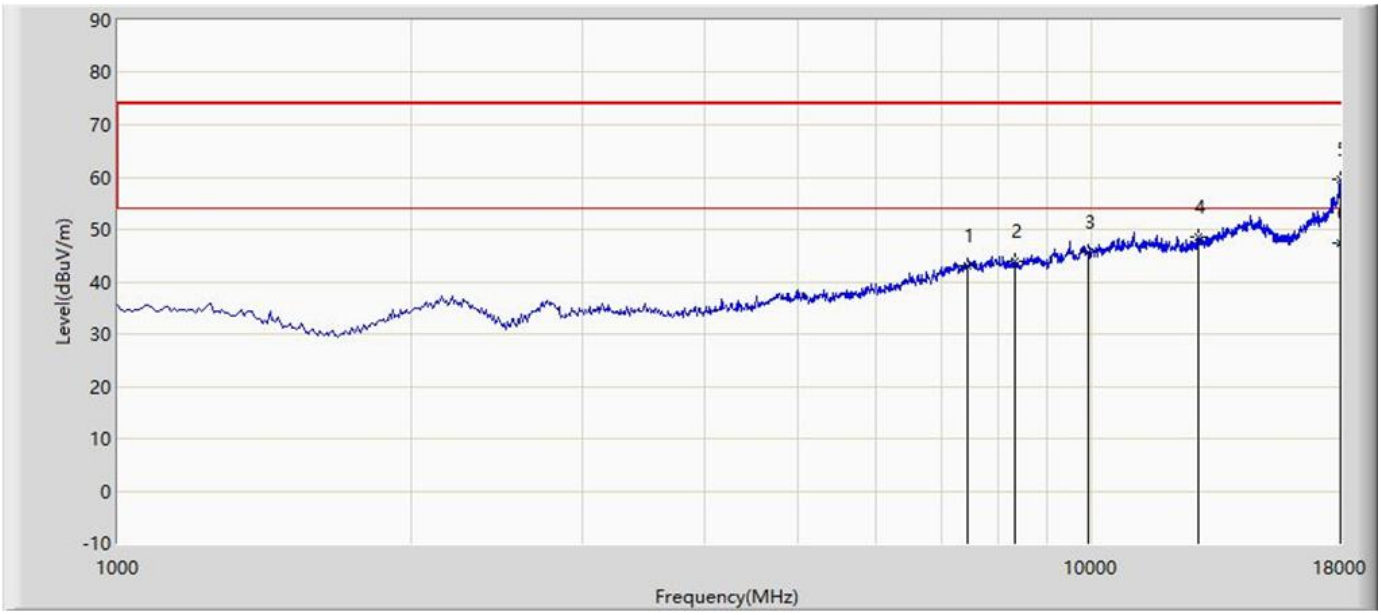
Annex – Worse Case Radiated Spurious Emission

2.4GHz Bluetooth

Site: AC1	Time: 2017/09/02 - 00:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: By POE
Test Mode: Transmit by BLE at channel 2440MHz	



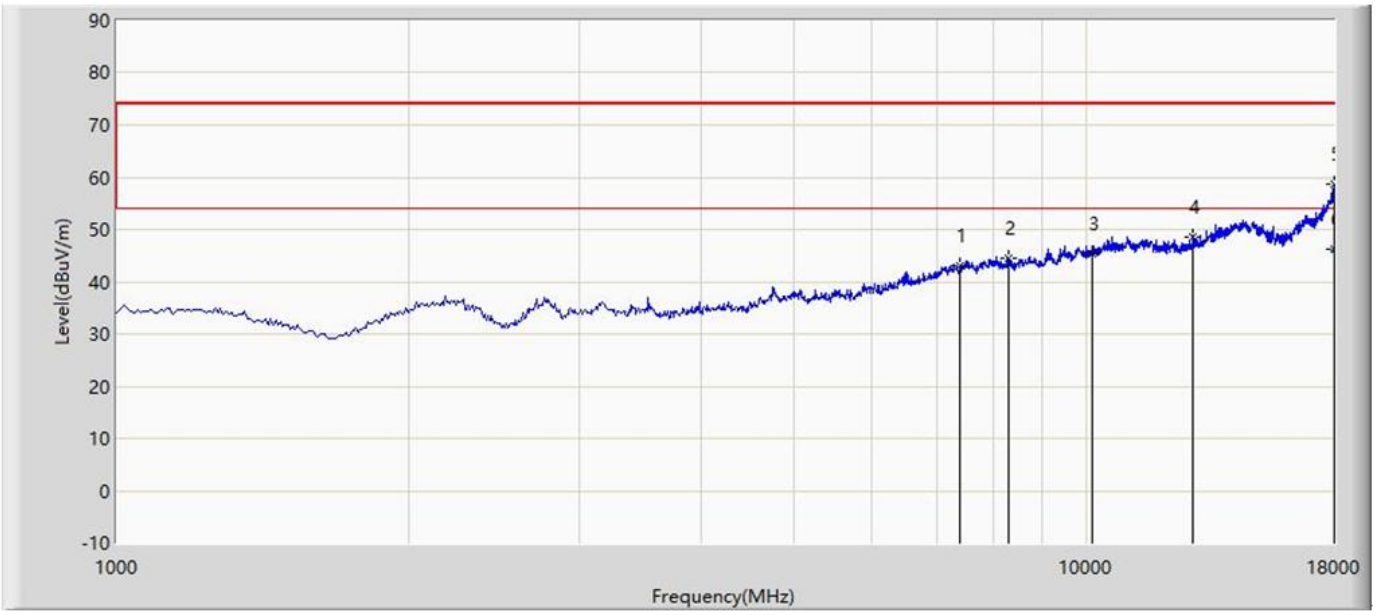
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7460.000	43.054	30.280	-30.946	74.000	12.774	PK
2			8327.000	43.816	31.878	-30.184	74.000	11.938	PK
3		*	9899.500	45.587	30.221	-28.413	74.000	15.366	PK
4		*	12840.500	48.542	29.336	-25.458	74.000	19.206	PK
5			18000.000	59.450	27.363	-14.550	74.000	32.087	PK
6			18000.000	47.299	15.212	-6.701	54.000	32.087	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/02 - 00:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: By POE
Test Mode: Transmit by BLE at channel 2440MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7400.500	42.939	30.355	-31.061	74.000	12.584	PK
2			8293.000	44.625	32.726	-29.375	74.000	11.899	PK
3		*	10120.500	45.267	29.437	-28.733	74.000	15.829	PK
4		*	12840.500	48.542	29.336	-25.458	74.000	19.206	PK
5			17983.000	58.712	26.865	-15.288	74.000	31.847	PK
6			17983.120	46.104	14.255	-7.896	54.000	31.849	AV

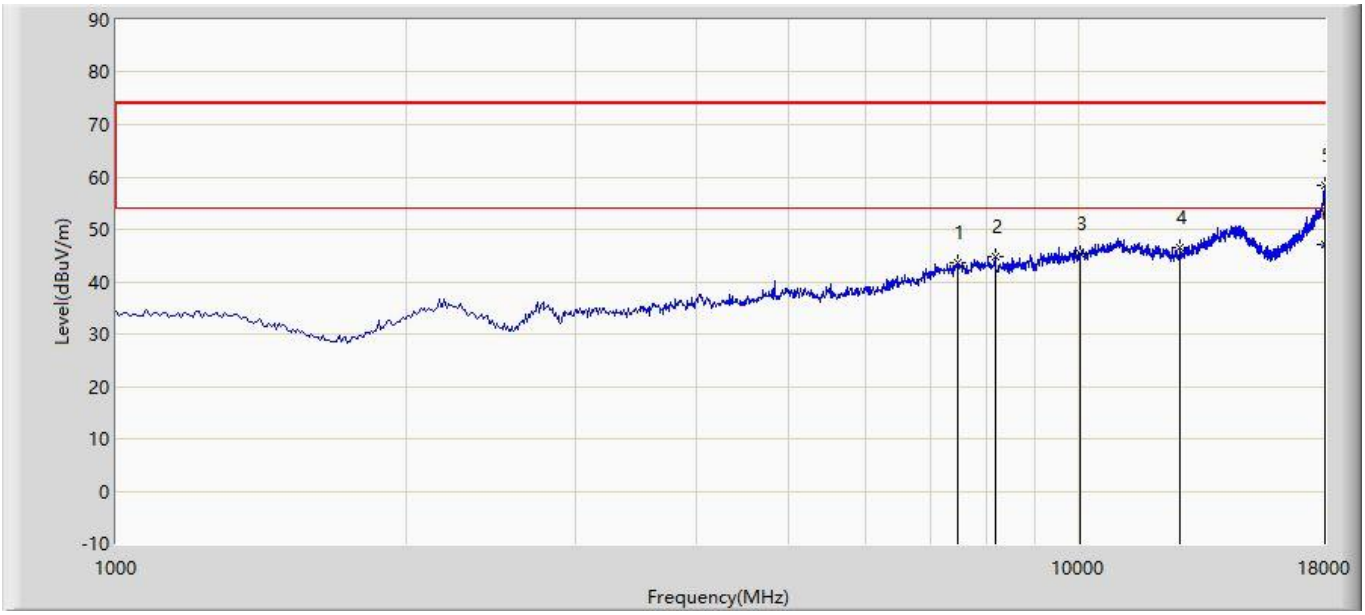
Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

2.4GHz Wi-Fi - Omni Antenna (AP-ANT-40)

Site: AC1	Time: 2017/09/11 - 15:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT- Omni Antenna (AP-ANT-40)	Power: By POE
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0 + 1 (CDD Mode)	



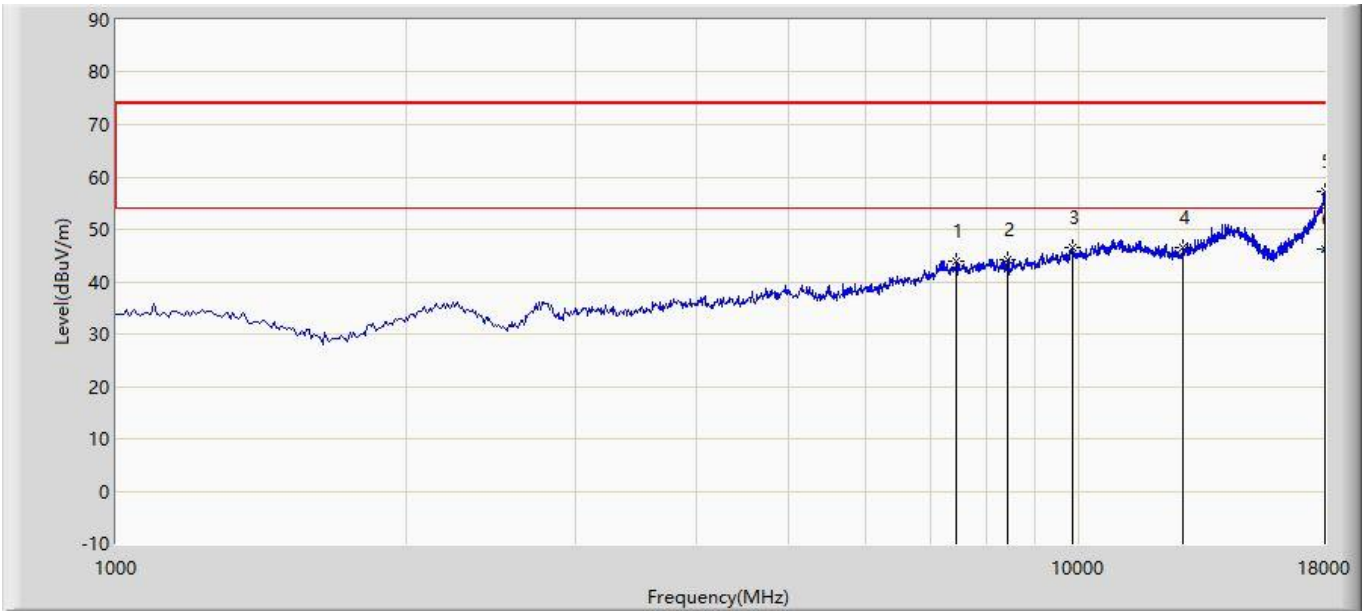
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7485.500	43.673	30.848	-30.327	74.000	12.825	PK
2			8174.000	44.910	32.878	-29.090	74.000	12.032	PK
3		*	10035.500	45.218	29.748	-37.582	82.800	15.471	PK
4		*	12747.000	46.461	27.564	-36.339	82.800	18.898	PK
5			18000.000	58.287	26.200	-15.713	74.000	32.087	PK
6			18000.000	47.074	14.987	-6.926	54.000	32.087	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 15:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT- Omni Antenna (AP-ANT-40)	Power: By POE
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0 + 1 (CDD Mode)	



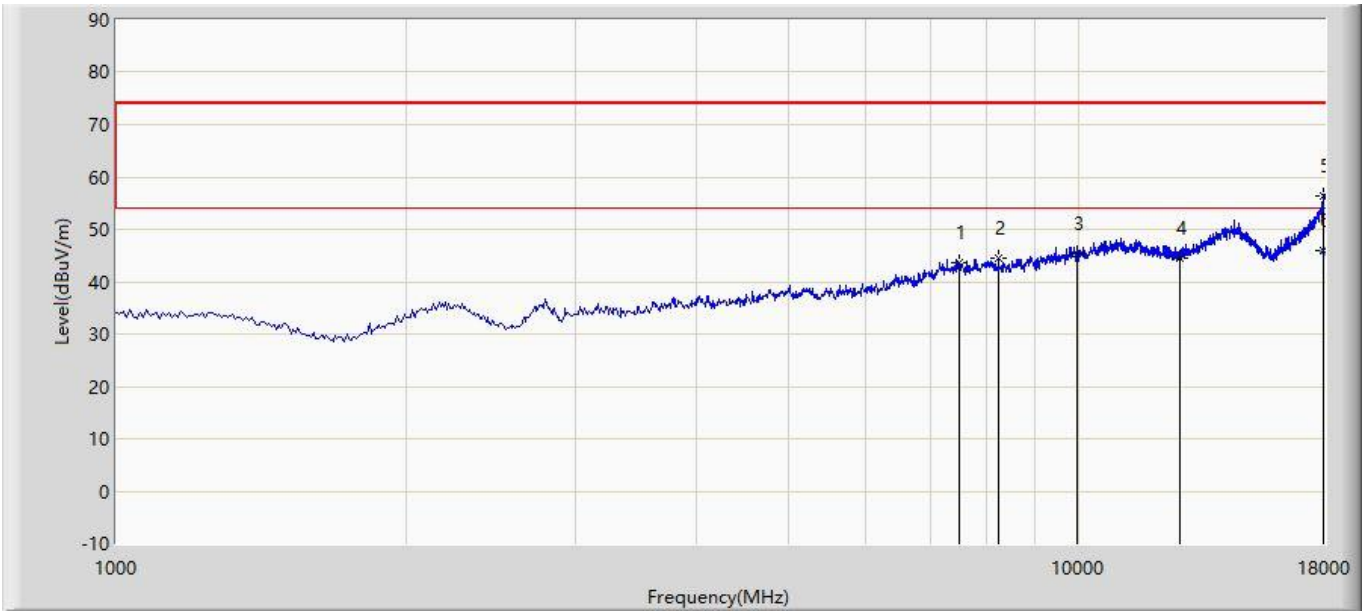
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7460.000	43.952	31.178	-30.048	74.000	12.774	PK
2			8429.000	44.129	31.764	-29.871	74.000	12.365	PK
3		*	9848.500	46.525	30.378	-36.275	82.800	16.148	PK
4		*	12815.000	46.504	27.374	-36.296	82.800	19.130	PK
5			17974.500	57.134	25.403	-16.866	74.000	31.731	PK
6			17974.560	46.311	14.579	-7.689	54.000	31.732	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 16:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT- Omni Antenna (AP-ANT-40)	Power: By POE
Test Mode: Transmit by 802.11g at Channel 2437MHz Ant 0 + 1 (CDD Mode)	



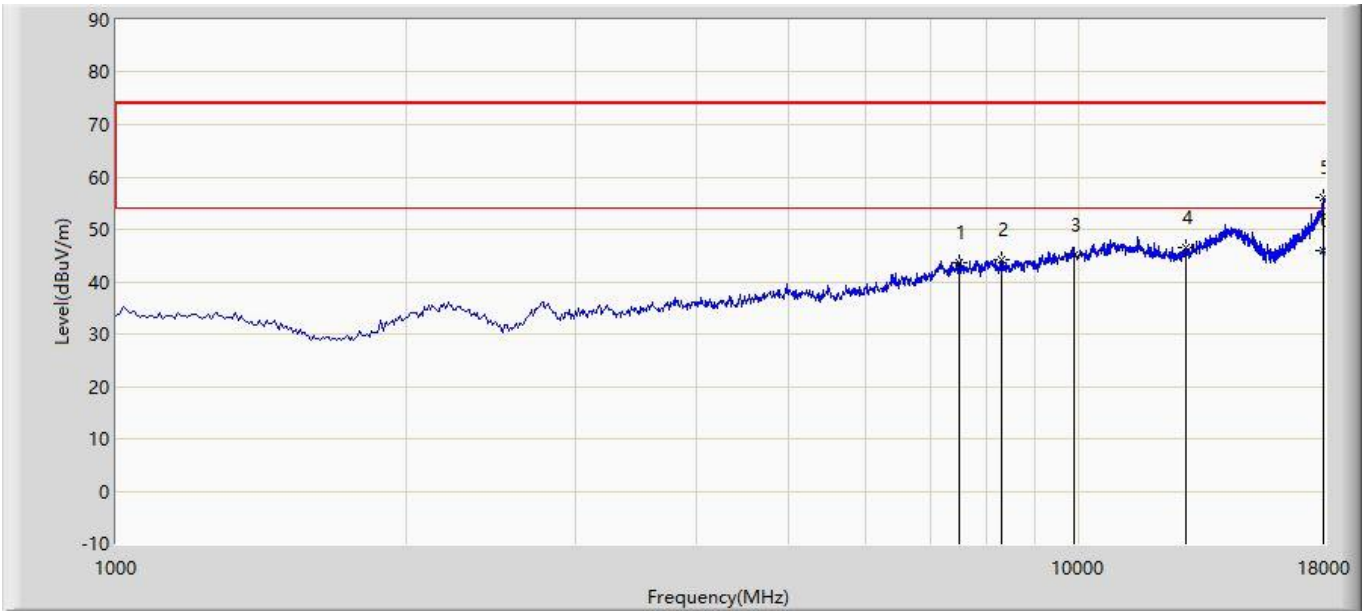
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7519.500	43.717	30.873	-30.283	74.000	12.844	PK
2			8242.000	44.496	32.621	-29.504	74.000	11.875	PK
3		*	9950.500	45.231	29.906	-43.869	89.100	15.325	PK
4		*	12721.500	44.555	25.737	-44.545	89.100	18.818	PK
5			17940.500	56.368	25.116	-17.632	74.000	31.251	PK
6			17940.580	45.896	14.643	-8.104	54.000	31.252	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 16:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT- Omni Antenna (AP-ANT-40)	Power: By POE
Test Mode: Transmit by 802.11g at Channel 2437MHz Ant 0 + 1 (CDD Mode)	



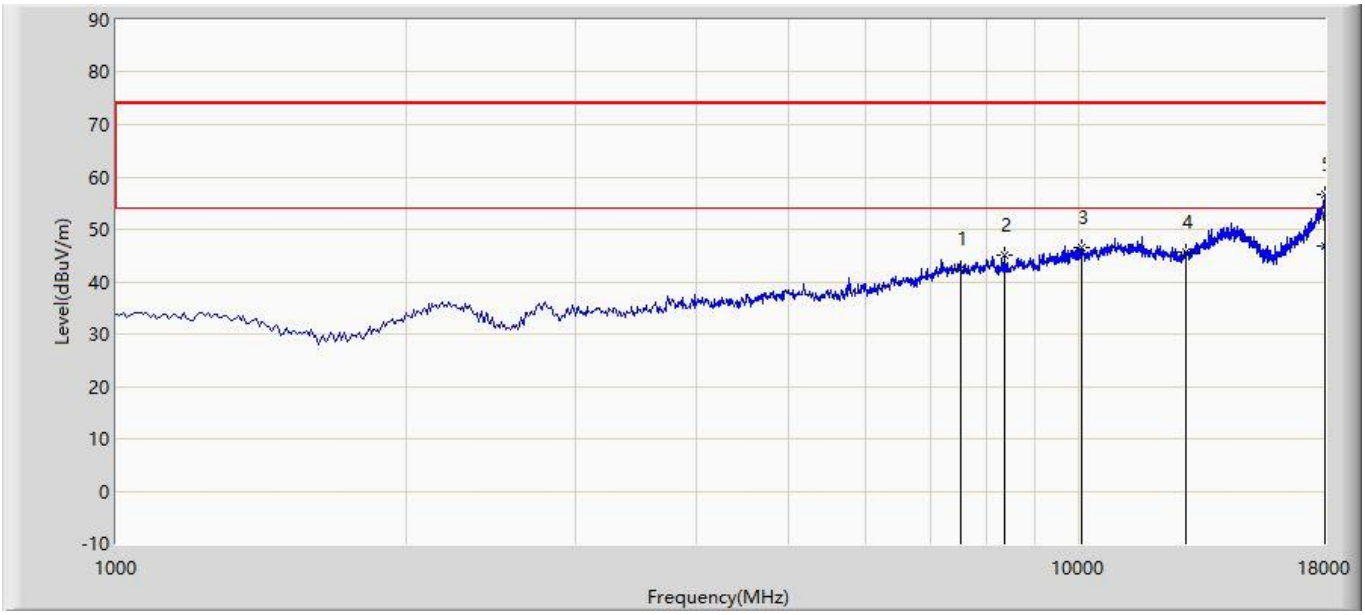
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7519.500	43.717	30.873	-30.283	74.000	12.844	PK
2			8310.000	44.063	32.146	-29.937	74.000	11.917	PK
3		*	9882.500	45.125	29.487	-43.975	89.100	15.638	PK
4		*	12900.000	46.659	27.196	-42.441	89.100	19.463	PK
5			17949.000	56.102	24.726	-17.898	74.000	31.376	PK
6			17949.120	45.920	14.542	-8.080	54.000	31.378	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 17:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT- Omni Antenna (AP-ANT-40)	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at Channel 2437MHz Ant 0 + 1 (CDD Mode)	



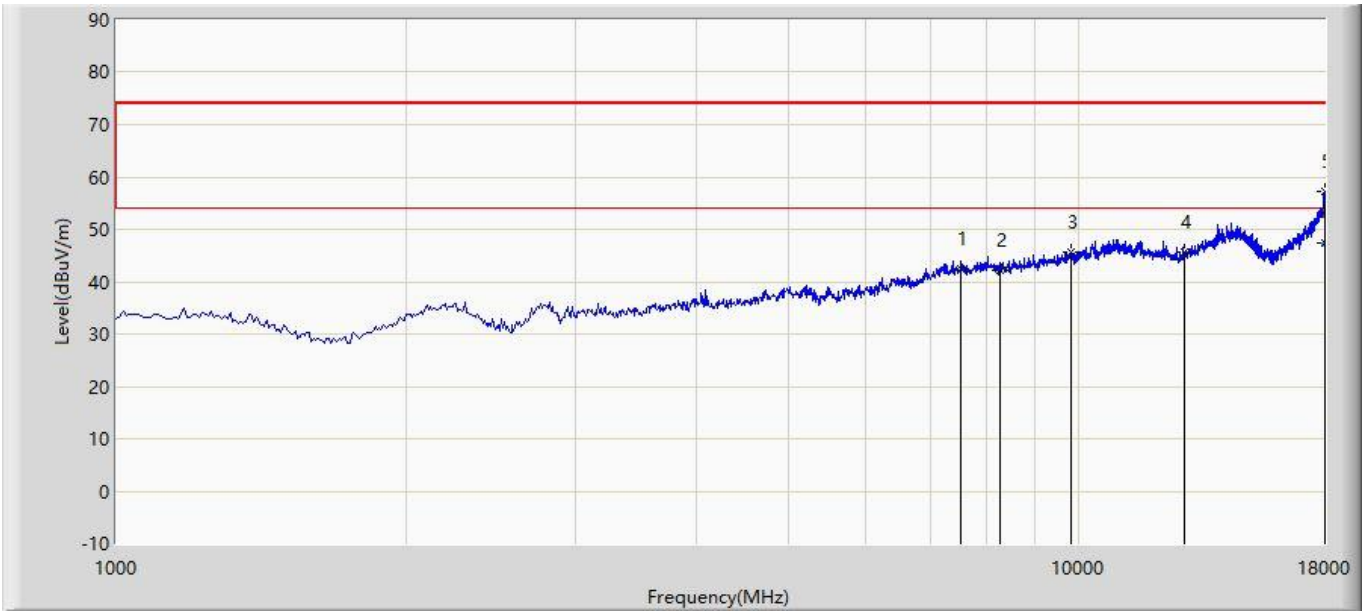
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7536.500	42.369	29.535	-31.631	74.000	12.834	PK
2			8378.000	44.960	32.867	-29.040	74.000	12.093	PK
3		*	10052.500	46.473	30.948	-43.227	89.700	15.525	PK
4		*	12891.500	45.521	26.097	-44.179	89.700	19.424	PK
5			18000.000	56.782	24.695	-17.218	74.000	32.087	PK
6			18000.000	46.733	14.646	-7.267	54.000	32.087	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 17:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT- Omni Antenna (AP-ANT-40)	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at Channel 2437MHz Ant 0 + 1 (CDD Mode)	



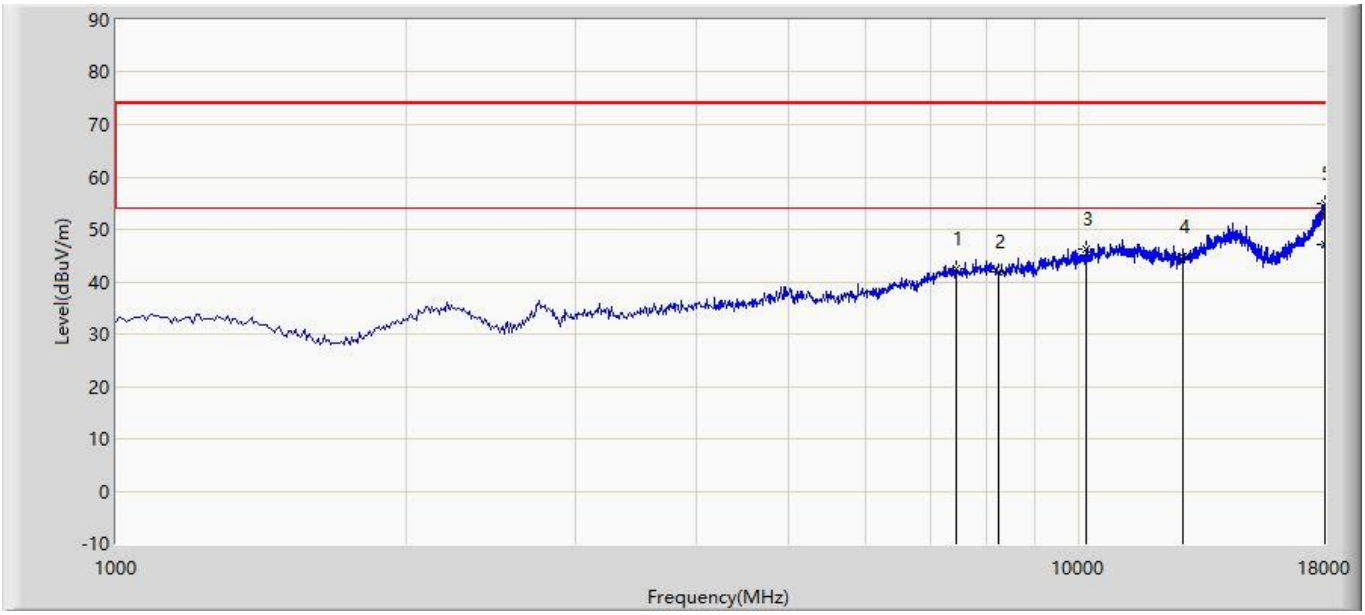
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7536.500	42.369	29.535	-31.631	74.000	12.834	PK
2			8276.000	42.248	30.363	-31.752	74.000	11.885	PK
3		*	9806.000	45.796	30.614	-43.904	89.700	15.182	PK
4		*	12883.000	45.746	26.360	-43.954	89.700	19.385	PK
5			18000.000	57.162	25.075	-16.838	74.000	32.087	PK
6			18000.000	47.333	15.246	-6.667	54.000	32.087	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 17:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT- Omni Antenna (AP-ANT-40)	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz Ant 0 + 1 (CDD Mode)	



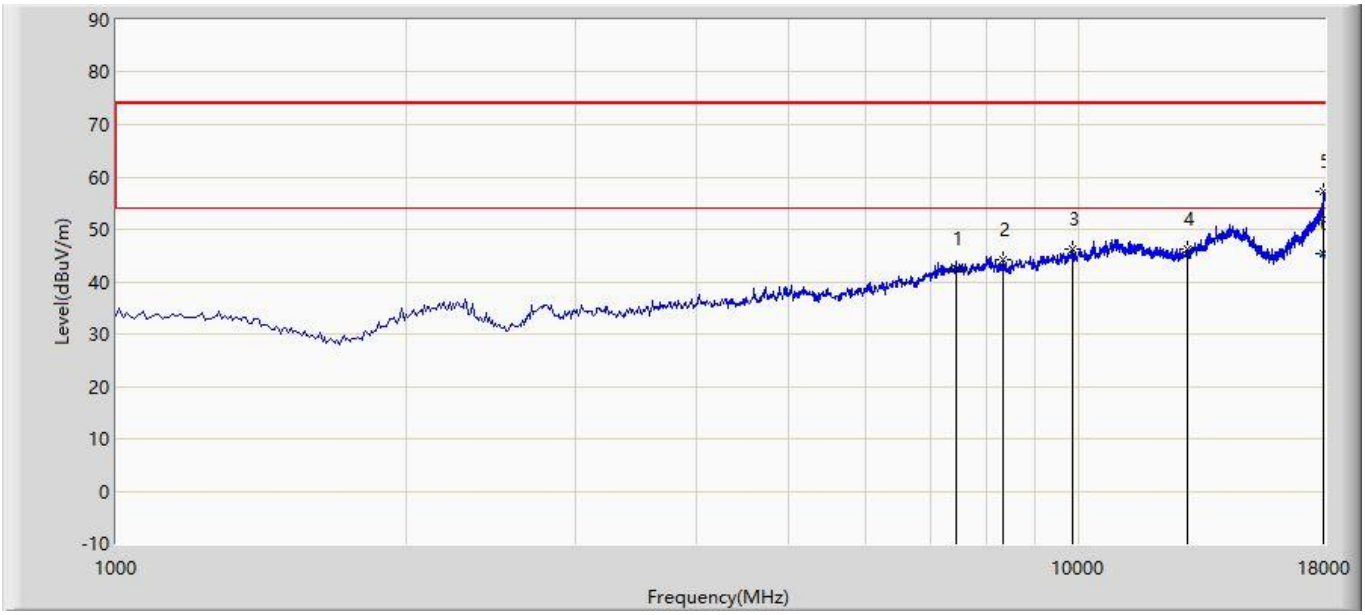
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7451.500	42.353	29.601	-31.647	74.000	12.753	PK
2			8250.500	41.902	30.030	-32.098	74.000	11.871	PK
3		*	10188.500	46.211	30.050	-36.389	82.600	16.161	PK
4		*	12823.500	44.867	25.711	-37.733	82.600	19.155	PK
5			17983.000	55.070	23.223	-18.930	74.000	31.847	PK
6			17983.120	47.196	15.347	-6.804	54.000	31.849	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 17:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT- Omni Antenna (AP-ANT-40)	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz Ant 0 + 1 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7451.500	42.353	29.601	-31.647	74.000	12.753	PK
2			8327.000	44.058	32.120	-29.942	74.000	11.938	PK
3		*	9831.500	46.281	30.430	-36.319	82.600	15.851	PK
4		*	12951.000	46.272	26.550	-36.328	82.600	19.722	PK
5			17923.500	57.167	26.174	-16.833	74.000	30.993	PK
6			17923.650	45.282	14.287	-8.718	54.000	30.995	AV

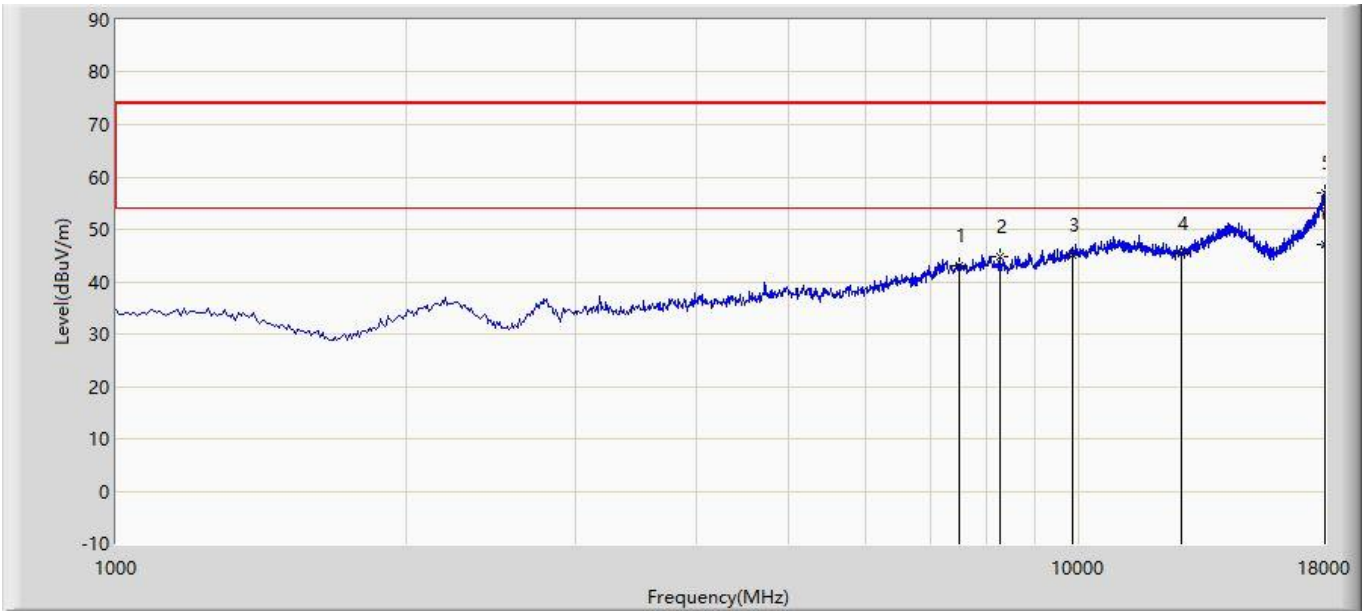
Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

2.4GHz Wi-Fi - Directional Antenna (AP-ANT-48)

Site: AC1	Time: 2017/09/11 - 10:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT- Directional Antenna(AP-ANT-48)	Power: By POE
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0 + 1 (CDD Mode)	



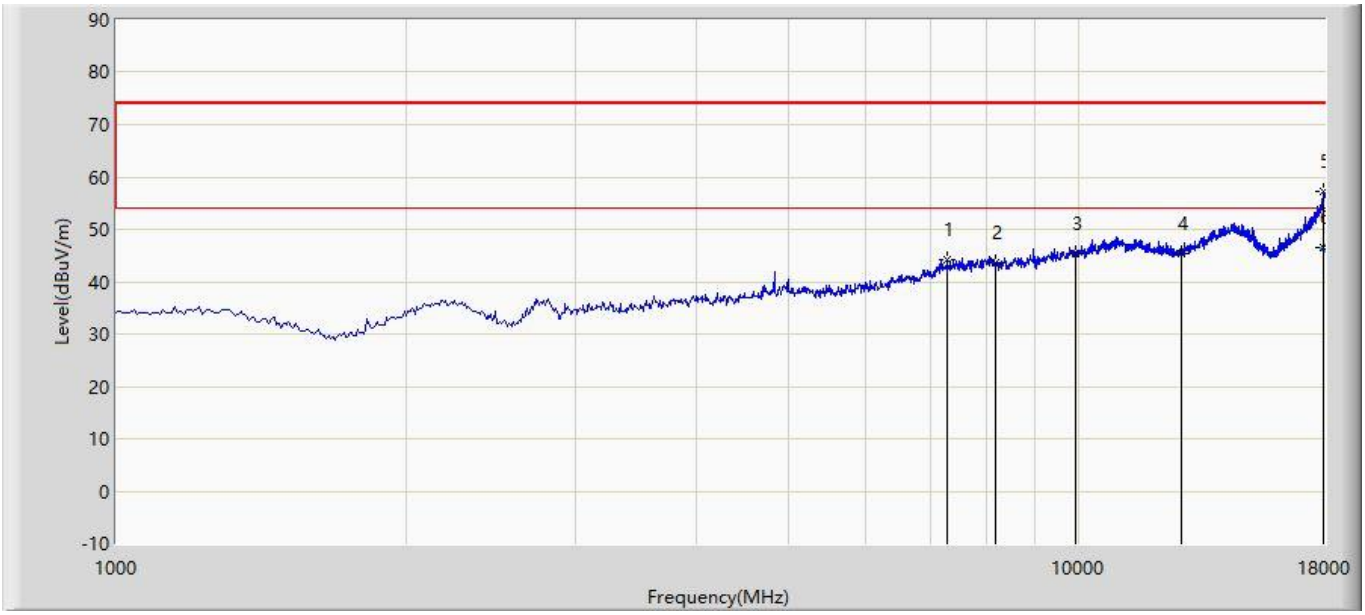
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7519.500	43.043	30.199	-30.957	74.000	12.844	PK
2			8284.500	44.803	32.911	-29.197	74.000	11.893	PK
3		*	9857.000	45.124	28.937	-45.076	90.200	16.187	PK
4		*	12781.000	45.498	26.480	-44.702	90.200	19.019	PK
5			17974.500	56.979	25.248	-17.021	74.000	31.731	PK
6			17974.620	47.007	15.274	-6.993	54.000	31.733	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 10:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT- Directional Antenna(AP-ANT-48)	Power: By POE
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0 + 1 (CDD Mode)	



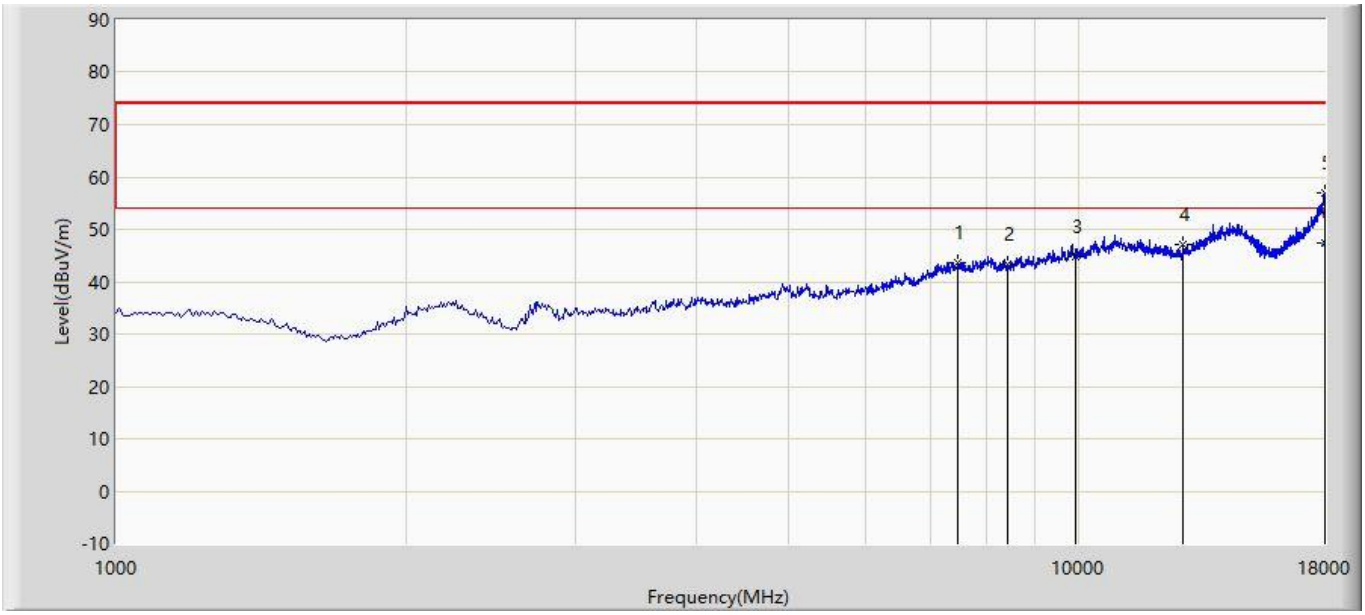
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7298.500	44.228	31.910	-29.772	74.000	12.317	PK
2			8199.500	43.637	31.687	-30.363	74.000	11.951	PK
3		*	9899.500	45.315	29.949	-44.885	90.200	15.366	PK
4		*	12781.000	45.498	26.480	-44.702	90.200	19.019	PK
5			17949.000	57.242	25.866	-16.758	74.000	31.376	PK
6			17949.250	46.604	15.224	-7.396	54.000	31.380	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 10:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT- Directional Antenna(AP-ANT-48)	Power: By POE
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0 + 1 (CDD Mode)	



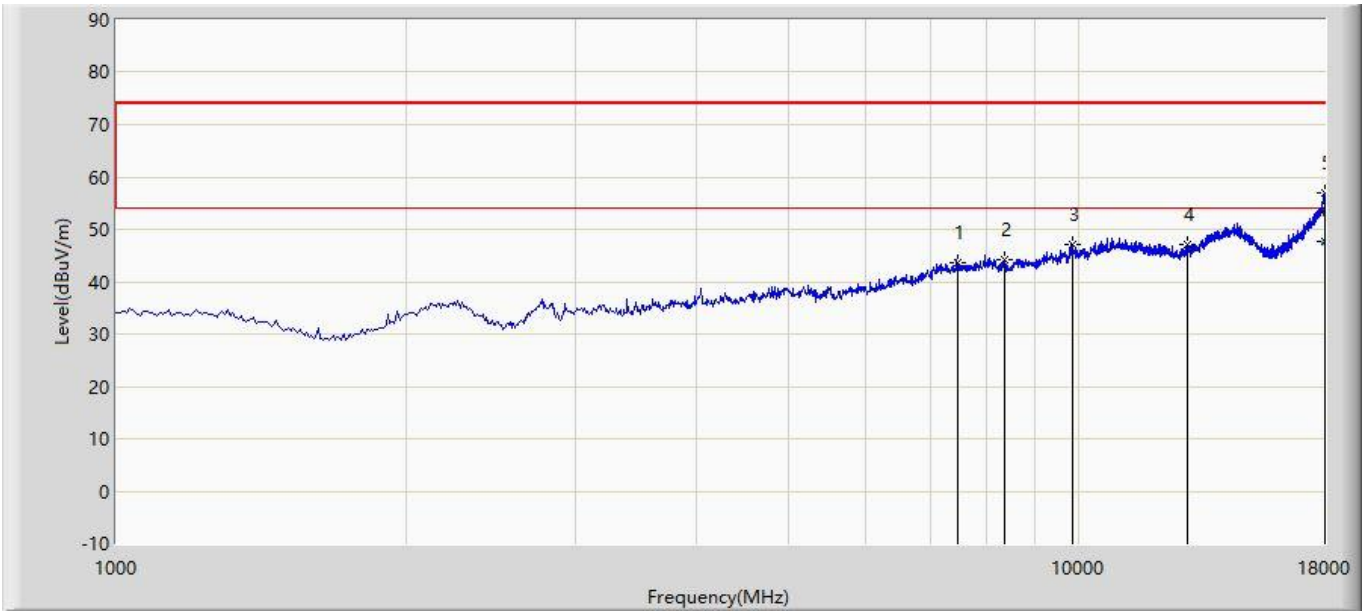
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7477.000	43.672	30.864	-30.328	74.000	12.808	PK
2			8429.000	43.351	30.986	-30.649	74.000	12.365	PK
3		*	9916.500	44.644	29.361	-44.756	89.400	15.283	PK
4		*	12832.000	47.220	28.039	-42.180	89.400	19.181	PK
5			17974.500	56.841	25.110	-17.159	74.000	31.731	PK
6			17974.650	47.400	15.667	-6.600	54.000	31.733	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 10:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT- Directional Antenna(AP-ANT-48)	Power: By POE
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0 + 1 (CDD Mode)	



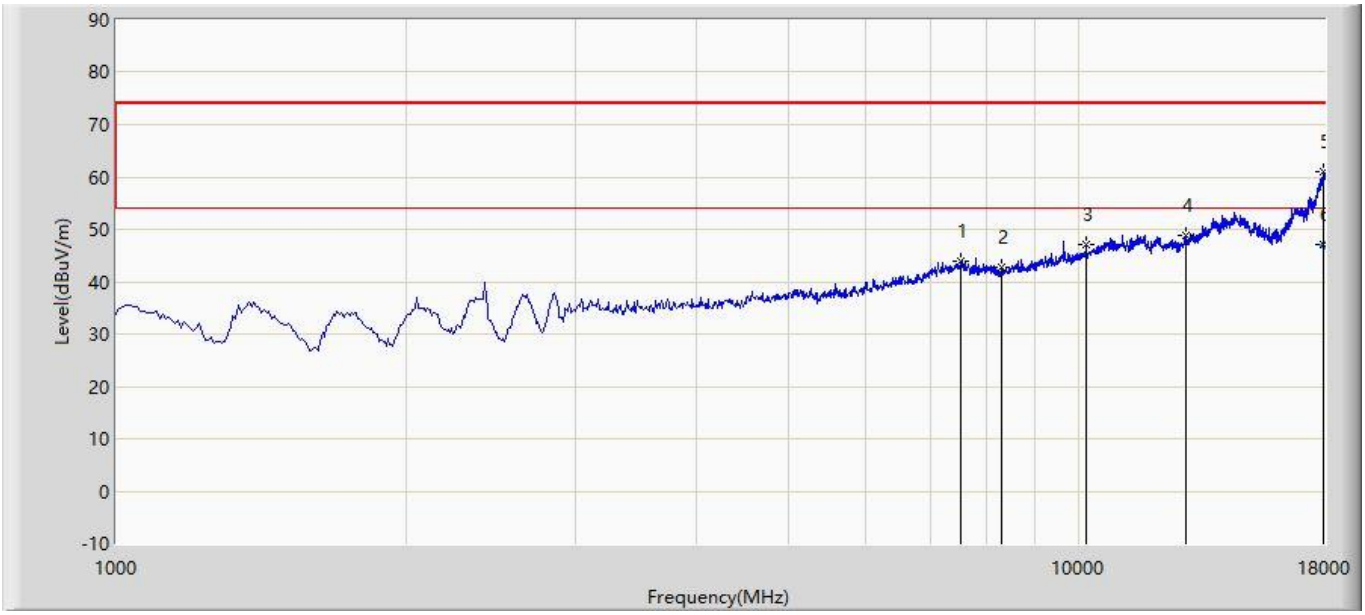
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7477.000	43.672	30.864	-30.328	74.000	12.808	PK
2			8361.000	44.336	32.320	-29.664	74.000	12.015	PK
3		*	9831.500	47.080	31.229	-42.320	89.400	15.851	PK
4		*	12942.500	46.962	27.281	-42.438	89.400	19.681	PK
5			18000.000	57.054	24.967	-16.946	74.000	32.087	PK
6			18000.000	47.759	15.672	-6.241	54.000	32.087	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 11:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT- Directional Antenna(AP-ANT-48)	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0 + 1 (Beam-Forming Mode)	



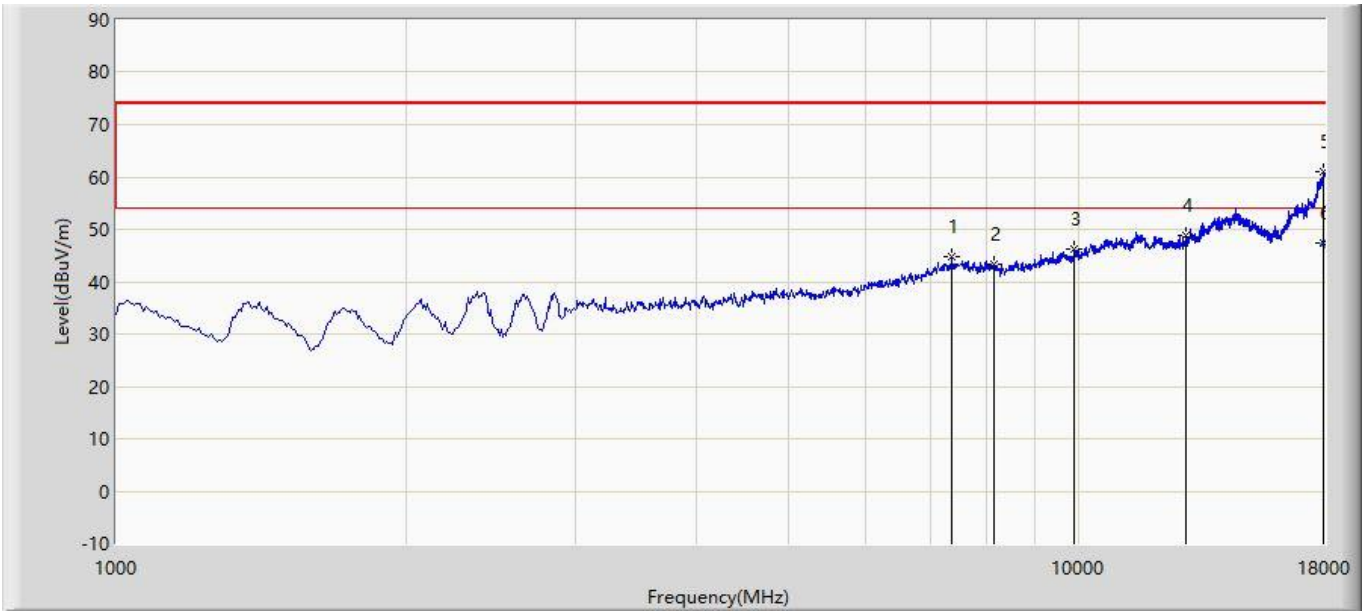
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7545.000	43.877	31.048	-30.123	74.000	12.829	PK
2			8301.500	42.742	30.833	-31.258	74.000	11.910	PK
3		*	10180.000	47.159	31.037	-40.441	87.600	16.122	PK
4		*	12891.500	48.918	29.494	-38.682	87.600	19.424	PK
5			17949.000	60.927	29.551	-13.073	74.000	31.376	PK
6			17949.120	47.024	15.646	-6.976	54.000	31.378	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 11:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT- Directional Antenna(AP-ANT-48)	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0 + 1 (Beam-Forming Mode)	



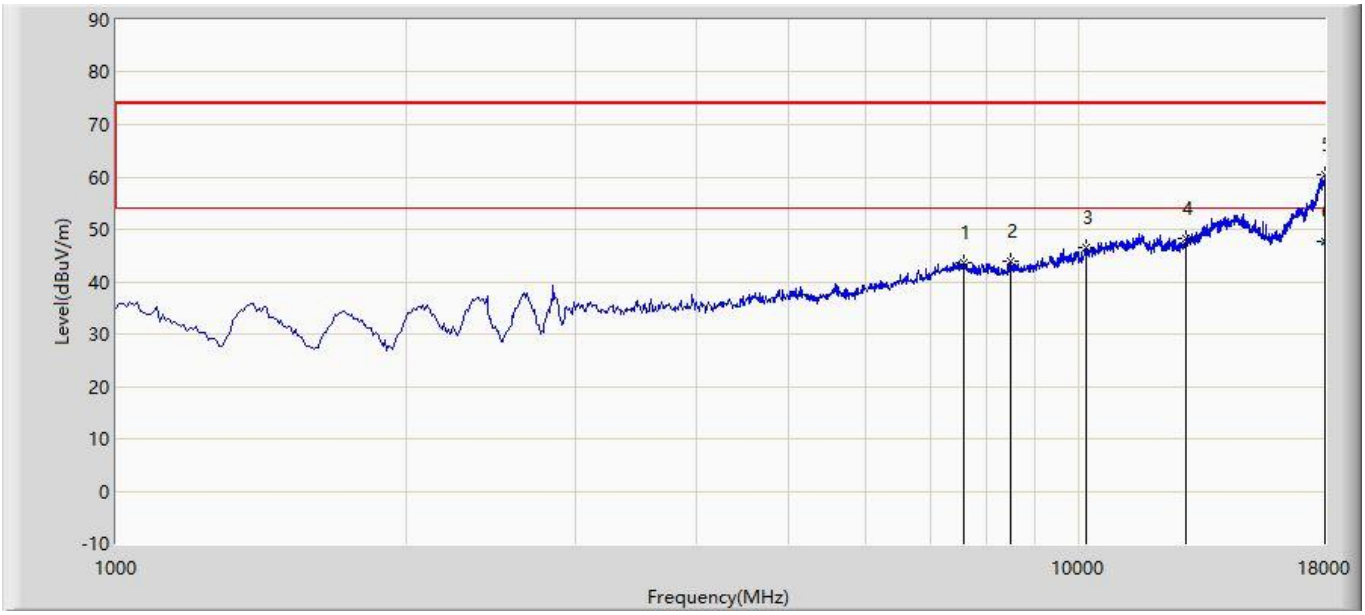
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7383.500	44.895	32.370	-29.105	74.000	12.525	PK
2			8157.000	43.268	31.176	-30.732	74.000	12.092	PK
3		*	9891.000	46.201	30.735	-41.399	87.600	15.466	PK
4		*	12891.500	48.918	29.494	-38.682	87.600	19.424	PK
5			17966.000	60.931	29.316	-13.069	74.000	31.615	PK
6			17966.270	47.290	15.671	-6.710	54.000	31.619	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 11:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT- Directional Antenna(AP-ANT-48)	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz Ant 0 + 1 (Beam-Forming Mode)	



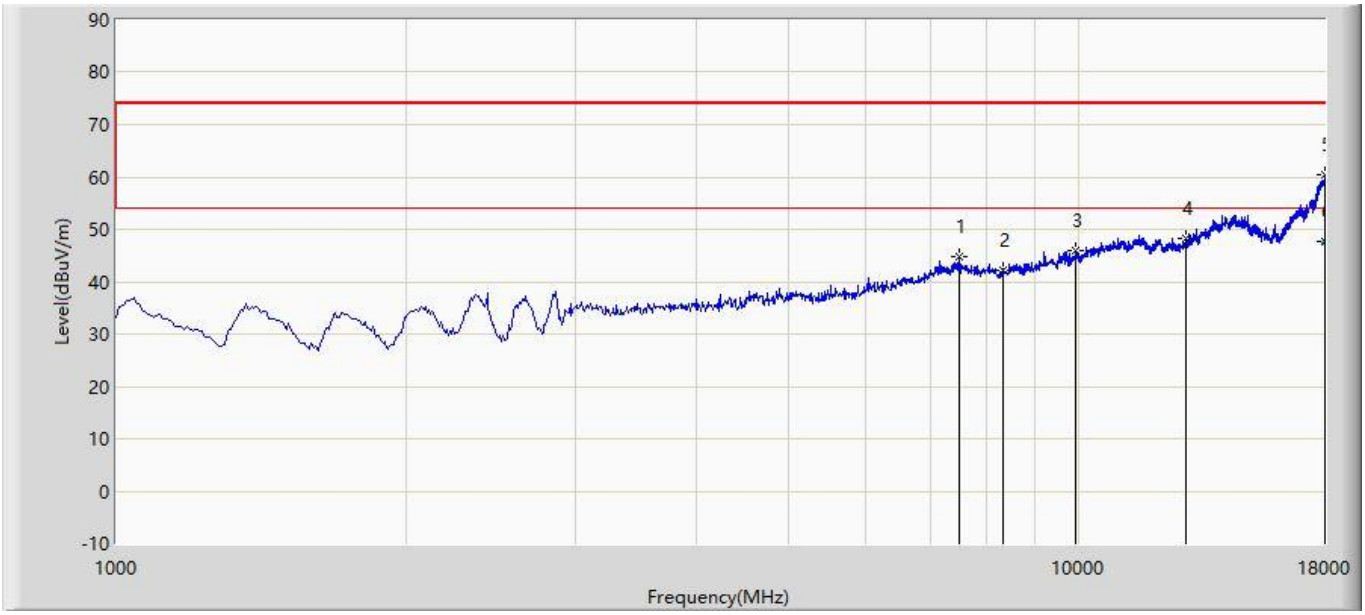
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7579.000	43.603	30.862	-30.397	74.000	12.741	PK
2			8480.000	44.049	31.357	-29.951	74.000	12.692	PK
3		*	10180.000	46.439	30.317	-38.861	85.300	16.122	PK
4		*	12908.500	48.277	28.770	-37.023	85.300	19.507	PK
5			18000.000	60.532	28.445	-13.468	74.000	32.087	PK
6			18000.000	47.773	15.686	-6.227	54.000	32.087	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/09/11 - 11:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT- Directional Antenna(AP-ANT-48)	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz Ant 0 + 1 (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7502.500	44.759	31.914	-29.241	74.000	12.845	PK
2			8327.000	42.139	30.201	-31.861	74.000	11.938	PK
3		*	9916.500	45.840	30.557	-39.460	85.300	15.283	PK
4		*	12908.500	48.277	28.770	-37.023	85.300	19.507	PK
5			18000.000	60.458	28.371	-13.542	74.000	32.087	PK
6			18000.000	47.762	15.675	-6.238	54.000	32.087	AV

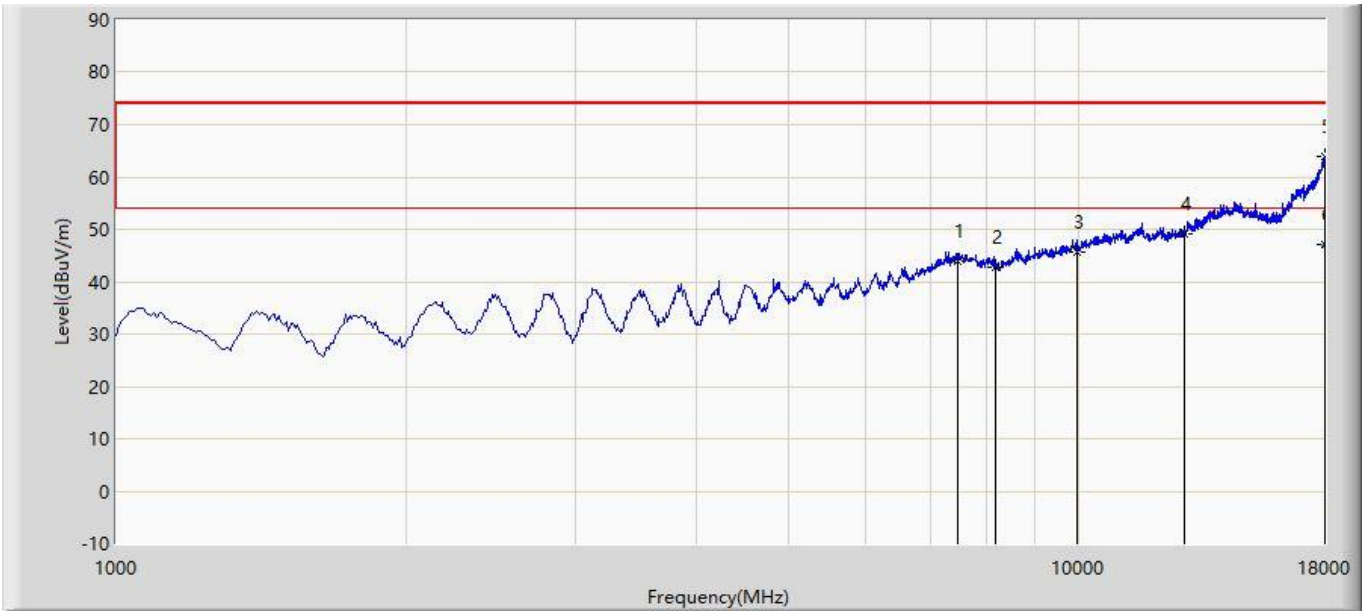
Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The test trace (Frequency range 17GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

5GHz Wi-Fi - Omni Antenna (AP-ANT-19)

Site: AC1	Time: 2017/08/16 - 02:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11a at Channel 5240MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7468.500	43.923	31.132	-30.077	74.000	12.791	PK
2			8199.500	42.680	30.730	-31.320	74.000	11.951	PK
3		*	9942.000	45.678	30.362	-22.522	68.200	15.316	PK
4		*	12840.500	49.212	30.006	-18.988	68.200	19.206	PK
5			17983.000	63.935	32.088	-10.065	74.000	31.847	PK
6			17983.120	47.134	15.285	-6.866	54.000	31.849	AV

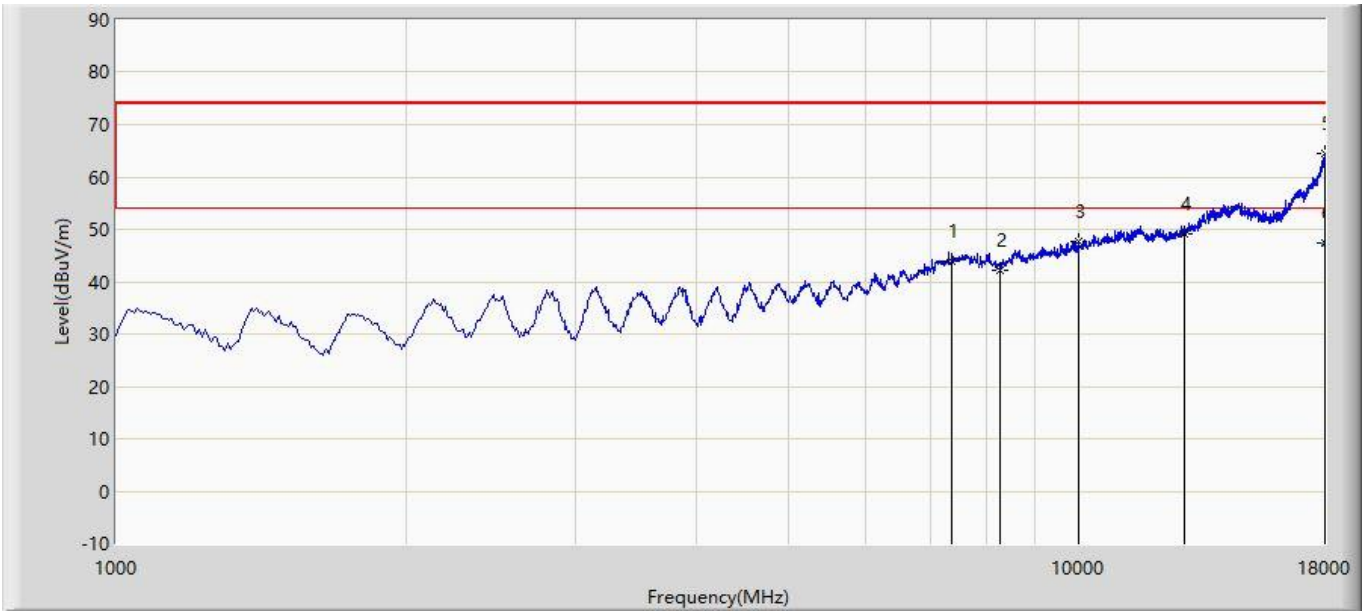
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 02:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11a at Channel 5240MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7366.500	43.780	31.313	-30.220	74.000	12.467	PK
2			8276.000	42.231	30.346	-31.769	74.000	11.885	PK
3		*	9993.000	47.641	32.277	-20.559	68.200	15.364	PK
4		*	12840.500	49.212	30.006	-18.988	68.200	19.206	PK
5			17983.000	64.553	32.706	-9.447	74.000	31.847	PK
6			17983.520	47.536	15.682	-6.464	54.000	31.854	AV

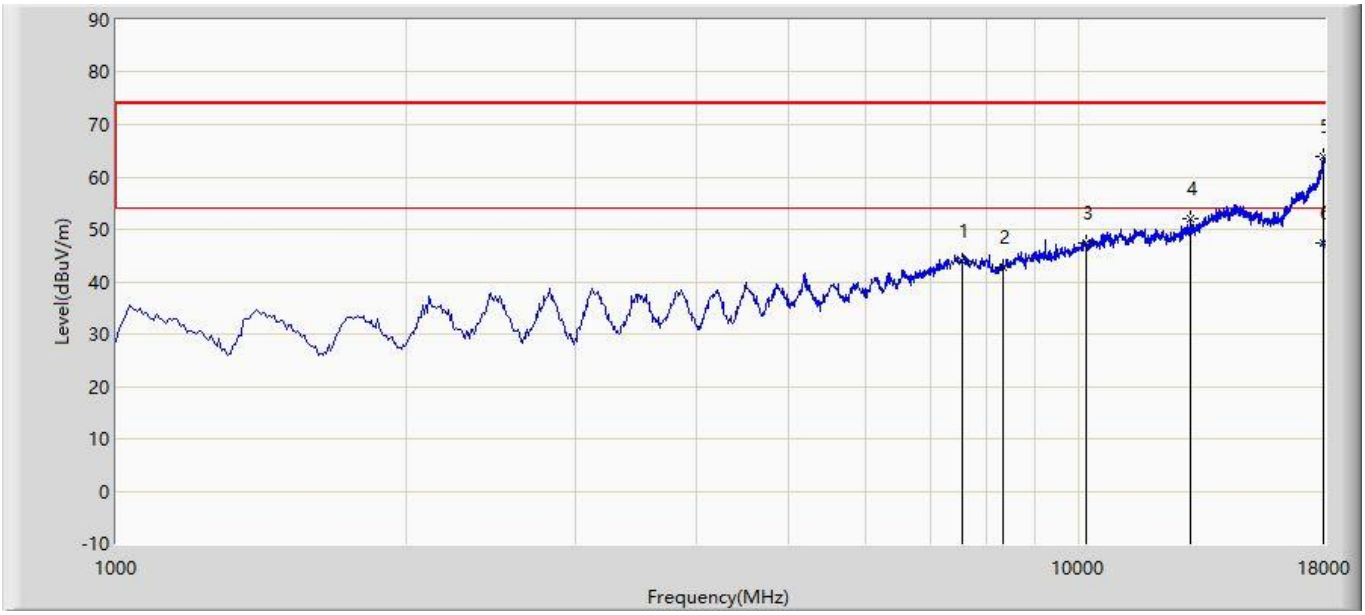
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 15:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7570.500	43.972	31.206	-30.028	74.000	12.766	PK
2			8352.500	42.867	30.884	-31.133	74.000	11.982	PK
3		*	10171.500	47.390	31.308	-20.810	68.200	16.082	PK
4		*	13070.000	52.034	32.003	-16.166	68.200	20.031	PK
5			17966.000	63.811	32.196	-10.189	74.000	31.615	PK
6			17966.250	47.359	15.740	-6.641	54.000	31.619	AV

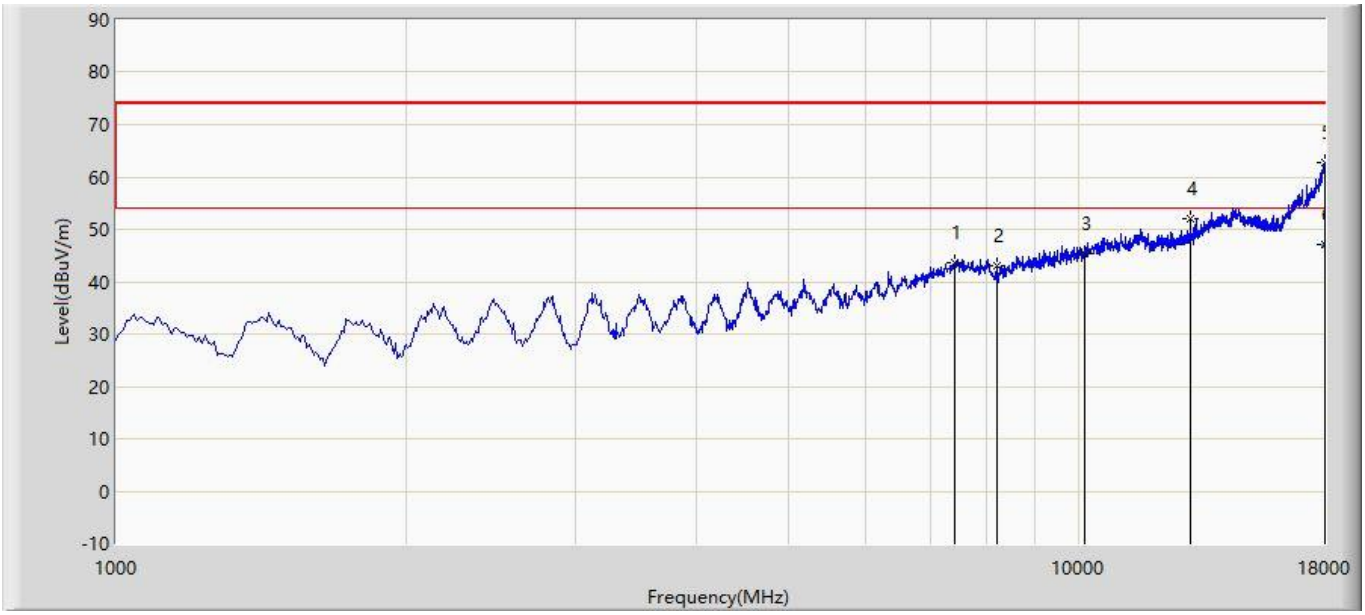
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 15:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7434.500	43.679	30.979	-30.321	74.000	12.700	PK
2			8208.000	43.047	31.118	-30.953	74.000	11.929	PK
3		*	10120.500	45.412	29.582	-22.788	68.200	15.829	PK
4		*	13070.000	52.034	32.003	-16.166	68.200	20.031	PK
5			17991.500	62.633	30.669	-11.367	74.000	31.964	PK
6			17991.660	47.191	15.225	-6.809	54.000	31.966	AV

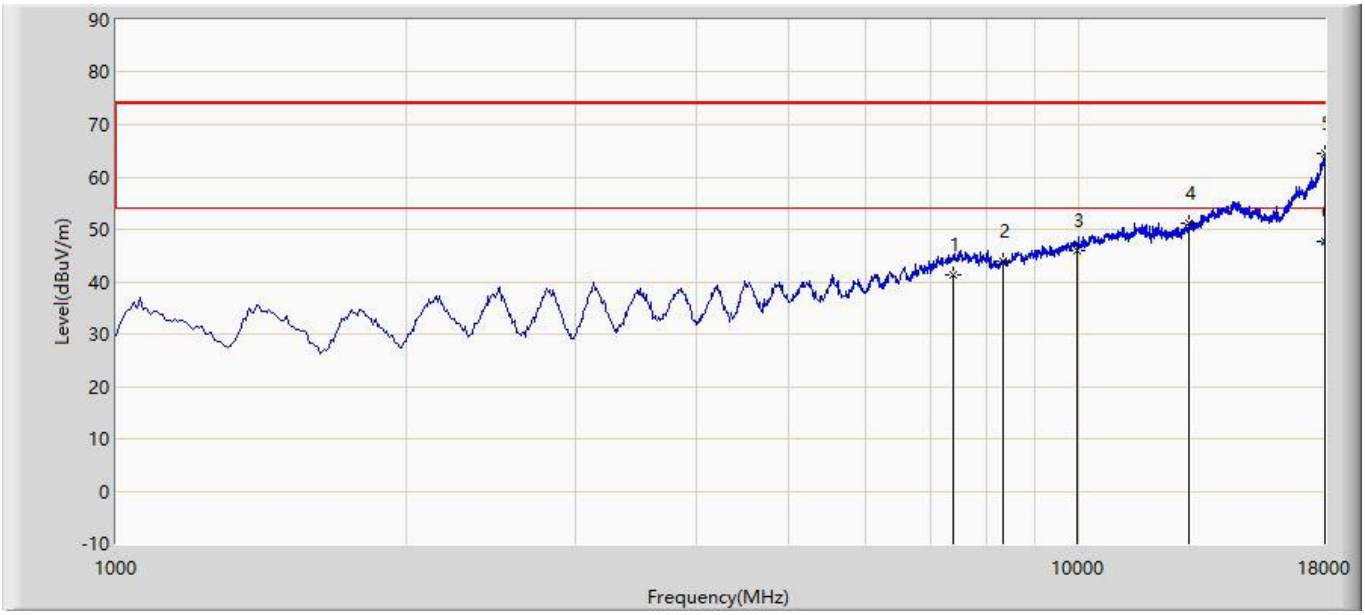
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 15:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11n-HT40 at Channel 5510MHz Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7400.500	41.398	28.814	-32.602	74.000	12.584	PK
2			8352.500	43.938	31.955	-30.062	74.000	11.982	PK
3		*	9967.500	46.055	30.713	-22.145	68.200	15.342	PK
4		*	13002.000	51.124	31.260	-17.076	68.200	19.864	PK
5			17983.000	64.445	32.598	-9.555	74.000	31.847	PK
6			17983.652	47.743	15.887	-6.257	54.000	31.856	AV

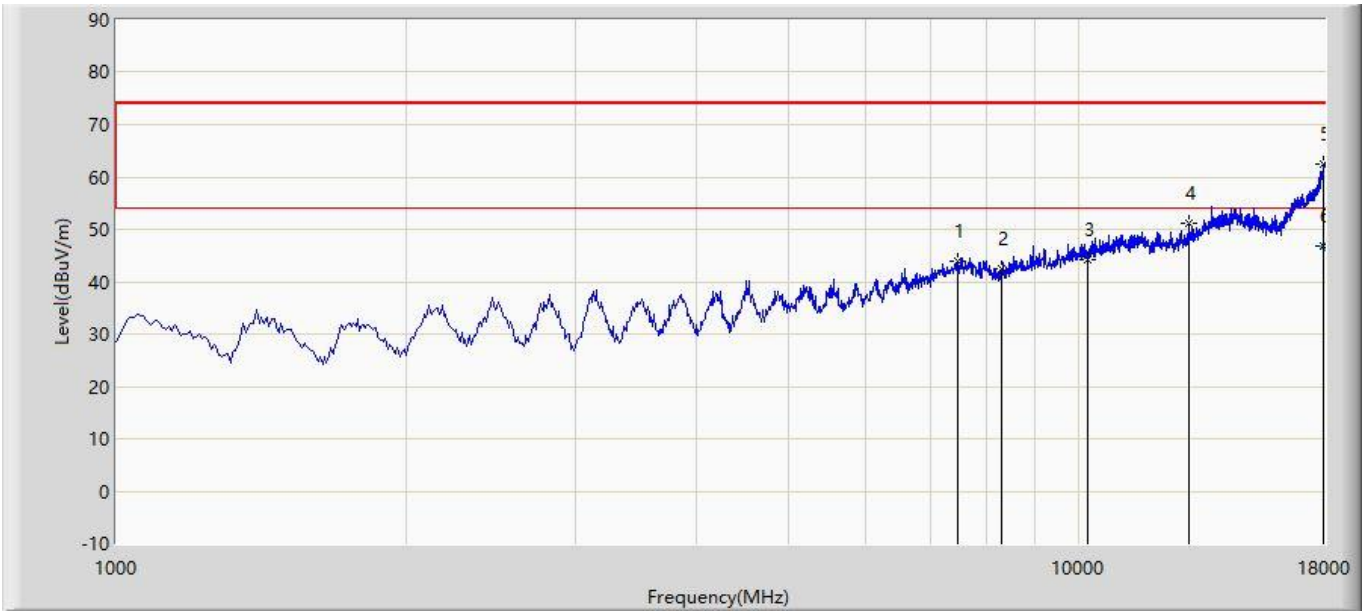
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 15:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11n-HT40 at Channel 5510MHz Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7477.000	43.778	30.970	-30.222	74.000	12.808	PK
2			8310.000	42.428	30.511	-31.572	74.000	11.917	PK
3		*	10222.500	44.309	27.986	-23.891	68.200	16.322	PK
4		*	13002.000	51.124	31.260	-17.076	68.200	19.864	PK
5			17932.000	62.518	31.396	-11.482	74.000	31.122	PK
6			17932.500	46.773	15.643	-7.227	54.000	31.130	AV

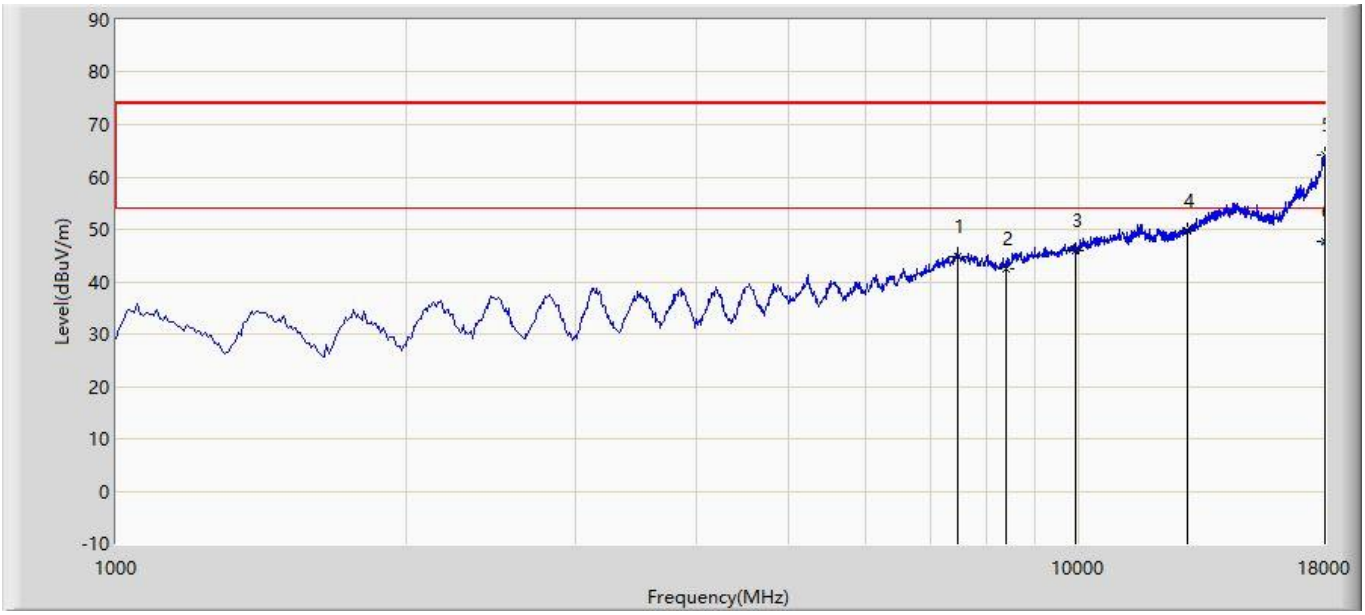
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 03:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11ac-VHT20 at Channel 5220MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7468.500	44.850	32.059	-29.150	74.000	12.791	PK
2			8386.500	42.464	30.333	-31.536	74.000	12.131	PK
3		*	9899.500	45.856	30.490	-22.344	68.200	15.366	PK
4		*	12951.000	49.769	30.047	-18.431	68.200	19.722	PK
5			17991.500	64.169	32.205	-9.831	74.000	31.964	PK
6			17991.665	47.618	15.652	-6.382	54.000	31.967	AV

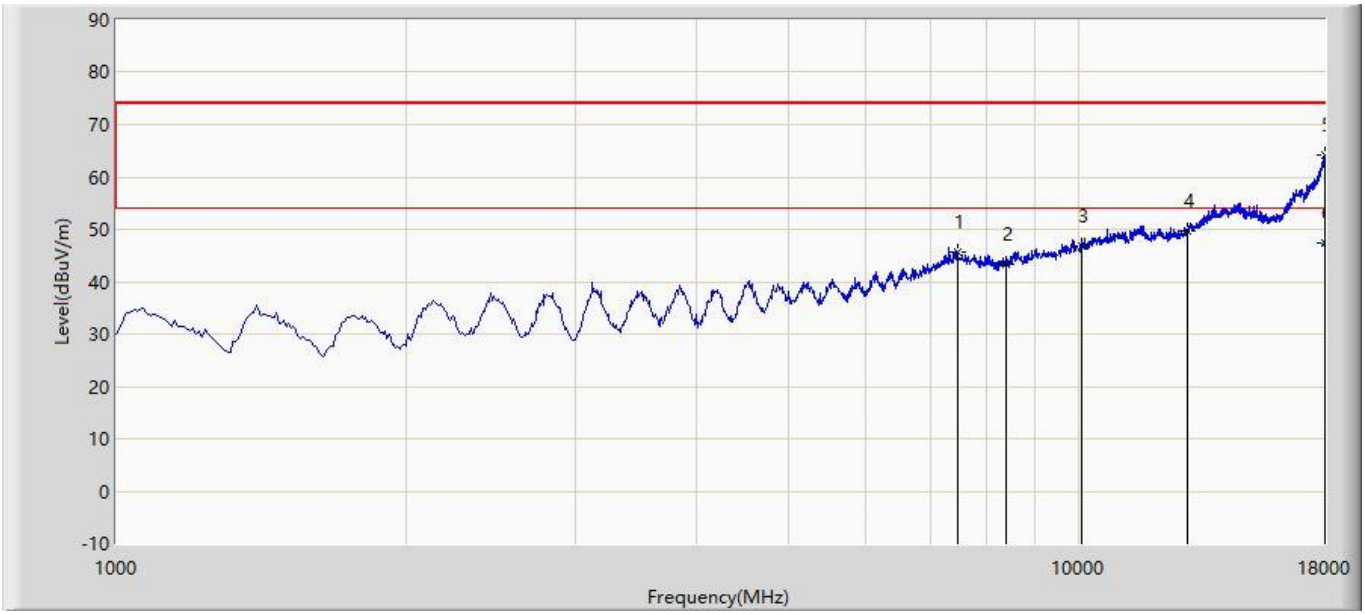
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 03:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11ac-VHT20 at Channel 5220MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7468.500	45.648	32.857	-28.352	74.000	12.791	PK
2			8386.500	43.340	31.209	-30.660	74.000	12.131	PK
3		*	10078.000	46.750	31.120	-21.450	68.200	15.630	PK
4		*	12951.000	49.769	30.047	-18.431	68.200	19.722	PK
5			18000.000	64.237	32.150	-9.763	74.000	32.087	PK
6			18000.000	47.409	15.322	-6.591	54.000	32.087	AV

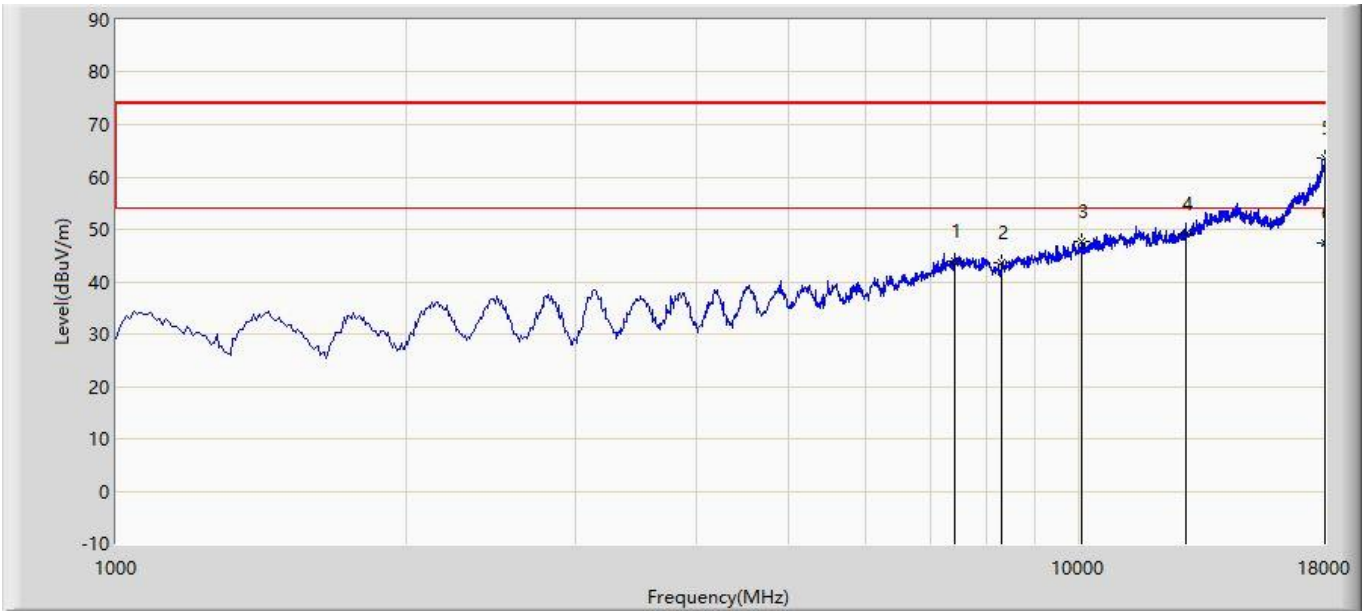
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 15:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11ac-VHT40 at Channel 5230MHz Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7434.500	43.782	31.082	-30.218	74.000	12.700	PK
2			8310.000	43.512	31.595	-30.488	74.000	11.917	PK
3		*	10078.000	47.723	32.093	-20.477	68.200	15.630	PK
4		*	12891.500	49.213	29.789	-18.987	68.200	19.424	PK
5			17991.500	63.586	31.622	-10.414	74.000	31.964	PK
6			17991.520	47.418	15.454	-6.582	54.000	31.964	AV

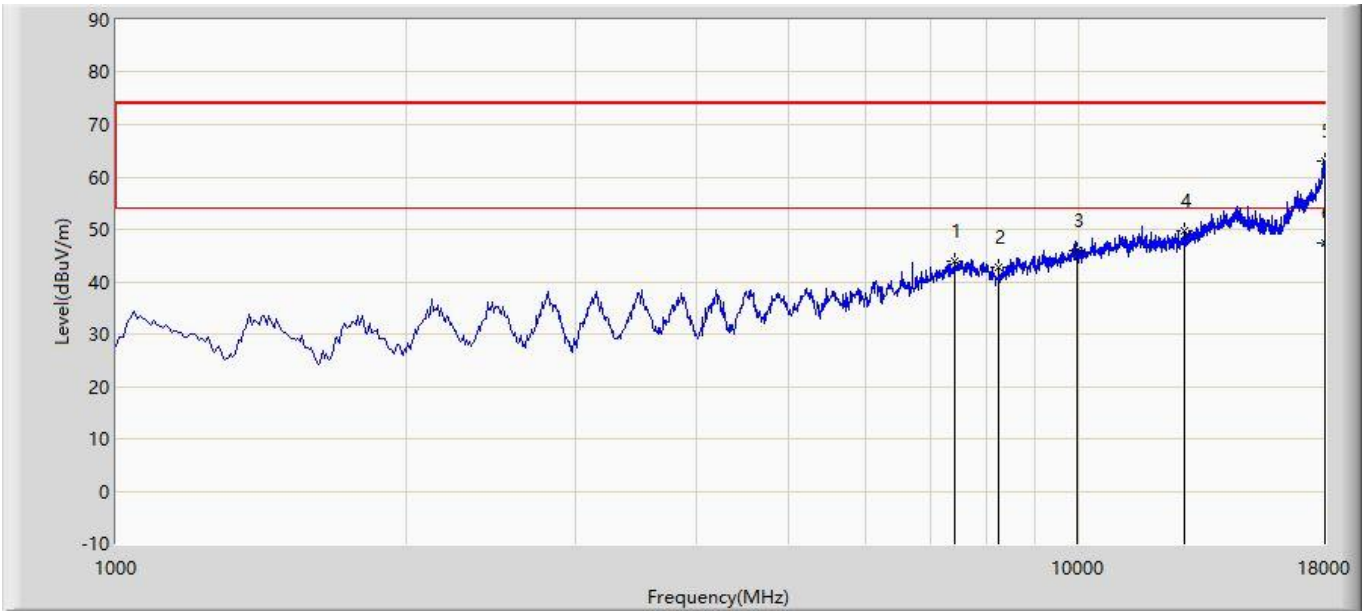
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 15:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11ac-VHT40 at Channel 5230MHz Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7434.500	43.827	31.127	-30.173	74.000	12.700	PK
2			8250.500	42.697	30.825	-31.303	74.000	11.871	PK
3		*	9950.500	45.987	30.662	-22.213	68.200	15.325	PK
4		*	12840.500	49.718	30.512	-18.482	68.200	19.206	PK
5			18000.000	63.138	31.051	-10.862	74.000	32.087	PK
6			18000.000	47.445	15.358	-6.555	54.000	32.087	AV

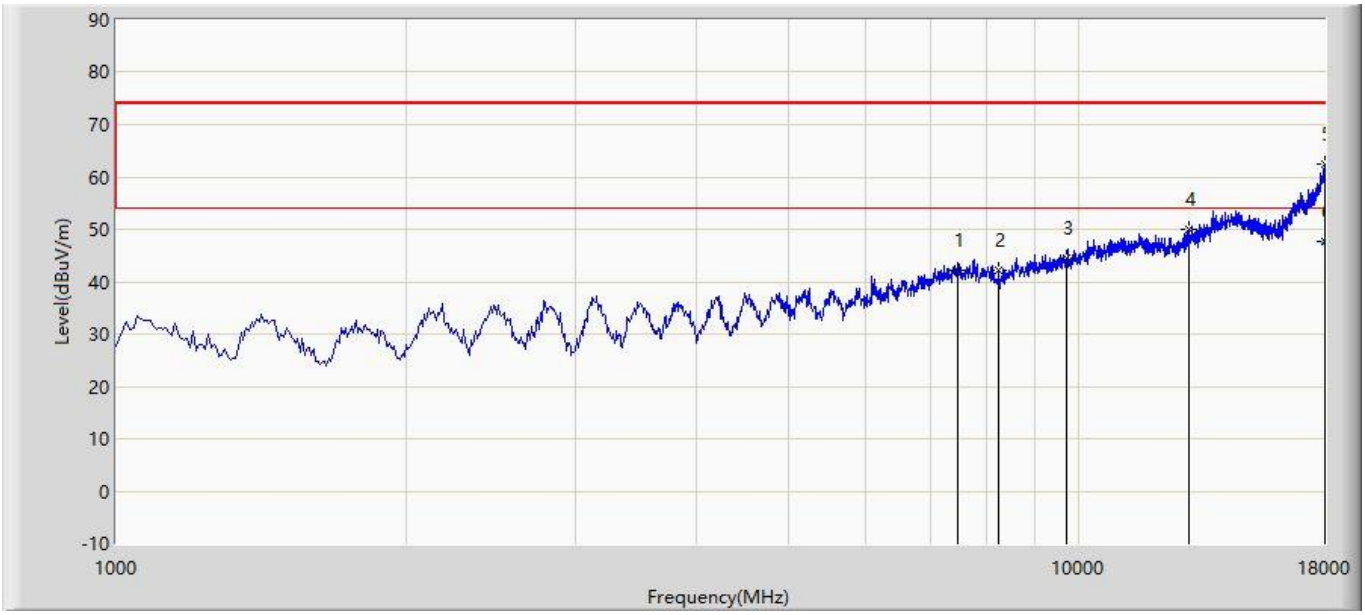
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 16:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11ac-VHT80 at Channel 5690MHz Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7468.500	42.095	29.304	-31.905	74.000	12.791	PK
2			8242.000	42.284	30.409	-31.716	74.000	11.875	PK
3		*	9721.000	44.421	29.716	-23.779	68.200	14.705	PK
4		*	13010.500	50.105	30.216	-18.095	68.200	19.888	PK
5			18000.000	62.565	30.478	-11.435	74.000	32.087	PK
6			18000.000	47.739	15.652	-6.261	54.000	32.087	AV

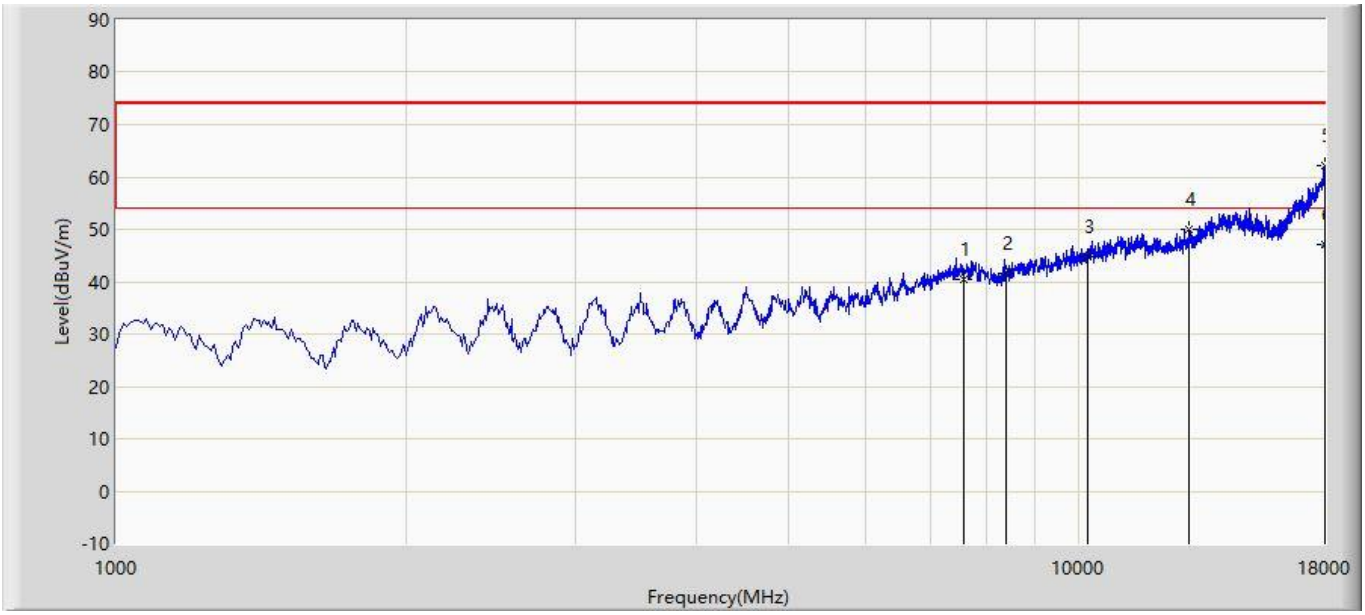
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 16:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11ac-VHT80 at Channel 5690MHz Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7579.000	40.491	27.750	-33.509	74.000	12.741	PK
2			8386.500	41.550	29.419	-32.450	74.000	12.131	PK
3		*	10214.000	44.705	28.424	-23.495	68.200	16.281	PK
4		*	13010.500	50.105	30.216	-18.095	68.200	19.888	PK
5			17974.500	62.223	30.492	-11.777	74.000	31.731	PK
6			17974.650	46.968	15.235	-7.032	54.000	31.733	AV

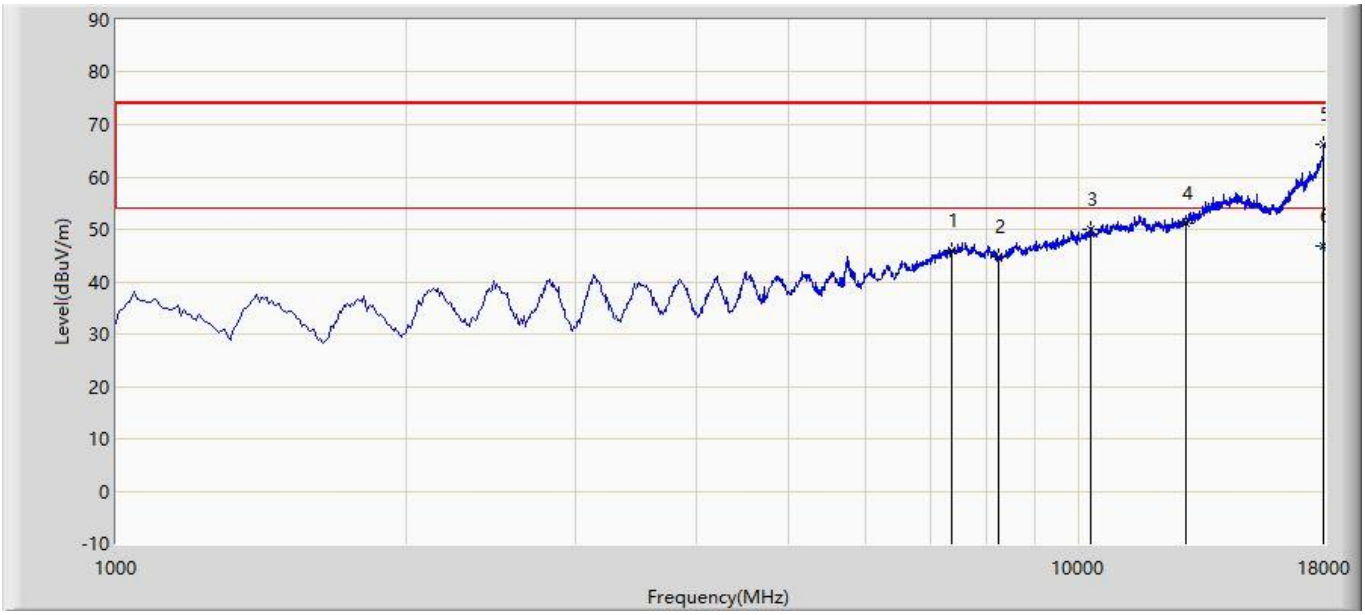
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 04:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11ac-VHT80+80 at Channel 5690MHz Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7366.500	46.021	33.554	-27.979	74.000	12.467	PK
2			8242.000	44.917	33.042	-29.083	74.000	11.875	PK
3		*	10265.000	49.965	33.468	-18.235	68.200	16.497	PK
4		*	12891.500	52.000	32.576	-16.200	68.200	19.424	PK
5			17949.000	66.338	34.962	-7.662	74.000	31.376	PK
6			17949.520	46.716	15.332	-7.284	54.000	31.384	AV

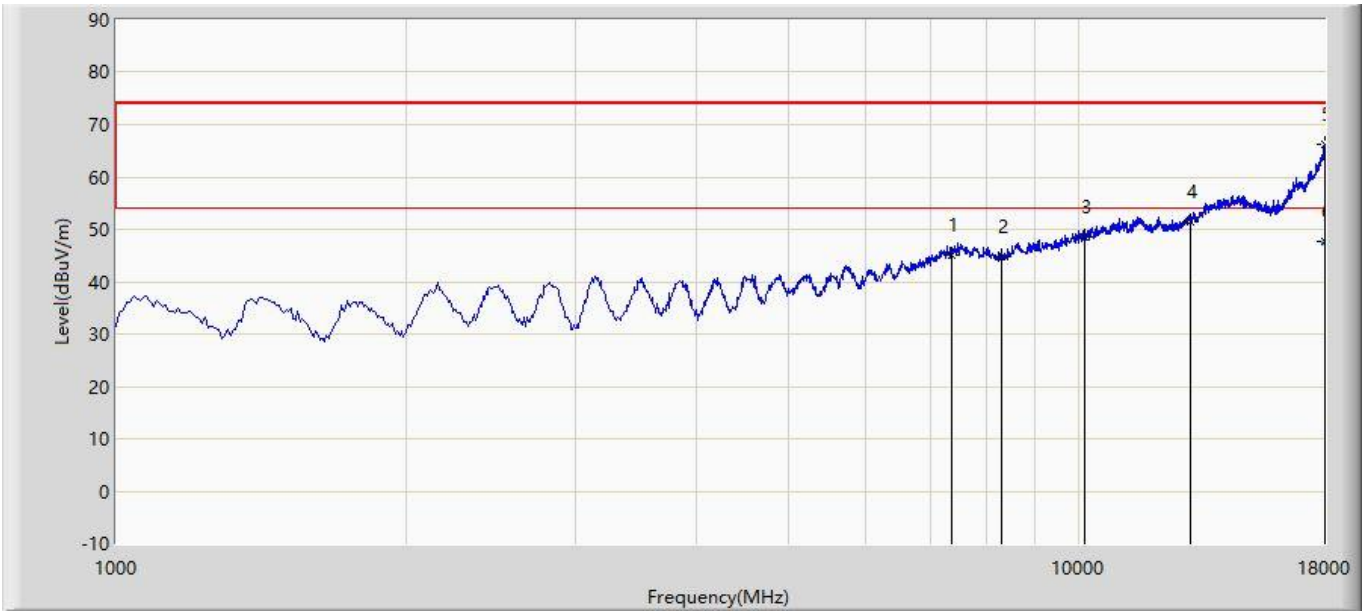
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 04:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Omni Antenna (AP-ANT-19)	Power: By POE
Note: Transmit by 802.11ac-VHT80+80 at Channel 5690MHz Ant 0 + 1 / Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7366.500	46.021	33.554	-27.979	74.000	12.467	PK
2			8310.000	44.902	32.985	-29.098	74.000	11.917	PK
3		*	10120.500	48.599	32.769	-19.601	68.200	15.829	PK
4		*	13070.000	51.545	31.514	-16.655	68.200	20.031	PK
5			18000.000	66.372	34.285	-7.628	74.000	32.087	PK
6			18000.000	47.651	15.564	-6.349	54.000	32.087	AV

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

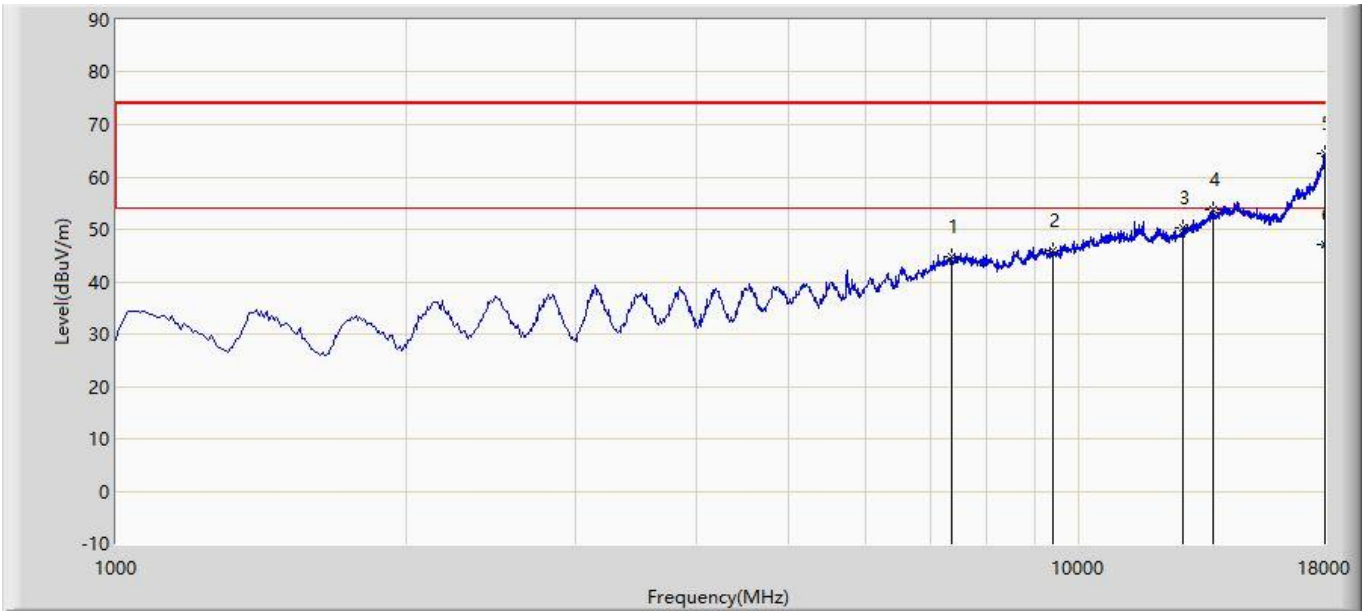
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

5GHz Wi-Fi - Directional Antenna (AP-ANT-48)

Site: AC1	Time: 2017/08/16 - 06:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11a at Channel 5745MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7375.000	44.837	32.341	-29.163	74.000	12.496	PK
2			9398.000	45.966	31.482	-28.034	74.000	14.484	PK
3		*	12832.000	50.432	31.251	-17.768	68.200	19.181	PK
4		*	13801.000	53.740	31.647	-14.460	68.200	22.093	PK
5			17991.500	64.529	32.565	-9.471	74.000	31.964	PK
6			17991.560	47.189	15.225	-6.811	54.000	31.965	AV

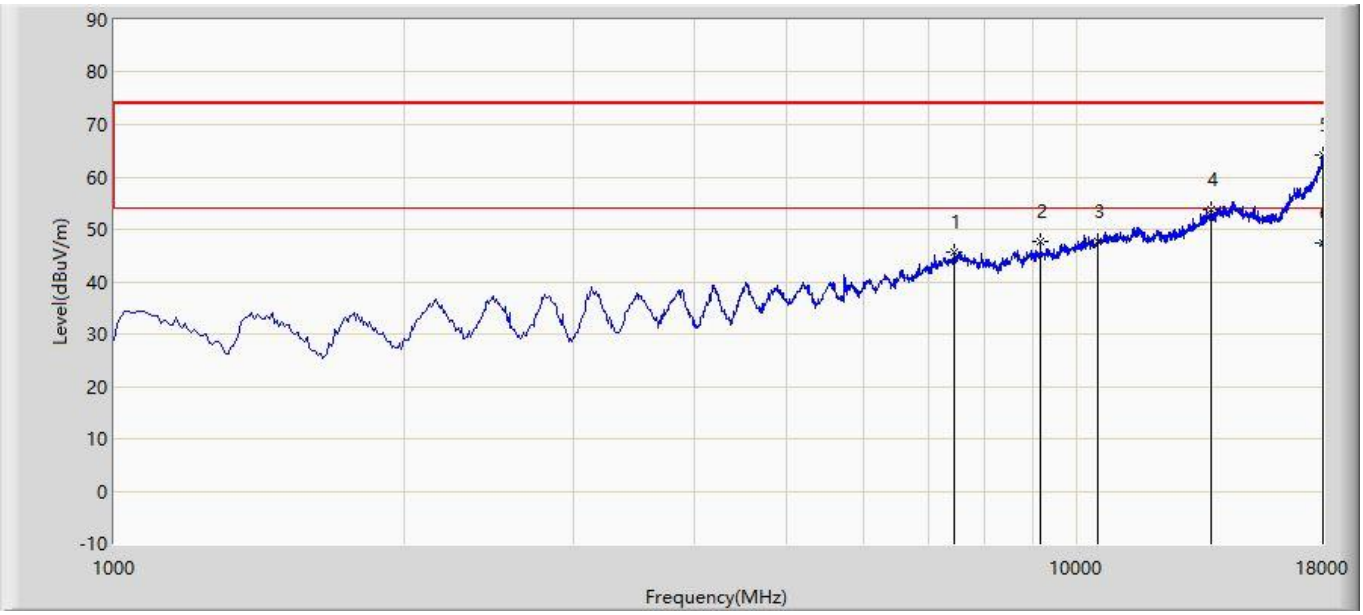
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 06:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11a at Channel 5745MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7451.500	45.682	32.930	-28.318	74.000	12.753	PK
2			9160.000	47.747	33.050	-26.253	74.000	14.697	PK
3		*	10494.500	47.732	30.581	-20.468	68.200	17.151	PK
4		*	13801.000	53.740	31.647	-14.460	68.200	22.093	PK
5			17983.000	64.317	32.470	-9.683	74.000	31.847	PK
6			17983.110	47.519	15.670	-6.481	54.000	31.849	AV

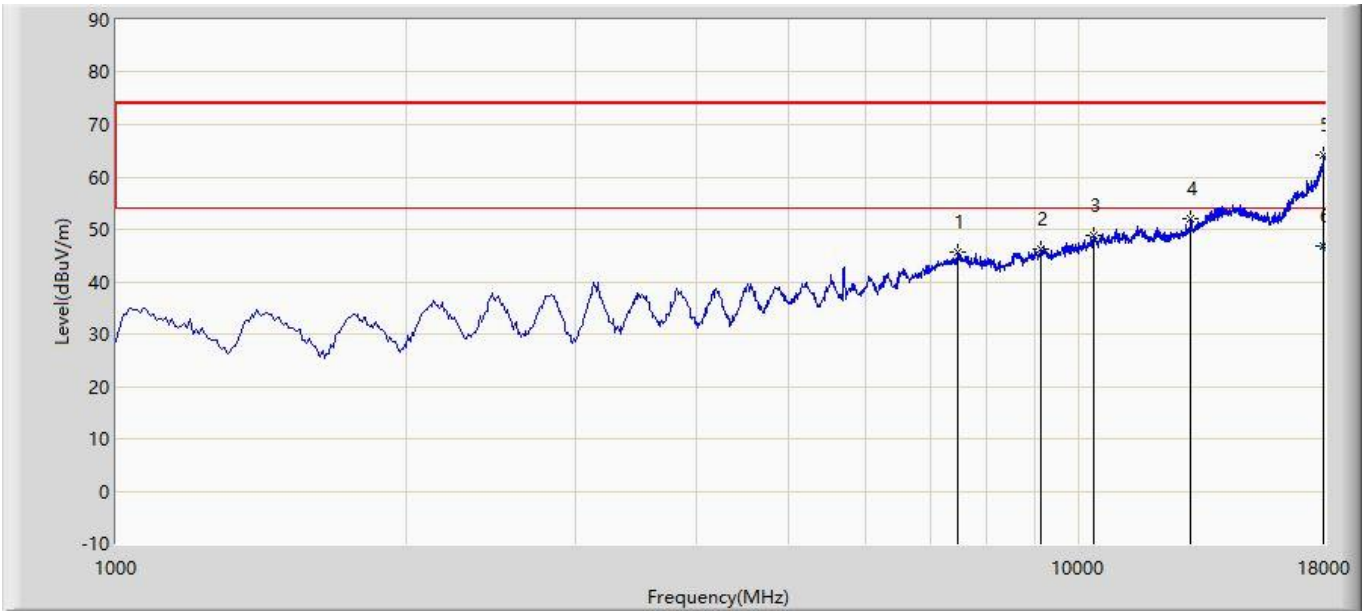
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 06:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11n-HT20 at Channel 5700MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7494.000	45.553	32.711	-28.447	74.000	12.842	PK
2			9117.500	46.220	31.710	-27.780	74.000	14.511	PK
3		*	10358.500	48.701	31.899	-19.499	68.200	16.802	PK
4		*	13061.500	52.043	32.026	-16.157	68.200	20.016	PK
5			17949.000	64.320	32.944	-9.680	74.000	31.376	PK
6			17949.122	46.930	15.552	-7.070	54.000	31.378	AV

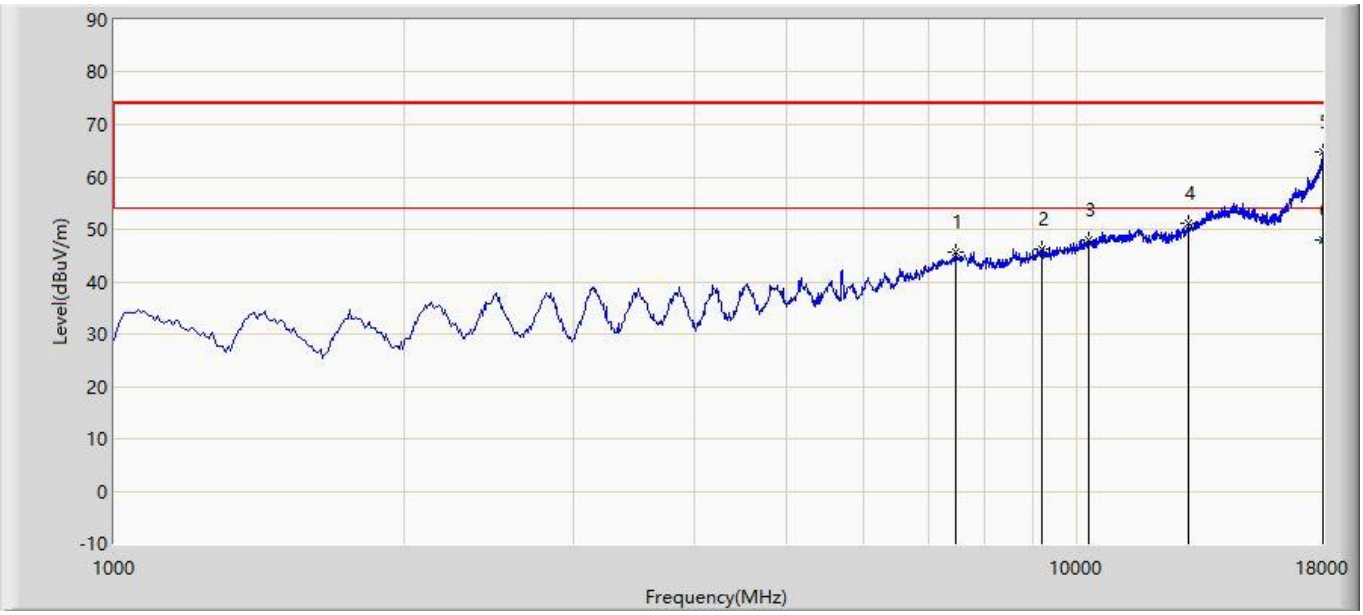
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 06:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11n-HT20 at Channel 5700MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7494.000	45.553	32.711	-28.447	74.000	12.842	PK
2			9185.500	46.370	31.636	-27.630	74.000	14.734	PK
3		*	10265.000	47.846	31.349	-20.354	68.200	16.497	PK
4		*	13036.000	51.105	31.147	-17.095	68.200	19.958	PK
5			17991.500	64.832	32.868	-9.168	74.000	31.964	PK
6			17991.650	47.845	15.879	-6.155	54.000	31.966	AV

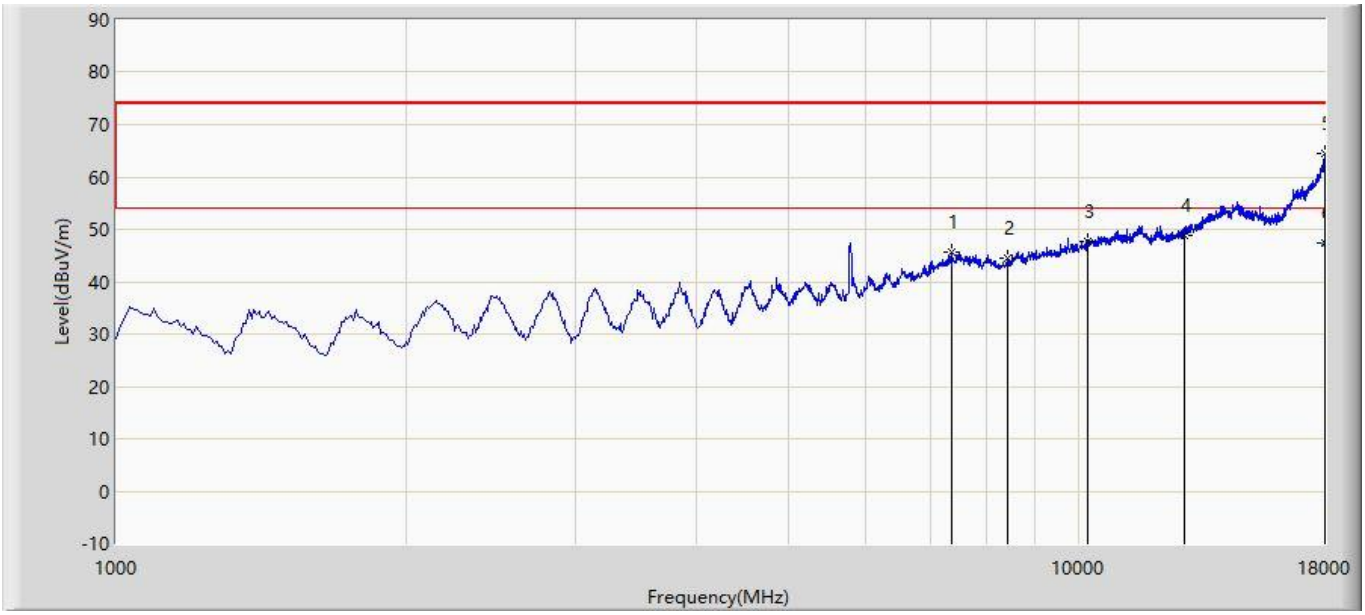
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 06:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7366.500	45.663	33.196	-28.337	74.000	12.467	PK
2			8437.500	44.536	32.119	-29.464	74.000	12.417	PK
3		*	10197.000	47.822	31.623	-20.378	68.200	16.199	PK
4		*	12840.500	48.801	29.595	-19.399	68.200	19.206	PK
5			18000.000	64.352	32.265	-9.648	74.000	32.087	PK
6			18000.000	47.419	15.332	-6.581	54.000	32.087	AV

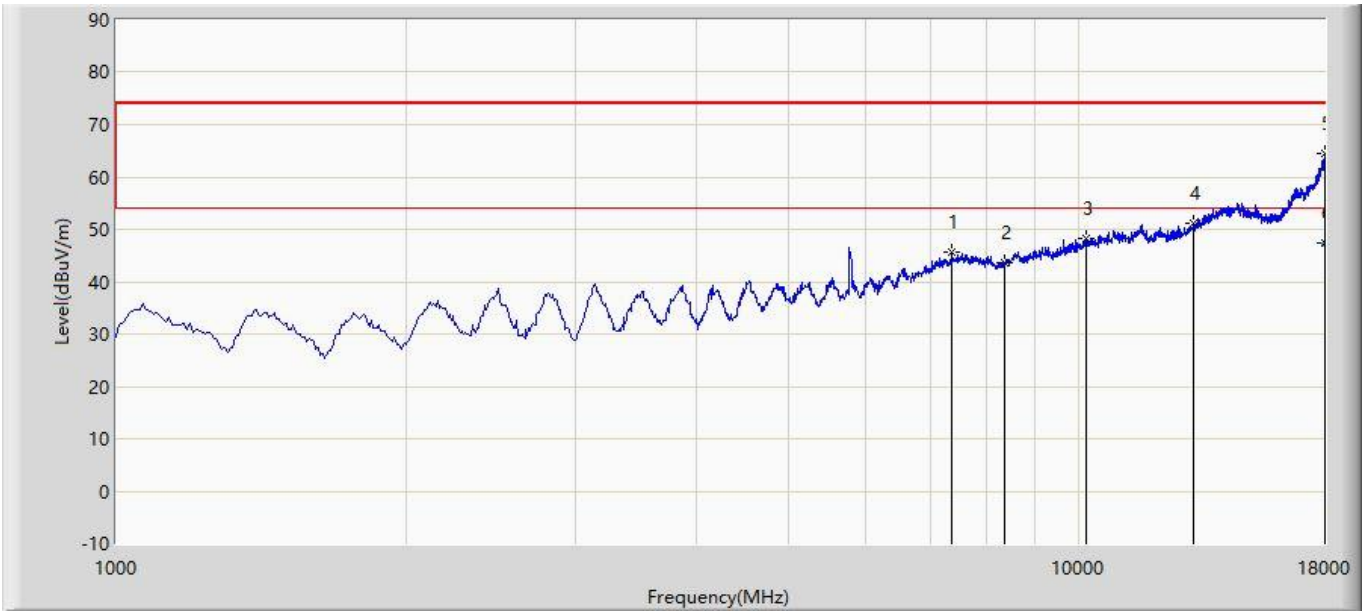
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 06:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7366.500	45.663	33.196	-28.337	74.000	12.467	PK
2			8361.000	43.519	31.503	-30.481	74.000	12.015	PK
3		*	10154.500	48.393	32.391	-19.807	68.200	16.002	PK
4		*	13163.500	51.275	31.108	-16.925	68.200	20.167	PK
5			17983.000	64.549	32.702	-9.451	74.000	31.847	PK
6			17983.525	47.375	15.521	-6.625	54.000	31.854	AV

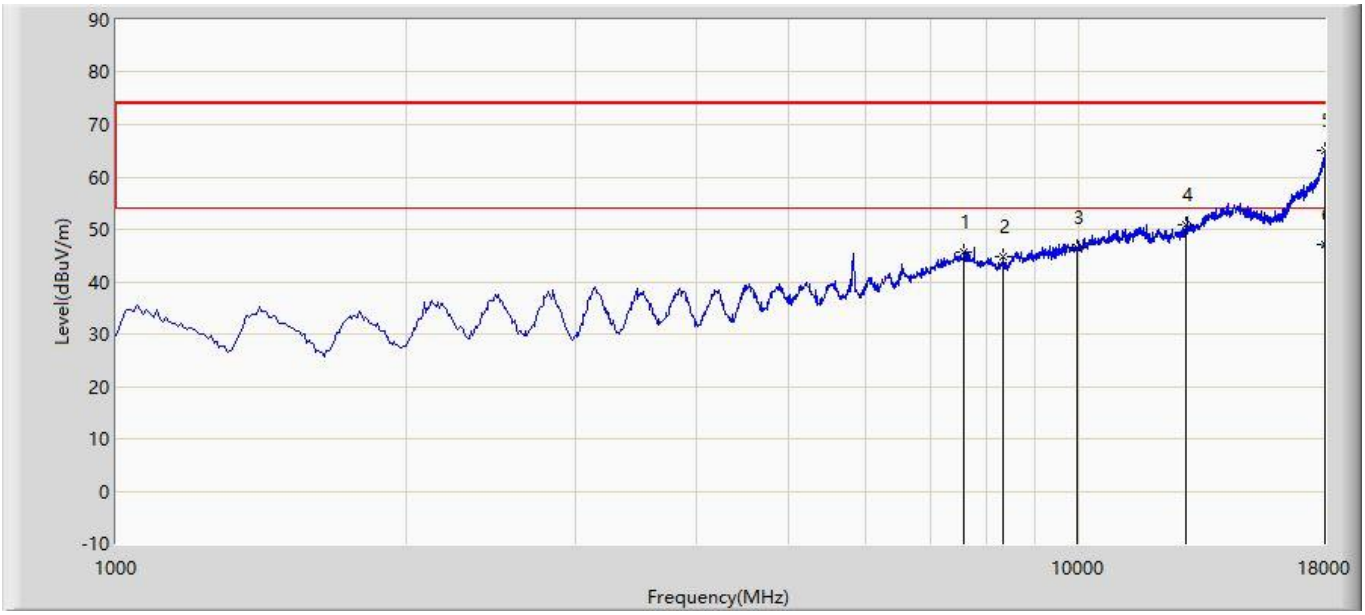
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 07:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7596.000	45.612	32.922	-28.388	74.000	12.690	PK
2			8352.500	44.721	32.738	-29.279	74.000	11.982	PK
3		*	9950.500	46.603	31.278	-21.597	68.200	15.325	PK
4		*	12891.500	50.807	31.383	-17.393	68.200	19.424	PK
5			17983.000	65.072	33.225	-8.928	74.000	31.847	PK
6			17983.250	47.075	15.224	-6.925	54.000	31.851	AV

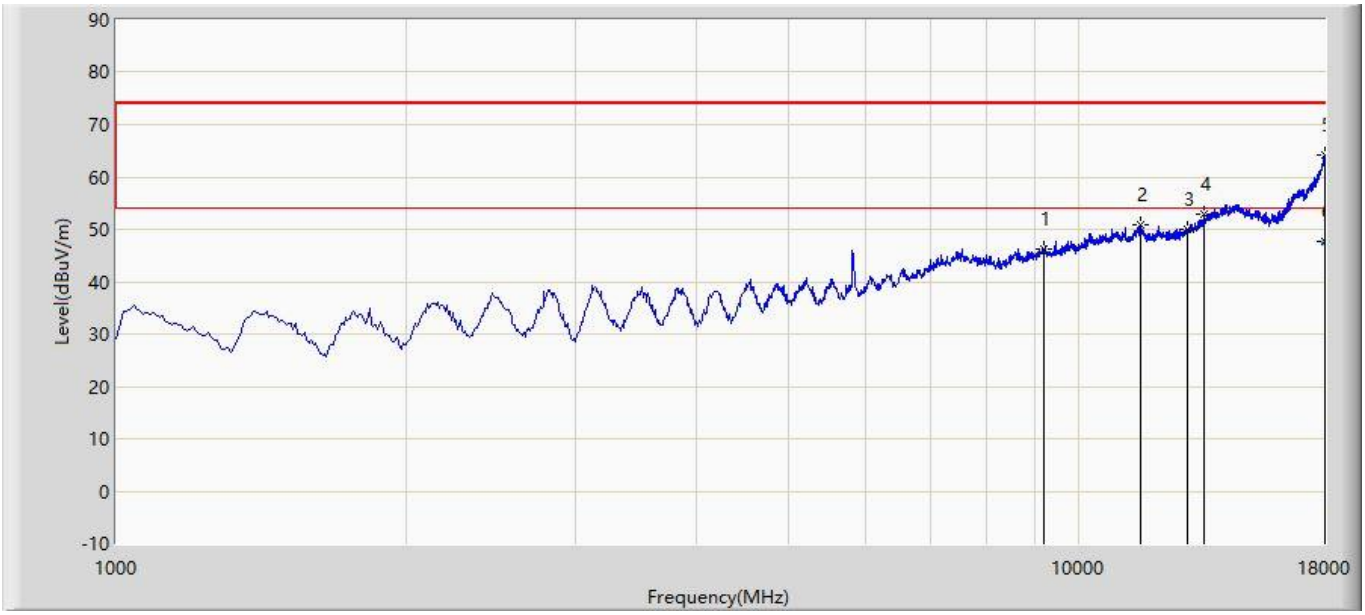
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 07:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			9177.000	46.171	31.450	-27.829	74.000	14.722	PK
2			11591.000	50.875	31.422	-23.125	74.000	19.453	PK
3		*	12951.000	50.001	30.279	-18.199	68.200	19.722	PK
4		*	13486.500	52.983	31.260	-15.217	68.200	21.722	PK
5			18000.000	64.333	32.246	-9.667	74.000	32.087	PK
6			18000.000	47.769	15.682	-6.231	54.000	32.087	AV

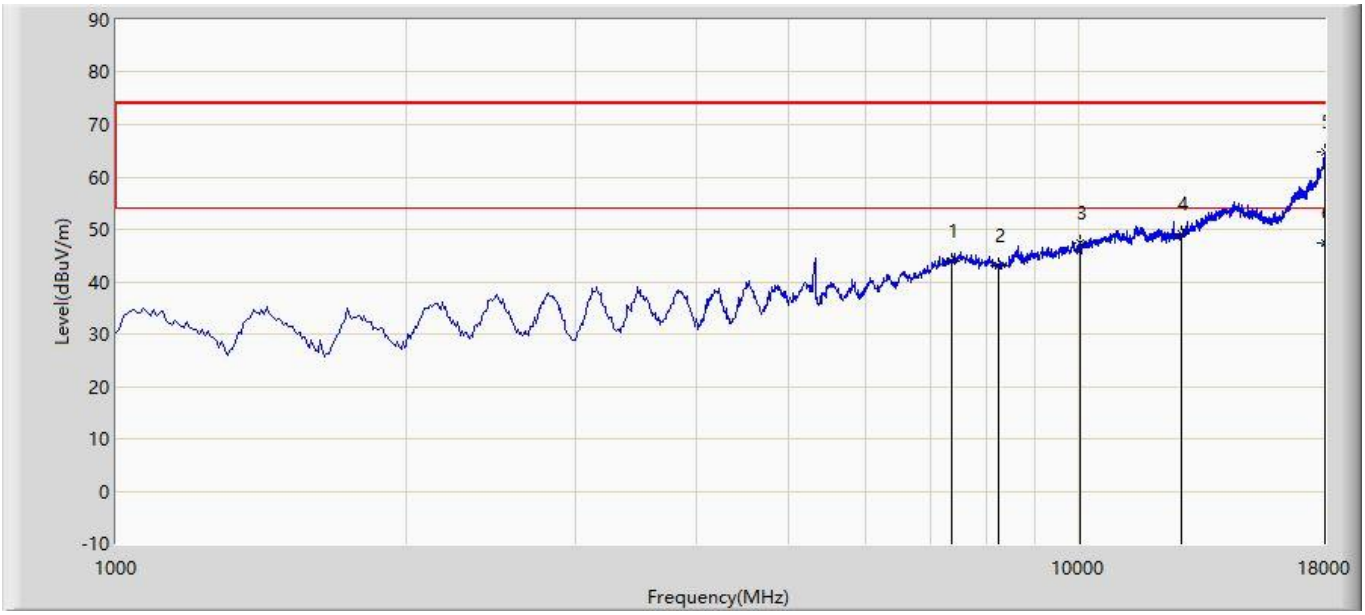
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 07:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7366.500	43.855	31.388	-30.145	74.000	12.467	PK
2			8242.000	42.938	31.063	-31.062	74.000	11.875	PK
3		*	10035.500	47.259	31.789	-20.941	68.200	15.471	PK
4		*	12781.000	49.148	30.130	-19.052	68.200	19.019	PK
5			18000.000	64.836	32.749	-9.164	74.000	32.087	PK
6			18000.000	47.422	15.335	-6.578	54.000	32.087	AV

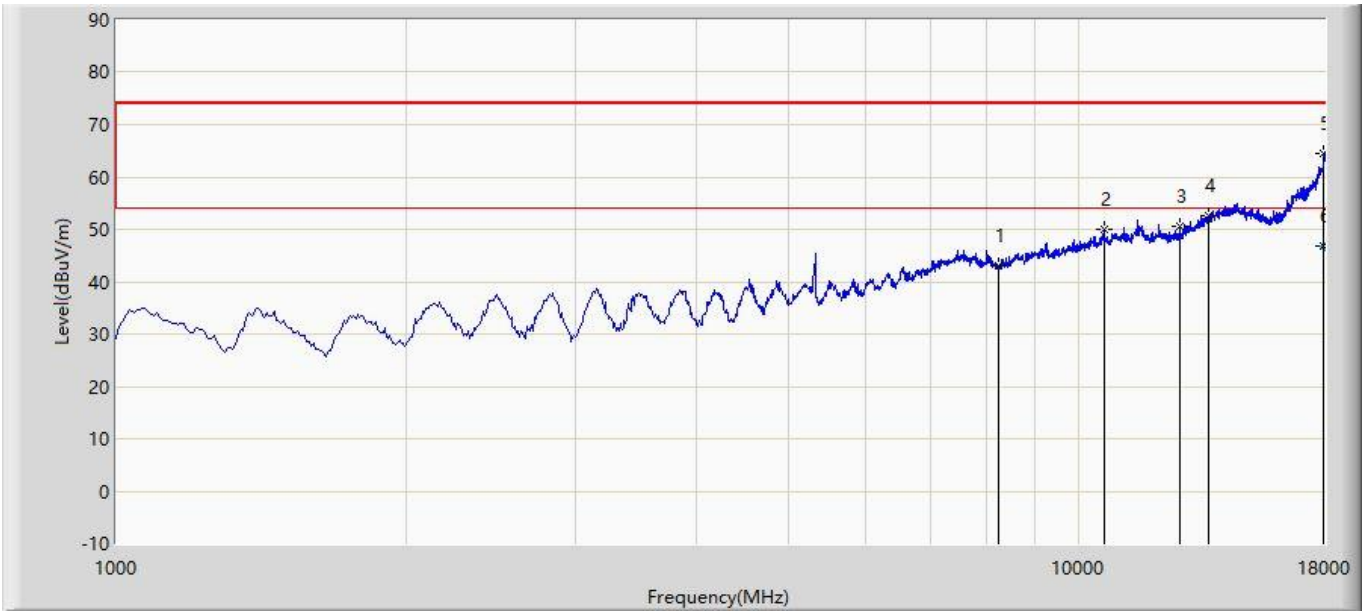
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 07:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8242.000	42.941	31.066	-31.059	74.000	11.875	PK
2			10613.500	49.900	32.606	-24.100	74.000	17.295	PK
3		*	12721.500	50.637	31.819	-17.563	68.200	18.818	PK
4		*	13622.500	52.527	30.727	-15.673	68.200	21.800	PK
5			17940.500	64.421	33.169	-9.579	74.000	31.251	PK
6			17940.520	46.926	15.674	-7.074	54.000	31.251	AV

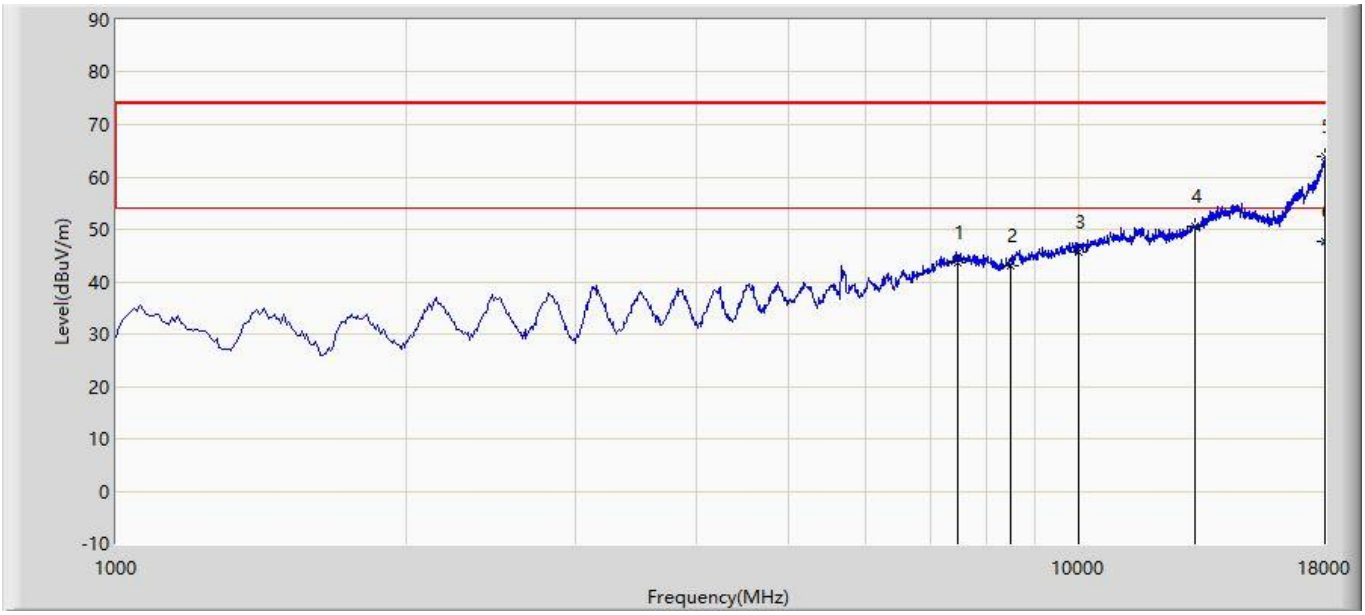
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 08:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11ac-VHT80 at Channel 5690MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7477.000	43.620	30.812	-30.380	74.000	12.808	PK
2			8480.000	43.102	30.410	-30.898	74.000	12.692	PK
3		*	9993.000	45.653	30.289	-22.547	68.200	15.364	PK
4		*	13189.000	50.636	30.379	-17.564	68.200	20.257	PK
5			18000.000	63.852	31.765	-10.148	74.000	32.087	PK
6			18000.000	47.761	15.674	-6.239	54.000	32.087	AV

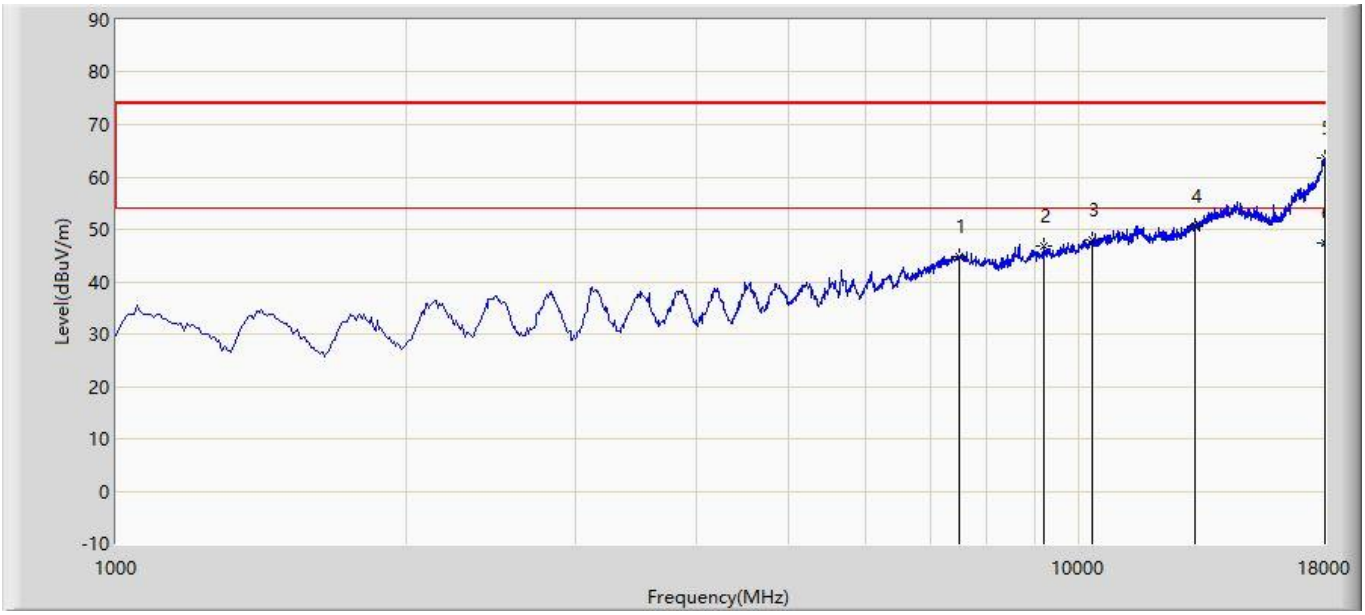
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 08:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11ac-VHT80 at Channel 5690MHz Ant 0 + 1 + 2 + 3 (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7502.500	44.886	32.041	-29.114	74.000	12.845	PK
2			9185.500	46.687	31.953	-27.313	74.000	14.734	PK
3		*	10307.500	48.033	31.409	-20.167	68.200	16.624	PK
4		*	13189.000	50.636	30.379	-17.564	68.200	20.257	PK
5			17974.500	63.722	31.991	-10.278	74.000	31.731	PK
6			17974.620	47.374	15.641	-6.626	54.000	31.733	AV

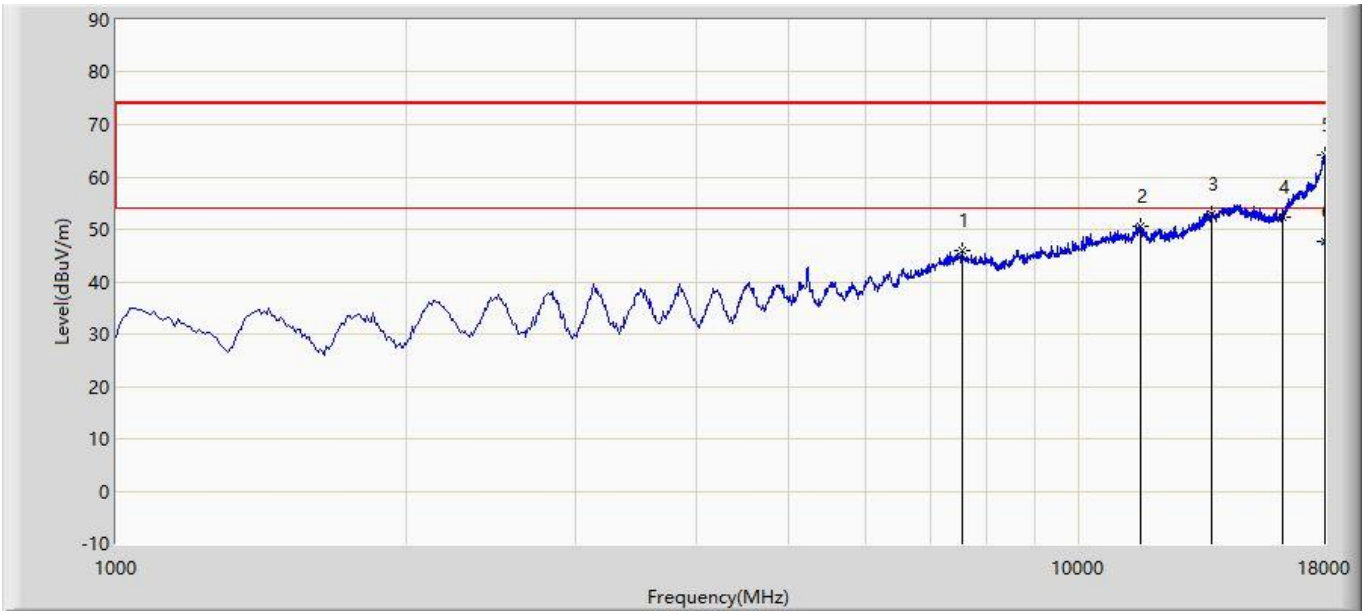
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 18:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz Ant 2 + 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7562.000	45.856	33.066	-28.144	74.000	12.791	PK
2			11574.000	50.613	31.157	-23.387	74.000	19.456	PK
3		*	13733.000	52.924	30.922	-15.276	68.200	22.002	PK
4		*	16283.000	52.427	31.420	-15.773	68.200	21.006	PK
5			17991.500	64.274	32.310	-9.726	74.000	31.964	PK
6			17991.650	47.653	15.687	-6.347	54.000	31.966	AV

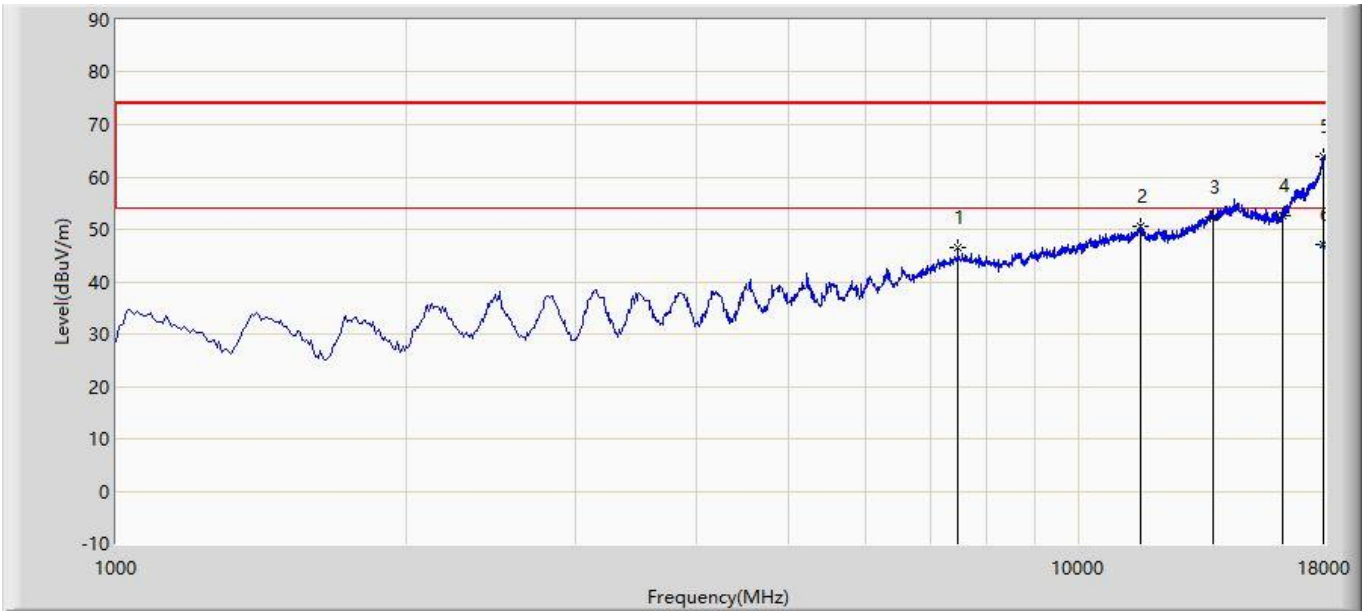
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.

Site: AC1	Time: 2017/08/16 - 18:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT - Directional Antenna (AP-ANT-48)	Power: By POE
Note: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz Ant 2 + 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7494.000	46.563	33.721	-27.437	74.000	12.842	PK
2			11565.500	50.612	31.156	-23.388	74.000	19.456	PK
3		*	13801.000	52.214	30.121	-15.986	68.200	22.093	PK
4		*	16274.500	52.511	31.546	-15.689	68.200	20.965	PK
5			17957.500	63.958	32.458	-10.042	74.000	31.499	PK
6			17957.620	47.246	15.745	-6.754	54.000	31.501	AV

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 3: The test trace (Frequency range 13GHz ~ 18GHz above average limit) is same as the ambient noise, we selected the highest peak level frequency and performed average emission testing again.