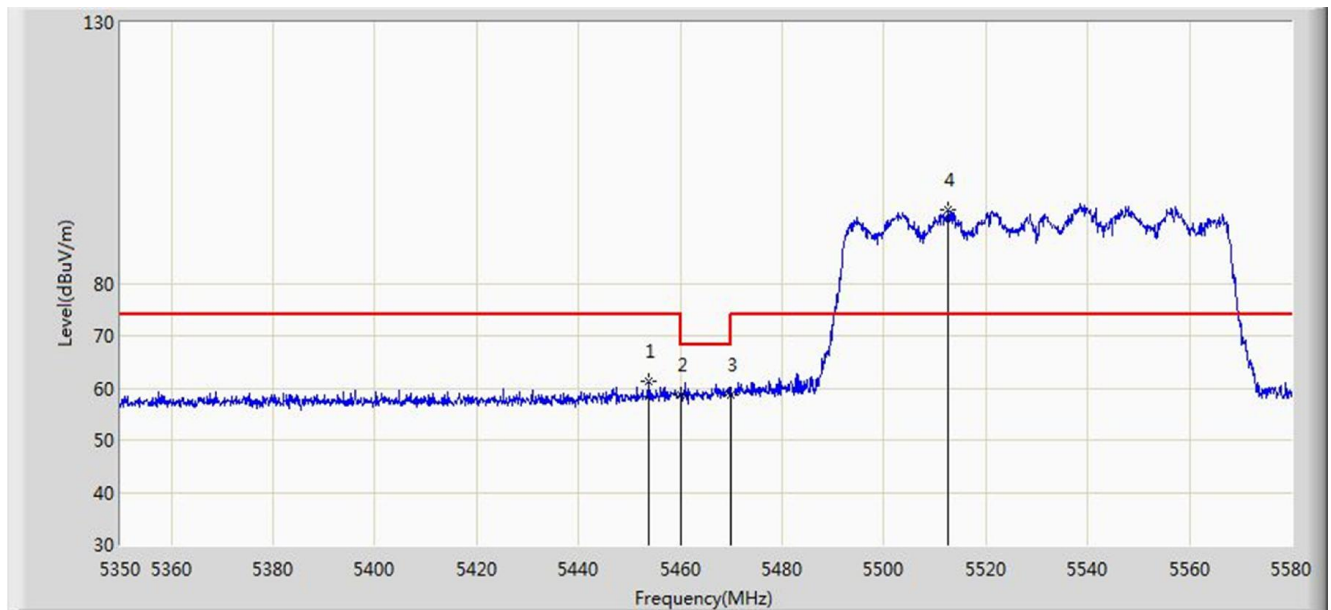


Site: AC1	Time: 2018/11/17 - 16:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band PCI Express Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz	

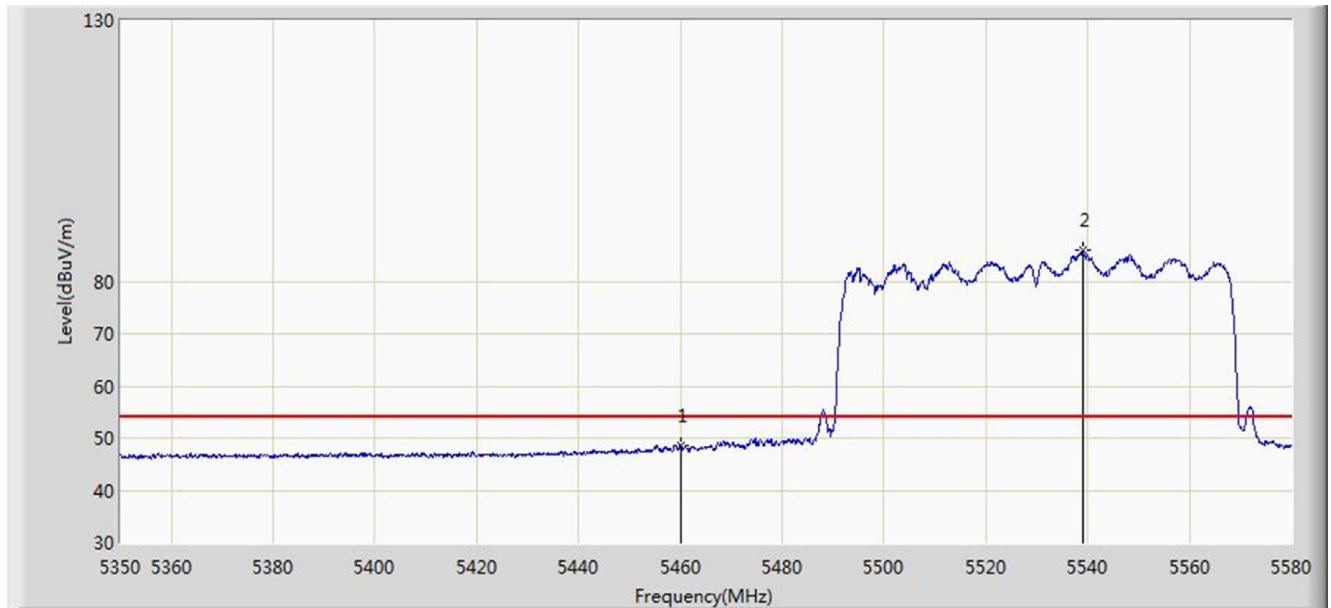


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5453.845	61.175	54.401	-12.825	74.000	6.774	PK
2			5460.000	58.614	51.812	-15.386	74.000	6.802	PK
3			5470.000	58.606	51.761	-9.594	68.200	6.845	PK
4		*	5512.610	94.200	87.388	N/A	N/A	6.811	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: 2018/11/17 - 16:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band PCI Express Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz	

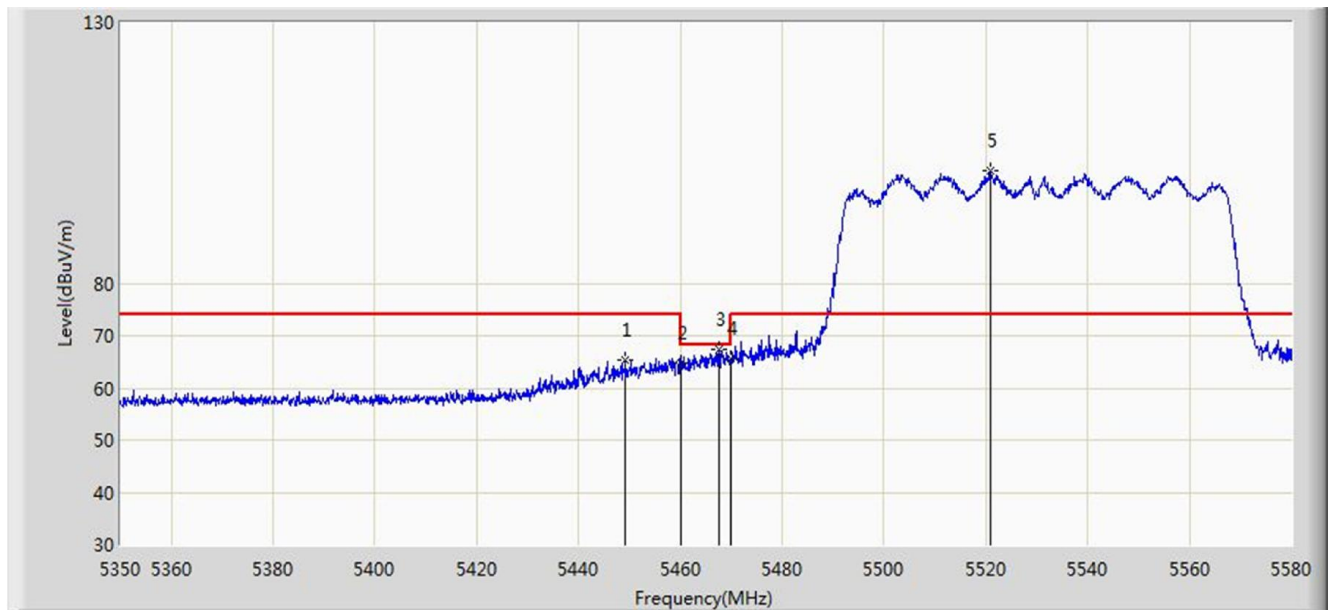


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	48.430	41.628	-5.570	54.000	6.802	AV
2		*	5538.945	85.877	78.981	N/A	N/A	6.896	AV

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: 2018/11/17 - 16:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1200 Wireless Dual Band PCI Express Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz	

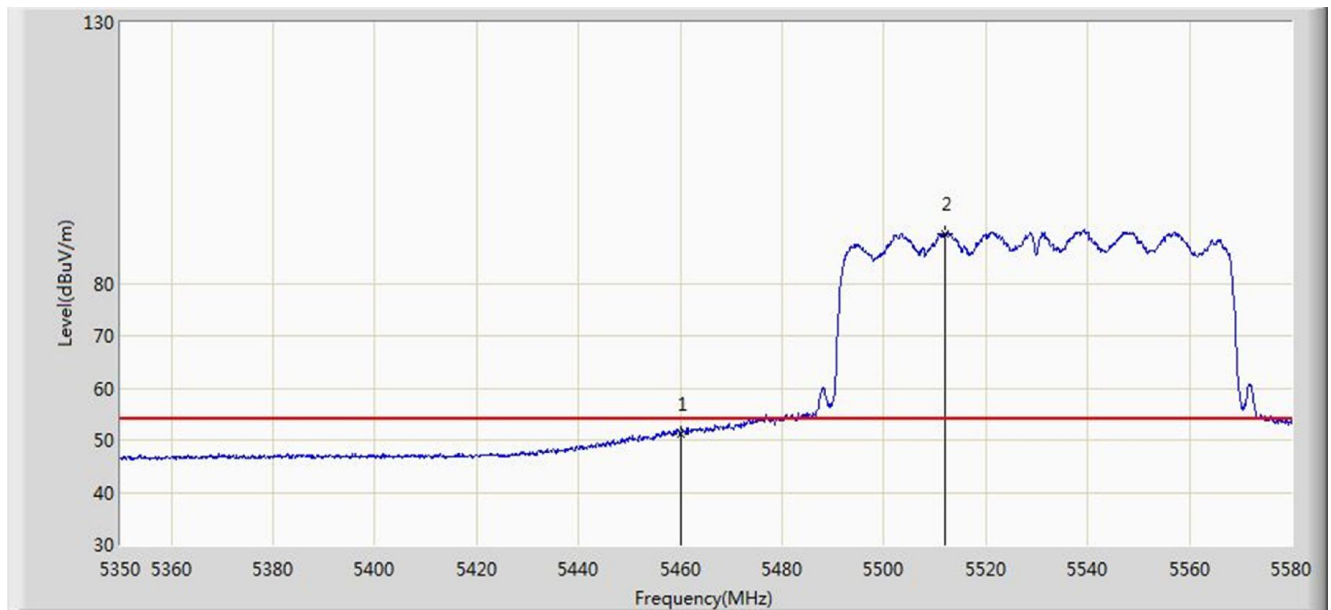


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5449.245	65.376	58.637	-8.624	74.000	6.738	PK
2			5460.000	64.709	57.907	-9.291	74.000	6.802	PK
3			5467.530	67.426	60.592	-0.774	68.200	6.835	PK
4			5470.000	65.699	58.854	-2.501	68.200	6.845	PK
5		*	5521.005	101.608	94.794	N/A	N/A	6.814	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: 2018/11/17 - 16:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1200 Wireless Dual Band PCI Express Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5530MHz	

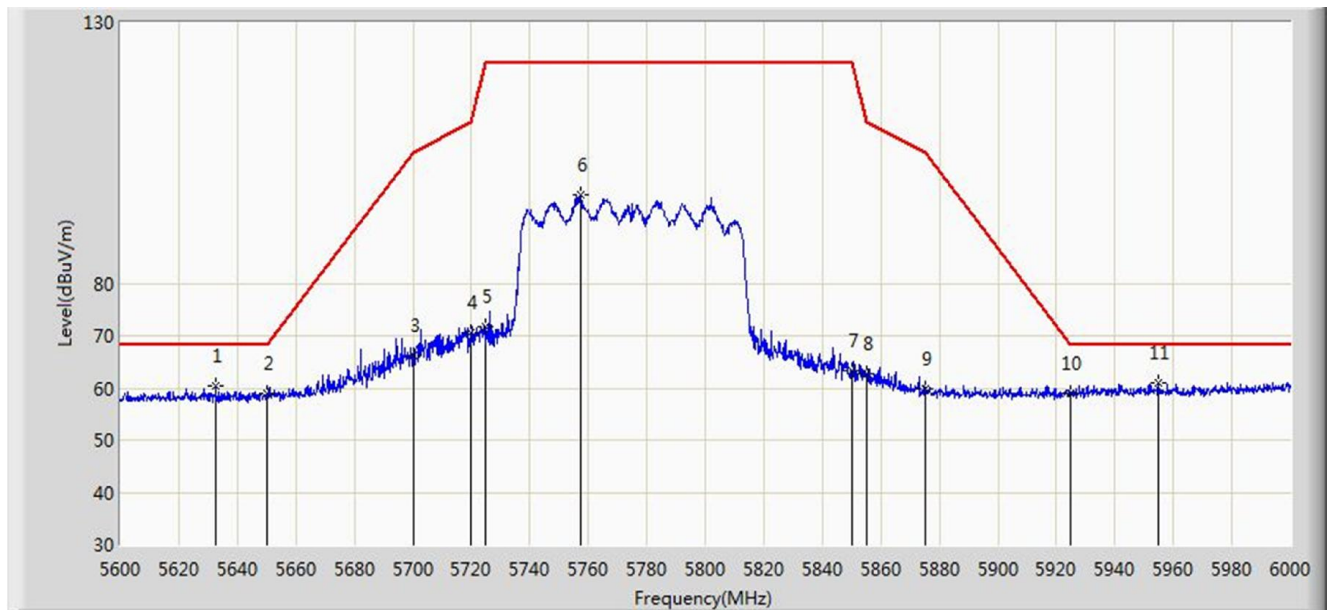


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.210	44.408	-2.790	54.000	6.802	AV
2		*	5512.035	89.540	82.728	N/A	N/A	6.812	AV

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: 2018/11/17 - 16:43
Limit: FCC_Part15.407_RE(3m)_Bandedge	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band PCI Express Adapter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz	

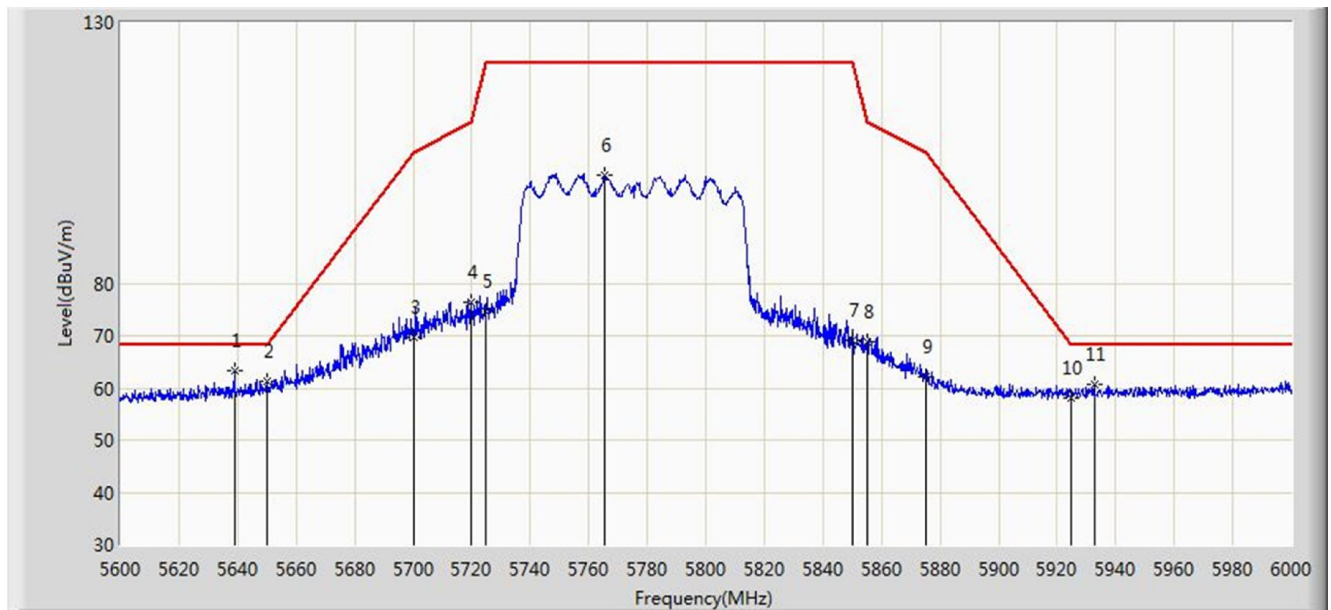


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5632.600	60.380	53.380	-7.820	68.200	7.001	PK
2			5650.000	58.974	51.969	-9.226	68.200	7.005	PK
3			5700.000	66.160	58.995	-39.040	105.200	7.165	PK
4			5720.000	70.670	63.371	-40.130	110.800	7.299	PK
5			5725.000	71.830	64.502	-50.370	122.200	7.328	PK
6			5757.200	97.081	89.668	N/A	N/A	7.412	PK
7			5850.000	63.265	55.492	-58.935	122.200	7.774	PK
8			5855.000	62.745	54.969	-48.055	110.800	7.775	PK
9			5875.000	59.828	52.010	-45.372	105.200	7.818	PK
10			5925.000	59.096	51.277	-9.104	68.200	7.819	PK
11		*	5954.800	61.092	53.243	-7.108	68.200	7.849	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: 2018/11/17 - 16:45
Limit: FCC_Part15.407_RE(3m)_Bandedge	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1200 Wireless Dual Band PCI Express Adapter	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)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5639.000	63.397	56.408	-4.803	68.200	6.989	PK
2			5650.000	61.288	54.283	-6.912	68.200	7.005	PK
3			5700.000	69.572	62.407	-35.628	105.200	7.165	PK
4			5720.000	76.289	68.990	-34.511	110.800	7.299	PK
5			5725.000	74.631	67.303	-47.569	122.200	7.328	PK
6			5765.400	100.714	93.282	N/A	N/A	7.432	PK
7			5850.000	69.174	61.401	-53.026	122.200	7.774	PK
8			5855.000	68.717	60.941	-42.083	110.800	7.775	PK
9			5875.000	62.160	54.342	-43.040	105.200	7.818	PK
10			5925.000	58.184	50.365	-10.016	68.200	7.819	PK
11			5932.800	60.750	52.924	-7.450	68.200	7.825	PK

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

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

7.10. AC Conducted Emissions Measurement

7.10.1. 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.

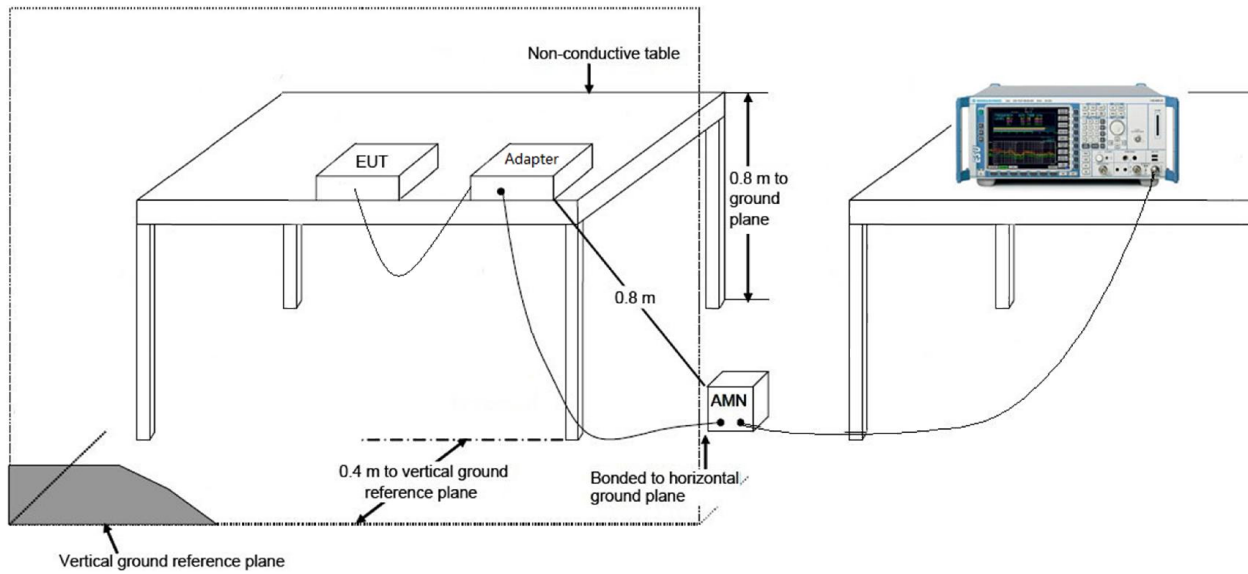
7.10.2. Test Procedure

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.

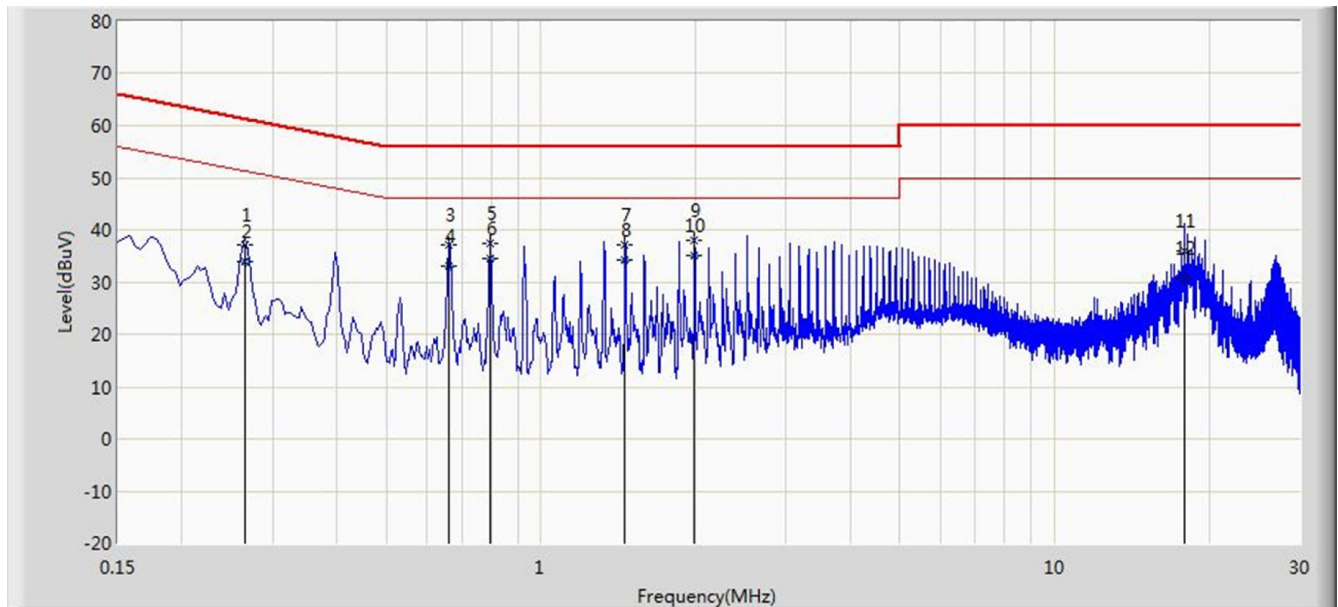
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

7.10.3. Test Setup



7.10.4. Test Result

Site: TR3	Time: 2018/11/29 - 11:32
Limit: FCC_Part15.207_CE_AC Power_Class B	Engineer: Bacon Dong
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: AC1200 Wireless Dual Band PCI Express Adapter	Power: AC 120V/60Hz
Test Mode: Worst case	

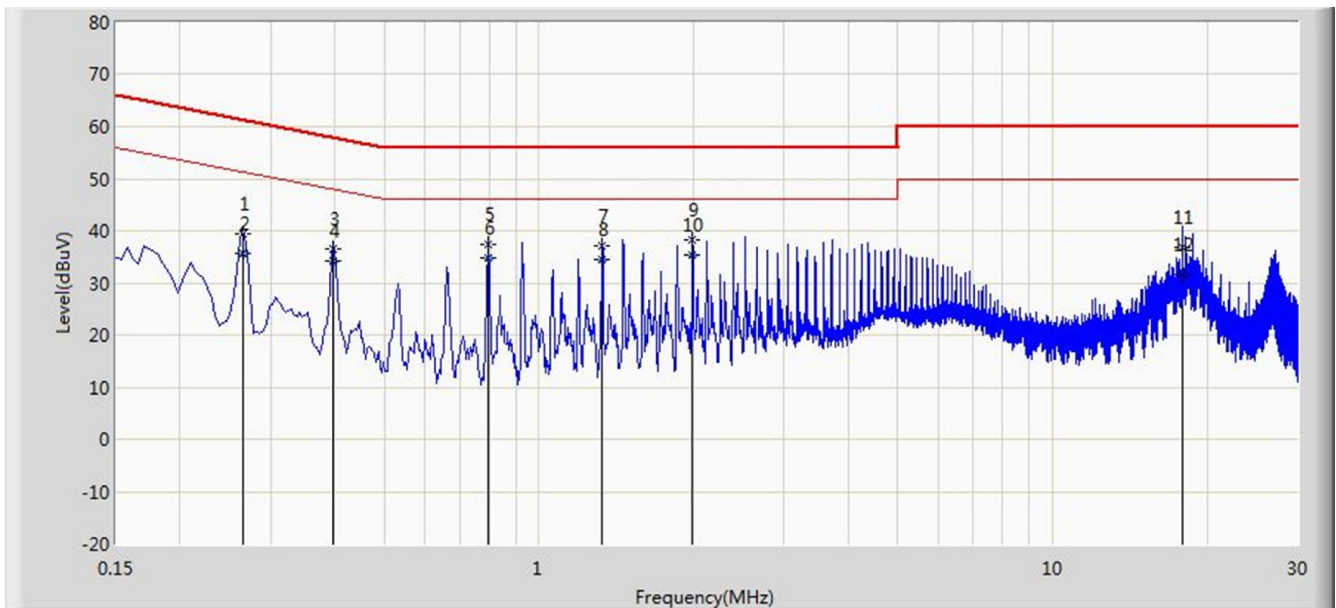


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.266	37.143	27.166	-24.099	61.242	9.977	QP
2			0.266	33.937	23.960	-17.305	51.242	9.977	AV
3			0.662	37.041	26.958	-18.959	56.000	10.083	QP
4			0.662	33.074	22.991	-12.926	46.000	10.083	AV
5			0.794	37.515	27.502	-18.485	56.000	10.014	QP
6			0.794	34.408	24.394	-11.592	46.000	10.014	AV
7			1.458	37.201	27.310	-18.799	56.000	9.891	QP
8			1.458	34.299	24.408	-11.701	46.000	9.891	AV
9			1.990	38.099	28.228	-17.901	56.000	9.871	QP
10		*	1.990	35.187	25.316	-10.813	46.000	9.871	AV
11			17.942	35.812	25.715	-24.188	60.000	10.097	QP
12			17.942	30.804	20.707	-19.196	50.000	10.097	AV

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

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

Site: TR3	Time: 2018/11/29 - 11:36
Limit: FCC_Part15.207_CE_AC Power_Class B	Engineer: Bacon Dong
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: AC1200 Wireless Dual Band PCI Express Adapter	Power: AC 120V/60Hz
Test Mode: Worst case	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.266	39.333	29.320	-21.909	61.242	10.013	QP
2			0.266	35.525	25.512	-15.717	51.242	10.013	AV
3			0.398	36.474	26.363	-21.421	57.895	10.111	QP
4			0.398	34.182	24.071	-13.713	47.895	10.111	AV
5			0.798	37.536	27.516	-18.464	56.000	10.020	QP
6			0.798	34.923	24.903	-11.077	46.000	10.020	AV
7			1.326	37.102	27.205	-18.898	56.000	9.897	QP
8			1.326	34.446	24.549	-11.554	46.000	9.897	AV
9			1.990	38.286	28.412	-17.714	56.000	9.873	QP
10		*	1.990	35.464	25.591	-10.536	46.000	9.873	AV
11			17.938	36.860	26.725	-23.140	60.000	10.135	QP
12			17.938	31.658	21.523	-18.342	50.000	10.135	AV

Note: Measure Level (dBuV) = Reading Level (dBuV) + 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 **AC1200 Wireless Dual Band PCI Express Adapter** is in compliance with Part 15E of the FCC Rules.

The End

Appendix A - Test Setup Photograph

Refer to “1811RSU003-UT” file.

Appendix B - EUT Photograph

Refer to “1811RSU003-UE” file.