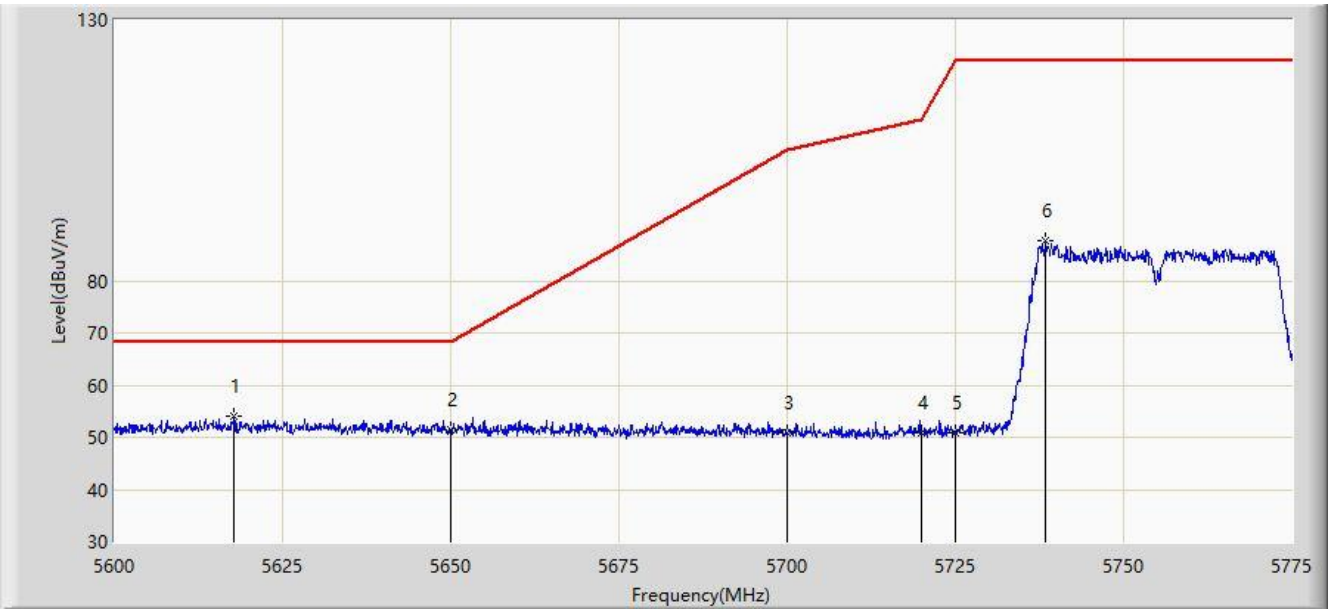
Site: AC1	Time: 2020/01/19 - 17:34
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5755MHz	

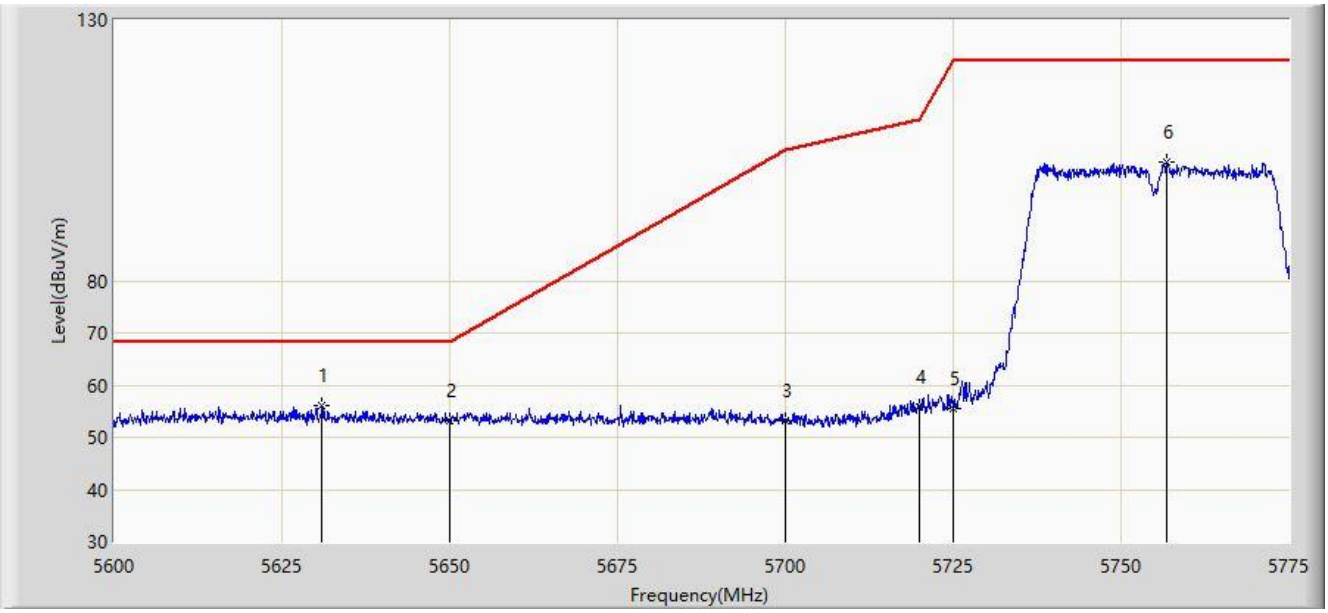


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5617.850	53.933	46.887	-14.267	68.200	7.046	PK
2			5650.000	51.442	44.302	-16.758	68.200	7.140	PK
3			5700.000	50.762	43.547	-54.438	105.200	7.215	PK
4			5720.000	50.886	43.613	-59.914	110.800	7.273	PK
5			5725.000	50.907	43.575	-71.293	122.200	7.332	PK
6			5738.425	87.742	80.324	N/A	N/A	7.418	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: 2020/01/19 - 17:35
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5755MHz	

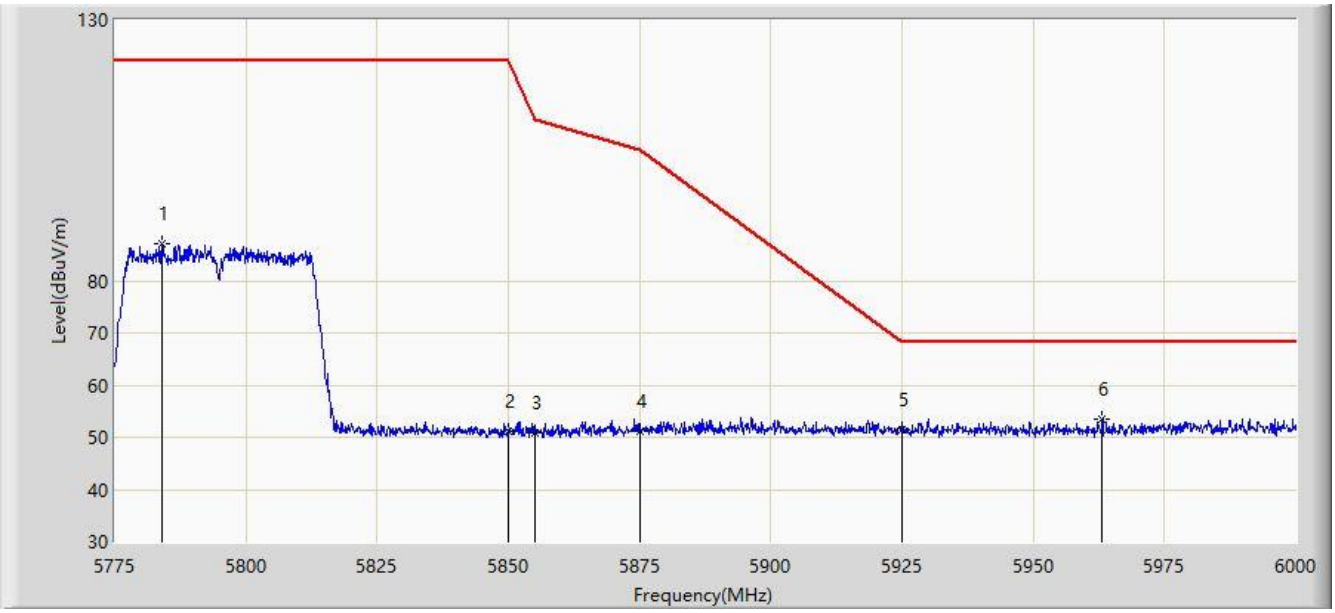


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5630.975	56.022	49.025	-12.178	68.200	6.997	PK
2			5650.000	53.086	45.946	-15.114	68.200	7.140	PK
3			5700.000	53.163	45.948	-52.037	105.200	7.215	PK
4			5720.000	55.779	48.506	-55.021	110.800	7.273	PK
5			5725.000	55.460	48.128	-66.740	122.200	7.332	PK
6			5756.712	102.621	95.190	N/A	N/A	7.431	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: 2020/01/19 - 17:36
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5795MHz	

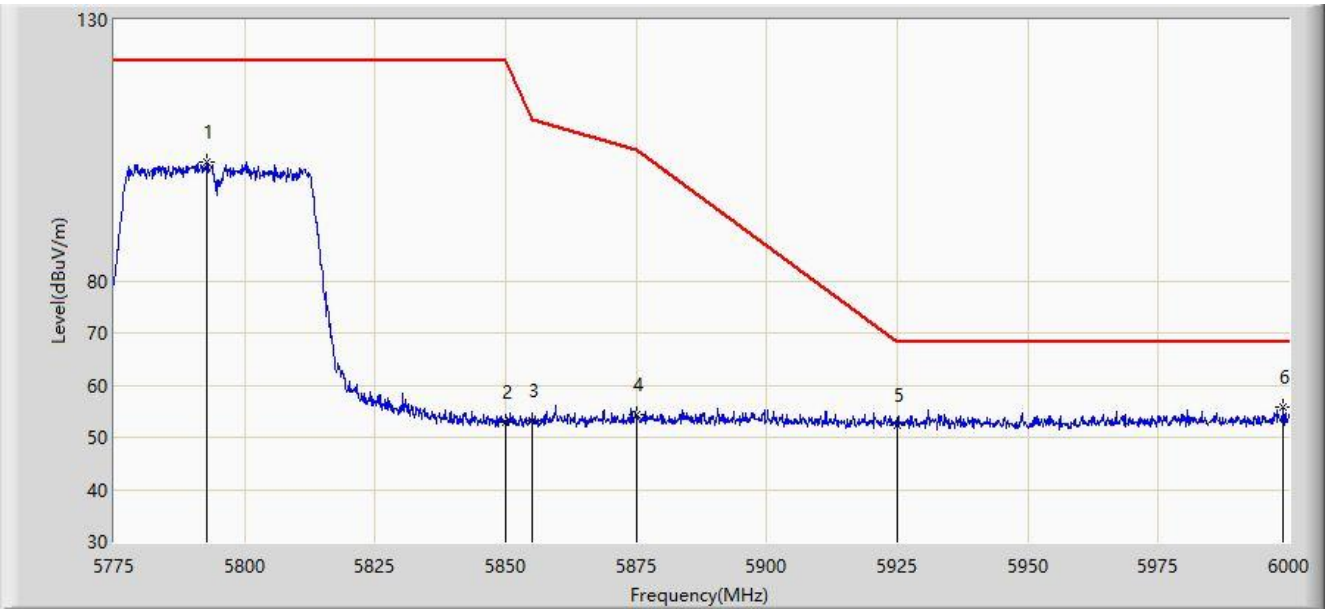


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5784.112	87.207	79.678	N/A	N/A	7.529	PK
2			5850.000	51.128	43.436	-71.072	122.200	7.692	PK
3			5855.000	50.930	43.286	-59.870	110.800	7.644	PK
4			5875.000	51.025	43.423	-54.175	105.200	7.602	PK
5			5925.000	51.368	43.542	-16.832	68.200	7.826	PK
6		*	5963.100	53.507	45.895	-14.693	68.200	7.613	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: 2020/01/19 - 17:37
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5795MHz	

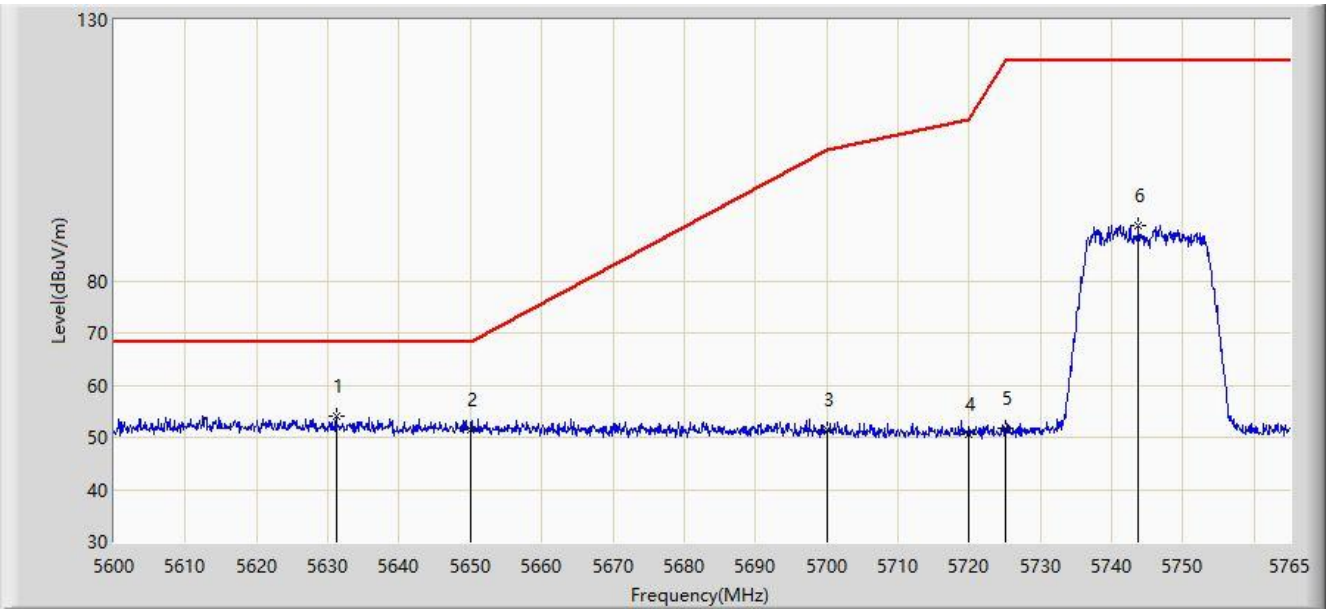


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5792.775	102.744	95.251	N/A	N/A	7.492	PK
2			5850.000	52.920	45.228	-69.280	122.200	7.692	PK
3			5855.000	53.095	45.451	-57.705	110.800	7.644	PK
4			5875.000	54.394	46.792	-50.806	105.200	7.602	PK
5			5925.000	52.378	44.552	-15.822	68.200	7.826	PK
6		*	5998.875	55.886	47.969	-12.314	68.200	7.917	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: 2020/01/19 - 17:39
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz	

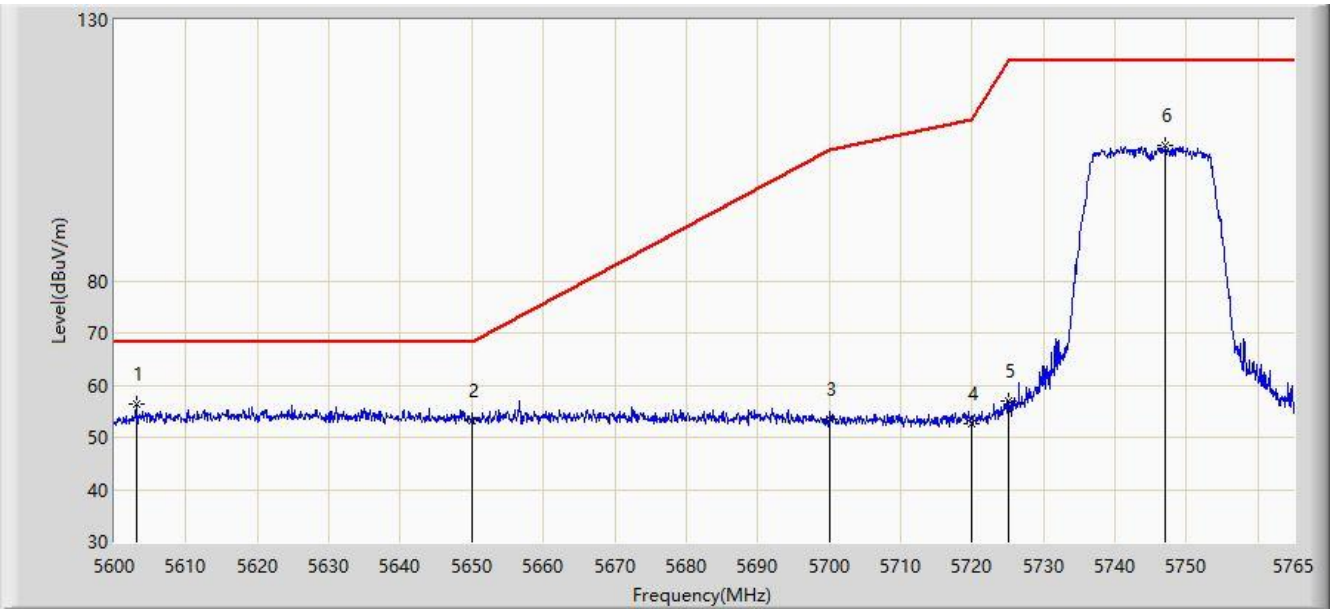


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5631.185	54.085	47.089	-14.115	68.200	6.997	PK
2			5650.000	51.475	44.335	-16.725	68.200	7.140	PK
3			5700.000	51.429	44.214	-53.771	105.200	7.215	PK
4			5720.000	50.580	43.307	-60.220	110.800	7.273	PK
5			5725.000	51.684	44.352	-70.516	122.200	7.332	PK
6			5743.715	90.531	83.086	N/A	N/A	7.445	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: 2020/01/19 - 17:40
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz	

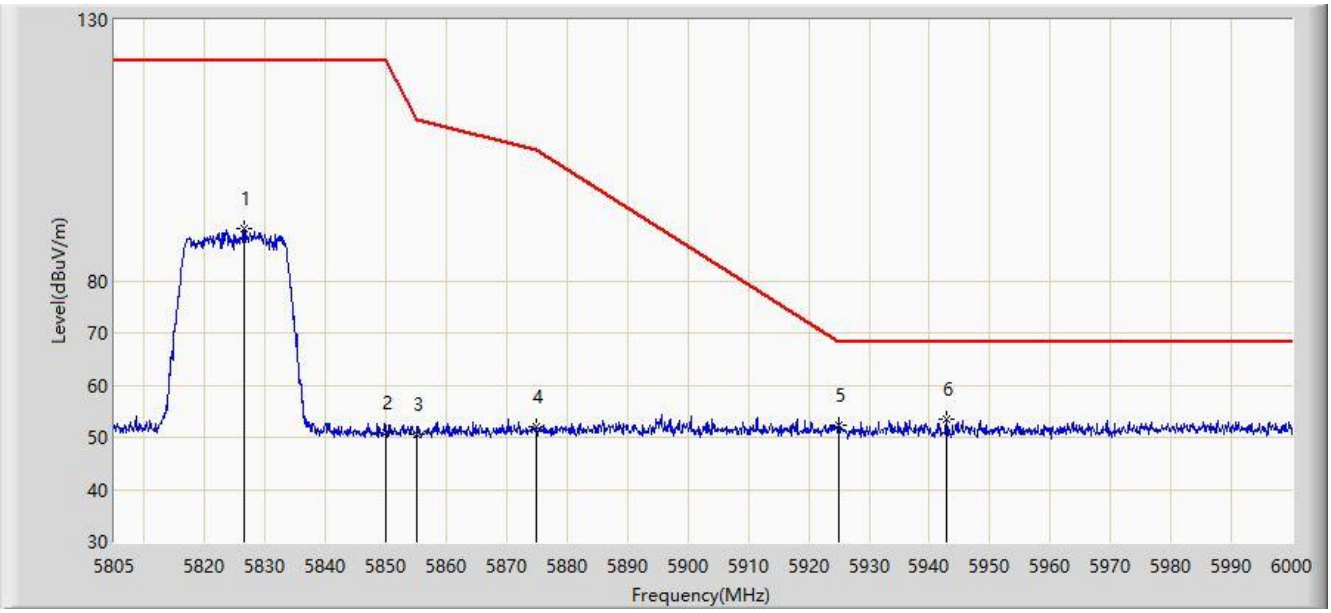


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5603.053	56.399	49.278	-11.801	68.200	7.120	PK
2			5650.000	53.049	45.909	-15.151	68.200	7.140	PK
3			5700.000	53.535	46.320	-51.665	105.200	7.215	PK
4			5720.000	52.621	45.348	-58.179	110.800	7.273	PK
5			5725.000	56.901	49.569	-65.299	122.200	7.332	PK
6			5747.015	105.865	98.424	N/A	N/A	7.441	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: 2020/01/19 - 17:41
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz	

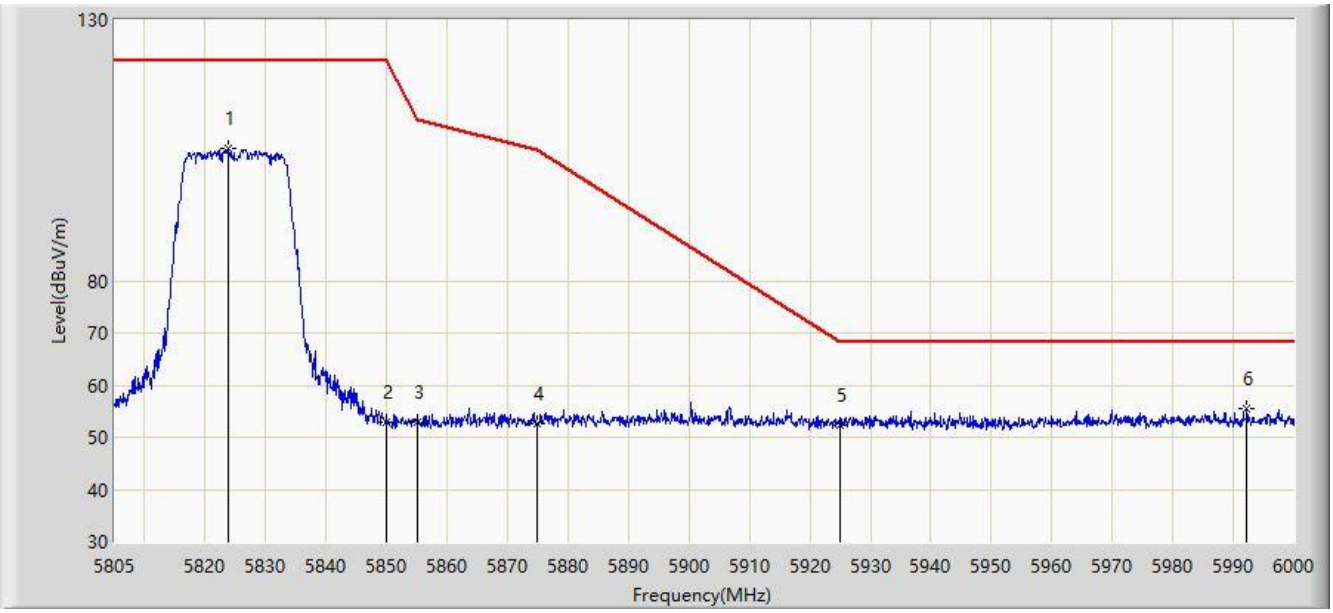


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.547	90.078	82.338	N/A	N/A	7.740	PK
2			5850.000	50.774	43.082	-71.426	122.200	7.692	PK
3			5855.000	50.546	42.902	-60.254	110.800	7.644	PK
4			5875.000	51.949	44.347	-53.251	105.200	7.602	PK
5			5925.000	52.283	44.457	-15.917	68.200	7.826	PK
6		*	5942.768	53.558	45.846	-14.642	68.200	7.712	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: 2020/01/19 - 17:43
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz	

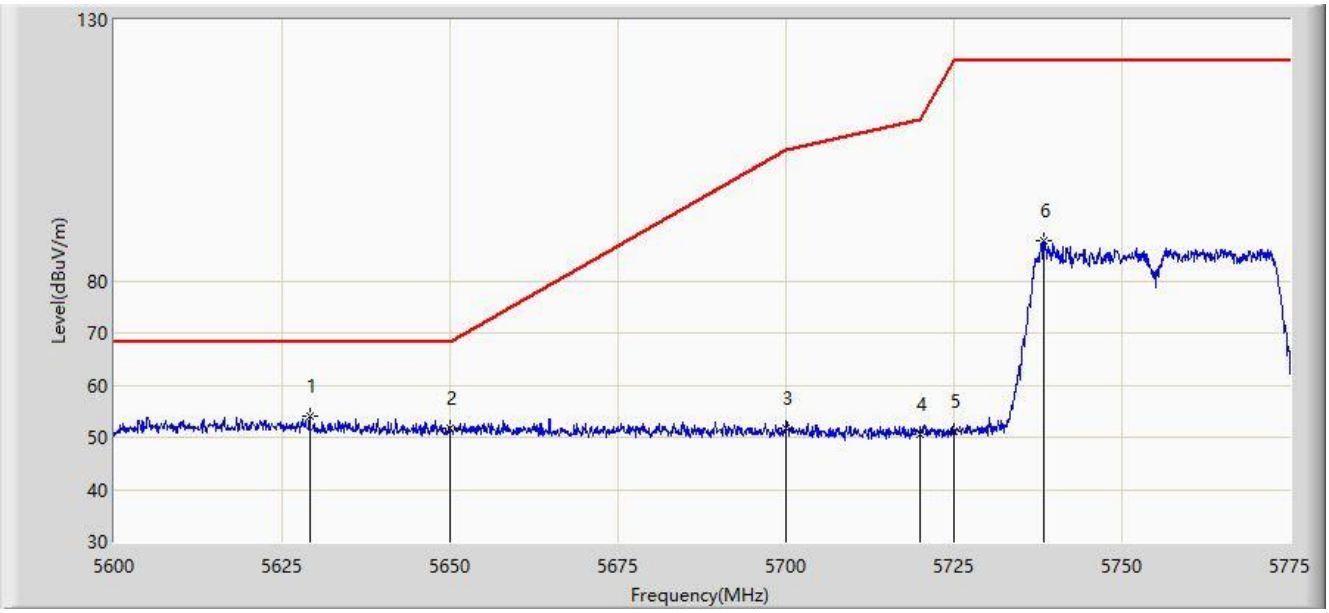


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5823.915	105.228	97.536	N/A	N/A	7.691	PK
2			5850.000	52.824	45.132	-69.376	122.200	7.692	PK
3			5855.000	52.870	45.226	-57.930	110.800	7.644	PK
4			5875.000	52.637	45.035	-52.563	105.200	7.602	PK
5			5925.000	52.430	44.604	-15.770	68.200	7.826	PK
6		*	5992.297	55.376	47.524	-12.824	68.200	7.852	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: 2020/01/19 - 17:44
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz	

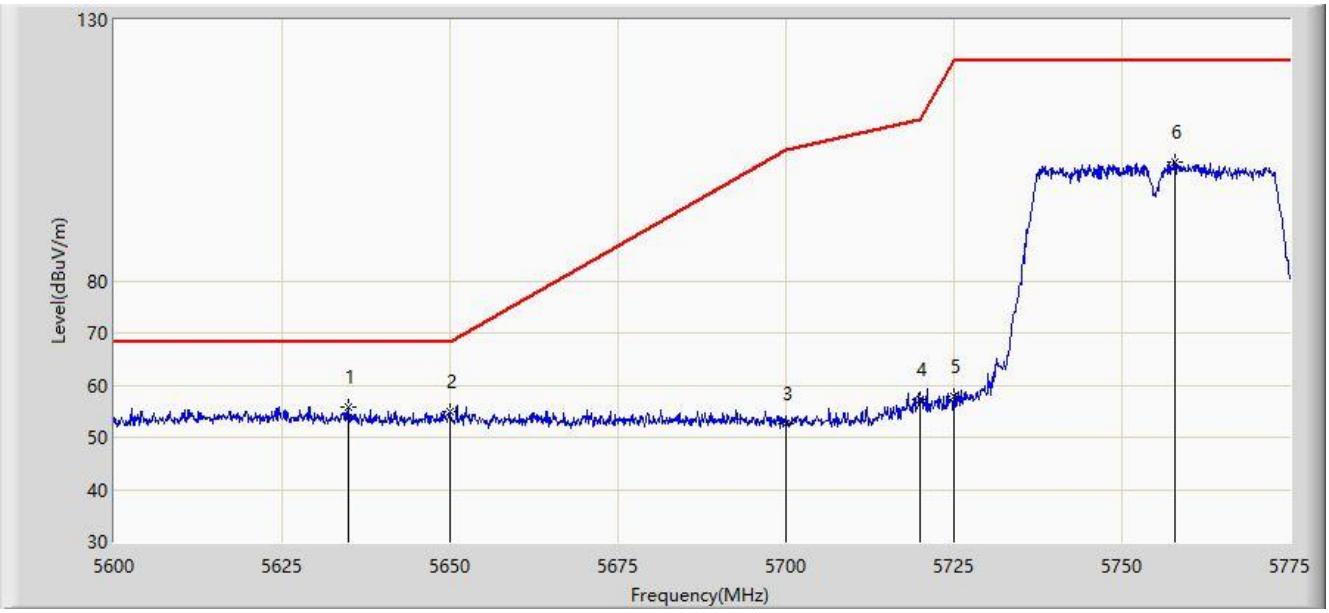


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5629.138	54.113	47.107	-14.087	68.200	7.006	PK
2			5650.000	51.687	44.547	-16.513	68.200	7.140	PK
3			5700.000	51.827	44.612	-53.373	105.200	7.215	PK
4			5720.000	50.506	43.233	-60.294	110.800	7.273	PK
5			5725.000	51.152	43.820	-71.048	122.200	7.332	PK
6			5738.425	87.770	80.352	N/A	N/A	7.418	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: 2020/01/19 - 17:46
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz	

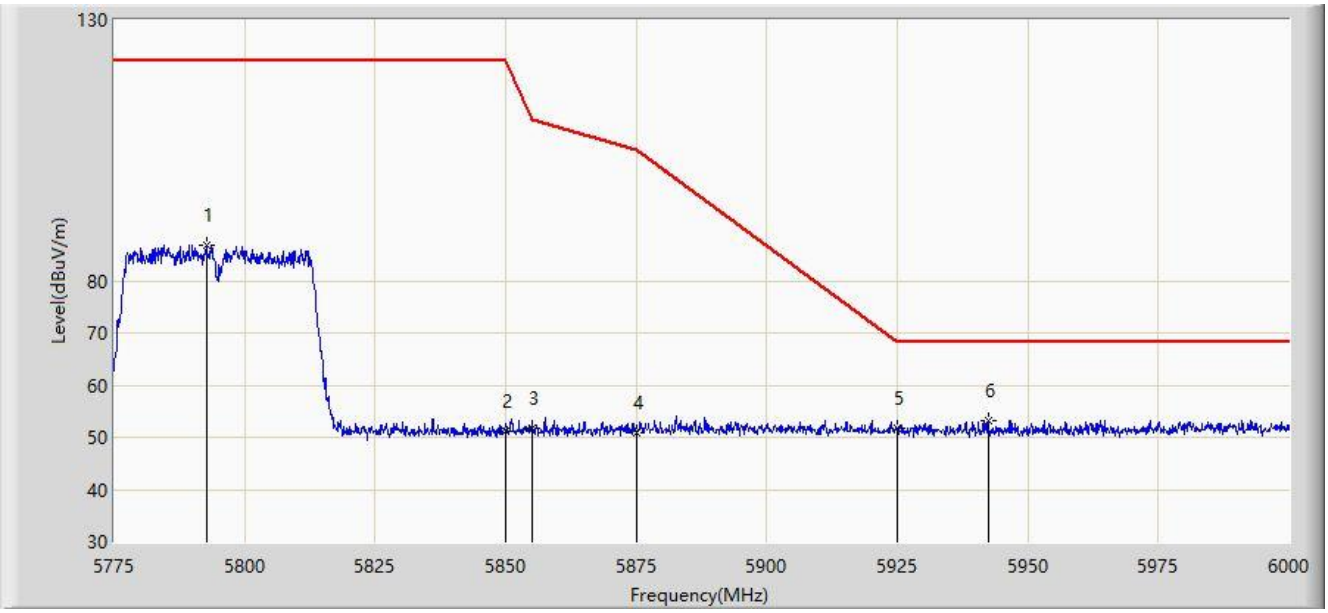


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5634.825	55.727	48.749	-12.473	68.200	6.977	PK
2			5650.000	55.020	47.880	-13.180	68.200	7.140	PK
3			5700.000	52.502	45.287	-52.698	105.200	7.215	PK
4			5720.000	57.383	50.110	-53.417	110.800	7.273	PK
5			5725.000	57.817	50.485	-64.383	122.200	7.332	PK
6			5757.850	102.749	95.319	N/A	N/A	7.430	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: 2020/01/19 - 17:47
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz	

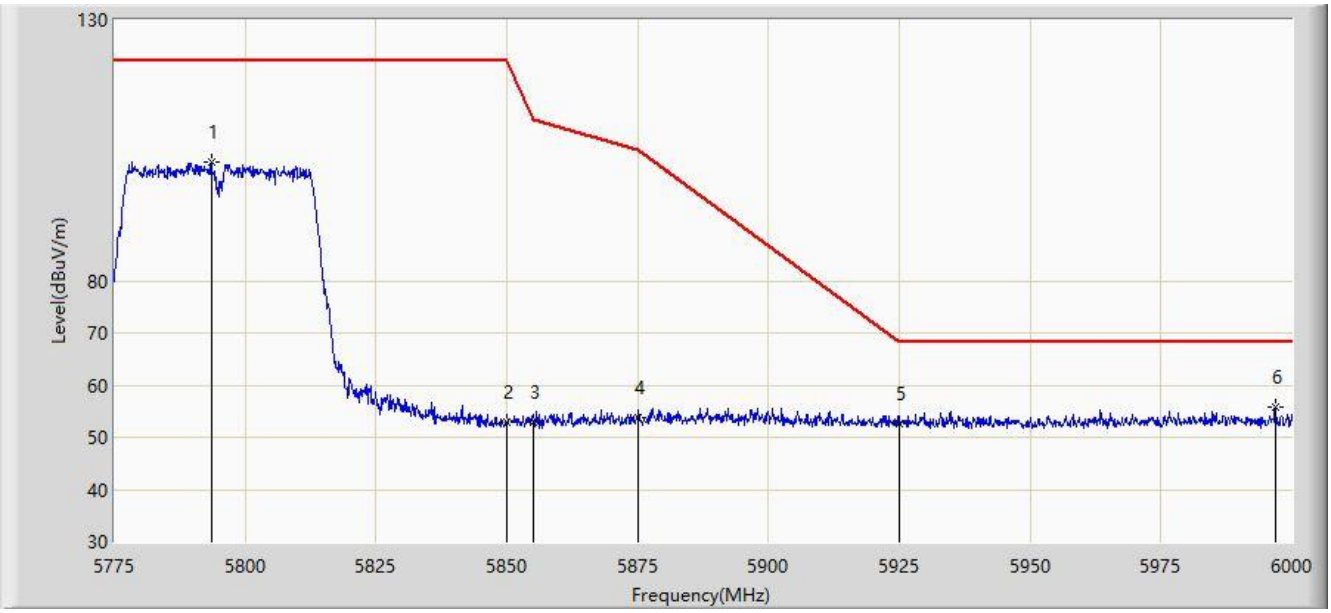


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5792.775	86.892	79.399	N/A	N/A	7.492	PK
2			5850.000	51.213	43.521	-70.987	122.200	7.692	PK
3			5855.000	51.724	44.080	-59.076	110.800	7.644	PK
4			5875.000	50.967	43.365	-54.233	105.200	7.602	PK
5			5925.000	51.710	43.884	-16.490	68.200	7.826	PK
6		*	5942.400	53.230	45.516	-14.970	68.200	7.714	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: 2020/01/19 - 17:49
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz	

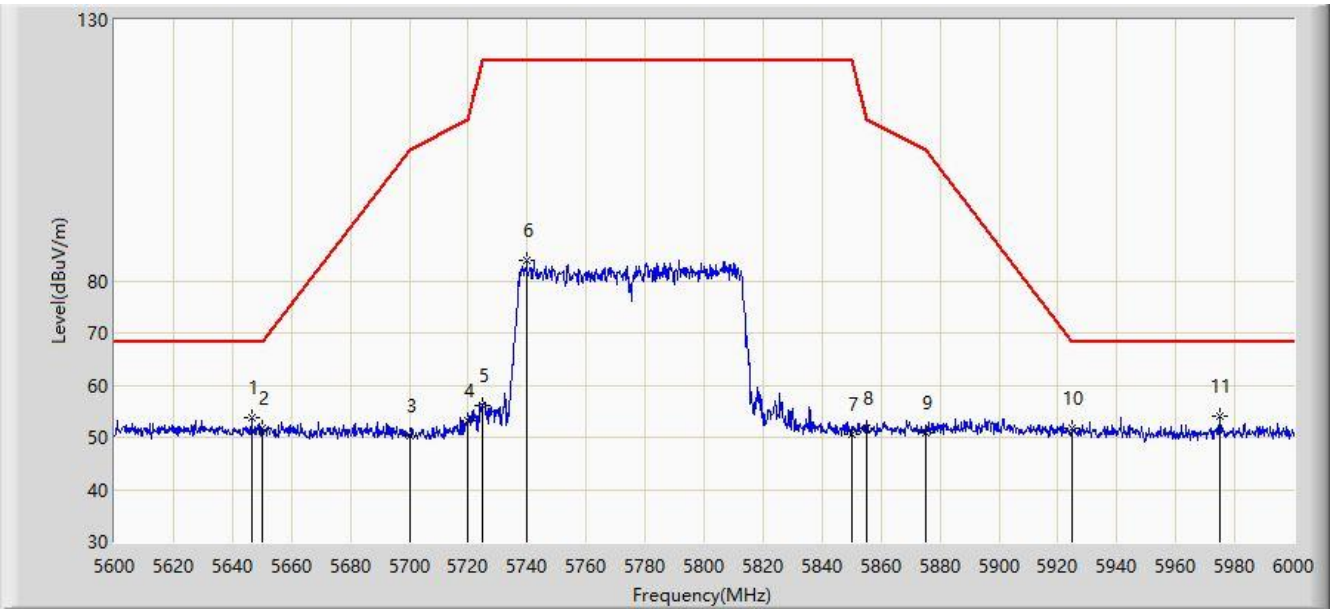


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5793.562	102.740	95.251	N/A	N/A	7.490	PK
2			5850.000	52.887	45.195	-69.313	122.200	7.692	PK
3			5855.000	52.961	45.317	-57.839	110.800	7.644	PK
4			5875.000	53.694	46.092	-51.506	105.200	7.602	PK
5			5925.000	52.713	44.887	-15.487	68.200	7.826	PK
6		*	5996.850	55.821	47.916	-12.379	68.200	7.905	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: 2020/01/19 - 17:49
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz	

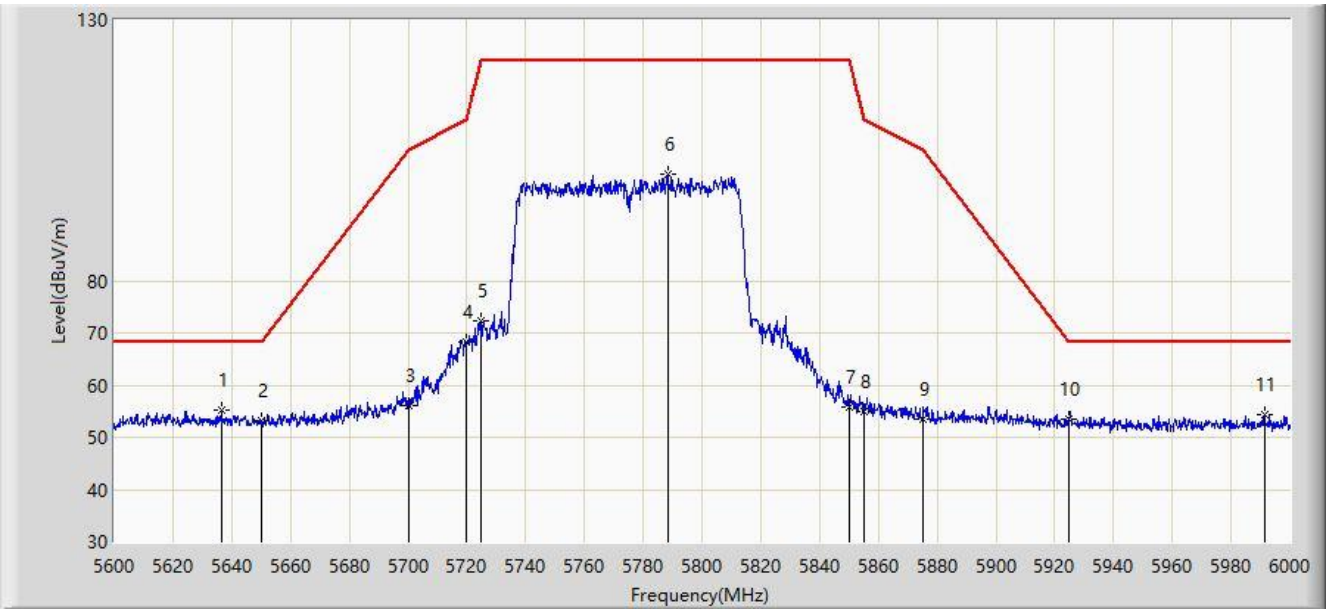


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5646.400	53.640	46.577	-14.560	68.200	7.064	PK
2			5650.000	51.835	44.695	-16.365	68.200	7.140	PK
3			5700.000	50.192	42.977	-55.008	105.200	7.215	PK
4			5720.000	53.057	45.784	-57.743	110.800	7.273	PK
5			5725.000	56.185	48.853	-66.015	122.200	7.332	PK
6			5739.800	83.839	76.413	N/A	N/A	7.427	PK
7			5850.000	50.521	42.829	-71.679	122.200	7.692	PK
8			5855.000	51.710	44.066	-59.090	110.800	7.644	PK
9			5875.000	50.949	43.347	-54.251	105.200	7.602	PK
10			5925.000	51.808	43.982	-16.392	68.200	7.826	PK
11		*	5975.000	54.133	46.452	-14.067	68.200	7.681	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: 2020/01/19 - 17:50
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5636.400	55.101	48.131	-13.099	68.200	6.970	PK
2			5650.000	53.270	46.130	-14.930	68.200	7.140	PK
3			5700.000	56.230	49.015	-48.970	105.200	7.215	PK
4			5720.000	68.135	60.862	-42.665	110.800	7.273	PK
5			5725.000	72.240	64.908	-49.960	122.200	7.332	PK
6			5788.400	100.577	93.066	N/A	N/A	7.511	PK
7			5850.000	55.759	48.067	-66.441	122.200	7.692	PK
8			5855.000	55.004	47.360	-55.796	110.800	7.644	PK
9			5875.000	53.598	45.996	-51.602	105.200	7.602	PK
10			5925.000	53.558	45.732	-14.642	68.200	7.826	PK
11			5991.400	54.363	46.522	-13.837	68.200	7.842	PK

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

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

7.9. AC Conducted Emissions Measurement

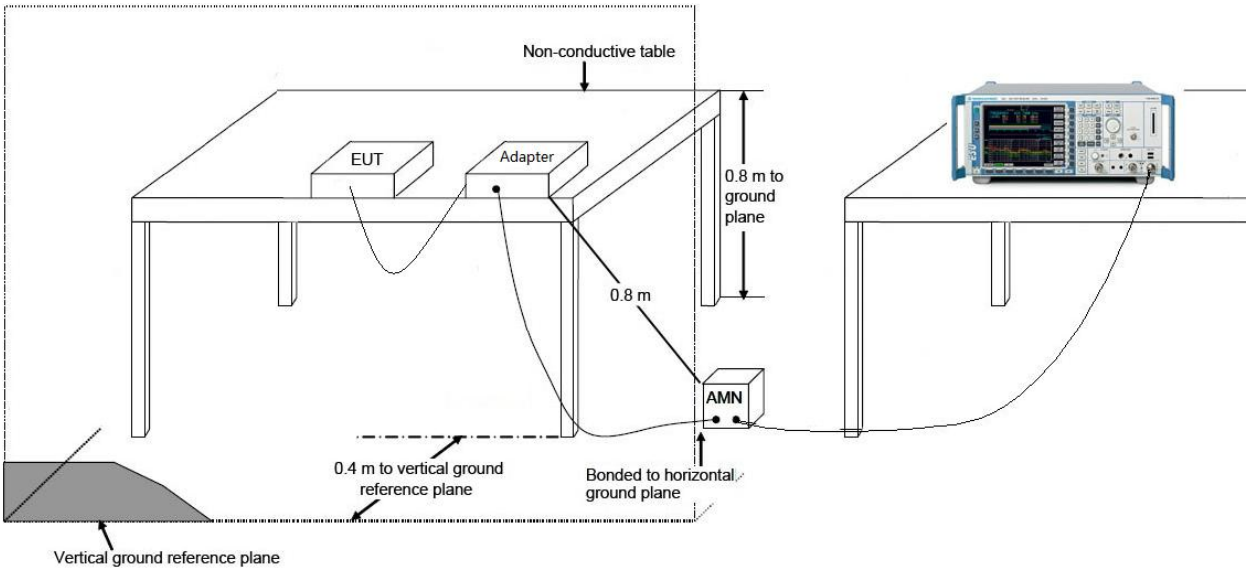
7.9.1.Test Limit

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.

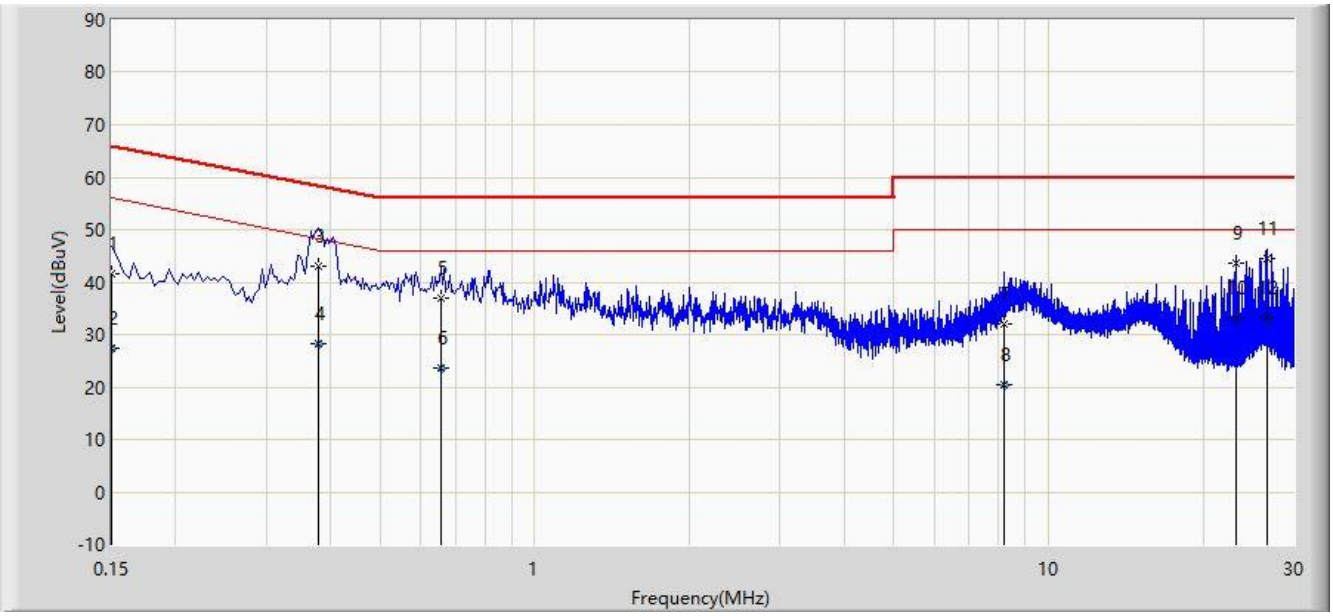
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.9.2.Test Setup



7.9.3.Test Result

Site: SR2	Time: 2020/01/07 - 18:28
Limit: FCC_Part15.207_CE_AC Power	Engineer: Liz Yuan
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode 1	

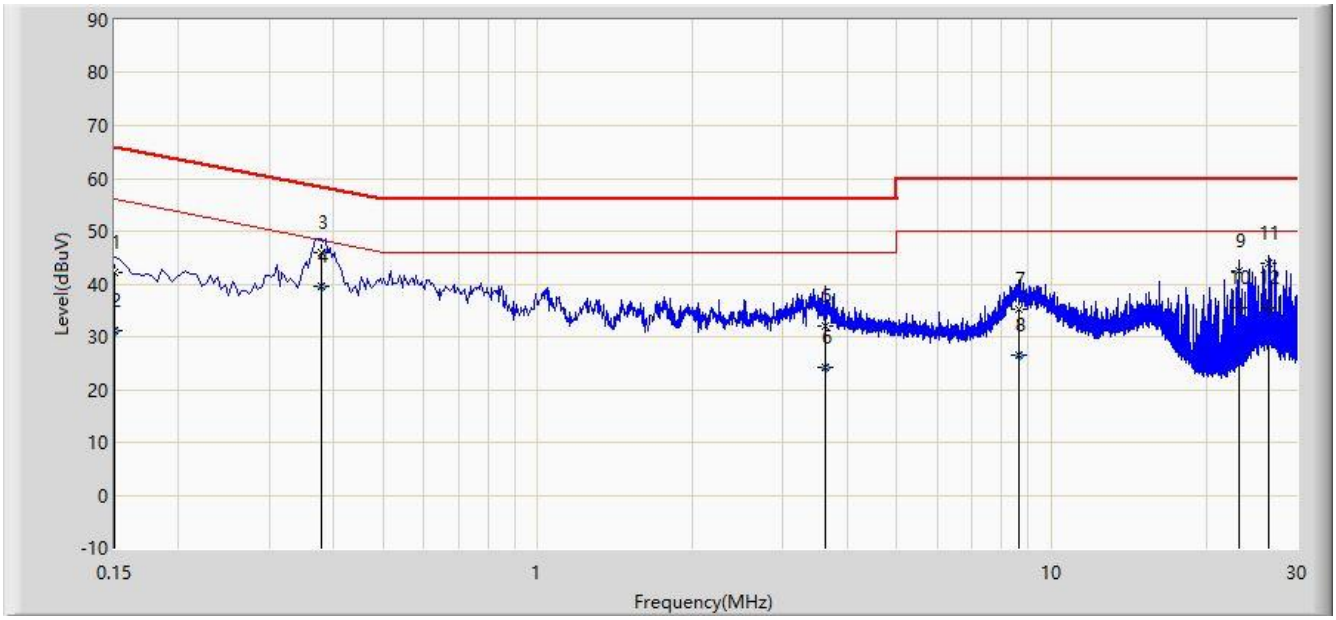


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	41.549	28.472	-24.451	66.000	13.078	QP
2			0.150	27.394	14.316	-28.606	56.000	13.078	AV
3		*	0.378	43.175	33.251	-15.149	58.323	9.924	QP
4			0.378	28.287	18.364	-20.036	48.323	9.924	AV
5			0.658	36.876	26.956	-19.124	56.000	9.919	QP
6			0.658	23.531	13.612	-22.469	46.000	9.919	AV
7			8.186	32.158	22.386	-27.842	60.000	9.772	QP
8			8.186	20.384	10.612	-29.616	50.000	9.772	AV
9			23.126	43.581	33.637	-16.419	60.000	9.944	QP
10			23.126	33.199	23.255	-16.801	50.000	9.944	AV
11			26.610	44.509	34.549	-15.491	60.000	9.959	QP
12			26.610	33.270	23.311	-16.730	50.000	9.959	AV

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

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

Site: SR2	Time: 2020/01/07 - 18:34
Limit: FCC_Part15.207_CE_AC Power	Engineer: Liz Yuan
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	42.155	29.071	-23.845	66.000	13.084	QP
2			0.150	31.256	18.172	-24.744	56.000	13.084	AV
3			0.378	45.862	35.938	-12.462	58.323	9.924	QP
4		*	0.378	39.619	29.695	-8.705	48.323	9.924	AV
5			3.630	32.129	22.437	-23.871	56.000	9.692	QP
6			3.630	24.092	14.400	-21.908	46.000	9.692	AV
7			8.638	35.226	25.435	-24.774	60.000	9.791	QP
8			8.638	26.547	16.756	-23.453	50.000	9.791	AV
9			23.126	42.503	32.470	-17.497	60.000	10.033	QP
10			23.126	35.465	25.432	-14.535	50.000	10.033	AV
11			26.486	43.934	33.878	-16.066	60.000	10.057	QP
12			26.486	35.628	25.571	-14.372	50.000	10.057	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 this device is in compliance with Part 15E of the FCC Rules.

The End

Appendix A - Test Setup Photograph

Refer to “2001RSU019-UT” file.

Appendix B - EUT Photograph

Refer to “2001RSU019-UE” file.