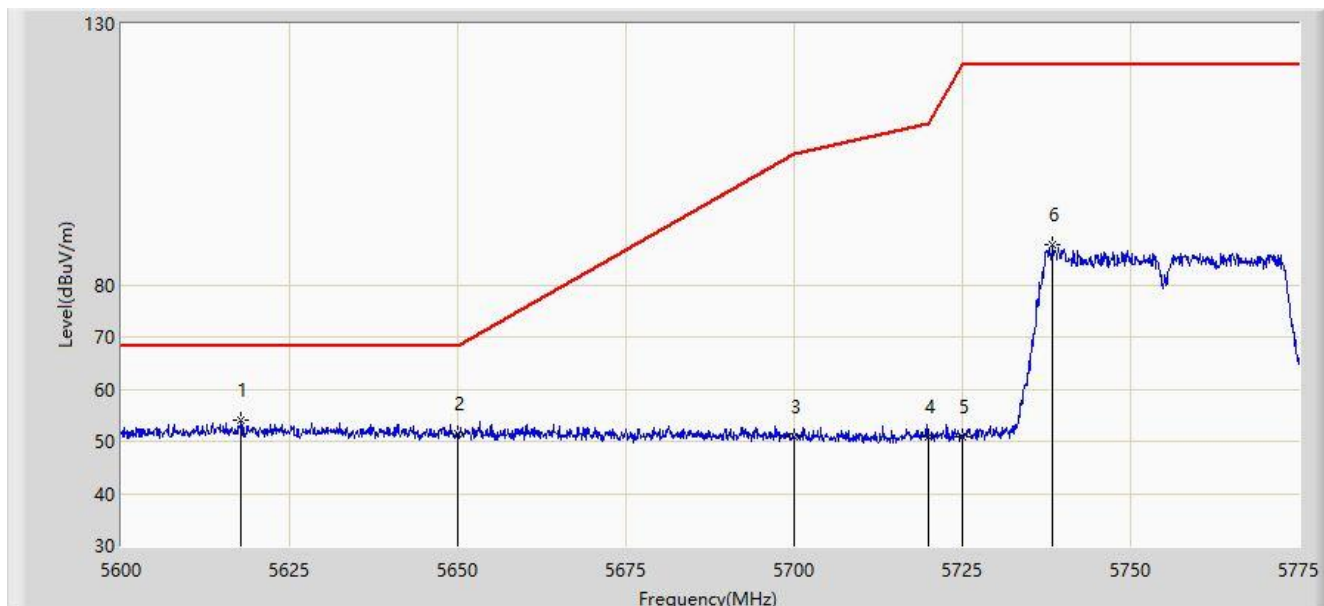


Site: AC1	Time: 2020/01/19 - 17:34
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: TRIFIBOOST	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5755MHz	

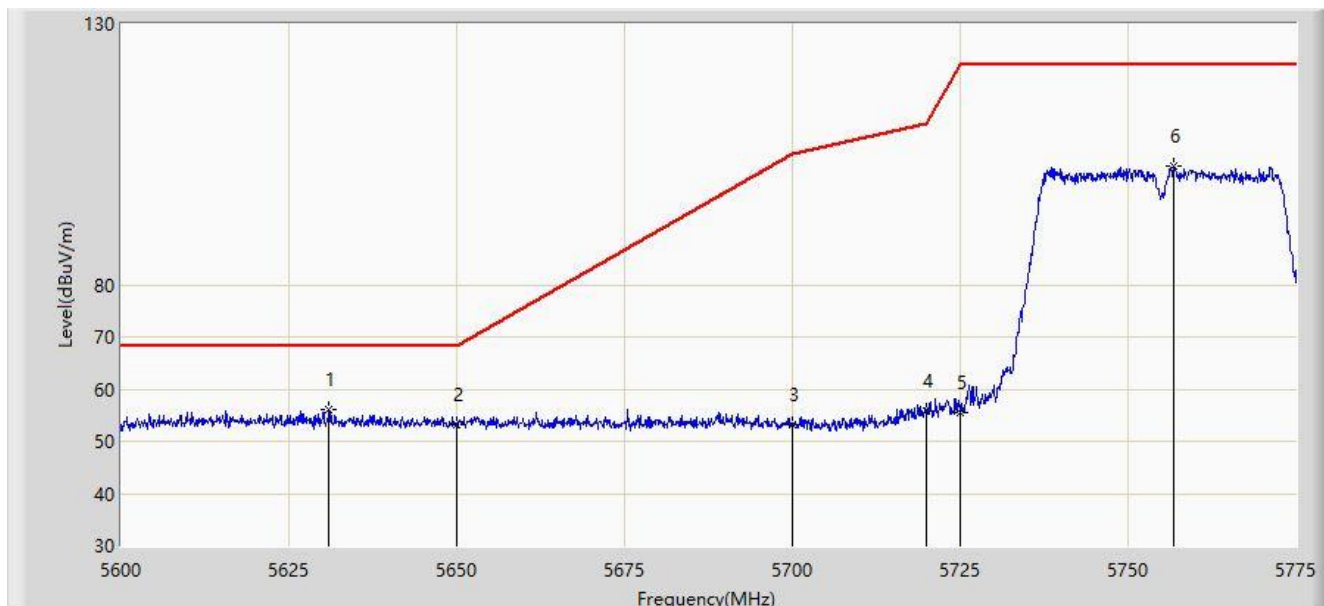


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5617.850	53.933	46.887	-14.267	68.200	7.046	PK
2			5650.000	51.442	44.302	-16.758	68.200	7.140	PK
3			5700.000	50.762	43.547	-54.438	105.200	7.215	PK
4			5720.000	50.886	43.613	-59.914	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 (dBuV/m) = Reading Level (dBuV) + 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	

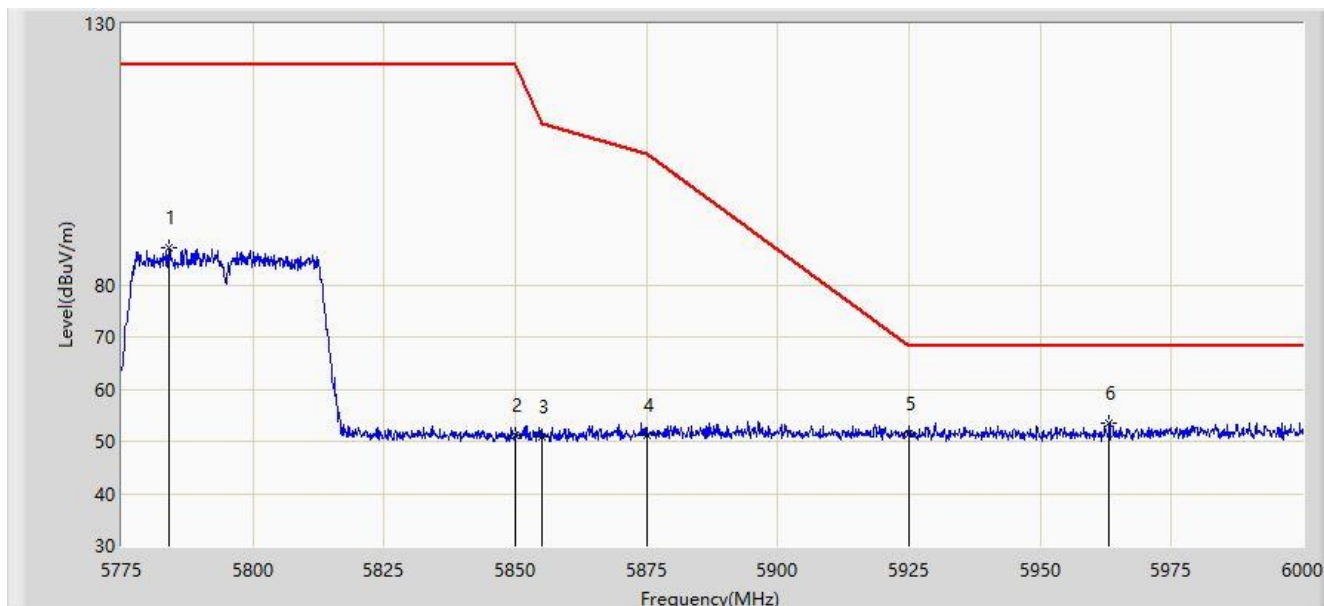


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5630.975	56.022	49.025	-12.178	68.200	6.997	PK
2			5650.000	53.086	45.946	-15.114	68.200	7.140	PK
3			5700.000	53.163	45.948	-52.037	105.200	7.215	PK
4			5720.000	55.779	48.506	-55.021	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 (dBuV/m) = Reading Level (dBuV) + 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	

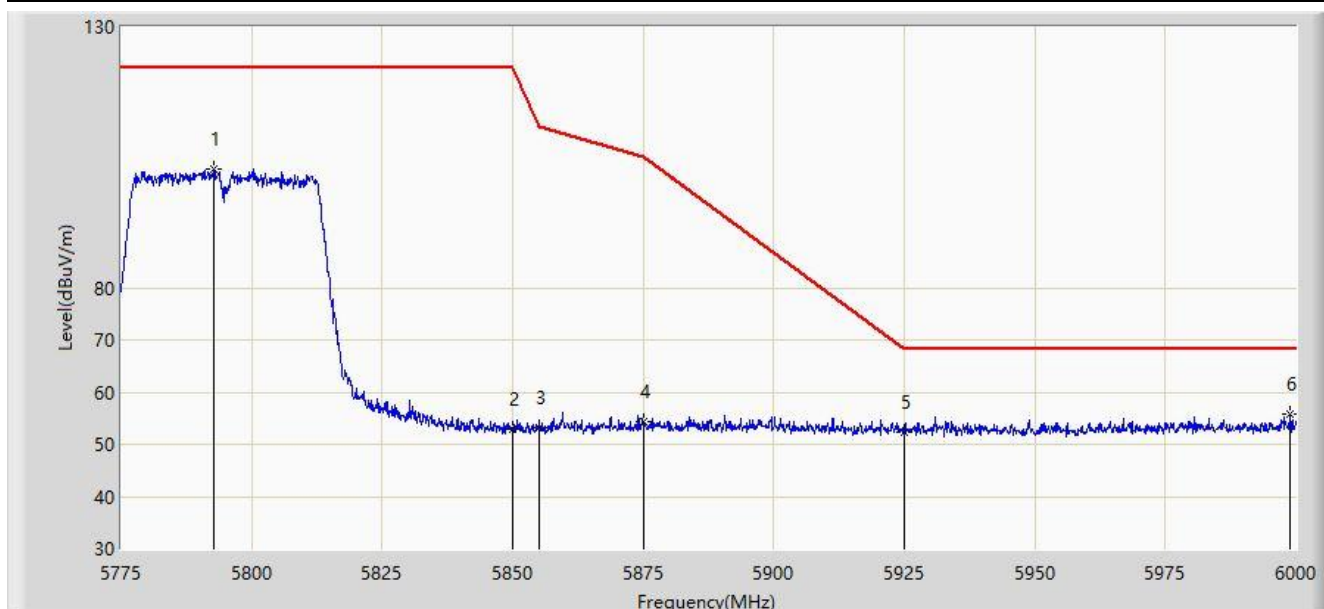


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5784.112	87.207	79.678	N/A	N/A	7.529	PK
2			5850.000	51.128	43.436	-71.072	122.200	7.692	PK
3			5855.000	50.930	43.286	-59.870	110.800	7.644	PK
4			5875.000	51.025	43.423	-54.175	105.200	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	

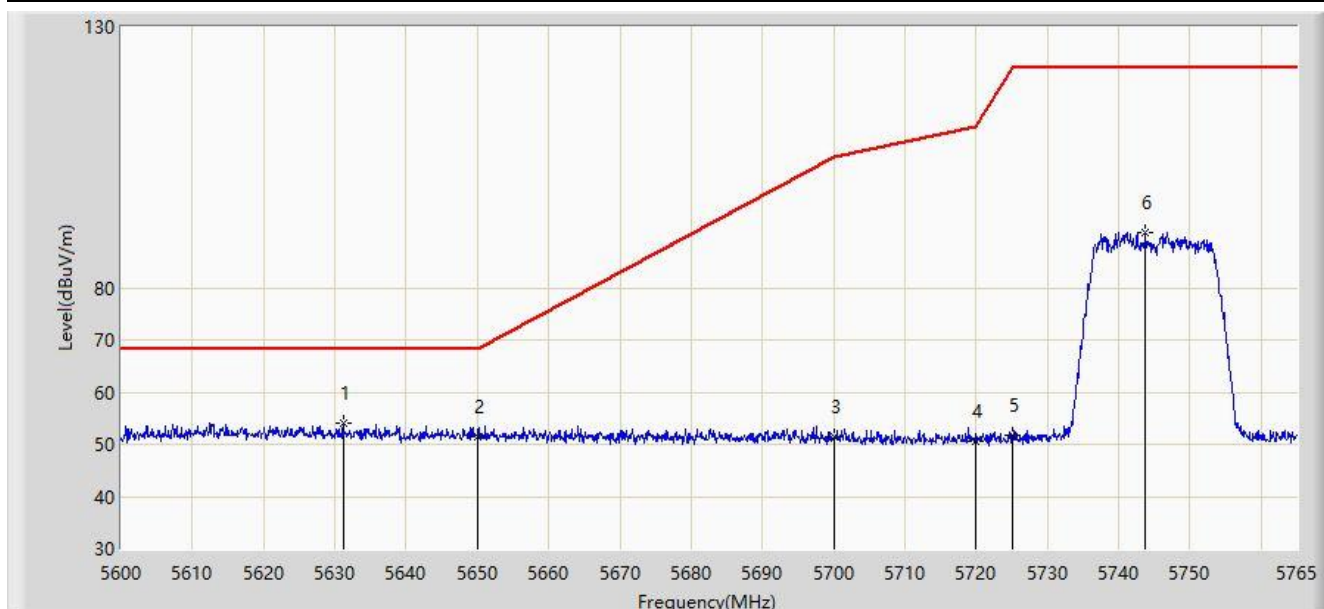


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5792.775	102.744	95.251	N/A	N/A	7.492	PK
2			5850.000	52.920	45.228	-69.280	122.200	7.692	PK
3			5855.000	53.095	45.451	-57.705	110.800	7.644	PK
4			5875.000	54.394	46.792	-50.806	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 (dBuV/m) = Reading Level (dBuV) + 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	

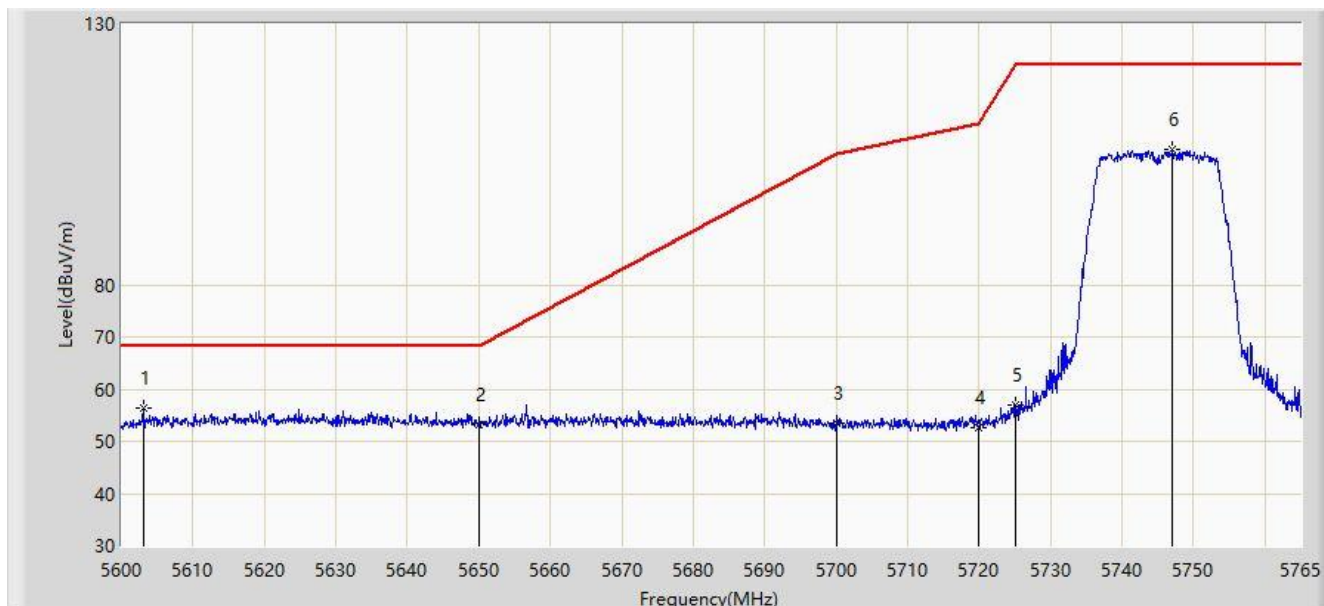


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5631.185	54.085	47.089	-14.115	68.200	6.997	PK
2			5650.000	51.475	44.335	-16.725	68.200	7.140	PK
3			5700.000	51.429	44.214	-53.771	105.200	7.215	PK
4			5720.000	50.580	43.307	-60.220	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	

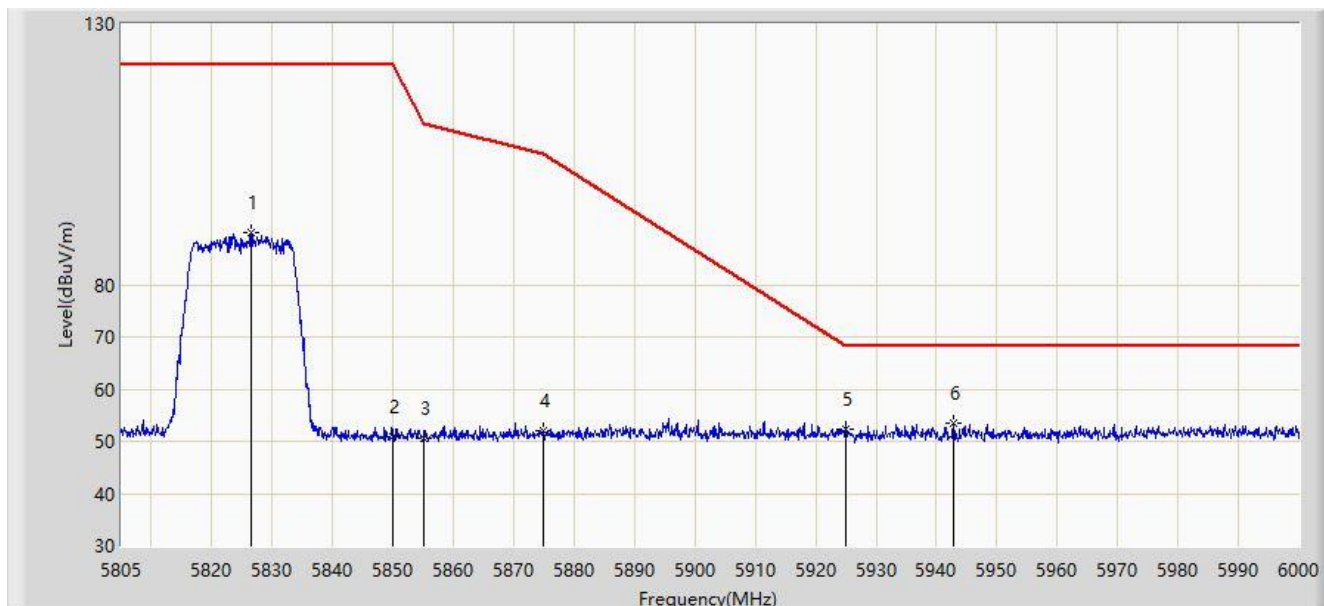


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5603.053	56.399	49.278	-11.801	68.200	7.120	PK
2			5650.000	53.049	45.909	-15.151	68.200	7.140	PK
3			5700.000	53.535	46.320	-51.665	105.200	7.215	PK
4			5720.000	52.621	45.348	-58.179	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 (dBuV/m) = Reading Level (dBuV) + 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	

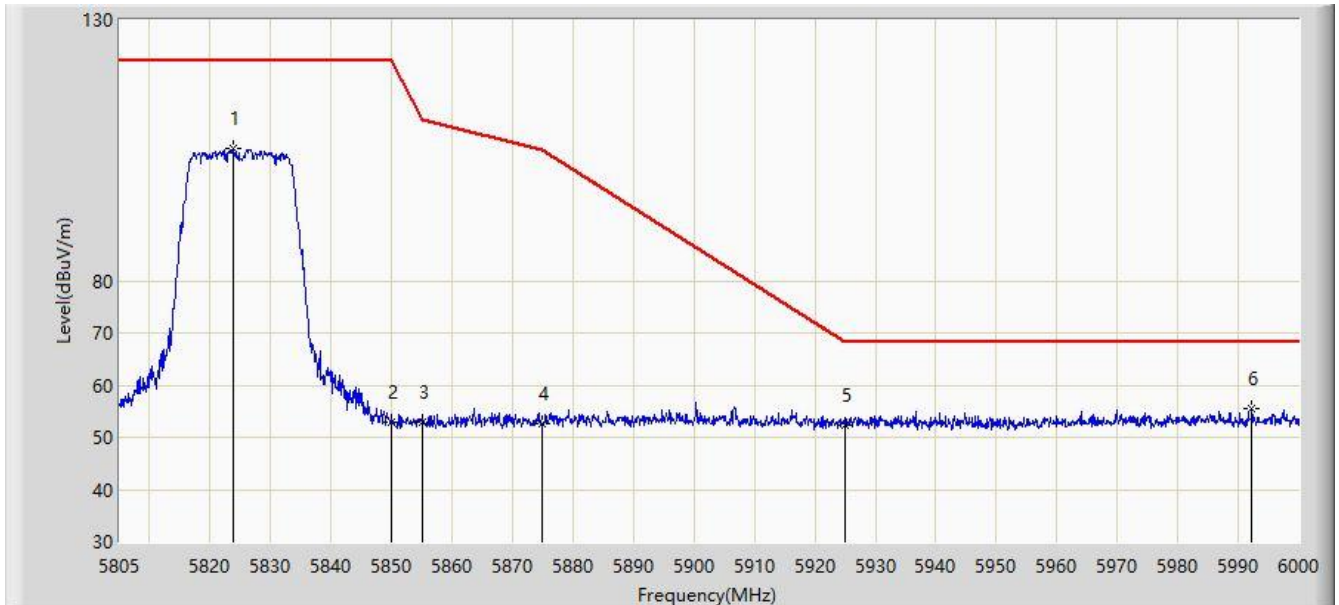


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.547	90.078	82.338	N/A	N/A	7.740	PK
2			5850.000	50.774	43.082	-71.426	122.200	7.692	PK
3			5855.000	50.546	42.902	-60.254	110.800	7.644	PK
4			5875.000	51.949	44.347	-53.251	105.200	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 (dBuV/m) = Reading Level (dBuV) + 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	

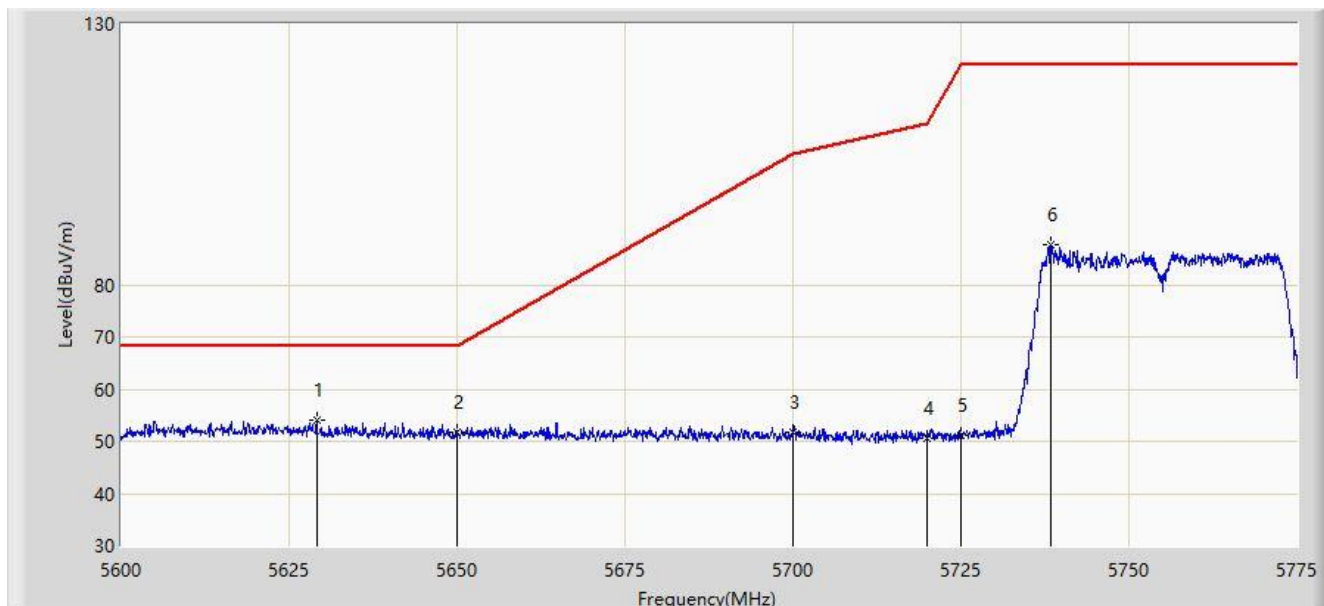


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5823.915	105.228	97.536	N/A	N/A	7.691	PK
2			5850.000	52.824	45.132	-69.376	122.200	7.692	PK
3			5855.000	52.870	45.226	-57.930	110.800	7.644	PK
4			5875.000	52.637	45.035	-52.563	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 (dBuV/m) = Reading Level (dBuV) + 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	

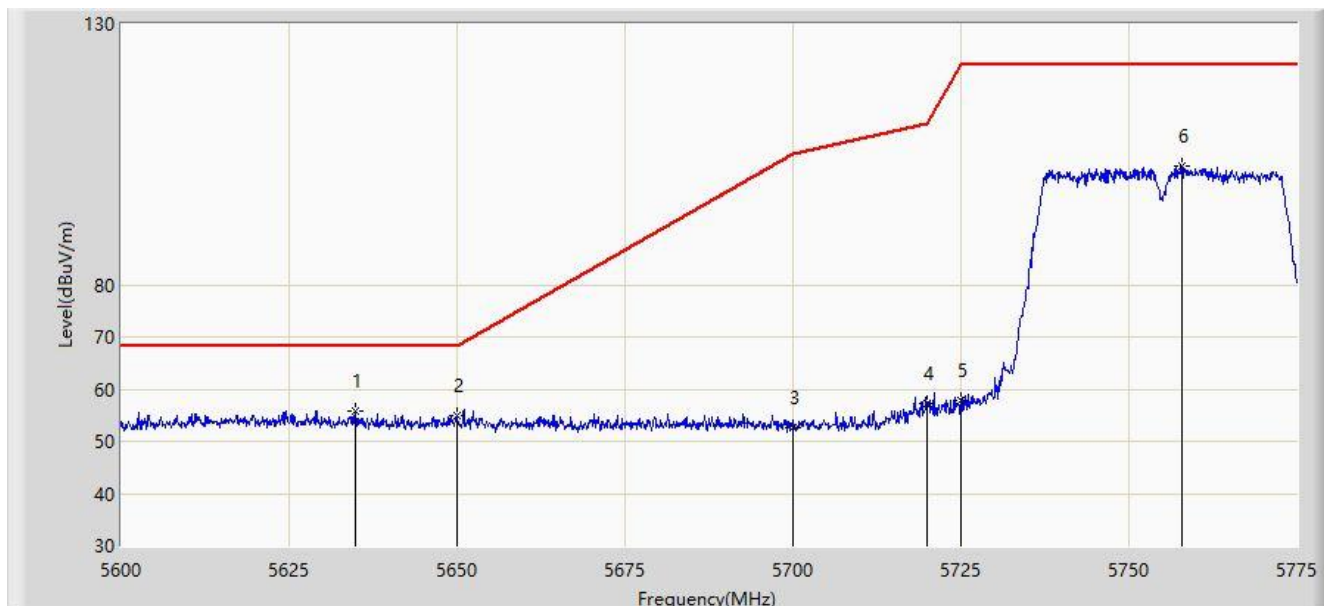


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5629.138	54.113	47.107	-14.087	68.200	7.006	PK
2			5650.000	51.687	44.547	-16.513	68.200	7.140	PK
3			5700.000	51.827	44.612	-53.373	105.200	7.215	PK
4			5720.000	50.506	43.233	-60.294	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 (dBuV/m) = Reading Level (dBuV) + 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	

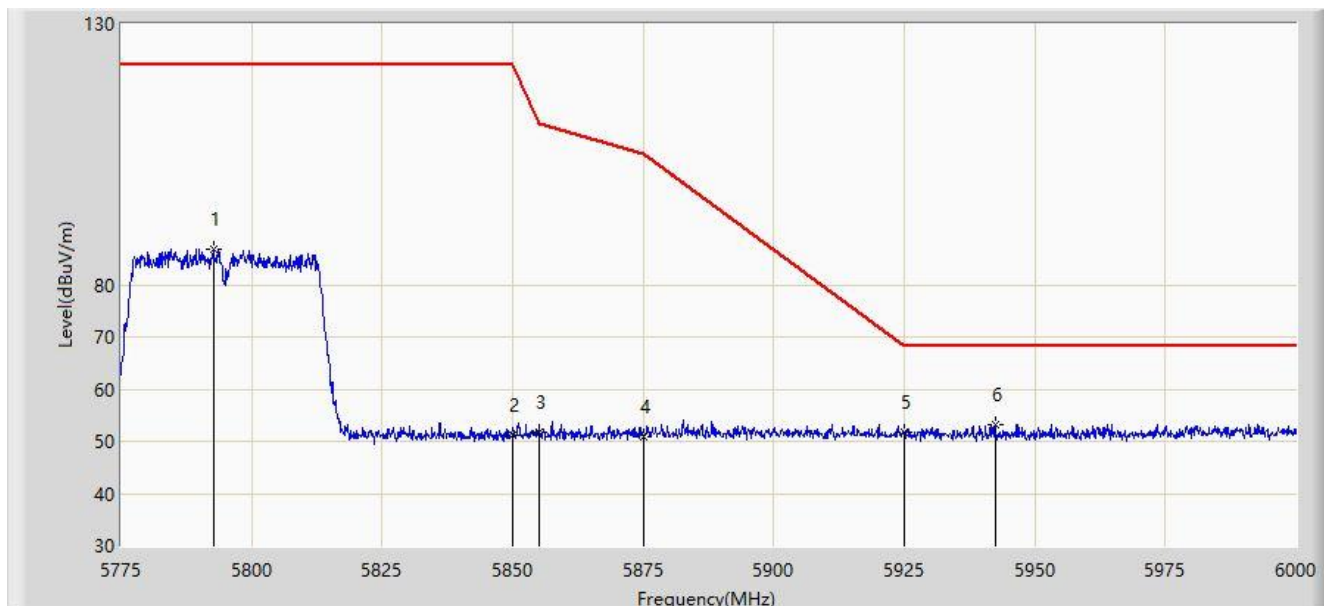


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5634.825	55.727	48.749	-12.473	68.200	6.977	PK
2			5650.000	55.020	47.880	-13.180	68.200	7.140	PK
3			5700.000	52.502	45.287	-52.698	105.200	7.215	PK
4			5720.000	57.383	50.110	-53.417	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 (dBuV/m) = Reading Level (dBuV) + 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	

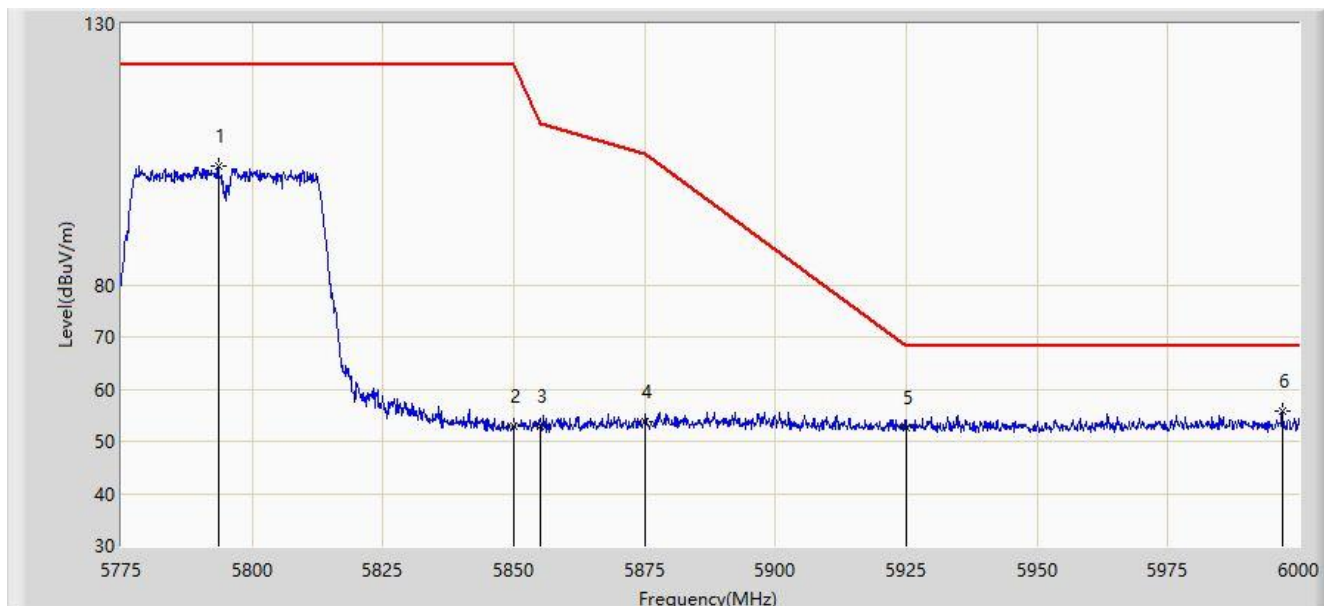


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5792.775	86.892	79.399	N/A	N/A	7.492	PK
2			5850.000	51.213	43.521	-70.987	122.200	7.692	PK
3			5855.000	51.724	44.080	-59.076	110.800	7.644	PK
4			5875.000	50.967	43.365	-54.233	105.200	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 (dBuV/m) = Reading Level (dBuV) + 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	

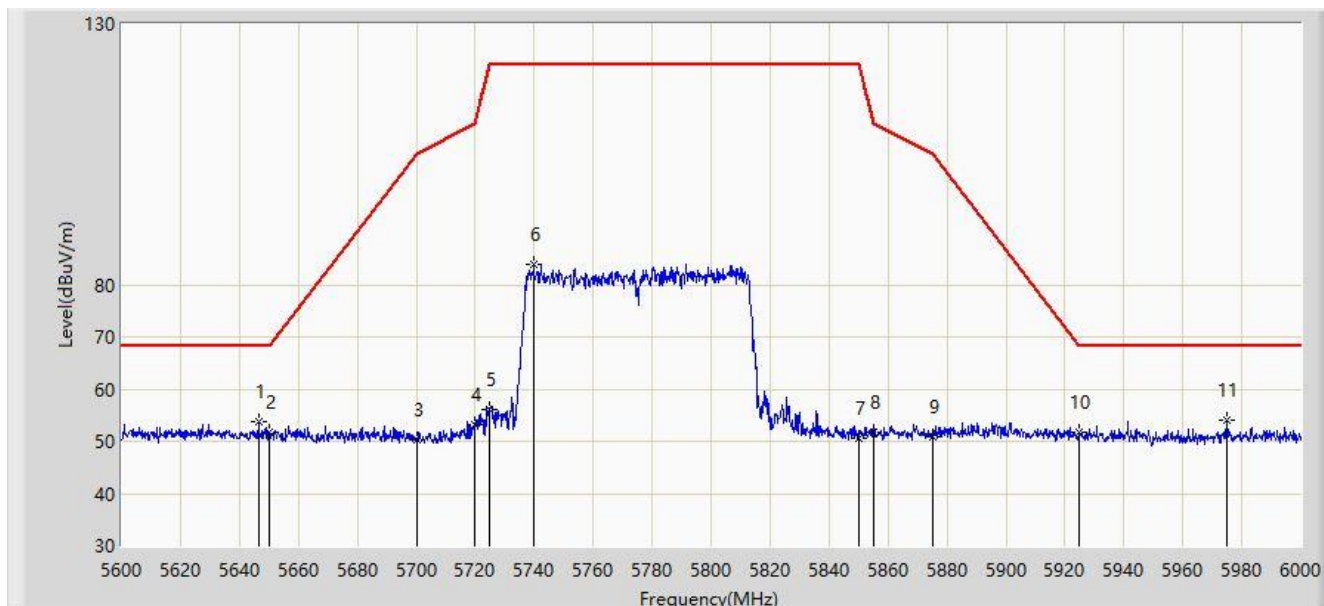


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5793.562	102.740	95.251	N/A	N/A	7.490	PK
2			5850.000	52.887	45.195	-69.313	122.200	7.692	PK
3			5855.000	52.961	45.317	-57.839	110.800	7.644	PK
4			5875.000	53.694	46.092	-51.506	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 (dBuV/m) = Reading Level (dBuV) + 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	

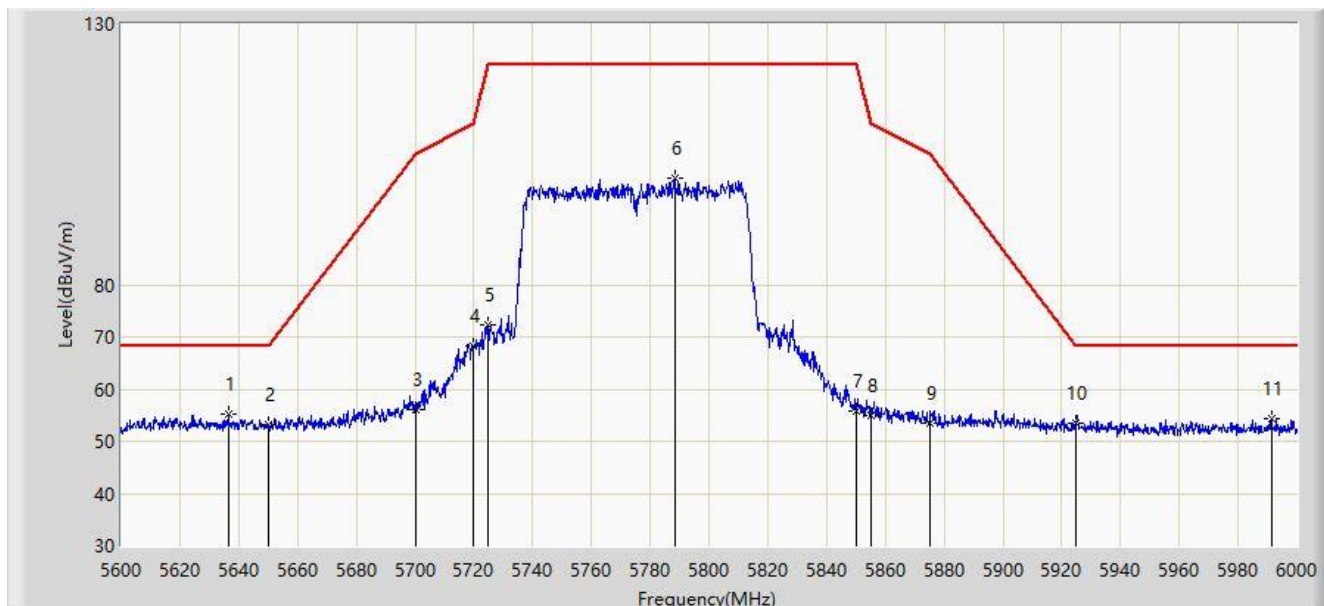


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5646.400	53.640	46.577	-14.560	68.200	7.064	PK
2			5650.000	51.835	44.695	-16.365	68.200	7.140	PK
3			5700.000	50.192	42.977	-55.008	105.200	7.215	PK
4			5720.000	53.057	45.784	-57.743	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 (dBuV/m) = Reading Level (dBuV) + 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 (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

7.9. AC Conducted Emissions Measurement

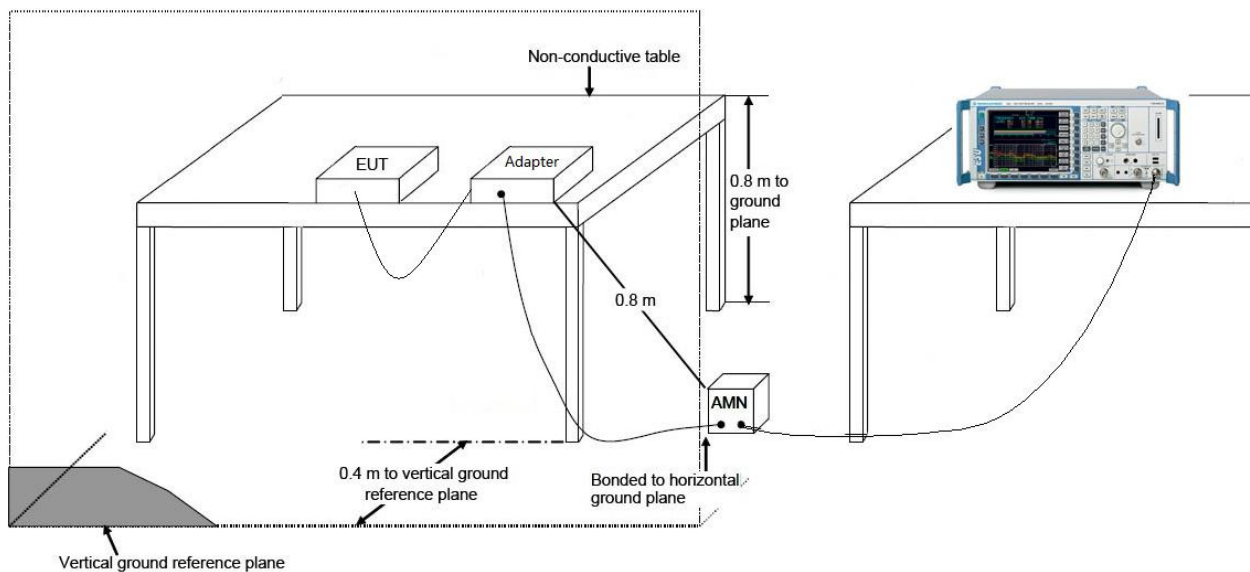
7.9.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
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.

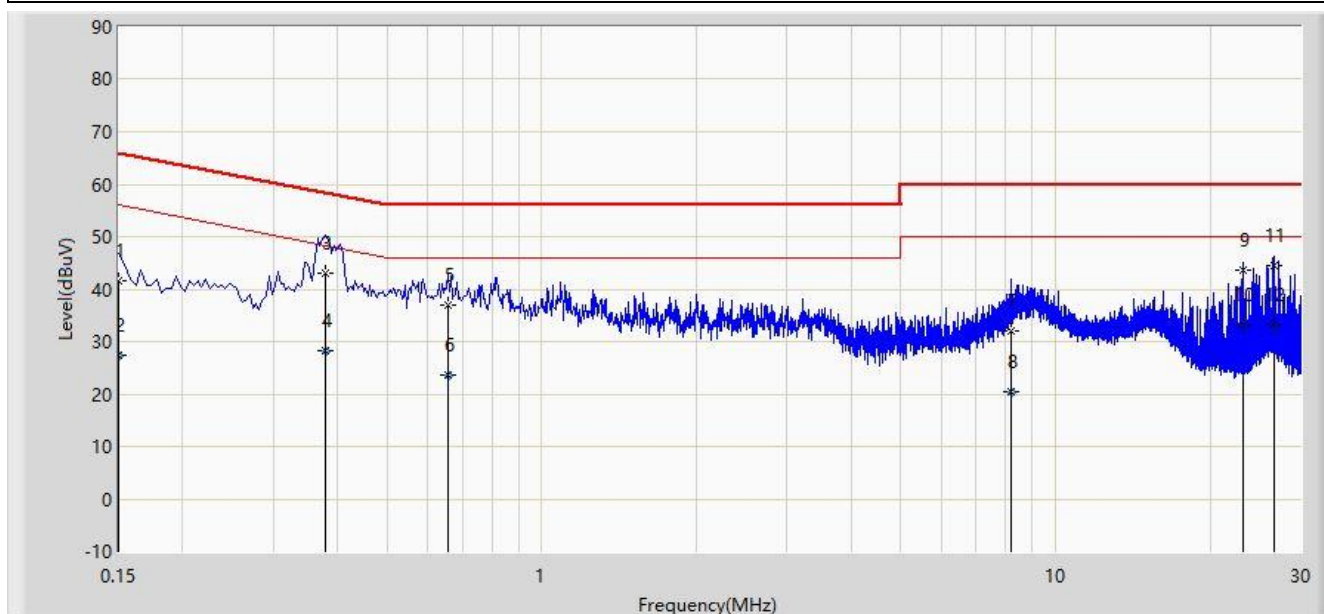
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

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	

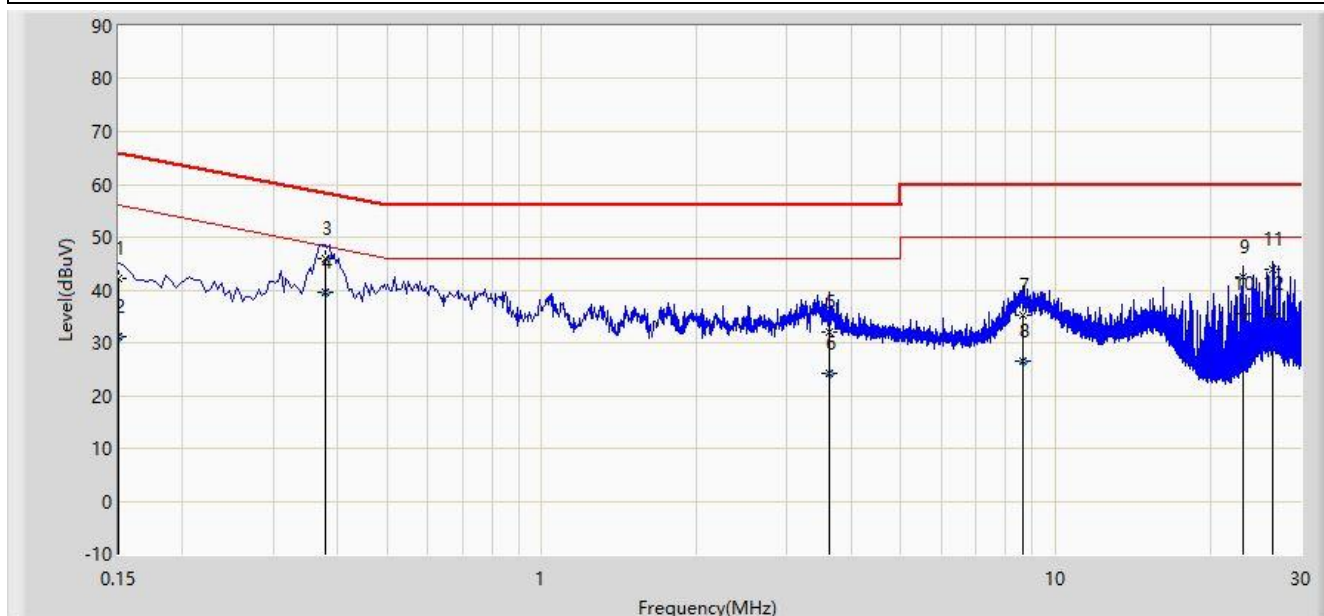


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	41.549	28.472	-24.451	66.000	13.078	QP
2			0.150	27.394	14.316	-28.606	56.000	13.078	AV
3		*	0.378	43.175	33.251	-15.149	58.323	9.924	QP
4			0.378	28.287	18.364	-20.036	48.323	9.924	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.