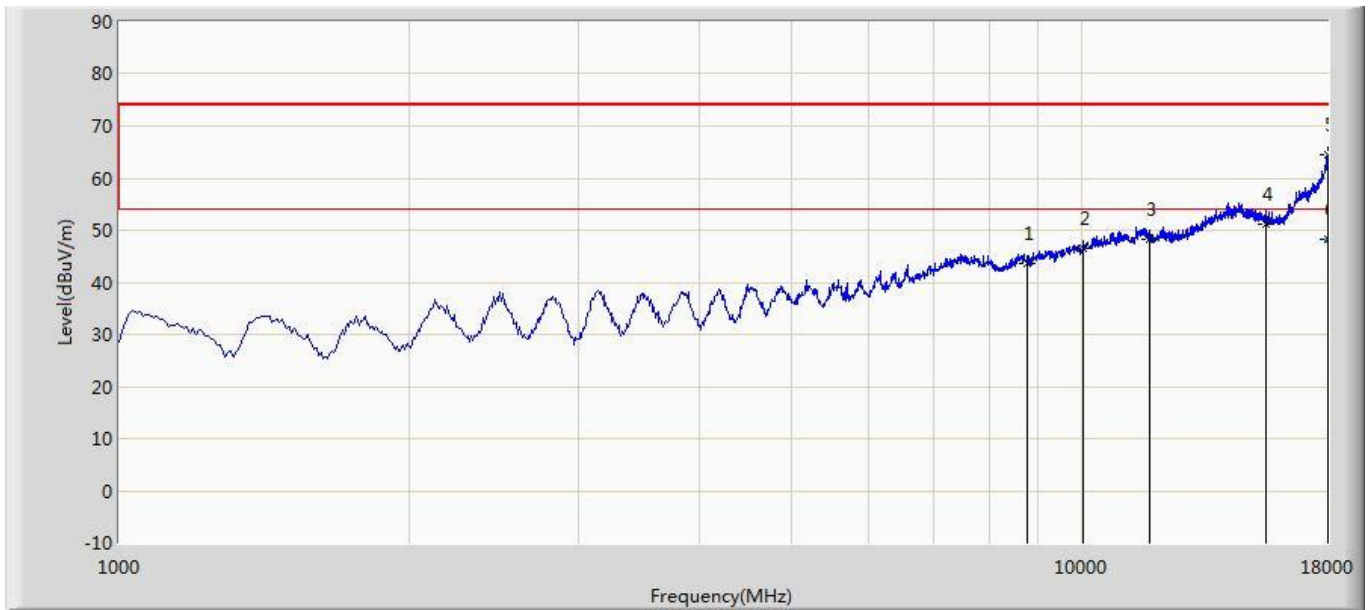




## Annex – Worse Case Radiated Spurious Emission

Site: AC1	Time: 2017/10/18 - 10:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: ACCESS POINT	Power: By POE
Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8777.500	43.762	29.831	-24.438	68.200	13.931	PK
2			10035.500	46.408	30.937	-21.792	68.200	15.471	PK
3			11735.500	48.359	29.389	-5.641	54.000	18.970	PK
4			15509.500	51.263	30.637	-2.737	54.000	20.626	PK
5			17974.500	64.449	32.718	-9.551	74.000	31.731	PK
6		*	17974.500	48.161	16.430	-5.839	54.000	31.731	AV

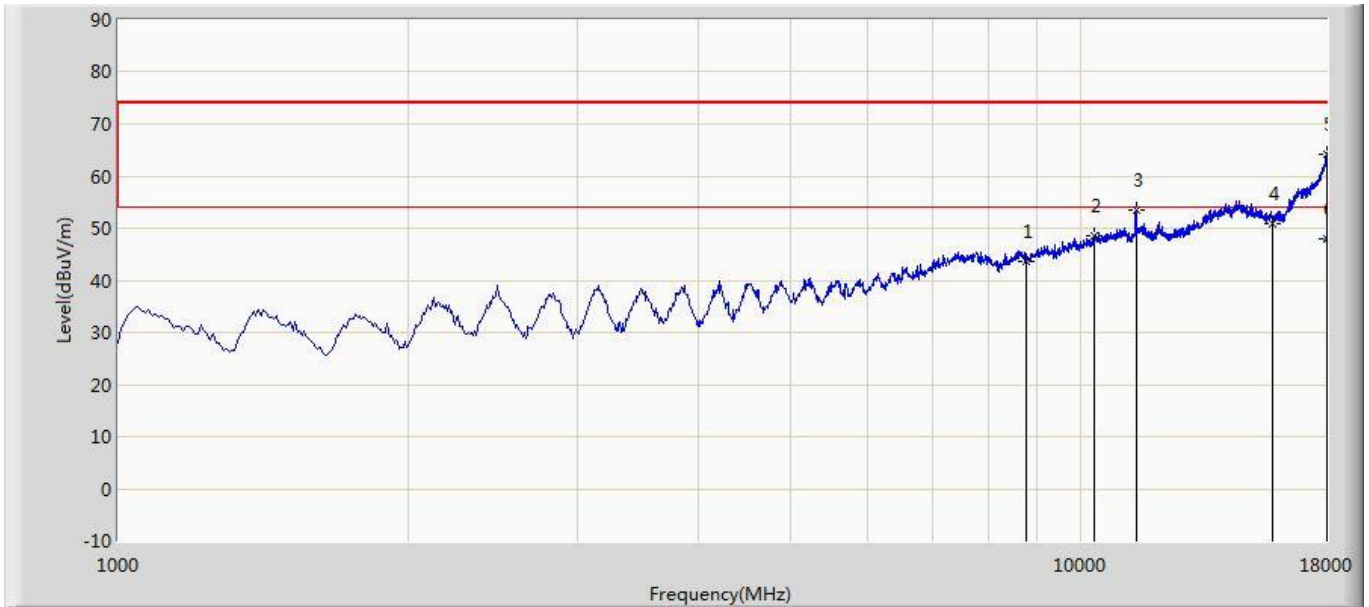
Note1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note2: 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: 2017/10/18 - 10:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: ACCESS POINT	Power: By POE
Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8760.500	43.568	29.651	-24.632	68.200	13.917	PK
2			10324.500	48.627	31.942	-19.573	68.200	16.685	PK
3			11404.000	53.486	34.380	-0.514	54.000	19.106	PK
4			15781.500	50.913	30.530	-3.087	54.000	20.383	PK
5			17991.500	64.263	32.299	-9.737	74.000	31.964	PK
6		*	17991.500	47.894	15.930	-6.106	54.000	31.964	AV

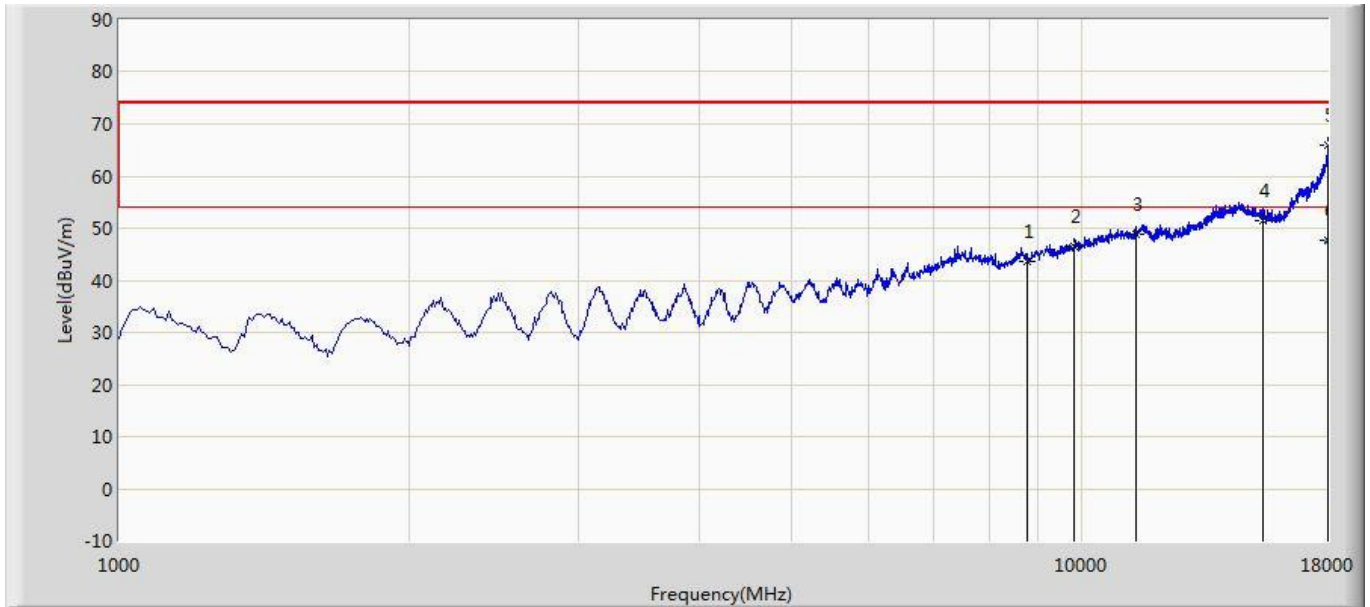
Note1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note2: 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: 2017/10/18 - 11:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: ACCESS POINT	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8769.000	43.682	29.758	-24.518	68.200	13.924	PK
2			9797.500	46.395	31.345	-21.805	68.200	15.050	PK
3			11370.000	48.848	29.816	-5.152	54.000	19.032	PK
4			15424.500	51.547	30.624	-2.453	54.000	20.923	PK
5			18000.000	66.014	33.927	-7.986	74.000	32.087	PK
6		*	18000.000	47.537	15.450	-6.463	54.000	32.087	AV

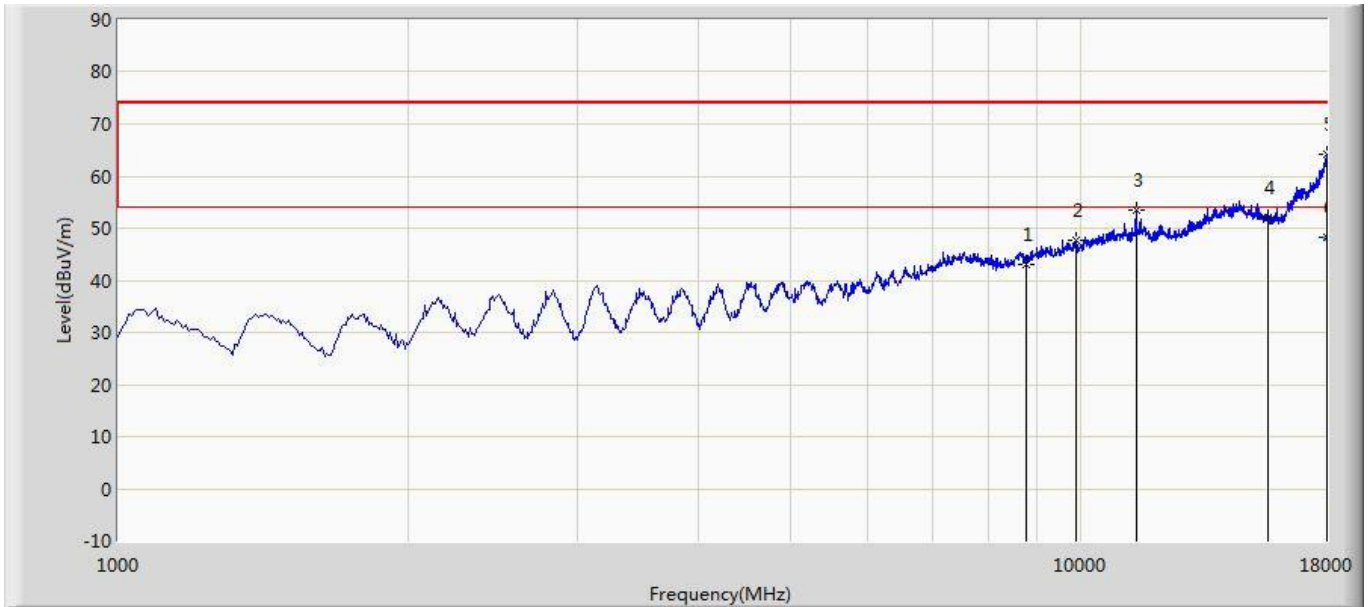
Note1: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note2: 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: 2017/10/18 - 11:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: ACCESS POINT	Power: By POE
Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8786.000	42.919	28.981	-25.281	68.200	13.938	PK
2			9874.000	47.753	31.932	-20.447	68.200	15.821	PK
3			11412.500	53.476	34.349	-0.524	54.000	19.127	PK
4			15645.500	51.916	31.508	-2.084	54.000	20.408	PK
5			17983.000	64.091	32.244	-9.909	74.000	31.847	PK
6		*	17983.000	48.387	16.540	-5.613	54.000	31.847	AV

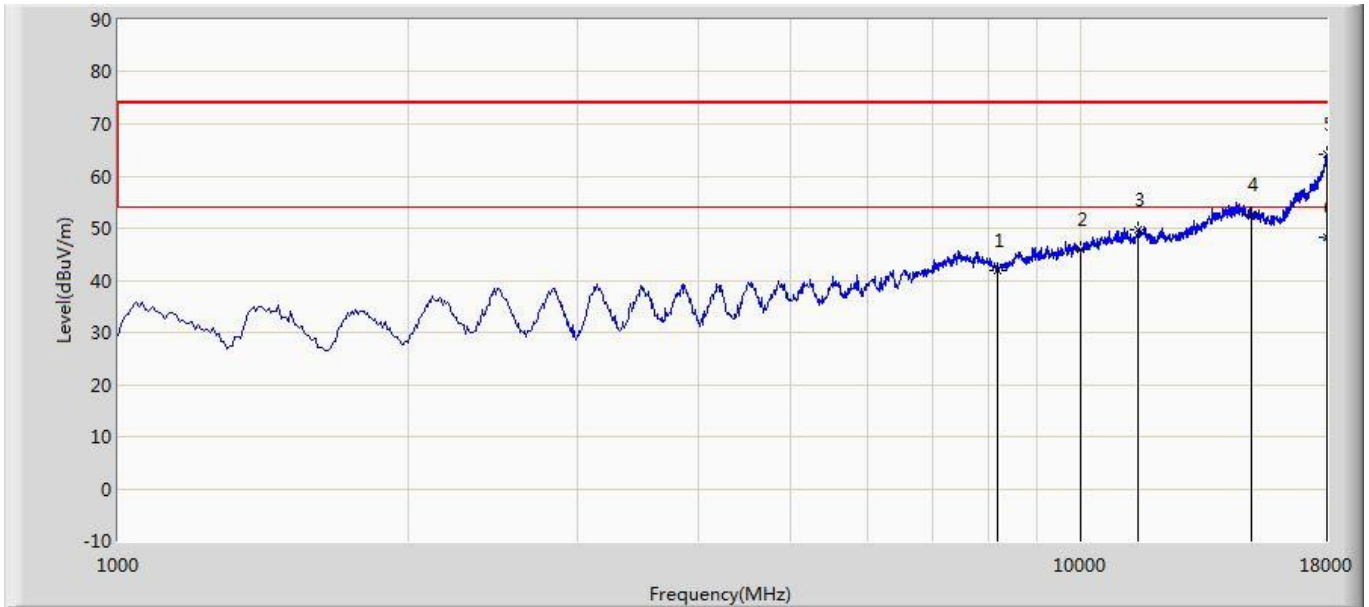
Note1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note2: 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: 2017/10/19 - 03:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AP303	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5590MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8199.500	41.792	29.842	-26.408	68.200	11.951	PK
2			9993.000	45.863	30.499	-22.337	68.200	15.364	PK
3			11463.500	49.825	30.564	-4.175	54.000	19.261	PK
4			15025.000	52.557	30.833	-1.443	54.000	21.723	PK
5			17974.500	64.094	32.363	-9.906	74.000	31.731	PK
6		*	17974.500	48.161	16.430	-5.839	54.000	31.731	AV

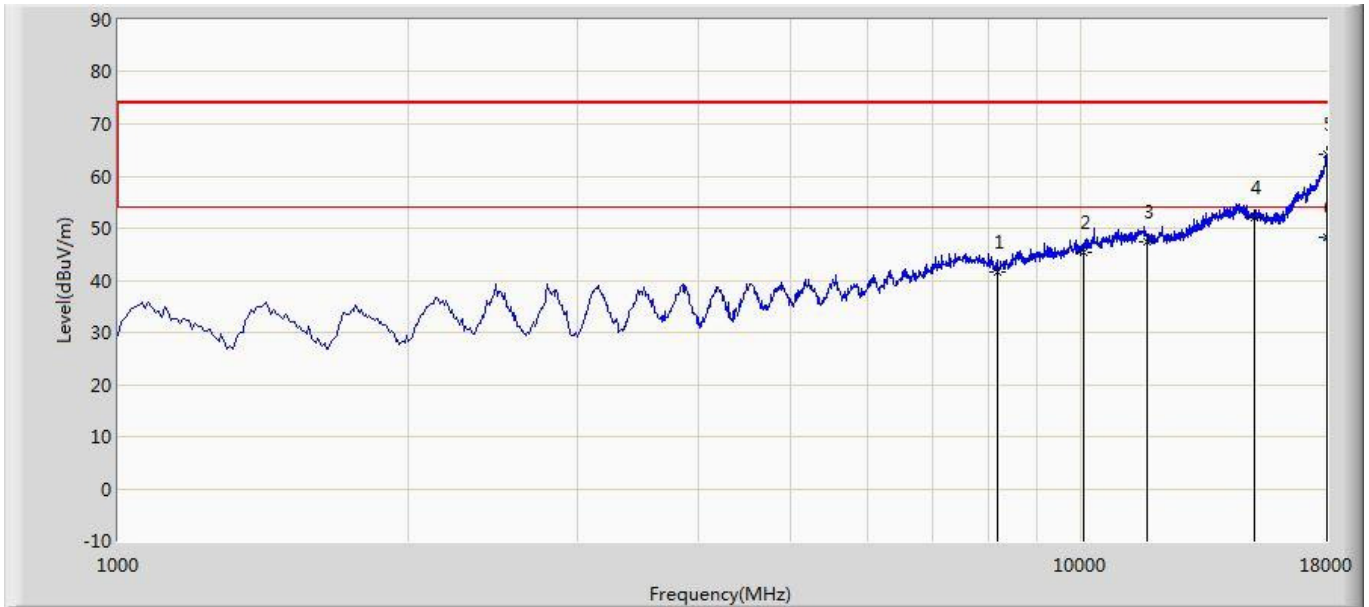
Note1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note2: 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: 2017/10/19 - 03:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AP303	Power: By POE
Test Mode: Transmit by 802.11n-HT40 at channel 5590MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8191.000	41.706	29.734	-26.494	68.200	11.972	PK
2			10052.500	45.372	29.847	-22.828	68.200	15.525	PK
3			11710.000	47.434	28.350	-6.566	54.000	19.084	PK
4			15161.000	51.944	30.460	-2.056	54.000	21.483	PK
5			17983.000	64.289	32.442	-9.711	74.000	31.847	PK
6		*	17983.000	48.277	16.430	-5.723	54.000	31.847	AV

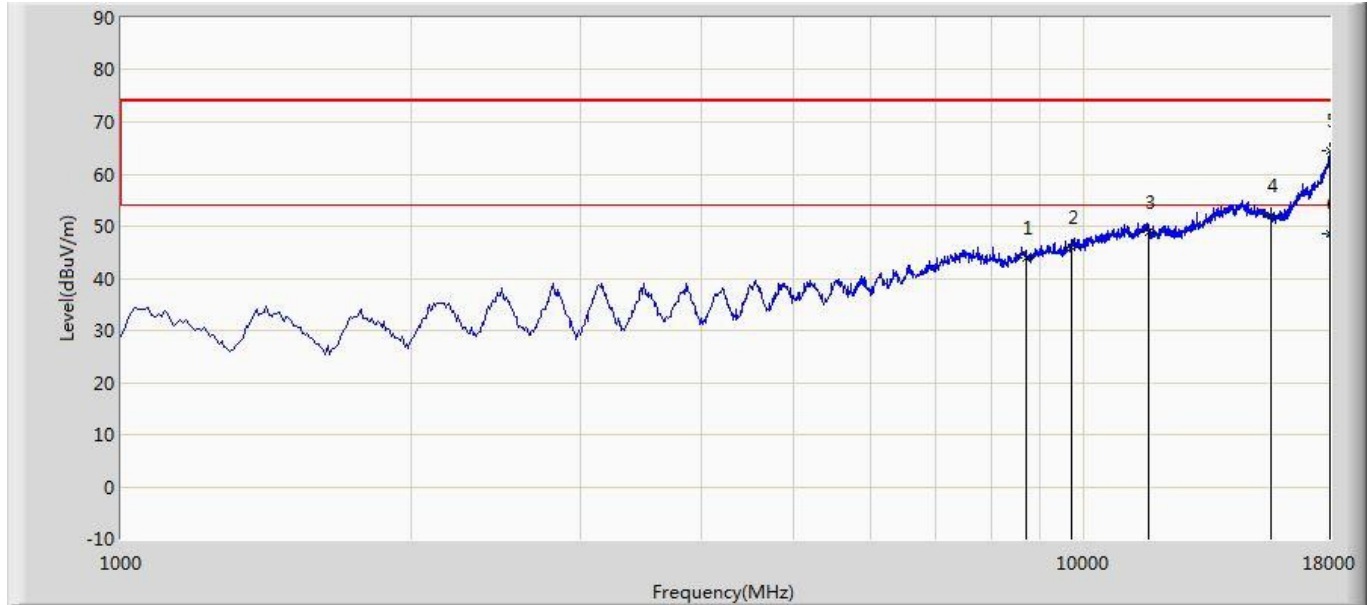
Note1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note2: 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: 2017/10/18 - 11:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: ACCESS POINT	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5720MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8718.000	43.830	30.020	-24.370	68.200	13.810	PK
2			9721.000	45.996	31.291	-22.204	68.200	14.705	PK
3			11684.500	48.758	29.568	-5.242	54.000	19.190	PK
4			15611.500	52.007	31.529	-1.993	54.000	20.478	PK
5			18000.000	64.376	32.289	-9.624	74.000	32.087	PK
6		*	18000.000	48.537	16.450	-5.463	54.000	32.087	AV

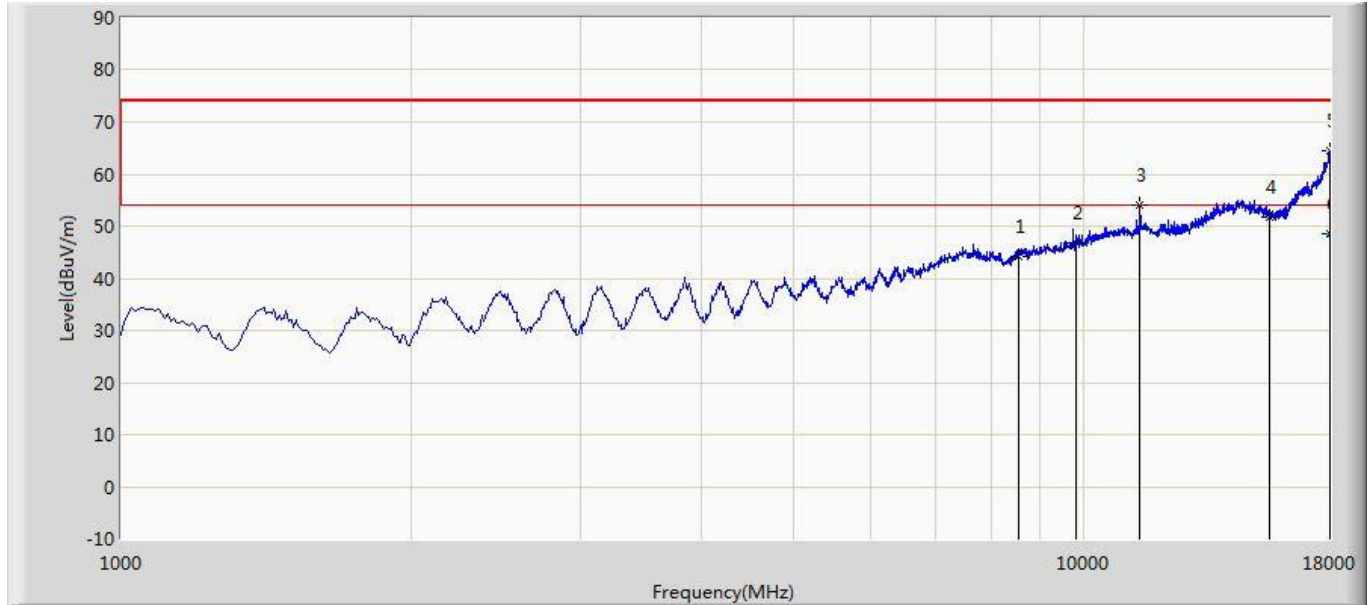
Note1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note2: 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: 2017/10/18 - 11:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: ACCESS POINT	Power: By POE
Test Mode: Transmit by 802.11ac-VHT20 at channel 5720MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8539.500	44.152	31.040	-24.048	68.200	13.112	PK
2			9823.000	46.748	31.120	-21.452	68.200	15.628	PK
3			11429.500	53.947	34.776	-0.053	54.000	19.171	PK
4			15560.500	51.626	31.041	-2.374	54.000	20.585	PK
5			17991.500	64.630	32.666	-9.370	74.000	31.964	PK
6		*	17991.500	48.504	16.540	-5.496	54.000	31.964	AV

Note1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

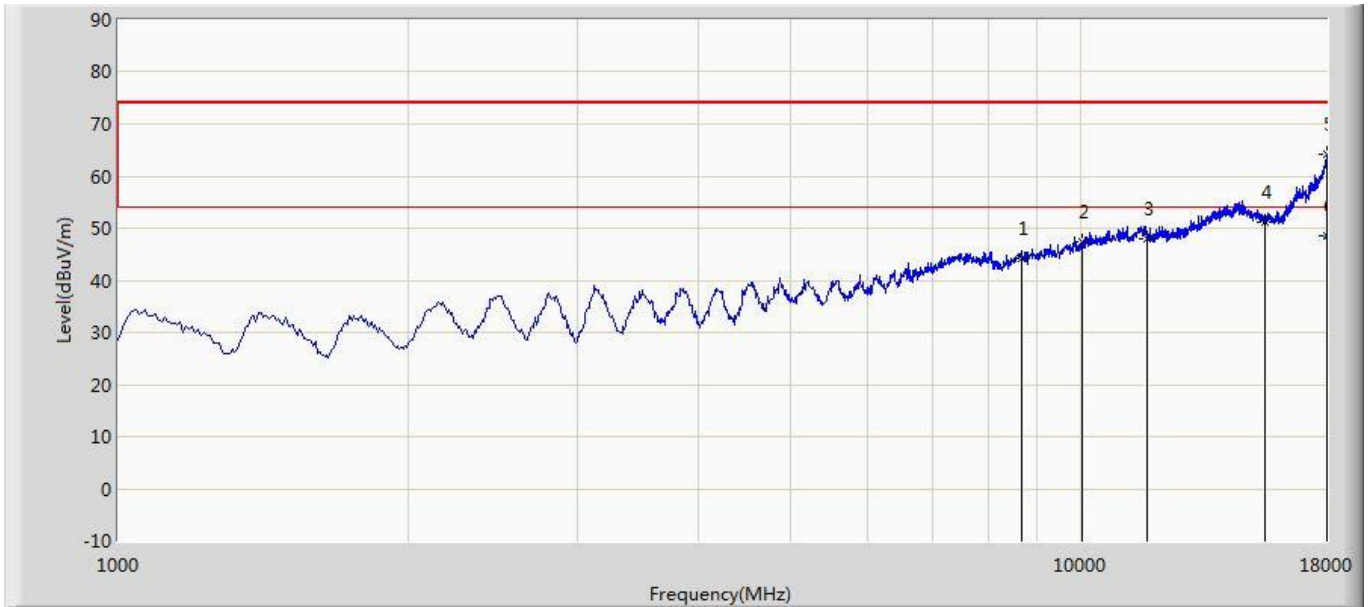
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note2: 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: 2017/10/18 - 11:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: ACCESS POINT	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5590MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8667.000	44.095	30.468	-24.105	68.200	13.627	PK
2			10035.500	47.326	31.856	-20.874	68.200	15.471	PK
3			11701.500	47.877	28.757	-6.123	54.000	19.119	PK
4			15501.000	51.150	30.507	-2.850	54.000	20.644	PK
5			18000.000	64.118	32.031	-9.882	74.000	32.087	PK
6		*	18000.000	48.657	16.570	-5.343	54.000	32.087	AV

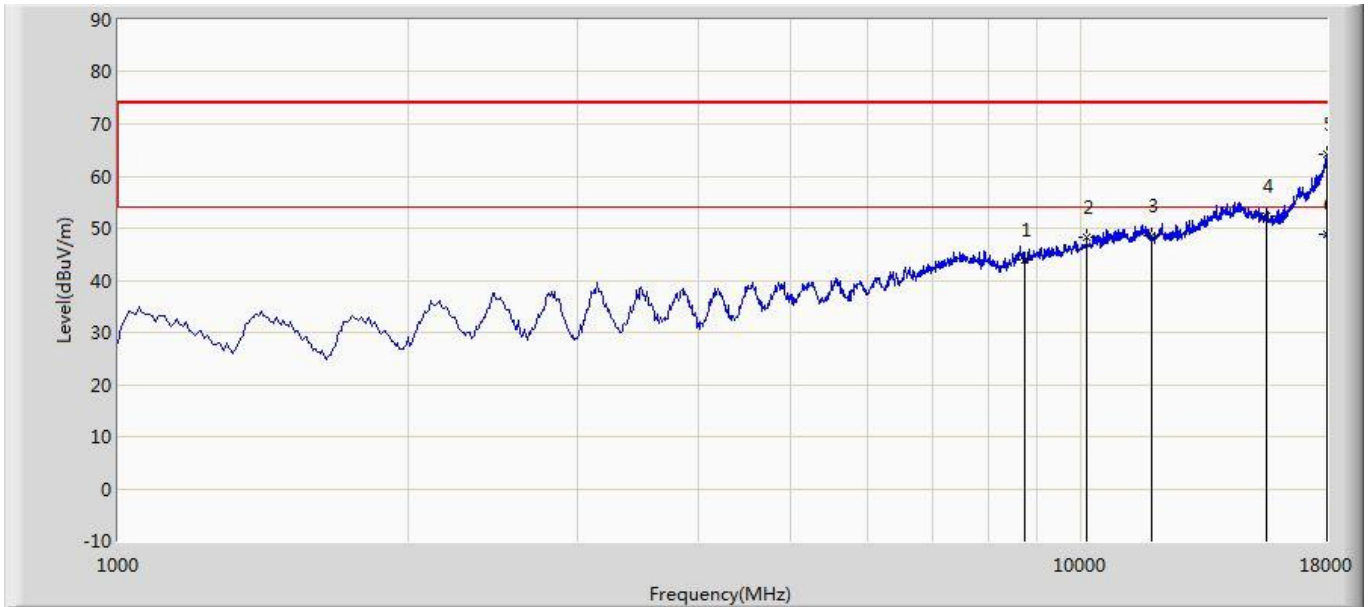
Note1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note2: 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: 2017/10/18 - 11:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: ACCESS POINT	Power: By POE
Test Mode: Transmit by 802.11ac-VHT40 at channel 5590MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8726.500	43.881	30.045	-24.319	68.200	13.836	PK
2			10129.000	48.182	32.309	-20.018	68.200	15.873	PK
3			11829.000	48.602	29.892	-5.398	54.000	18.711	PK
4			15569.000	52.456	31.889	-1.544	54.000	20.566	PK
5			17991.500	64.135	32.171	-9.865	74.000	31.964	PK
6		*	17991.500	48.804	16.840	-5.196	54.000	31.964	AV

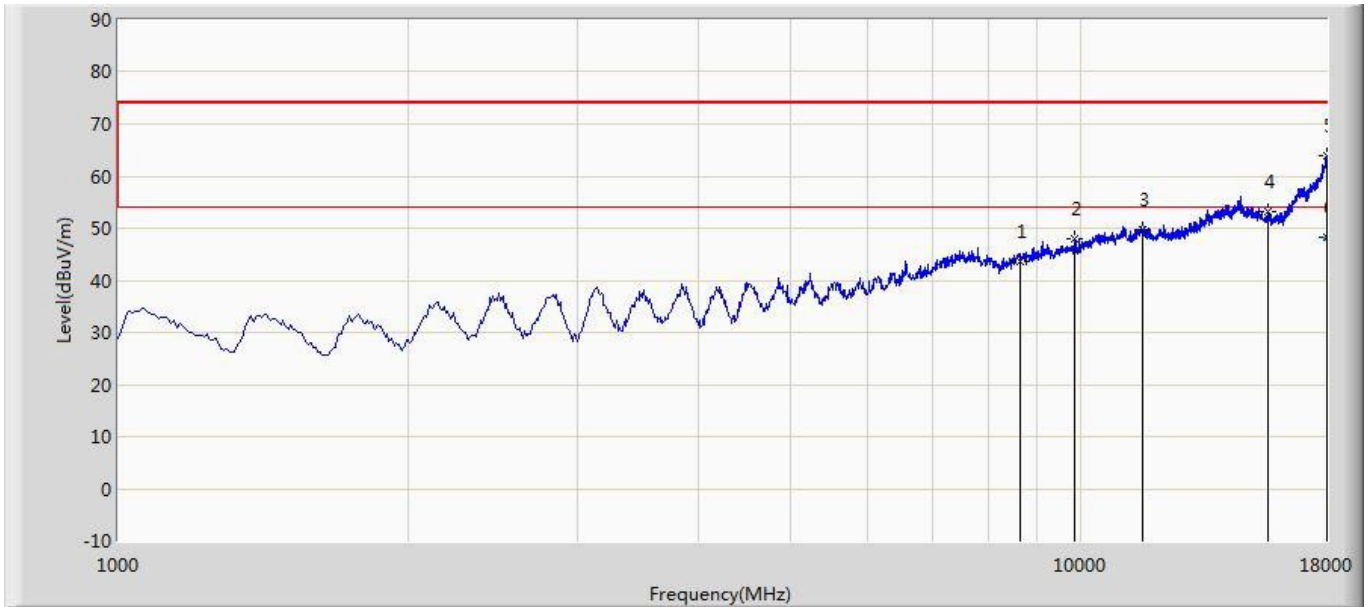
Note1: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note2: 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: 2017/10/18 - 11:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: ACCESS POINT	Power: By POE
Test Mode: Transmit by 802.11ac-VHT80 at channel 5610MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8633.000	43.638	30.114	-24.562	68.200	13.525	PK
2			9857.000	48.001	31.814	-20.199	68.200	16.187	PK
3			11582.500	49.825	30.370	-4.175	54.000	19.456	PK
4			15628.500	53.157	32.714	-0.843	54.000	20.443	PK
5			17991.500	63.943	31.979	-10.057	74.000	31.964	PK
6		*	17991.500	48.284	16.320	-5.716	54.000	31.964	AV

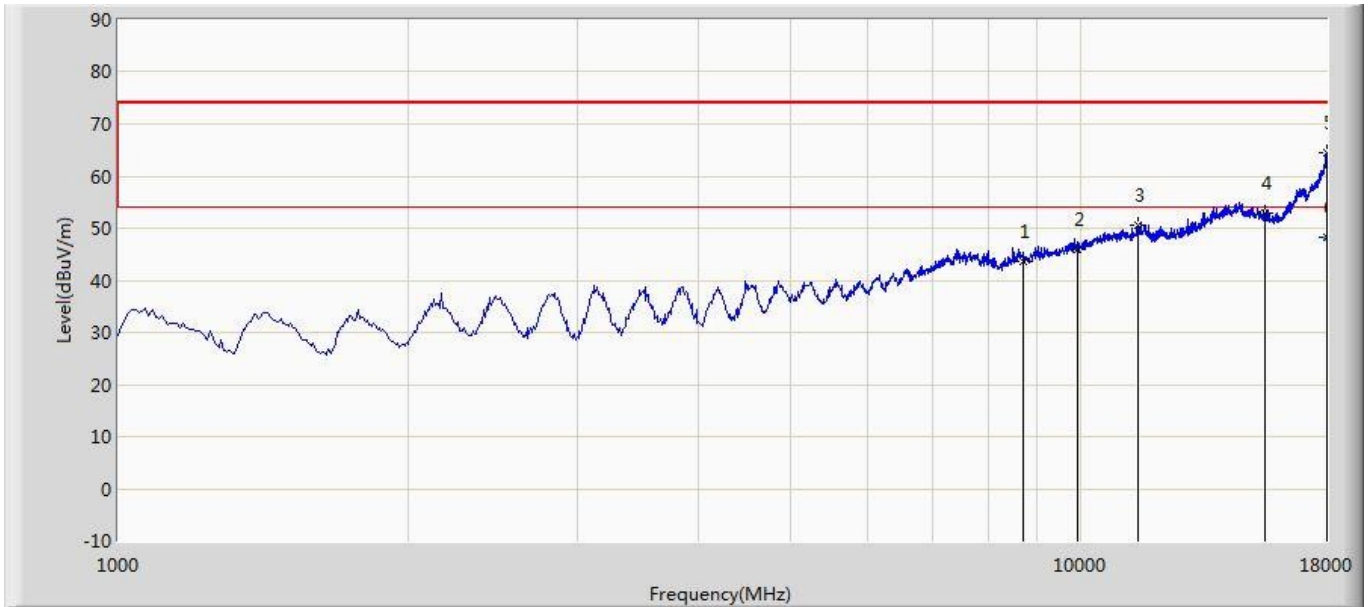
Note1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note2: 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: 2017/10/18 - 11:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: ACCESS POINT	Power: By POE
Test Mode: Transmit by 802.11ac-VHT80 at channel 5610MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8718.000	43.612	29.802	-24.588	68.200	13.810	PK
2			9899.500	45.831	30.465	-22.369	68.200	15.366	PK
3			11446.500	50.531	31.319	-3.469	54.000	19.212	PK
4			15509.500	52.988	32.362	-1.012	54.000	20.626	PK
5			18000.000	64.367	32.280	-9.633	74.000	32.087	PK
6		*	18000.000	48.297	16.210	-5.703	54.000	32.087	AV

Note1: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note2: 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.