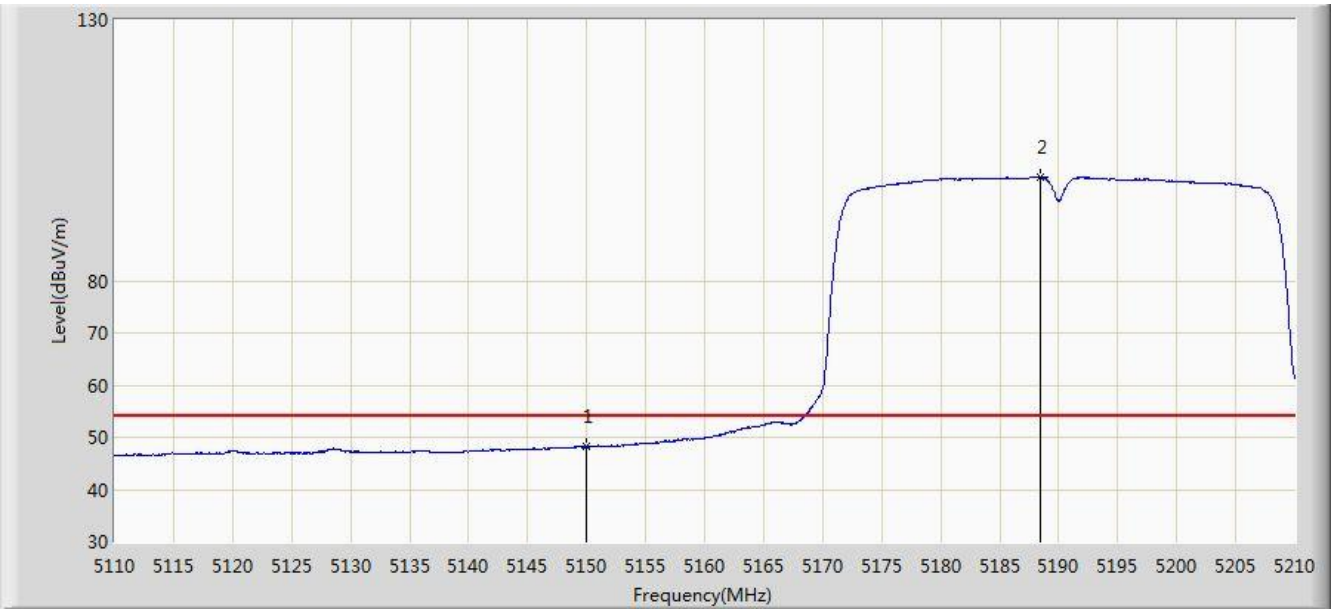
Site: AC1	Time: 2017/12/14 - 11:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 1	

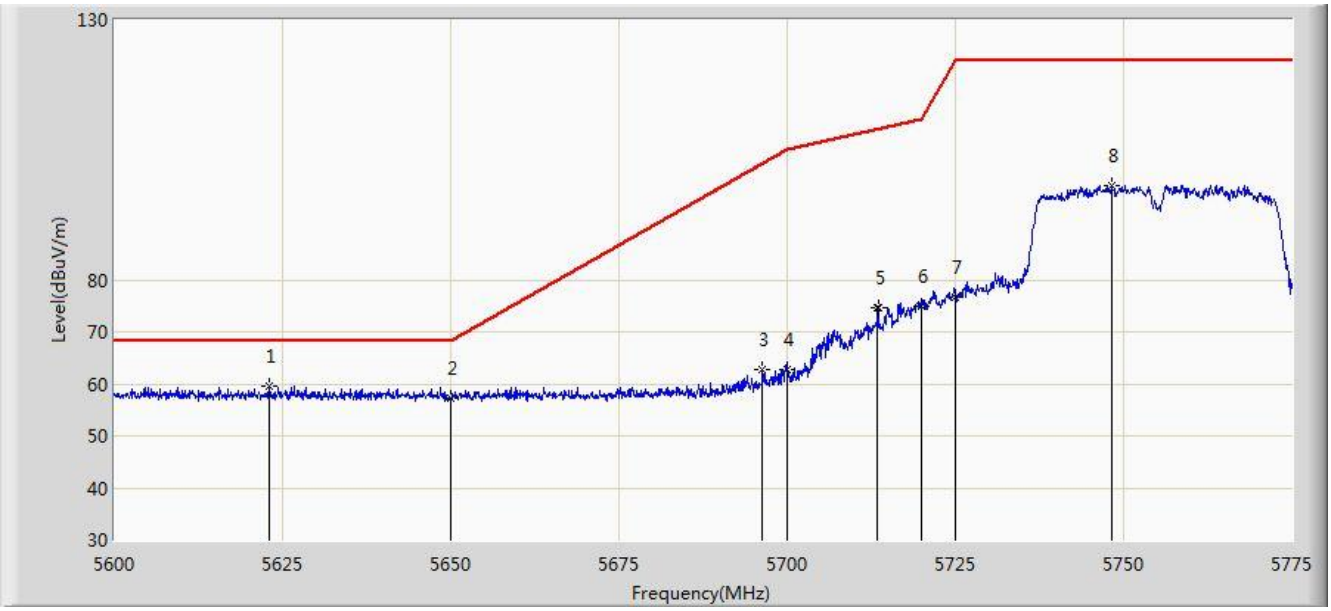


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.118	43.949	-5.882	54.000	4.170	AV
2		*	5188.500	99.862	95.823	N/A	N/A	4.039	AV

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: 2017/12/07 - 10:52
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 1	

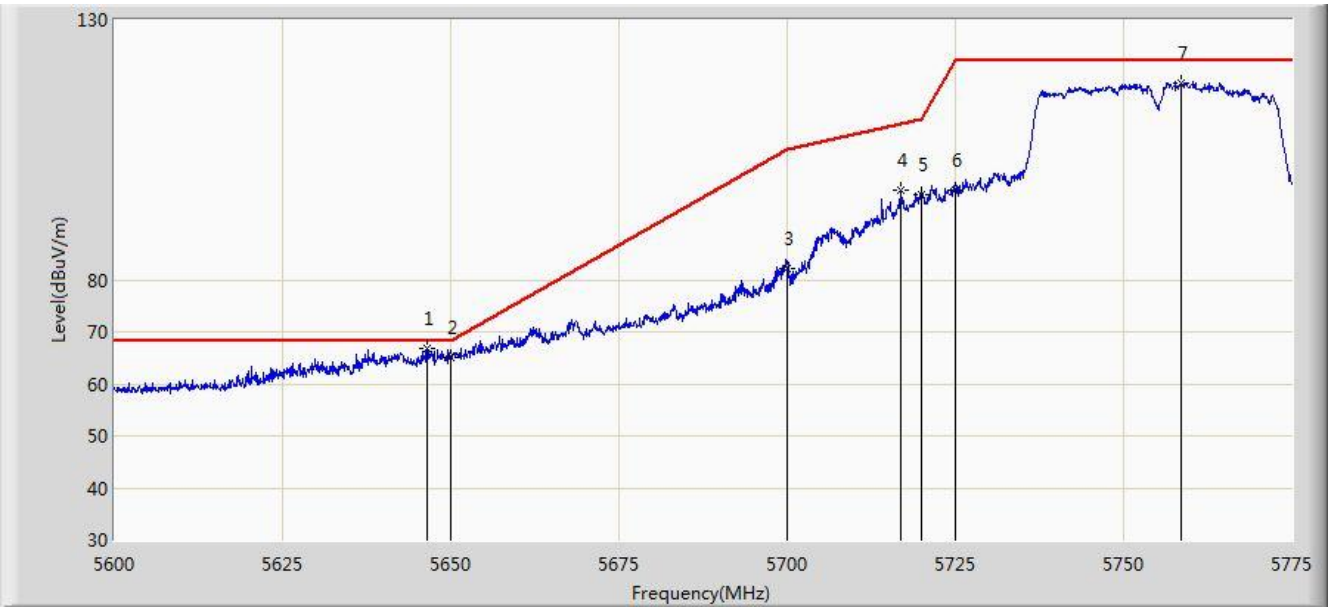


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5622.925	59.436	54.847	-8.764	68.200	4.589	PK
2			5650.000	57.205	52.534	-10.995	68.200	4.671	PK
3			5696.250	62.610	57.752	-39.826	102.436	4.859	PK
4			5700.000	62.750	57.872	-42.450	105.200	4.878	PK
5			5713.487	74.608	69.653	-34.371	108.979	4.955	PK
6			5720.000	74.887	69.890	-35.913	110.800	4.997	PK
7			5725.000	76.629	71.600	-45.571	122.200	5.029	PK
8			5748.225	98.249	93.076	N/A	N/A	5.173	PK

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

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

Site: AC1	Time: 2017/12/07 - 10:50
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 1	

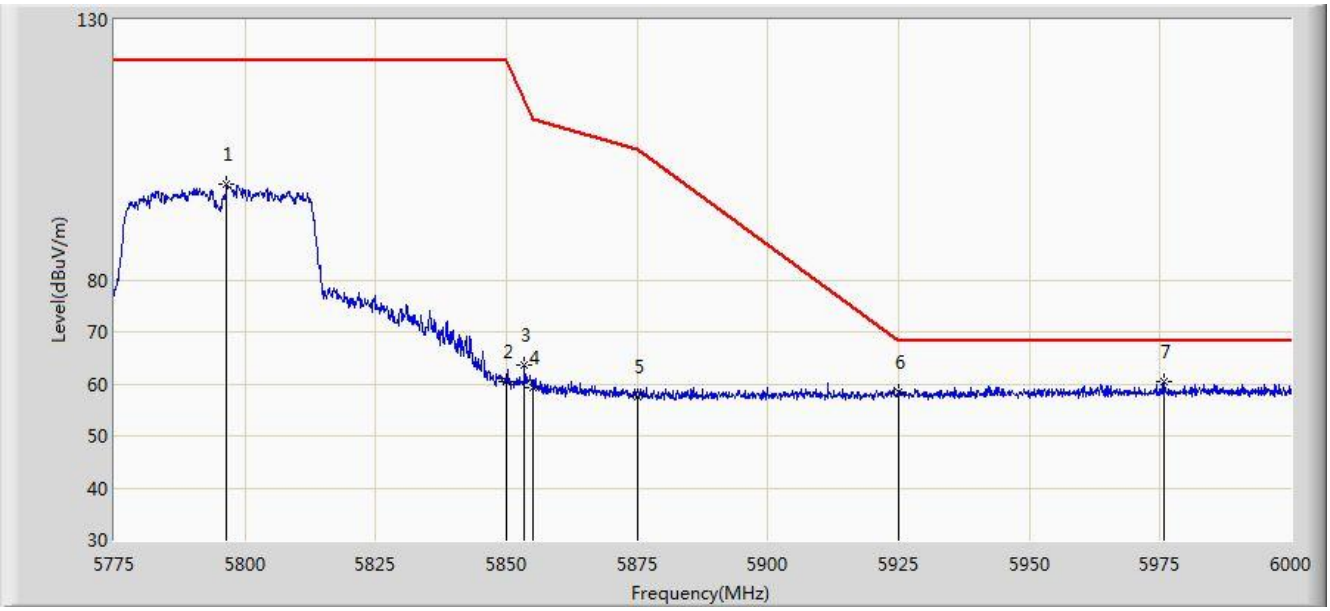


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5646.462	66.687	62.028	-1.513	68.200	4.659	PK
2			5650.000	65.121	60.450	-3.079	68.200	4.671	PK
3			5700.000	82.300	77.422	-22.900	105.200	4.878	PK
4			5716.900	97.105	92.128	-12.828	109.933	4.977	PK
5			5720.000	96.445	91.448	-14.355	110.800	4.997	PK
6			5725.000	97.223	92.194	-24.977	122.200	5.029	PK
7			5758.550	117.746	112.514	N/A	N/A	5.232	PK

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

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

Site: AC1	Time: 2017/12/07 - 10:55
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 1	

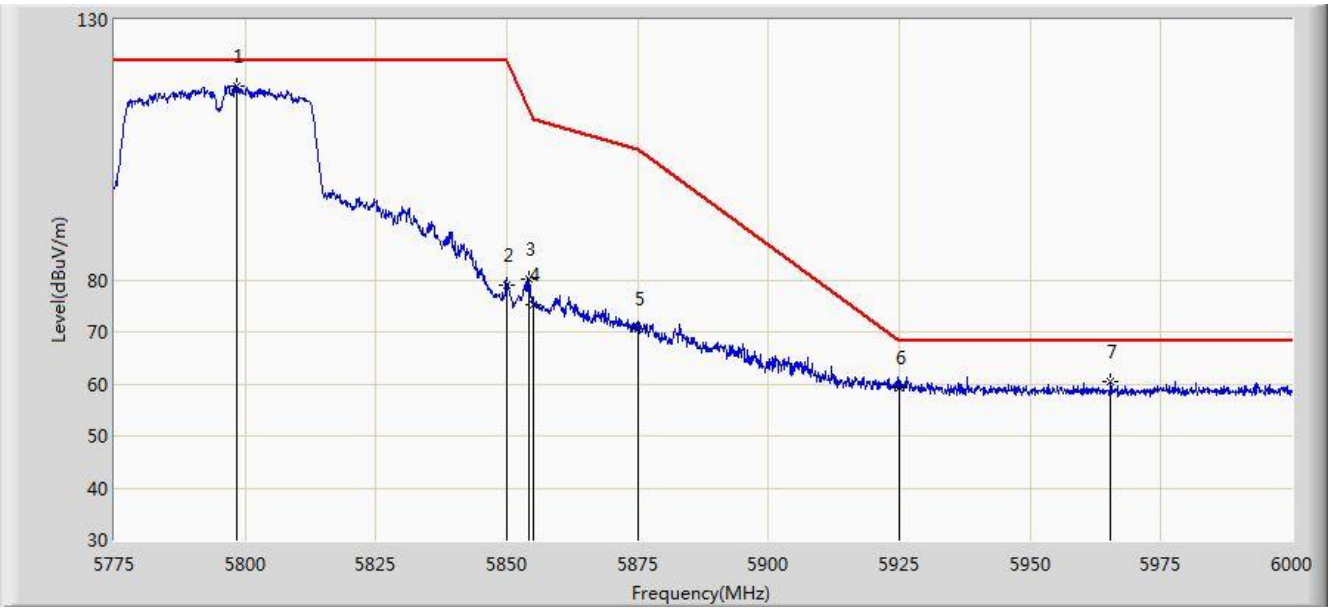


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5796.487	98.326	92.900	N/A	N/A	5.425	PK
2			5850.000	60.491	54.765	-61.709	122.200	5.726	PK
3			5853.413	63.578	57.838	-50.840	114.417	5.739	PK
4			5855.000	59.225	53.479	-51.575	110.800	5.746	PK
5			5875.000	57.470	51.650	-47.730	105.200	5.820	PK
6			5925.000	58.464	52.498	-9.736	68.200	5.967	PK
7		*	5975.700	60.316	54.246	-7.884	68.200	6.071	PK

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

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

Site: AC1	Time: 2017/12/07 - 10:53
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 1	

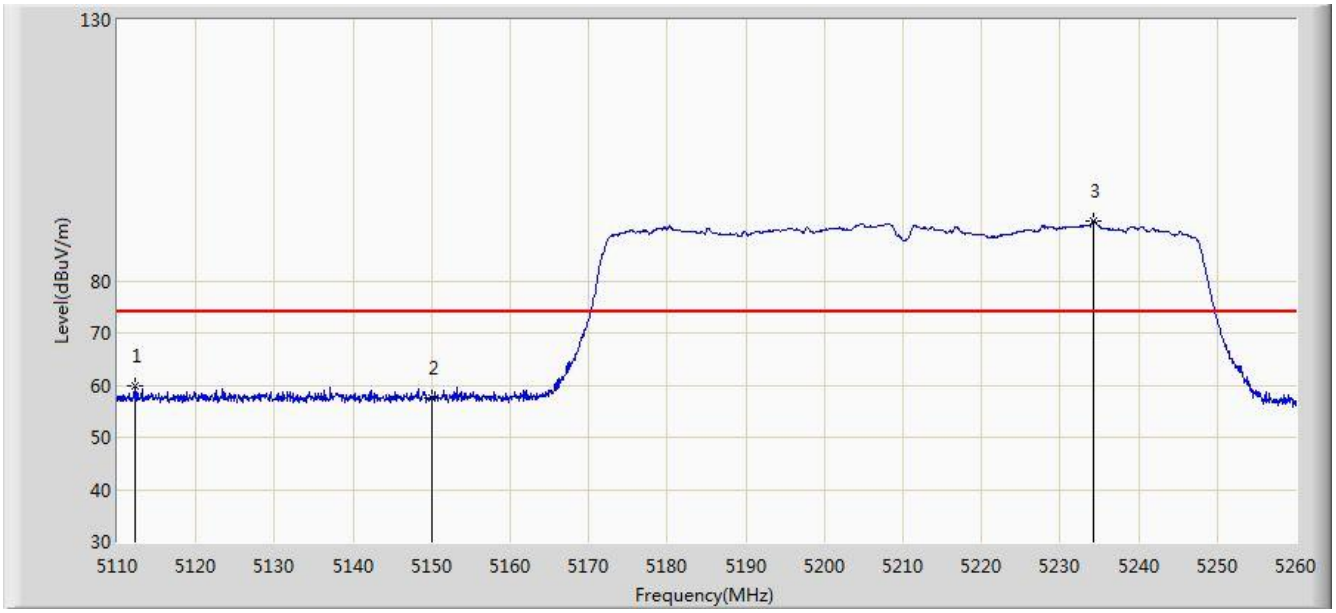


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5798.400	117.284	111.848	N/A	N/A	5.436	PK
2			5850.000	79.043	73.317	-43.157	122.200	5.726	PK
3			5854.312	80.188	74.445	-32.180	112.368	5.744	PK
4			5855.000	75.205	69.459	-35.595	110.800	5.746	PK
5			5875.000	70.442	64.622	-34.758	105.200	5.820	PK
6			5925.000	59.403	53.437	-8.797	68.200	5.967	PK
7			5965.350	60.305	54.252	-7.895	68.200	6.053	PK

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

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

Site: AC1	Time: 2017/12/14 - 11:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 1	

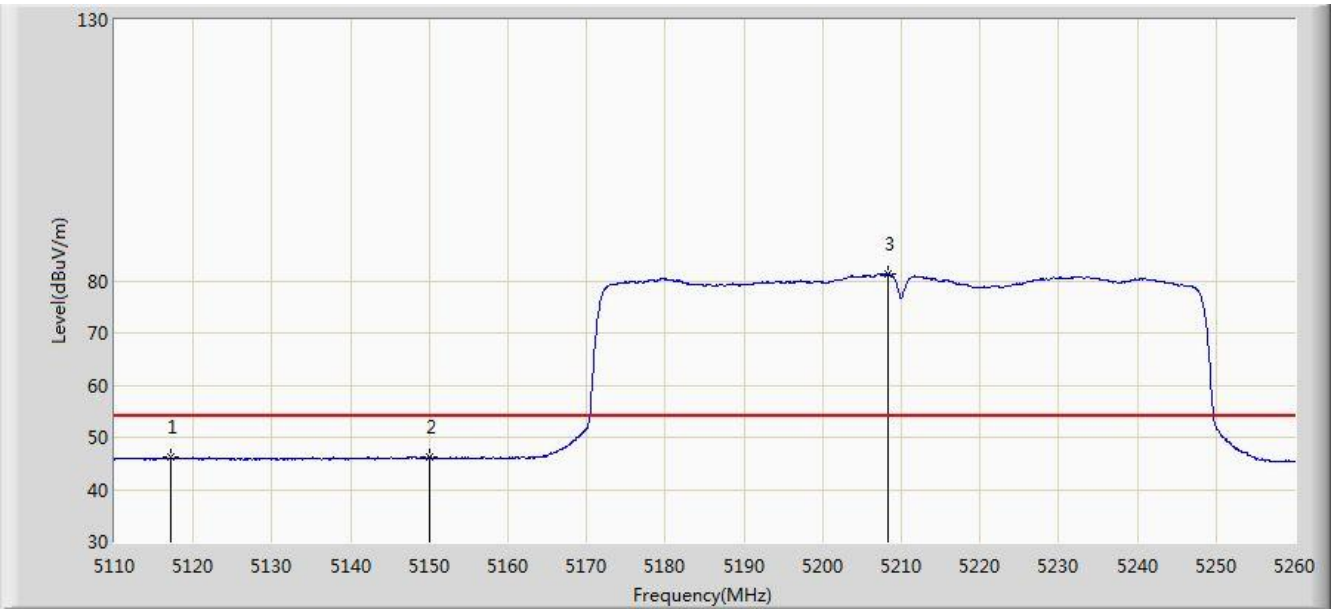


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5112.175	59.910	55.737	-14.090	74.000	4.173	PK
2			5150.000	57.423	53.254	-16.577	74.000	4.170	PK
3		*	5234.275	91.428	87.531	N/A	N/A	3.897	PK

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: 2017/12/14 - 11:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 1	

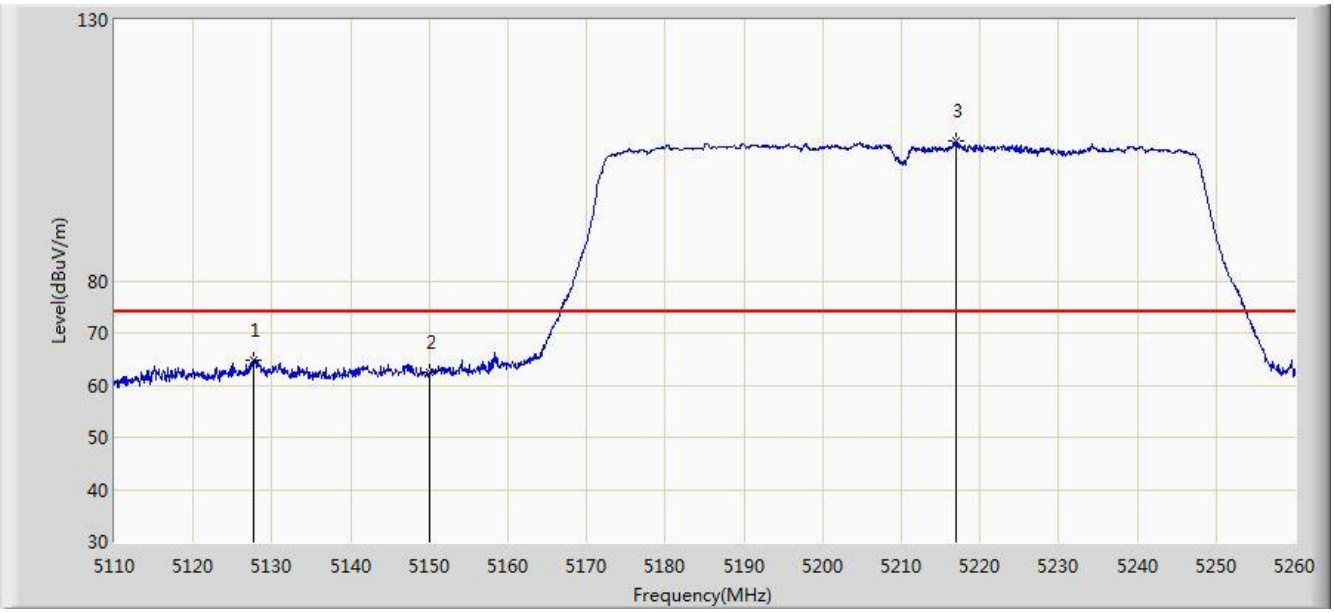


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5117.050	46.286	42.111	-7.714	54.000	4.174	AV
2			5150.000	46.122	41.953	-7.878	54.000	4.170	AV
3		*	5208.400	81.218	77.245	N/A	N/A	3.973	AV

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: 2017/12/14 - 11:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 1	

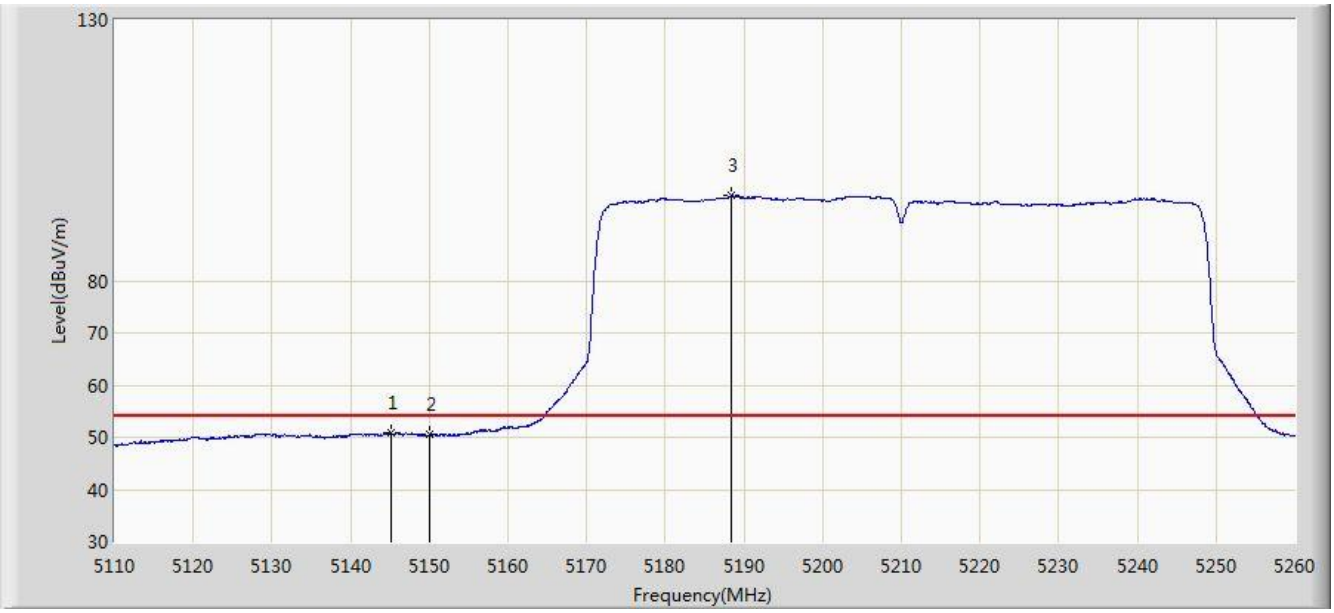


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5127.700	64.834	60.659	-9.166	74.000	4.175	PK
2			5150.000	62.321	58.152	-11.679	74.000	4.170	PK
3		*	5216.875	106.770	102.822	N/A	N/A	3.947	PK

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: 2017/12/14 - 11:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 1	

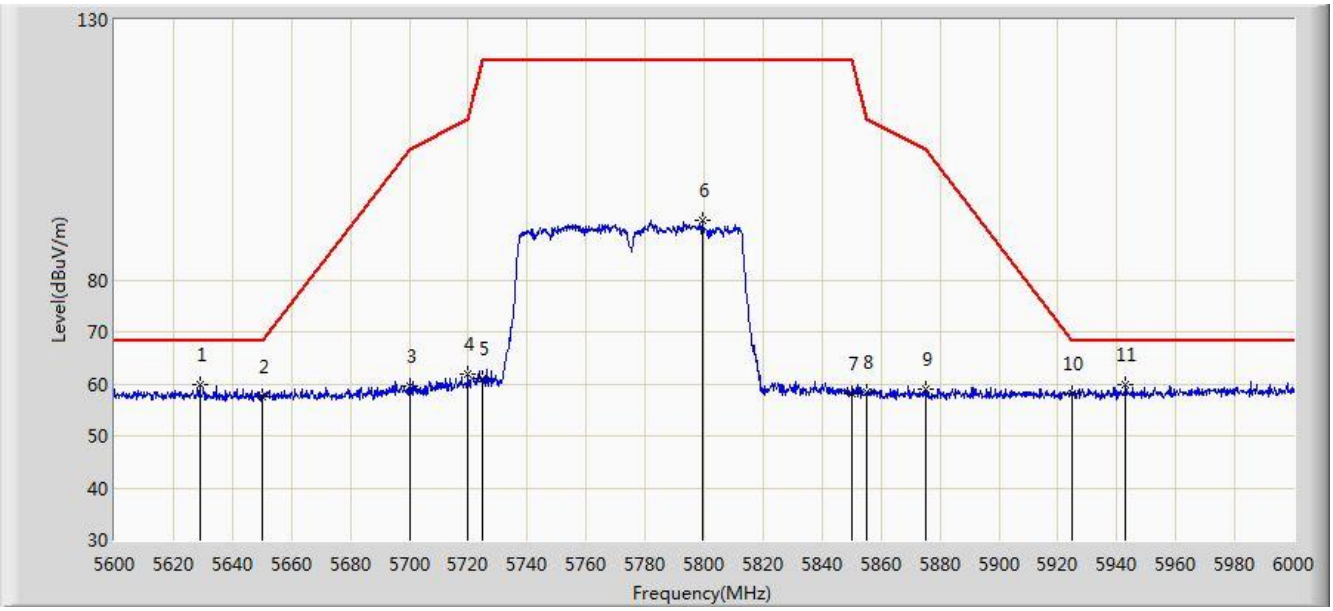


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.100	51.005	46.829	-2.995	54.000	4.176	AV
2			5150.000	50.468	46.299	-3.532	54.000	4.170	AV
3		*	5188.450	96.235	92.196	N/A	N/A	4.039	AV

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: 2017/12/07 - 11:27
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 1	

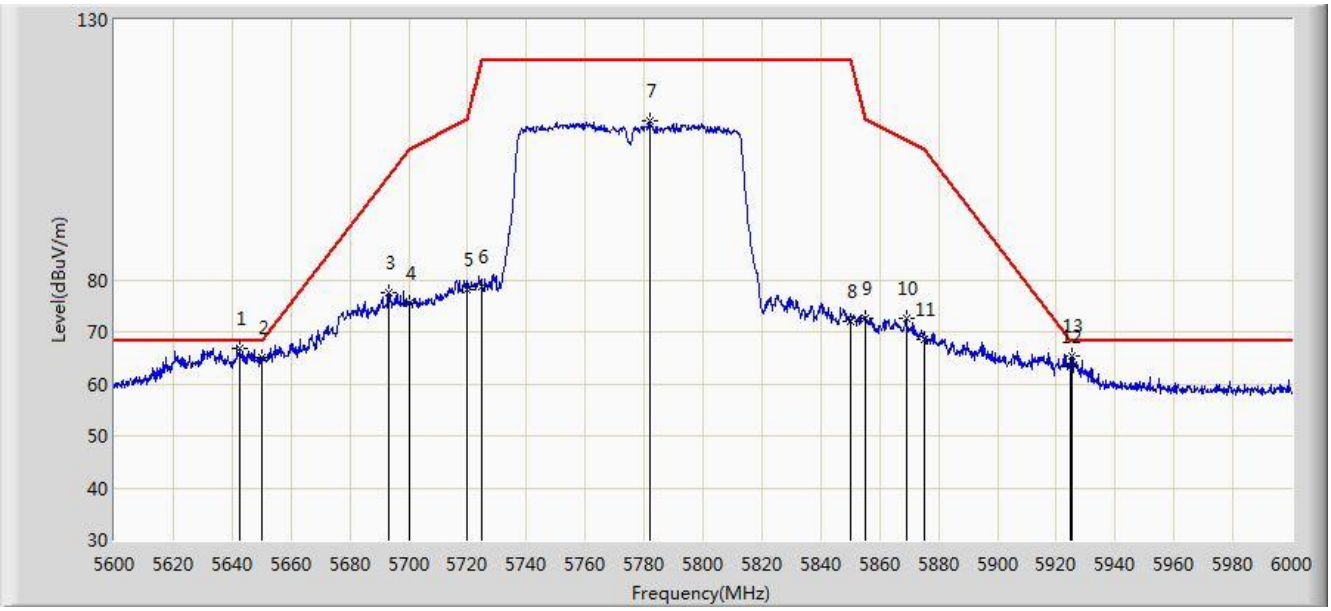


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5629.000	59.990	55.384	-8.210	68.200	4.607	PK
2			5650.000	57.420	52.749	-10.780	68.200	4.671	PK
3			5700.000	59.421	54.543	-45.779	105.200	4.878	PK
4			5720.000	61.796	56.799	-49.004	110.800	4.997	PK
5			5725.000	61.120	56.091	-61.080	122.200	5.029	PK
6			5799.400	91.408	85.966	N/A	N/A	5.442	PK
7			5850.000	58.061	52.335	-64.139	122.200	5.726	PK
8			5855.000	58.481	52.735	-52.319	110.800	5.746	PK
9			5875.000	58.891	53.071	-46.309	105.200	5.820	PK
10			5925.000	58.095	52.129	-10.105	68.200	5.967	PK
11			5943.000	59.948	53.937	-8.252	68.200	6.010	PK

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

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

Site: AC1	Time: 2017/12/07 - 11:25
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 1	

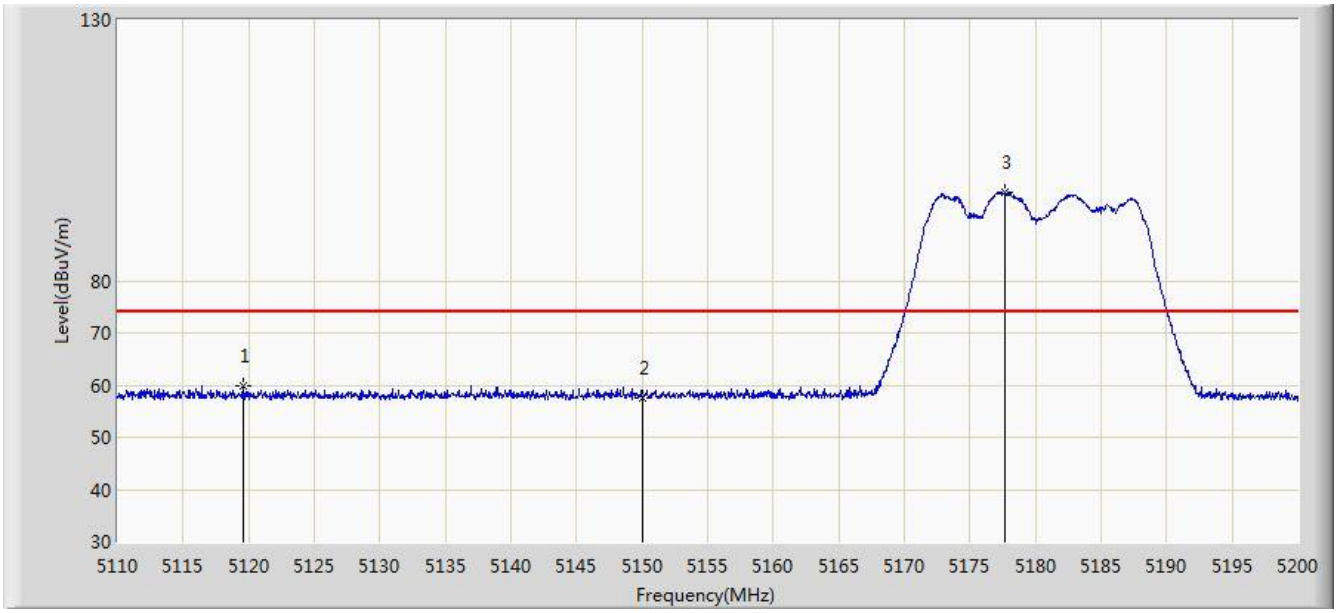


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5642.600	66.835	62.189	-1.365	68.200	4.646	PK
2			5650.000	65.122	60.451	-3.078	68.200	4.671	PK
3			5693.000	77.474	72.633	-22.566	100.040	4.841	PK
4			5700.000	75.550	70.672	-29.650	105.200	4.878	PK
5			5720.000	78.037	73.040	-32.763	110.800	4.997	PK
6			5725.000	78.736	73.707	-43.464	122.200	5.029	PK
7			5781.800	110.712	105.361	N/A	N/A	5.350	PK
8			5850.000	72.148	66.422	-50.052	122.200	5.726	PK
9			5855.000	72.568	66.822	-38.232	110.800	5.746	PK
10			5869.000	72.511	66.712	-34.367	106.878	5.799	PK
11			5875.000	68.484	62.664	-36.716	105.200	5.820	PK
12			5925.000	63.418	57.452	-4.782	68.200	5.967	PK
13			5925.400	65.281	59.314	-2.919	68.200	5.967	PK

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

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

Site: AC1	Time: 2017/12/14 - 11:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

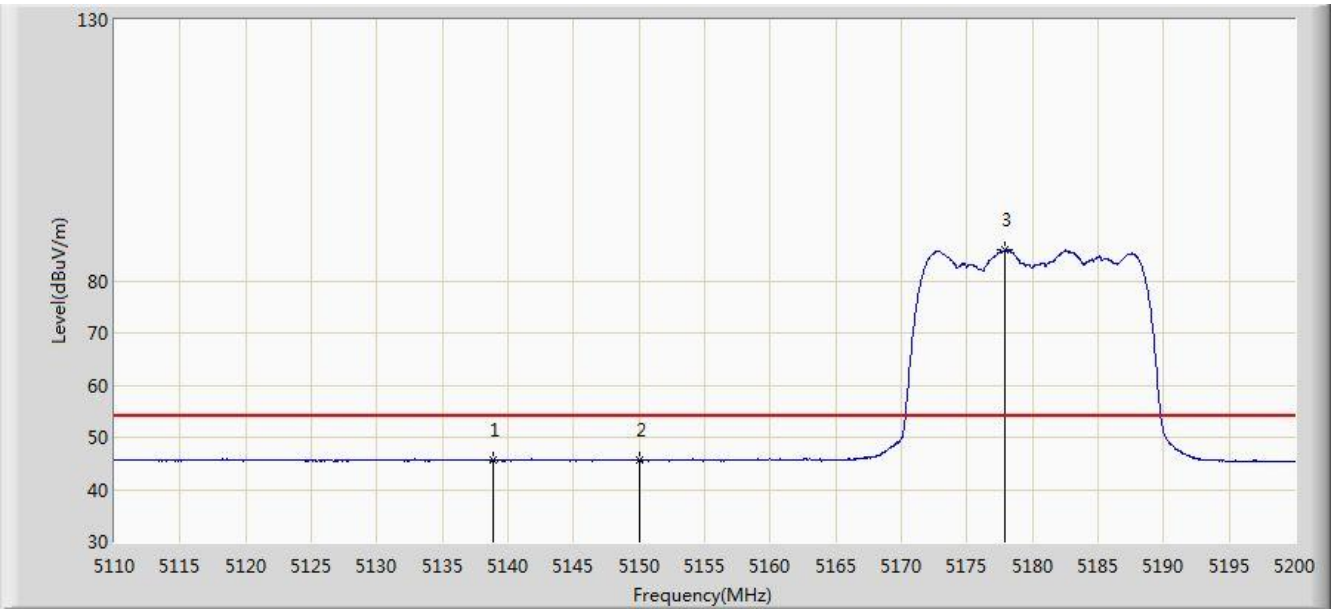


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5119.585	59.926	55.751	-14.074	74.000	4.174	PK
2			5150.000	57.501	53.332	-16.499	74.000	4.170	PK
3		*	5177.680	96.850	92.773	N/A	N/A	4.077	PK

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: 2017/12/14 - 11:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

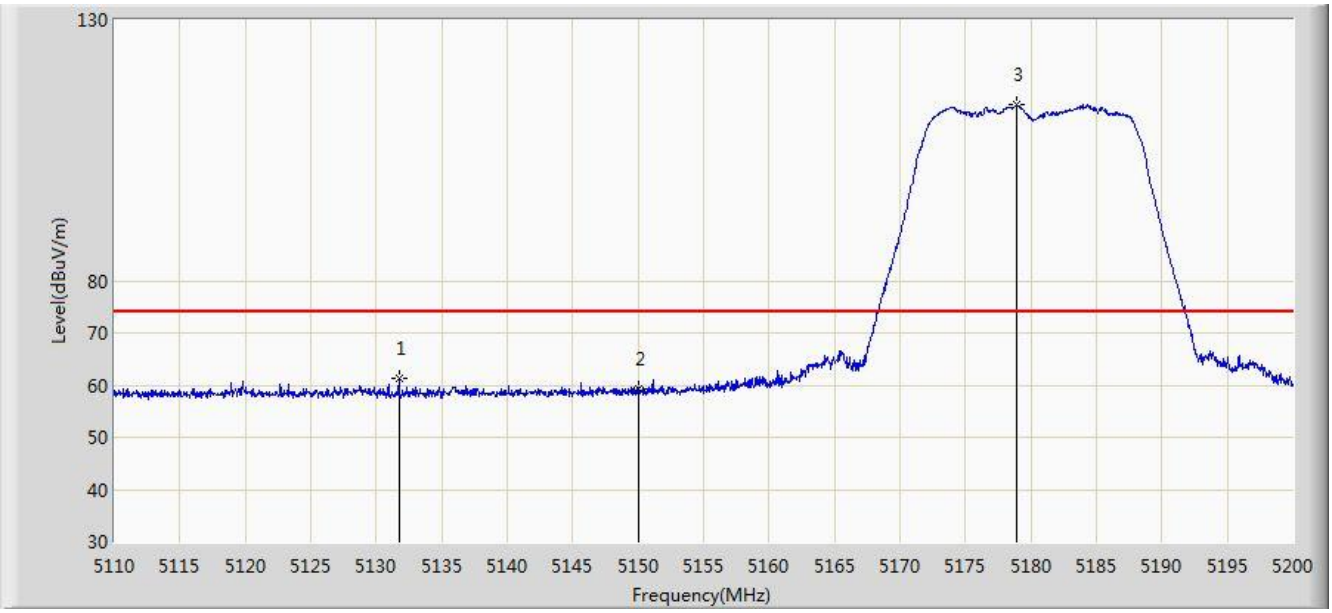


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5138.845	45.757	41.582	-8.243	54.000	4.175	AV
2			5150.000	45.660	41.491	-8.340	54.000	4.170	AV
3		*	5177.905	85.883	81.807	N/A	N/A	4.077	AV

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: 2017/12/14 - 11:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

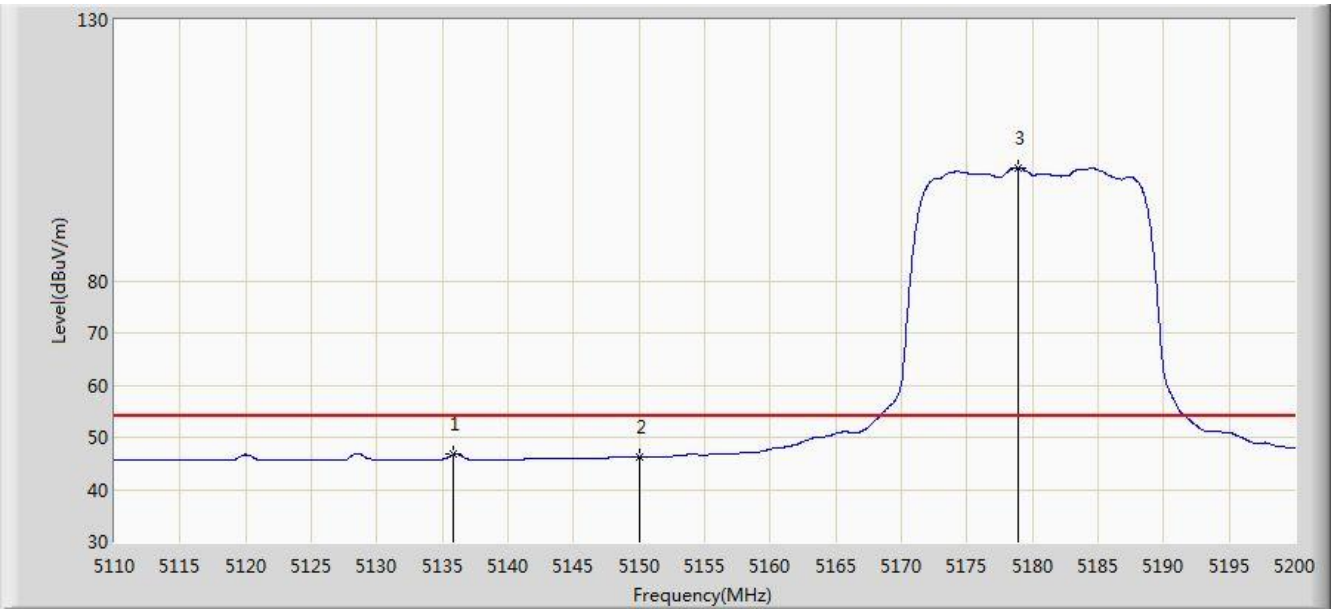


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5131.735	61.224	57.049	-12.776	74.000	4.174	PK
2			5150.000	59.384	55.215	-14.616	74.000	4.170	PK
3		*	5178.895	113.646	109.573	N/A	N/A	4.073	PK

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: 2017/12/14 - 11:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

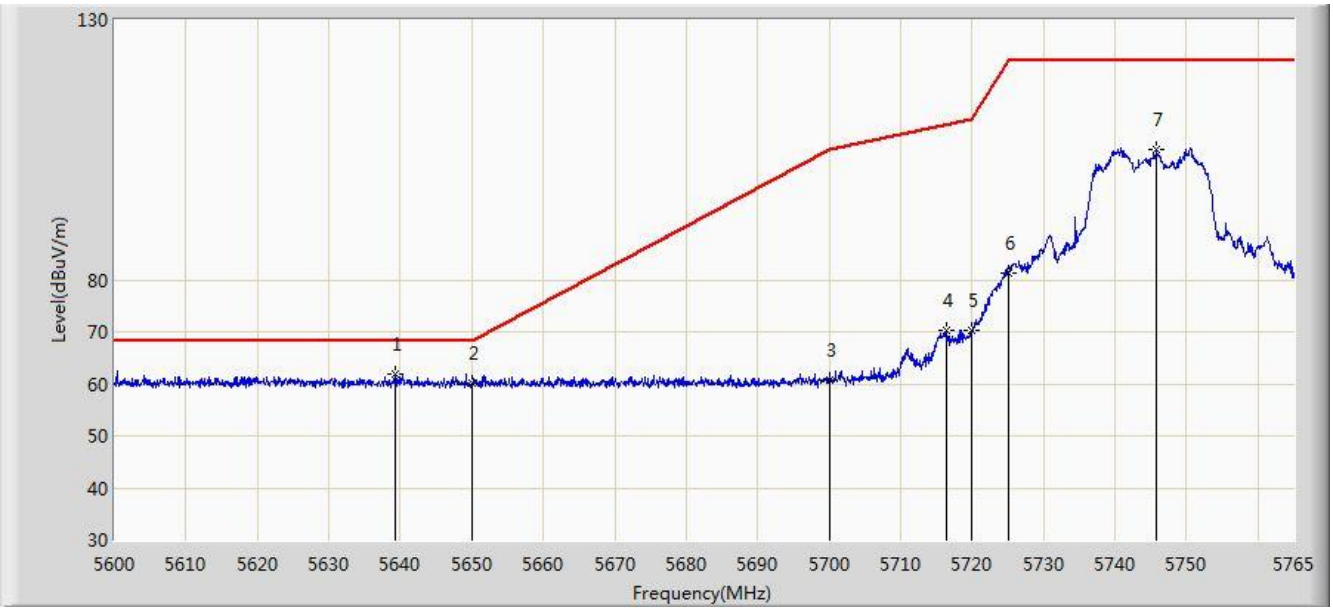


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5135.875	46.742	42.567	-7.258	54.000	4.175	AV
2			5150.000	46.175	42.006	-7.825	54.000	4.170	AV
3		*	5178.895	101.686	97.613	N/A	N/A	4.073	AV

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: 2017/12/07 - 17:04
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0 + 1 (CDD Mode)	

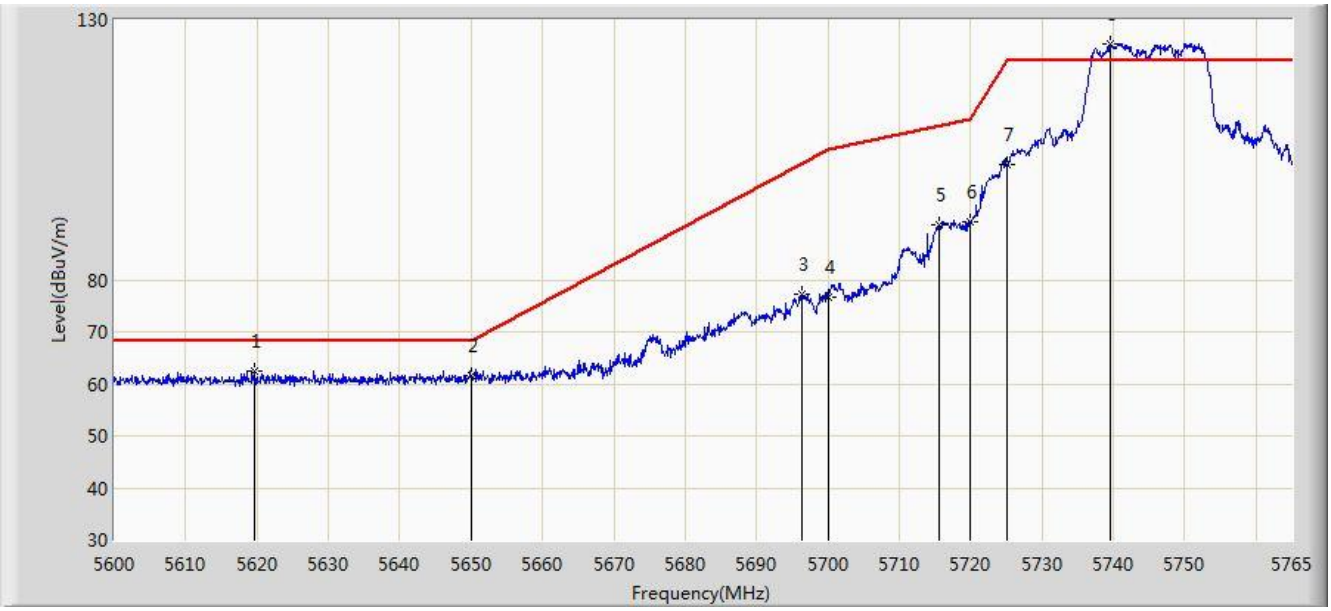


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5639.353	61.943	57.307	-6.257	68.200	4.635	PK
2			5650.000	60.041	55.370	-8.159	68.200	4.671	PK
3			5700.000	60.864	55.986	-44.336	105.200	4.878	PK
4			5716.325	70.258	65.285	-39.514	109.772	4.974	PK
5			5720.000	70.182	65.185	-40.618	110.800	4.997	PK
6			5725.000	81.180	76.151	-41.020	122.200	5.029	PK
7			5745.860	105.026	99.866	N/A	N/A	5.159	PK

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

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

Site: AC1	Time: 2017/12/07 - 17:02
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0 + 1 (CDD Mode)	

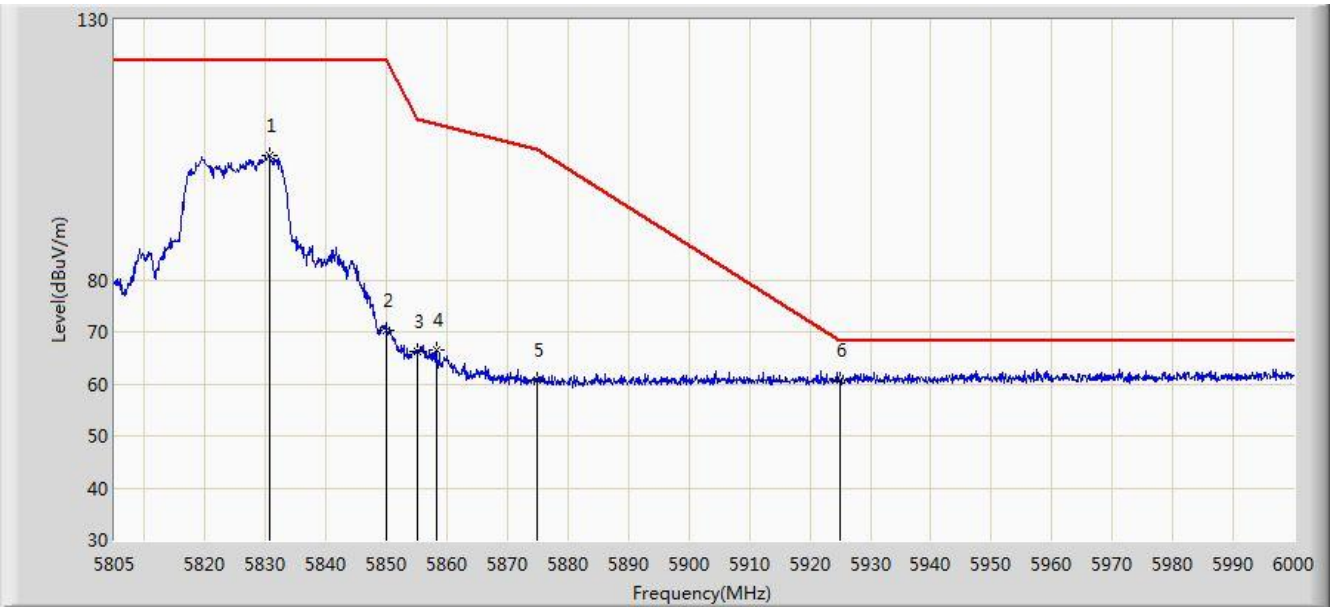


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5619.553	62.584	58.005	-5.616	68.200	4.580	PK
2			5650.000	61.703	57.032	-6.497	68.200	4.671	PK
3			5696.277	77.276	72.418	-25.180	102.456	4.859	PK
4			5700.000	76.661	71.783	-28.539	105.200	4.878	PK
5			5715.500	90.549	85.581	-18.993	109.542	4.968	PK
6			5720.000	91.271	86.274	-19.529	110.800	4.997	PK
7			5725.000	102.131	97.102	-20.069	122.200	5.029	PK
8		*	5739.507	125.498	120.377	N/A	N/A	5.122	PK

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

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

Site: AC1	Time: 2017/12/07 - 17:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0 + 1 (CDD Mode)	

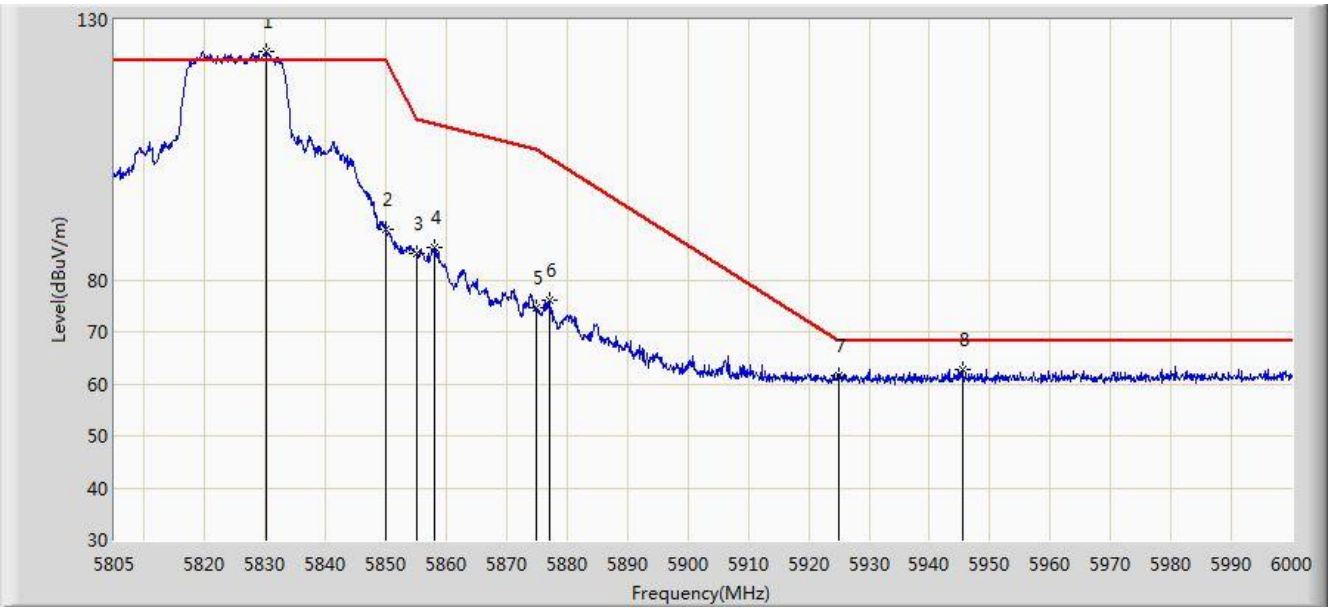


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5830.643	103.789	98.168	N/A	N/A	5.621	PK
2			5850.000	70.202	64.476	-51.998	122.200	5.726	PK
3			5855.000	66.094	60.348	-44.706	110.800	5.746	PK
4			5858.235	66.631	60.871	-43.262	109.893	5.760	PK
5			5875.000	60.752	54.932	-44.448	105.200	5.820	PK
6		*	5925.000	60.642	54.676	-7.558	68.200	5.967	PK

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

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

Site: AC1	Time: 2017/12/07 - 17:05
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0 + 1 (CDD Mode)	

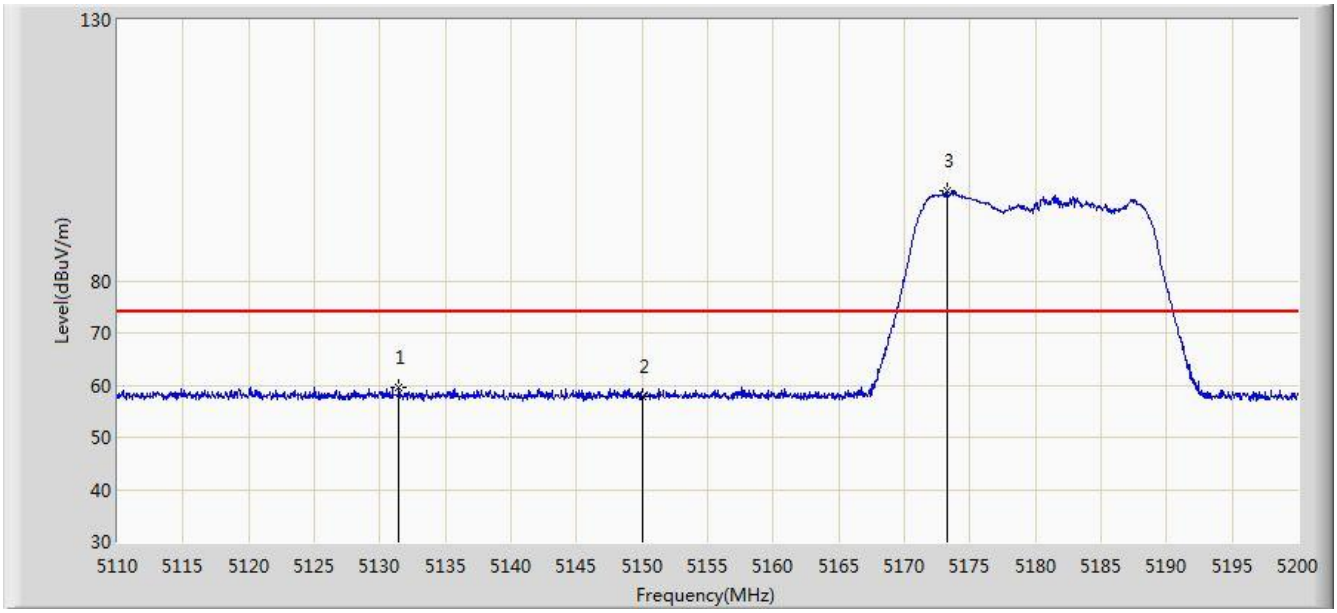


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5830.058	123.965	118.348	N/A	N/A	5.617	PK
2			5850.000	89.692	83.966	-32.508	122.200	5.726	PK
3			5855.000	85.105	79.359	-25.695	110.800	5.746	PK
4			5858.040	86.300	80.541	-23.648	109.948	5.759	PK
5			5875.000	74.523	68.703	-30.677	105.200	5.820	PK
6			5877.150	76.172	70.345	-27.430	103.603	5.827	PK
7			5925.000	61.655	55.689	-6.545	68.200	5.967	PK
8			5945.400	62.695	56.679	-5.505	68.200	6.016	PK

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

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

Site: AC1	Time: 2017/12/14 - 11:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

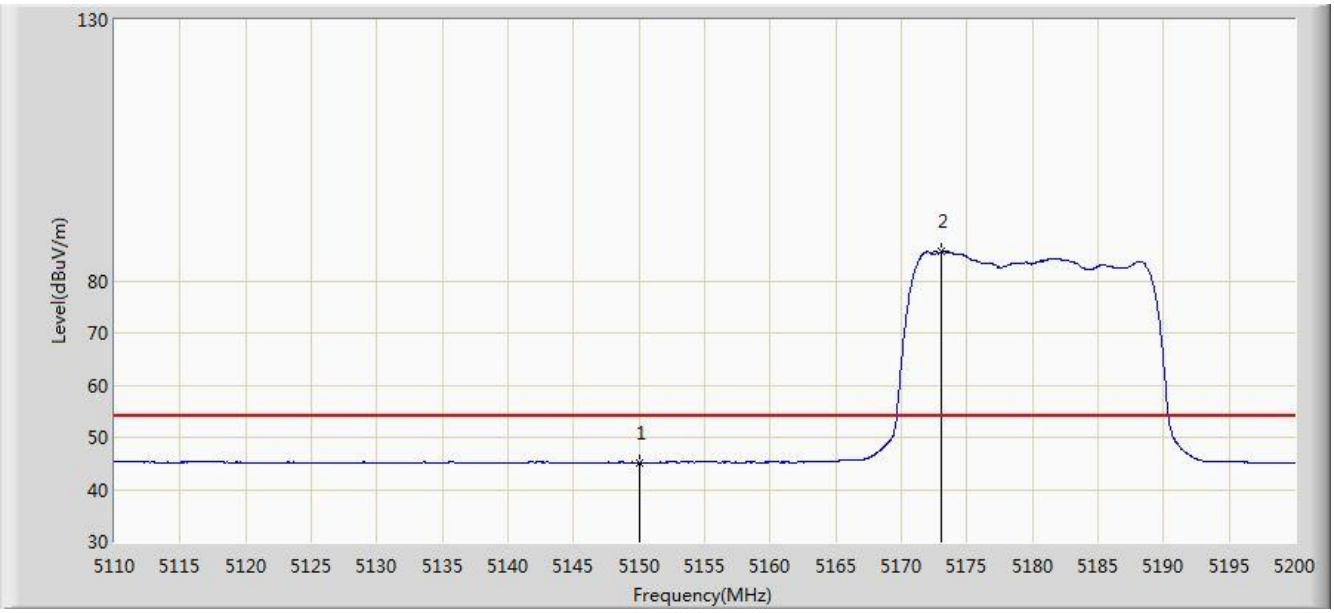


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5131.420	59.675	55.500	-14.325	74.000	4.175	PK
2			5150.000	57.938	53.769	-16.062	74.000	4.170	PK
3		*	5173.315	97.335	93.242	N/A	N/A	4.092	PK

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: 2017/12/14 - 11:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

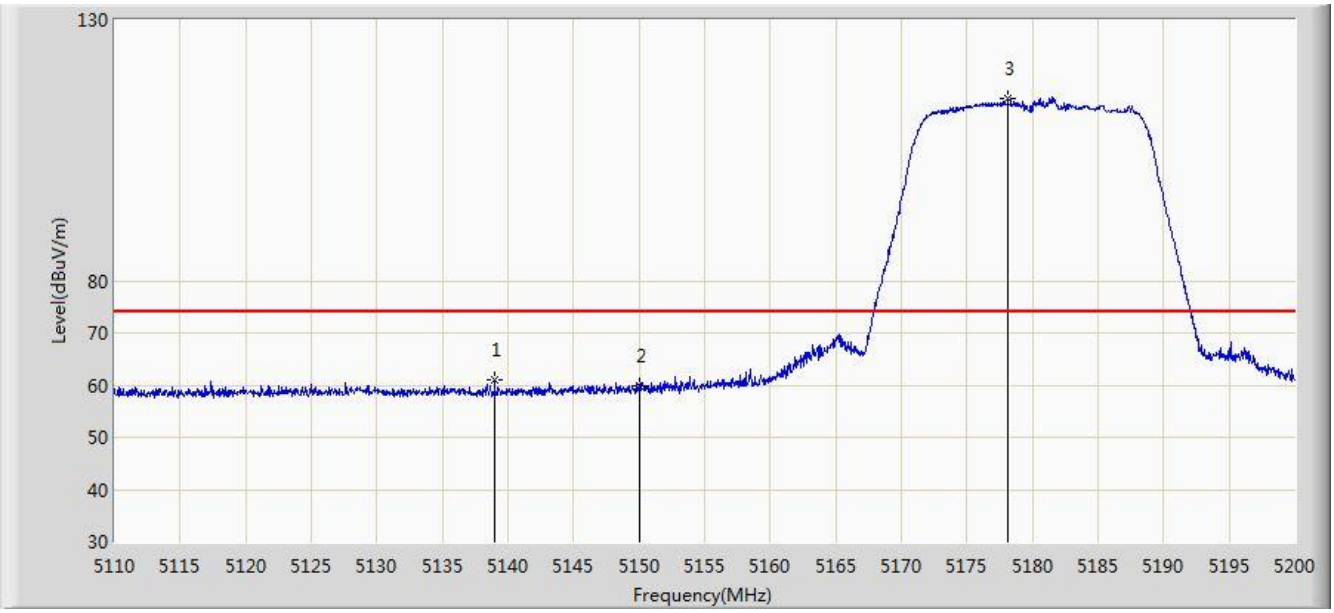


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.204	41.035	-8.796	54.000	4.170	AV
2		*	5173.090	85.534	81.441	N/A	N/A	4.093	AV

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: 2017/12/14 - 11:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0 + 1	

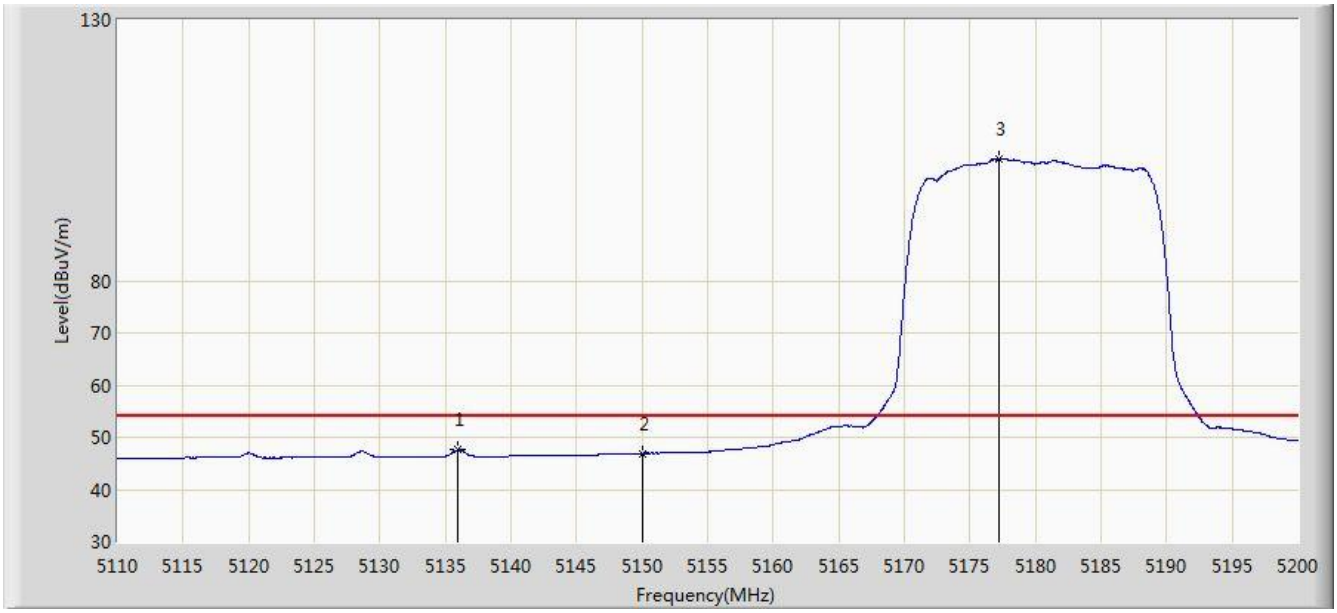


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5138.980	60.947	56.772	-13.053	74.000	4.175	PK
2			5150.000	59.960	55.791	-14.040	74.000	4.170	PK
3		*	5178.130	115.066	110.991	N/A	N/A	4.075	PK

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: 2017/12/14 - 11:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

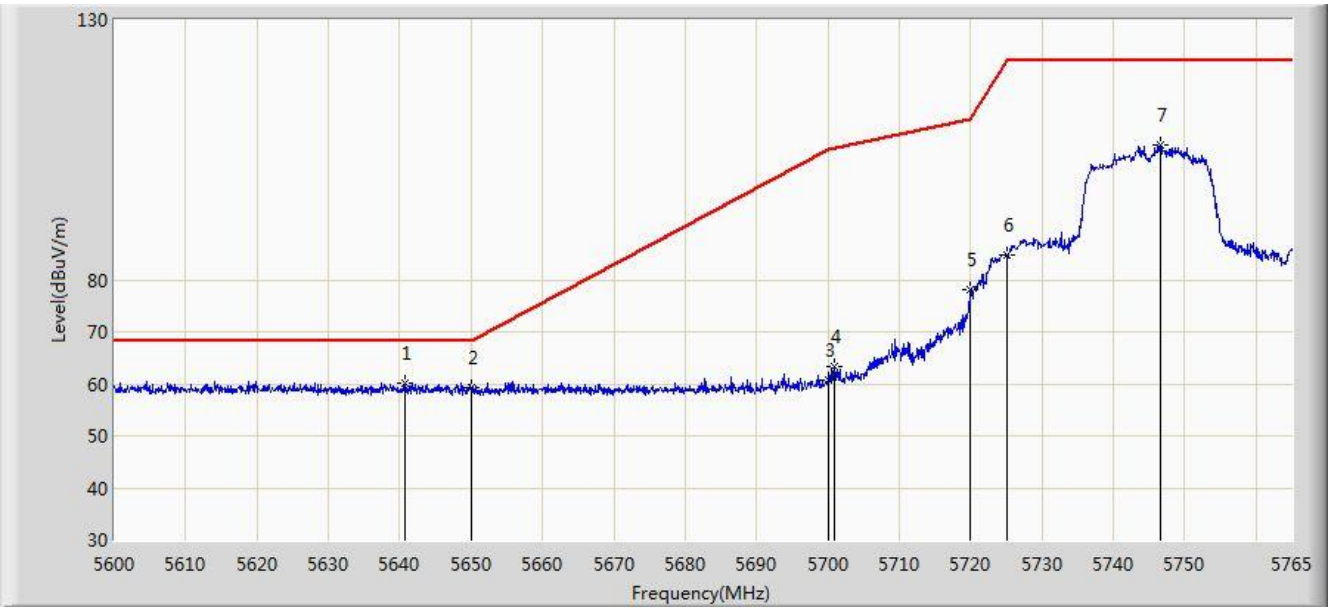


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5135.965	47.573	43.398	-6.427	54.000	4.175	AV
2			5150.000	46.898	42.729	-7.102	54.000	4.170	AV
3		*	5177.230	103.323	99.244	N/A	N/A	4.078	AV

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: 2017/12/07 - 18:05
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0 + 1 (CDD Mode)	

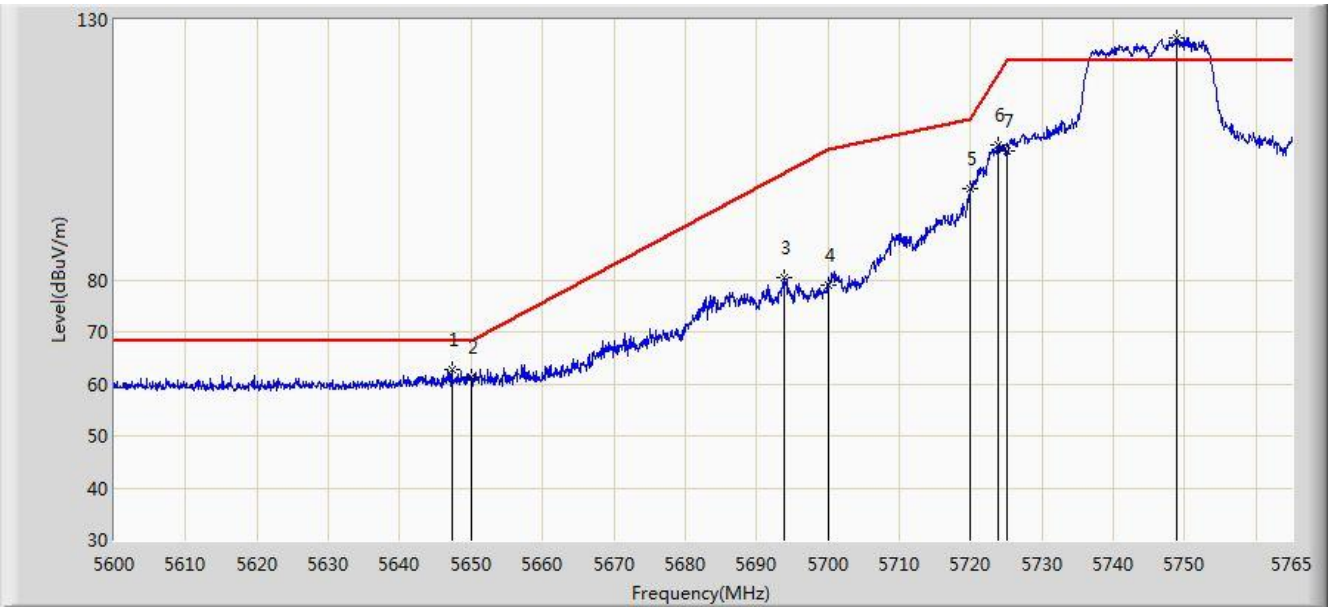


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5640.672	60.246	55.606	-7.954	68.200	4.641	PK
2			5650.000	59.160	54.489	-9.040	68.200	4.671	PK
3			5700.000	60.792	55.914	-44.408	105.200	4.878	PK
4			5700.897	63.277	58.394	-42.175	105.452	4.884	PK
5			5720.000	77.995	72.998	-32.805	110.800	4.997	PK
6			5725.000	84.690	79.661	-37.510	122.200	5.029	PK
7			5746.520	106.042	100.878	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) (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/07 - 18:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0 + 1 (CDD Mode)	

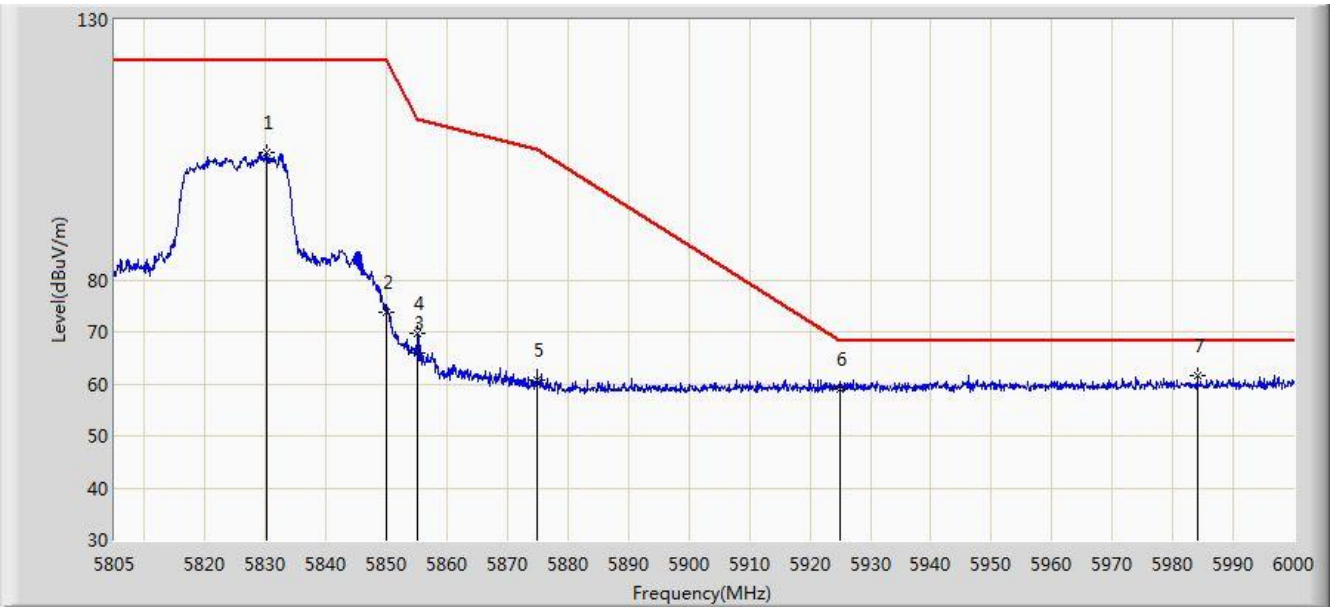


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.272	62.803	58.141	-5.397	68.200	4.662	PK
2			5650.000	61.342	56.671	-6.858	68.200	4.671	PK
3			5693.885	80.438	75.592	-20.255	100.692	4.846	PK
4			5700.000	79.003	74.125	-26.197	105.200	4.878	PK
5			5720.000	97.406	92.409	-13.394	110.800	4.997	PK
6			5723.750	105.995	100.974	-13.356	119.351	5.021	PK
7			5725.000	104.684	99.655	-17.516	122.200	5.029	PK
8		*	5748.830	126.535	121.358	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) (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/07 - 18:08
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0 + 1 (CDD Mode)	

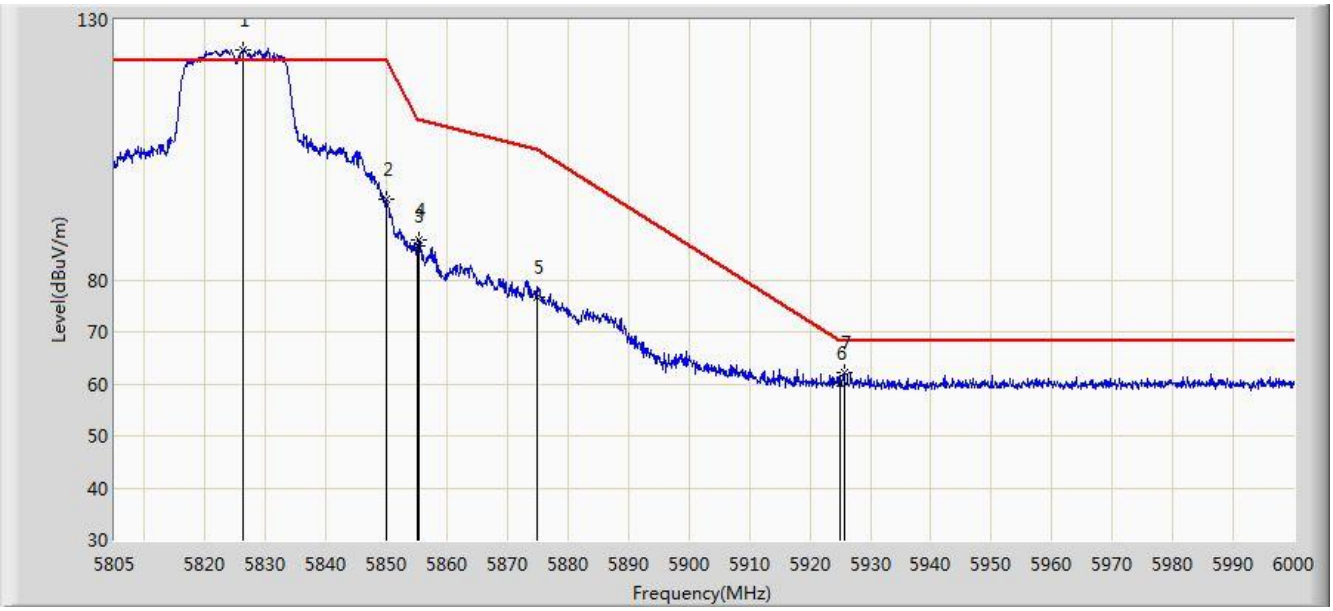


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5830.252	104.592	98.973	N/A	N/A	5.619	PK
2			5850.000	73.887	68.161	-48.313	122.200	5.726	PK
3			5855.000	65.836	60.090	-44.964	110.800	5.746	PK
4			5855.212	69.658	63.911	-41.082	110.741	5.746	PK
5			5875.000	60.840	55.020	-44.360	105.200	5.820	PK
6			5925.000	59.120	53.154	-9.080	68.200	5.967	PK
7		*	5984.010	61.670	55.586	-6.530	68.200	6.085	PK

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

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

Site: AC1	Time: 2017/12/07 - 18:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0 + 1 (CDD Mode)	

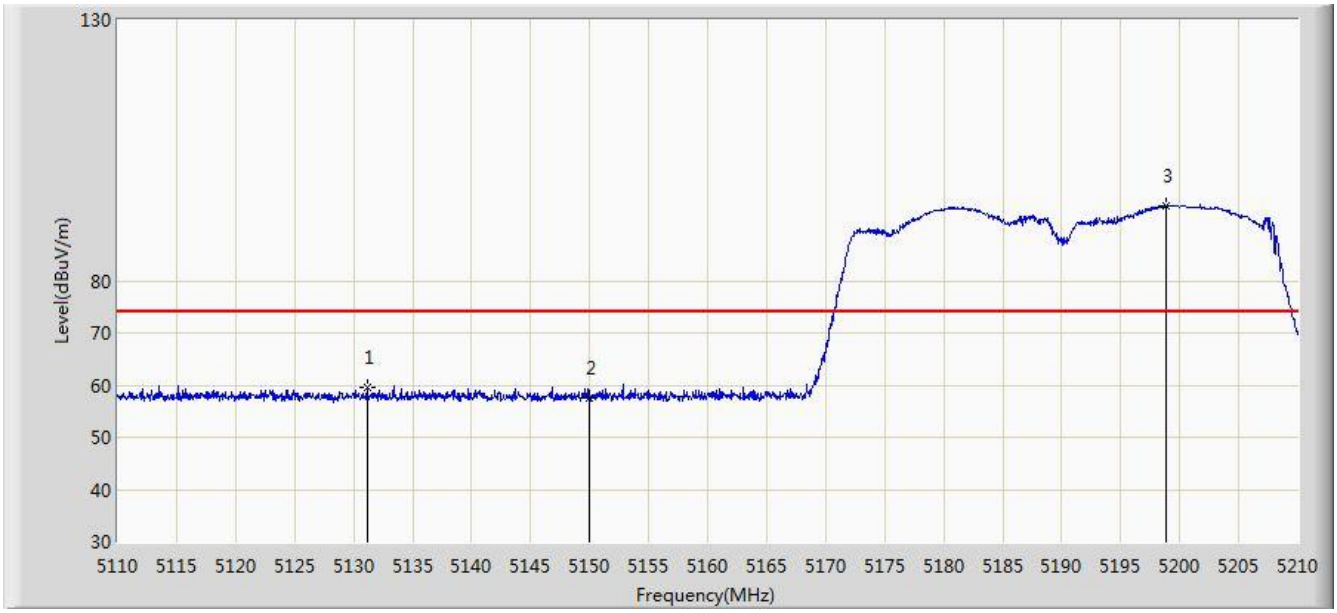


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.353	124.288	118.692	N/A	N/A	5.595	PK
2			5850.000	95.452	89.726	-26.748	122.200	5.726	PK
3			5855.000	86.536	80.790	-24.264	110.800	5.746	PK
4			5855.408	87.561	81.813	-23.125	110.686	5.749	PK
5			5875.000	76.670	70.850	-28.530	105.200	5.820	PK
6			5925.000	60.119	54.153	-8.081	68.200	5.967	PK
7			5925.607	62.227	56.259	-5.973	68.200	5.968	PK

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

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

Site: AC1	Time: 2017/12/14 - 11:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0 + 1 (CDD Mode)	

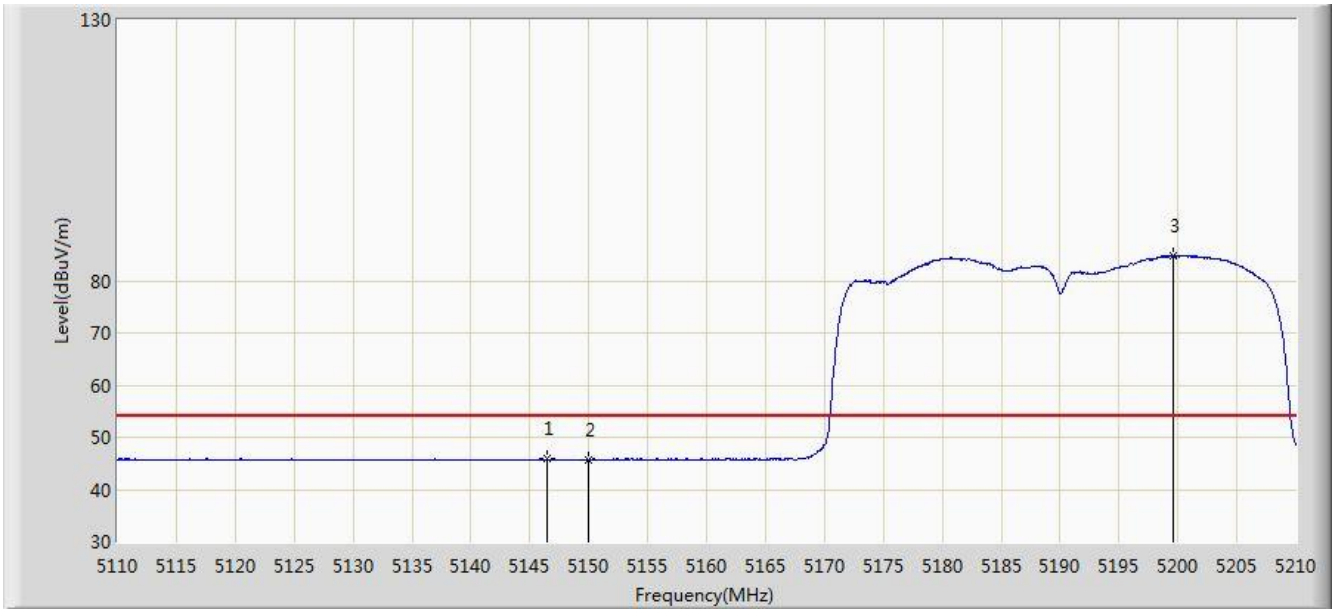


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5131.150	59.466	55.291	-14.534	74.000	4.175	PK
2			5150.000	57.528	53.359	-16.472	74.000	4.170	PK
3		*	5198.900	94.471	90.469	N/A	N/A	4.001	PK

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: 2017/12/14 - 11:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0 + 1 (CDD Mode)	

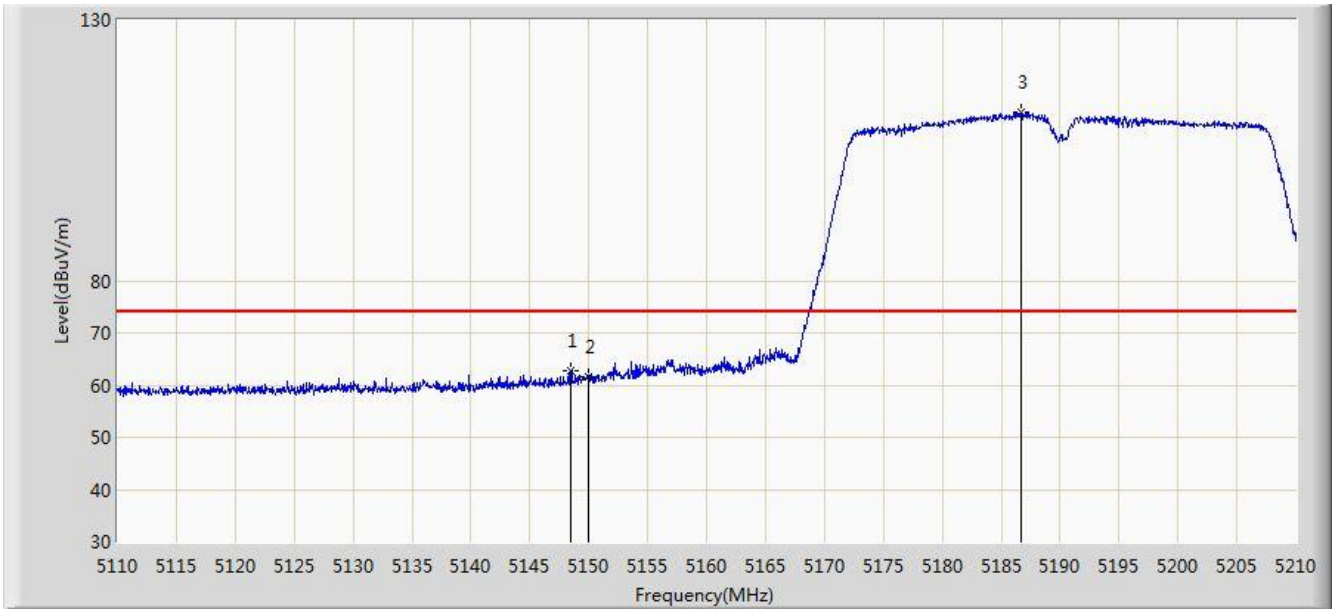


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.500	45.844	41.668	-8.156	54.000	4.176	AV
2			5150.000	45.772	41.603	-8.228	54.000	4.170	AV
3		*	5199.650	84.812	80.813	N/A	N/A	3.999	AV

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: 2017/12/14 - 11:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0 + 1 (CDD Mode)	

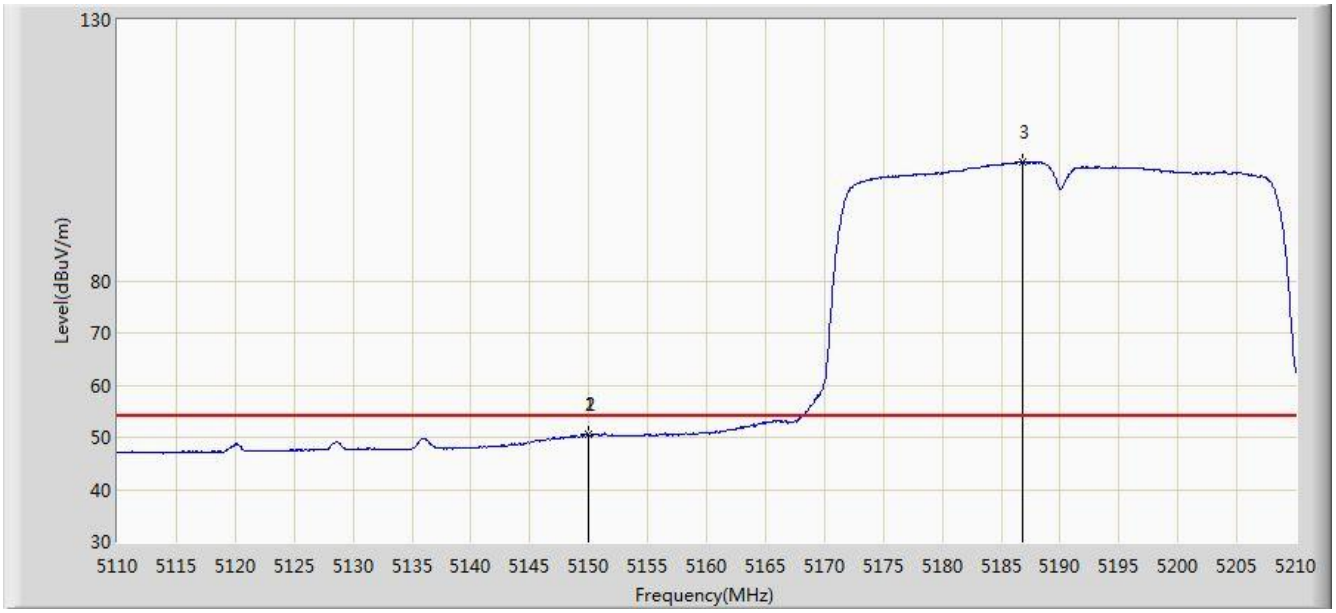


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.450	62.735	58.561	-11.265	74.000	4.174	PK
2			5150.000	61.499	57.330	-12.501	74.000	4.170	PK
3		*	5186.750	112.394	108.349	N/A	N/A	4.045	PK

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: 2017/12/14 - 11:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0 + 1 (CDD Mode)	

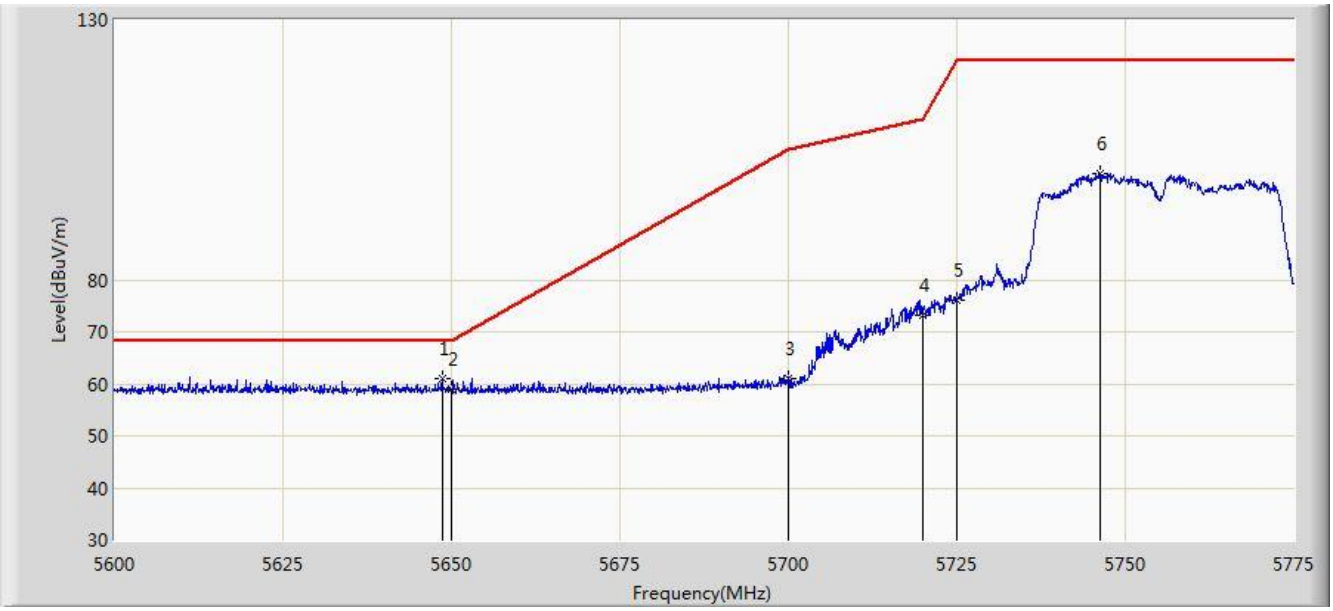


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.950	50.714	46.545	-3.286	54.000	4.170	AV
2			5150.000	50.549	46.380	-3.451	54.000	4.170	AV
3		*	5186.800	102.765	98.720	N/A	N/A	4.045	AV

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: 2017/12/08 - 04:56
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0 + 1 (CDD Mode)	

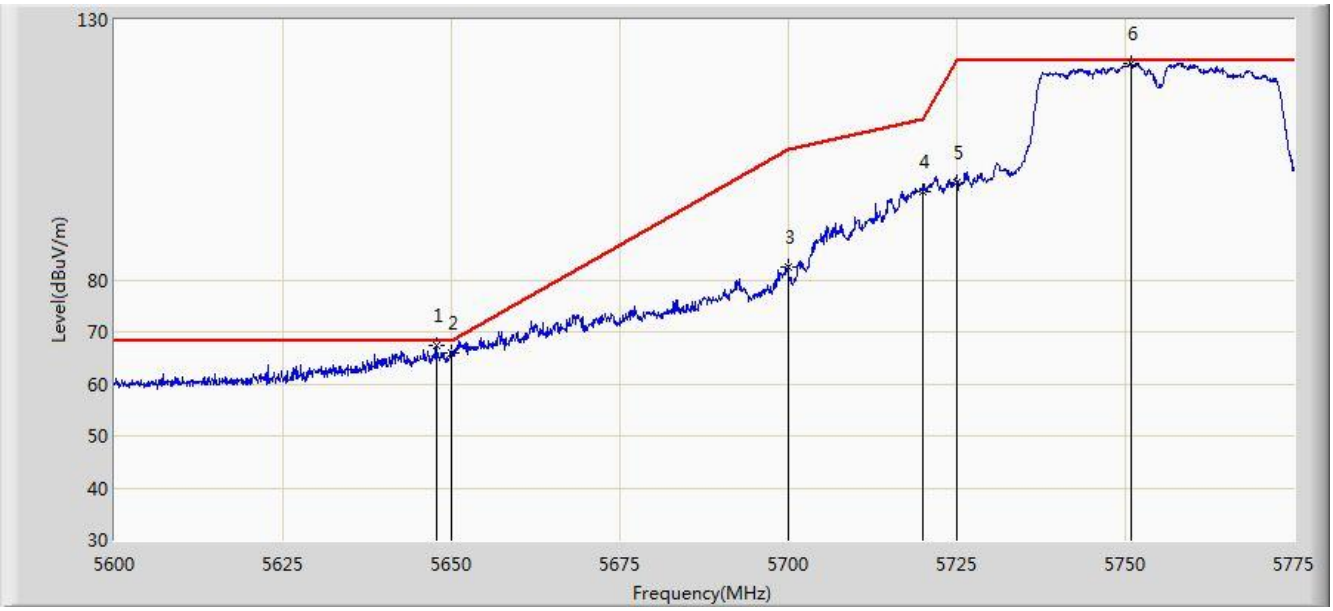


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5648.650	60.908	56.242	-7.292	68.200	4.666	PK
2			5650.000	59.021	54.350	-9.179	68.200	4.671	PK
3			5700.000	61.058	56.180	-44.142	105.200	4.878	PK
4			5720.000	73.243	68.246	-37.557	110.800	4.997	PK
5			5725.000	76.066	71.037	-46.134	122.200	5.029	PK
6			5746.300	100.514	95.352	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) (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/08 - 04:53
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0 + 1 (CDD Mode)	

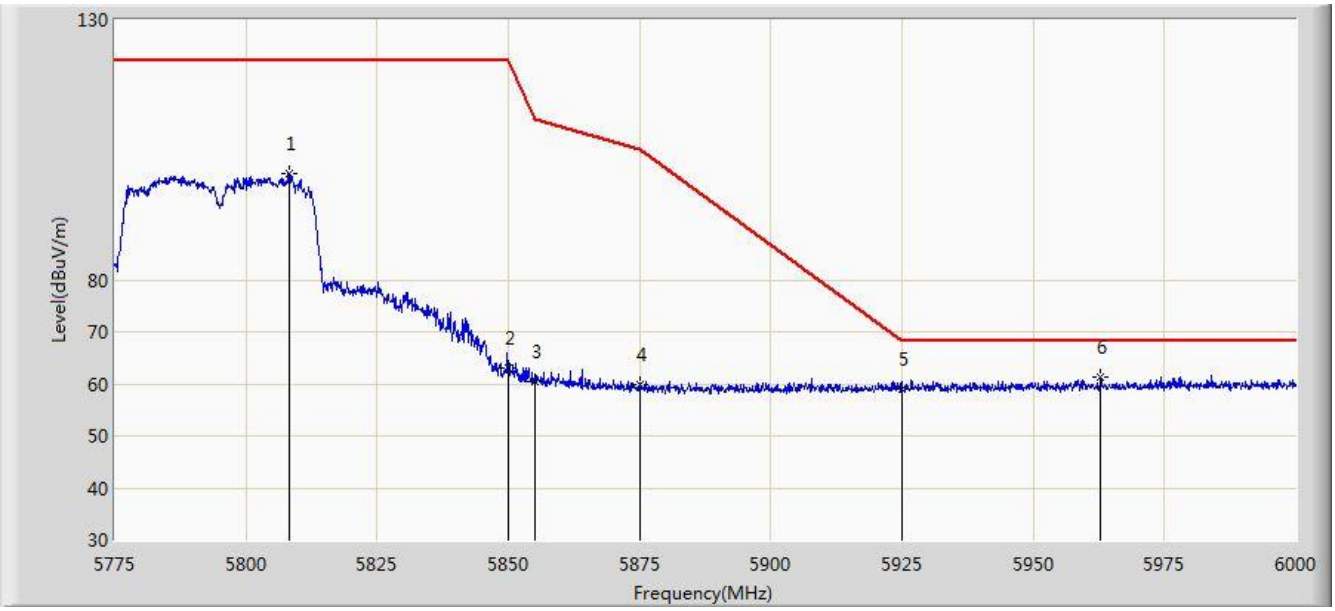


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.775	67.270	62.606	-0.930	68.200	4.663	PK
2			5650.000	65.917	61.246	-2.283	68.200	4.671	PK
3			5700.000	82.446	77.568	-22.754	105.200	4.878	PK
4			5720.000	96.945	91.948	-13.855	110.800	4.997	PK
5			5725.000	98.797	93.768	-23.403	122.200	5.029	PK
6		*	5750.937	121.599	116.410	N/A	N/A	5.188	PK

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

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

Site: AC1	Time: 2017/12/08 - 04:59
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0 + 1 (CDD Mode)	

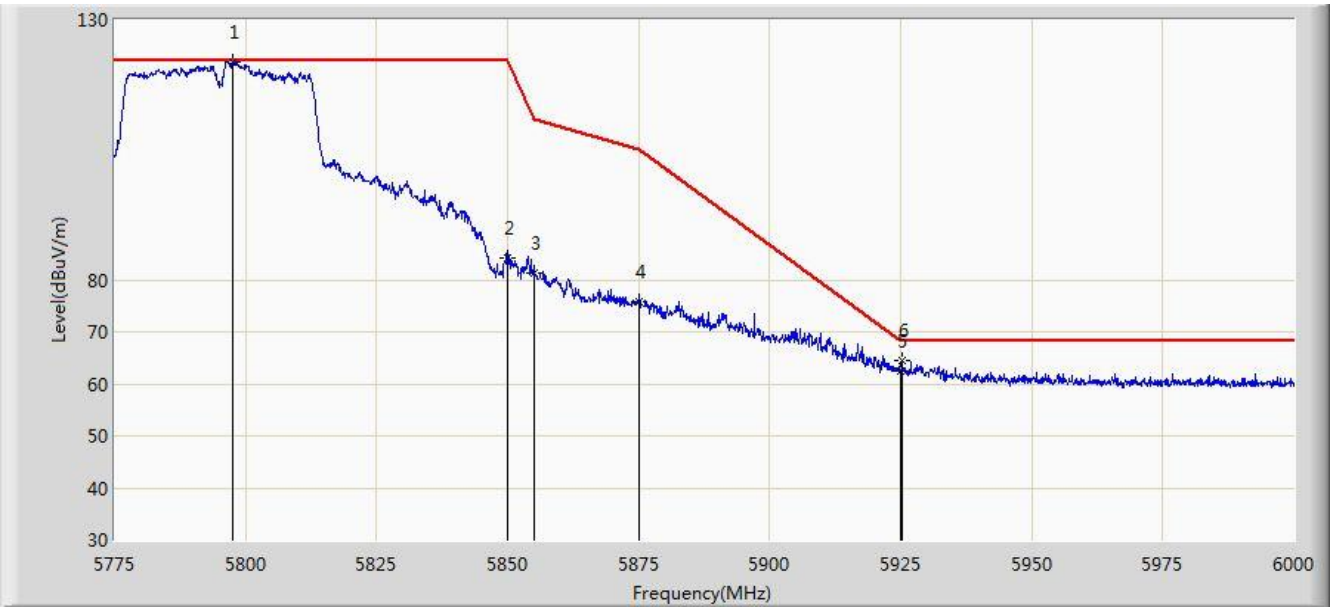


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5808.300	100.543	95.052	N/A	N/A	5.491	PK
2			5850.000	63.144	57.418	-59.056	122.200	5.726	PK
3			5855.000	60.312	54.566	-50.488	110.800	5.746	PK
4			5875.000	59.994	54.174	-45.206	105.200	5.820	PK
5			5925.000	59.063	53.097	-9.137	68.200	5.967	PK
6		*	5962.875	61.216	55.167	-6.984	68.200	6.048	PK

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

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

Site: AC1	Time: 2017/12/08 - 05:01
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0 + 1 (CDD Mode)	

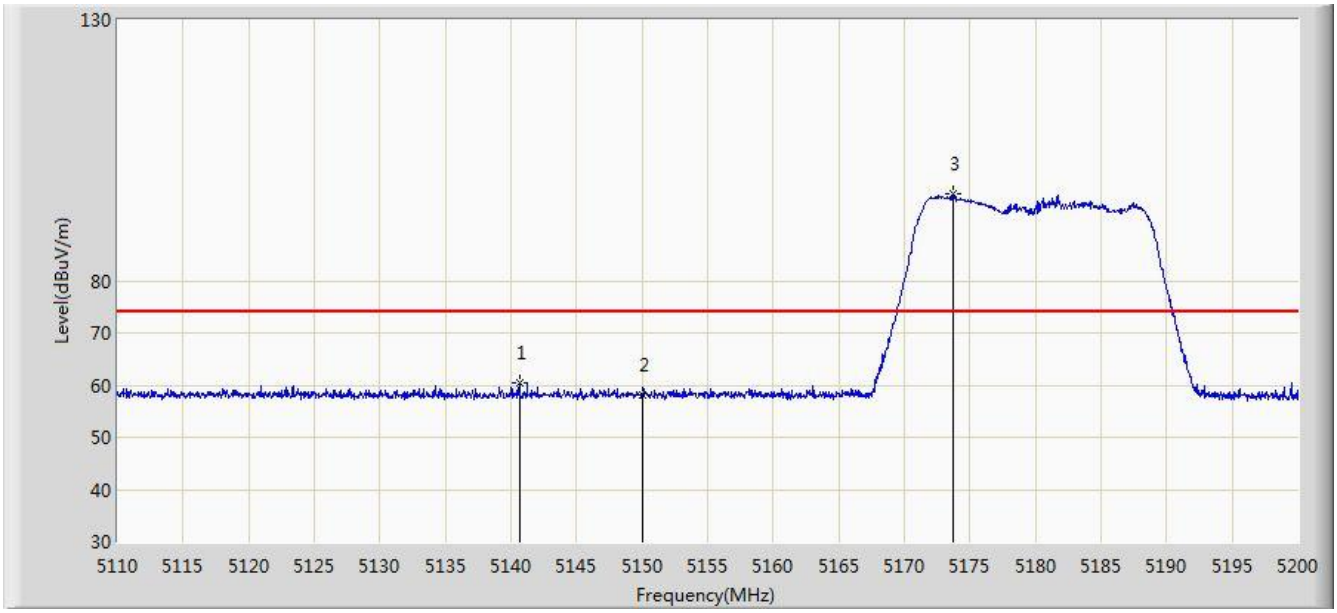


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5797.500	121.992	116.561	N/A	N/A	5.431	PK
2			5850.000	84.176	78.450	-38.024	122.200	5.726	PK
3			5855.000	81.196	75.450	-29.604	110.800	5.746	PK
4			5875.000	75.847	70.027	-29.353	105.200	5.820	PK
5			5925.000	62.528	56.562	-5.672	68.200	5.967	PK
6			5925.300	64.544	58.577	-3.656	68.200	5.967	PK

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

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

Site: AC1	Time: 2017/12/14 - 11:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

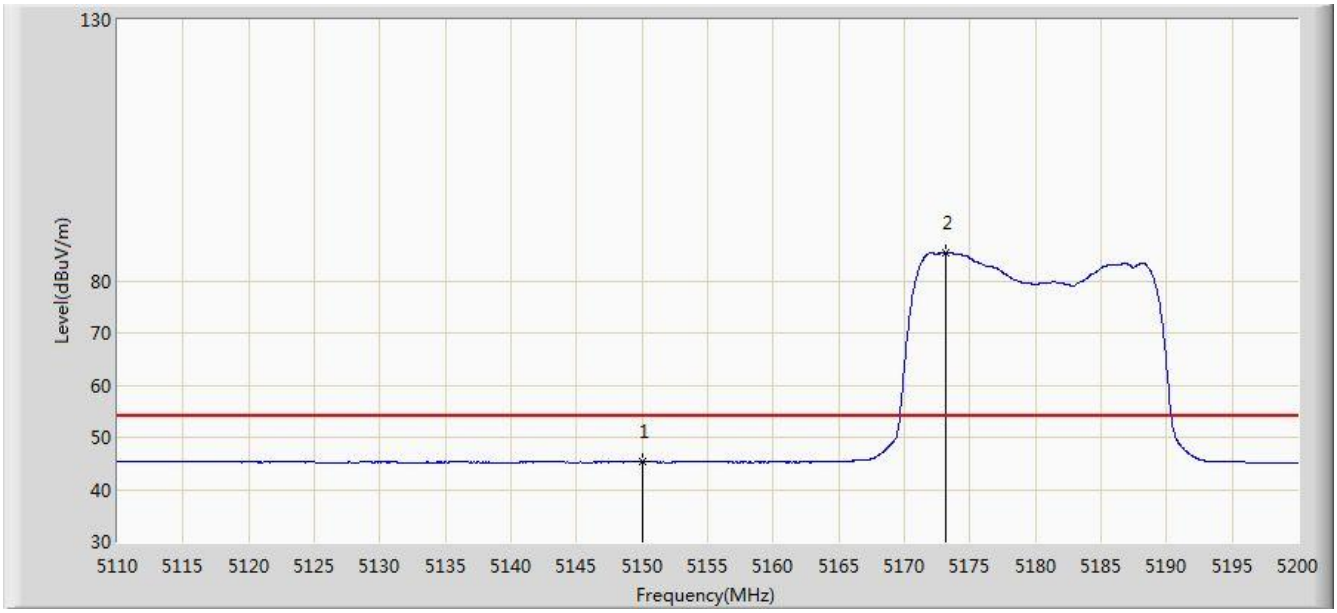


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.645	60.407	56.232	-13.593	74.000	4.176	PK
2			5150.000	58.259	54.090	-15.741	74.000	4.170	PK
3		*	5173.765	96.555	92.464	N/A	N/A	4.091	PK

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: 2017/12/14 - 11:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

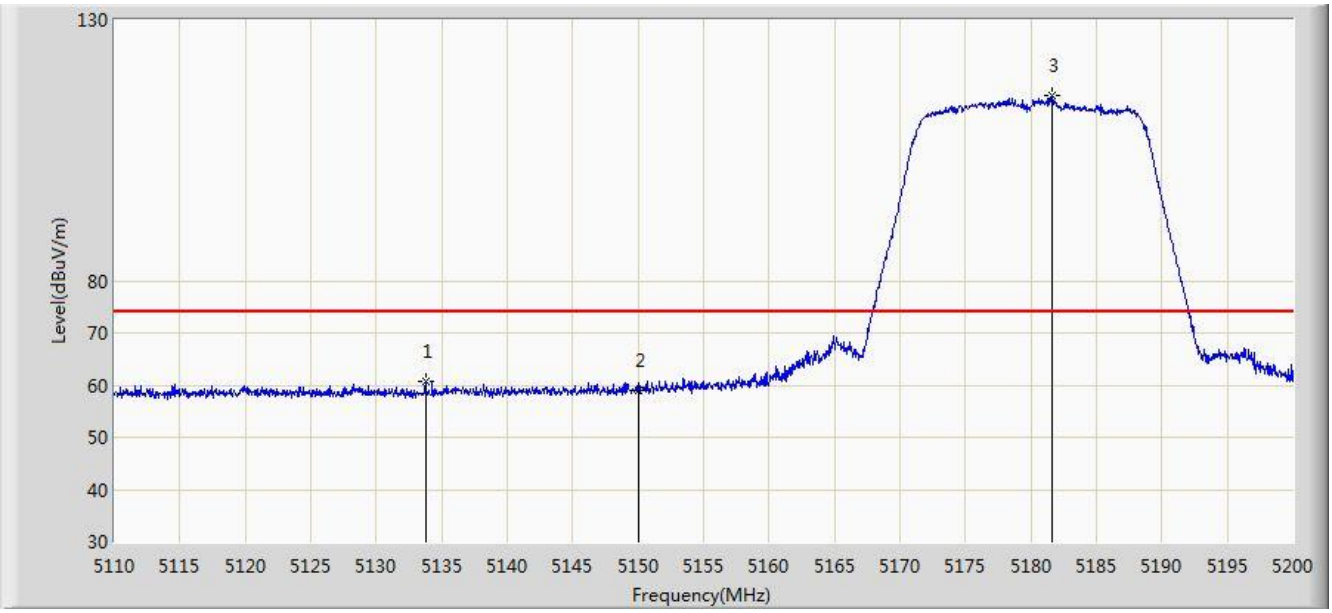


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.237	41.068	-8.763	54.000	4.170	AV
2		*	5173.180	85.419	81.326	N/A	N/A	4.093	AV

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: 2017/12/14 - 11:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

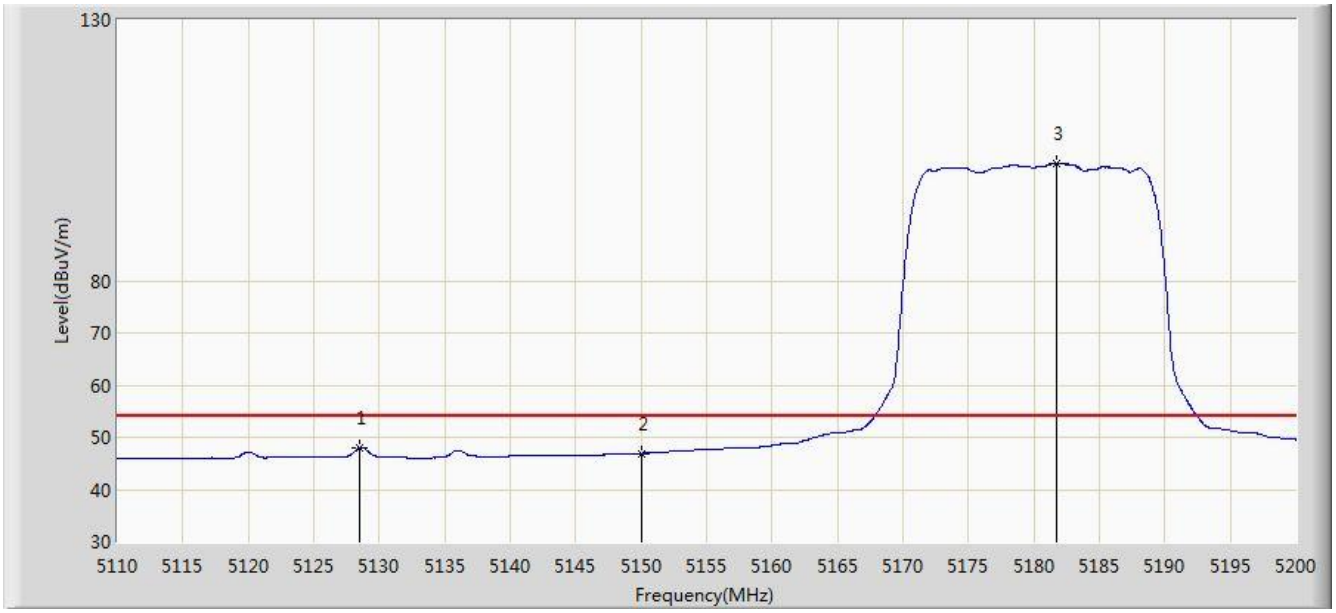


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5133.805	60.661	56.486	-13.339	74.000	4.175	PK
2			5150.000	58.845	54.676	-15.155	74.000	4.170	PK
3		*	5181.595	115.363	111.300	N/A	N/A	4.063	PK

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: 2017/12/14 - 11:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0 + 1 (CDD Mode)	

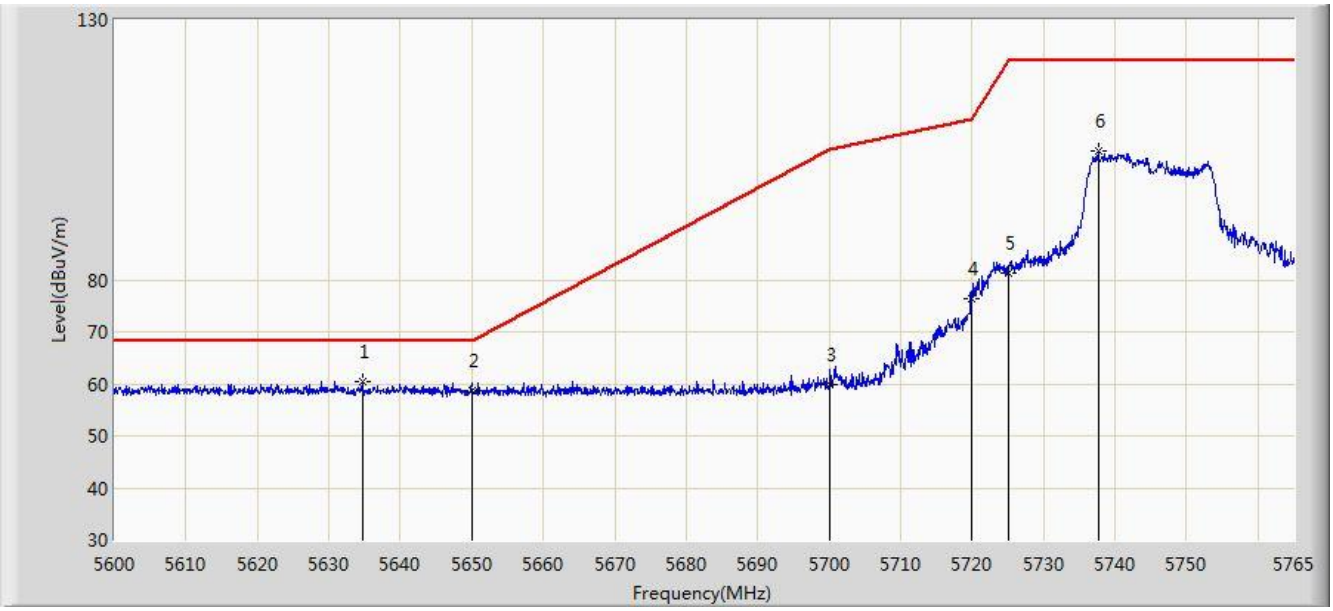


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5128.450	47.899	43.724	-6.101	54.000	4.175	AV
2			5150.000	46.921	42.752	-7.079	54.000	4.170	AV
3		*	5181.730	102.461	98.398	N/A	N/A	4.063	AV

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: 2017/12/08 - 05:53
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0 + 1 (CDD Mode)	

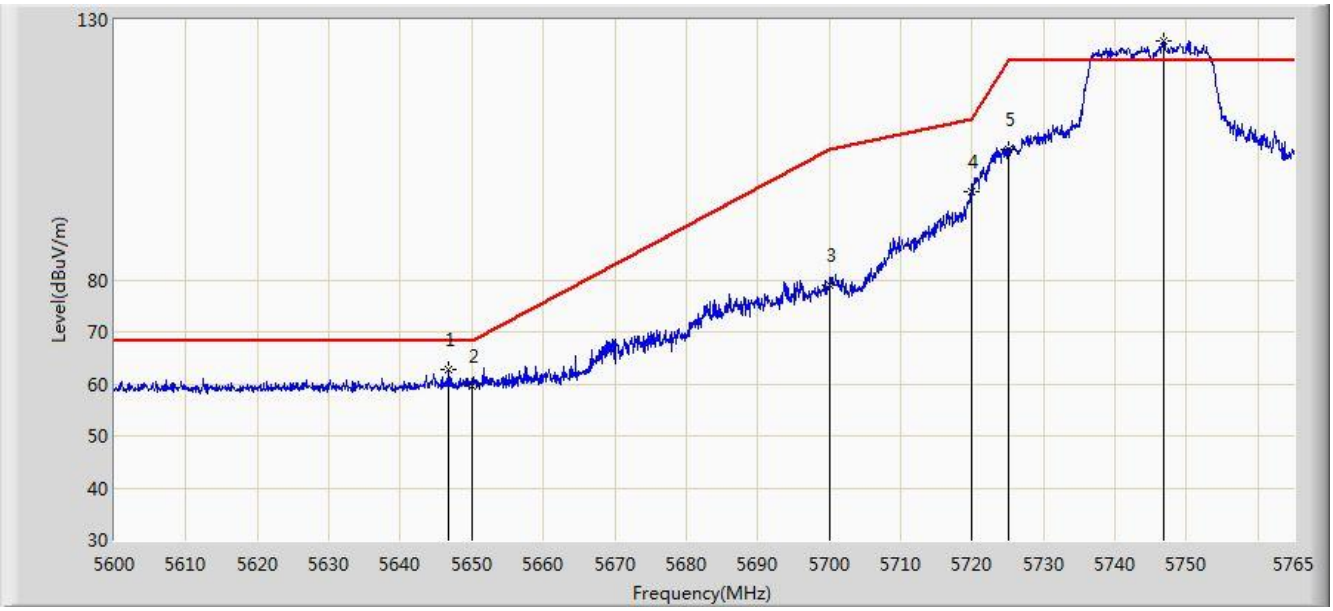


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5634.650	60.560	55.938	-7.640	68.200	4.623	PK
2			5650.000	58.827	54.156	-9.373	68.200	4.671	PK
3			5700.000	59.890	55.012	-45.310	105.200	4.878	PK
4			5720.000	76.504	71.507	-34.296	110.800	4.997	PK
5			5725.000	81.211	76.182	-40.989	122.200	5.029	PK
6			5737.610	104.662	99.553	N/A	N/A	5.109	PK

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

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

Site: AC1	Time: 2017/12/08 - 05:52
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0 + 1 (CDD Mode)	

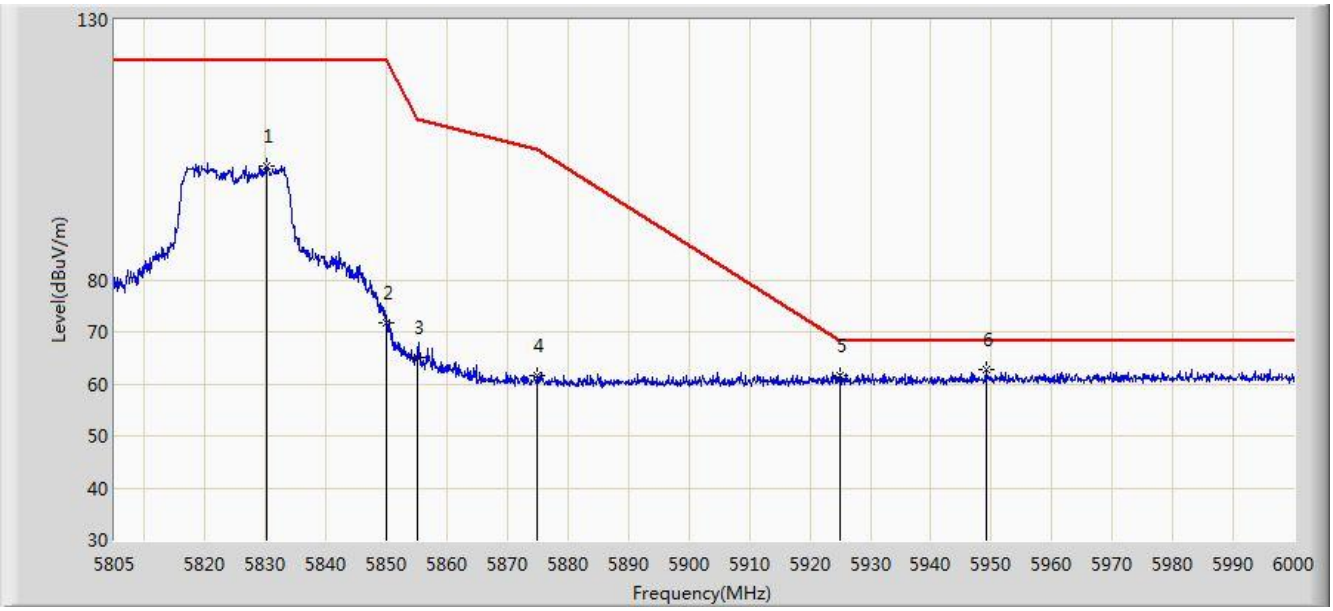


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5646.695	62.662	58.002	-5.538	68.200	4.660	PK
2			5650.000	59.623	54.952	-8.577	68.200	4.671	PK
3			5700.000	79.074	74.196	-26.126	105.200	4.878	PK
4			5720.000	96.951	91.954	-13.849	110.800	4.997	PK
5			5725.000	105.108	100.079	-17.092	122.200	5.029	PK
6		*	5746.850	126.046	120.881	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) (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/08 - 05:56
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0 + 1 (CDD Mode)	

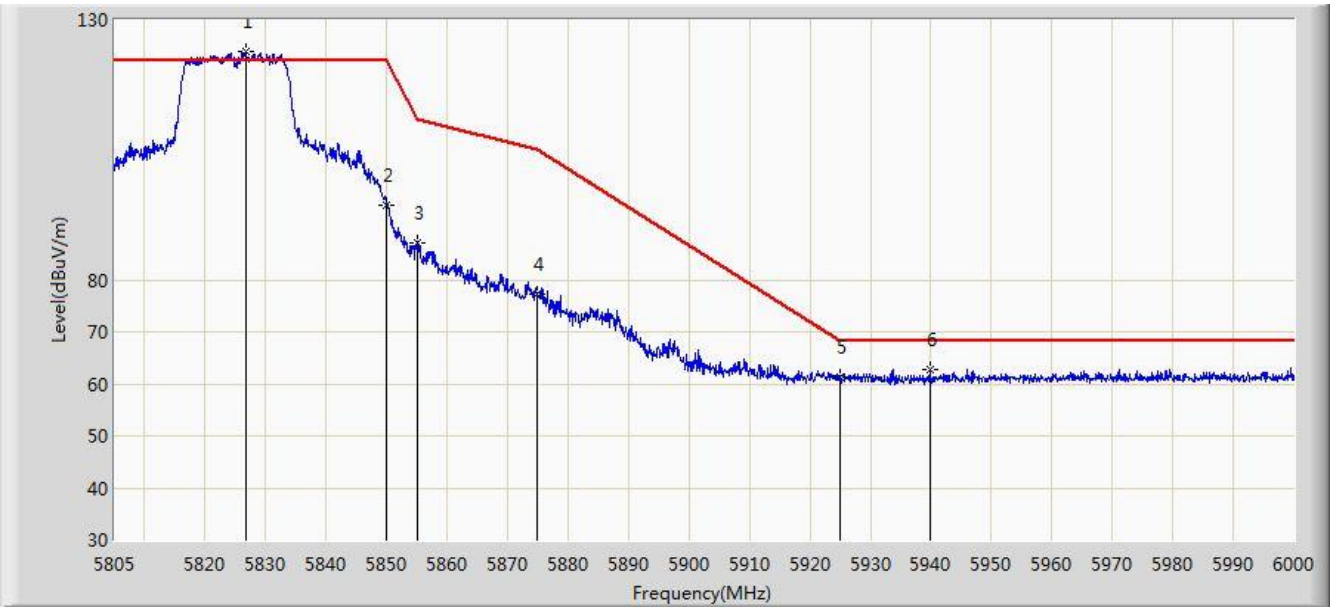


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5830.058	101.953	96.336	N/A	N/A	5.617	PK
2			5850.000	71.687	65.961	-50.513	122.200	5.726	PK
3			5855.000	65.041	59.295	-45.759	110.800	5.746	PK
4			5875.000	61.565	55.745	-43.635	105.200	5.820	PK
5			5925.000	61.469	55.503	-6.731	68.200	5.967	PK
6		*	5949.105	62.642	56.618	-5.558	68.200	6.024	PK

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

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

Site: AC1	Time: 2017/12/08 - 05:54
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0 + 1 (CDD Mode)	

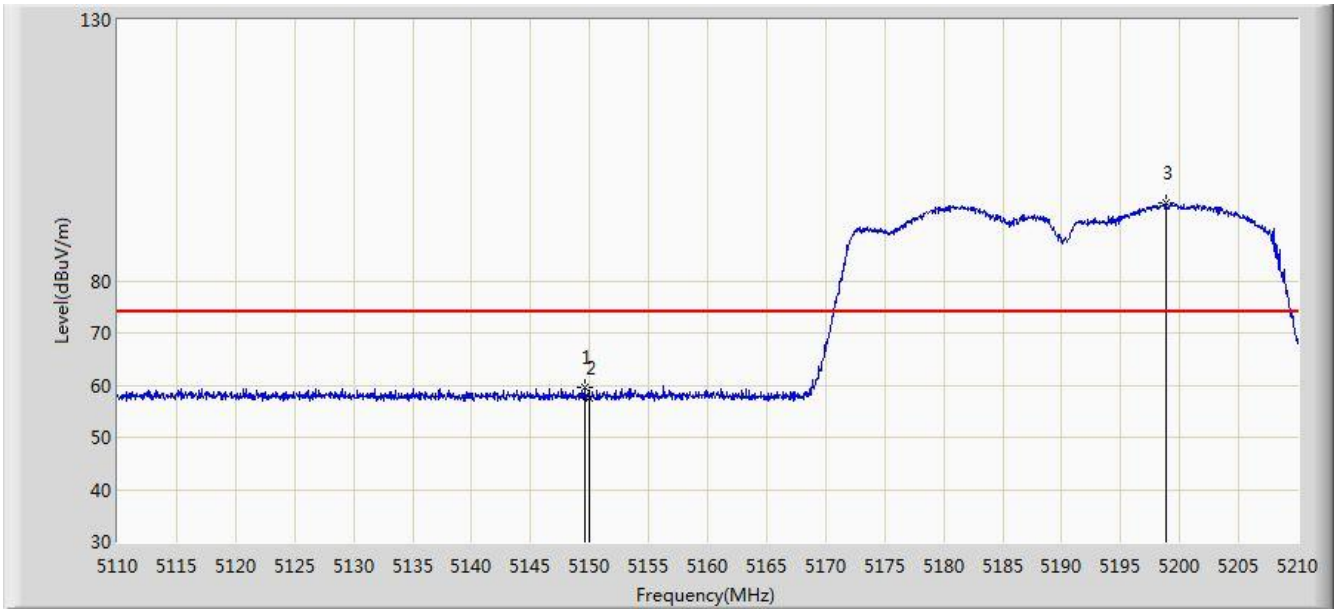


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.645	123.806	118.208	N/A	N/A	5.598	PK
2			5850.000	94.220	88.494	-27.980	122.200	5.726	PK
3			5855.000	87.150	81.404	-23.650	110.800	5.746	PK
4			5875.000	77.327	71.507	-27.873	105.200	5.820	PK
5			5925.000	61.291	55.325	-6.909	68.200	5.967	PK
6			5939.842	62.631	56.628	-5.569	68.200	6.004	PK

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

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

Site: AC1	Time: 2017/12/14 - 11:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0 + 1 (CDD Mode)	

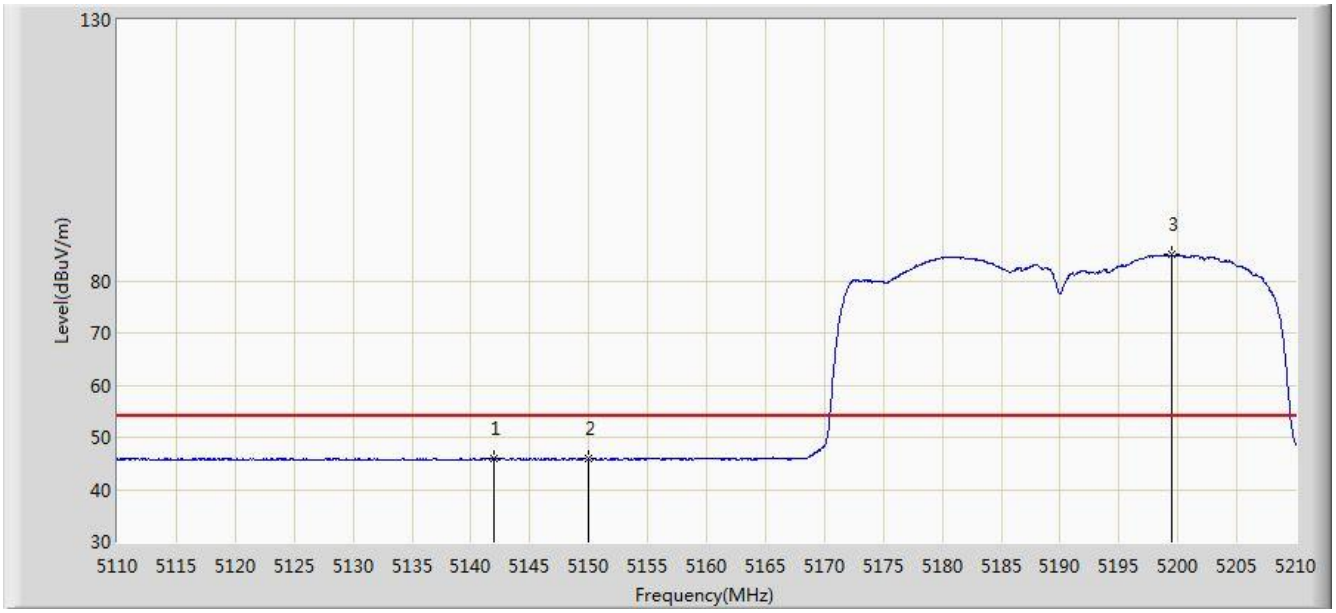


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.550	59.624	55.453	-14.376	74.000	4.170	PK
2			5150.000	57.618	53.449	-16.382	74.000	4.170	PK
3		*	5198.850	94.791	90.789	N/A	N/A	4.002	PK

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: 2017/12/14 - 13:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0 + 1 (CDD Mode)	

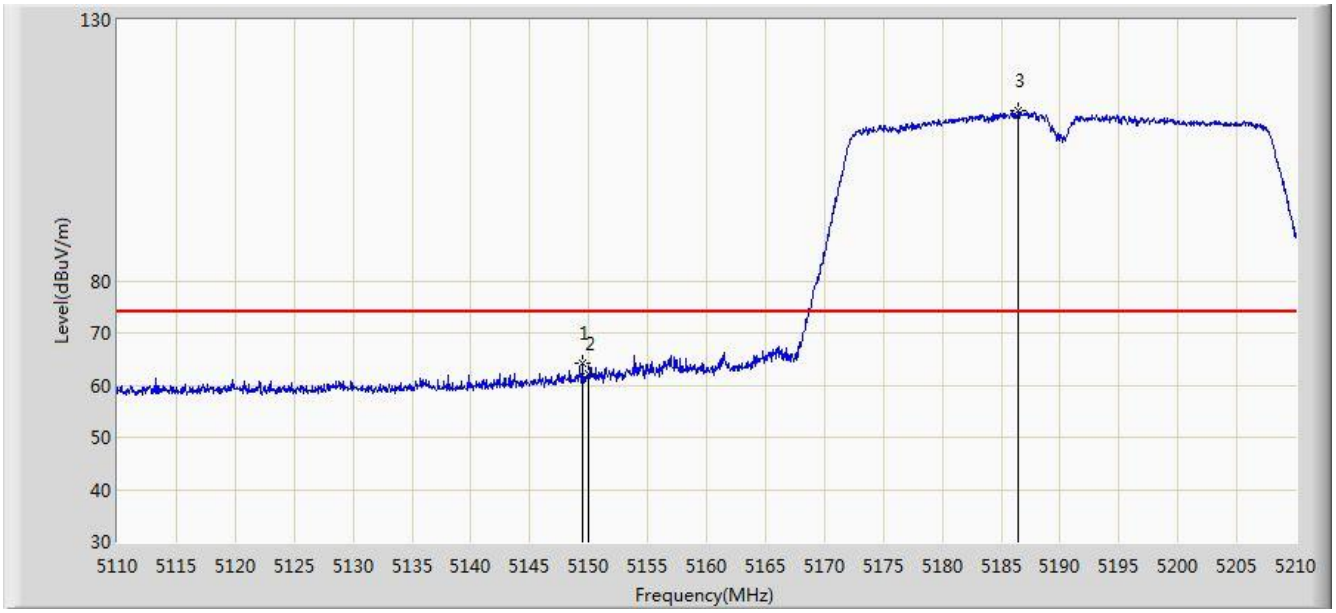


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.000	46.013	41.837	-7.987	54.000	4.176	AV
2			5150.000	45.809	41.640	-8.191	54.000	4.170	AV
3		*	5199.450	84.982	80.982	N/A	N/A	4.001	AV

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: 2017/12/14 - 13:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0 + 1 (CDD Mode)	

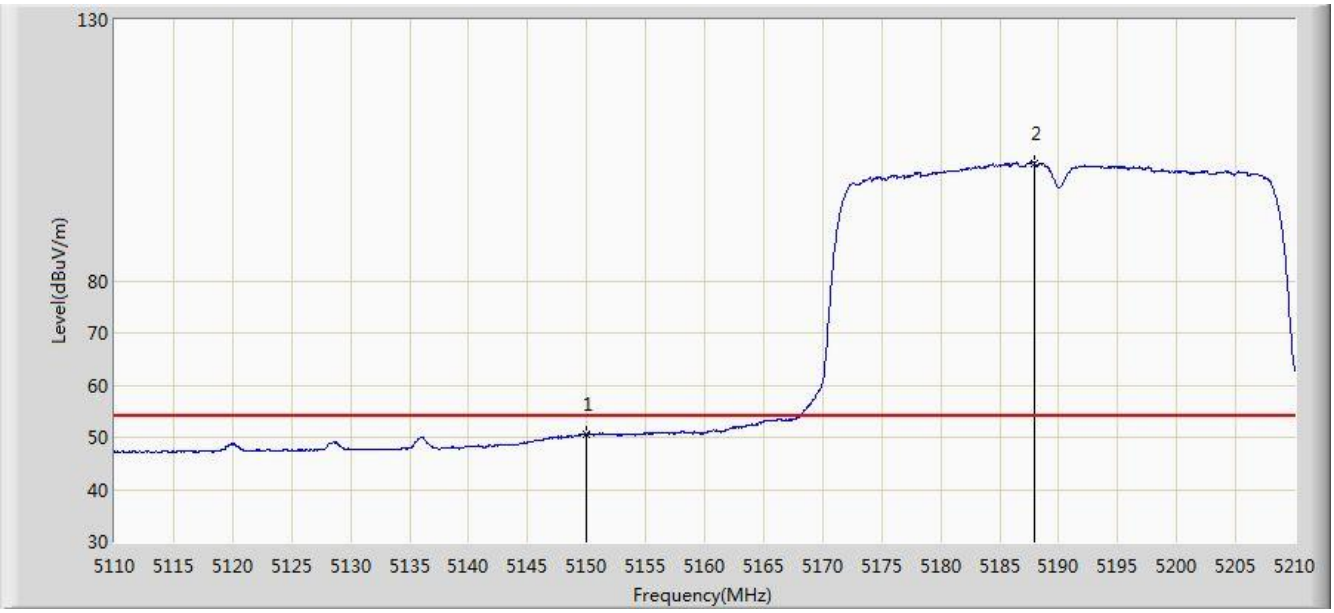


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.450	64.112	59.941	-9.888	74.000	4.170	PK
2			5150.000	62.273	58.104	-11.727	74.000	4.170	PK
3		*	5186.400	112.491	108.445	N/A	N/A	4.046	PK

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: 2017/12/14 - 13:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0 + 1 (CDD Mode)	

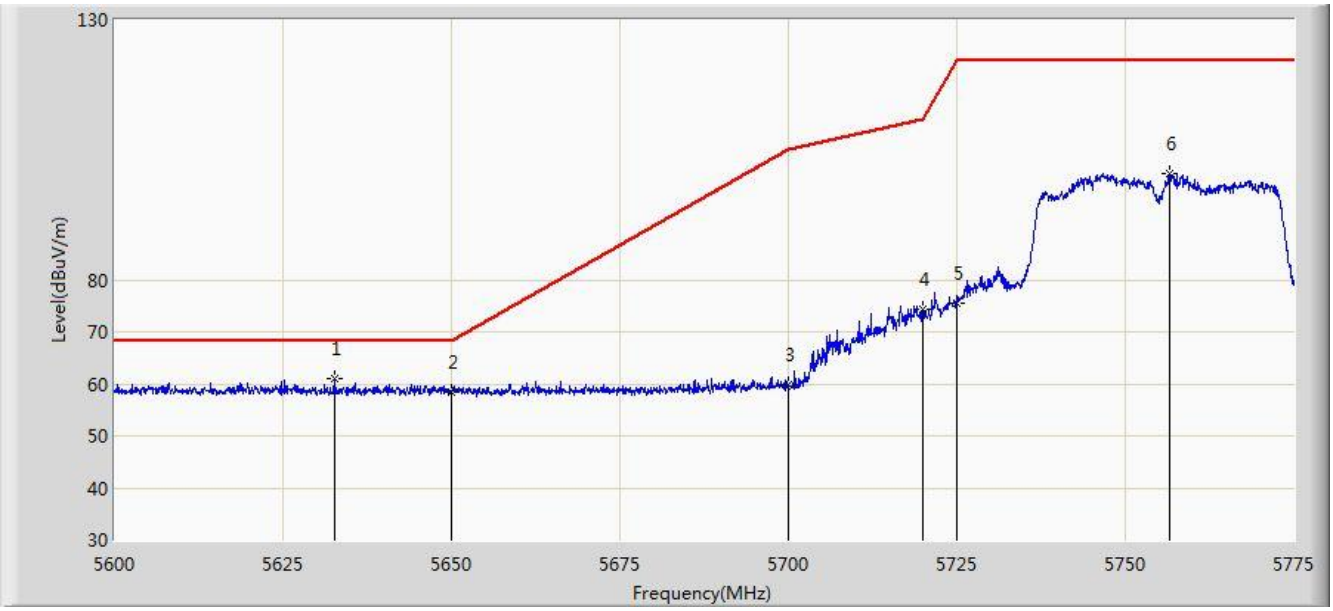


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.565	46.396	-3.435	54.000	4.170	AV
2		*	5188.000	102.579	98.538	N/A	N/A	4.041	AV

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: 2017/12/08 - 07:01
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0 + 1 (CDD Mode)	

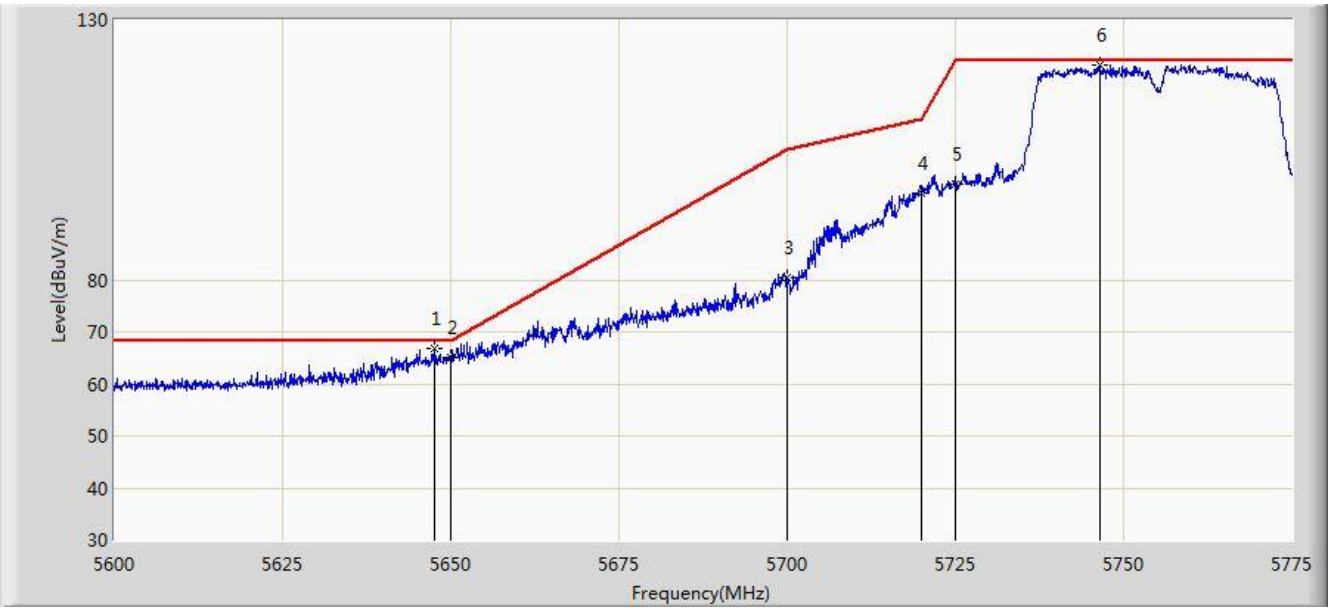


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5632.725	60.923	56.306	-7.277	68.200	4.617	PK
2			5650.000	58.463	53.792	-9.737	68.200	4.671	PK
3			5700.000	59.905	55.027	-45.295	105.200	4.878	PK
4			5720.000	74.301	69.304	-36.499	110.800	4.997	PK
5			5725.000	75.549	70.520	-46.651	122.200	5.029	PK
6			5756.538	100.379	95.159	N/A	N/A	5.220	PK

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

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

Site: AC1	Time: 2017/12/08 - 06:57
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0 + 1 (CDD Mode)	

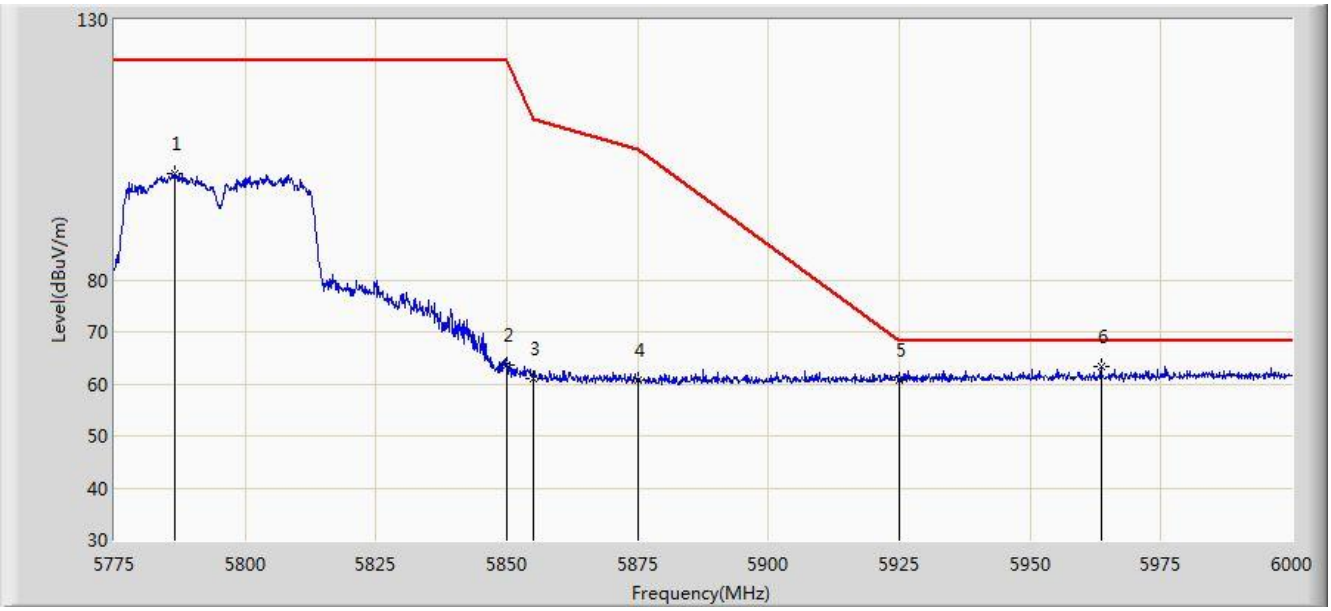


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.687	66.867	62.204	-1.333	68.200	4.663	PK
2			5650.000	65.082	60.411	-3.118	68.200	4.671	PK
3			5700.000	80.454	75.576	-24.746	105.200	4.878	PK
4			5720.000	96.730	91.733	-14.070	110.800	4.997	PK
5			5725.000	98.402	93.373	-23.798	122.200	5.029	PK
6		*	5746.388	121.194	116.031	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) (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/08 - 07:02
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0 + 1 (CDD Mode)	

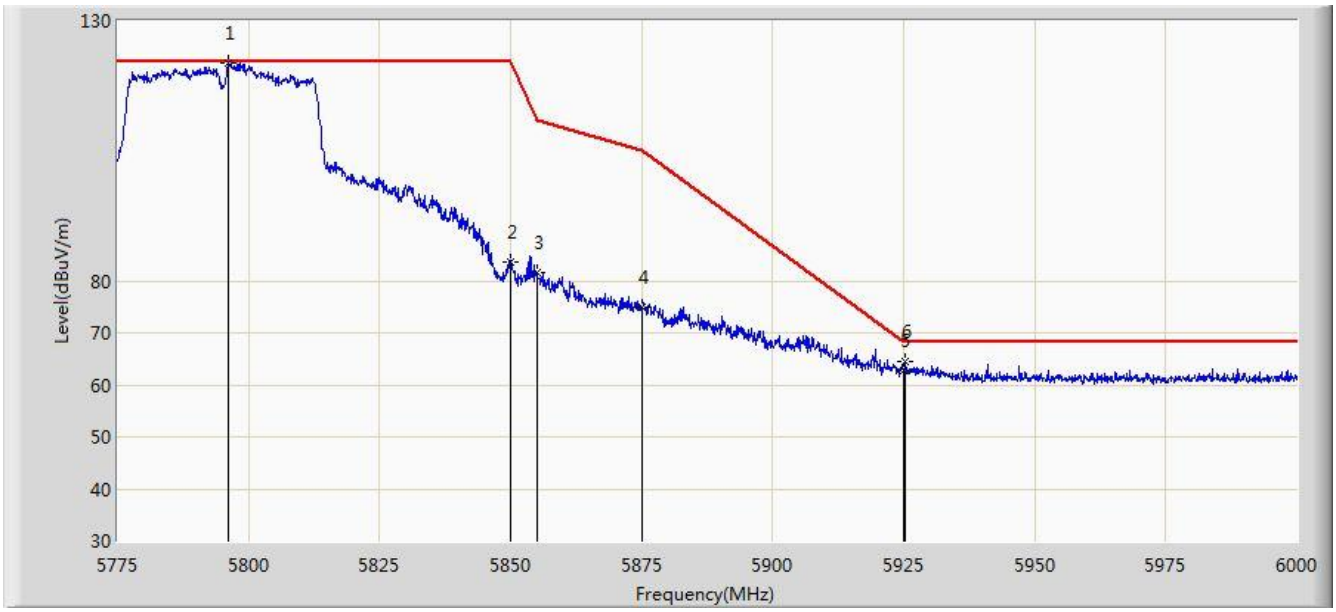


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5786.700	100.347	94.972	N/A	N/A	5.375	PK
2			5850.000	63.510	57.784	-58.690	122.200	5.726	PK
3			5855.000	61.146	55.400	-49.654	110.800	5.746	PK
4			5875.000	60.847	55.027	-44.353	105.200	5.820	PK
5			5925.000	60.776	54.810	-7.424	68.200	5.967	PK
6		*	5963.550	63.420	57.370	-4.780	68.200	6.050	PK

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

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

Site: AC1	Time: 2017/12/08 - 07:06
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0 + 1 (CDD Mode)	

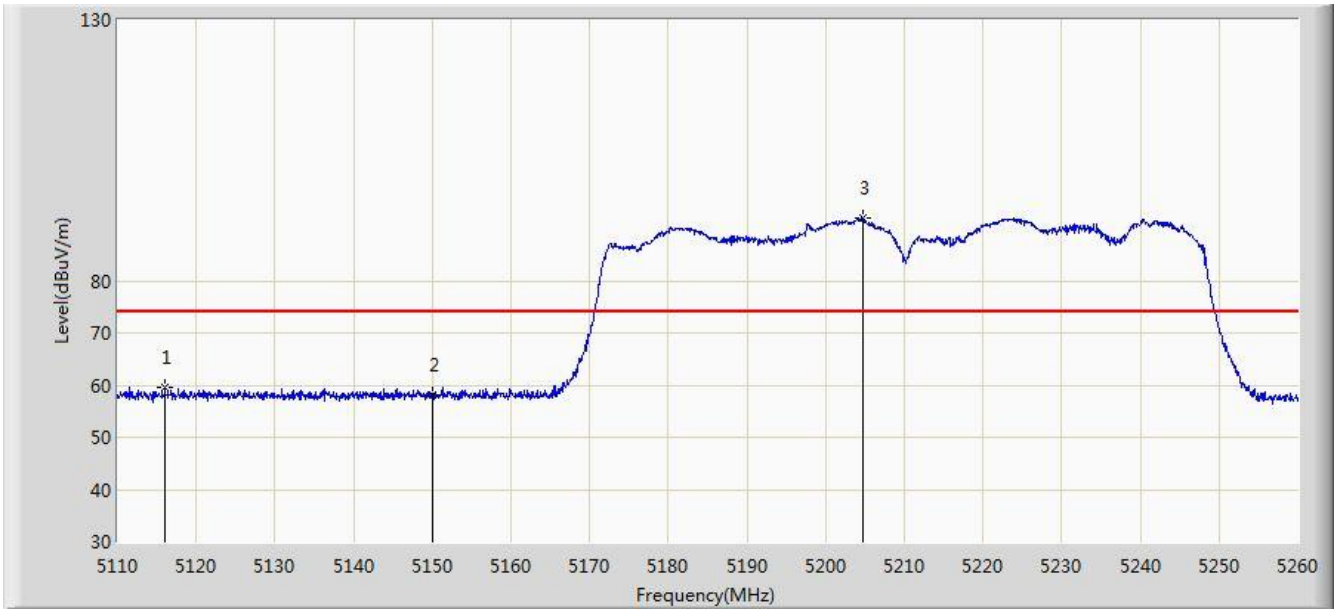


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5796.263	121.859	116.435	N/A	N/A	5.424	PK
2			5850.000	83.703	77.977	-38.497	122.200	5.726	PK
3			5855.000	81.487	75.741	-29.313	110.800	5.746	PK
4			5875.000	74.813	68.993	-30.387	105.200	5.820	PK
5			5925.000	62.879	56.913	-5.321	68.200	5.967	PK
6			5925.413	64.525	58.557	-3.675	68.200	5.967	PK

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

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

Site: AC1	Time: 2017/12/14 - 13:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0 + 1 (CDD Mode)	

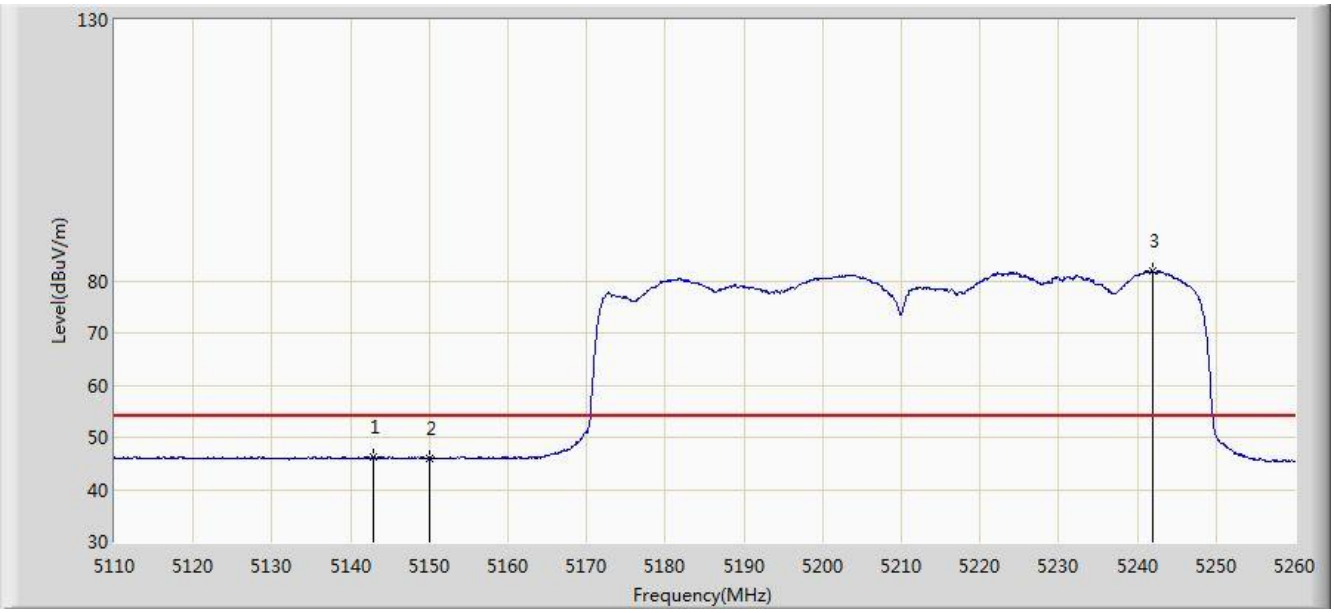


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5116.000	59.651	55.476	-14.349	74.000	4.174	PK
2			5150.000	58.240	54.071	-15.760	74.000	4.170	PK
3		*	5204.800	92.004	88.020	N/A	N/A	3.984	PK

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

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

Site: AC1	Time: 2017/12/14 - 13:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0 + 1 (CDD Mode)	

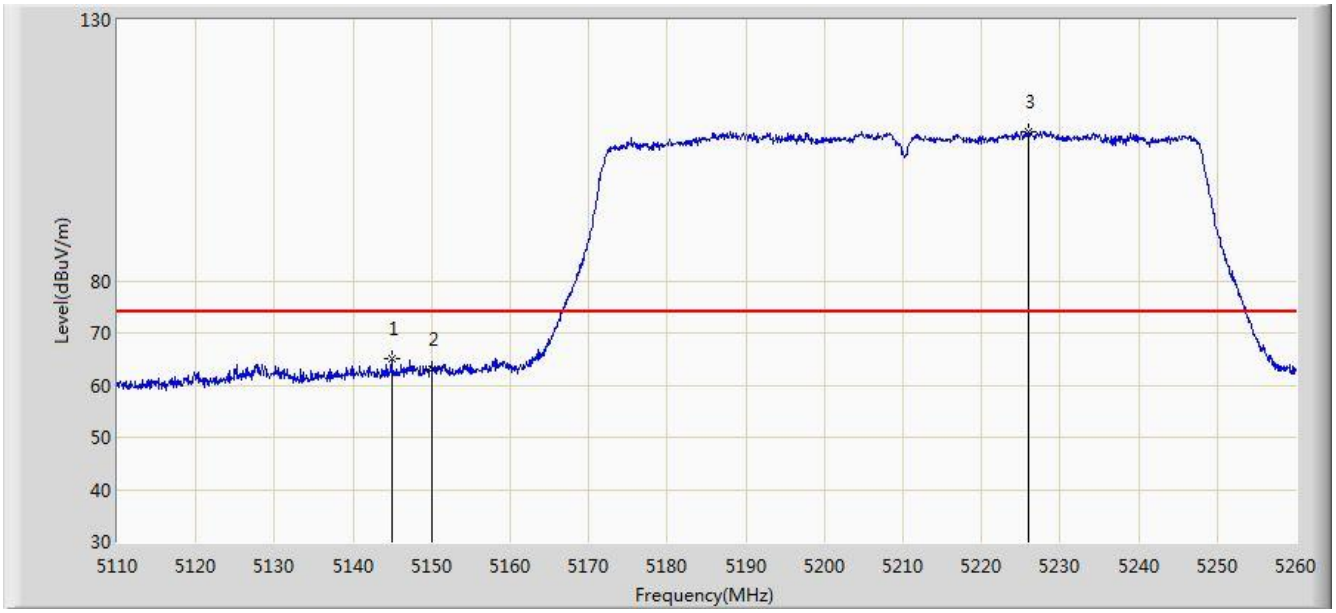


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.925	46.315	42.139	-7.685	54.000	4.176	AV
2			5150.000	45.982	41.813	-8.018	54.000	4.170	AV
3		*	5241.925	81.938	78.064	N/A	N/A	3.874	AV

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: 2017/12/14 - 13:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0 + 1 (CDD Mode)	

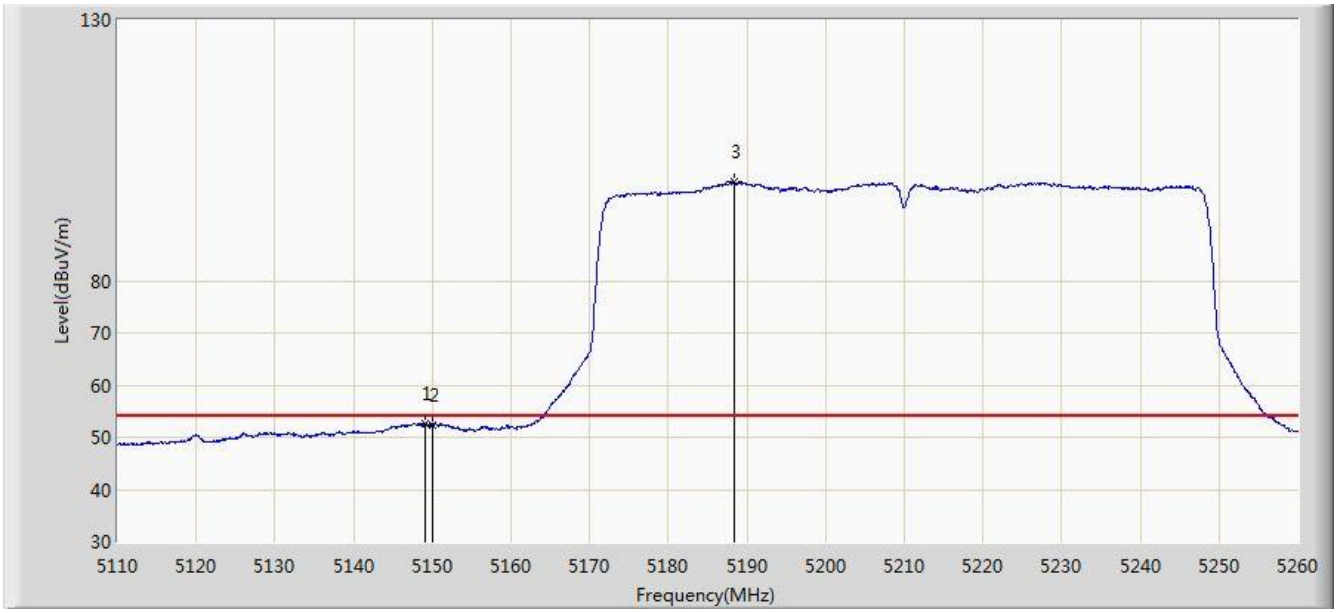


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.875	65.048	60.872	-8.952	74.000	4.175	PK
2			5150.000	63.176	59.007	-10.824	74.000	4.170	PK
3		*	5225.950	108.569	104.648	N/A	N/A	3.921	PK

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: 2017/12/14 - 13:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0 + 1 (CDD Mode)	

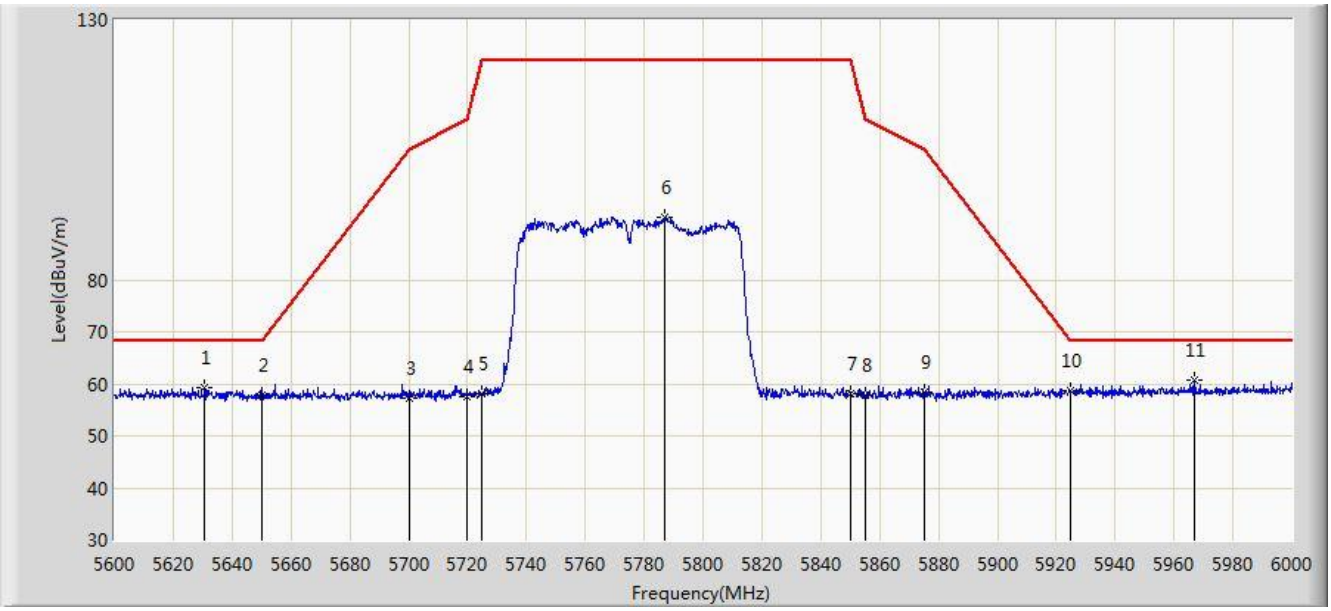


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.150	52.645	48.473	-1.355	54.000	4.172	AV
2			5150.000	52.355	48.186	-1.645	54.000	4.170	AV
3		*	5188.300	98.967	94.928	44.967	54.000	4.040	AV

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: 2017/12/08 - 08:01
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0 + 1 (CDD Mode)	

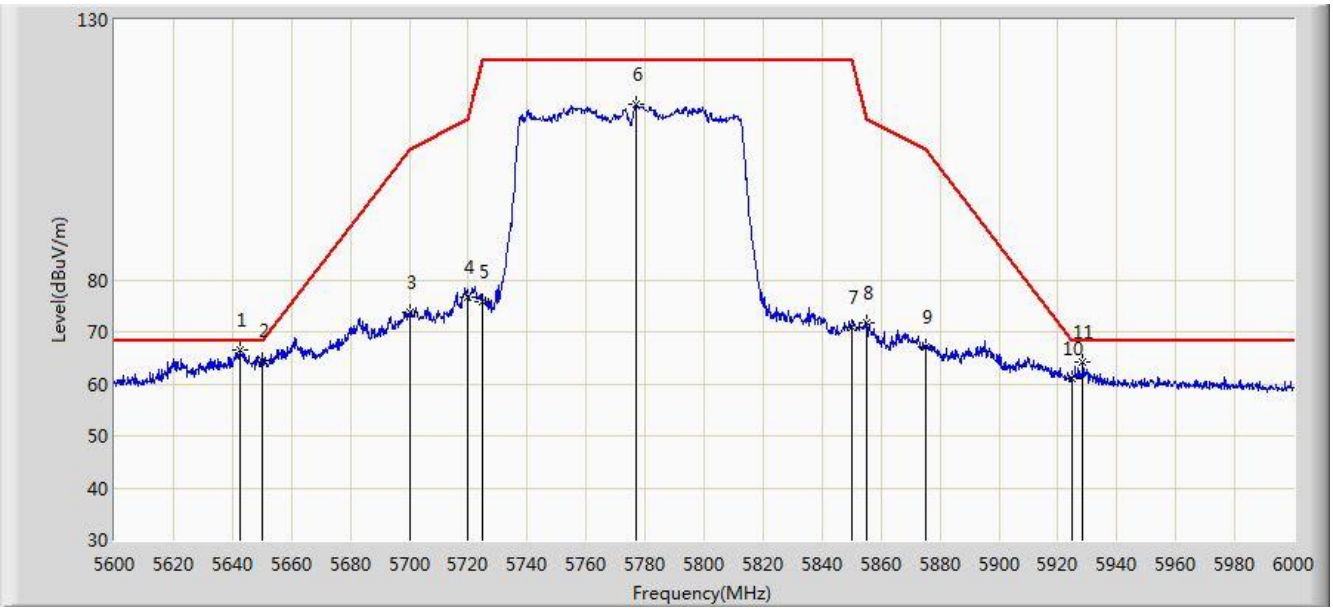


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5630.600	59.206	54.595	-8.994	68.200	4.611	PK
2			5650.000	57.766	53.095	-10.434	68.200	4.671	PK
3			5700.000	57.141	52.263	-48.059	105.200	4.878	PK
4			5720.000	57.680	52.683	-53.120	110.800	4.997	PK
5			5725.000	58.001	52.972	-64.199	122.200	5.029	PK
6			5787.200	92.165	86.787	N/A	N/A	5.378	PK
7			5850.000	58.090	52.364	-64.110	122.200	5.726	PK
8			5855.000	57.932	52.186	-52.868	110.800	5.746	PK
9			5875.000	58.290	52.470	-46.910	105.200	5.820	PK
10			5925.000	58.590	52.624	-9.610	68.200	5.967	PK
11		*	5967.000	60.635	54.579	-7.565	68.200	6.055	PK

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

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

Site: AC1	Time: 2017/12/08 - 07:58
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0 + 1 (CDD Mode)	

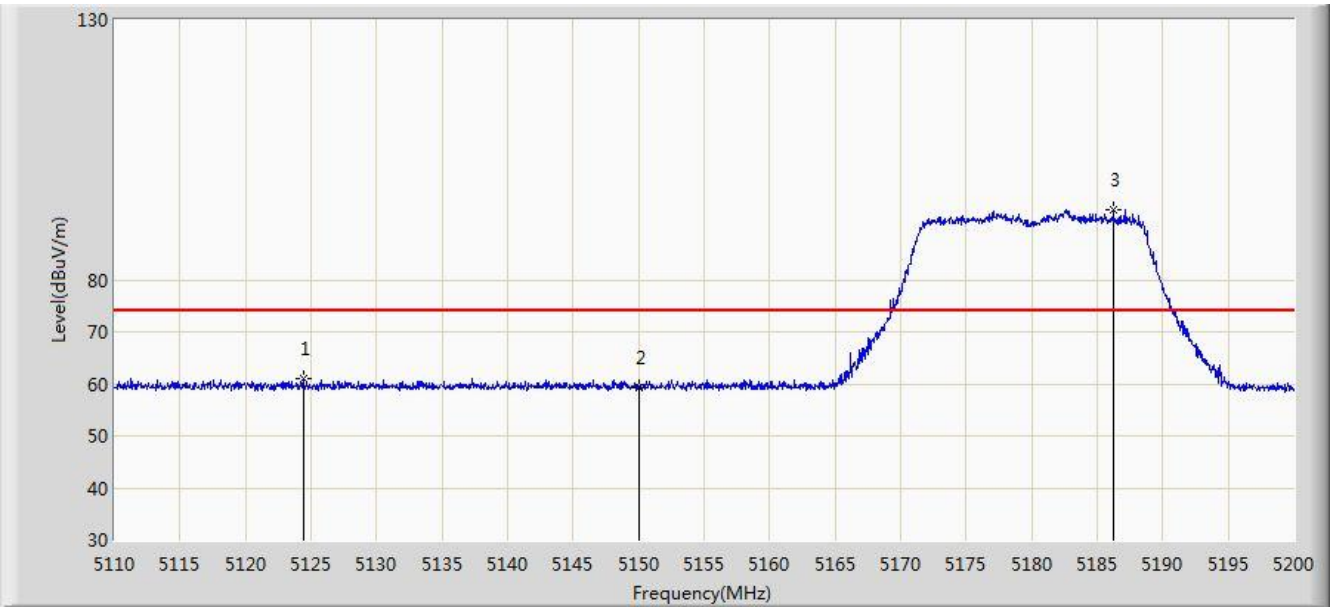


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5642.400	66.544	61.898	-1.656	68.200	4.646	PK
2			5650.000	64.592	59.921	-3.608	68.200	4.671	PK
3			5700.000	73.840	68.962	-31.360	105.200	4.878	PK
4			5720.000	76.759	71.762	-34.041	110.800	4.997	PK
5			5725.000	75.850	70.821	-46.350	122.200	5.029	PK
6			5776.800	113.776	108.451	N/A	N/A	5.325	PK
7			5850.000	70.881	65.155	-51.319	122.200	5.726	PK
8			5855.000	71.608	65.862	-39.192	110.800	5.746	PK
9			5875.000	67.143	61.323	-38.057	105.200	5.820	PK
10			5925.000	61.054	55.088	-7.146	68.200	5.967	PK
11			5928.400	64.111	58.136	-4.089	68.200	5.976	PK

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

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

Site: AC1	Time: 2017/12/13 - 21:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1 (Beam-Forming Mode)	

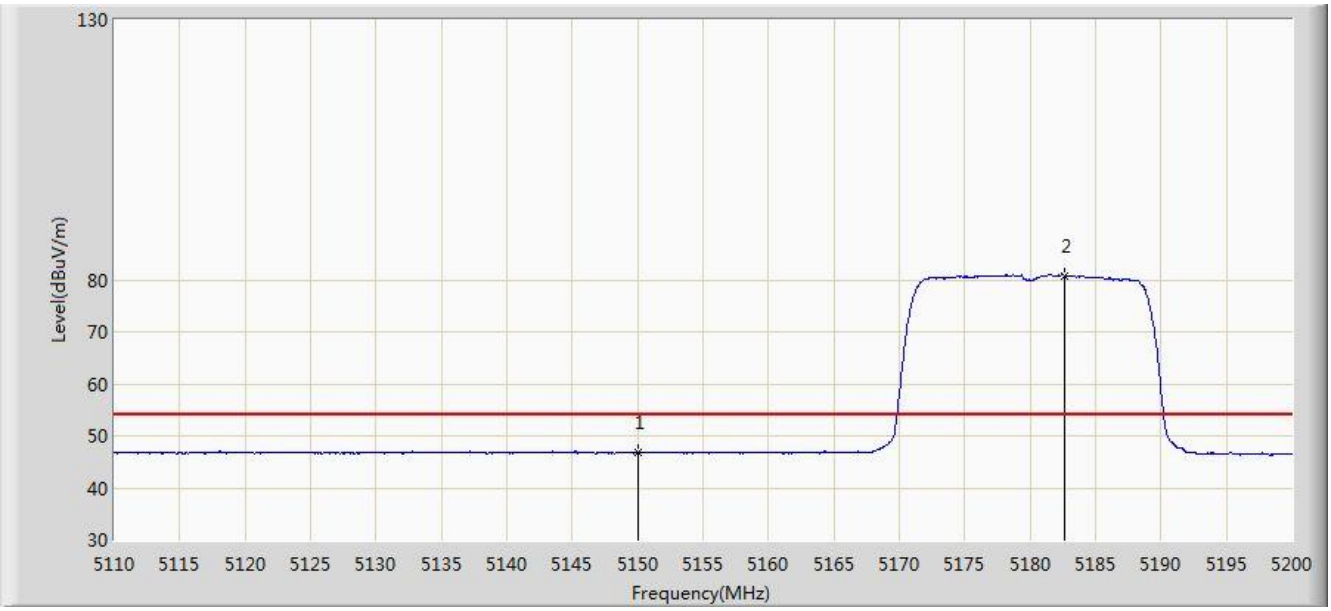


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5124.400	61.112	56.937	-12.888	74.000	4.174	PK
2			5150.000	59.230	55.061	-14.770	74.000	4.170	PK
3			5186.230	93.578	89.531	N/A	N/A	4.047	PK

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

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

Site: AC1	Time: 2017/12/13 - 22:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1 (Beam-Forming Mode)	

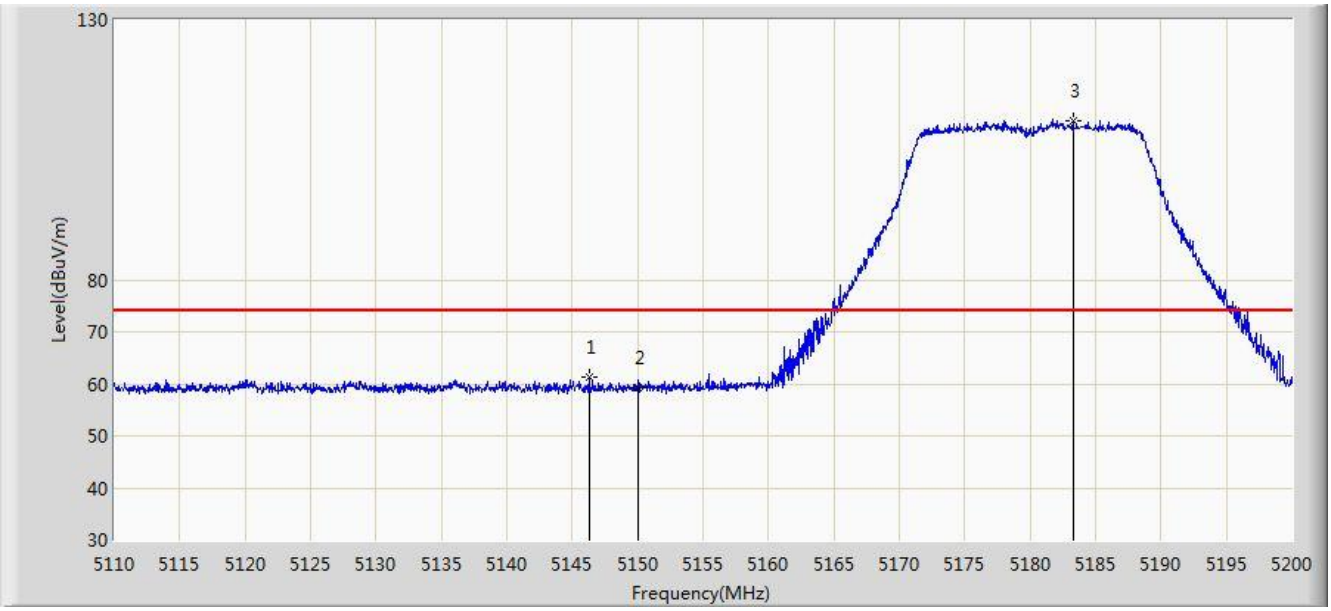


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.738	42.569	-7.262	54.000	4.170	AV
2			5182.585	80.866	76.806	N/A	N/A	4.060	AV

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

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

Site: AC1	Time: 2017/12/13 - 22:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1 (Beam-Forming Mode)	

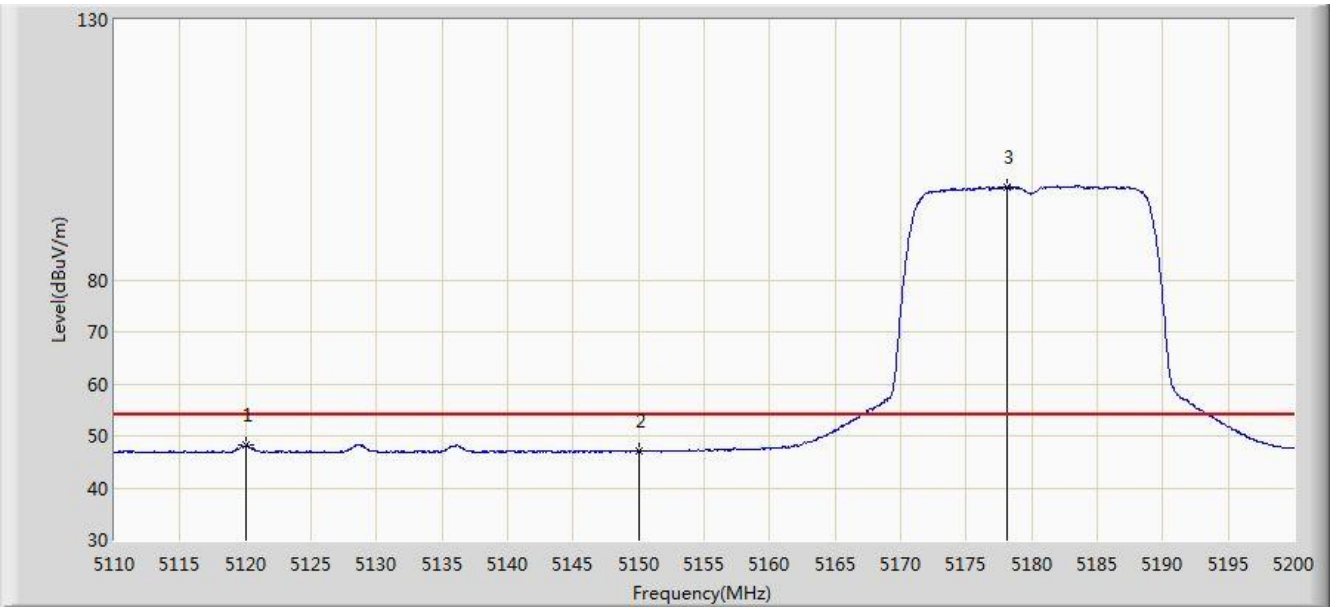


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.270	61.174	56.998	-12.826	74.000	4.176	PK
2			5150.000	59.177	55.008	-14.823	74.000	4.170	PK
3			5183.305	110.620	106.563	N/A	N/A	4.057	PK

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

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

Site: AC1	Time: 2017/12/13 - 22:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1 (Beam-Forming Mode)	

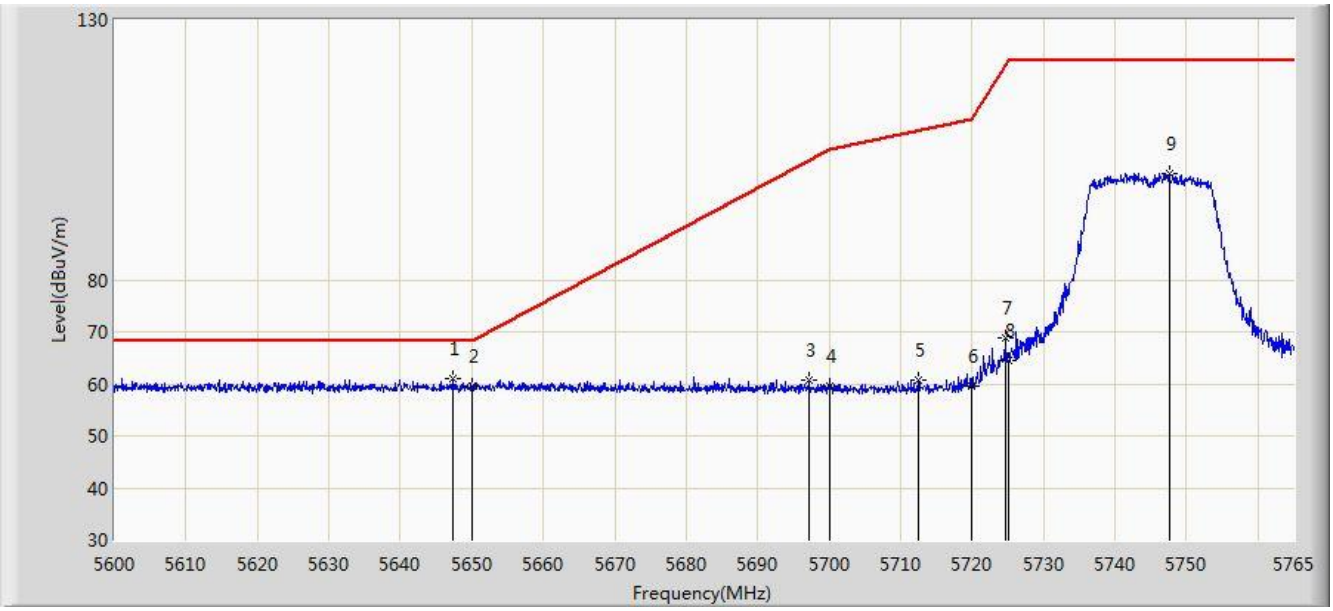


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5119.990	48.212	44.037	-5.788	54.000	4.175	AV
2			5150.000	47.085	42.916	-6.915	54.000	4.170	AV
3			5178.175	97.932	93.857	N/A	N/A	4.075	AV

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

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

Site: AC1	Time: 2017/12/13 - 22:33
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0 + 1 (Beam-Forming Mode)	

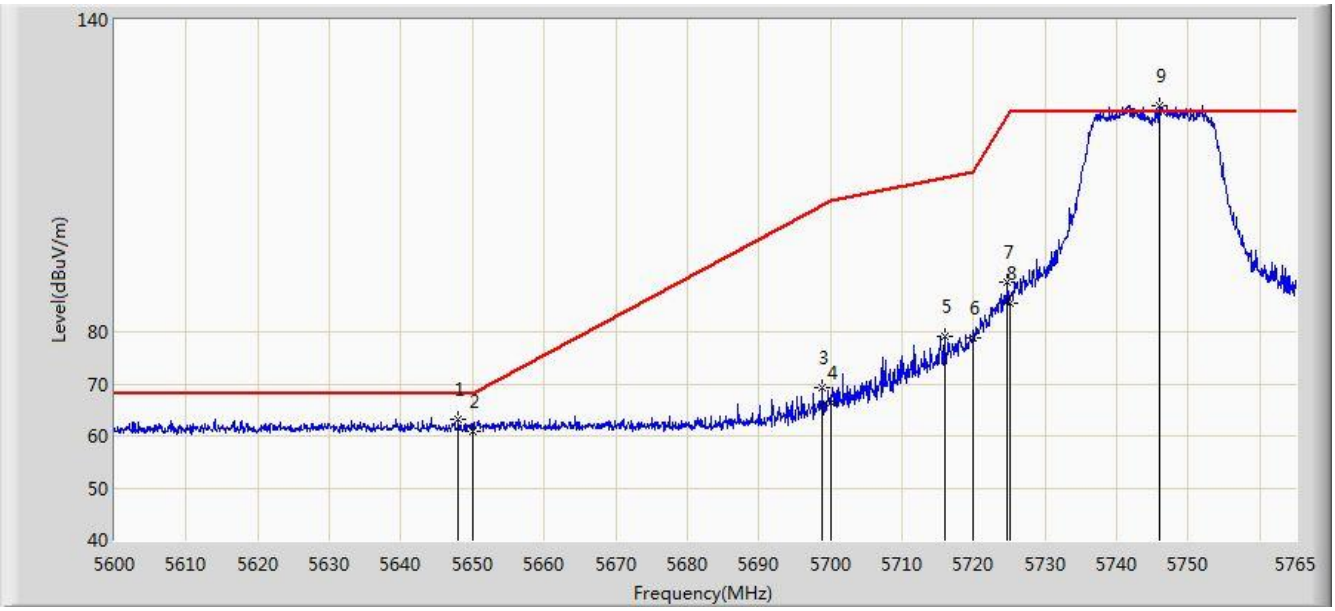


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.272	61.120	56.458	-7.080	68.200	4.662	PK
2			5650.000	59.529	54.858	-8.671	68.200	4.671	PK
3			5697.268	60.654	55.790	-42.533	103.187	4.864	PK
4			5700.000	59.438	54.560	-45.762	105.200	4.878	PK
5			5712.530	60.601	55.652	-48.110	108.711	4.948	PK
6			5720.000	59.616	54.619	-51.184	110.800	4.997	PK
7			5724.658	68.849	63.822	-52.572	121.421	5.027	PK
8			5725.000	64.633	59.604	-57.567	122.200	5.029	PK
9			5747.592	100.578	95.408	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) (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/13 - 22:34
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0 + 1 (Beam-Forming Mode)	

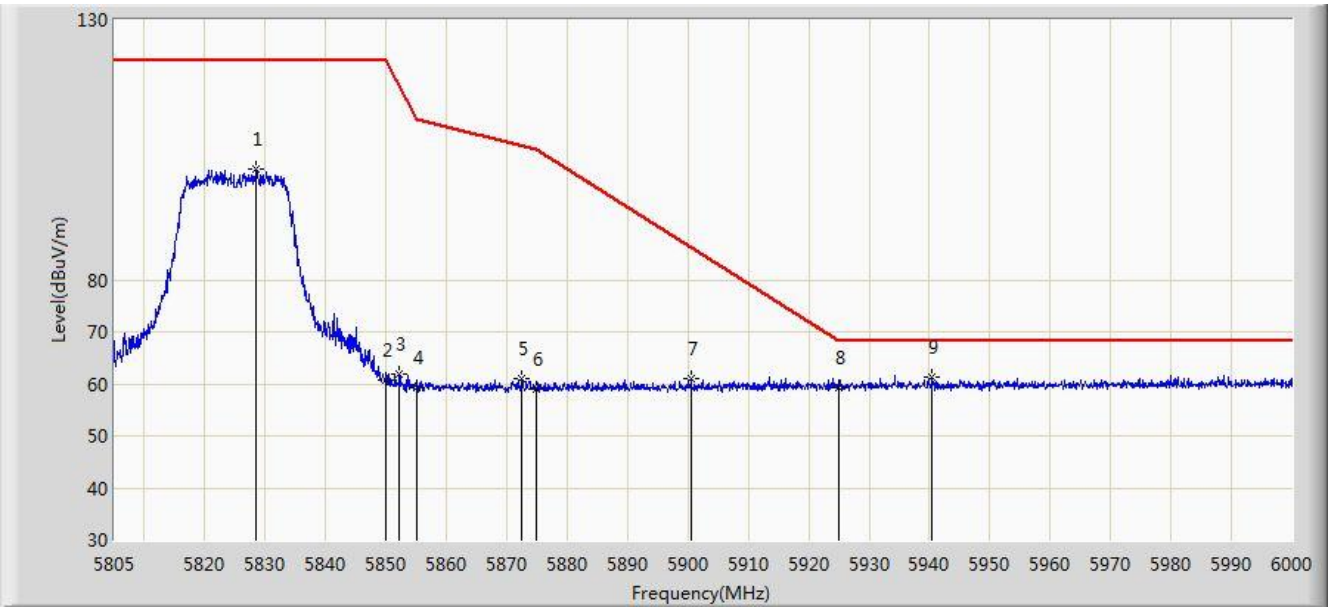


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5648.015	63.177	58.513	-5.023	68.200	4.665	PK
2			5650.000	61.013	56.342	-7.187	68.200	4.671	PK
3			5698.917	69.392	64.519	-35.011	104.402	4.872	PK
4			5700.000	66.420	61.542	-38.780	105.200	4.878	PK
5			5715.913	79.042	74.071	-30.616	109.657	4.970	PK
6			5720.000	78.830	73.833	-31.970	110.800	4.997	PK
7			5724.740	89.459	84.432	-32.148	121.607	5.028	PK
8			5725.000	85.601	80.572	-36.599	122.200	5.029	PK
9			5745.942	123.544	118.384	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) (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/13 - 22:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0 + 1 (Beam-Forming Mode)	

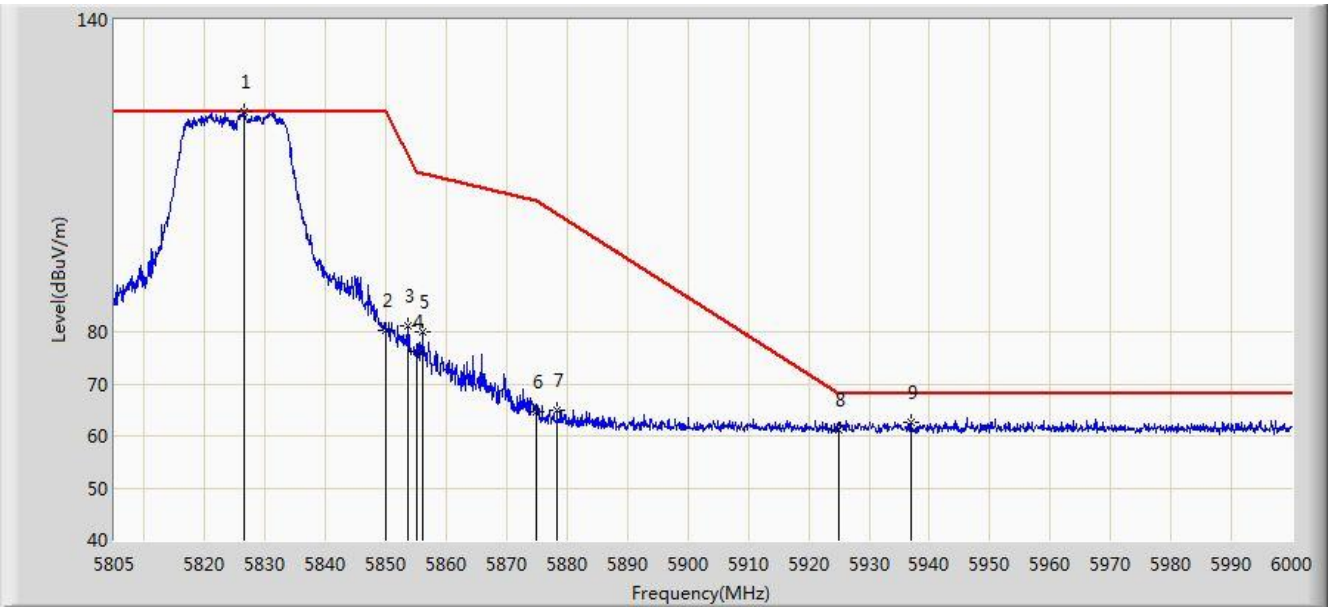


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.498	101.334	95.726	N/A	N/A	5.609	PK
2			5850.000	60.611	54.885	-61.589	122.200	5.726	PK
3			5852.190	61.896	56.161	-55.310	117.206	5.735	PK
4			5855.000	59.295	53.549	-51.505	110.800	5.746	PK
5			5872.470	60.902	55.091	-45.005	105.907	5.811	PK
6			5875.000	59.127	53.307	-46.073	105.200	5.820	PK
7			5900.550	61.063	55.158	-25.191	86.254	5.905	PK
8			5925.000	59.277	53.311	-8.923	68.200	5.967	PK
9			5940.428	61.391	55.386	-6.809	68.200	6.004	PK

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

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

Site: AC1	Time: 2017/12/13 - 22:38
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0 + 1 (Beam-Forming Mode)	

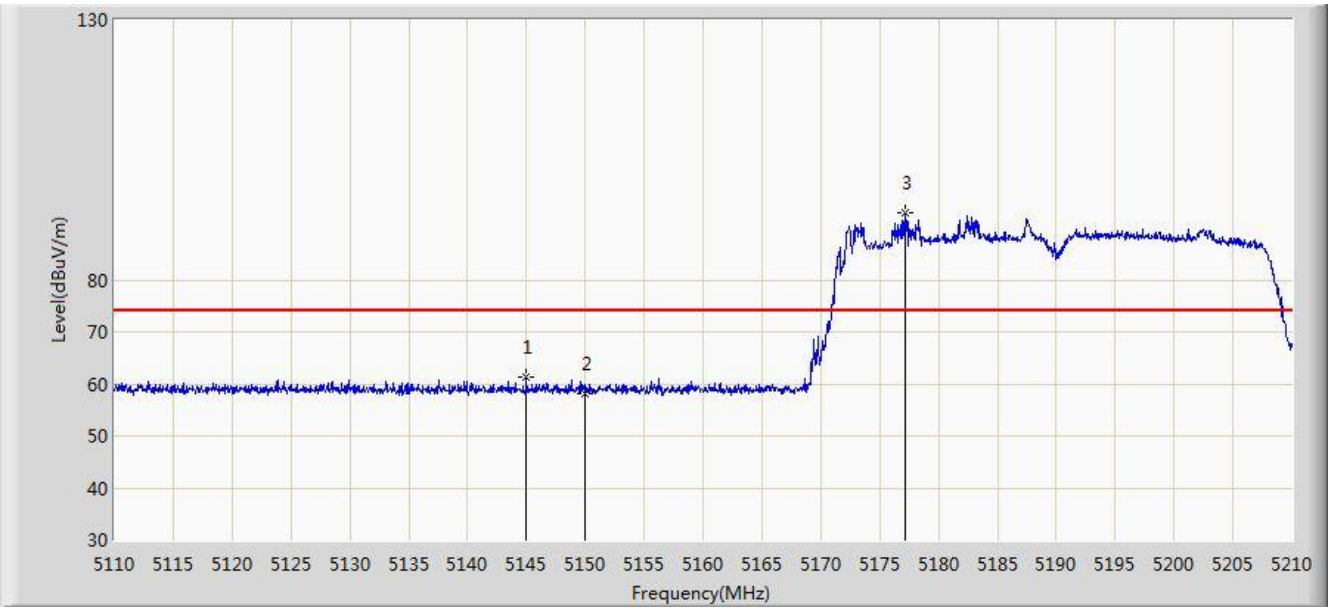


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.450	122.270	116.674	N/A	N/A	5.596	PK
2			5850.000	80.267	74.541	-41.933	122.200	5.726	PK
3			5853.652	81.186	75.445	-32.687	113.872	5.741	PK
4			5855.000	76.246	70.500	-34.554	110.800	5.746	PK
5			5856.090	80.096	74.345	-30.399	110.494	5.751	PK
6			5875.000	64.562	58.742	-40.638	105.200	5.820	PK
7			5878.320	65.039	59.208	-37.694	102.733	5.831	PK
8			5925.000	61.218	55.252	-6.982	68.200	5.967	PK
9			5936.917	62.691	56.695	-5.509	68.200	5.996	PK

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

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

Site: AC1	Time: 2017/12/13 - 22:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1 (Beam-Forming Mode)	

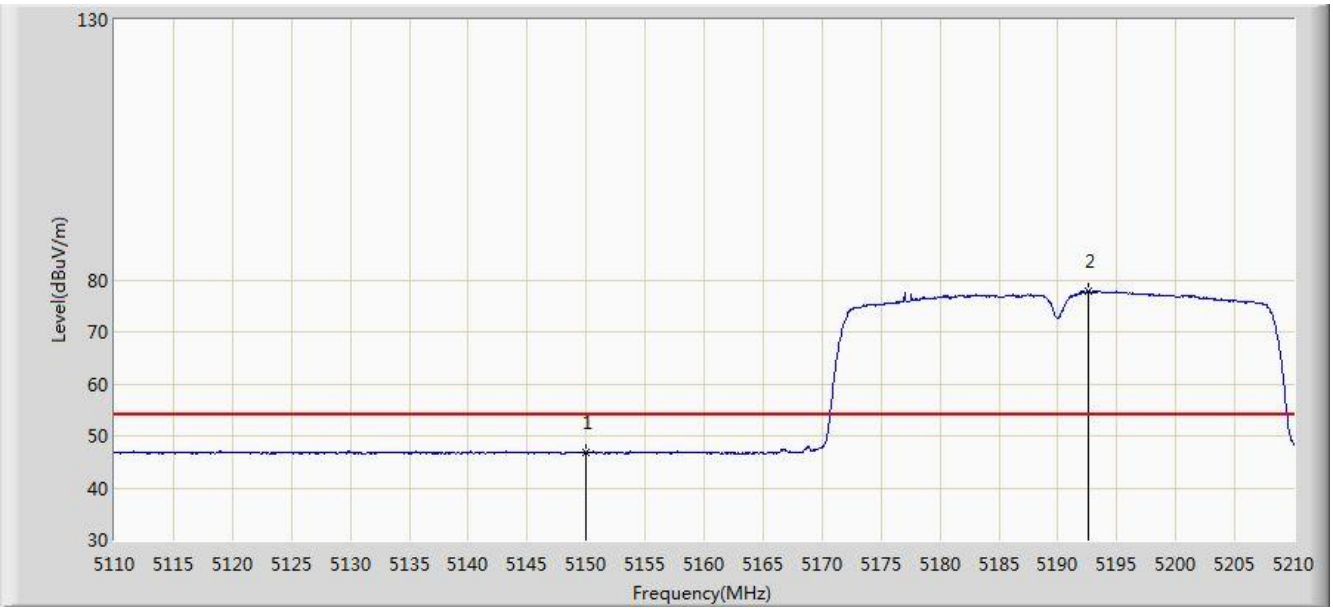


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.000	61.380	57.204	-12.620	74.000	4.175	PK
2			5150.000	58.175	54.006	-15.825	74.000	4.170	PK
3			5177.150	92.870	88.791	N/A	N/A	4.080	PK

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

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

Site: AC1	Time: 2017/12/13 - 22:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1 (Beam-Forming Mode)	

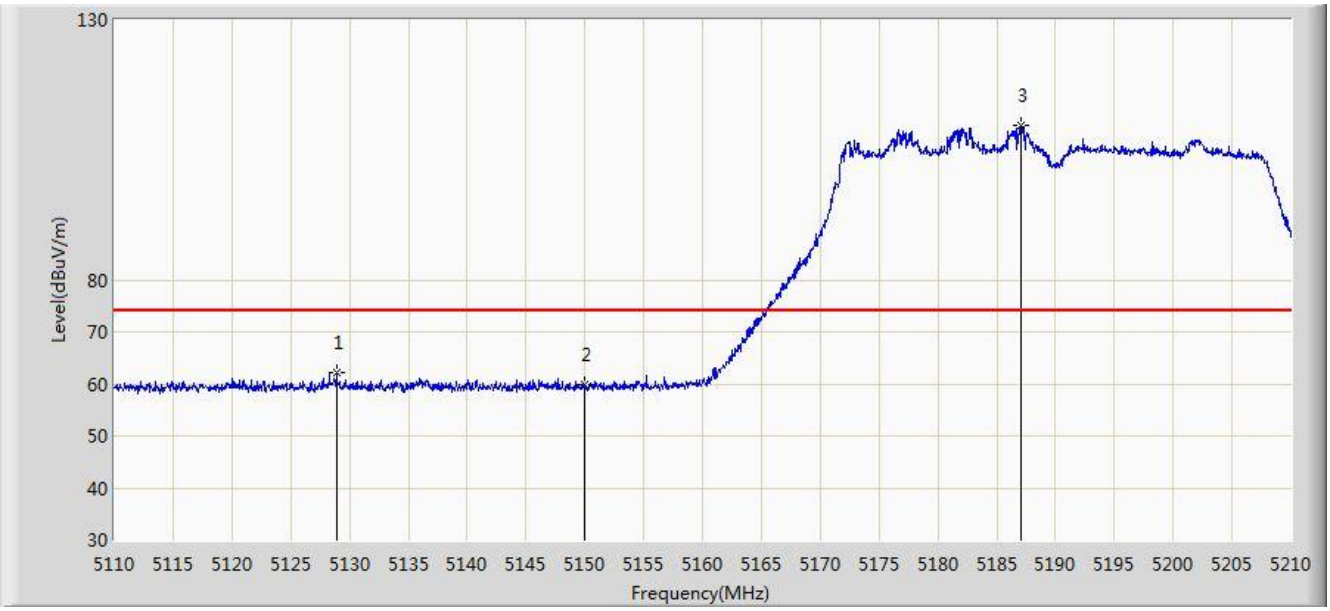


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.758	42.589	-7.242	54.000	4.170	AV
2			5192.550	77.799	73.775	N/A	N/A	4.024	AV

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

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

Site: AC1	Time: 2017/12/13 - 22:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1 (Beam-Forming Mode)	

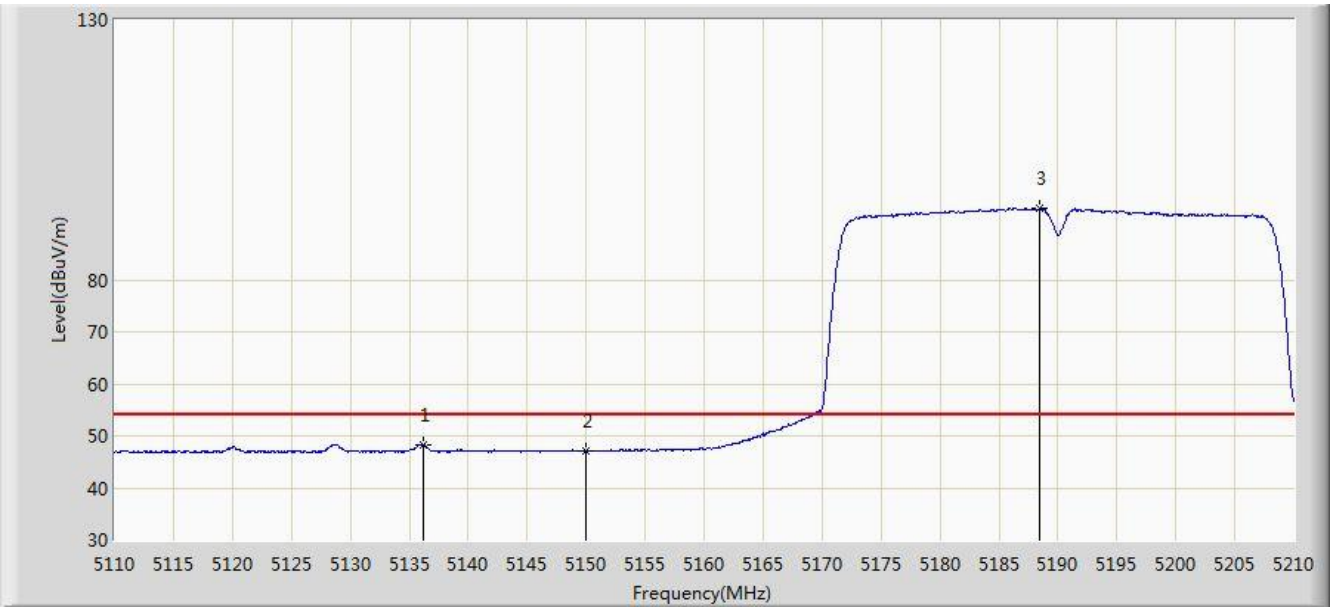


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5128.900	62.314	58.139	-11.686	74.000	4.175	PK
2			5150.000	59.753	55.584	-14.247	74.000	4.170	PK
3			5187.100	109.629	105.585	N/A	N/A	4.045	PK

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

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

Site: AC1	Time: 2017/12/13 - 22:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1 (Beam-Forming Mode)	

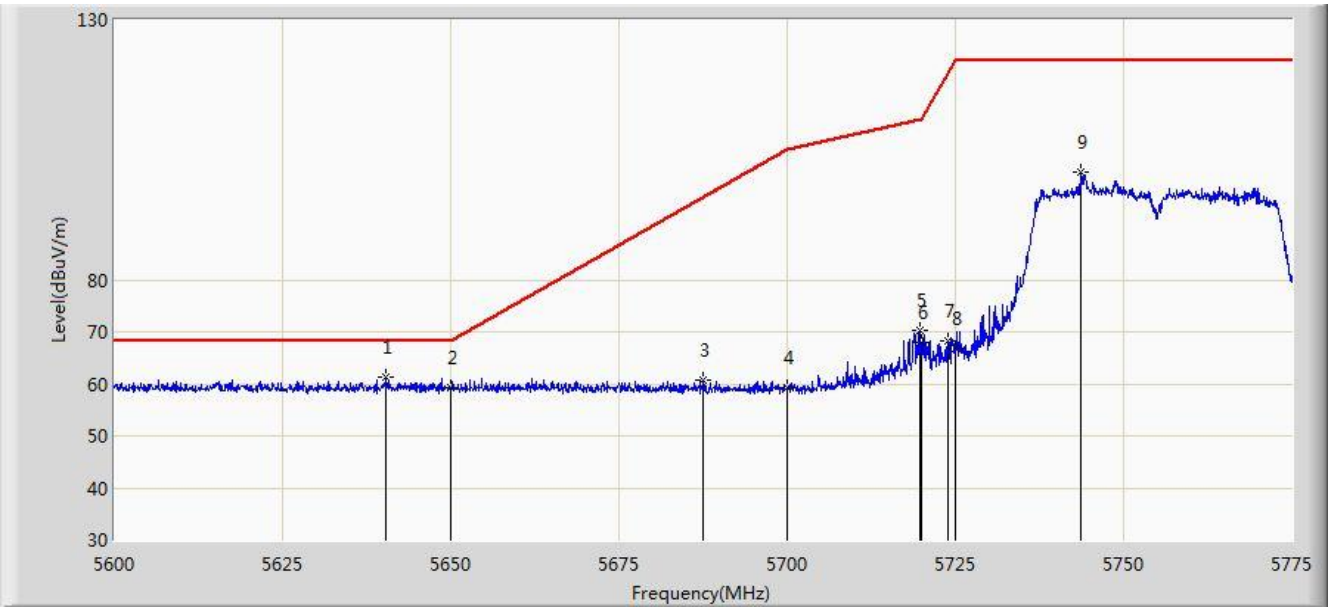


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5136.250	48.169	43.994	-5.831	54.000	4.175	AV
2			5150.000	47.035	42.866	-6.965	54.000	4.170	AV
3			5188.450	93.822	89.783	N/A	N/A	4.039	AV

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

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

Site: AC1	Time: 2017/12/13 - 23:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5745MHz Ant 0 + 1 (Beam-Forming Mode)	

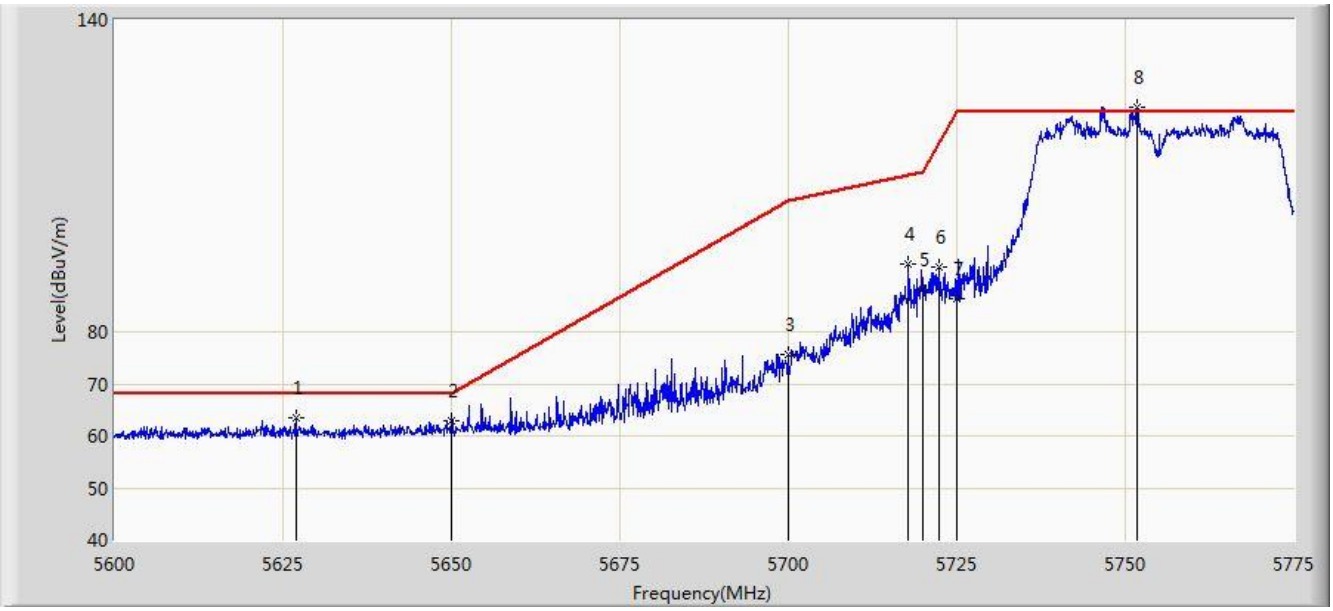


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5640.337	61.244	56.605	-6.956	68.200	4.638	PK
2			5650.000	59.200	54.529	-9.000	68.200	4.671	PK
3			5687.500	60.738	55.921	-35.242	95.981	4.818	PK
4			5700.000	59.359	54.481	-45.841	105.200	4.878	PK
5			5719.788	70.385	65.389	-40.356	110.741	4.995	PK
6			5720.000	67.830	62.833	-42.970	110.800	4.997	PK
7			5723.812	68.206	63.185	-51.286	119.492	5.022	PK
8			5725.000	66.698	61.669	-55.502	122.200	5.029	PK
9			5743.675	100.717	95.570	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) (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/13 - 23:12
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5745MHz Ant 0 + 1 (Beam-Forming Mode)	

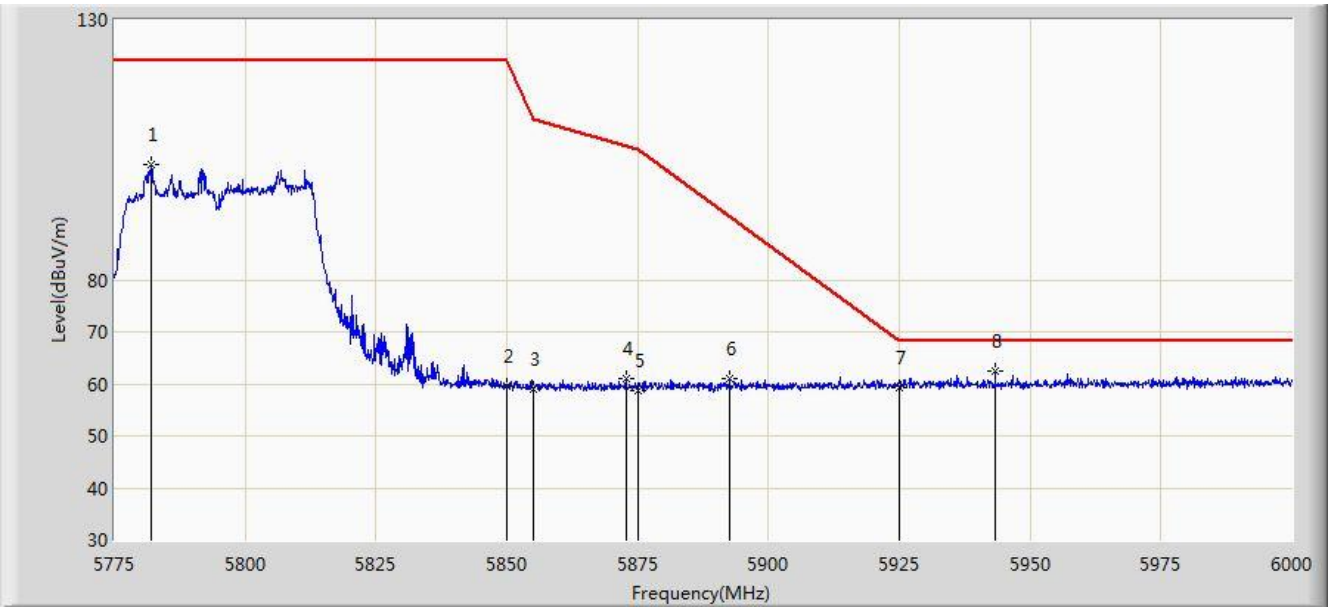


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5626.950	63.410	58.810	-4.790	68.200	4.601	PK
2			5650.000	62.967	58.296	-5.233	68.200	4.671	PK
3			5700.000	75.619	70.741	-29.581	105.200	4.878	PK
4			5717.862	92.939	87.956	-17.263	110.202	4.983	PK
5			5720.000	88.180	83.183	-22.620	110.800	4.997	PK
6			5722.325	92.514	87.502	-23.588	116.102	5.012	PK
7			5725.000	86.414	81.385	-35.786	122.200	5.029	PK
8			5751.725	123.131	117.938	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) (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/13 - 23:14
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0 + 1 (Beam-Forming Mode)	

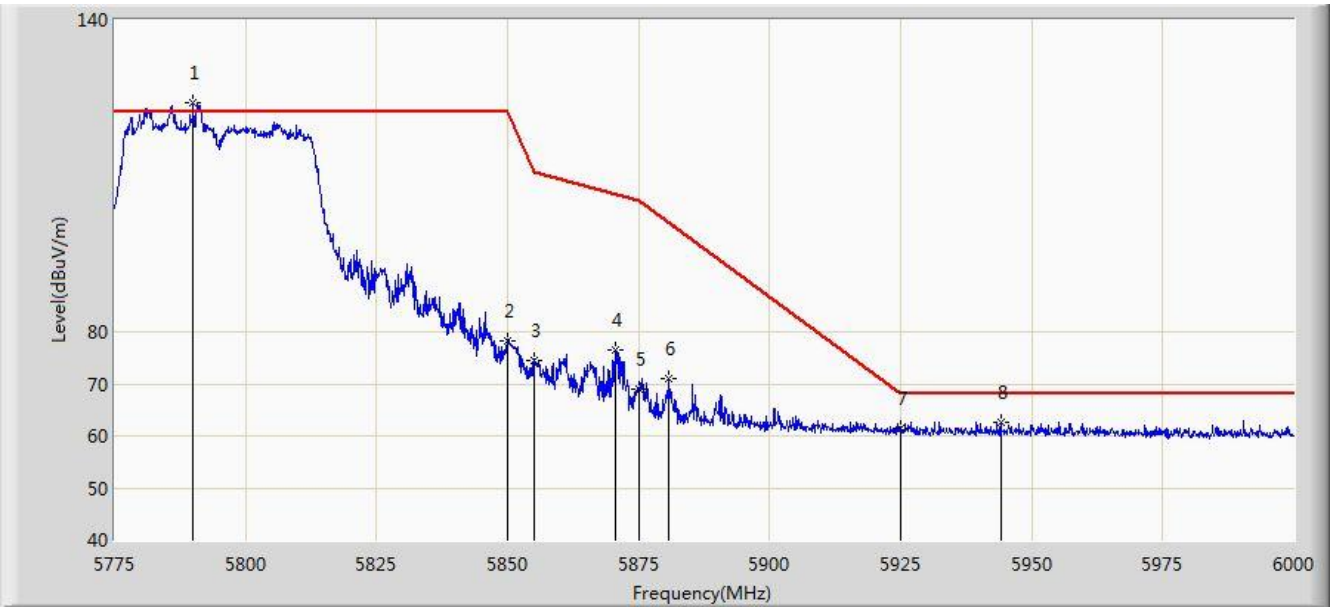


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5782.087	102.173	96.821	N/A	N/A	5.352	PK
2			5850.000	59.610	53.884	-62.590	122.200	5.726	PK
3			5855.000	59.000	53.254	-51.800	110.800	5.746	PK
4			5872.763	60.905	55.093	-44.920	105.825	5.812	PK
5			5875.000	58.769	52.949	-46.431	105.200	5.820	PK
6			5892.562	61.009	55.129	-31.159	92.168	5.880	PK
7			5925.000	59.408	53.442	-8.792	68.200	5.967	PK
8			5943.300	62.472	56.461	-5.728	68.200	6.011	PK

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

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

Site: AC1	Time: 2017/12/13 - 23:17
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0 + 1 (Beam-Forming Mode)	

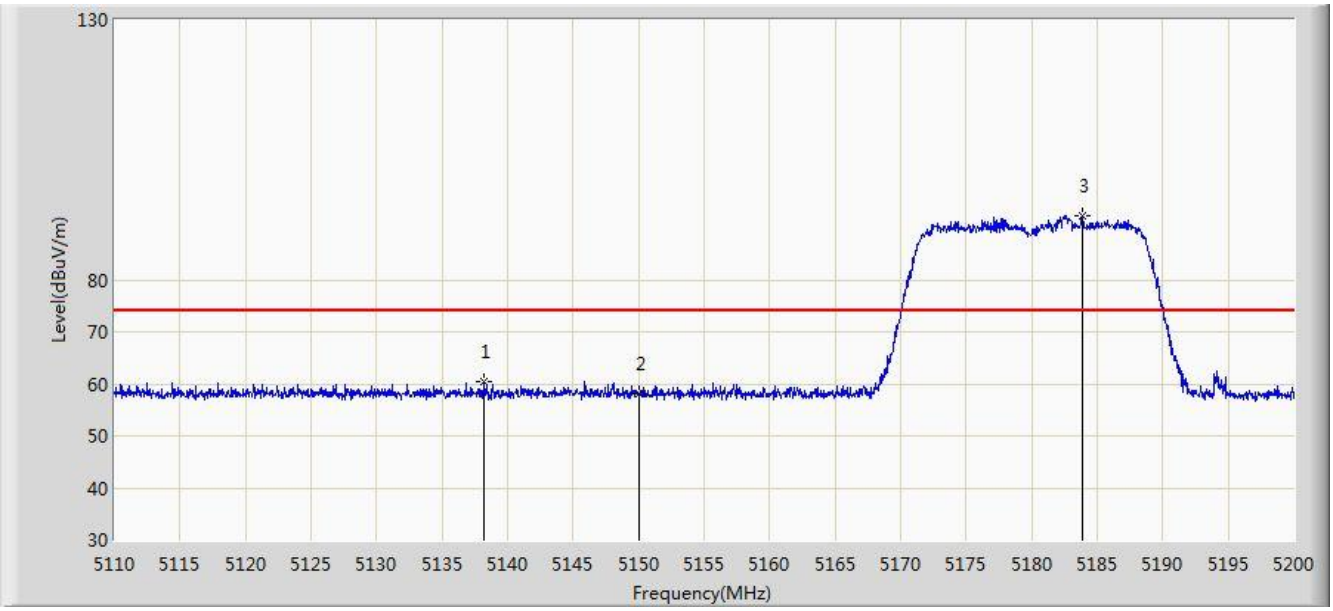


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5790.075	123.943	118.551	N/A	N/A	5.392	PK
2			5850.000	78.389	72.663	-43.811	122.200	5.726	PK
3			5855.000	74.546	68.800	-36.254	110.800	5.746	PK
4			5870.513	76.510	70.706	-29.944	106.455	5.805	PK
5			5875.000	68.965	63.145	-36.235	105.200	5.820	PK
6			5880.862	70.884	65.044	-29.962	100.846	5.840	PK
7			5925.000	61.454	55.488	-6.746	68.200	5.967	PK
8			5944.087	62.681	56.668	-5.519	68.200	6.012	PK

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

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

Site: AC1	Time: 2017/12/13 - 23:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0 + 1 (Beam-Forming Mode)	

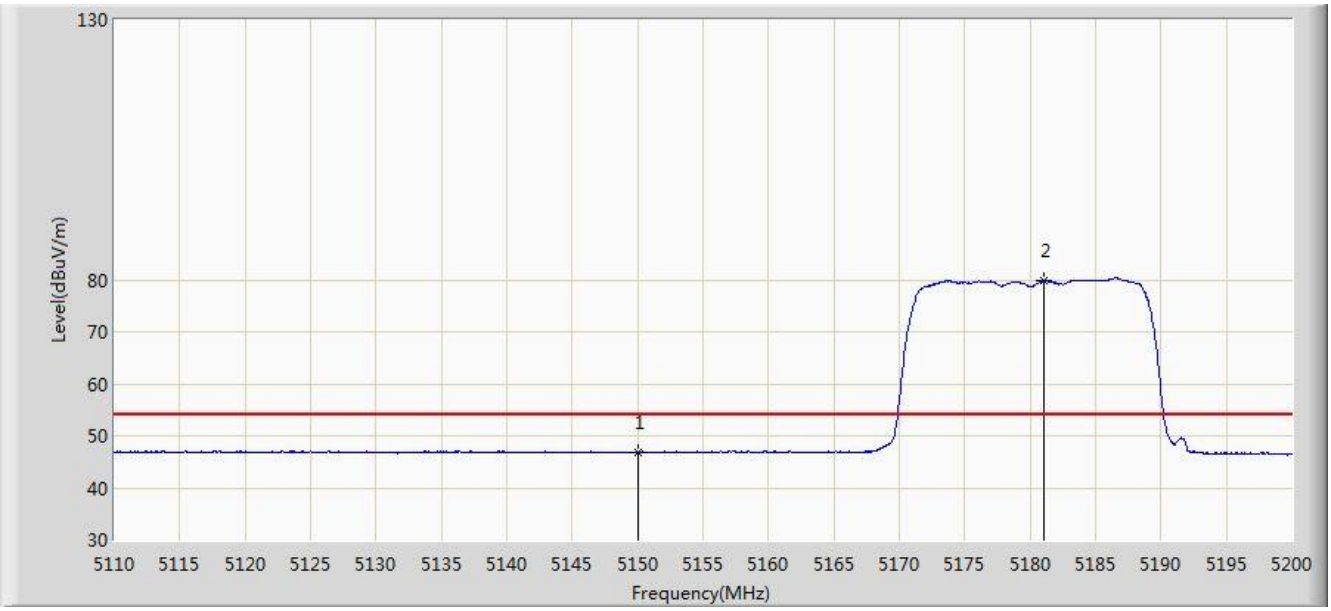


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5138.170	60.401	56.226	-13.599	74.000	4.176	PK
2			5150.000	58.142	53.973	-15.858	74.000	4.170	PK
3			5183.890	92.340	88.285	N/A	N/A	4.056	PK

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

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

Site: AC1	Time: 2017/12/13 - 23:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0 + 1 (Beam-Forming Mode)	

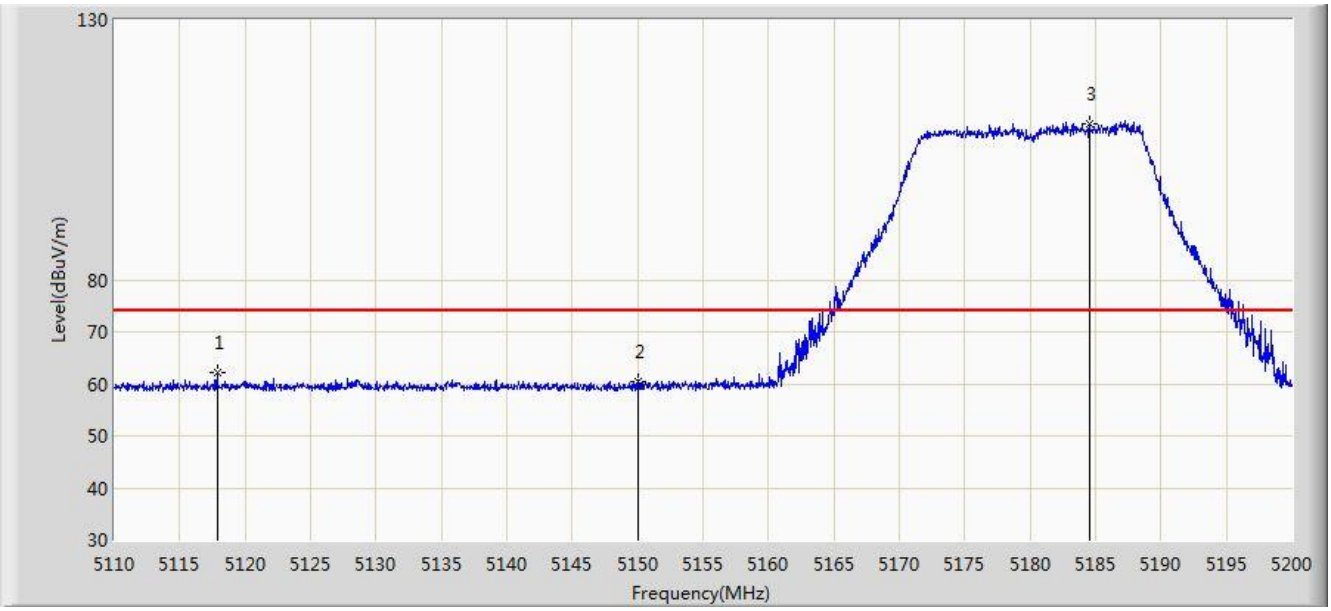


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.764	42.595	-7.236	54.000	4.170	AV
2			5181.100	79.848	75.783	N/A	N/A	4.064	AV

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

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

Site: AC1	Time: 2017/12/13 - 23:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0 + 1 (Beam-Forming Mode)	

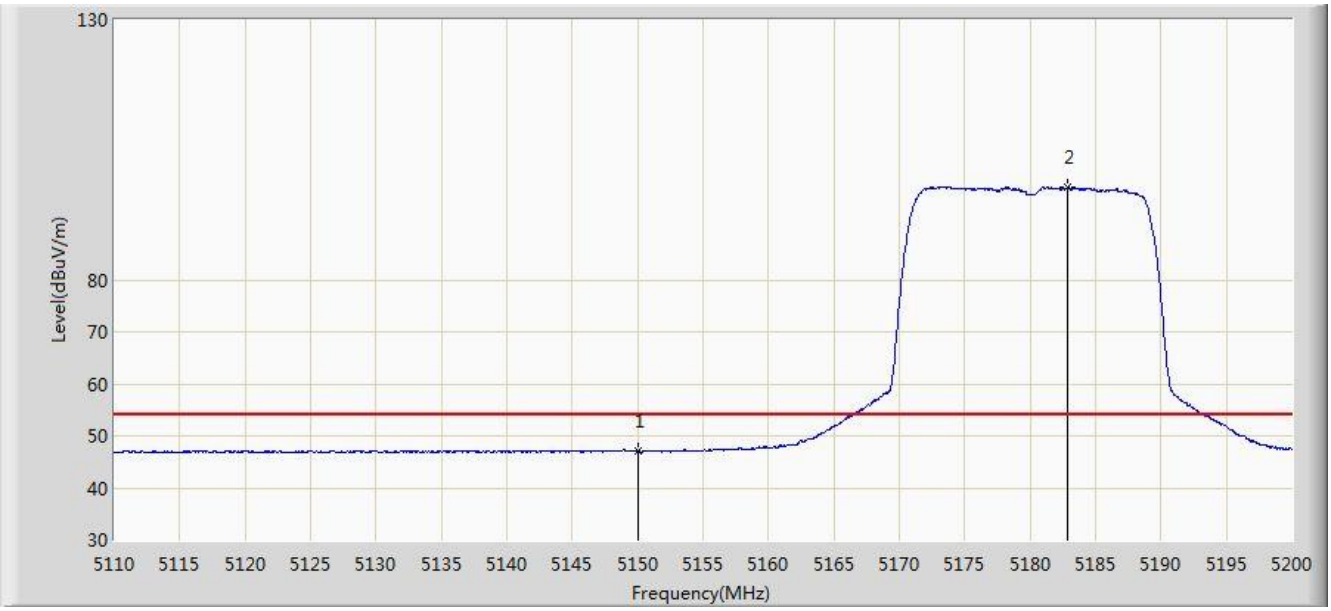


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5117.875	62.089	57.914	-11.911	74.000	4.175	PK
2			5150.000	60.476	56.307	-13.524	74.000	4.170	PK
3			5184.520	110.021	105.968	N/A	N/A	4.052	PK

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

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

Site: AC1	Time: 2017/12/13 - 23:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0 + 1 (Beam-Forming Mode)	

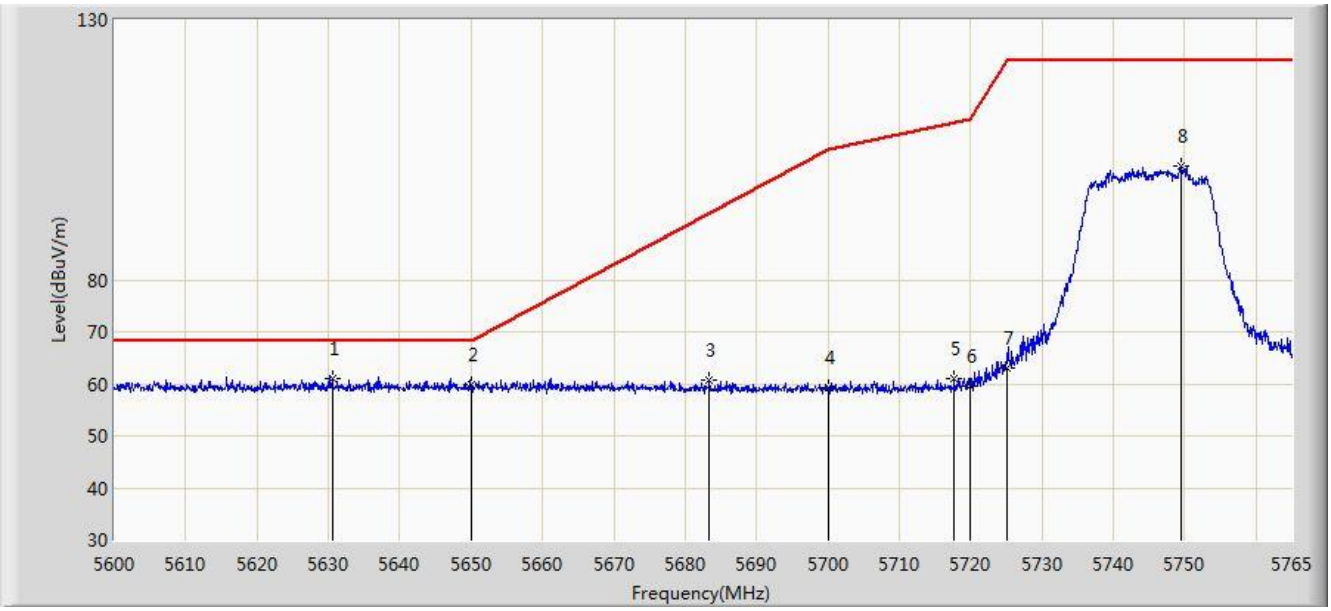


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.091	42.922	-6.909	54.000	4.170	AV
2			5182.900	97.688	93.629	N/A	N/A	4.059	AV

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

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

Site: AC1	Time: 2017/12/13 - 23:42
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0 + 1 (Beam-Forming Mode)	

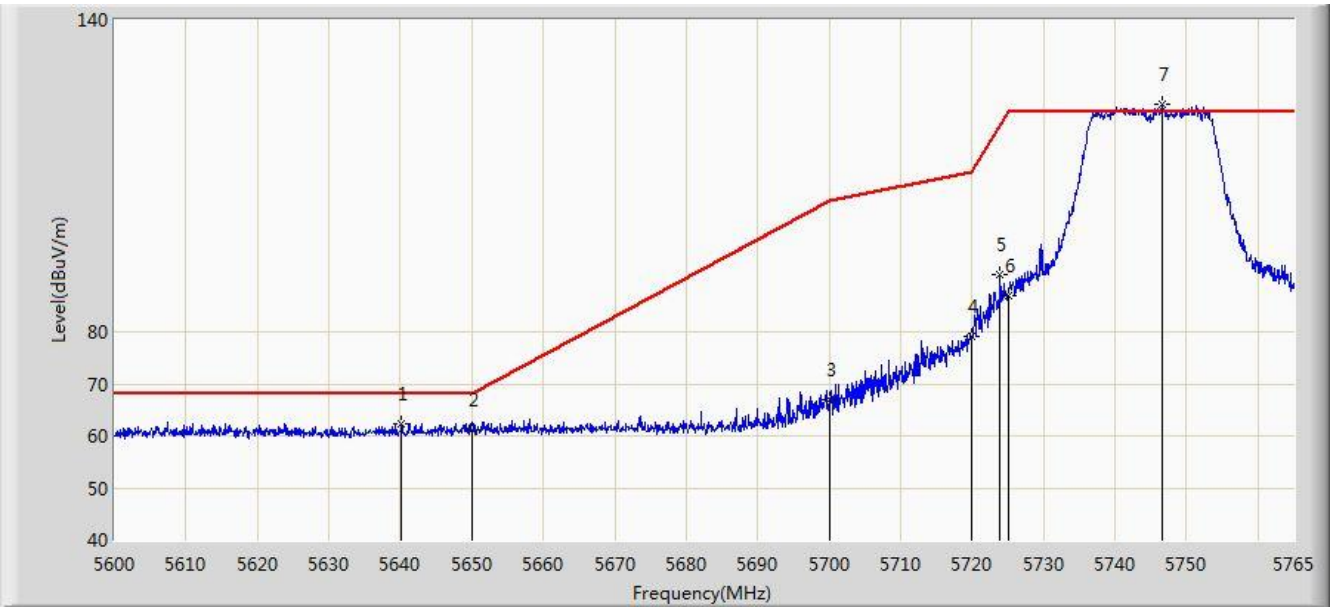


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5630.525	60.986	56.375	-7.214	68.200	4.611	PK
2			5650.000	59.725	55.054	-8.475	68.200	4.671	PK
3			5683.408	60.862	56.061	-32.096	92.958	4.800	PK
4			5700.000	59.314	54.436	-45.886	105.200	4.878	PK
5			5717.728	61.047	56.065	-49.118	110.165	4.982	PK
6			5720.000	59.564	54.567	-51.236	110.800	4.997	PK
7			5725.000	63.145	58.116	-59.055	122.200	5.029	PK
8			5749.572	101.927	96.746	N/A	N/A	5.180	PK

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

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

Site: AC1	Time: 2017/12/13 - 23:44
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0 + 1 (Beam-Forming Mode)	

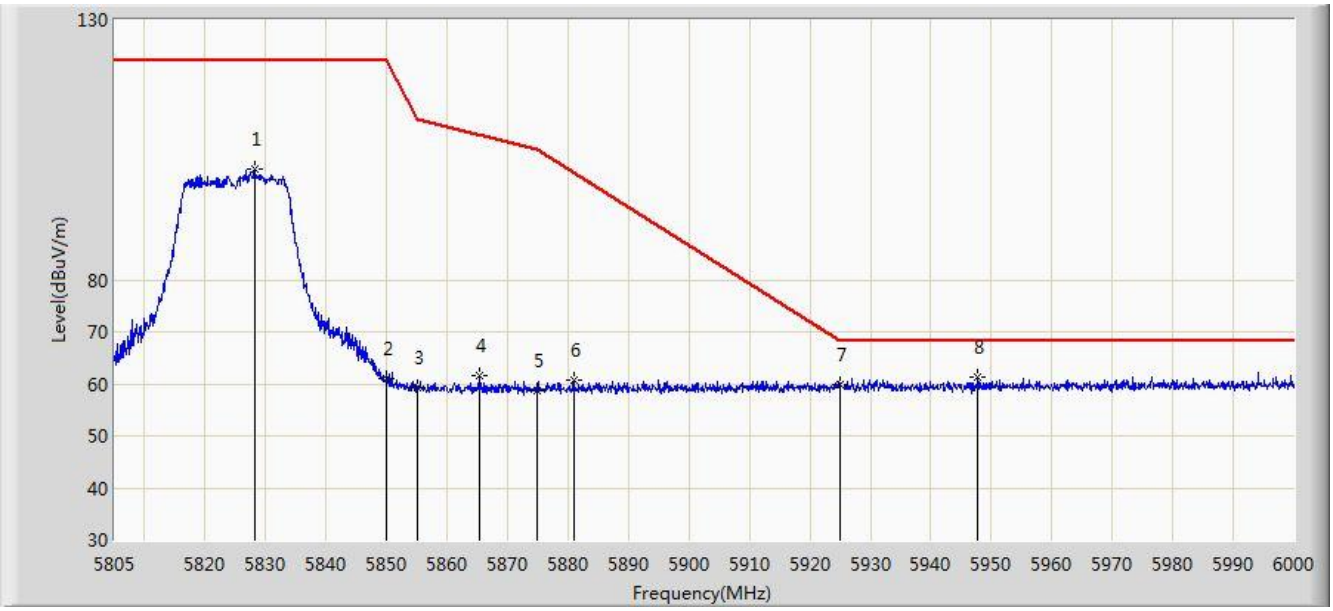


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5640.178	62.214	57.575	-5.986	68.200	4.638	PK
2			5650.000	61.027	56.356	-7.173	68.200	4.671	PK
3			5700.000	66.960	62.082	-38.240	105.200	4.878	PK
4			5720.000	79.089	74.092	-31.711	110.800	4.997	PK
5			5723.915	91.114	86.092	-28.613	119.727	5.022	PK
6			5725.000	86.940	81.911	-35.260	122.200	5.029	PK
7			5746.520	123.798	118.634	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) (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/12/13 - 23:46
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0 + 1 (Beam-Forming Mode)	

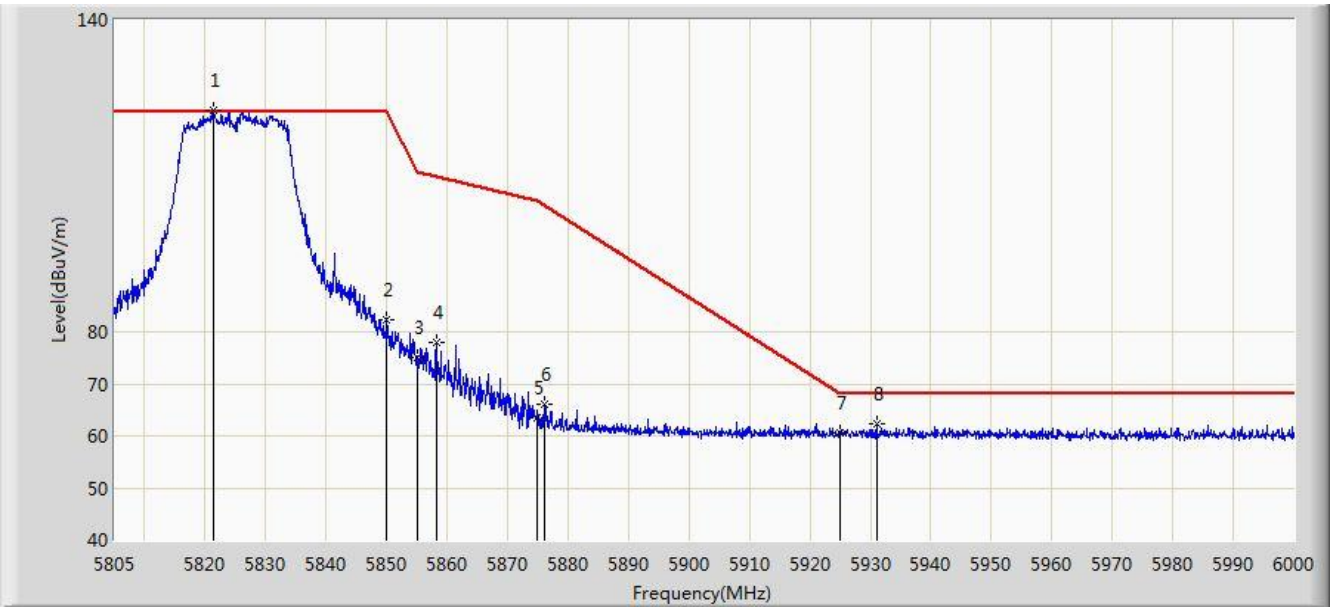


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.107	101.323	95.717	N/A	N/A	5.606	PK
2			5850.000	61.000	55.274	-61.200	122.200	5.726	PK
3			5855.000	59.310	53.564	-51.490	110.800	5.746	PK
4			5865.255	61.657	55.871	-46.269	107.926	5.786	PK
5			5875.000	58.728	52.908	-46.472	105.200	5.820	PK
6			5880.953	60.687	54.847	-40.091	100.778	5.841	PK
7			5925.000	59.985	54.019	-8.215	68.200	5.967	PK
8			5947.740	61.227	55.205	-6.973	68.200	6.021	PK

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

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

Site: AC1	Time: 2017/12/13 - 23:48
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0 + 1 (Beam-Forming Mode)	

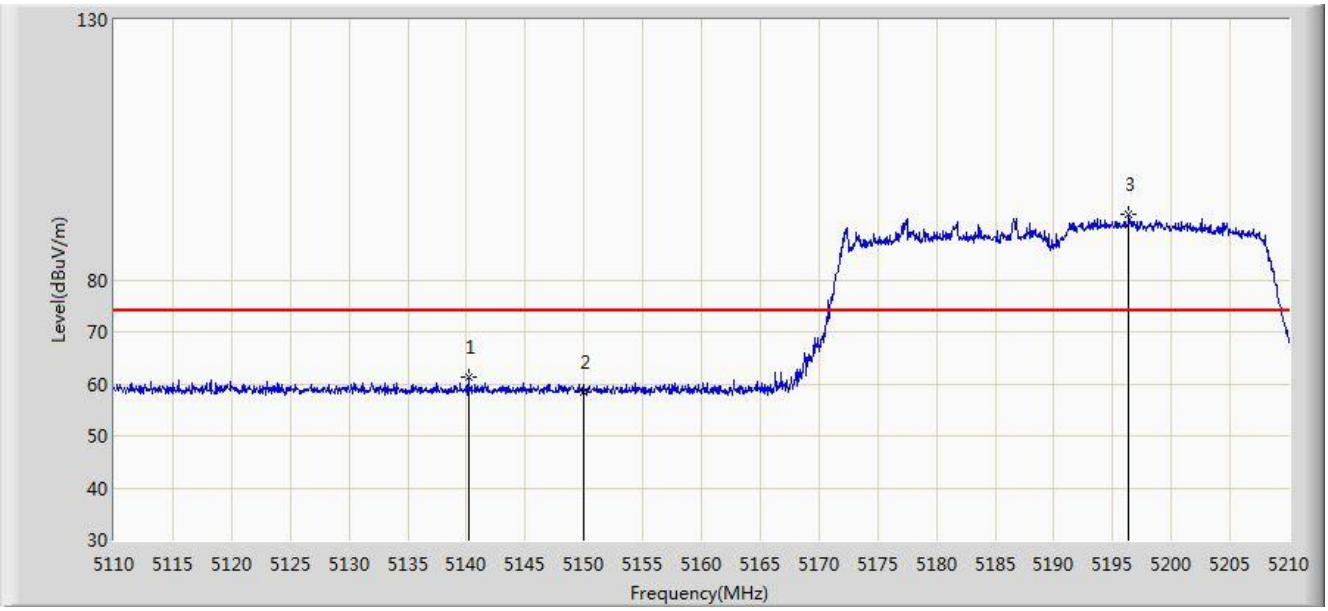


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5821.283	122.596	117.030	N/A	N/A	5.566	PK
2			5850.000	82.206	76.480	-39.994	122.200	5.726	PK
3			5855.000	75.022	69.276	-35.778	110.800	5.746	PK
4			5858.235	78.112	72.352	-31.781	109.893	5.760	PK
5			5875.000	63.471	57.651	-41.729	105.200	5.820	PK
6			5876.175	66.205	60.381	-38.122	104.327	5.824	PK
7			5925.000	60.659	54.693	-7.541	68.200	5.967	PK
8			5930.970	62.181	56.200	-6.019	68.200	5.981	PK

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

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

Site: AC1	Time: 2017/12/13 - 23:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0 + 1 (Beam-Forming Mode)	

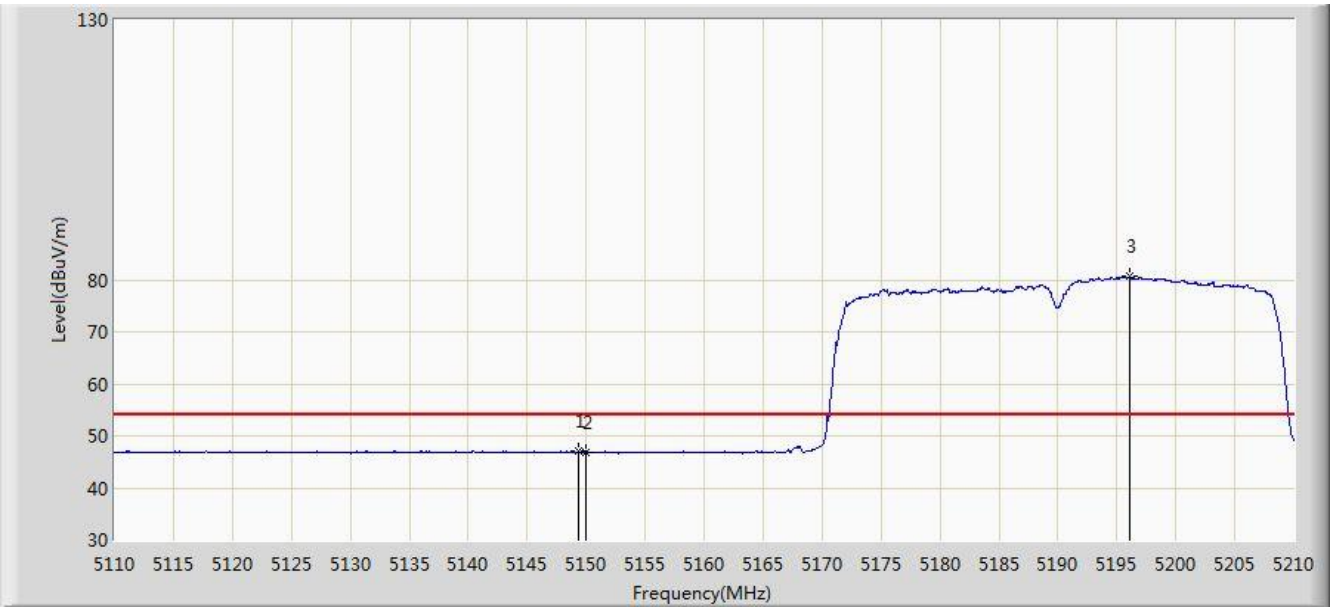


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.150	61.279	57.104	-12.721	74.000	4.175	PK
2			5150.000	58.379	54.210	-15.621	74.000	4.170	PK
3			5196.400	92.470	88.459	N/A	N/A	4.010	PK

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

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

Site: AC1	Time: 2017/12/13 - 23:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0 + 1 (Beam-Forming Mode)	

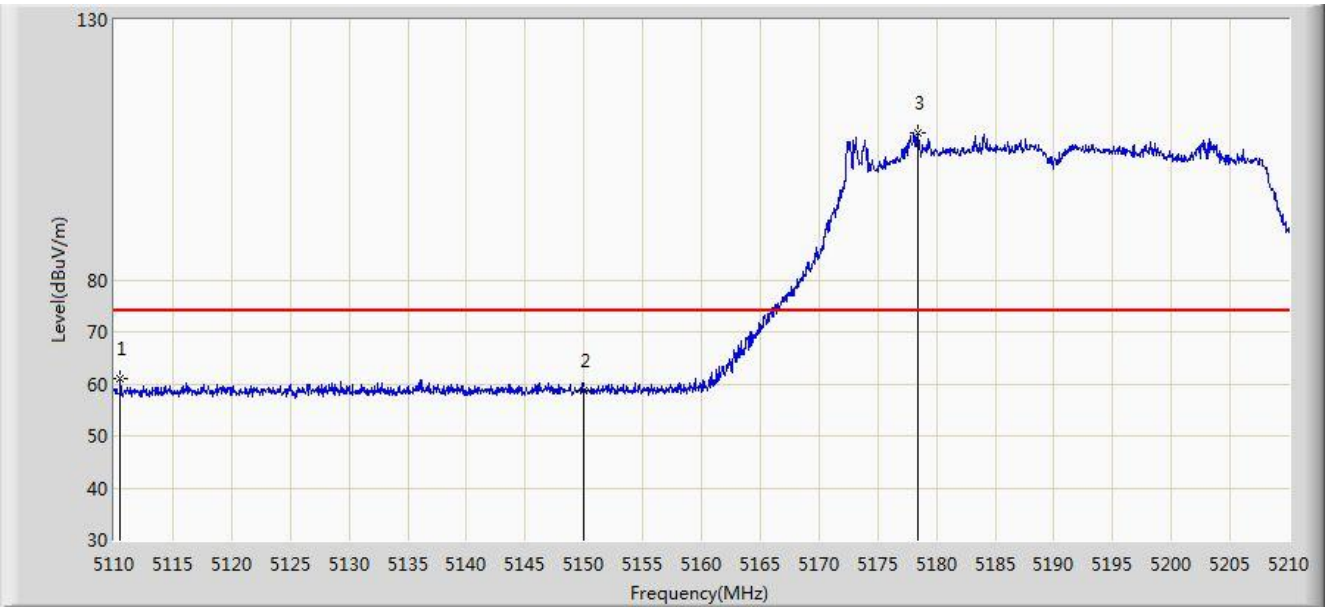


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.400	47.043	42.872	-6.957	54.000	4.171	AV
2			5150.000	46.828	42.659	-7.172	54.000	4.170	AV
3			5196.150	80.621	76.609	N/A	N/A	4.012	AV

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

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

Site: AC1	Time: 2017/12/13 - 23:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0 + 1 (Beam-Forming Mode)	

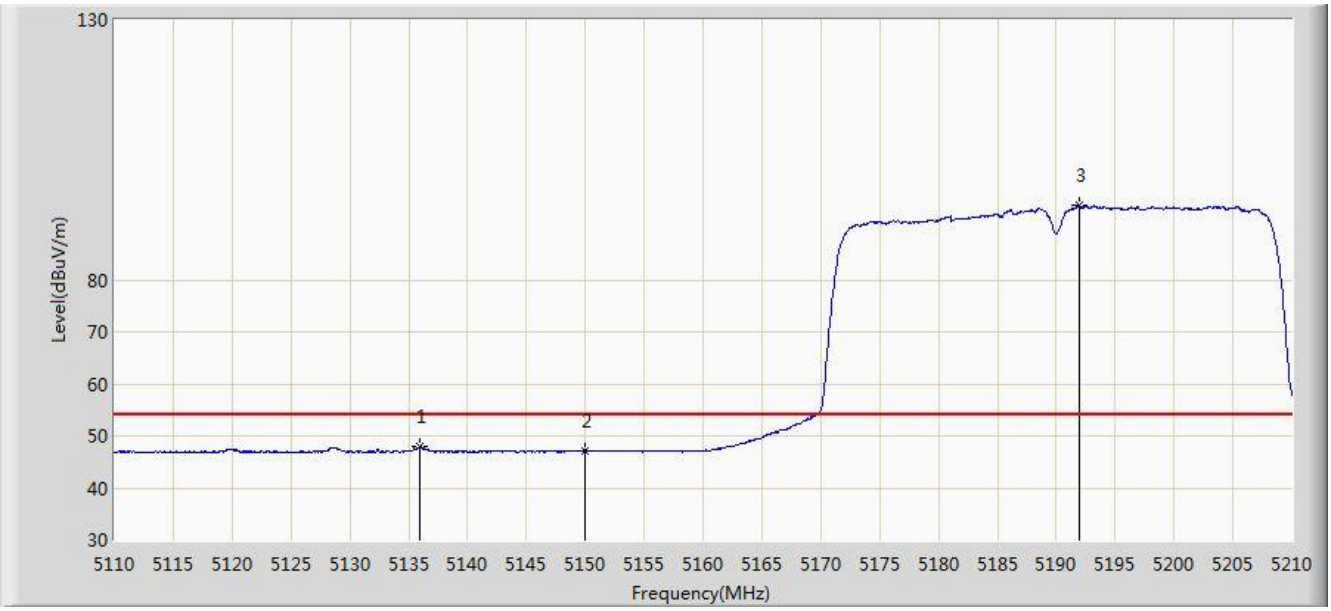


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5110.550	60.906	56.734	-13.094	74.000	4.172	PK
2			5150.000	58.688	54.519	-15.312	74.000	4.170	PK
3			5178.450	108.291	104.217	N/A	N/A	4.074	PK

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

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

Site: AC1	Time: 2017/12/13 - 23:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0 + 1 (Beam-Forming Mode)	

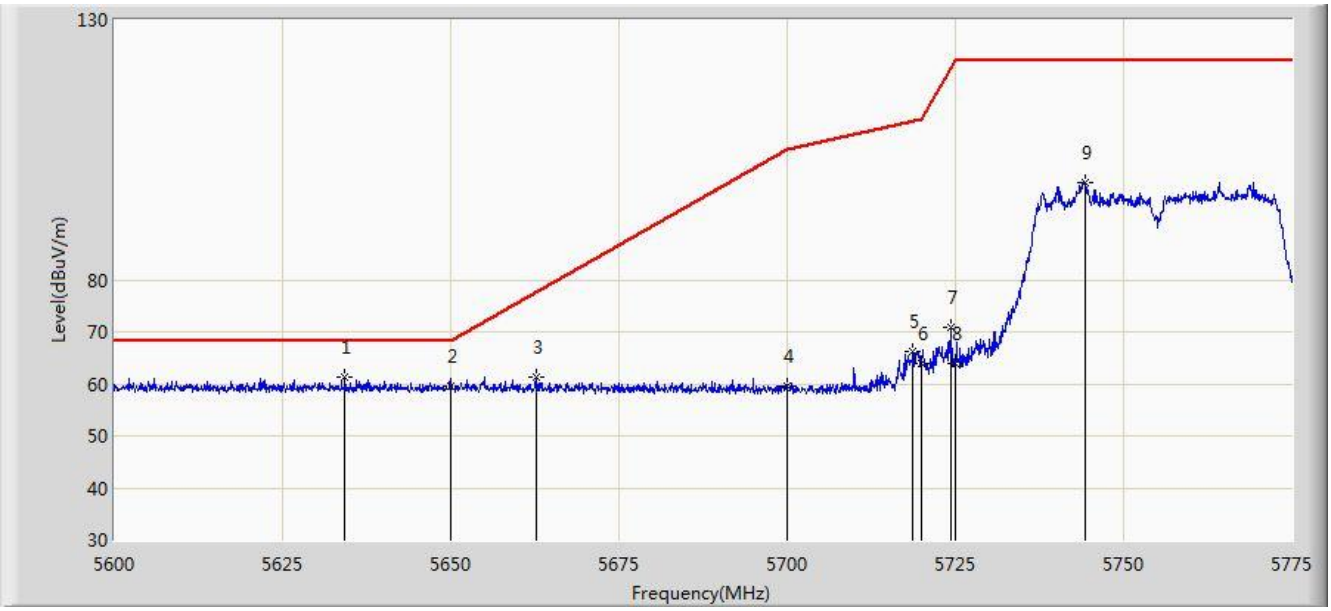


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5136.000	47.916	43.741	-6.084	54.000	4.175	AV
2			5150.000	47.139	42.970	-6.861	54.000	4.170	AV
3			5191.900	94.315	90.288	N/A	N/A	4.027	AV

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

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

Site: AC1	Time: 2017/12/14 - 00:19
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0 + 1 (Beam-Forming Mode)	

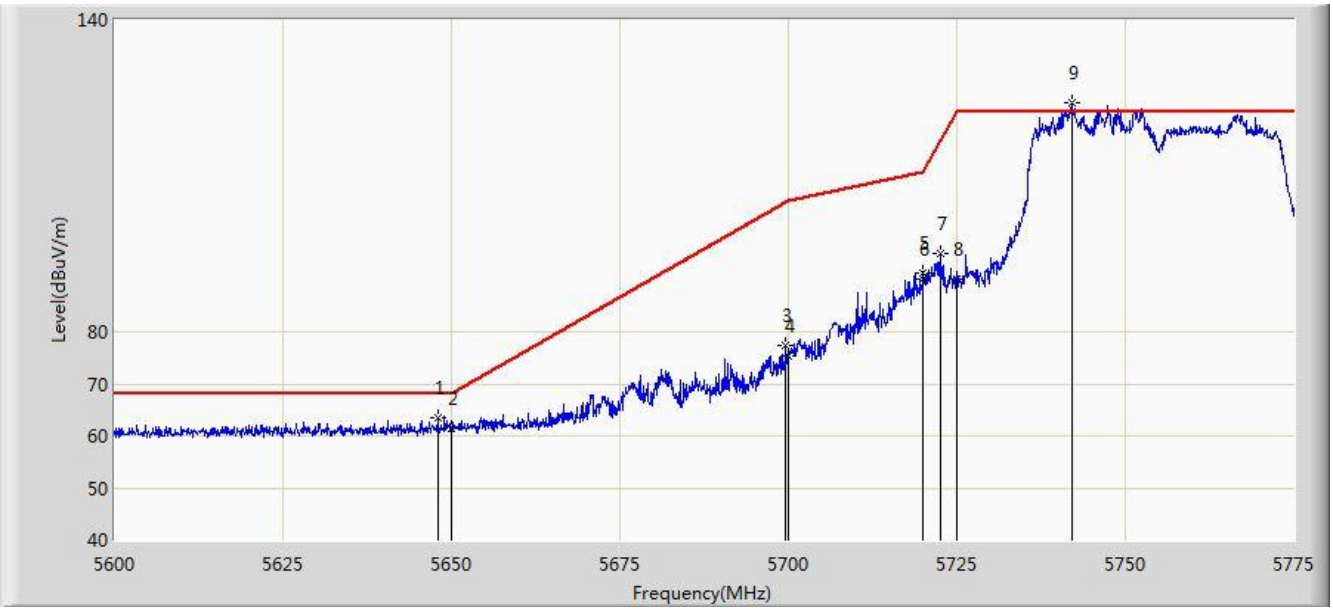


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5634.300	61.203	56.582	-6.997	68.200	4.621	PK
2			5650.000	59.685	55.014	-8.515	68.200	4.671	PK
3			5662.825	61.313	56.595	-16.408	77.722	4.719	PK
4			5700.000	59.636	54.758	-45.564	105.200	4.878	PK
5			5718.650	66.228	61.240	-44.194	110.423	4.989	PK
6			5720.000	63.972	58.975	-46.828	110.800	4.997	PK
7			5724.250	70.766	65.742	-49.724	120.491	5.024	PK
8			5725.000	63.886	58.857	-58.314	122.200	5.029	PK
9			5744.200	98.796	93.646	N/A	N/A	5.151	PK

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

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

Site: AC1	Time: 2017/12/14 - 00:20
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0 + 1 (Beam-Forming Mode)	

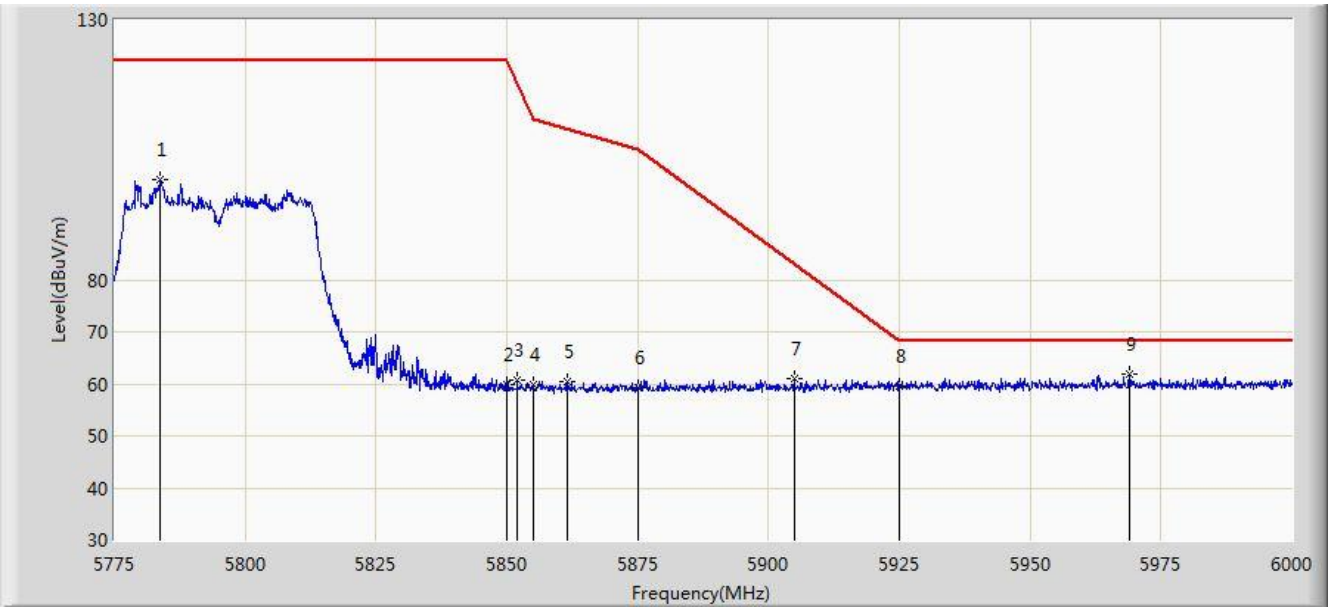


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.950	63.603	58.939	-4.597	68.200	4.665	PK
2			5650.000	61.373	56.702	-6.827	68.200	4.671	PK
3			5699.663	77.271	72.395	-27.680	104.952	4.877	PK
4			5700.000	75.257	70.379	-29.943	105.200	4.878	PK
5			5719.962	91.323	86.326	-19.467	110.789	4.997	PK
6			5720.000	90.250	85.253	-20.550	110.800	4.997	PK
7			5722.675	95.162	90.148	-21.738	116.900	5.014	PK
8			5725.000	90.136	85.107	-32.064	122.200	5.029	PK
9			5742.187	124.044	118.905	N/A	N/A	5.138	PK

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

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

Site: AC1	Time: 2017/12/14 - 00:22
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0 + 1 (Beam-Forming Mode)	

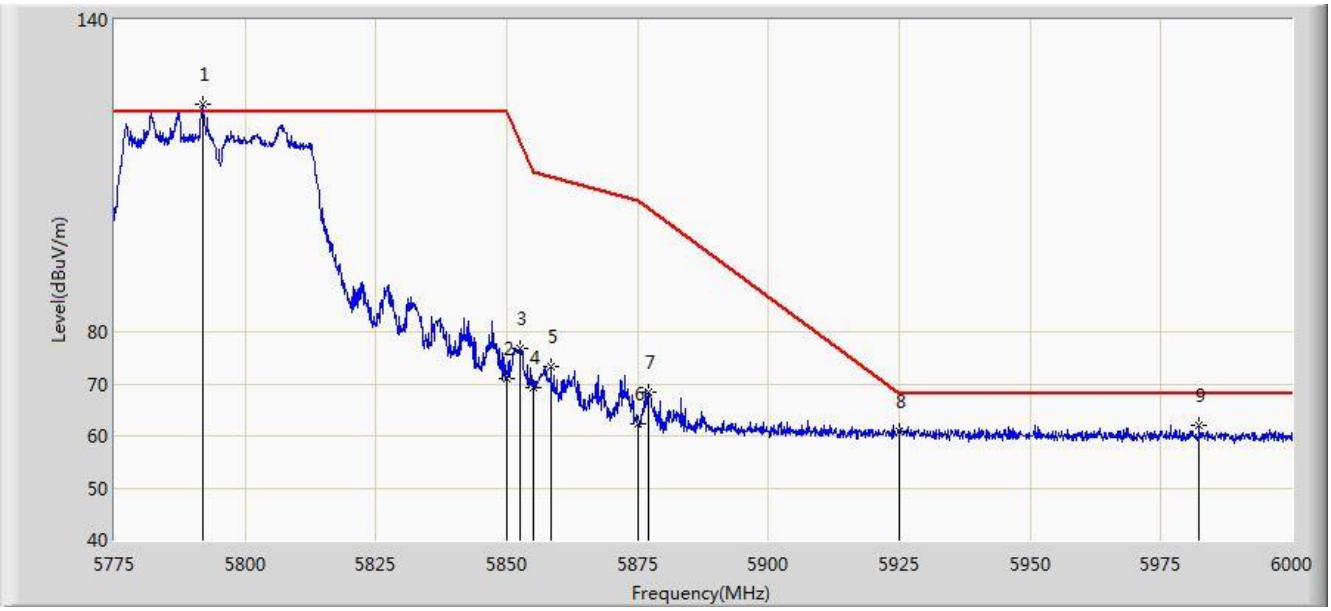


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5783.775	99.294	93.933	N/A	N/A	5.361	PK
2			5850.000	59.956	54.230	-62.244	122.200	5.726	PK
3			5851.950	60.748	55.014	-57.005	117.753	5.734	PK
4			5855.000	59.742	53.996	-51.058	110.800	5.746	PK
5			5861.513	60.481	54.708	-48.493	108.974	5.773	PK
6			5875.000	59.199	53.379	-46.001	105.200	5.820	PK
7			5904.937	60.963	55.047	-22.046	83.009	5.917	PK
8			5925.000	59.473	53.507	-8.727	68.200	5.967	PK
9			5969.062	61.914	55.855	-6.286	68.200	6.059	PK

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

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

Site: AC1	Time: 2017/12/14 - 00:24
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0 + 1 (Beam-Forming Mode)	

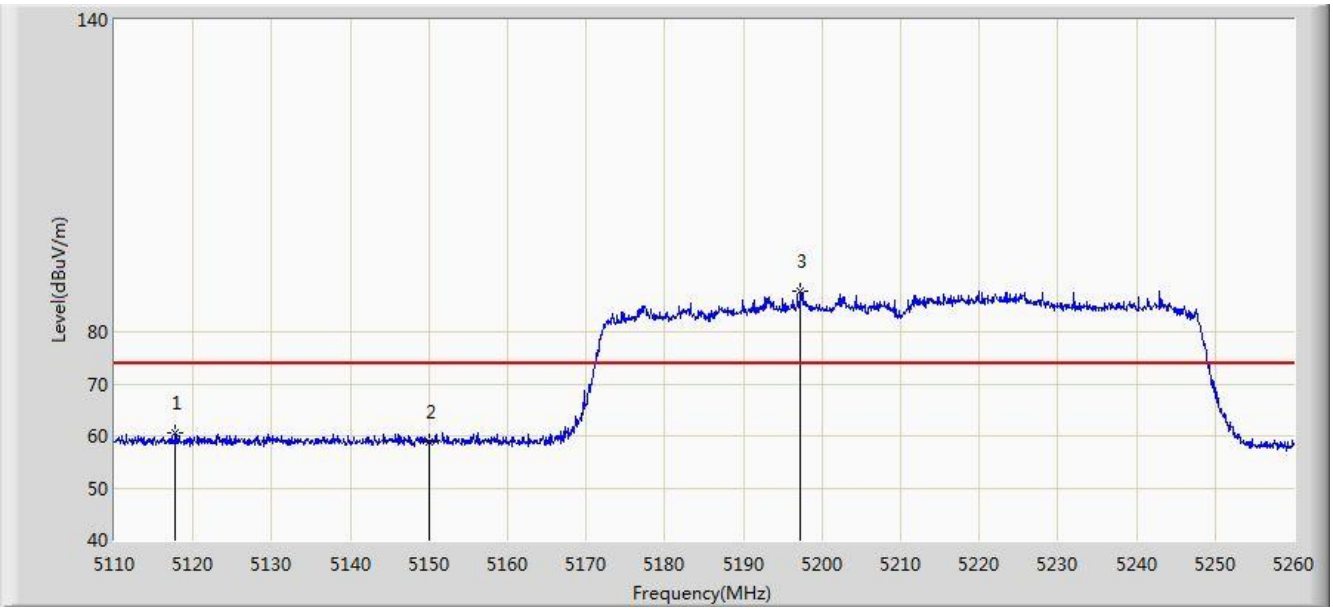


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5791.875	123.829	118.428	N/A	N/A	5.402	PK
2			5850.000	71.041	65.315	-51.159	122.200	5.726	PK
3			5852.625	76.890	71.154	-39.323	116.214	5.736	PK
4			5855.000	69.353	63.607	-41.447	110.800	5.746	PK
5			5858.475	73.330	67.569	-36.496	109.826	5.761	PK
6			5875.000	62.186	56.366	-43.014	105.200	5.820	PK
7			5877.150	68.441	62.614	-35.161	103.603	5.827	PK
8			5925.000	60.761	54.795	-7.439	68.200	5.967	PK
9			5982.337	62.160	56.078	-6.040	68.200	6.081	PK

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

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

Site: AC1	Time: 2017/12/14 - 00:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0 + 1 (Beam-Forming Mode)	

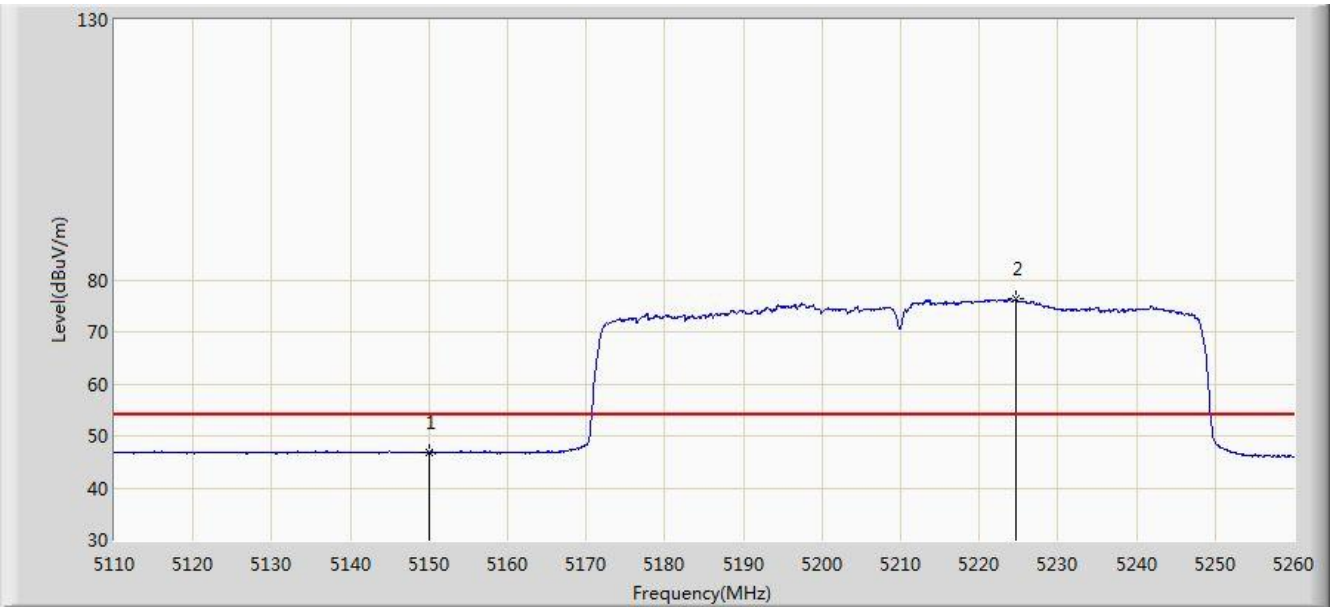


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5117.800	60.651	56.476	-13.349	74.000	4.175	PK
2			5150.000	58.897	54.728	-15.103	74.000	4.170	PK
3			5197.225	87.727	83.719	N/A	N/A	4.008	PK

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

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

Site: AC1	Time: 2017/12/14 - 00:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0 + 1 (Beam-Forming Mode)	

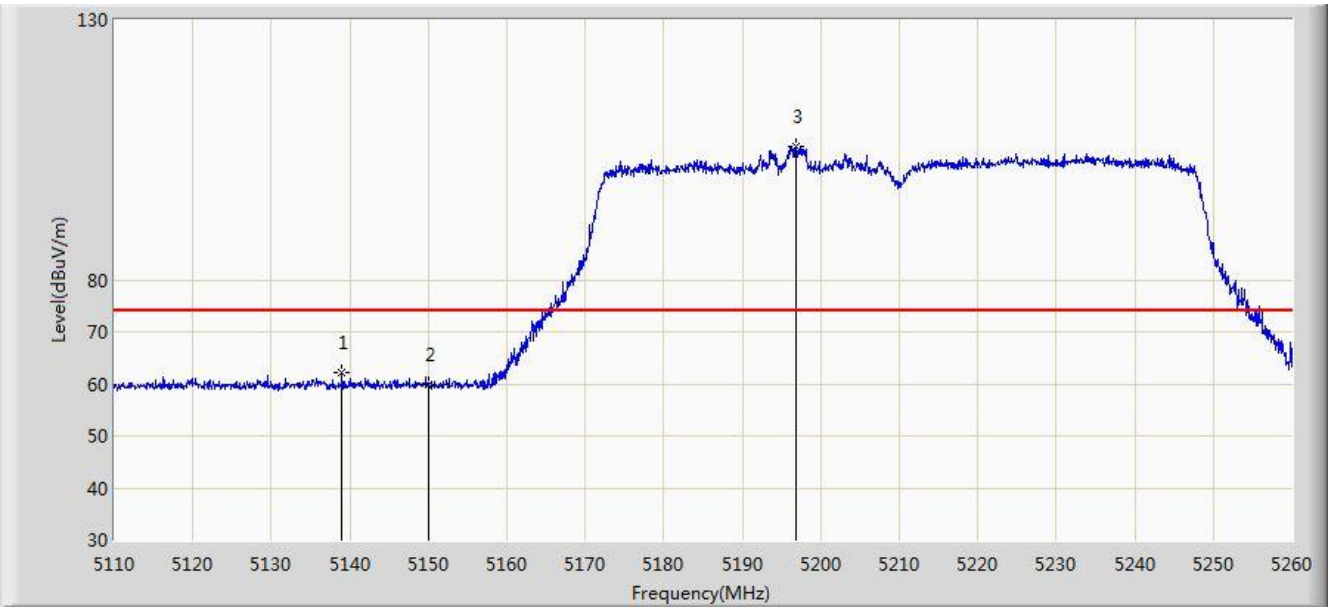


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.810	42.641	-7.190	54.000	4.170	AV
2			5224.750	76.260	72.335	N/A	N/A	3.925	AV

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

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

Site: AC1	Time: 2017/12/14 - 00:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0 + 1 (Beam-Forming Mode)	

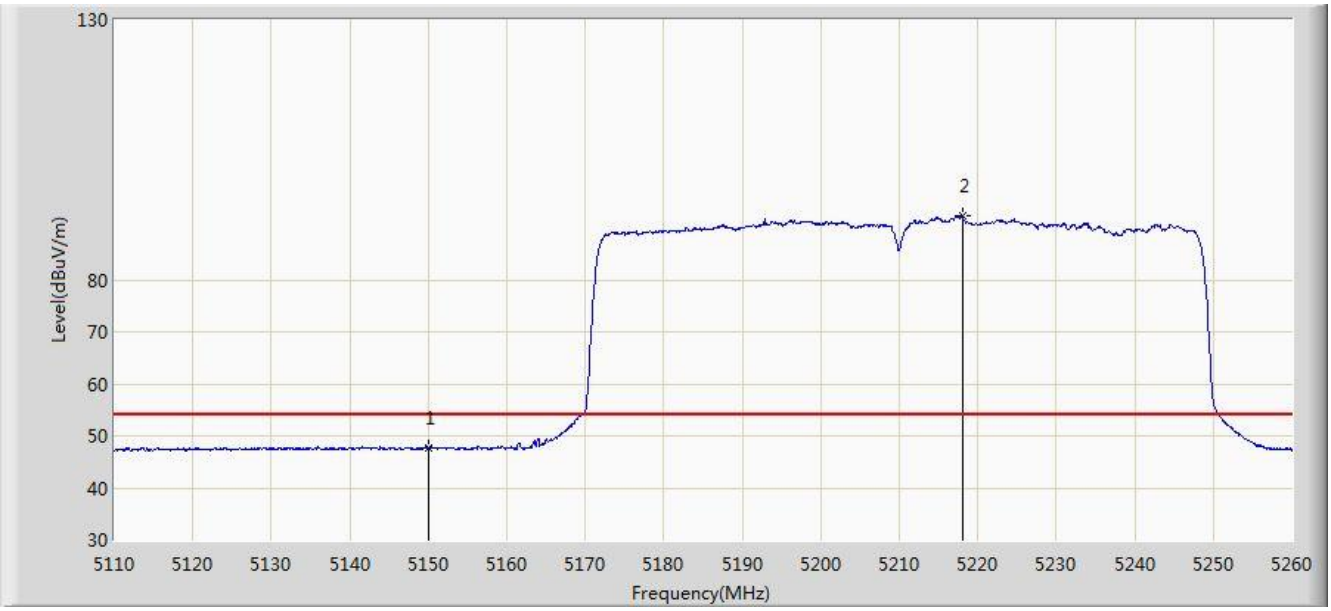


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5139.025	62.310	58.135	-11.690	74.000	4.176	PK
2			5150.000	59.999	55.830	-14.001	74.000	4.170	PK
3			5196.775	105.725	101.716	N/A	N/A	4.010	PK

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

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

Site: AC1	Time: 2017/12/14 - 00:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0 + 1 (Beam-Forming Mode)	

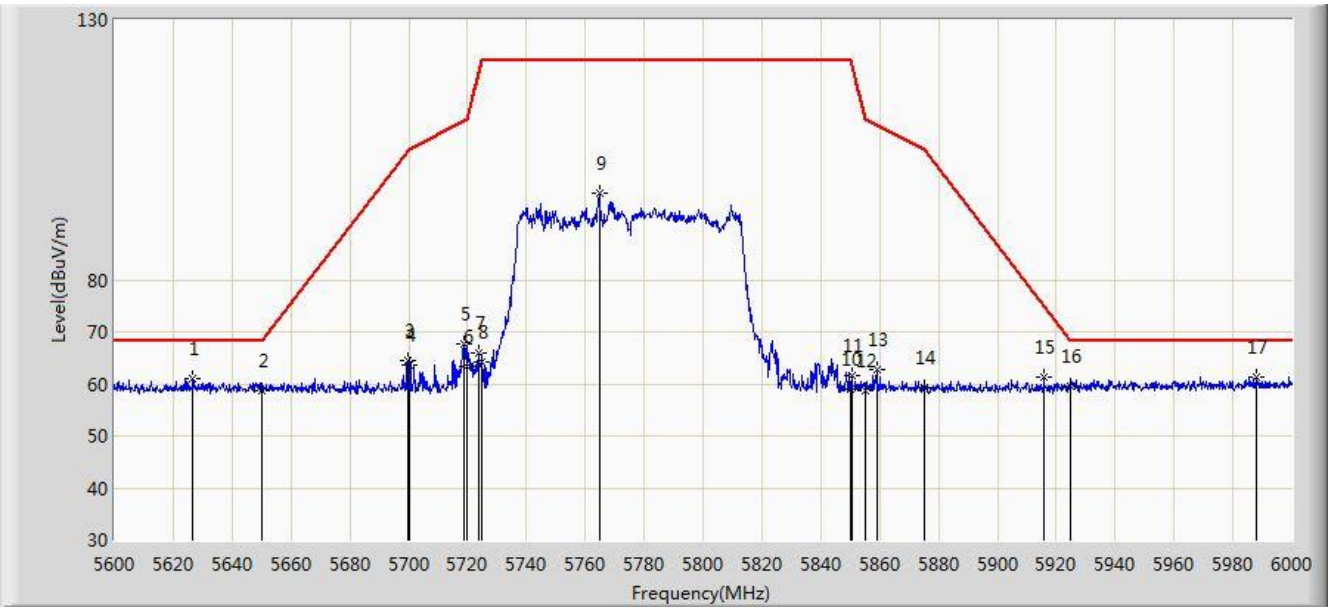


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.728	43.559	-6.272	54.000	4.170	AV
2			5218.000	92.188	88.243	N/A	N/A	3.945	AV

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

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

Site: AC1	Time: 2017/12/14 - 00:44
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0 + 1 (Beam-Forming Mode)	

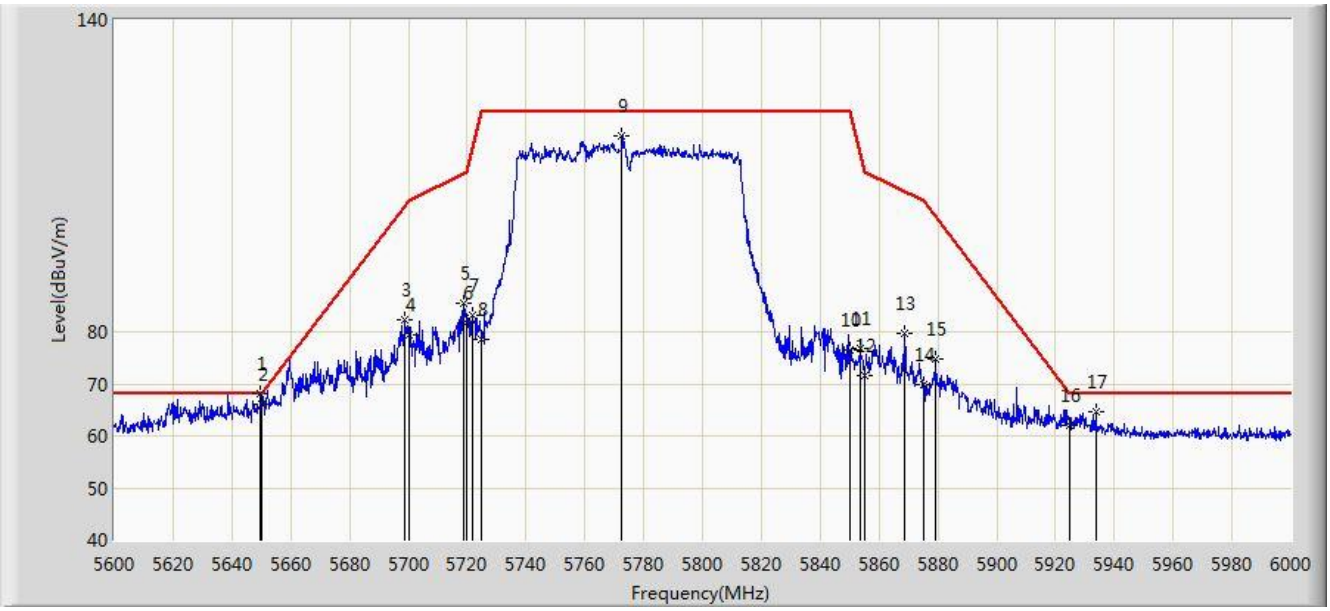


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5626.800	60.932	56.332	-7.268	68.200	4.601	PK
2			5650.000	58.642	53.971	-9.558	68.200	4.671	PK
3			5699.800	64.617	59.740	-40.435	105.053	4.878	PK
4			5700.000	63.700	58.822	-41.500	105.200	4.878	PK
5			5718.600	67.569	62.581	-42.840	110.409	4.988	PK
6			5720.000	63.457	58.460	-47.343	110.800	4.997	PK
7			5723.600	65.912	60.892	-53.097	119.009	5.021	PK
8			5725.000	64.107	59.078	-58.093	122.200	5.029	PK
9			5764.800	96.573	91.309	N/A	N/A	5.265	PK
10			5850.000	58.869	53.143	-63.331	122.200	5.726	PK
11			5850.400	61.551	55.824	-59.736	121.288	5.727	PK
12			5855.000	58.594	52.848	-52.206	110.800	5.746	PK
13			5859.000	62.732	56.969	-46.947	109.678	5.762	PK
14			5875.000	59.199	53.379	-46.001	105.200	5.820	PK
15			5915.800	61.174	55.230	-13.811	74.985	5.944	PK
16			5925.000	59.484	53.518	-8.716	68.200	5.967	PK
17			5988.200	61.383	55.292	-6.817	68.200	6.091	PK

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

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

Site: AC1	Time: 2017/12/14 - 00:48
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0 + 1 (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5649.600	68.126	63.456	-0.074	68.200	4.670	PK
2			5650.000	66.111	61.440	-2.089	68.200	4.671	PK
3			5698.800	82.381	77.509	-21.935	104.316	4.872	PK
4			5700.000	79.460	74.582	-25.740	105.200	4.878	PK
5			5718.800	85.486	80.497	-24.978	110.465	4.989	PK
6			5720.000	81.768	76.771	-29.032	110.800	4.997	PK
7			5721.800	83.249	78.241	-31.656	114.905	5.008	PK
8			5725.000	78.579	73.550	-43.621	122.200	5.029	PK
9			5772.600	117.811	112.507	N/A	N/A	5.304	PK
10			5850.000	76.562	70.836	-45.638	122.200	5.726	PK
11			5853.600	76.789	71.049	-37.202	113.991	5.741	PK
12			5855.000	71.702	65.956	-39.098	110.800	5.746	PK
13			5868.800	79.629	73.830	-27.305	106.934	5.799	PK
14			5875.000	69.887	64.067	-35.313	105.200	5.820	PK
15			5879.200	74.796	68.962	-27.284	102.080	5.834	PK
16			5925.000	62.105	56.139	-6.095	68.200	5.967	PK
17			5933.600	64.510	58.522	-3.690	68.200	5.988	PK

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

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

7.10. AC Conducted Emissions Measurement

7.10.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50
Note 1: The lower limit shall apply at the transition frequencies. Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.		

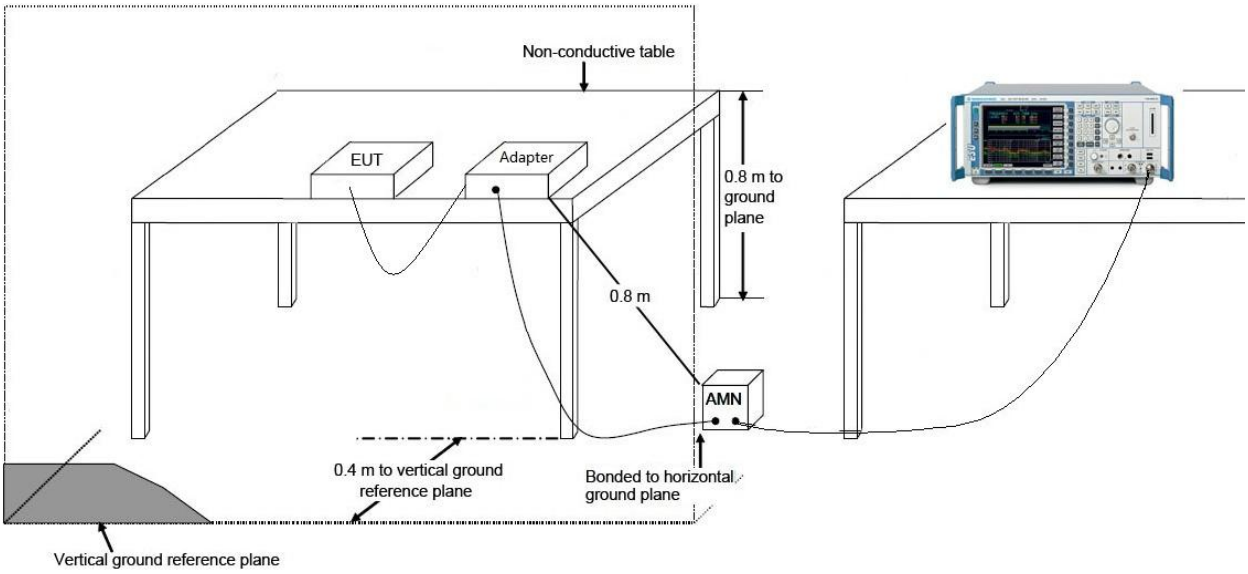
7.10.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

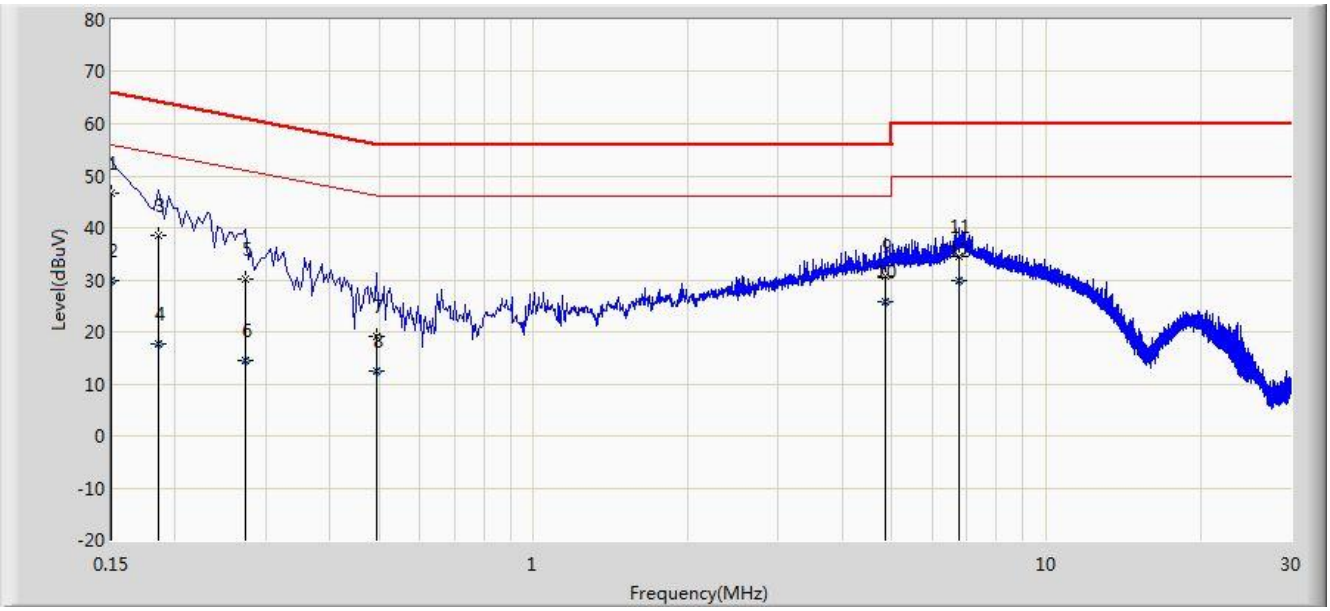
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

7.10.3. Test Setup



7.10.4. Test Result

Site: SR2	Time: 2017/12/19 - 16:26
Limit: FCC_Part15.207_CE Main	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Mode 1	

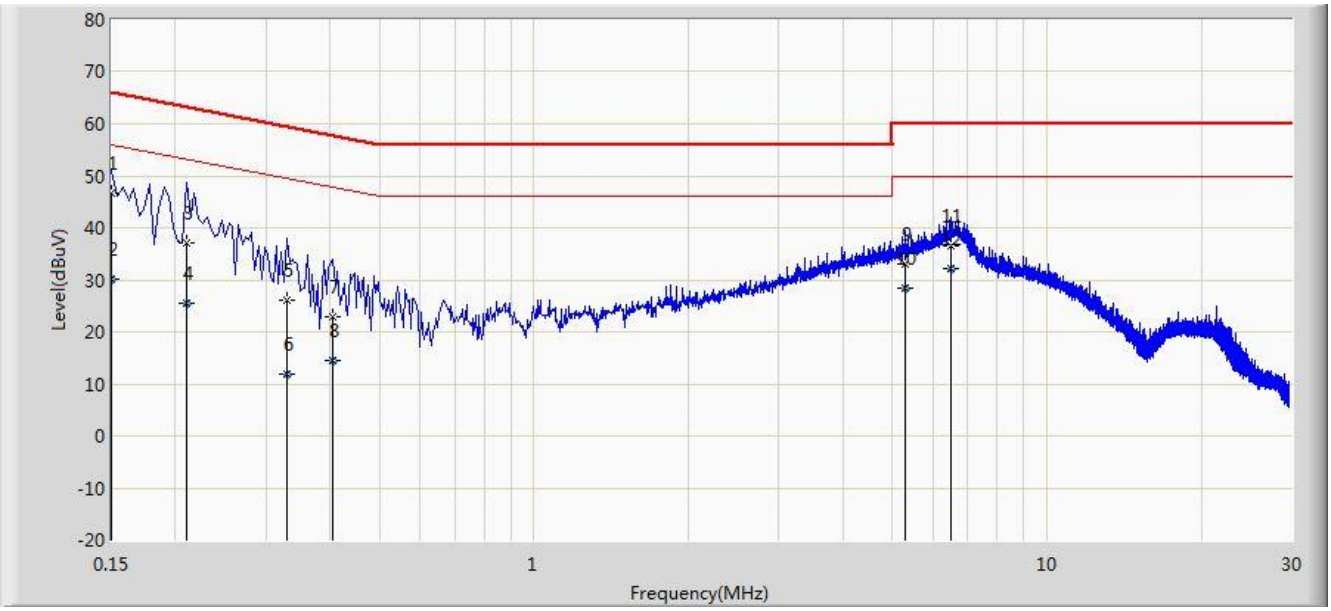


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.150	46.693	35.525	-19.307	66.000	11.168	QP
2			0.150	29.717	18.549	-26.283	56.000	11.168	AV
3			0.186	38.474	28.435	-25.740	64.213	10.039	QP
4			0.186	17.634	7.595	-36.579	54.213	10.039	AV
5			0.274	30.070	20.087	-30.925	60.996	9.983	QP
6			0.274	14.382	4.399	-36.614	50.996	9.983	AV
7			0.494	19.221	9.063	-36.879	56.100	10.158	QP
8			0.494	12.599	2.441	-33.501	46.100	10.158	AV
9			4.870	30.812	20.786	-25.188	56.000	10.026	QP
10			4.870	25.795	15.769	-20.205	46.000	10.026	AV
11			6.762	34.392	24.244	-25.608	60.000	10.148	QP
12			6.762	29.825	19.677	-20.175	50.000	10.148	AV

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

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

Site: SR2	Time: 2017/12/19 - 16:31
Limit: FCC_Part15.207_CE Main	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	46.707	35.565	-19.293	66.000	11.142	QP
2			0.150	30.105	18.963	-25.895	56.000	11.142	AV
3			0.210	37.168	27.174	-26.037	63.205	9.995	QP
4			0.210	25.536	15.542	-27.669	53.205	9.995	AV
5			0.330	26.003	15.944	-33.448	59.451	10.060	QP
6			0.330	11.935	1.876	-37.516	49.451	10.060	AV
7			0.406	22.937	12.820	-34.793	57.730	10.116	QP
8			0.406	14.446	4.329	-33.284	47.730	10.116	AV
9			5.286	33.105	23.046	-26.895	60.000	10.059	QP
10			5.286	28.304	18.245	-21.696	50.000	10.059	AV
11			6.498	36.533	26.395	-23.467	60.000	10.139	QP
12		*	6.498	32.073	21.934	-17.927	50.000	10.139	AV

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

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

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **AC220m Wi-Fi module OD US, FCC ID: 2AD8UFZCWMBOM2** is in compliance with FCC Rules.

The End