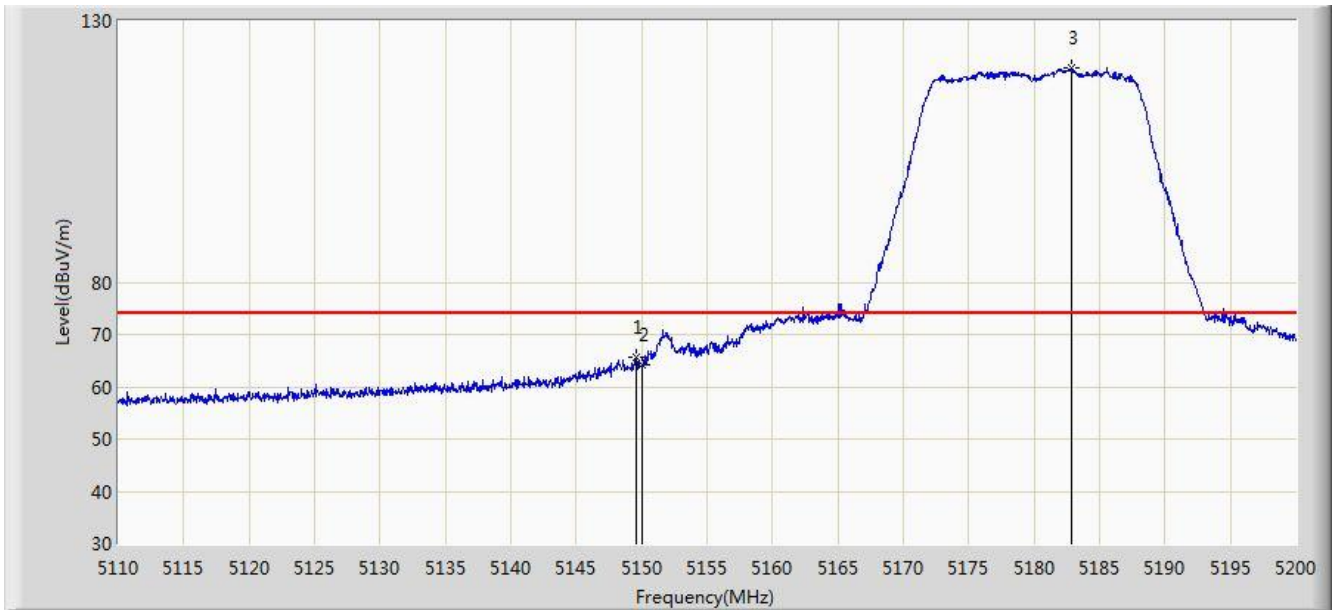
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.600	65.602	61.431	-8.398	74.000	4.170	PK
2			5150.000	64.146	59.977	-9.854	74.000	4.170	PK
3			5182.810	121.097	117.038	N/A	N/A	4.059	PK

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: 2016/11/08 - 19:01
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 802.11a at Channel 5180MHz Ant 0+1+2+3	
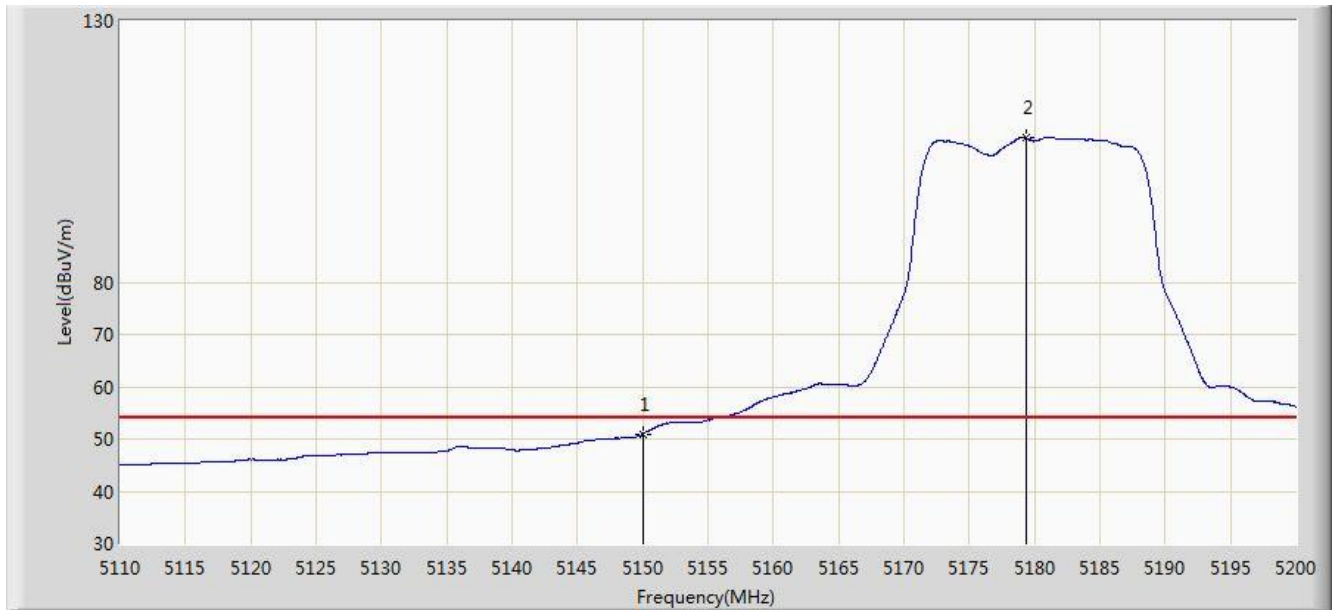
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.948	46.779	-3.052	54.000	4.170	AV
2			5179.390	107.560	103.489	N/A	N/A	4.071	AV

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

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

| Site: AC1	Time: 2016/11/08 - 20:22
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 802.11a at Channel 5745MHz Ant 0+1+2+3	
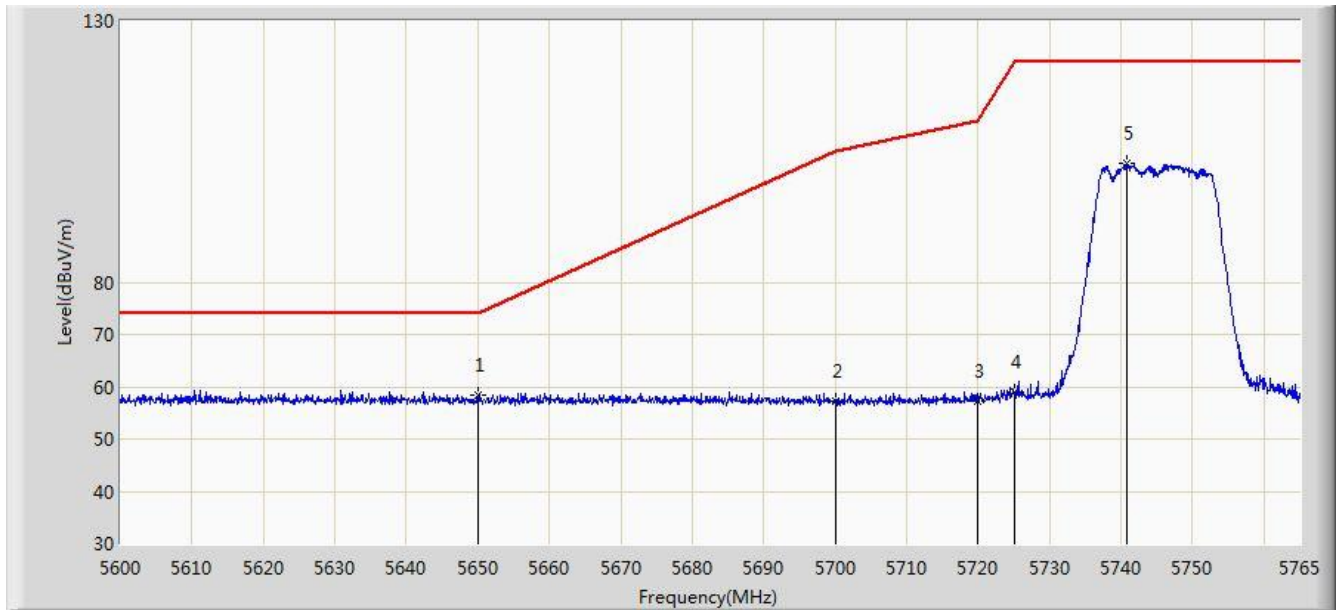
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	58.318	53.647	-15.682	74.000	4.671	PK
2			5700.000	57.365	52.487	-47.835	105.200	4.878	PK
3			5720.000	57.166	52.169	-53.634	110.800	4.997	PK
4			5725.000	58.995	53.966	-63.205	122.200	5.029	PK
5			5740.910	102.670	97.540	N/A	N/A	5.130	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: 2016/11/08 - 20:20
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 802.11a at Channel 5745MHz Ant 0+1+2+3	
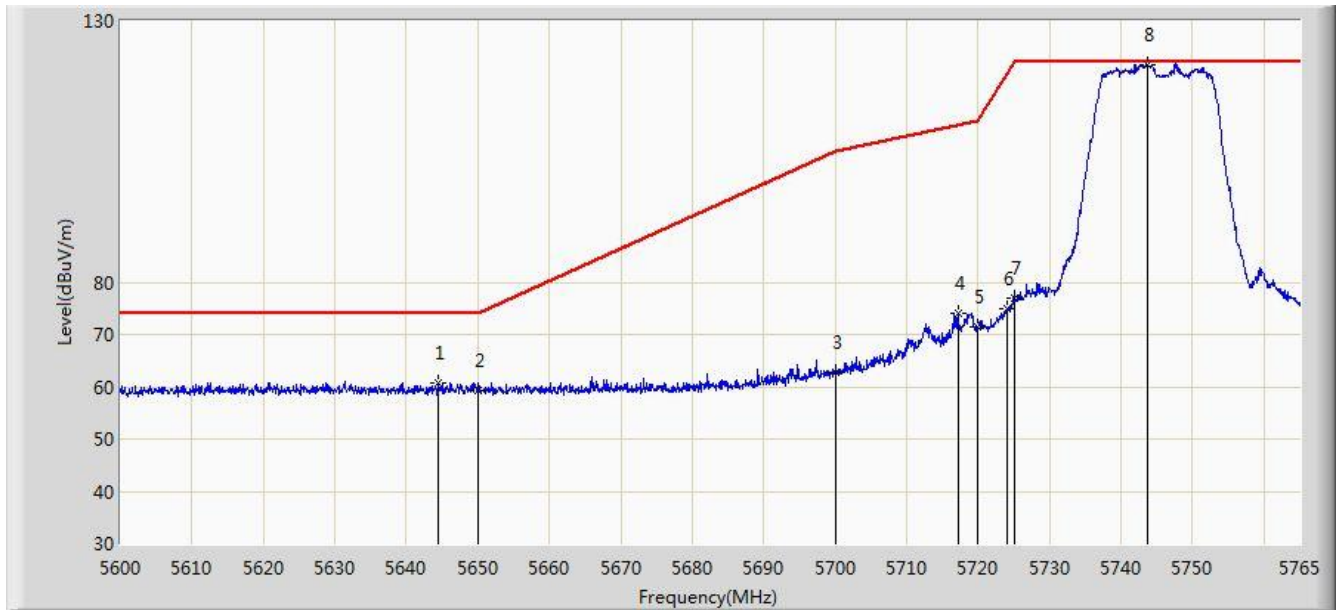
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.467	60.759	56.106	-13.241	74.000	4.652	PK
2			5650.000	59.145	54.474	-14.855	74.000	4.671	PK
3			5700.000	62.794	57.916	-42.406	105.200	4.878	PK
4			5717.150	74.051	69.072	-35.953	110.003	4.978	PK
5			5720.000	71.521	66.524	-39.279	110.800	4.997	PK
6			5724.080	74.837	69.814	-45.266	120.103	5.023	PK
7			5725.000	76.987	71.958	-45.213	122.200	5.029	PK
8			5743.632	121.558	116.411	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: 2016/11/08 - 20:25
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0+1+2+3	
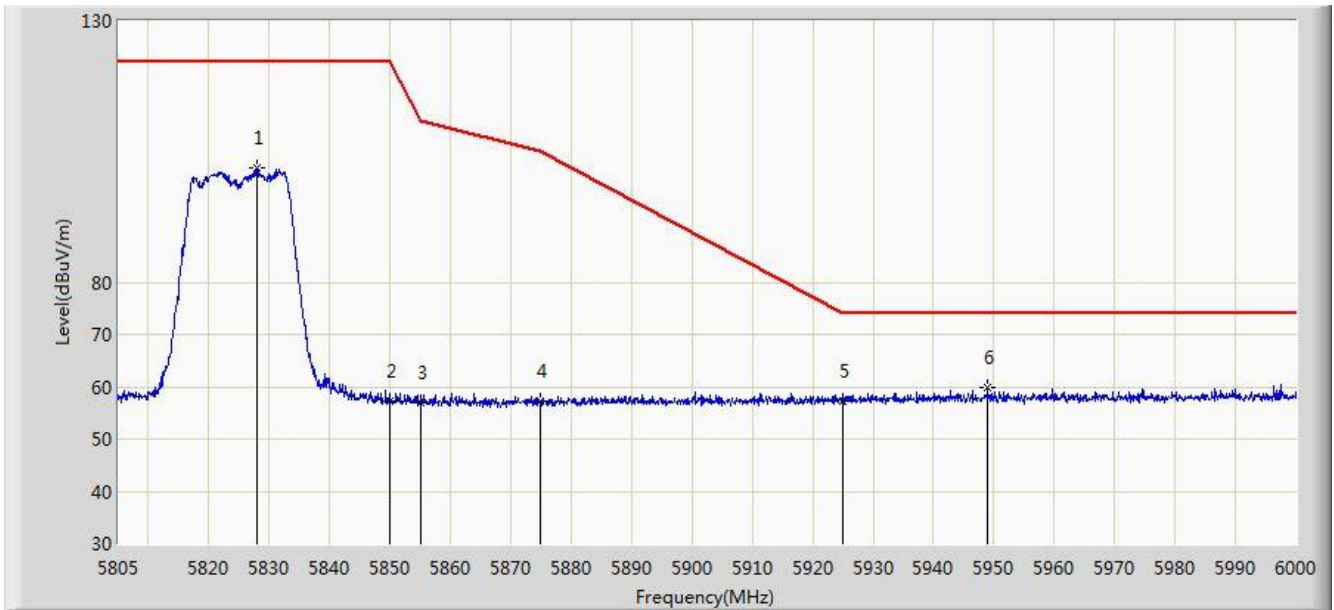
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5827.913	101.789	96.184	N/A	N/A	5.606	PK
2			5850.000	57.132	51.406	-65.068	122.200	5.726	PK
3			5855.000	56.980	51.234	-53.820	110.800	5.746	PK
4			5875.000	57.152	51.332	-48.048	105.200	5.820	PK
5			5925.000	57.302	51.336	-16.698	74.000	5.967	PK
6			5948.910	59.833	53.809	-14.167	74.000	6.023	PK

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

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

| Site: AC1	Time: 2016/11/08 - 20:23
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 802.11a at Channel 5825MHz Ant 0+1+2+3	
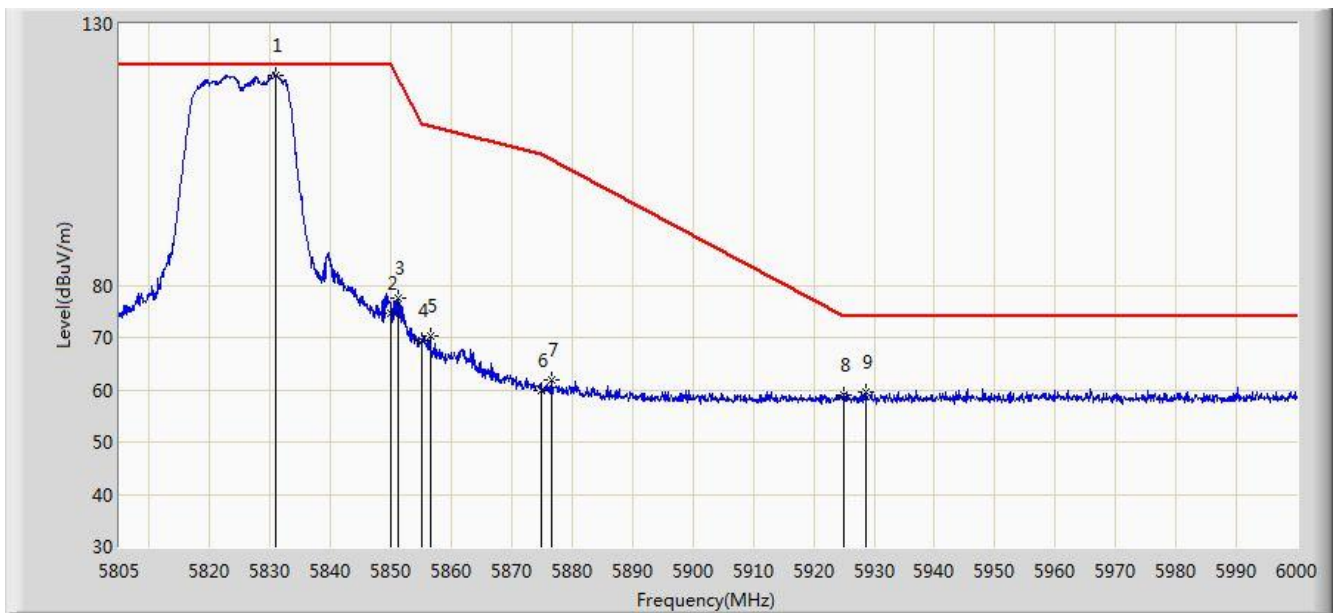
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5831.000	120.104	114.481	N/A	N/A	5.623	PK
2			5850.000	74.666	68.940	-47.534	122.200	5.726	PK
3			5851.118	77.549	71.819	-42.101	119.650	5.730	PK
4			5855.000	69.369	63.623	-41.431	110.800	5.746	PK
5			5856.480	70.207	64.455	-40.178	110.385	5.752	PK
6			5875.000	59.767	53.947	-45.433	105.200	5.820	PK
7			5876.663	61.979	56.153	-42.179	104.158	5.826	PK
8			5925.000	59.032	53.066	-14.968	74.000	5.967	PK
9			5928.533	59.700	53.725	-14.300	74.000	5.976	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: 2016/11/08 - 20:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0+1+2+3	
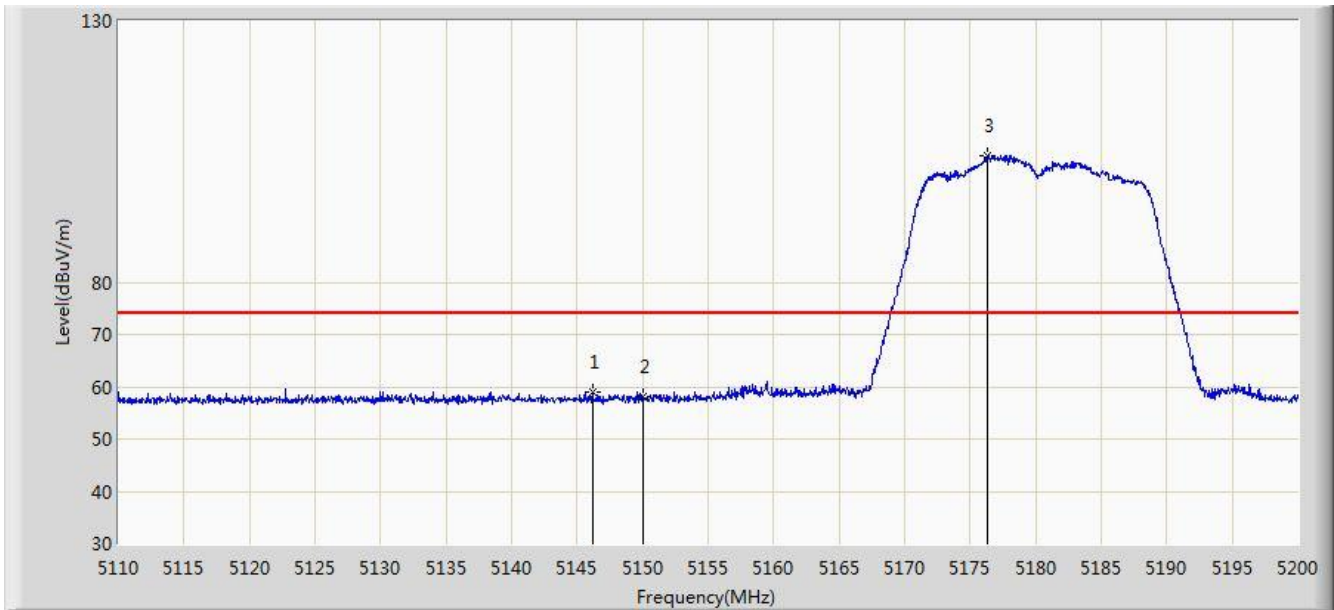
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.180	59.034	54.858	-14.966	74.000	4.175	PK
2			5150.000	58.192	54.023	-15.808	74.000	4.170	PK
3			5176.330	104.115	100.033	N/A	N/A	4.081	PK

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: 2016/11/08 - 20:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-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	44.808	40.639	-9.192	54.000	4.170	AV
2			5177.275	91.702	87.623	N/A	N/A	4.078	AV

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

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

| Site: AC1	Time: 2016/11/08 - 20:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0+1+2+3	
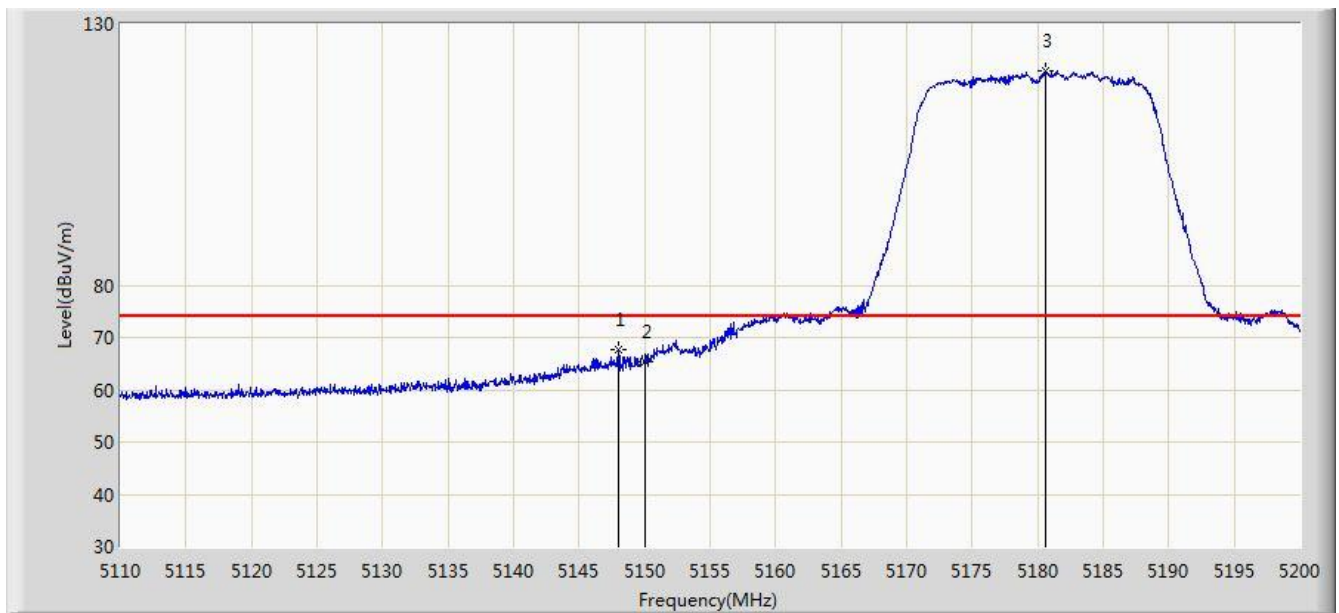
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.980	67.587	63.411	-6.413	74.000	4.176	PK
2			5150.000	65.271	61.102	-8.729	74.000	4.170	PK
3			5180.650	120.923	116.856	N/A	N/A	4.067	PK

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: 2016/11/08 - 20:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0+1+2+3	
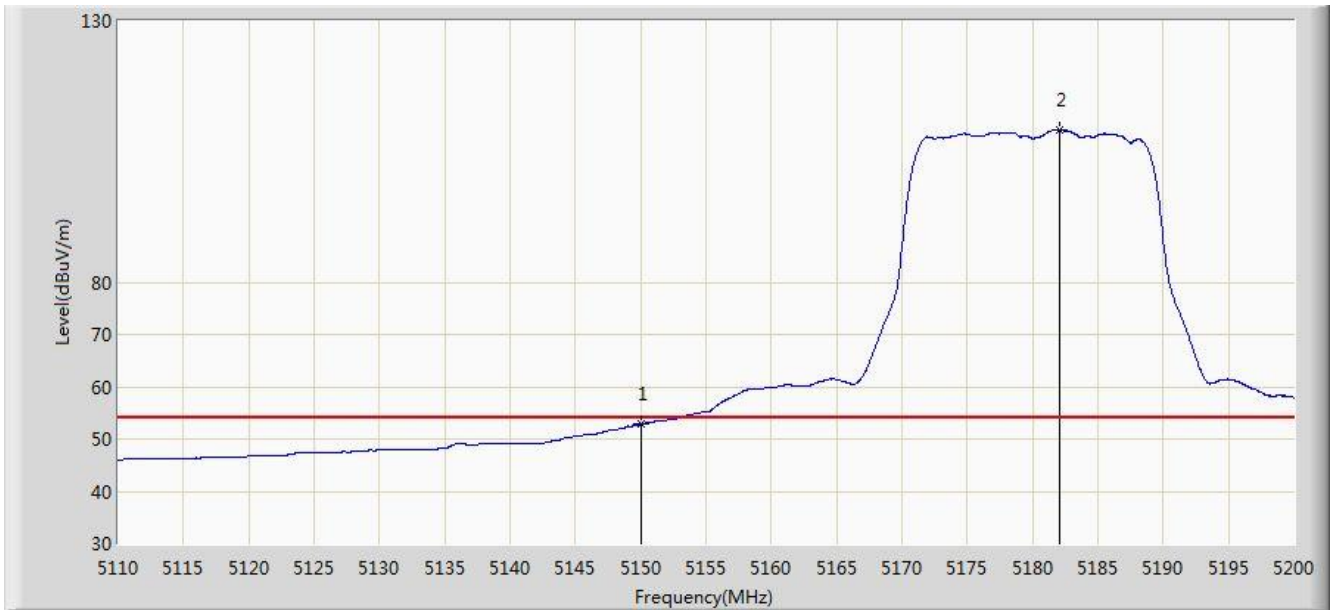
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.952	48.783	-1.048	54.000	4.170	AV
2			5182.045	109.192	105.130	N/A	N/A	4.061	AV

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

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

| Site: AC1	Time: 2016/11/08 - 21:41
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0+1+2+3	
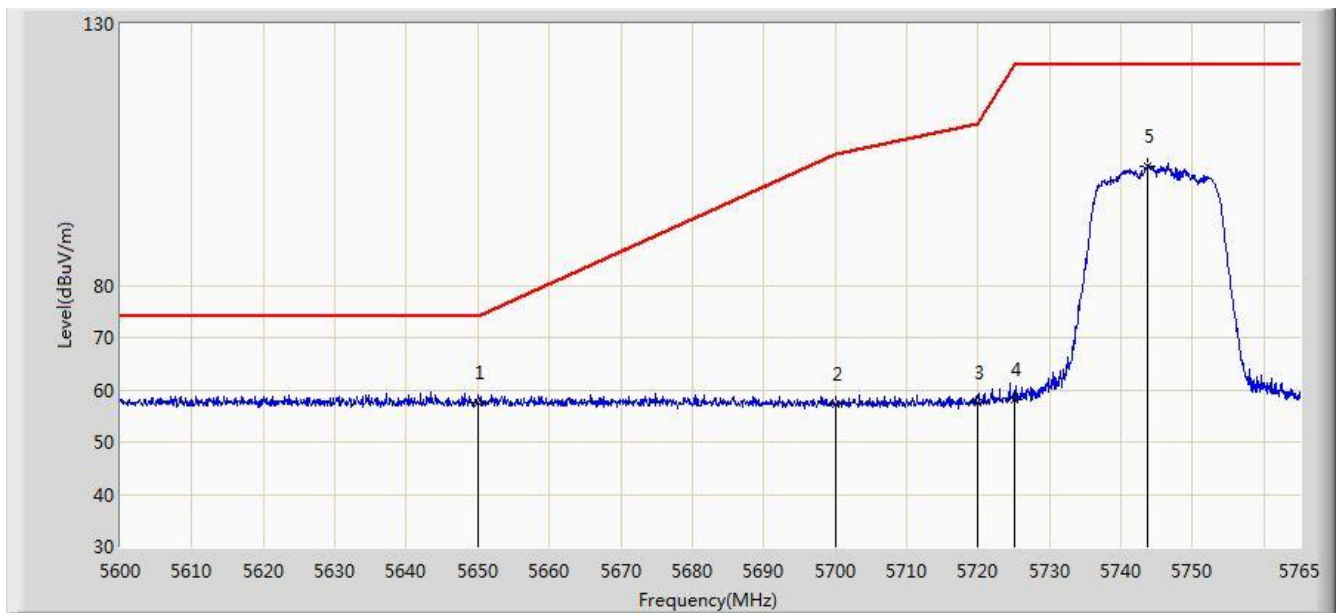
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	57.463	52.792	-16.537	74.000	4.671	PK
2			5700.000	57.209	52.331	-47.991	105.200	4.878	PK
3			5720.000	57.606	52.609	-53.194	110.800	4.997	PK
4			5725.000	58.016	52.987	-64.184	122.200	5.029	PK
5			5743.632	102.828	97.681	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: 2016/11/08 - 21:39
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0+1+2+3	
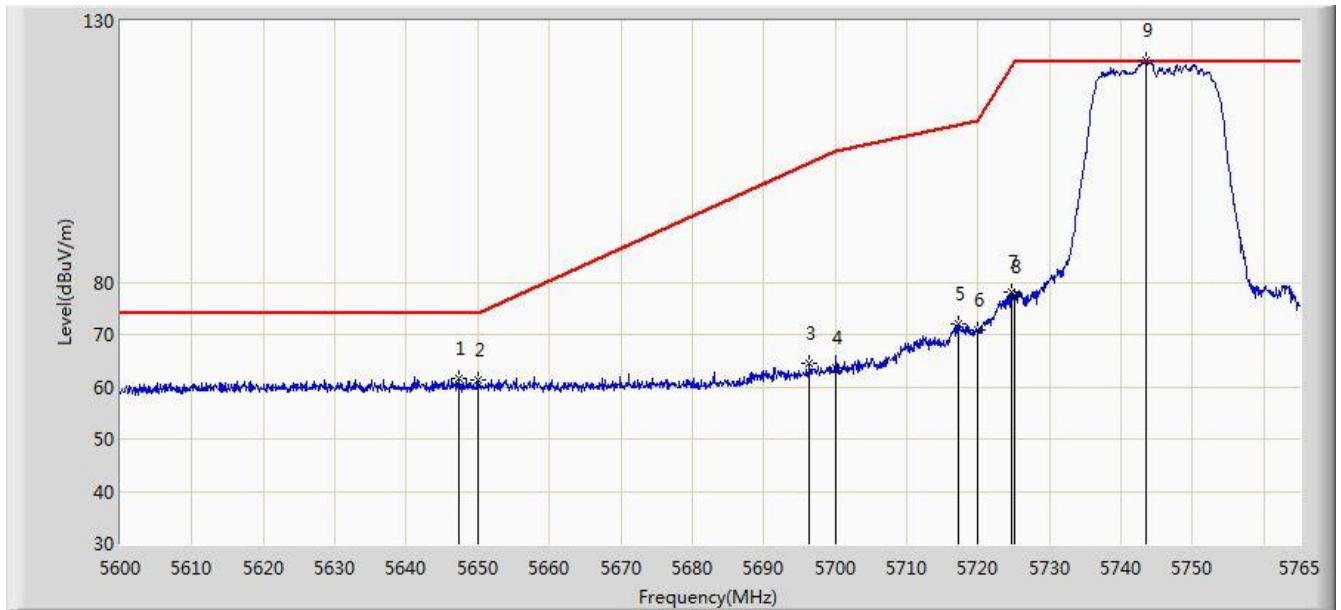
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.437	61.594	56.932	-12.406	74.000	4.662	PK
2			5650.000	61.223	56.552	-12.777	74.000	4.671	PK
3			5696.442	64.389	59.530	-38.600	102.989	4.859	PK
4			5700.000	63.697	58.819	-41.503	105.200	4.878	PK
5			5717.232	71.971	66.992	-38.055	110.026	4.978	PK
6			5720.000	70.904	65.907	-39.896	110.800	4.997	PK
7			5724.658	78.168	73.141	-43.253	121.421	5.027	PK
8			5725.000	77.257	72.228	-44.943	122.200	5.029	PK
9			5743.467	122.436	117.290	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: 2016/11/08 - 21:44
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 802.11n-HT20 at Channel 5825MHz Ant 0+1+2+3	
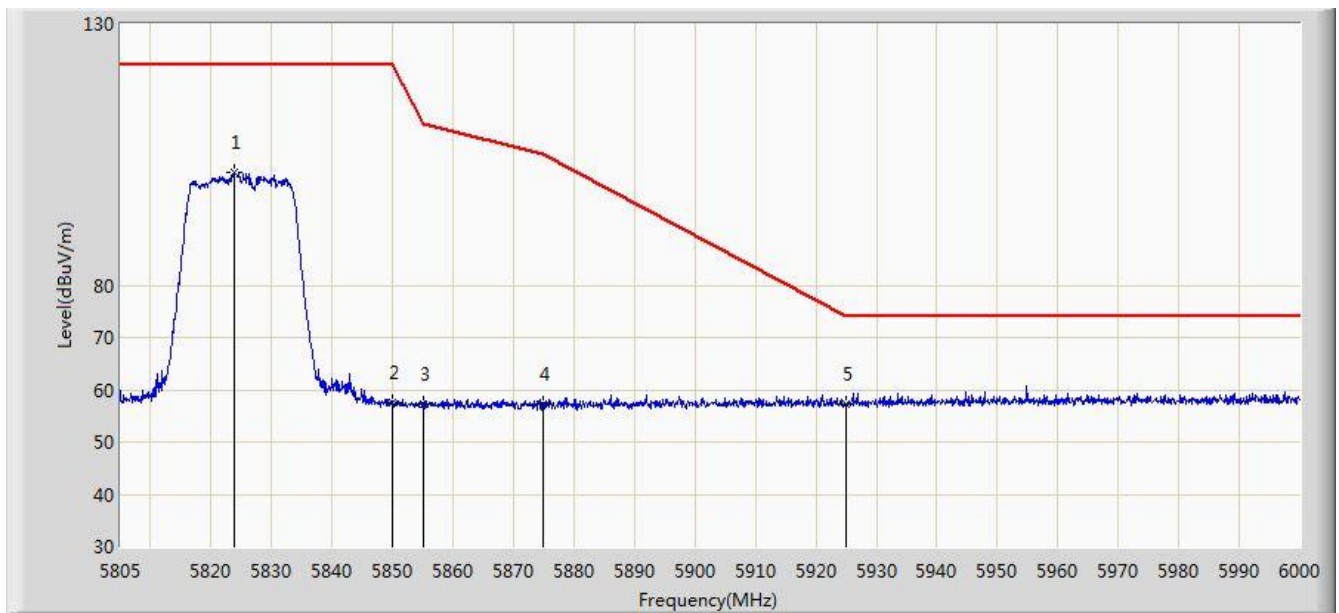
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5823.720	101.620	96.040	N/A	N/A	5.580	PK
2			5850.000	57.579	51.853	-64.621	122.200	5.726	PK
3			5855.000	57.347	51.601	-53.453	110.800	5.746	PK
4			5875.000	57.364	51.544	-47.836	105.200	5.820	PK
5			5925.000	57.254	51.288	-16.746	74.000	5.967	PK

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

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

| Site: AC1	Time: 2016/11/08 - 21:42
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0+1+2+3	
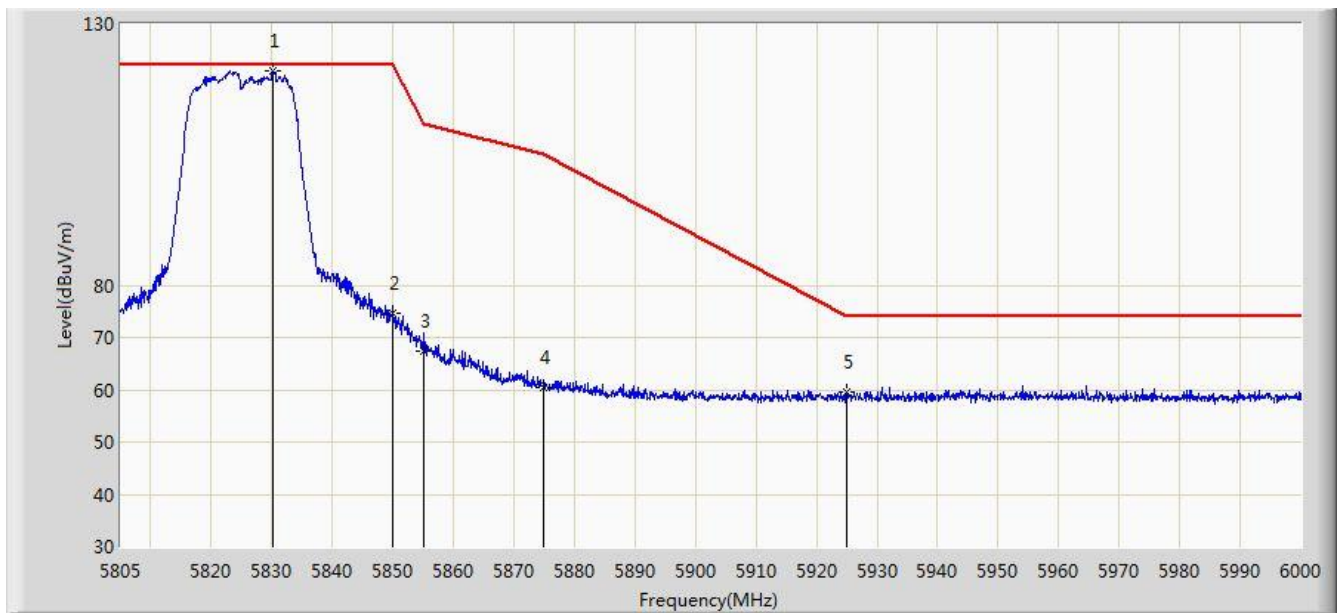
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5830.058	120.936	115.319	N/A	N/A	5.617	PK
2			5850.000	74.548	68.822	-47.652	122.200	5.726	PK
3			5855.000	67.310	61.564	-43.490	110.800	5.746	PK
4			5875.000	60.388	54.568	-44.812	105.200	5.820	PK
5			5925.000	59.666	53.700	-14.334	74.000	5.967	PK

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

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

| Site: AC1	Time: 2016/11/08 - 21:56
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 802.11n-HT40 at Channel 5190MHz Ant 0+1+2+3	
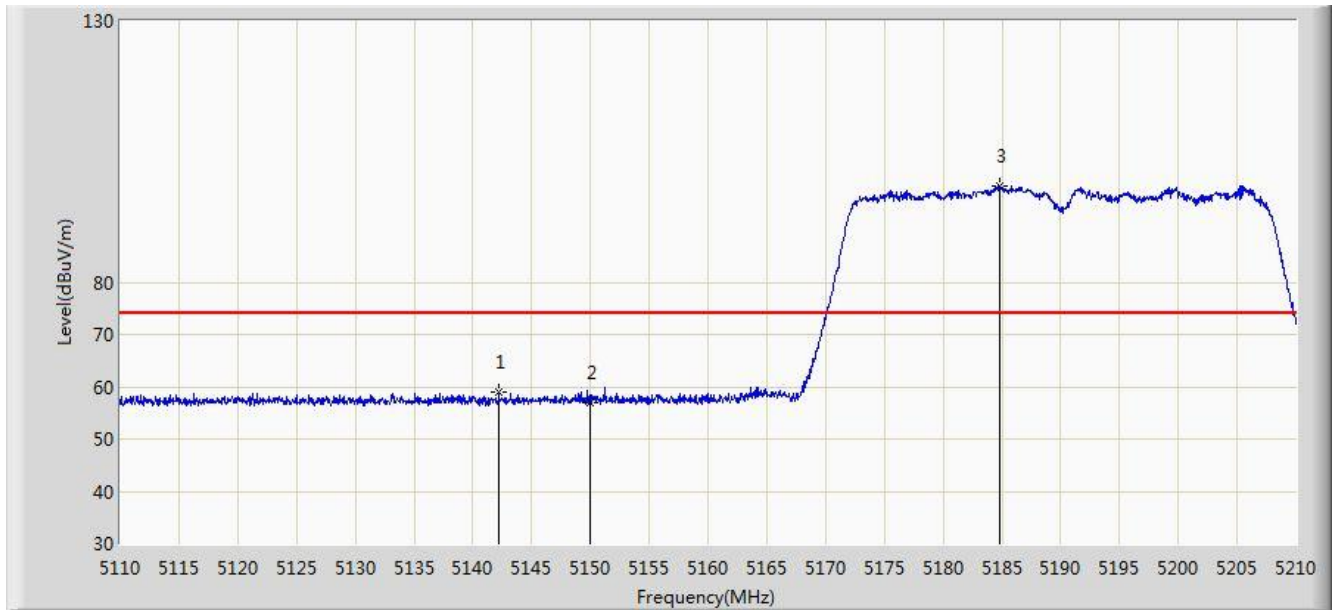
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.200	59.032	54.856	-14.968	74.000	4.175	PK
2			5150.000	57.044	52.875	-16.956	74.000	4.170	PK
3			5184.750	98.450	94.398	N/A	N/A	4.053	PK

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: 2016/11/08 - 21:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0+1+2+3	
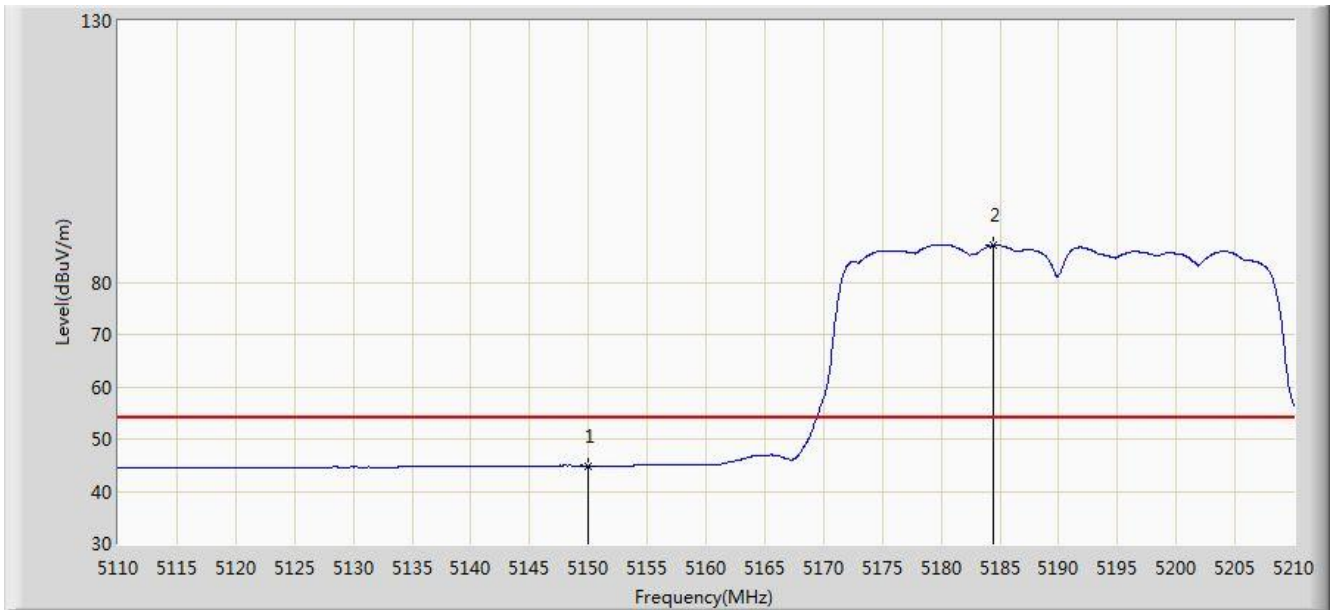
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.898	40.729	-9.102	54.000	4.170	AV
2			5184.450	87.049	82.996	N/A	N/A	4.053	AV

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

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

| Site: AC1	Time: 2016/11/08 - 21:55
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 802.11n-HT40 at Channel 5190MHz Ant 0+1+2+3	
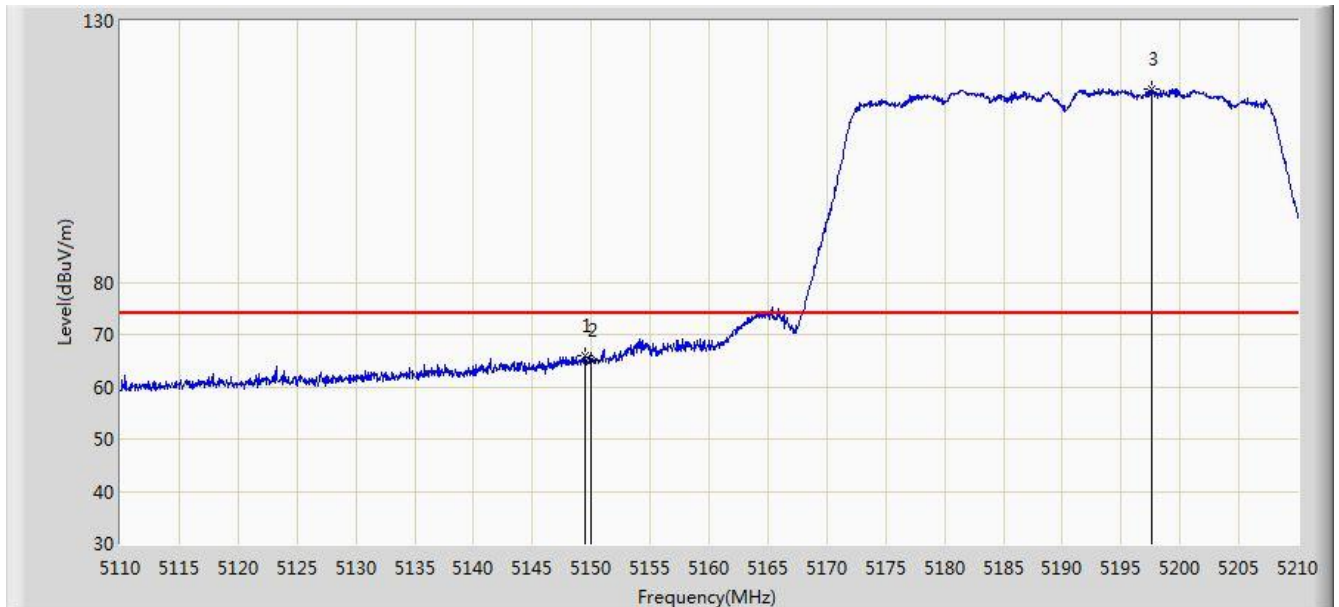
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.450	66.025	61.854	-7.975	74.000	4.170	PK
2			5150.000	65.026	60.857	-8.974	74.000	4.170	PK
3			5197.650	116.997	112.991	N/A	N/A	4.006	PK

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

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

| Site: AC1	Time: 2016/11/08 - 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 802.11n-HT40 at Channel 5190MHz Ant 0+1+2+3	
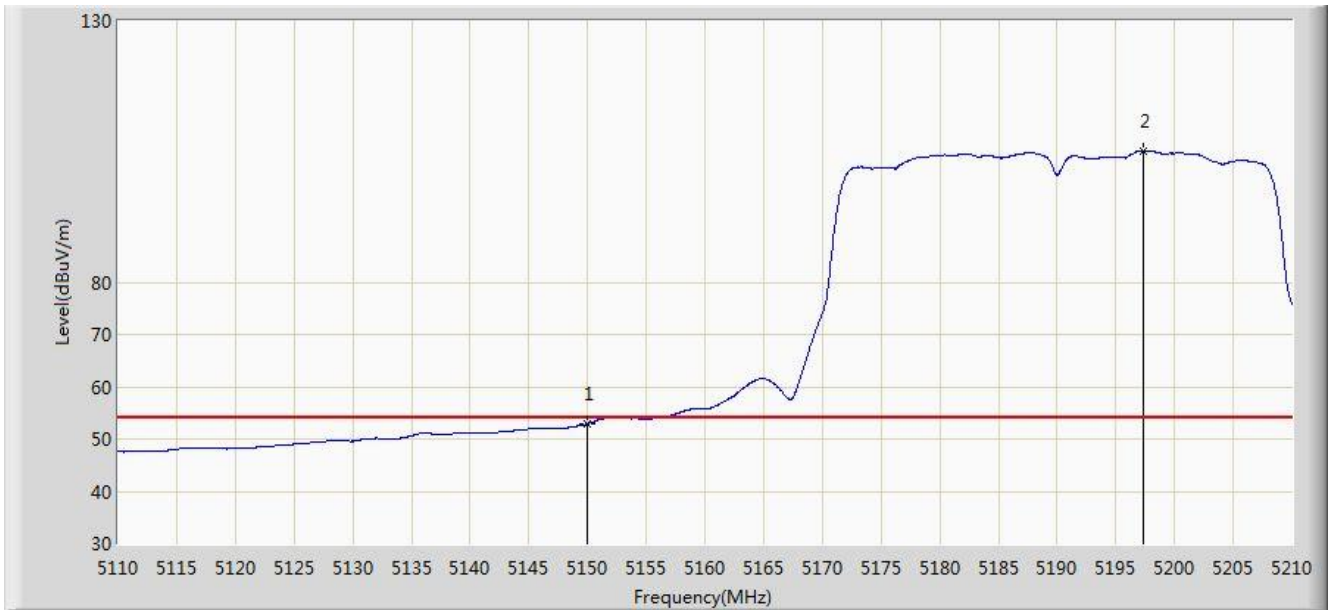
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.929	48.760	-1.071	54.000	4.170	AV
2			5197.350	105.149	101.142	N/A	N/A	4.008	AV

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

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

| Site: AC1	Time: 2016/11/08 - 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-HT40 at Channel 5755MHz Ant 0+1+2+3	
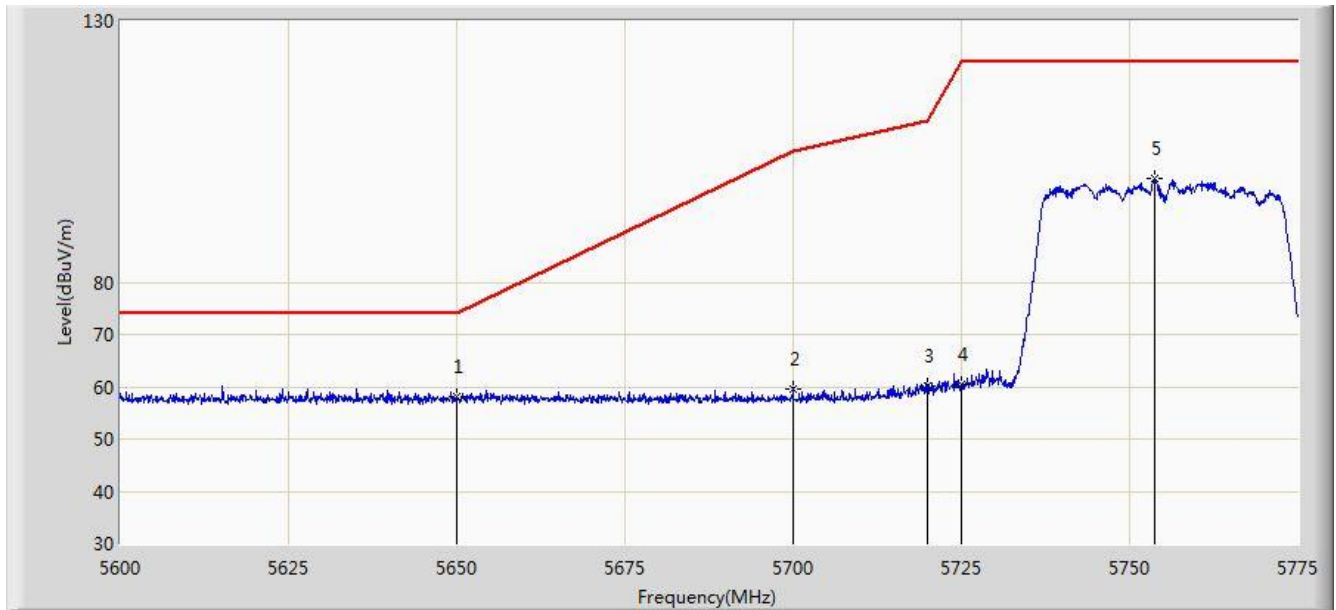
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	58.077	53.406	-15.923	74.000	4.671	PK
2			5700.000	59.586	54.708	-45.614	105.200	4.878	PK
3			5720.000	60.051	55.054	-50.749	110.800	4.997	PK
4			5725.000	60.413	55.384	-61.787	122.200	5.029	PK
5			5753.825	99.737	94.532	N/A	N/A	5.205	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: 2016/11/08 - 22:55
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 5755MHz Ant 0+1+2+3	
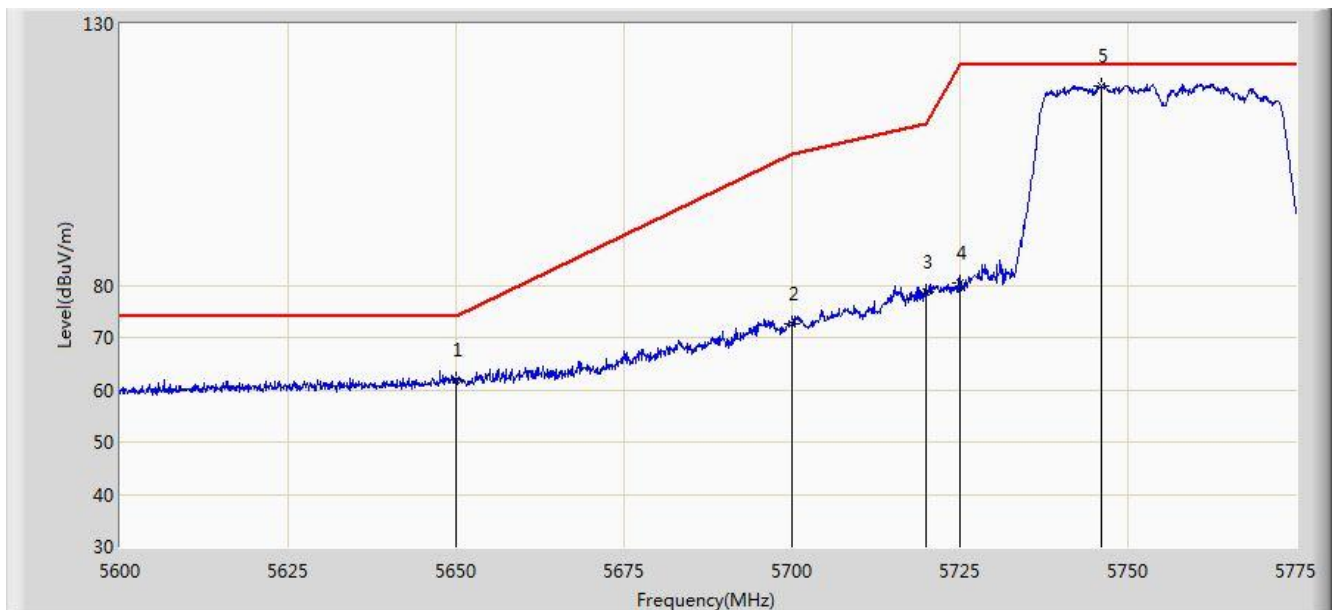
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	61.751	57.080	-12.249	74.000	4.671	PK
2			5700.000	72.568	67.690	-32.632	105.200	4.878	PK
3			5720.000	78.774	73.777	-32.026	110.800	4.997	PK
4			5725.000	80.571	75.542	-41.629	122.200	5.029	PK
5			5746.038	118.058	112.897	N/A	N/A	5.161	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: 2016/11/08 - 23:03
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0+1+2+3	
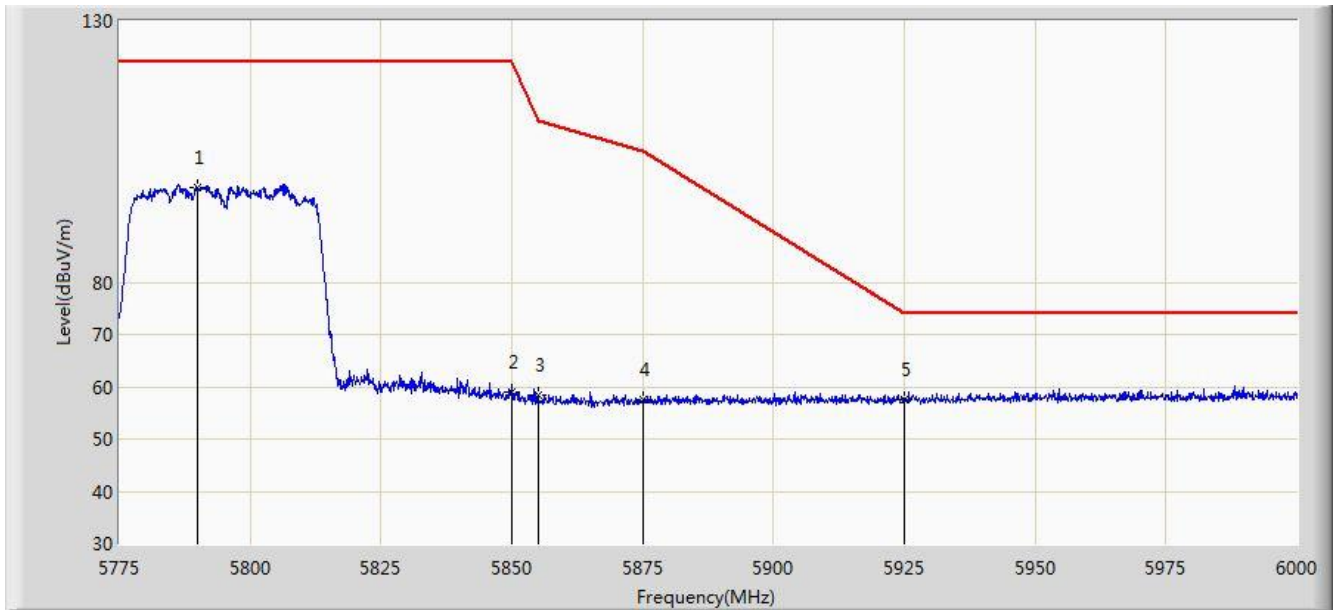
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5789.962	98.197	92.805	N/A	N/A	5.392	PK
2			5850.000	58.855	53.129	-63.345	122.200	5.726	PK
3			5855.000	58.371	52.625	-52.429	110.800	5.746	PK
4			5875.000	57.601	51.781	-47.599	105.200	5.820	PK
5			5925.000	57.581	51.615	-16.419	74.000	5.967	PK

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

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

|	
Site: AC1	Time: 2016/11/08 - 22:59
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	
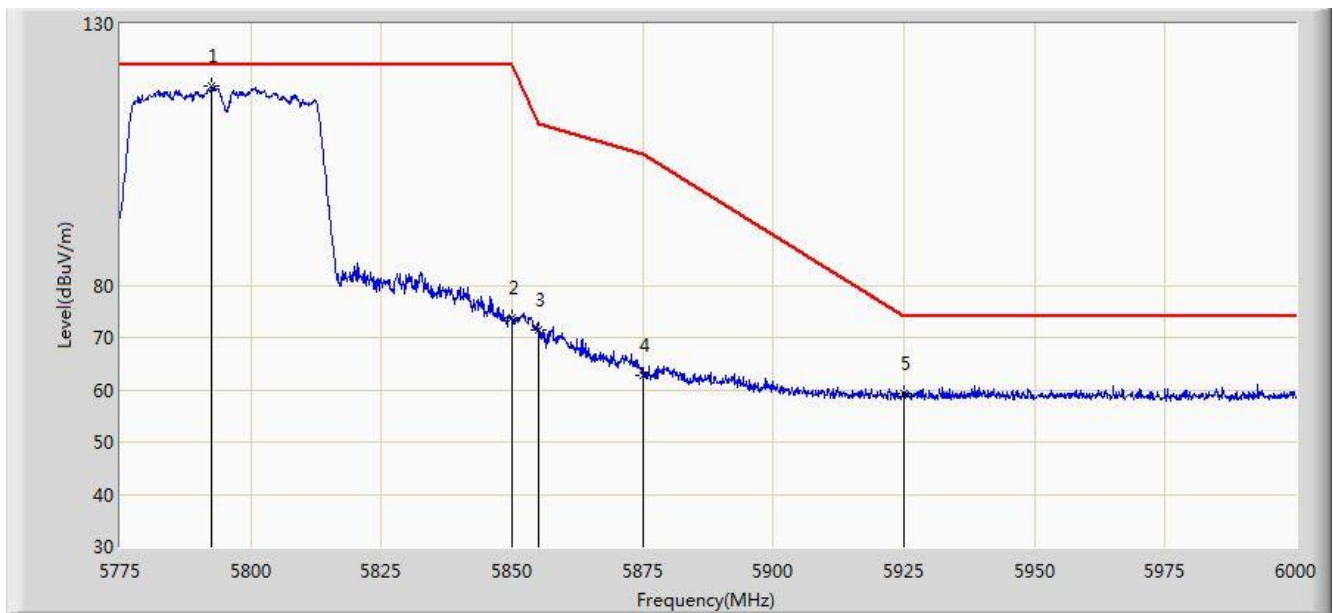
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5792.550	118.118	112.713	N/A	N/A	5.404	PK
2			5850.000	73.687	67.961	-48.513	122.200	5.726	PK
3			5855.000	71.512	65.766	-39.288	110.800	5.746	PK
4			5875.000	62.775	56.955	-42.425	105.200	5.820	PK
5			5925.000	59.307	53.341	-14.693	74.000	5.967	PK

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

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

Site: AC1	Time: 2016/11/08 - 23:10
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-VHT20 at Channel 5180MHz Ant 0+1+2+3	
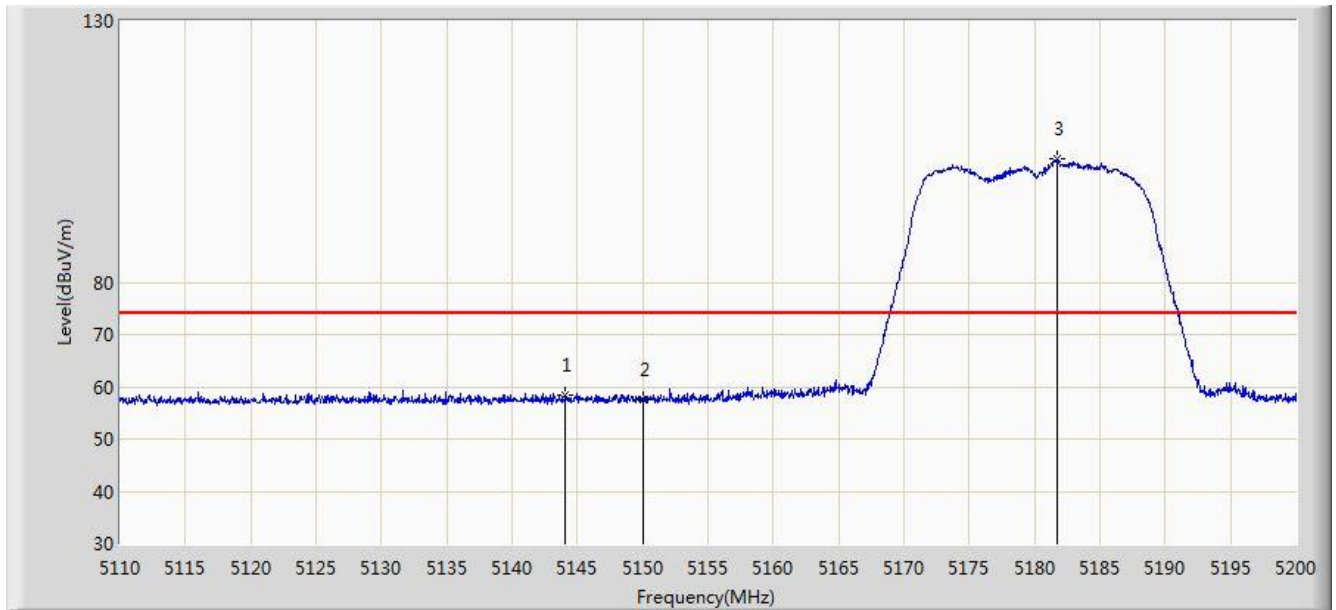
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.110	58.422	54.246	-15.578	74.000	4.176	PK
2			5150.000	57.666	53.497	-16.334	74.000	4.170	PK
3			5181.685	103.489	99.426	N/A	N/A	4.063	PK

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: 2016/11/08 - 23:12
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-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	44.842	40.673	-9.158	54.000	4.170	AV
2			5182.315	91.563	87.502	N/A	N/A	4.060	AV

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

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

| Site: AC1	Time: 2016/11/08 - 23:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0+1+2+3	
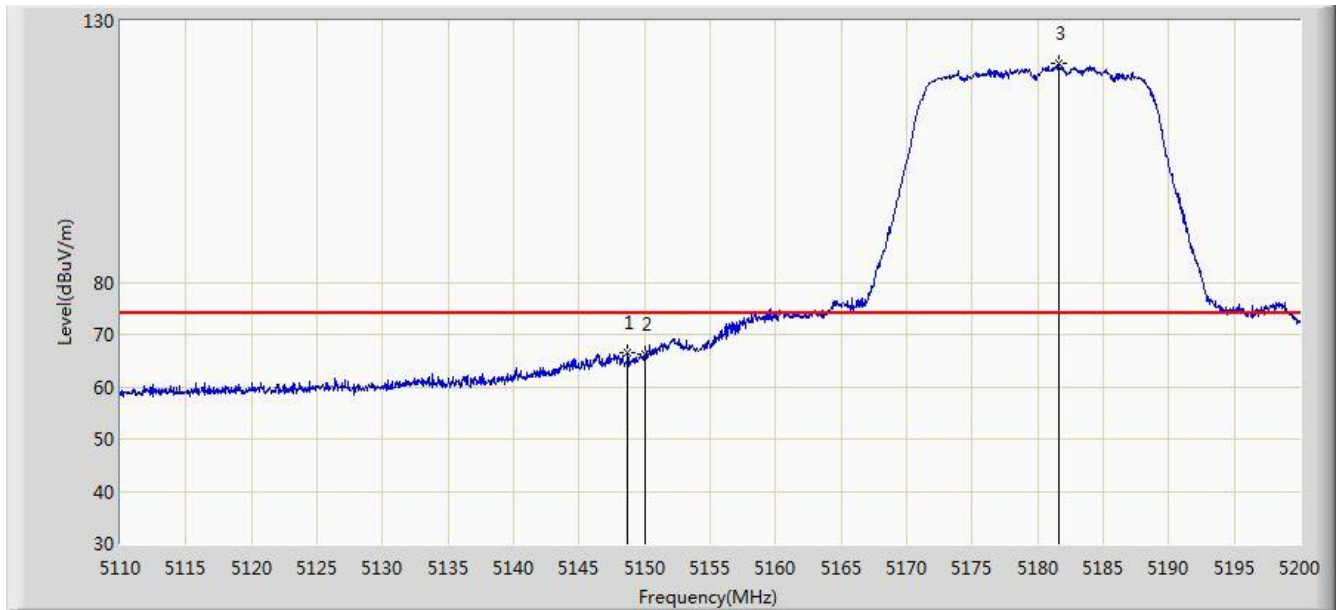
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.700	66.451	62.278	-7.549	74.000	4.174	PK
2			5150.000	66.126	61.957	-7.874	74.000	4.170	PK
3			5181.595	121.828	117.765	N/A	N/A	4.063	PK

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: 2016/11/08 - 23:06
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	
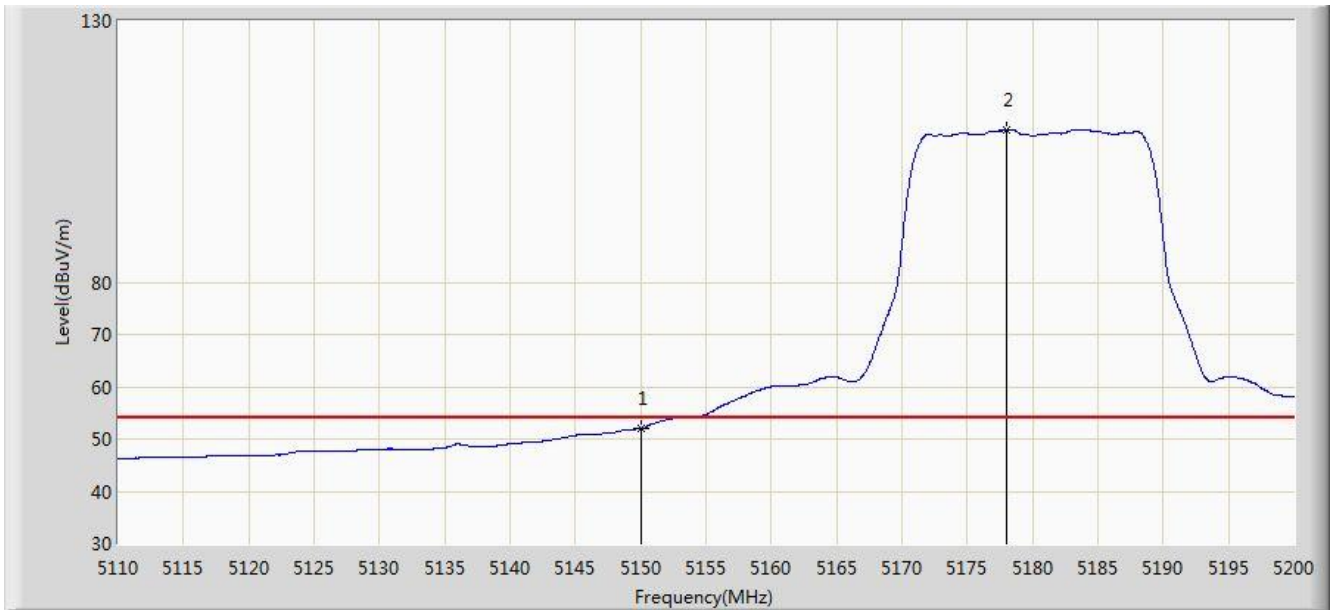
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.974	47.805	-2.026	54.000	4.170	AV
2			5178.000	109.038	104.962	N/A	N/A	4.077	AV

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

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

| Site: AC1	Time: 2016/11/09 - 11:08
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	
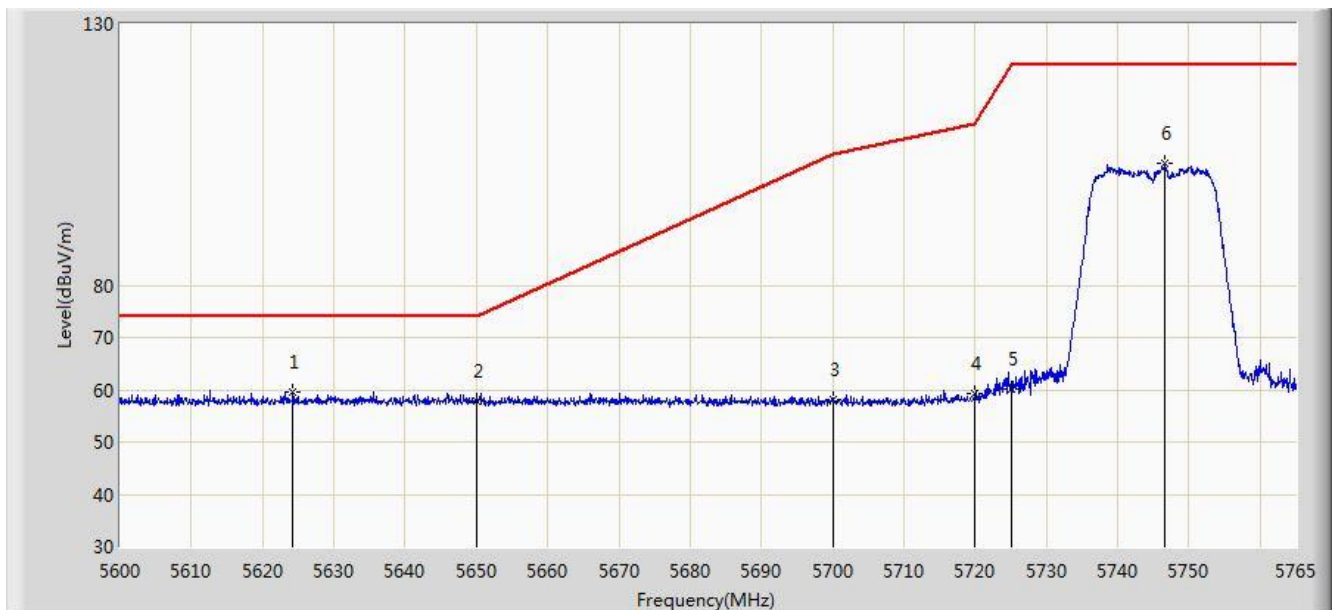
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5624.255	59.689	55.096	-14.311	74.000	4.592	PK
2			5650.000	57.783	53.112	-16.217	74.000	4.671	PK
3			5700.000	57.974	53.096	-47.226	105.200	4.878	PK
4			5720.000	59.219	54.222	-51.581	110.800	4.997	PK
5			5725.000	60.229	55.200	-61.971	122.200	5.029	PK
6			5746.603	103.387	98.223	N/A	N/A	5.165	PK

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

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

| Site: AC1	Time: 2016/11/09 - 11:15
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	
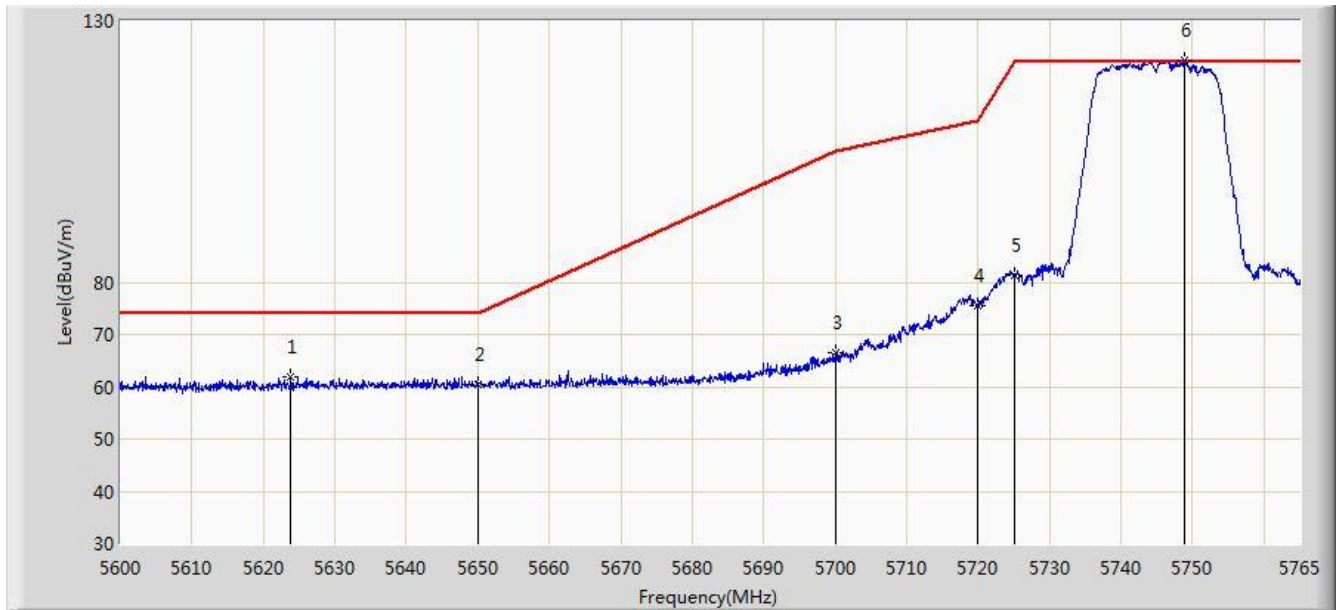
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5623.842	62.015	57.423	-11.985	74.000	4.592	PK
2			5650.000	60.544	55.873	-13.456	74.000	4.671	PK
3			5700.000	66.377	61.499	-38.823	105.200	4.878	PK
4			5720.000	75.496	70.499	-35.304	110.800	4.997	PK
5			5725.000	81.411	76.382	-40.789	122.200	5.029	PK
6			5748.913	122.499	117.322	N/A	N/A	5.177	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: 2016/11/09 - 11:24
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	
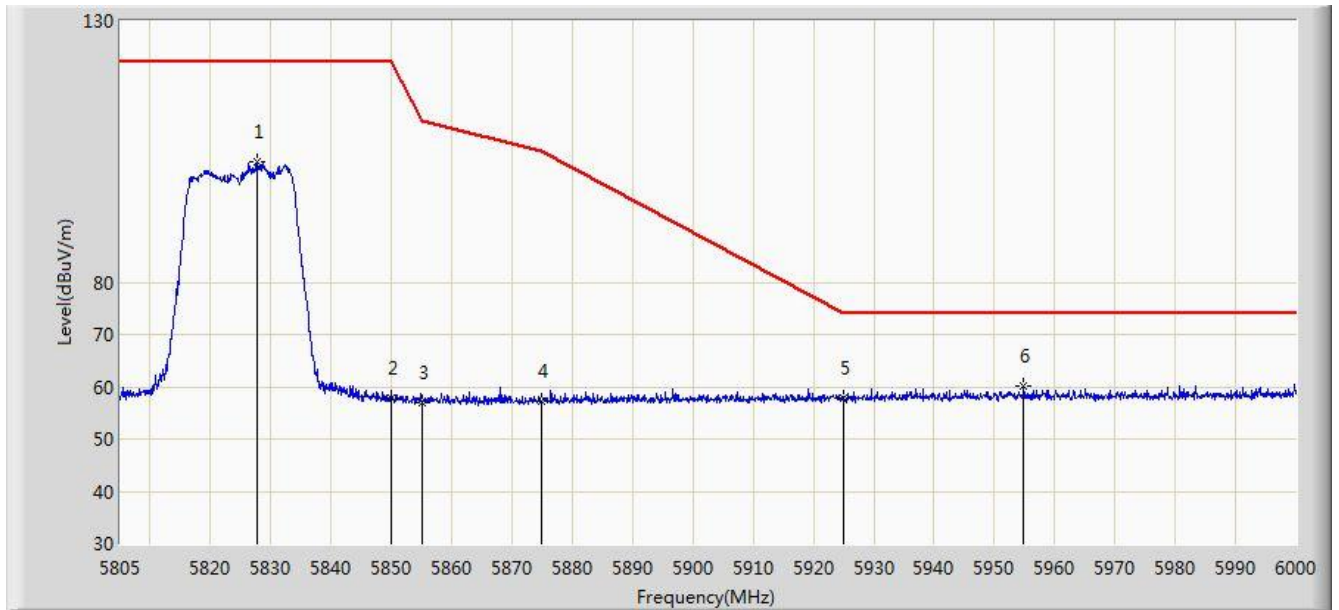
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5827.620	103.135	97.532	N/A	N/A	5.603	PK
2			5850.000	57.927	52.201	-64.273	122.200	5.726	PK
3			5855.000	56.938	51.192	-53.862	110.800	5.746	PK
4			5875.000	57.107	51.287	-48.093	105.200	5.820	PK
5			5925.000	57.940	51.974	-16.060	74.000	5.967	PK
6			5954.857	60.125	54.090	-13.875	74.000	6.035	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: 2016/11/09 - 11:28
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 802.11ac-VHT20 at Channel 5825MHz Ant 0+1+2+3	
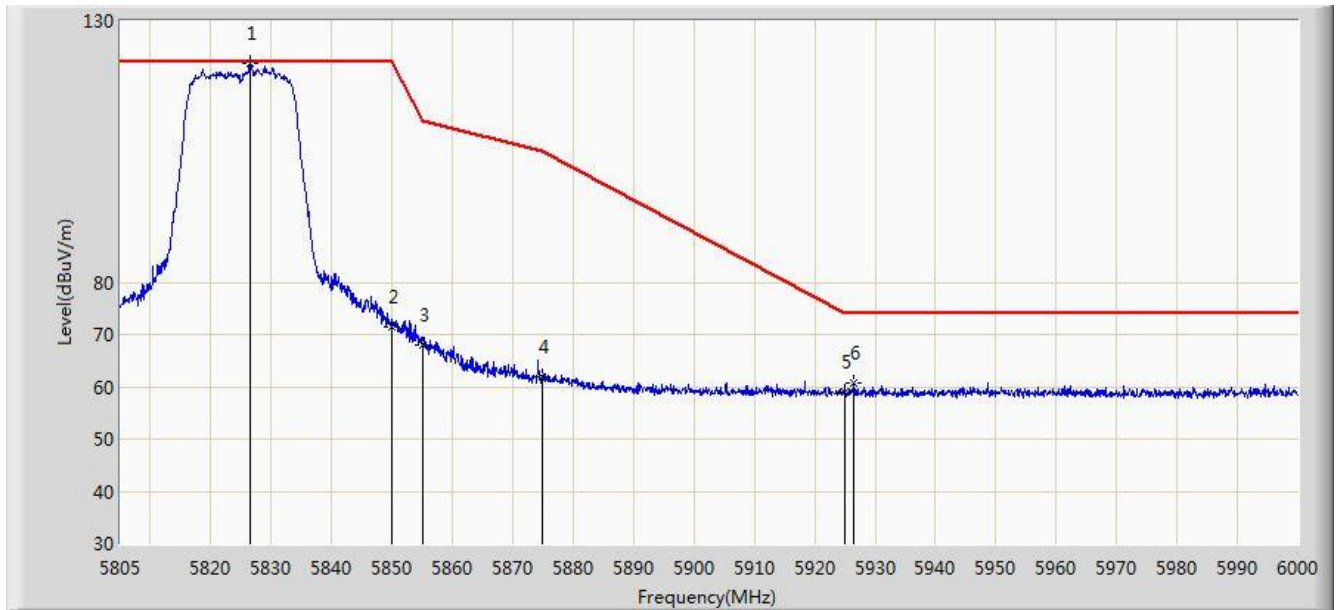
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.450	121.750	116.154	N/A	N/A	5.596	PK
2			5850.000	71.382	65.656	-50.818	122.200	5.726	PK
3			5855.000	67.928	62.182	-42.872	110.800	5.746	PK
4			5875.000	61.741	55.921	-43.459	105.200	5.820	PK
5			5925.000	59.073	53.107	-14.927	74.000	5.967	PK
6			5926.485	60.721	54.751	-13.279	74.000	5.970	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: 2016/11/09 - 11:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1+2+3	
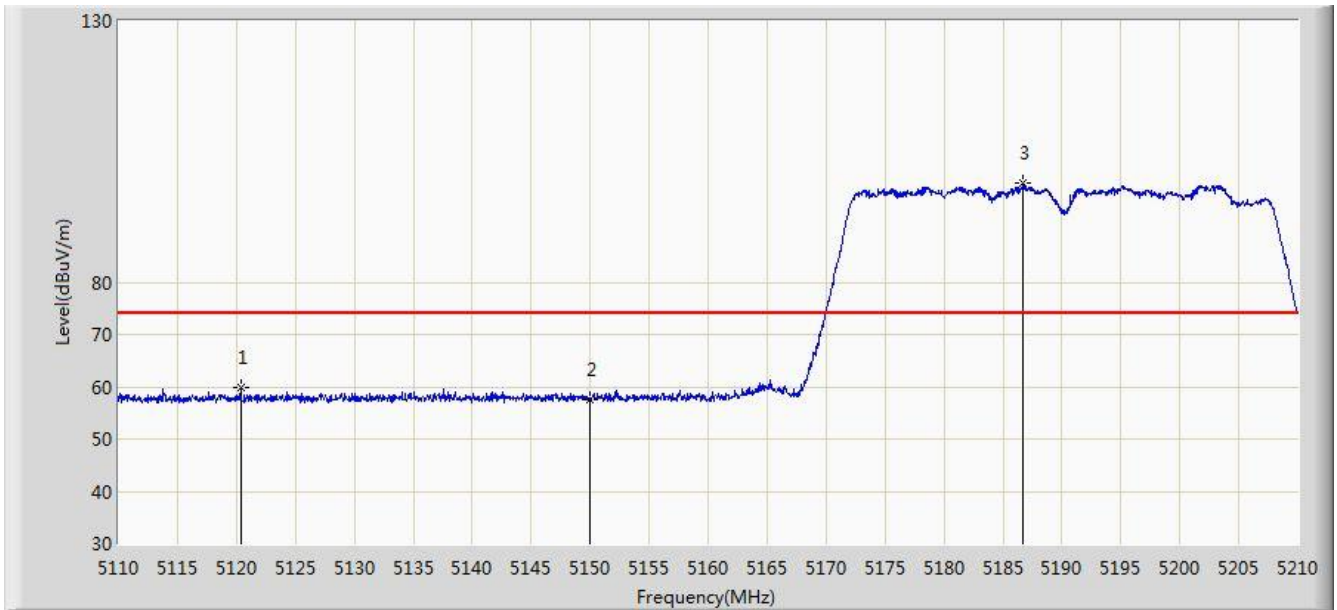
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5120.350	59.795	55.620	-14.205	74.000	4.175	PK
2			5150.000	57.681	53.512	-16.319	74.000	4.170	PK
3			5186.750	98.912	94.867	N/A	N/A	4.045	PK

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

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

| Site: AC1	Time: 2016/11/09 - 11:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1+2+3	
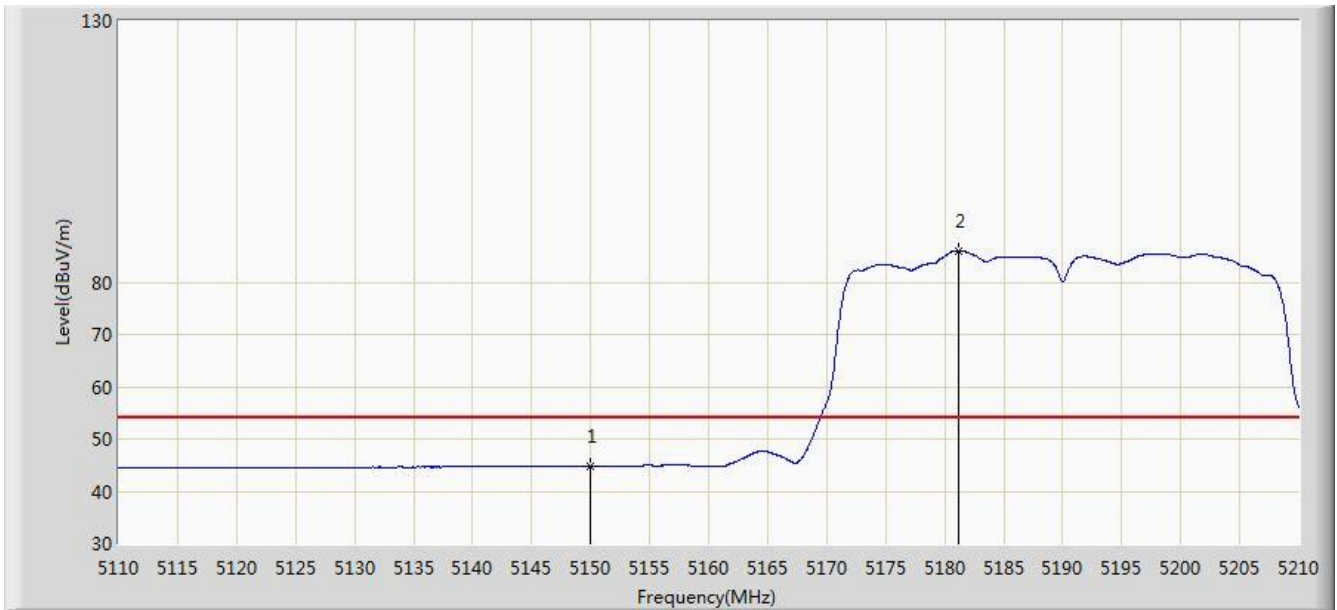
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.788	40.619	-9.212	54.000	4.170	AV
2			5181.150	85.998	81.933	N/A	N/A	4.064	AV

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

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

| Site: AC1	Time: 2016/11/09 - 11:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0+1+2+3	
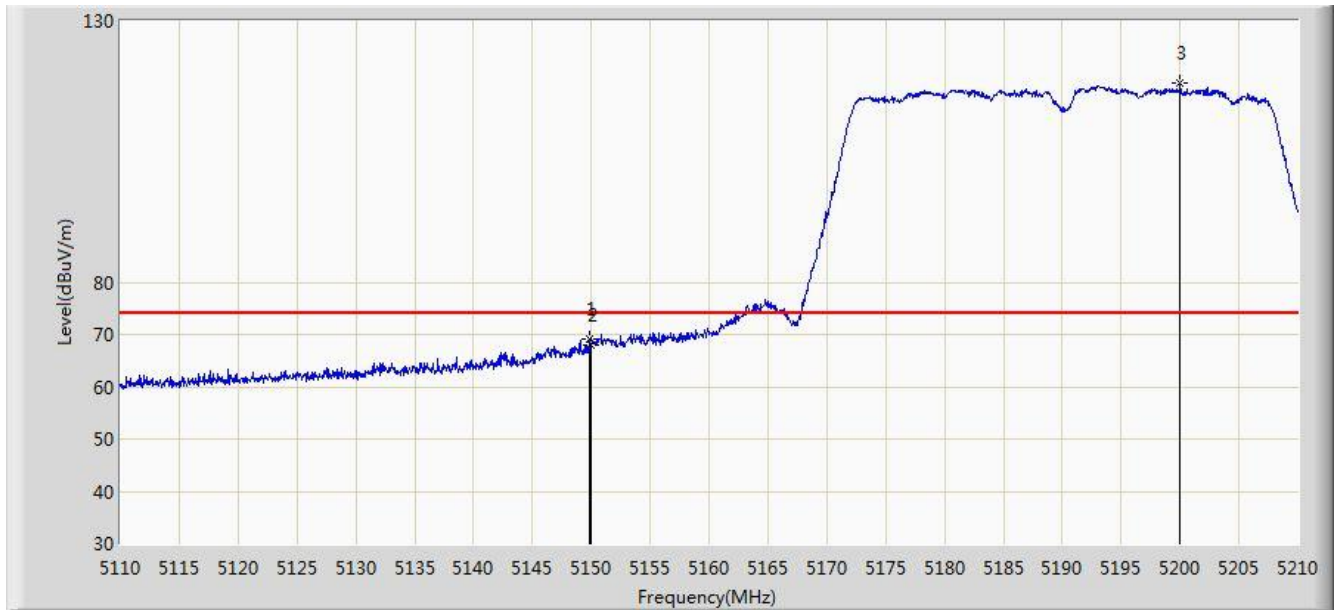
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.850	69.242	65.072	-4.758	74.000	4.170	PK
2			5150.000	67.921	63.752	-6.079	74.000	4.170	PK
3			5200.000	118.255	114.257	N/A	N/A	3.998	PK

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

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

| Site: AC1	Time: 2016/11/09 - 11:43
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-VHT40 at Channel 5190MHz Ant 0+1+2+3	
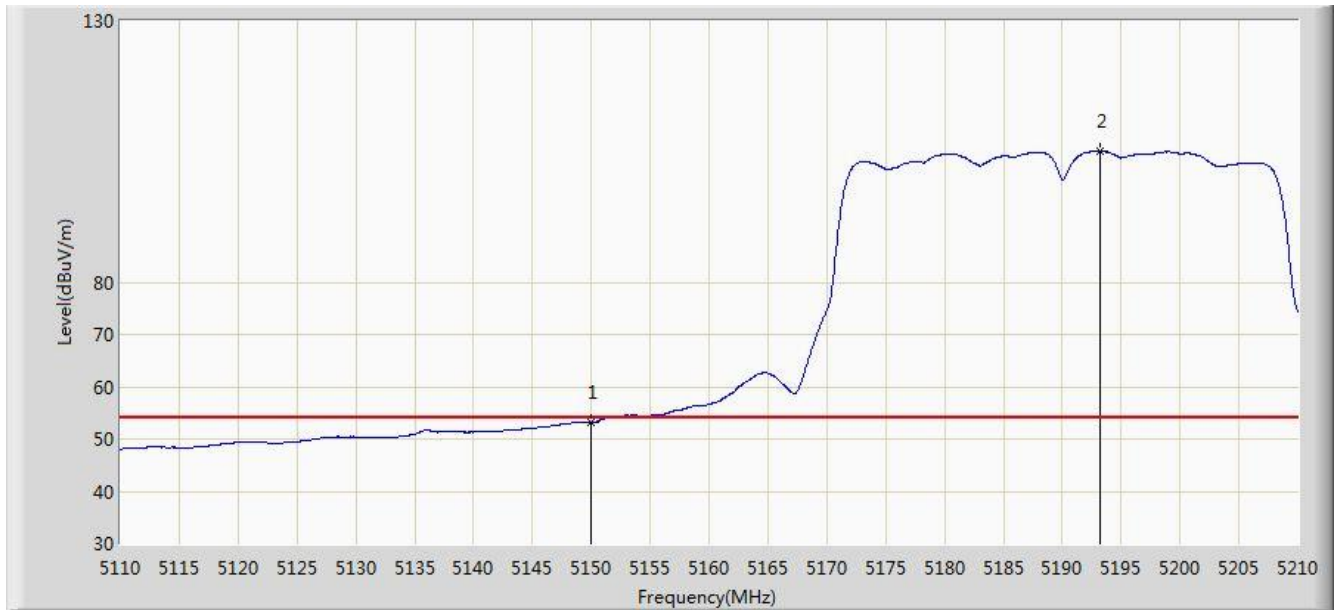
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.228	49.059	-0.772	54.000	4.170	AV
2			5193.150	105.110	101.088	N/A	N/A	4.023	AV

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

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

| Site: AC1	Time: 2016/11/09 - 19:36
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1+2+3	
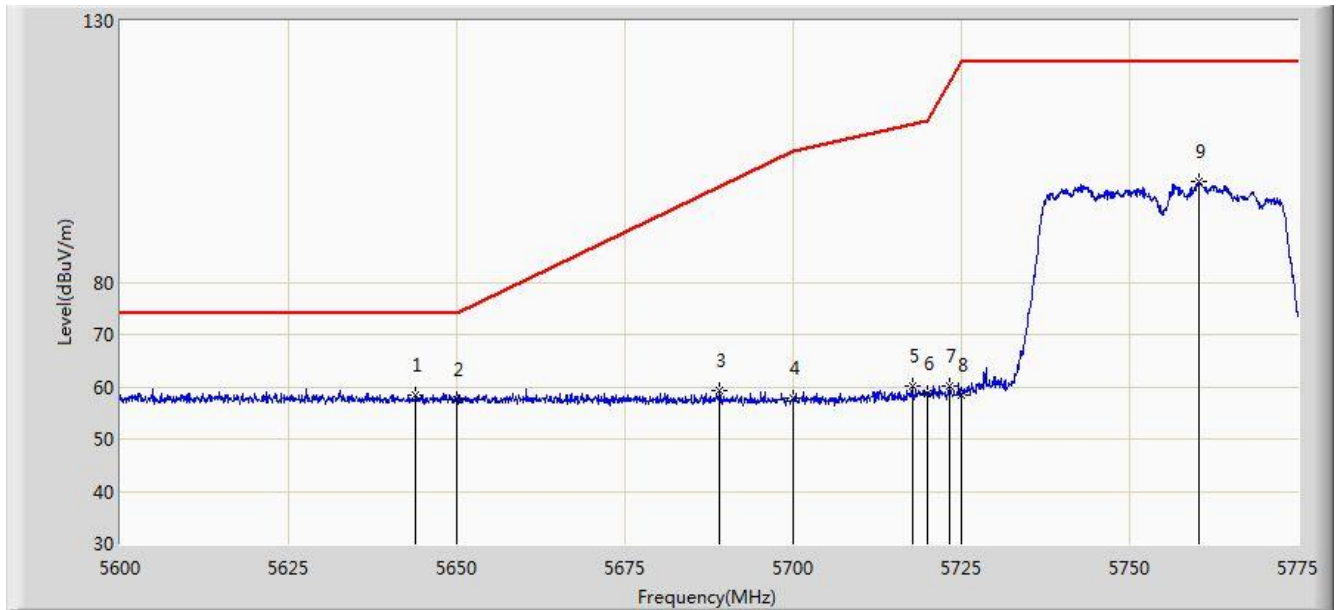
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5643.925	58.462	53.811	-15.538	74.000	4.651	PK
2			5650.000	57.600	52.929	-16.400	74.000	4.671	PK
3			5689.075	59.150	54.326	-39.256	98.406	4.824	PK
4			5700.000	57.815	52.937	-47.385	105.200	4.878	PK
5			5717.687	60.243	55.261	-49.910	110.153	4.982	PK
6			5720.000	58.610	53.613	-52.190	110.800	4.997	PK
7			5723.200	60.239	55.222	-57.858	118.097	5.017	PK
8			5725.000	58.300	53.271	-63.900	122.200	5.029	PK
9			5760.212	99.231	93.990	N/A	N/A	5.241	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: 2016/11/09 - 19:34
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1+2+3	
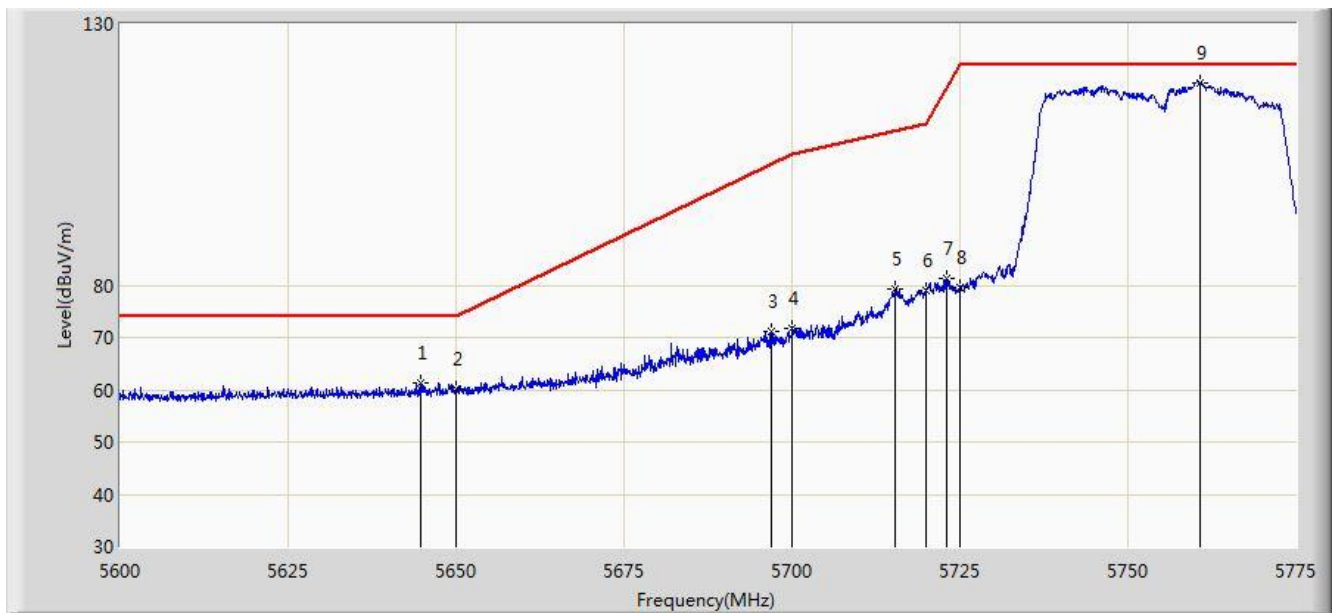
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.712	61.253	56.600	-12.747	74.000	4.654	PK
2			5650.000	60.136	55.465	-13.864	74.000	4.671	PK
3			5697.038	71.263	66.400	-32.097	103.359	4.863	PK
4			5700.000	71.667	66.789	-33.533	105.200	4.878	PK
5			5715.325	79.266	74.299	-30.227	109.493	4.967	PK
6			5720.000	79.113	74.116	-31.687	110.800	4.997	PK
7			5722.937	81.182	76.166	-36.316	117.498	5.015	PK
8			5725.000	79.697	74.668	-42.503	122.200	5.029	PK
9			5760.737	118.828	113.584	N/A	N/A	5.244	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: 2016/11/09 - 19:43
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-VHT40 at Channel 5795MHz Ant 0+1+2+3	
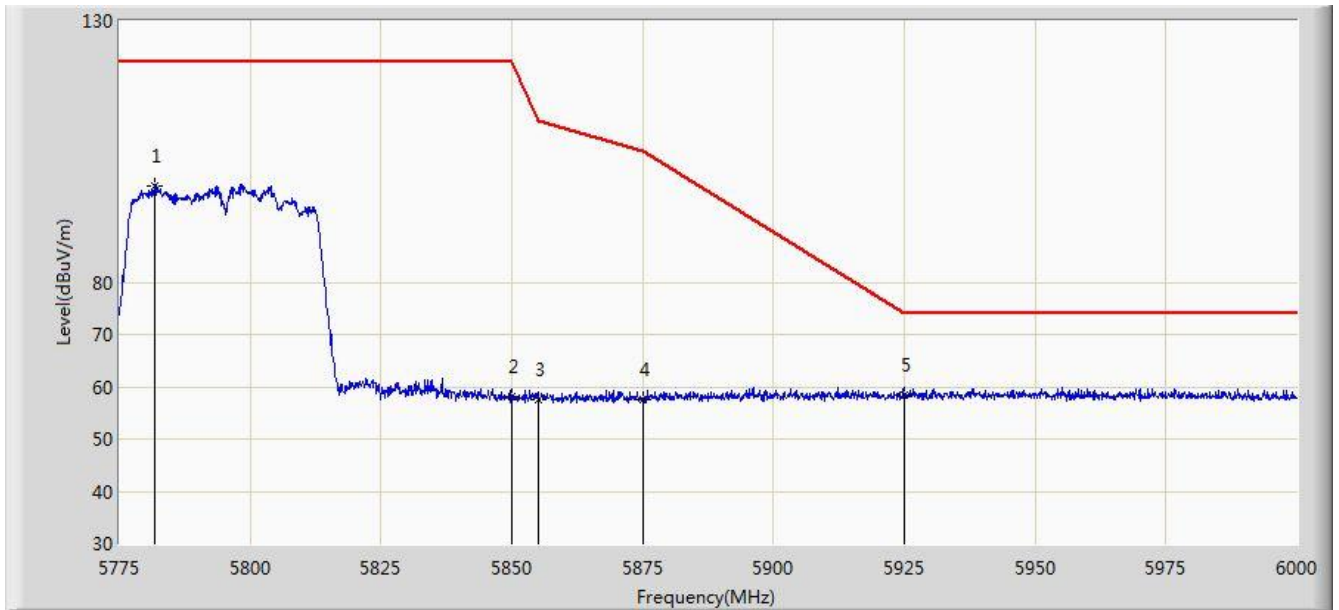
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5781.638	98.539	93.189	N/A	N/A	5.350	PK
2			5850.000	58.138	52.412	-64.062	122.200	5.726	PK
3			5855.000	57.680	51.934	-53.120	110.800	5.746	PK
4			5875.000	57.572	51.752	-47.628	105.200	5.820	PK
5			5925.000	58.539	52.573	-15.461	74.000	5.967	PK

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

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

| Site: AC1	Time: 2016/11/09 - 19:39
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0+1+2+3	
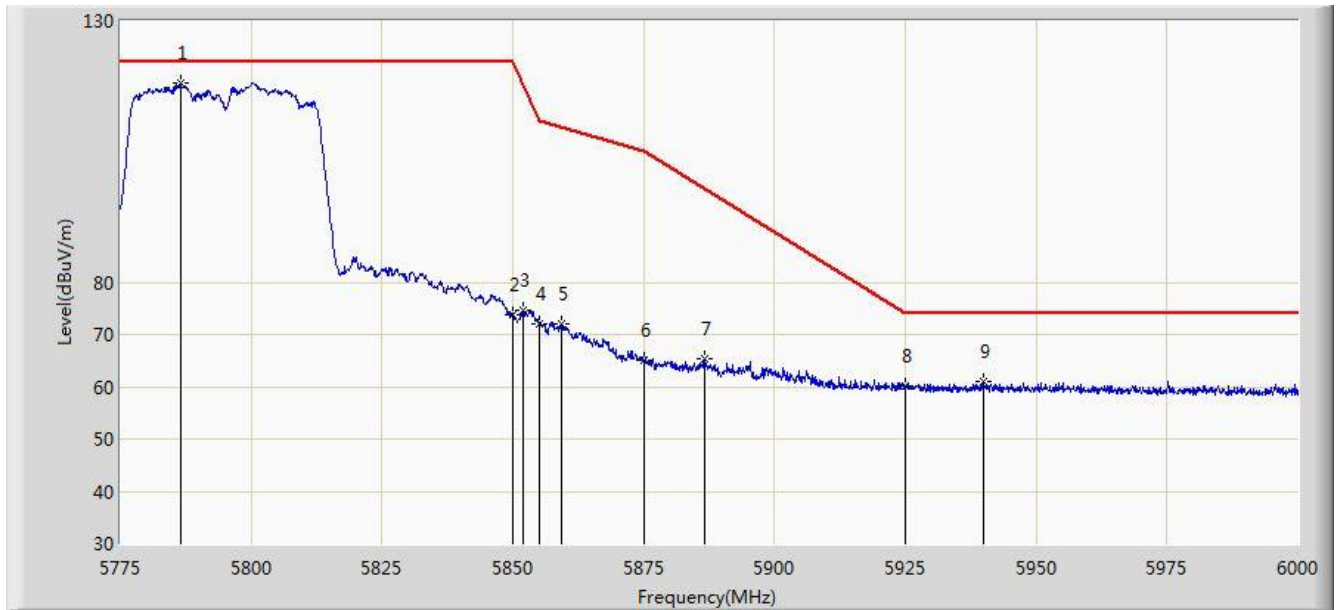
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5786.475	118.012	112.638	N/A	N/A	5.374	PK
2			5850.000	73.745	68.019	-48.455	122.200	5.726	PK
3			5851.837	74.712	68.979	-43.298	118.011	5.734	PK
4			5855.000	72.170	66.424	-38.630	110.800	5.746	PK
5			5859.375	71.994	66.230	-37.579	109.573	5.765	PK
6			5875.000	65.152	59.332	-40.048	105.200	5.820	PK
7			5886.600	65.351	59.491	-32.587	97.938	5.860	PK
8			5925.000	60.048	54.082	-13.952	74.000	5.967	PK
9			5939.812	60.913	54.910	-13.087	74.000	6.004	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: 2016/11/09 - 19:54
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	
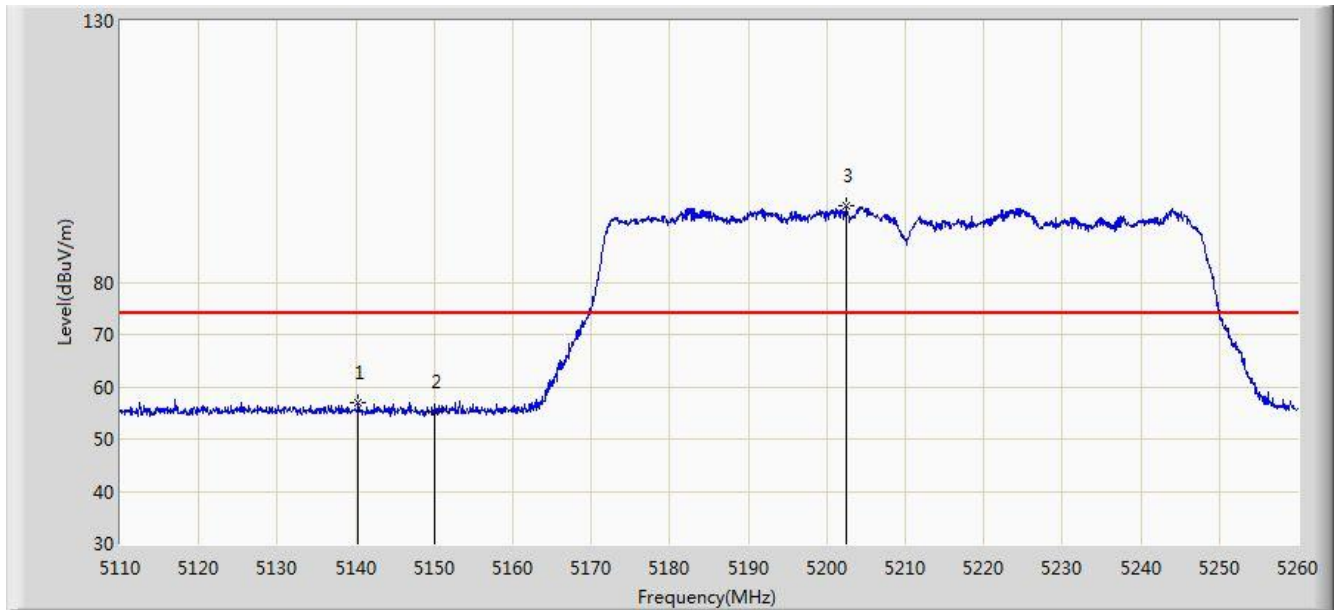
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.300	56.865	52.690	-17.135	74.000	4.176	PK
2			5150.000	55.177	51.008	-18.823	74.000	4.170	PK
3			5202.550	94.568	90.577	N/A	N/A	3.990	PK

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

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

| Site: AC1	Time: 2016/11/09 - 19:56
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-VHT80 at Channel 5210MHz Ant 0+1+2+3	
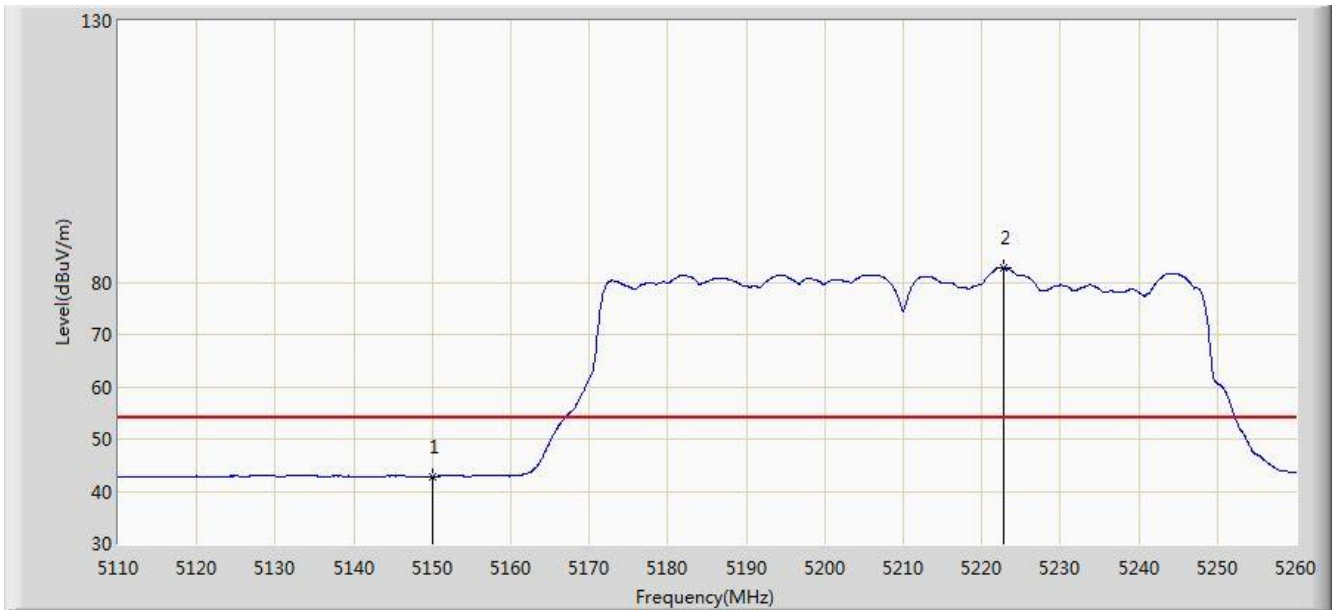
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	42.782	38.613	-11.218	54.000	4.170	AV
2			5222.800	82.808	78.877	N/A	N/A	3.931	AV

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

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

| Site: AC1	Time: 2016/11/09 - 19:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1+2+3	
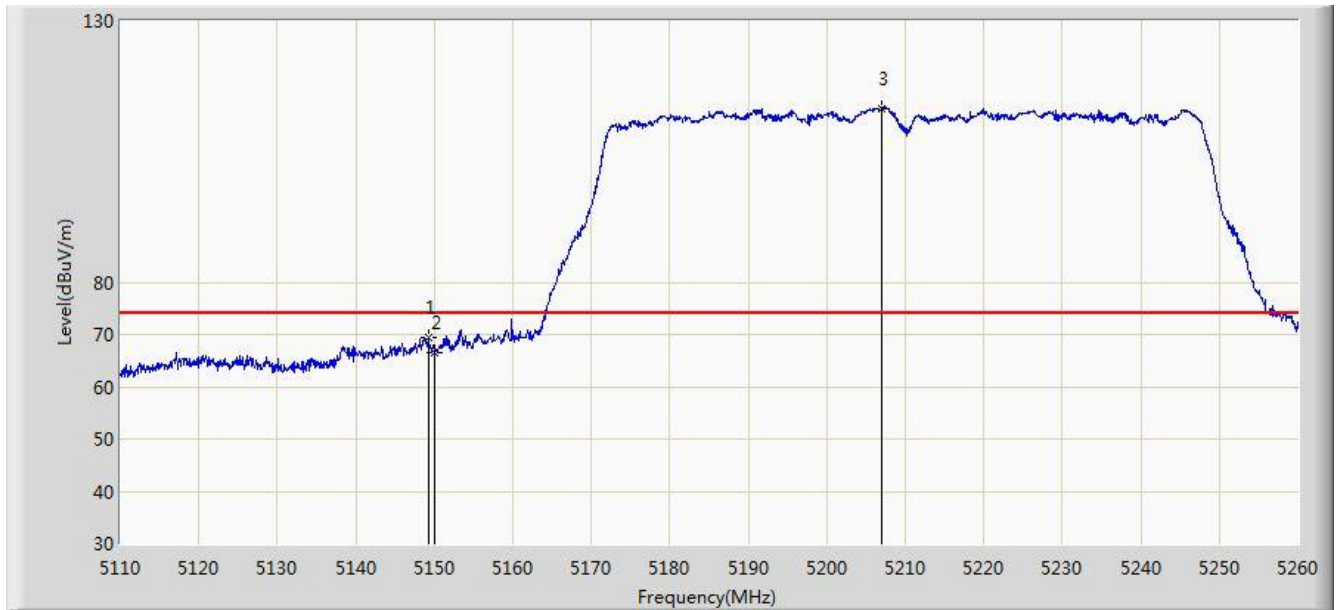
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.225	69.399	65.227	-4.601	74.000	4.172	PK
2			5150.000	66.427	62.258	-7.573	74.000	4.170	PK
3			5206.900	113.188	109.210	N/A	N/A	3.977	PK

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: 2016/11/09 - 19:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1+2+3	
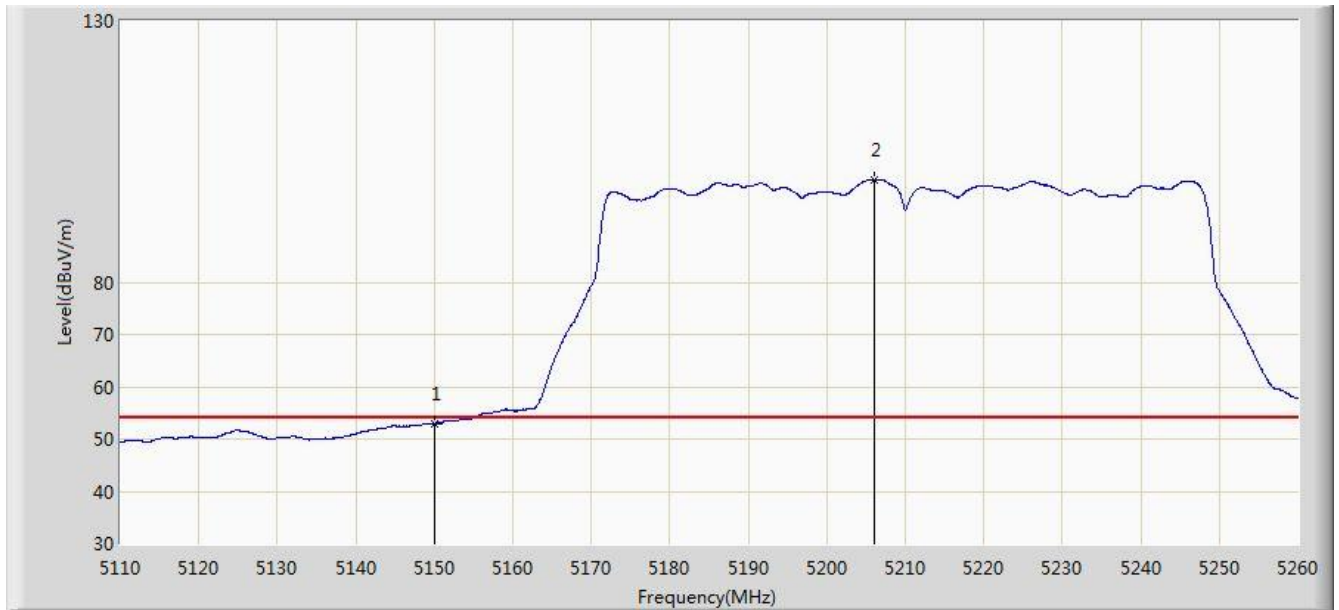
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.998	48.829	-1.002	54.000	4.170	AV
2			5206.000	99.646	95.665	N/A	N/A	3.980	AV

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

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

| Site: AC1	Time: 2016/11/09 - 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-VHT80 at Channel 5775MHz Ant 0+1+2+3	
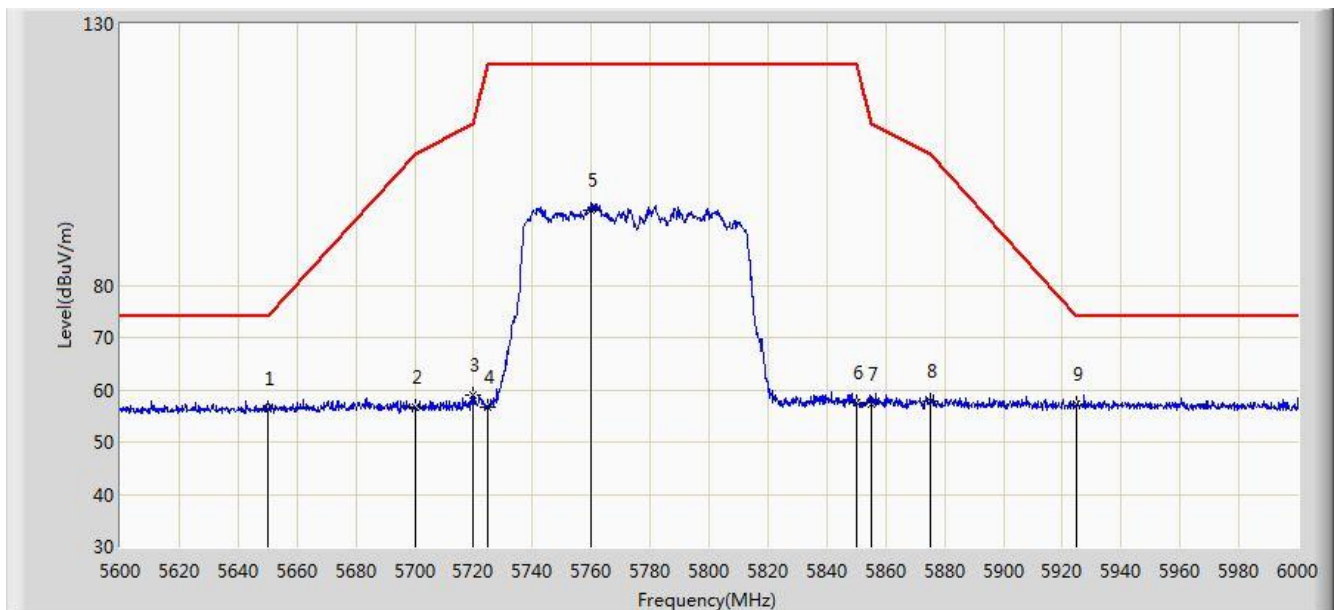
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	56.506	51.835	-17.494	74.000	4.671	PK
2			5700.000	56.761	51.883	-48.439	105.200	4.878	PK
3			5720.000	58.841	53.844	-51.959	110.800	4.997	PK
4			5725.000	56.620	51.591	-65.580	122.200	5.029	PK
5			5760.000	94.468	89.228	N/A	N/A	5.240	PK
6			5850.000	57.618	51.892	-64.582	122.200	5.726	PK
7			5855.000	57.239	51.493	-53.561	110.800	5.746	PK
8			5875.000	57.853	52.033	-47.347	105.200	5.820	PK
9			5925.000	57.117	51.151	-16.883	74.000	5.967	PK

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

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

| Site: AC1	Time: 2016/11/09 - 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-VHT80 at Channel 5775MHz Ant 0+1+2+3	
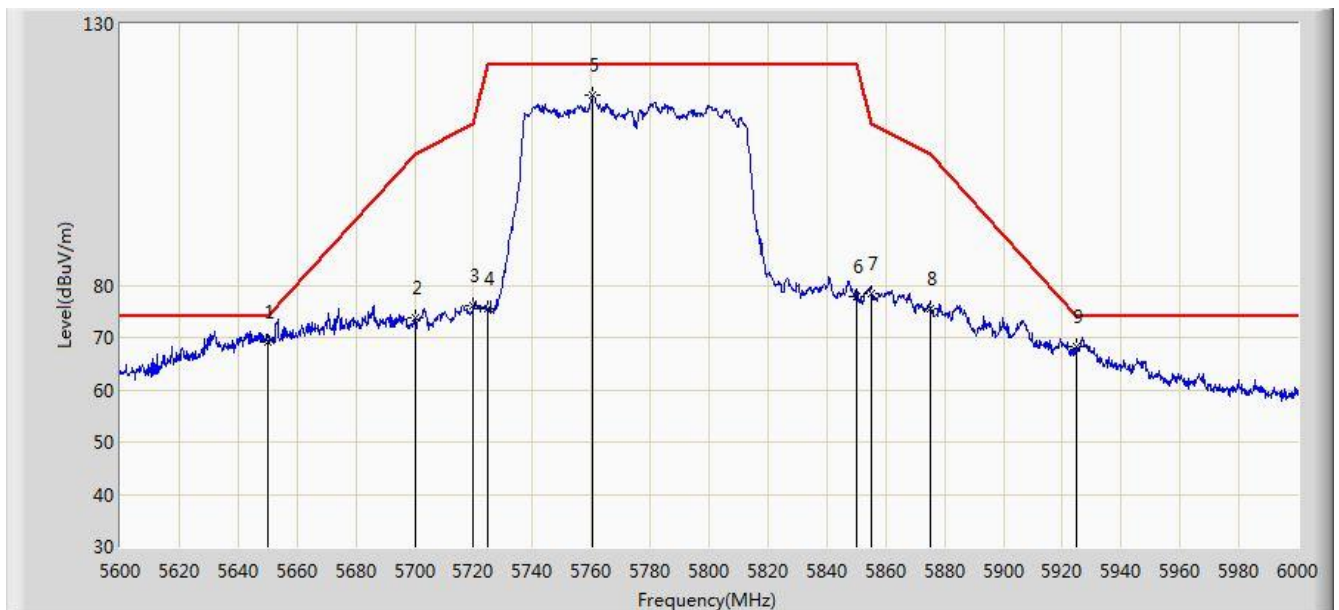
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	69.250	64.579	-4.750	74.000	4.671	PK
2			5700.000	73.776	68.898	-31.424	105.200	4.878	PK
3			5720.000	75.962	70.965	-34.838	110.800	4.997	PK
4			5725.000	75.652	70.623	-46.548	122.200	5.029	PK
5			5760.600	116.233	110.990	N/A	N/A	5.244	PK
6			5850.000	77.845	72.119	-44.355	122.200	5.726	PK
7			5855.000	78.523	72.777	-32.277	110.800	5.746	PK
8			5875.000	75.609	69.789	-29.591	105.200	5.820	PK
9			5925.000	68.170	62.204	-5.830	74.000	5.967	PK

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

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

| Site: AC1	Time: 2016/12/06 - 16:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	
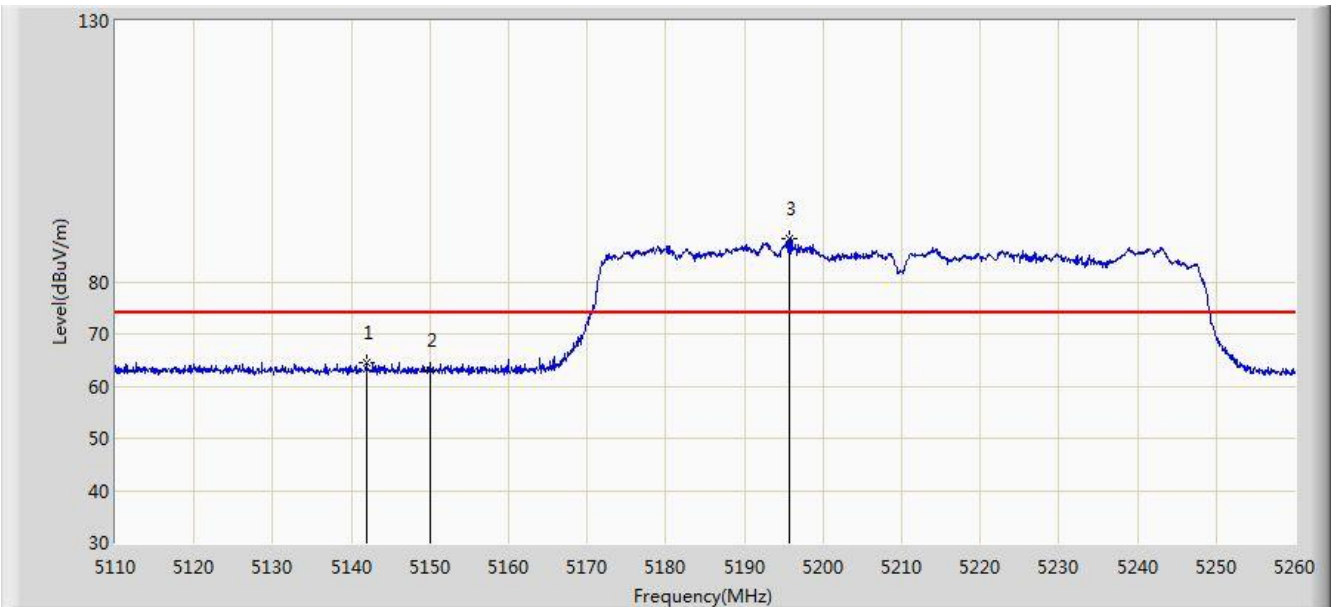
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.950	64.422	24.976	-9.578	74.000	39.446	PK
2			5150.000	62.922	23.481	-11.078	74.000	39.442	PK
3		*	5195.800	88.218	48.889	N/A	N/A	39.329	PK

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

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

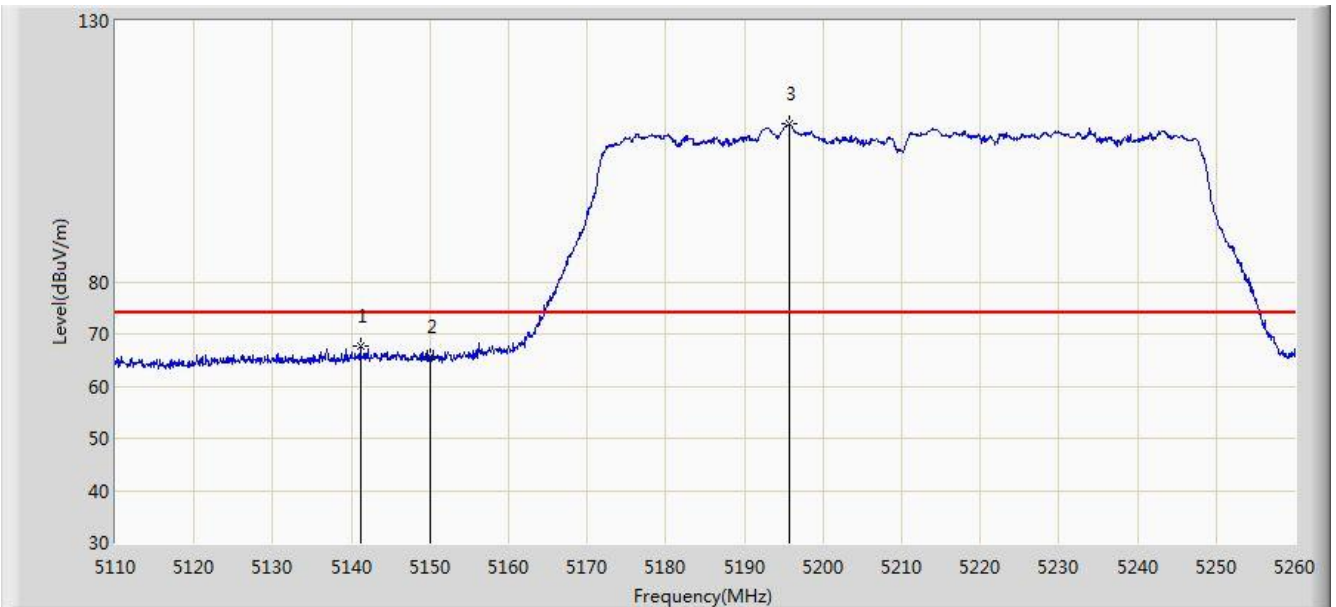| Site: AC1	Time: 2016/12/06 - 16:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	
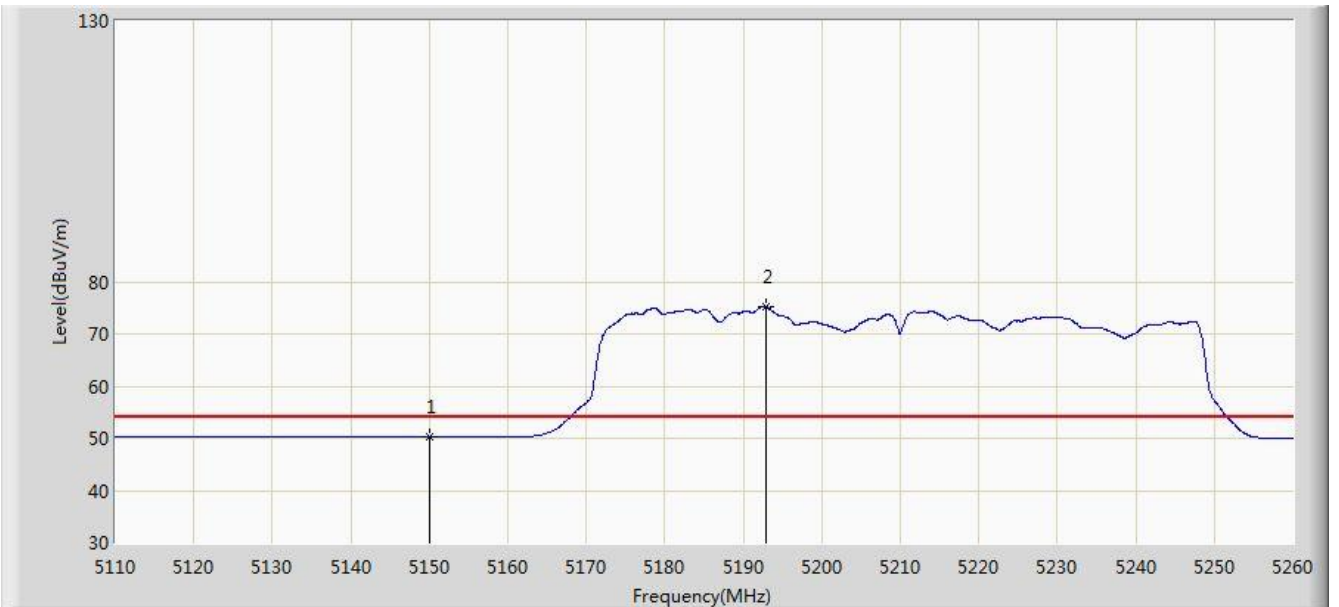
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.298	10.857	-3.702	54.000	39.442	AV
2		*	5192.950	75.221	35.885	N/A	N/A	39.336	AV

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

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

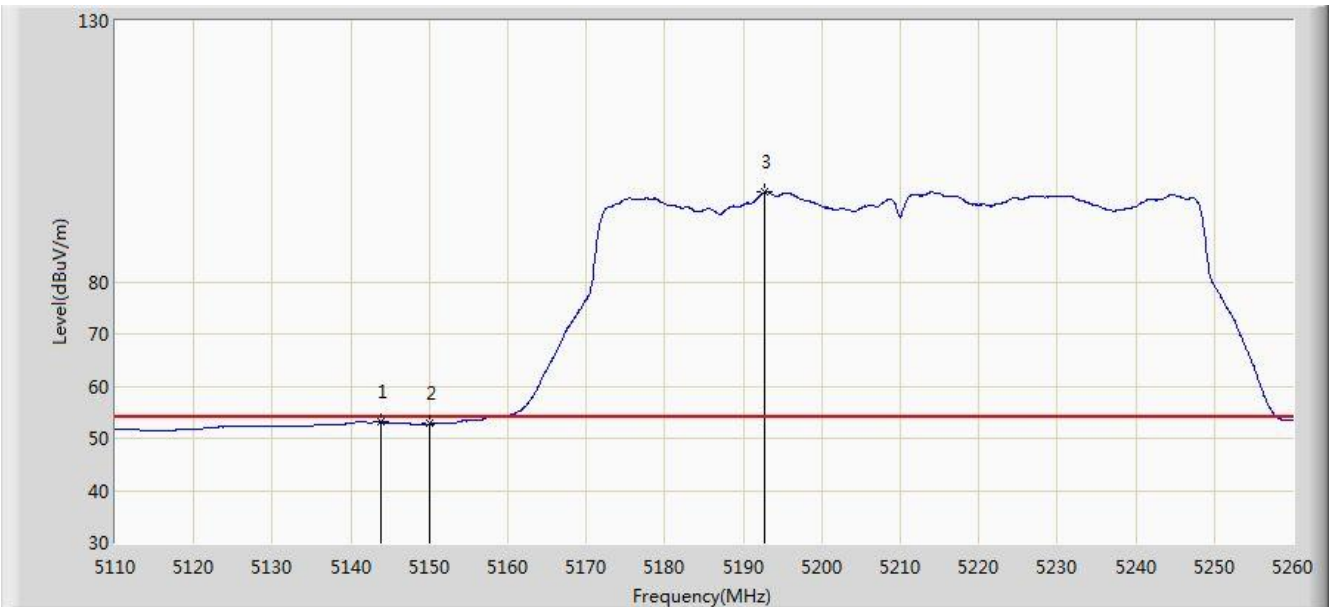| Site: AC1	Time: 2016/12/06 - 16:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.125	67.752	28.306	-6.248	74.000	39.445	PK
2			5150.000	65.637	26.196	-8.363	74.000	39.442	PK
3		*	5195.800	110.378	71.049	N/A	N/A	39.329	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: 2016/12/06 - 16:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.750	53.187	13.741	-0.813	54.000	39.445	AV
2			5150.000	52.770	13.329	-1.230	54.000	39.442	AV
3		*	5192.725	97.177	57.840	N/A	N/A	39.336	AV

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

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

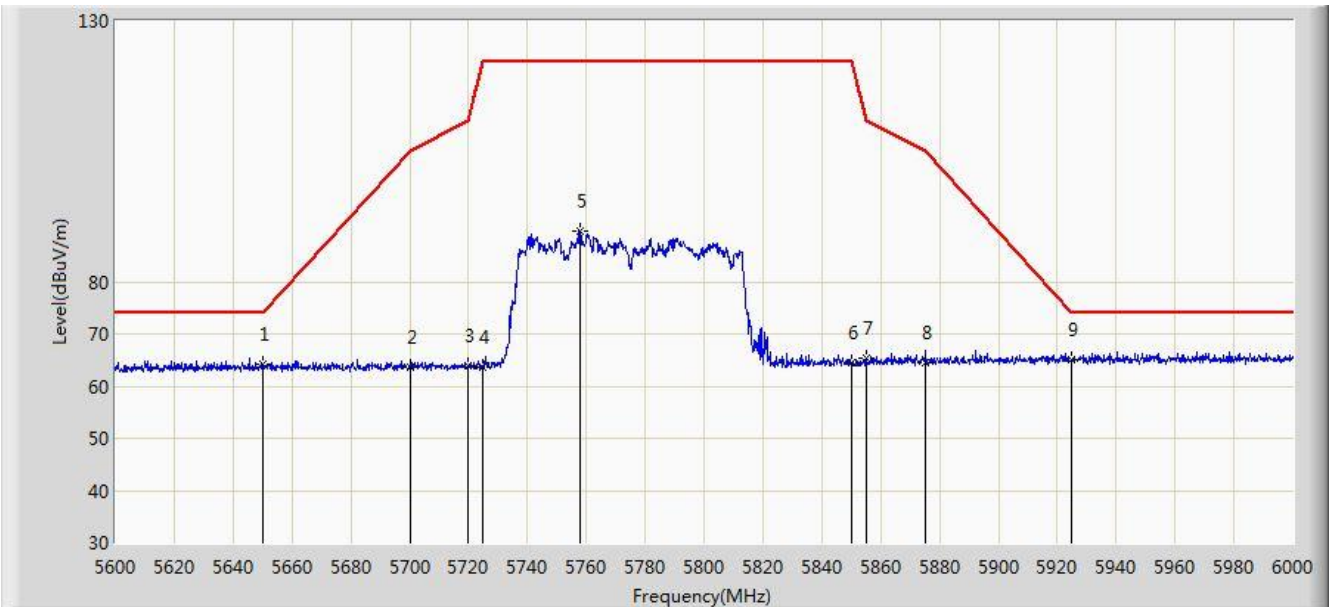| Site: AC1	Time: 2016/12/06 - 16:38
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	64.274	24.345	-9.726	74.000	39.929	PK
2			5700.000	63.562	23.505	-41.638	105.200	40.057	PK
3			5720.000	63.851	23.710	-46.949	110.800	40.141	PK
4			5725.000	63.723	23.559	-58.477	122.200	40.164	PK
5			5757.800	89.650	49.343	N/A	N/A	40.307	PK
6			5850.000	64.431	23.765	-57.769	122.200	40.666	PK
7			5855.000	65.484	24.806	-45.316	110.800	40.678	PK
8			5875.000	64.468	23.748	-40.732	105.200	40.720	PK
9		*	5925.000	65.215	24.423	-8.785	74.000	40.792	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: 2016/12/06 - 16:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US WI-FI AP 4X4 OD ext. antenna	Power: DC 54V
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz+5775MHz Ant 0 + 1 + 2 + 3	
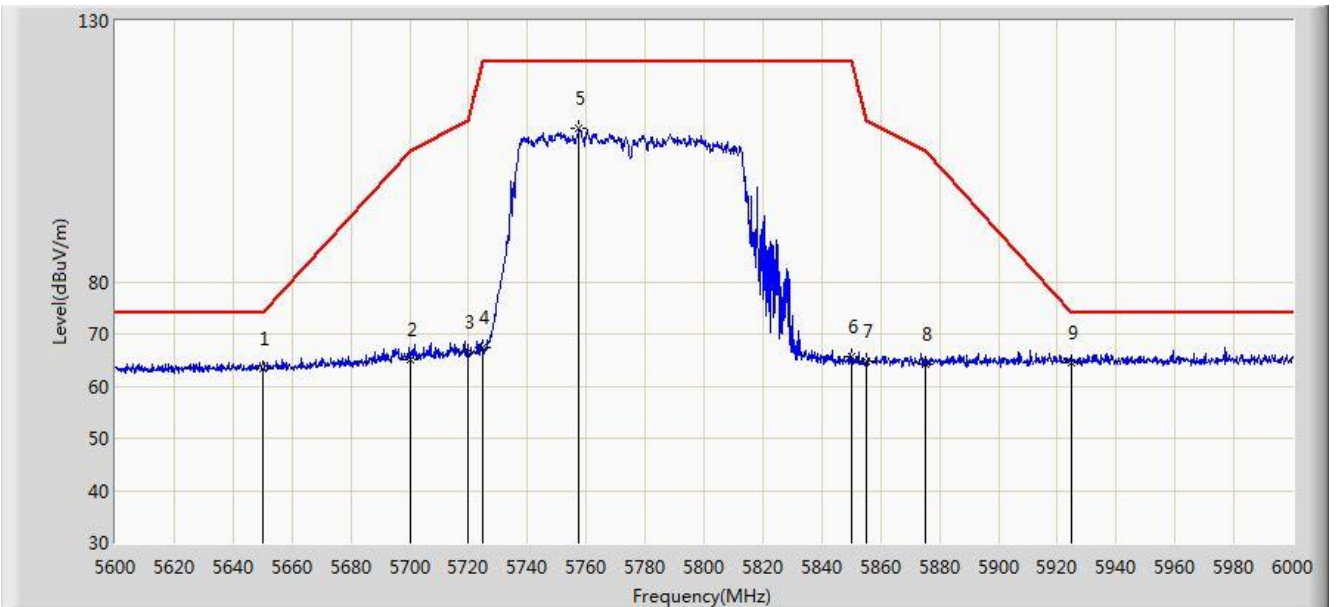
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	63.387	23.458	-10.613	74.000	39.929	PK
2			5700.000	65.089	25.032	-40.111	105.200	40.057	PK
3			5720.000	66.418	26.277	-44.382	110.800	40.141	PK
4			5725.000	67.366	27.202	-54.834	122.200	40.164	PK
5			5757.400	109.301	68.996	N/A	N/A	40.306	PK
6			5850.000	65.655	24.989	-56.545	122.200	40.666	PK
7			5855.000	64.736	24.058	-46.064	110.800	40.678	PK
8			5875.000	64.151	23.431	-41.049	105.200	40.720	PK
9		*	5925.000	64.585	23.793	-9.415	74.000	40.792	PK

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

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

———— The End ————