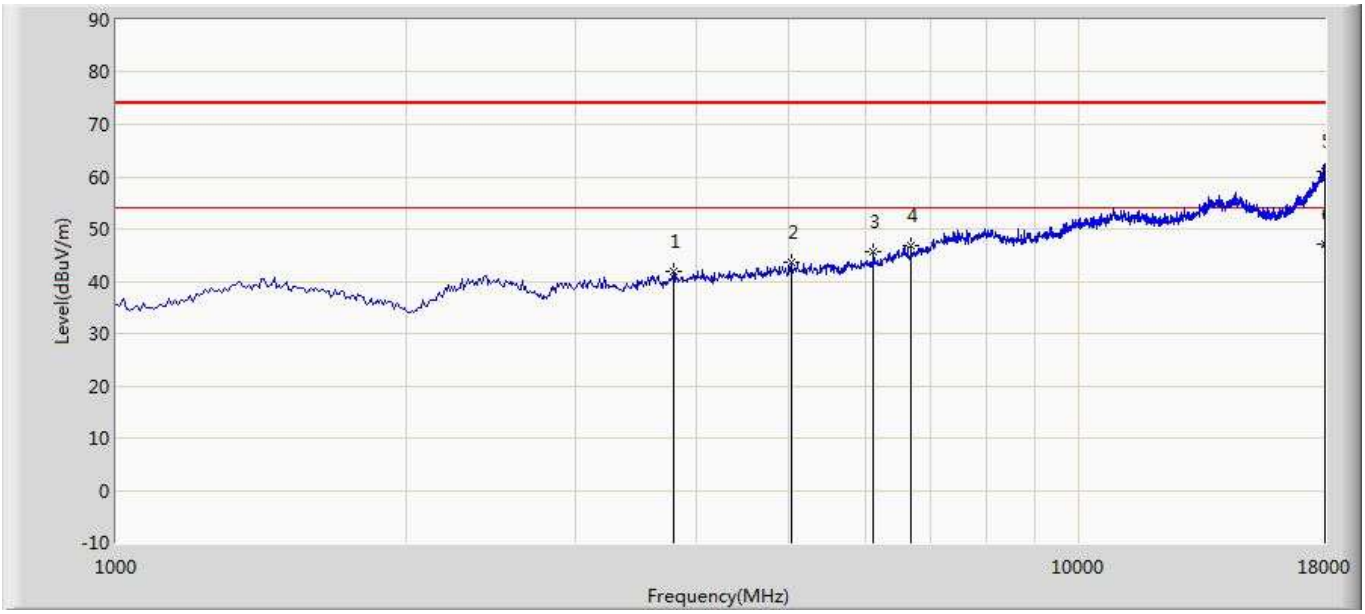
Annex - Worse Case Radiated Spurious Emission - APIN0514

2.4 GHz Wi-Fi Parts

Omni Antenna (AP-ANT-20W)

Site: AC1	Time: 2018/06/23 - 15:38
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	



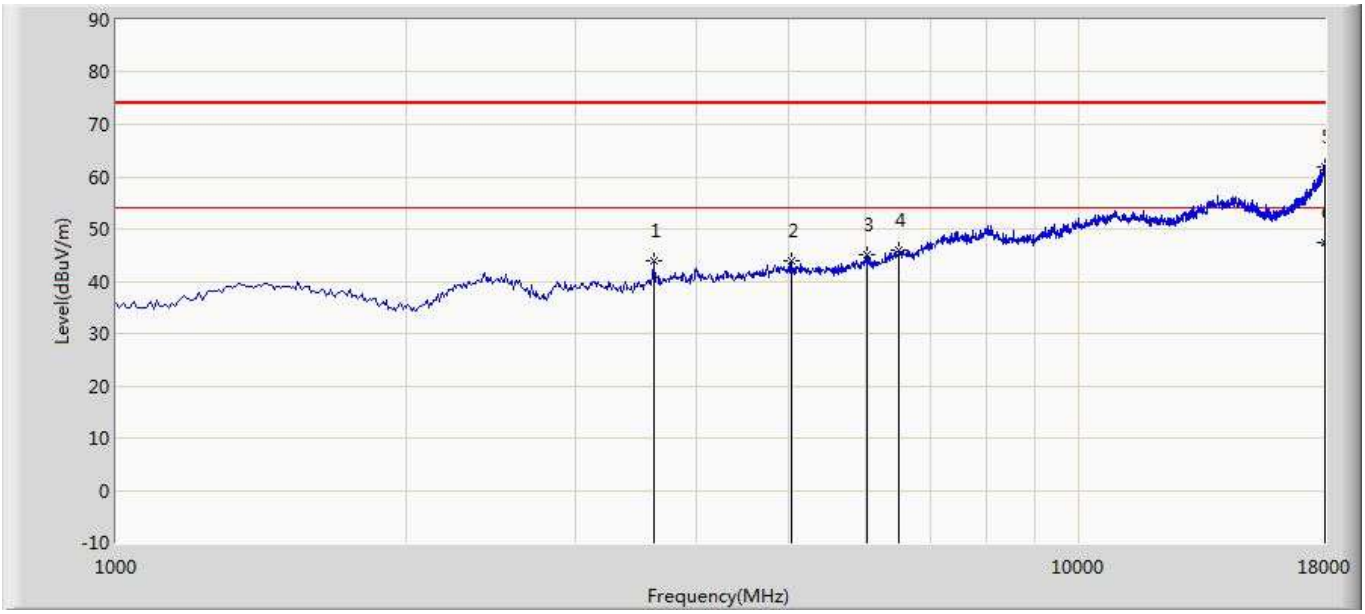
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3788.000	41.891	41.657	-12.109	54.000	0.234	PK
2			5020.500	43.574	39.679	-10.426	54.000	3.895	PK
3			6117.000	45.741	39.252	-37.759	83.500	6.490	PK
4			6686.500	46.772	38.095	-36.728	83.500	8.677	PK
5			18000.000	61.159	29.072	-12.841	54.000	32.087	PK
6			18000.000	47.147	15.060	-6.853	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: 2018/06/23 - 16:06
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	



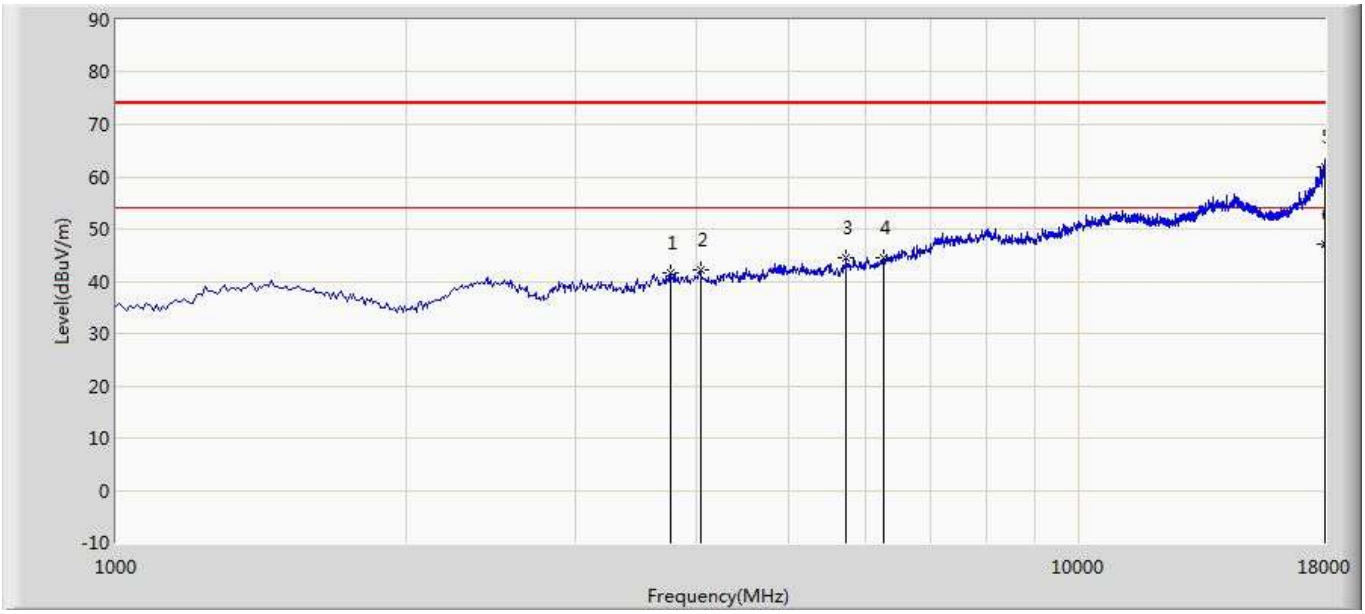
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3618.000	43.900	43.922	-10.100	54.000	-0.022	PK
2			5020.500	43.931	40.036	-10.069	54.000	3.895	PK
3			6015.000	44.990	38.844	-38.510	83.500	6.146	PK
4			6499.500	45.856	37.488	-37.644	83.500	8.368	PK
5			18000.000	61.877	29.790	-12.123	74.000	32.087	PK
6			18000.000	47.247	15.160	-6.753	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: 2018/06/23 - 16:11
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	



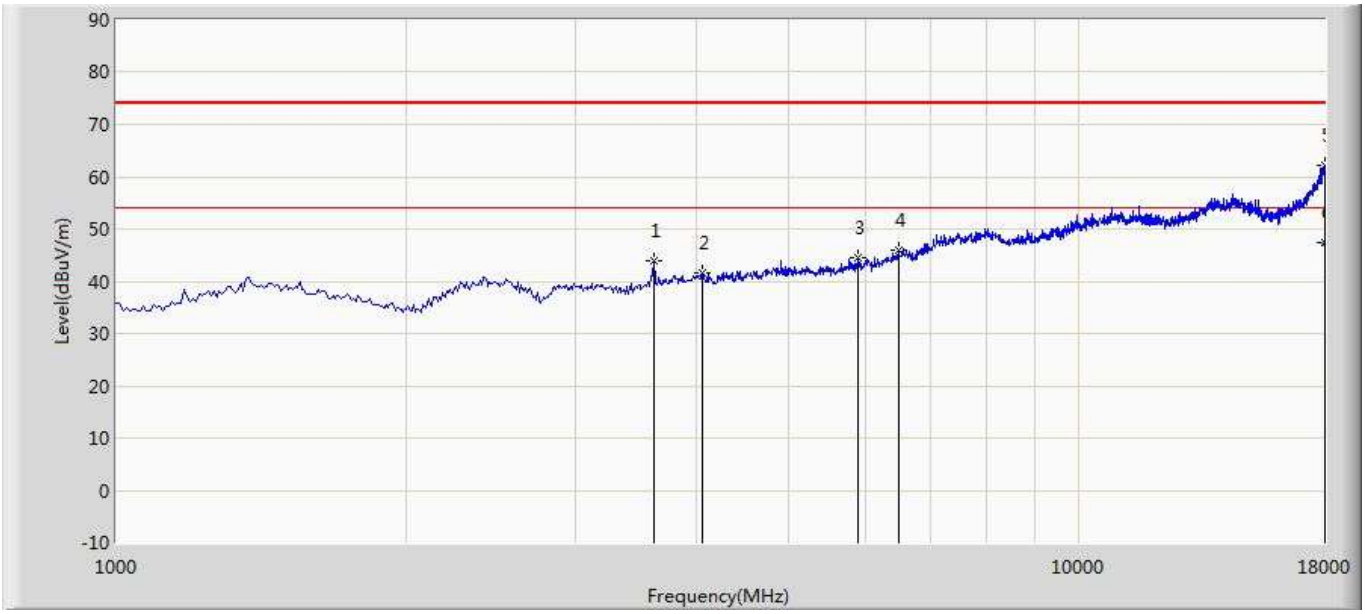
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3762.500	41.611	41.393	-12.389	54.000	0.217	PK
2			4043.000	42.089	41.572	-11.911	54.000	0.516	PK
3			5734.500	44.393	39.303	-39.307	83.700	5.090	PK
4			6261.500	44.532	37.496	-39.168	83.700	7.036	PK
5			18000.000	61.852	29.765	-12.148	74.000	32.087	PK
6			18000.000	47.157	15.070	-6.843	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: 2018/06/23 - 16:12
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	



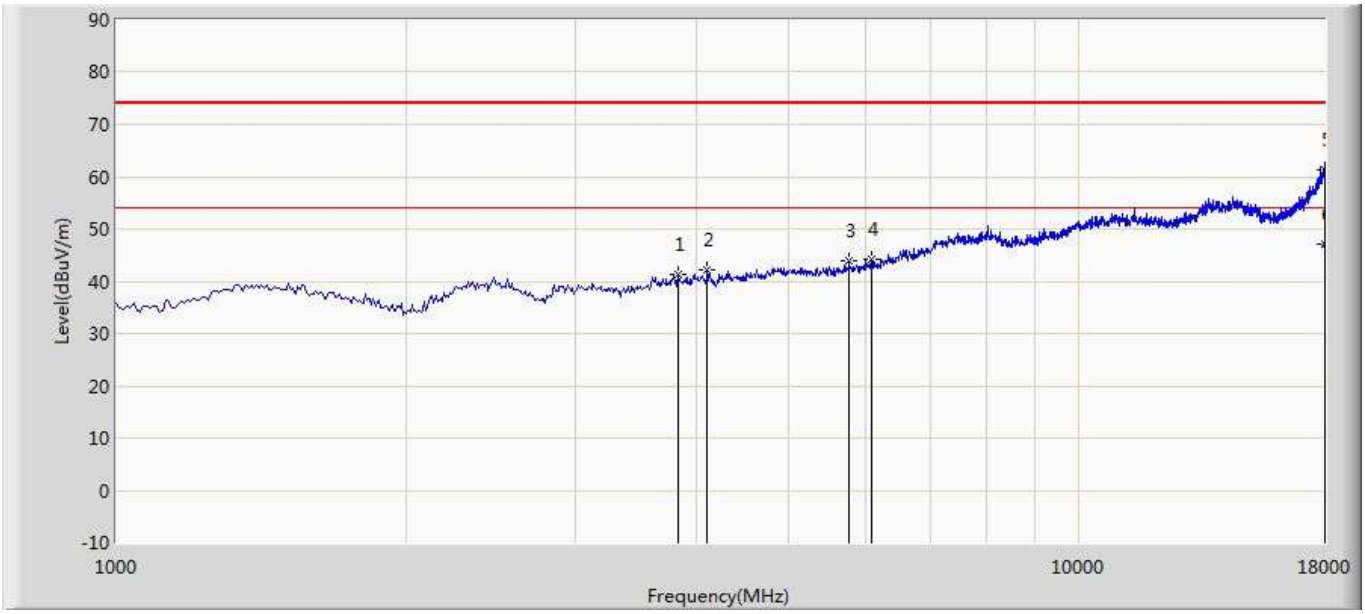
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3618.000	43.773	43.795	-10.227	54.000	-0.022	PK
2			4068.500	41.649	41.039	-12.351	54.000	0.610	PK
3			5887.500	44.468	38.605	-39.232	83.700	5.863	PK
4			6499.500	45.860	37.492	-37.840	83.700	8.368	PK
5			18000.000	62.044	29.957	-11.956	74.000	32.087	PK
6		*	18000.000	47.327	15.240	-6.673	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: 2018/06/23 - 16:25
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	



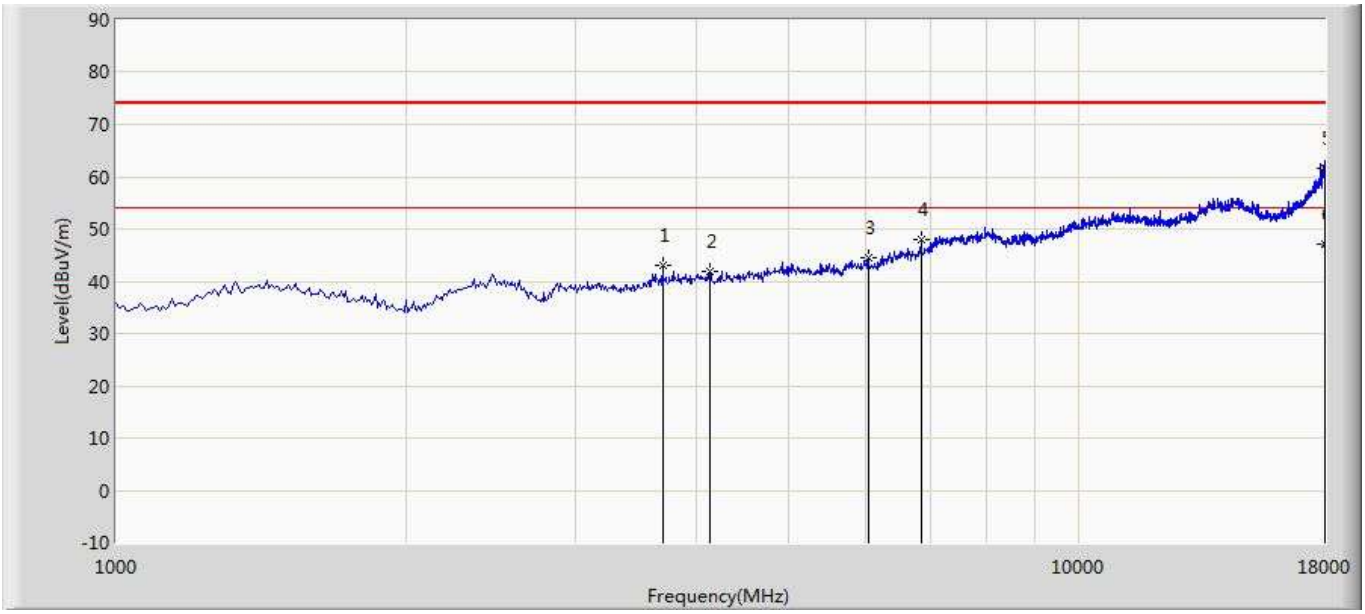
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3830.500	41.291	41.011	-12.709	54.000	0.280	PK
2			4111.000	42.154	41.376	-11.846	54.000	0.778	PK
3			5768.500	43.818	38.535	-38.682	82.500	5.284	PK
4			6083.000	44.226	37.869	-38.274	82.500	6.356	PK
5			18000.000	61.391	29.304	-12.609	74.000	32.087	PK
6			18000.000	47.117	15.030	-6.883	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: 2018/06/23 - 16:25
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	



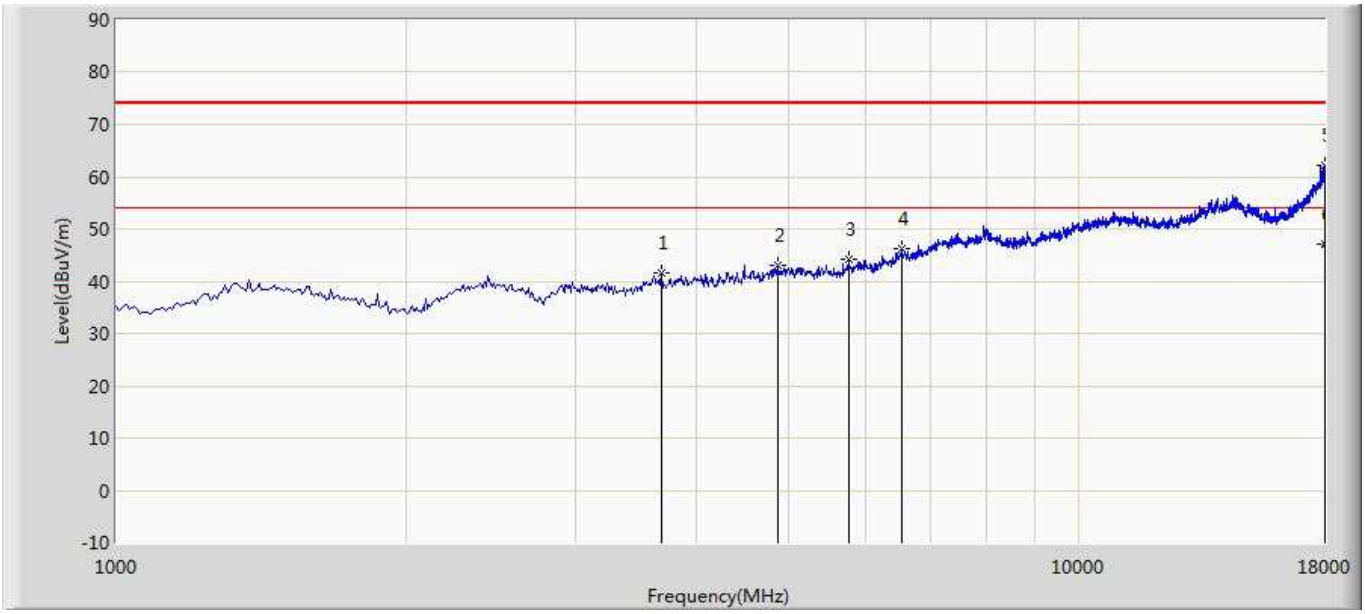
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3694.500	43.136	43.030	-10.864	54.000	0.106	PK
2			4136.500	41.987	41.109	-12.013	54.000	0.879	PK
3			6040.500	44.596	38.388	-37.904	82.500	6.209	PK
4			6856.500	48.028	38.575	-34.472	82.500	9.454	PK
5			18000.000	61.672	29.585	-12.328	74.000	32.087	PK
6		*	18000.000	47.067	14.980	-6.933	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: 2018/06/23 - 16:32
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz	



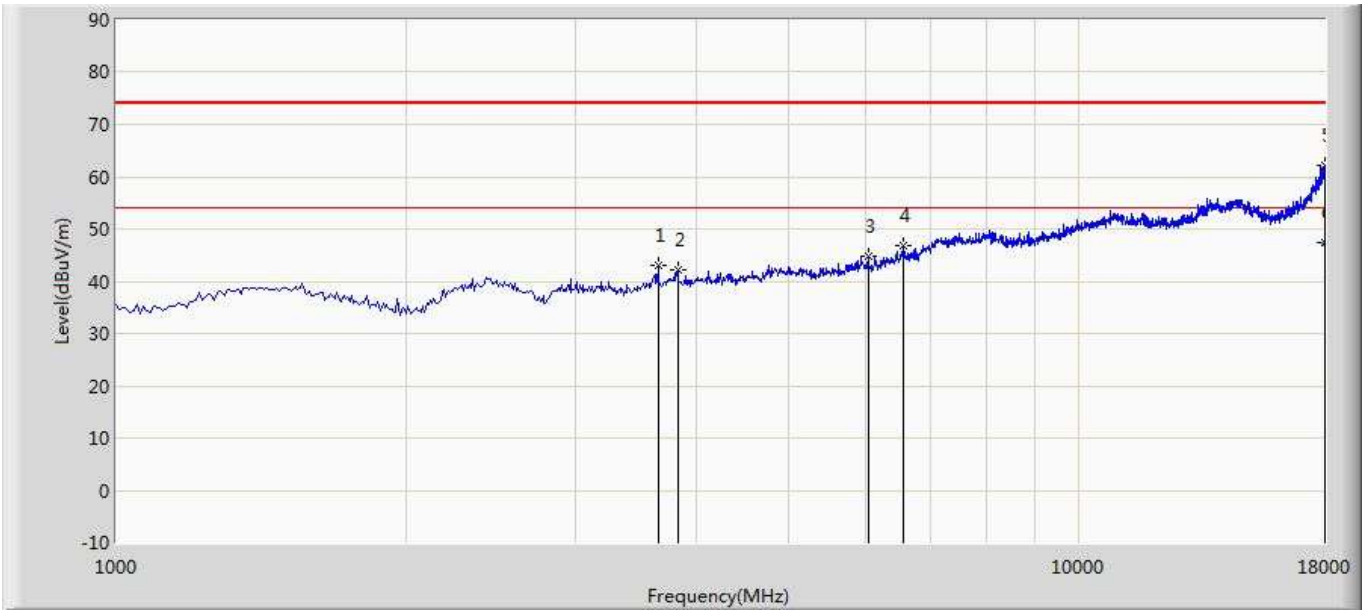
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3686.000	41.539	41.445	-12.461	54.000	0.094	PK
2			4859.000	42.989	39.323	-11.011	54.000	3.666	PK
3			5768.500	44.068	38.785	-35.232	79.300	5.284	PK
4			6542.000	46.226	37.672	-33.074	79.300	8.554	PK
5			18000.000	62.082	29.995	-11.918	74.000	32.087	PK
6			18000.000	47.157	15.070	-6.843	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: 2018/06/23 - 16:32
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2437MHz	



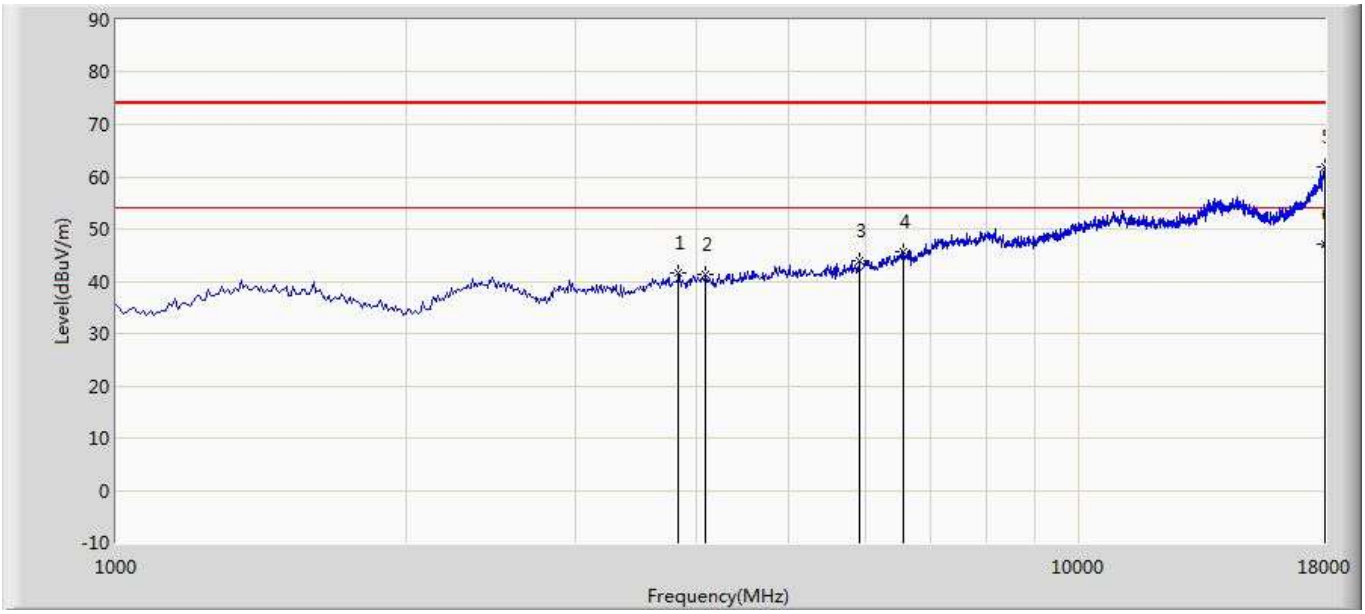
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3652.000	43.040	42.986	-10.960	54.000	0.054	PK
2			3830.500	42.093	41.813	-11.907	54.000	0.280	PK
3			6040.500	44.638	38.430	-34.662	79.300	6.209	PK
4			6559.000	46.679	38.077	-32.621	79.300	8.602	PK
5			18000.000	62.227	30.140	-11.773	74.000	32.087	PK
6		*	18000.000	47.437	15.350	-6.563	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: 2018/06/23 - 16:47
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2462MHz	



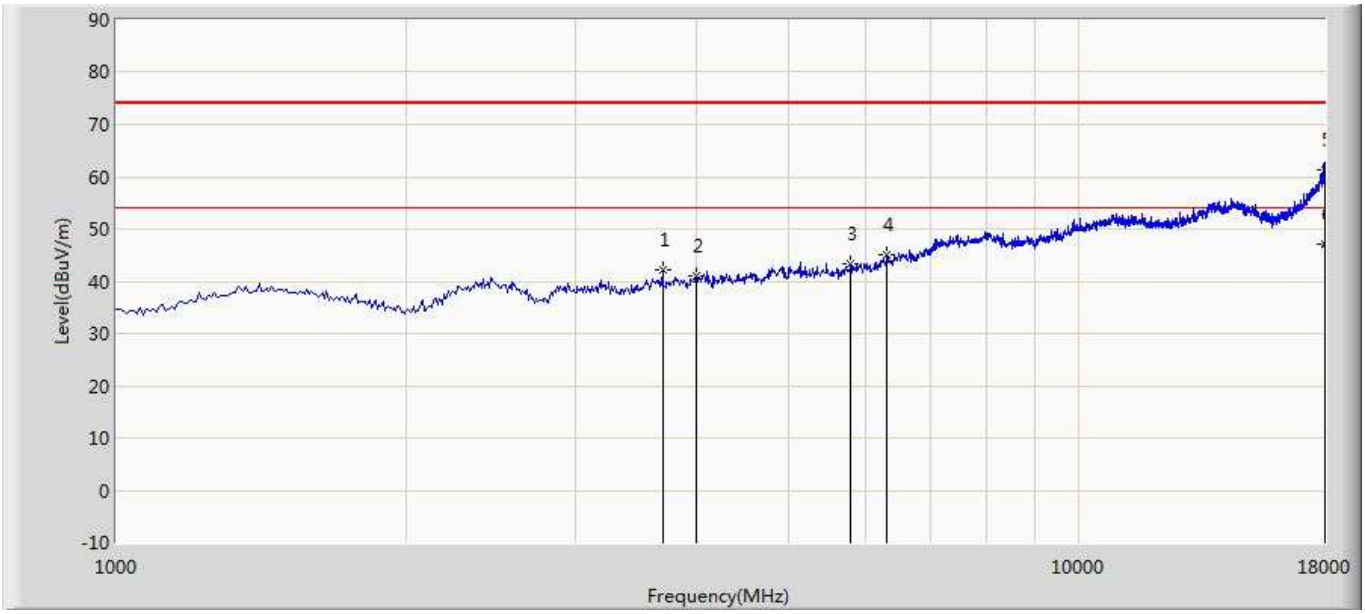
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3839.000	41.515	41.224	-12.485	54.000	0.291	PK
2		*	4094.000	41.412	40.702	-12.588	54.000	0.711	PK
3			5913.000	43.918	37.981	-38.382	82.300	5.937	PK
4			6576.000	45.792	37.159	-36.508	82.300	8.633	PK
5			18000.000	61.912	29.825	-12.088	74.000	32.087	PK
6			18000.000	47.067	14.980	-6.933	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: 2018/06/23 - 16:48
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2462MHz	



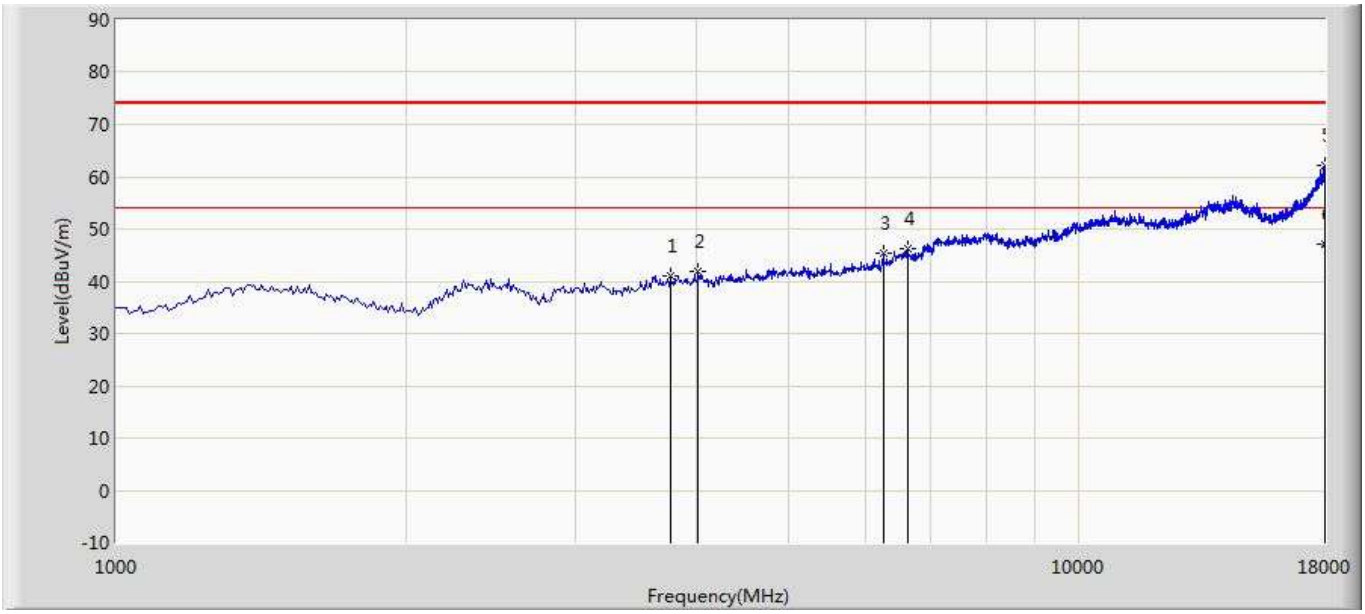
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3694.500	42.126	42.020	-11.874	54.000	0.106	PK
2			4000.500	41.109	40.711	-12.891	54.000	0.398	PK
3			5794.000	43.196	37.784	-39.104	82.300	5.412	PK
4			6321.000	45.204	37.919	-37.096	82.300	7.284	PK
5			18000.000	61.347	29.260	-12.653	74.000	32.087	PK
6		*	18000.000	47.117	15.030	-6.883	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: 2018/06/23 - 16:53
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2452MHz	



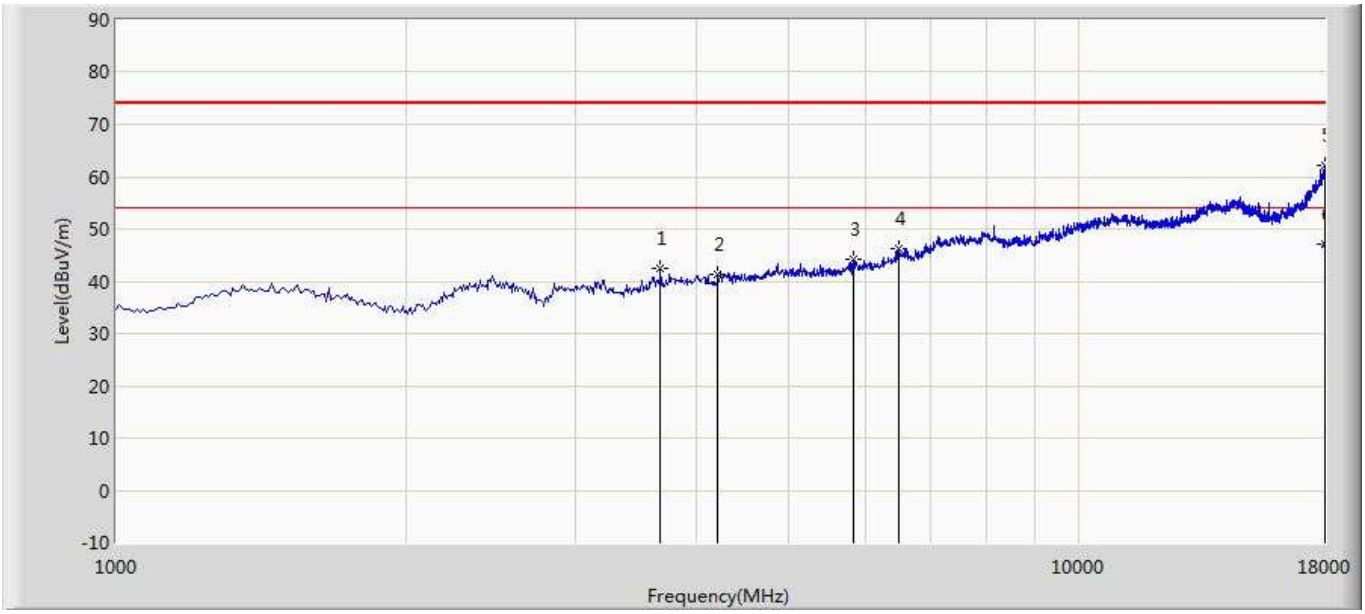
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3762.500	40.883	40.665	-13.117	54.000	0.217	PK
2			4026.000	41.887	41.420	-12.113	54.000	0.466	PK
3			6261.500	45.317	38.281	-35.883	81.200	7.036	PK
4			6635.500	46.087	37.411	-35.113	81.200	8.676	PK
5			18000.000	62.138	30.051	-11.862	74.000	32.087	PK
6		*	18000.000	47.217	15.130	-6.783	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: 2018/06/23 - 16:54
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2452MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3677.500	42.537	42.452	-11.463	54.000	0.085	PK
2			4213.000	41.413	40.226	-12.587	54.000	1.187	PK
3			5836.500	44.151	38.496	-37.049	81.200	5.655	PK
4			6508.000	46.105	37.689	-35.095	81.200	8.416	PK
5			18000.000	62.119	30.032	-11.881	74.000	32.087	PK
6		*	18000.000	47.187	15.100	-6.813	54.000	32.087	AV

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

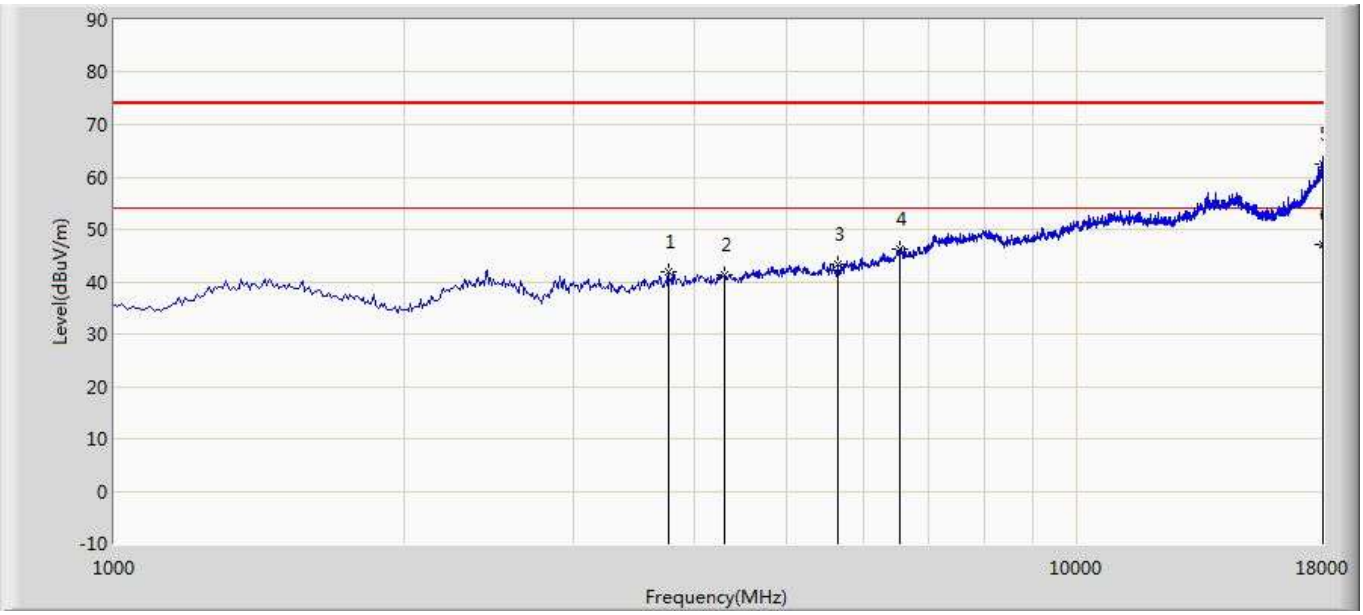
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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.

2.4 GHz Wi-Fi Parts

Omni Antenna (AP-ANT-40)

Site: AC1	Time: 2018/06/29 - 21:06
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	



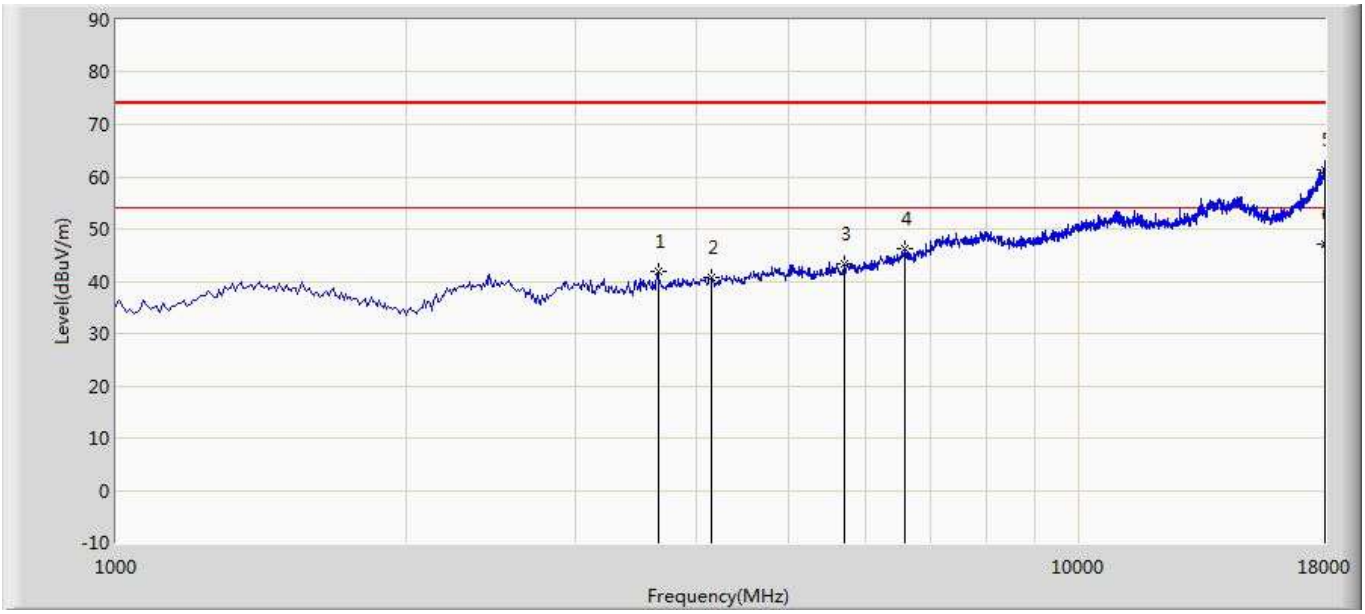
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3762.500	41.999	41.781	-12.001	54.000	0.217	PK
2			4306.500	41.421	39.820	-12.579	54.000	1.601	PK
3			5649.500	43.237	38.568	-39.563	82.800	4.669	PK
4			6542.000	46.207	37.653	-36.593	82.800	8.554	PK
5			18000.000	62.413	30.326	-11.587	74.000	32.087	PK
6			18000.000	47.107	15.020	-6.893	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: 2018/06/29 - 21:08
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	



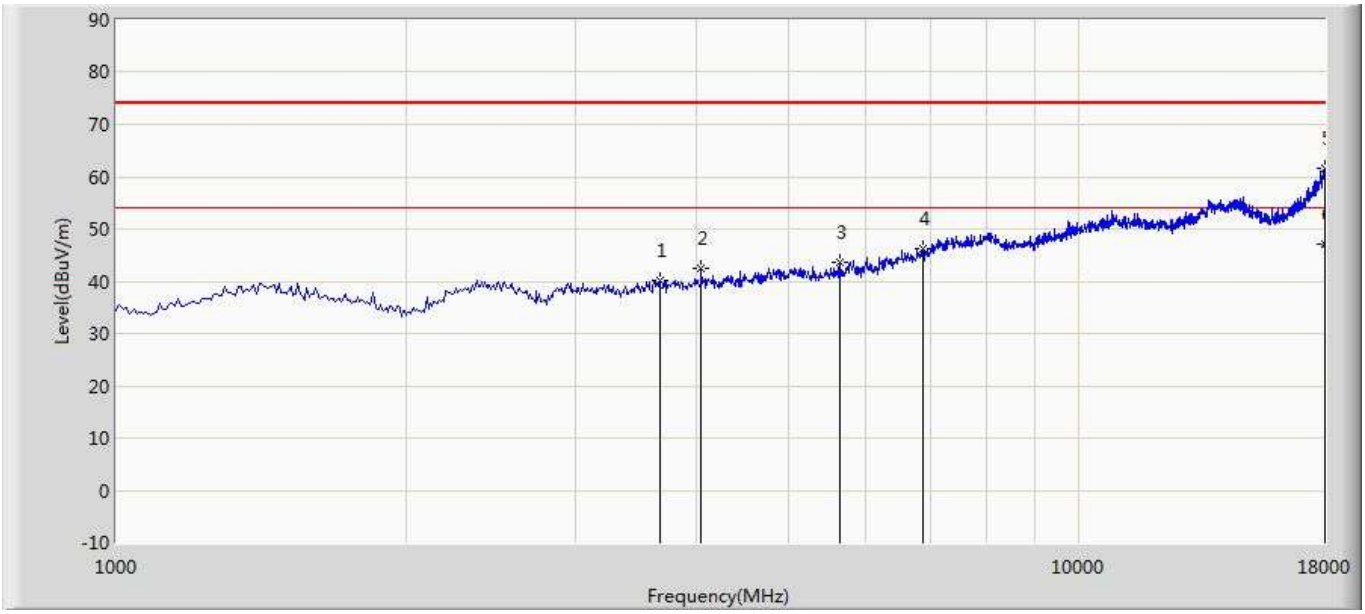
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3652.000	41.868	41.814	-12.132	54.000	0.054	PK
2			4145.000	40.823	39.911	-13.177	54.000	0.912	PK
3			5709.000	43.441	38.515	-39.359	82.800	4.926	PK
4			6584.500	46.214	37.566	-36.586	82.800	8.648	PK
5			18000.000	61.312	29.225	-12.688	74.000	32.087	PK
6			18000.000	47.067	14.980	-6.933	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: 2018/06/29 - 21:19
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	



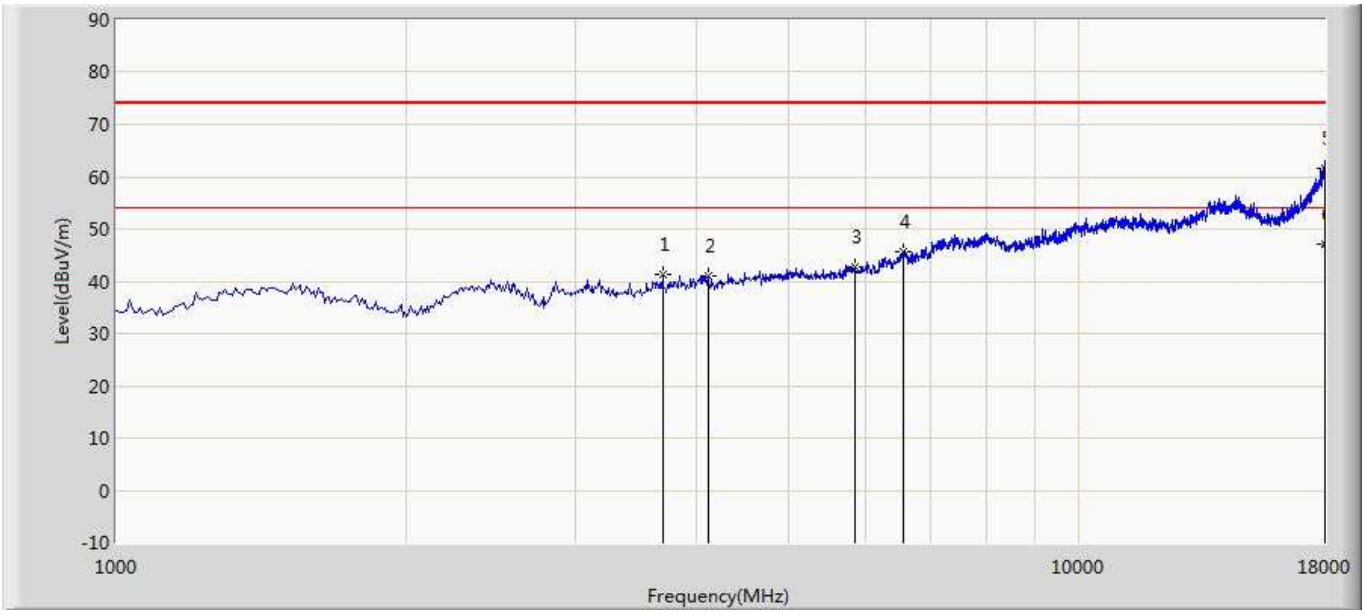
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3669.000	40.244	40.168	-13.756	54.000	0.076	PK
2			4051.500	42.514	41.968	-11.486	54.000	0.546	PK
3			5641.000	43.531	38.890	-39.269	82.800	4.641	PK
4			6873.500	46.349	36.757	-36.451	82.800	9.591	PK
5			18000.000	61.673	29.586	-12.327	74.000	32.087	PK
6			18000.000	46.977	14.890	-7.023	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: 2018/06/29 - 21:20
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	



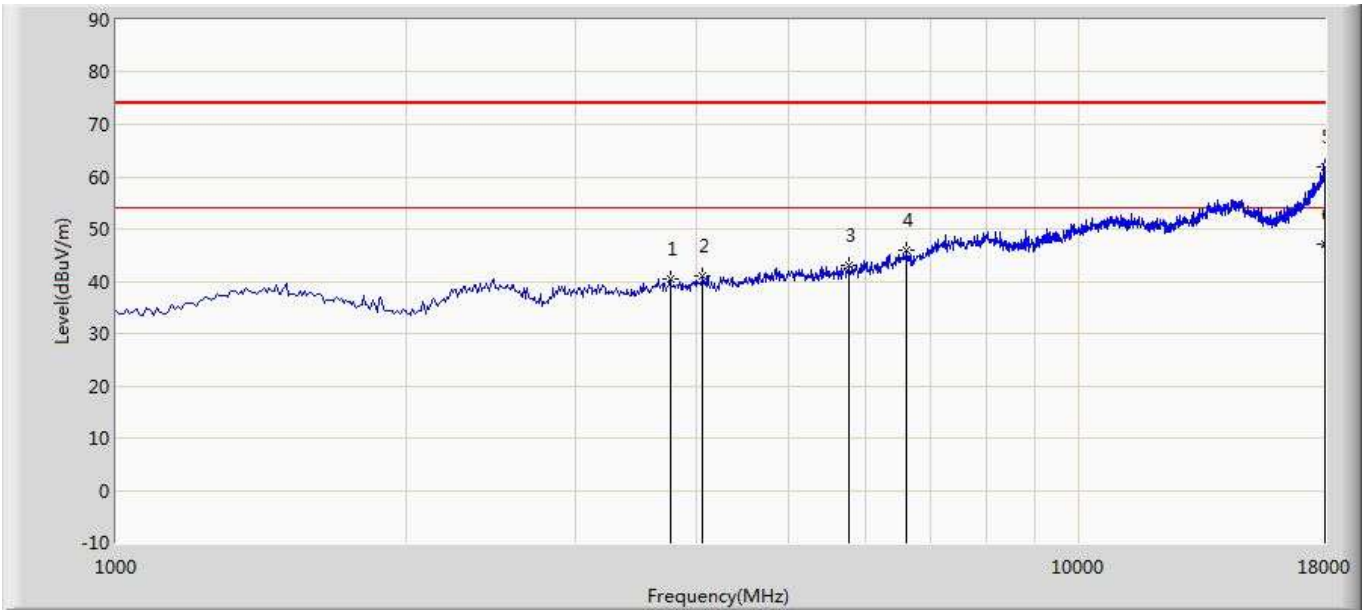
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3694.500	41.410	41.304	-12.590	54.000	0.106	PK
2			4119.500	41.152	40.341	-12.848	54.000	0.811	PK
3			5862.000	42.839	37.064	-39.961	82.800	5.775	PK
4			6567.500	45.679	37.062	-37.121	82.800	8.618	PK
5			18000.000	61.624	29.537	-12.376	74.000	32.087	PK
6		*	18000.000	47.067	14.980	-6.933	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: 2018/06/29 - 21:25
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	



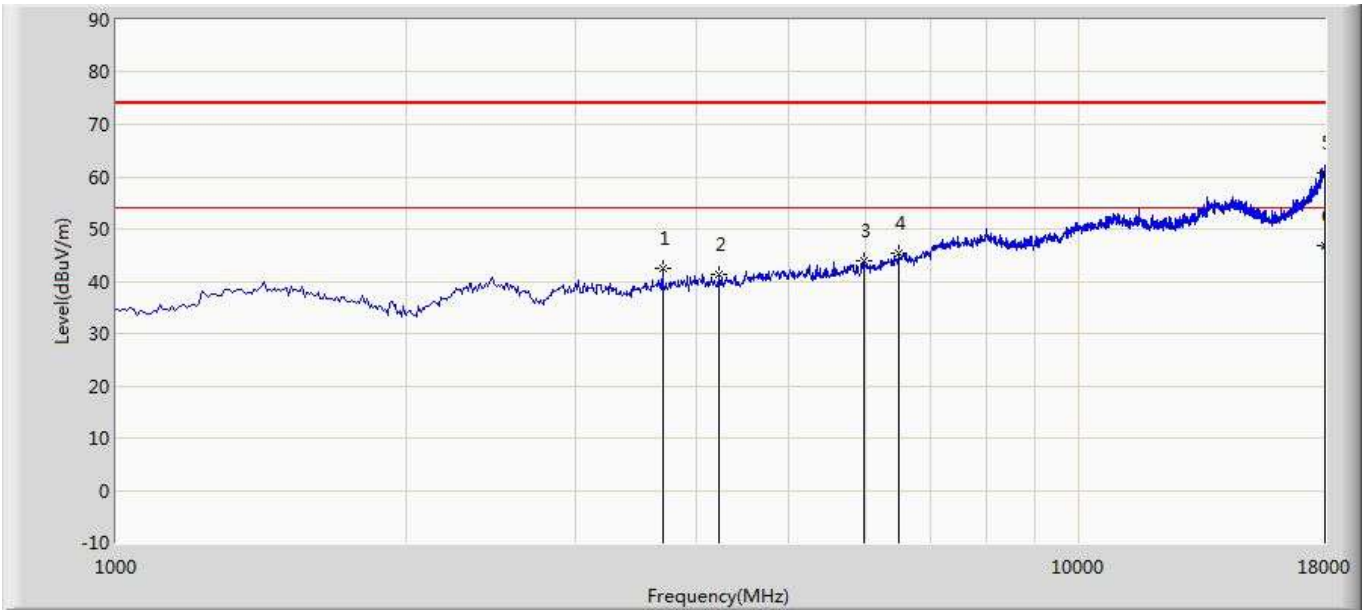
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3762.500	40.511	40.293	-13.489	54.000	0.217	PK
2			4068.500	40.969	40.359	-13.031	54.000	0.610	PK
3			5760.000	42.978	37.738	-38.522	81.500	5.240	PK
4			6618.500	46.077	37.401	-35.423	81.500	8.676	PK
5			18000.000	61.809	29.722	-12.191	74.000	32.087	PK
6			18000.000	47.027	14.940	-6.973	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: 2018/06/29 - 21:26
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	



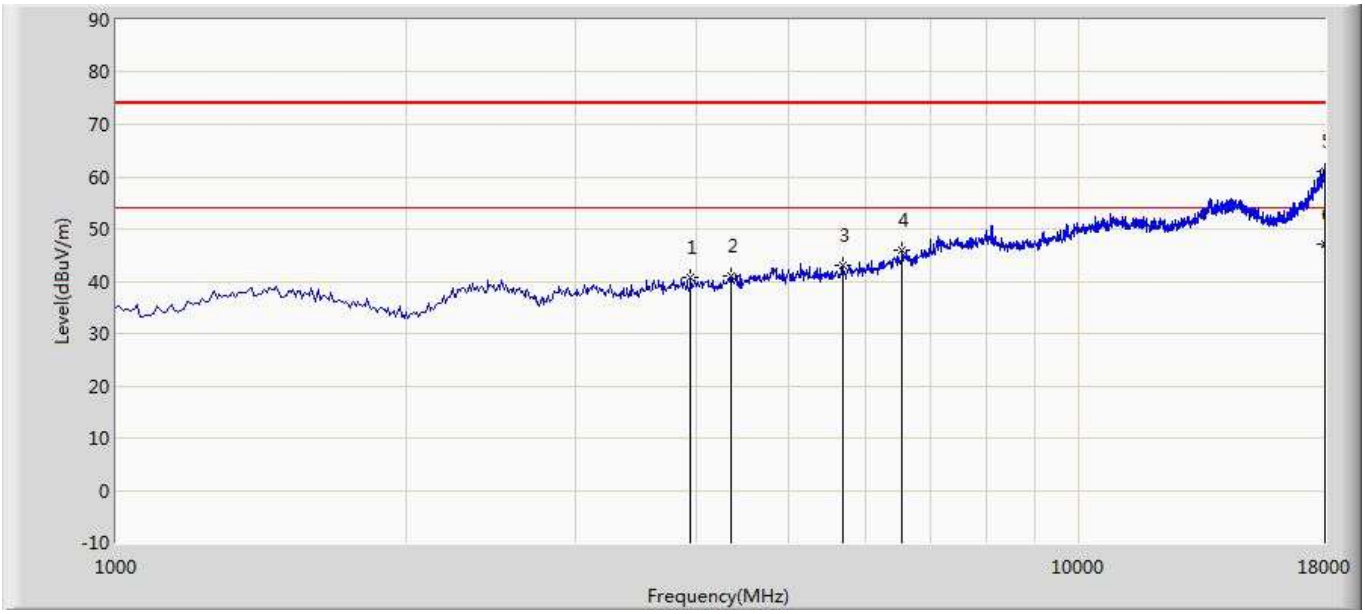
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3694.500	42.421	42.315	-11.579	54.000	0.106	PK
2			4230.000	41.438	40.174	-12.562	54.000	1.264	PK
3			5972.500	43.969	37.904	-37.531	81.500	6.065	PK
4			6499.500	45.404	37.036	-36.096	81.500	8.368	PK
5			18000.000	60.704	28.617	-13.296	74.000	32.087	PK
6		*	18000.000	46.867	14.780	-7.133	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: 2018/06/29 - 21:32
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz	



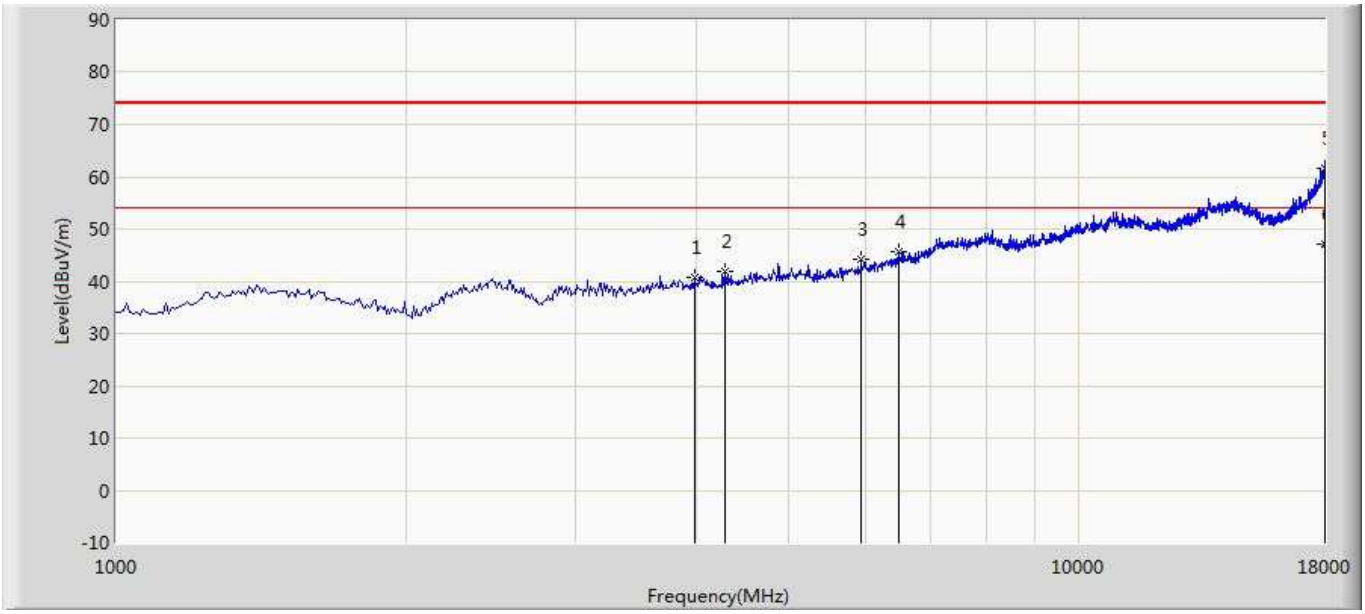
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3949.500	40.606	40.267	-13.394	54.000	0.339	PK
2			4349.000	40.912	39.115	-13.088	54.000	1.797	PK
3			5675.000	43.141	38.374	-31.859	75.000	4.767	PK
4			6550.500	45.829	37.252	-29.171	75.000	8.577	PK
5			18000.000	60.873	28.786	-13.127	74.000	32.087	PK
6			18000.000	47.057	14.970	-6.943	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: 2018/06/29 - 21:33
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz	



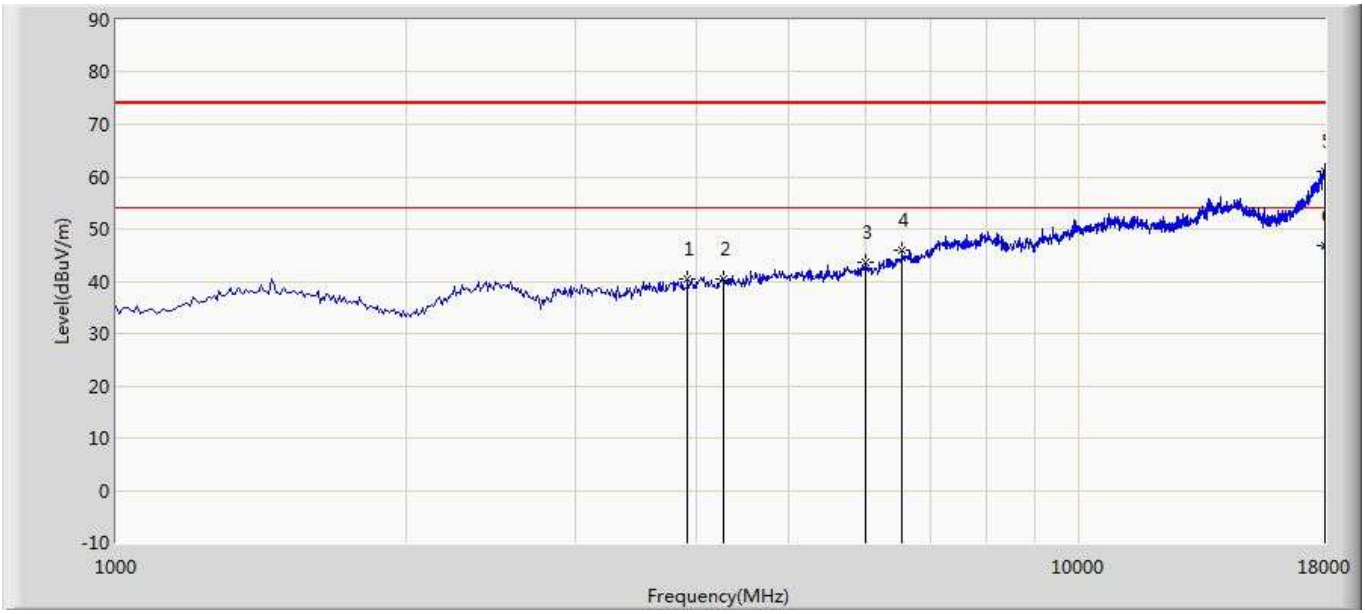
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3983.500	40.856	40.483	-13.144	54.000	0.372	PK
2			4289.500	41.939	40.413	-12.061	54.000	1.526	PK
3			5938.500	44.140	38.140	-30.860	75.000	6.000	PK
4			6491.000	45.701	37.382	-29.299	75.000	8.320	PK
5			18000.000	61.538	29.451	-12.462	74.000	32.087	PK
6		*	18000.000	47.137	15.050	-6.863	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: 2018/06/29 - 21:35
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2412MHz	



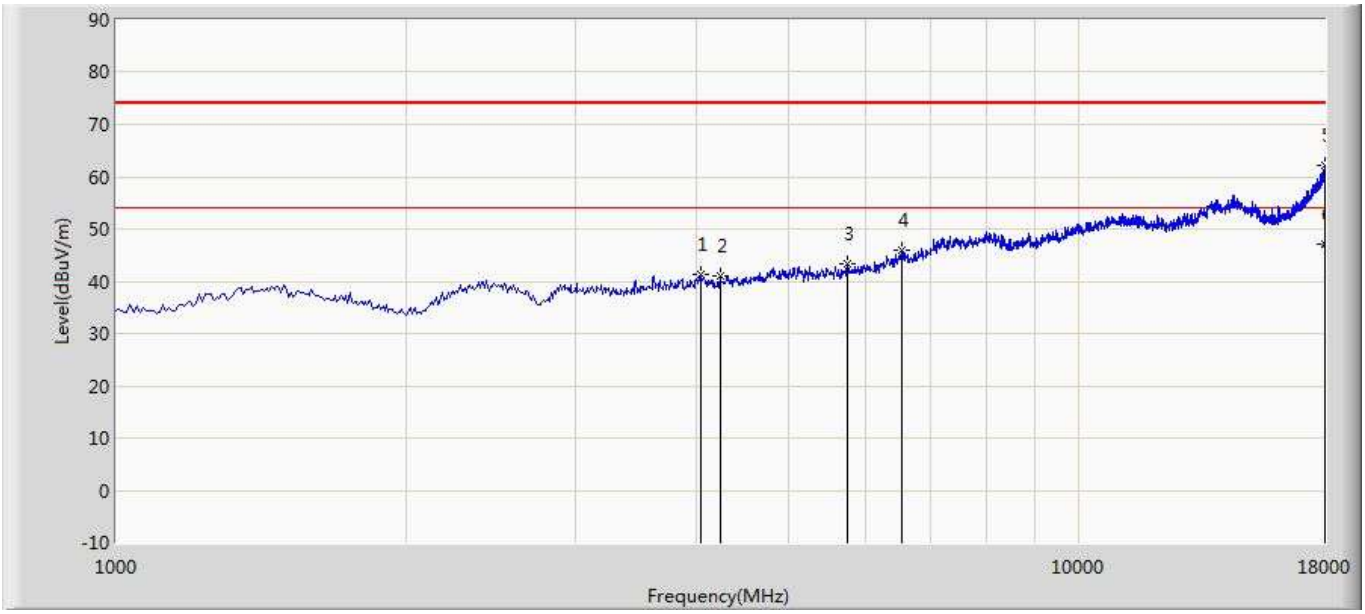
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3924.000	40.361	40.040	-13.639	54.000	0.321	PK
2		*	4281.000	40.550	39.060	-13.450	54.000	1.490	PK
3			6006.500	43.620	37.493	-35.780	79.400	6.127	PK
4			6550.500	46.021	37.444	-33.379	79.400	8.577	PK
5			18000.000	60.880	28.793	-13.120	74.000	32.087	PK
6			18000.000	46.927	14.840	-7.073	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: 2018/06/29 - 21:36
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2412MHz	



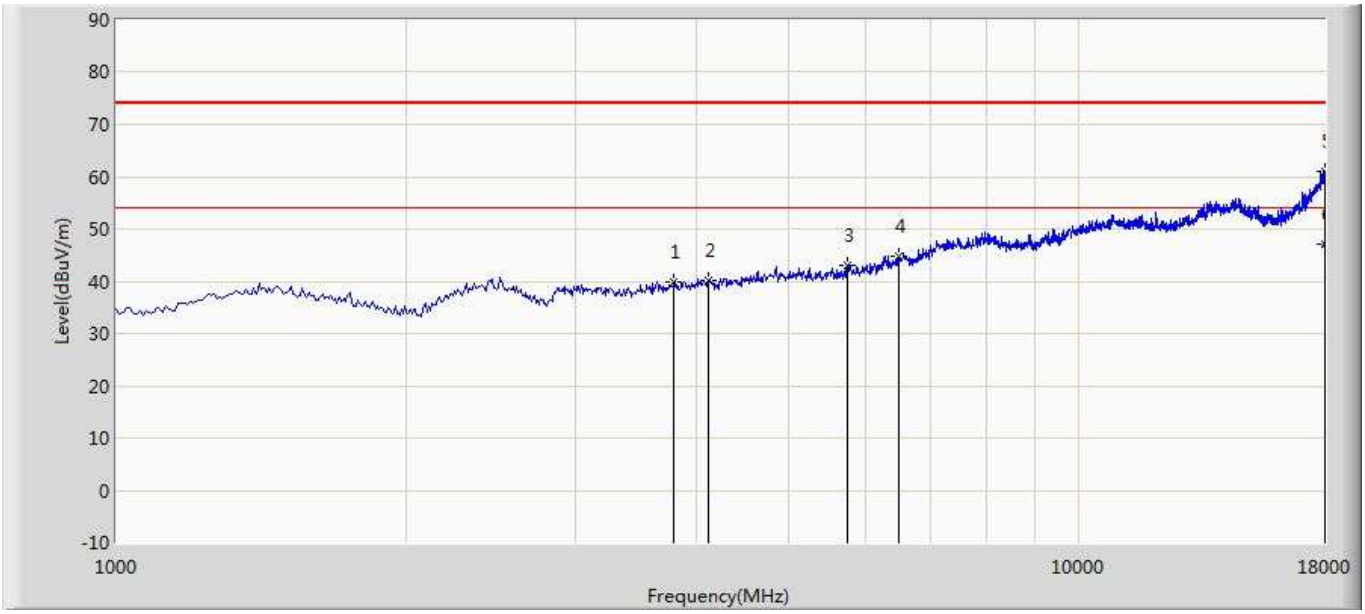
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			4043.000	41.442	40.925	-12.558	54.000	0.516	PK
2			4238.500	40.995	39.692	-13.005	54.000	1.302	PK
3			5751.500	43.356	38.164	-36.044	79.400	5.191	PK
4			6542.000	45.845	37.291	-33.555	79.400	8.554	PK
5			18000.000	62.062	29.975	-11.938	74.000	32.087	PK
6		*	18000.000	47.117	15.030	-6.883	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: 2018/06/29 - 21:46
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2452MHz	



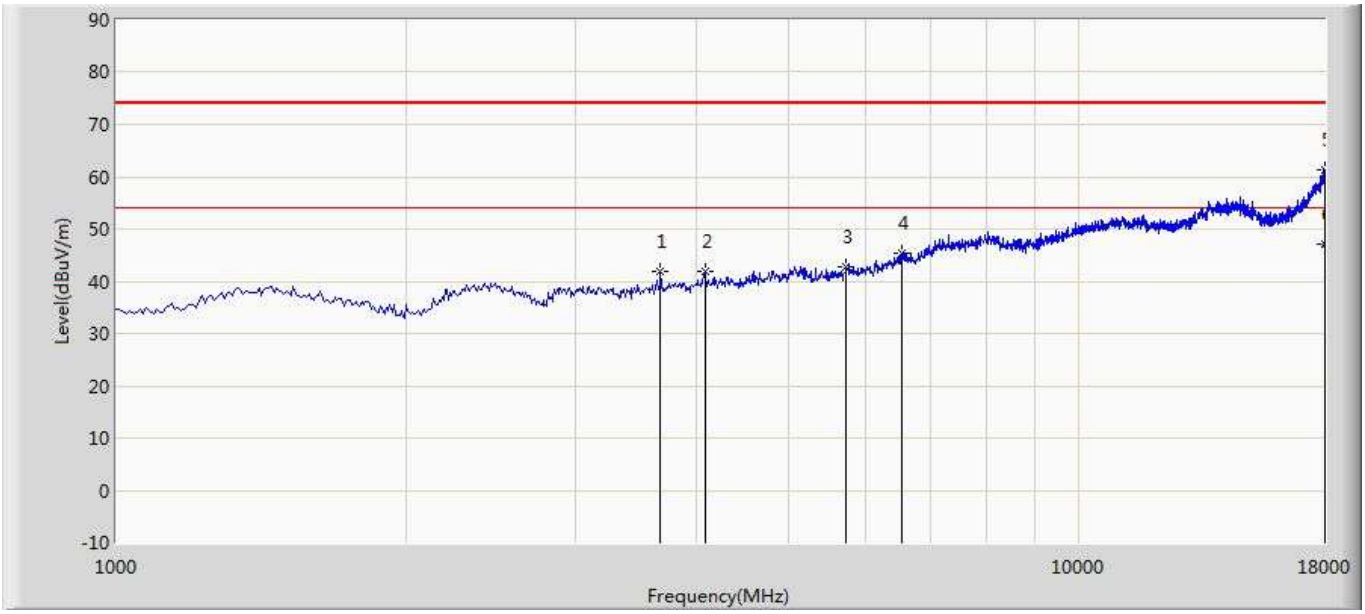
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3796.500	39.930	39.687	-14.070	54.000	0.243	PK
2			4119.500	40.213	39.402	-13.787	54.000	0.811	PK
3			5751.500	43.177	37.985	-33.523	76.700	5.191	PK
4			6491.000	44.873	36.554	-31.827	76.700	8.320	PK
5			18000.000	60.977	28.890	-13.023	74.000	32.087	PK
6		*	18000.000	47.047	14.960	-6.953	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: 2018/06/29 - 21:47
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2452MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3677.500	41.769	41.684	-12.231	54.000	0.085	PK
2			4085.500	41.754	41.077	-12.246	54.000	0.678	PK
3			5726.000	42.691	37.656	-34.009	76.700	5.036	PK
4			6533.500	45.455	36.935	-31.245	76.700	8.521	PK
5			18000.000	61.368	29.281	-12.632	74.000	32.087	PK
6		*	18000.000	47.107	15.020	-6.893	54.000	32.087	AV

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

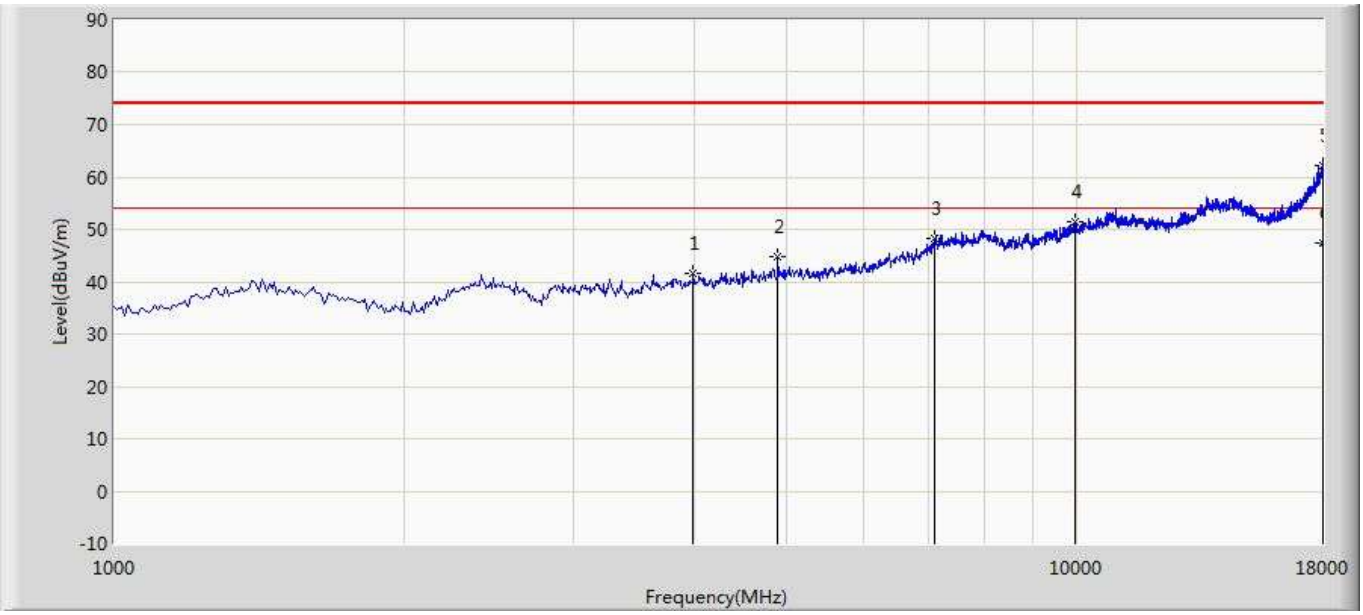
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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.

2.4 GHz Wi-Fi Parts

Directional Antenna (AP-ANT-48)

Site: AC1	Time: 2018/06/28 - 04:40
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	



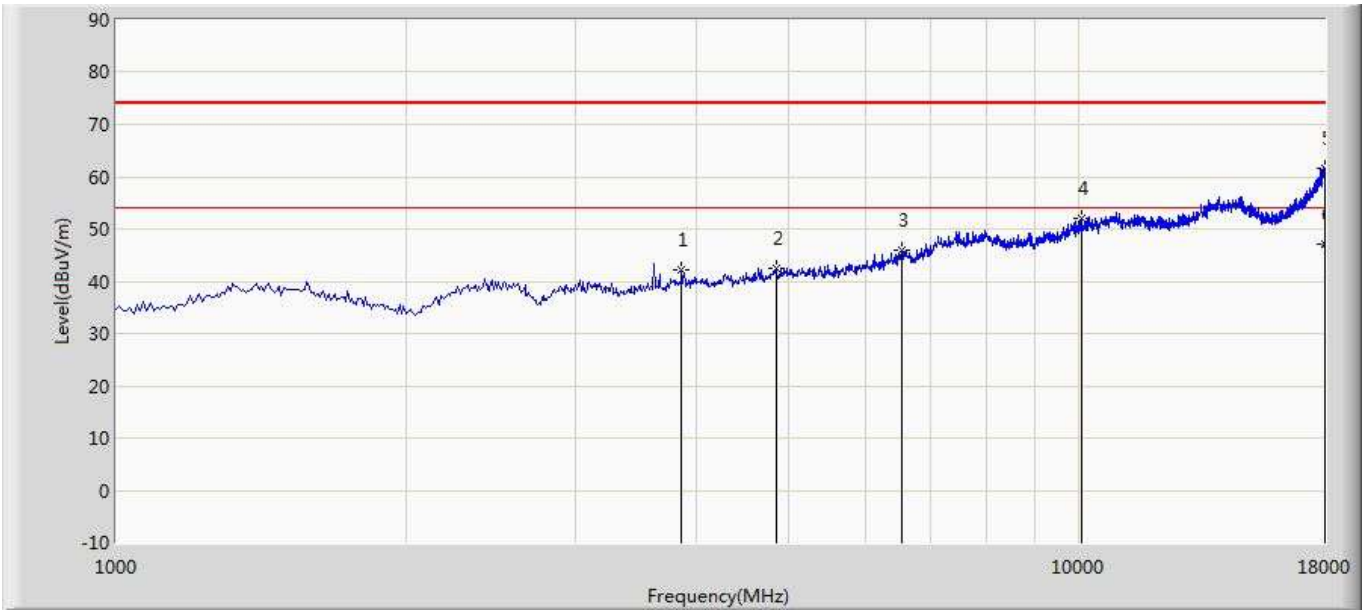
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3992.000	41.611	41.230	-12.389	54.000	0.381	PK
2			4893.000	44.849	41.196	-9.151	54.000	3.653	PK
3			7120.000	48.372	36.761	-34.528	82.900	11.611	PK
4			9967.500	51.345	36.003	-31.555	82.900	15.342	PK
5			18000.000	62.220	30.133	-11.780	74.000	32.087	PK
6			18000.000	47.327	15.240	-6.673	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: 2018/06/28 - 04:48
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	



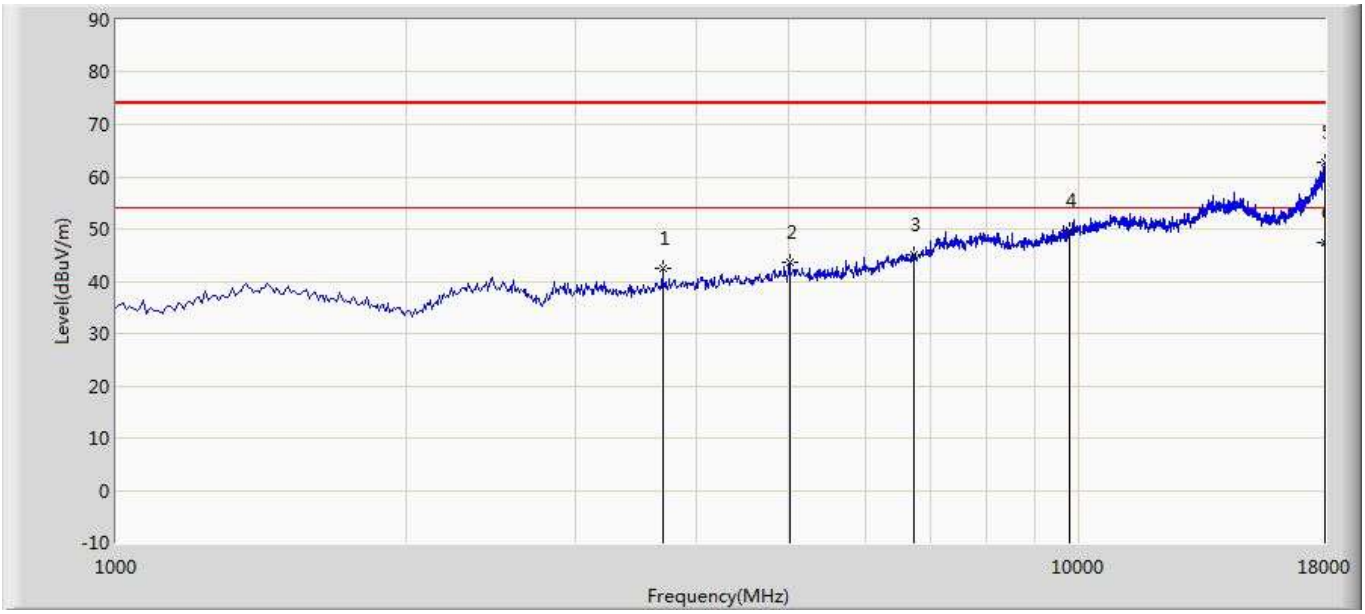
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3864.500	42.035	41.731	-11.965	54.000	0.304	PK
2			4842.000	42.472	38.801	-11.528	54.000	3.671	PK
3			6533.500	45.837	37.317	-37.063	82.900	8.521	PK
4			10044.000	51.996	36.502	-30.904	82.900	15.494	PK
5			18000.000	61.642	29.555	-12.358	74.000	32.087	PK
6			18000.000	47.107	15.020	-6.893	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: 2018/06/28 - 04:59
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	



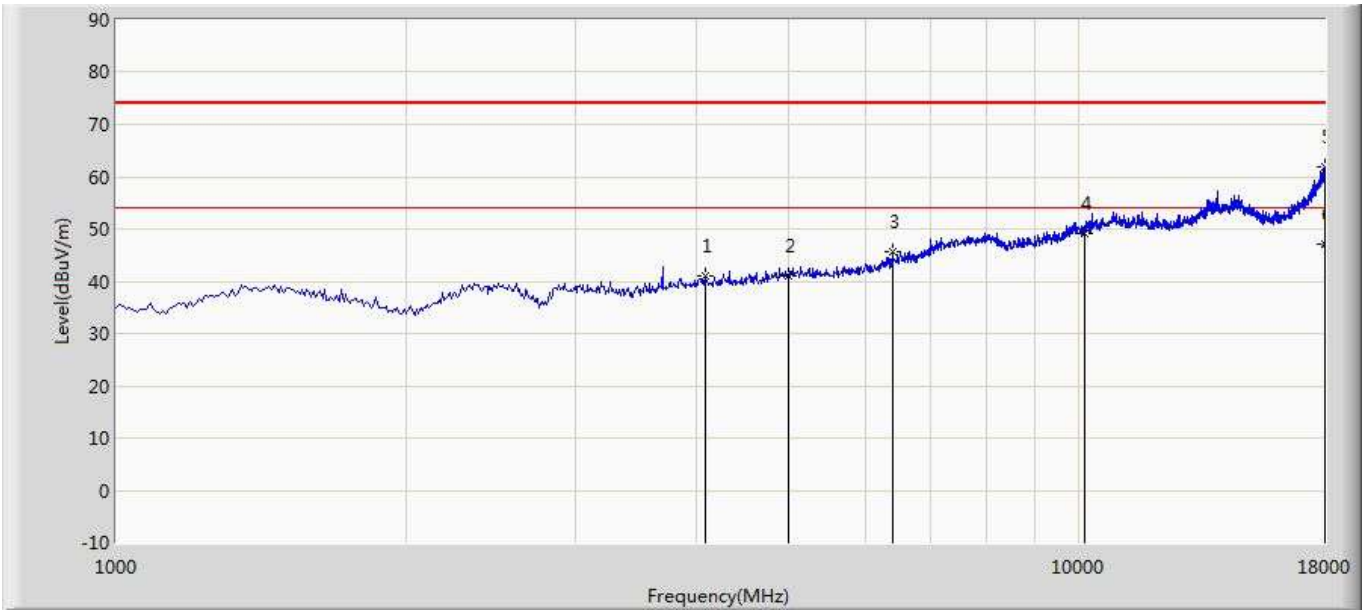
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3694.500	42.436	42.330	-11.564	54.000	0.106	PK
2			5003.500	43.642	39.808	-10.358	54.000	3.834	PK
3			6729.000	45.150	36.409	-36.750	81.900	8.741	PK
4			9772.000	49.588	34.689	-32.312	81.900	14.899	PK
5			18000.000	62.744	30.657	-11.256	74.000	32.087	PK
6			18000.000	47.327	15.240	-6.673	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: 2018/06/28 - 05:00
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	



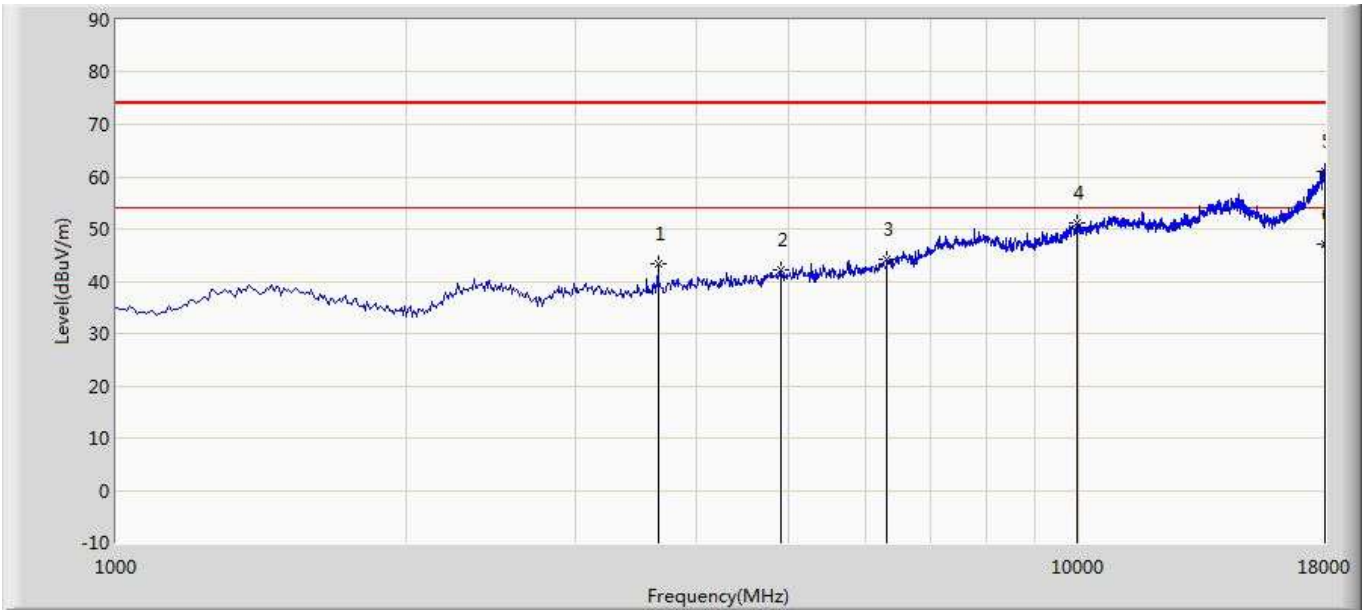
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			4085.500	41.021	40.344	-12.979	54.000	0.678	PK
2			4986.500	41.070	37.293	-12.930	54.000	3.776	PK
3			6397.500	45.554	37.870	-36.346	81.900	7.683	PK
4			10120.500	49.194	33.364	-32.706	81.900	15.829	PK
5			18000.000	61.767	29.680	-12.233	74.000	32.087	PK
6		*	18000.000	47.037	14.950	-6.963	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: 2018/06/28 - 05:04
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2437MHz	



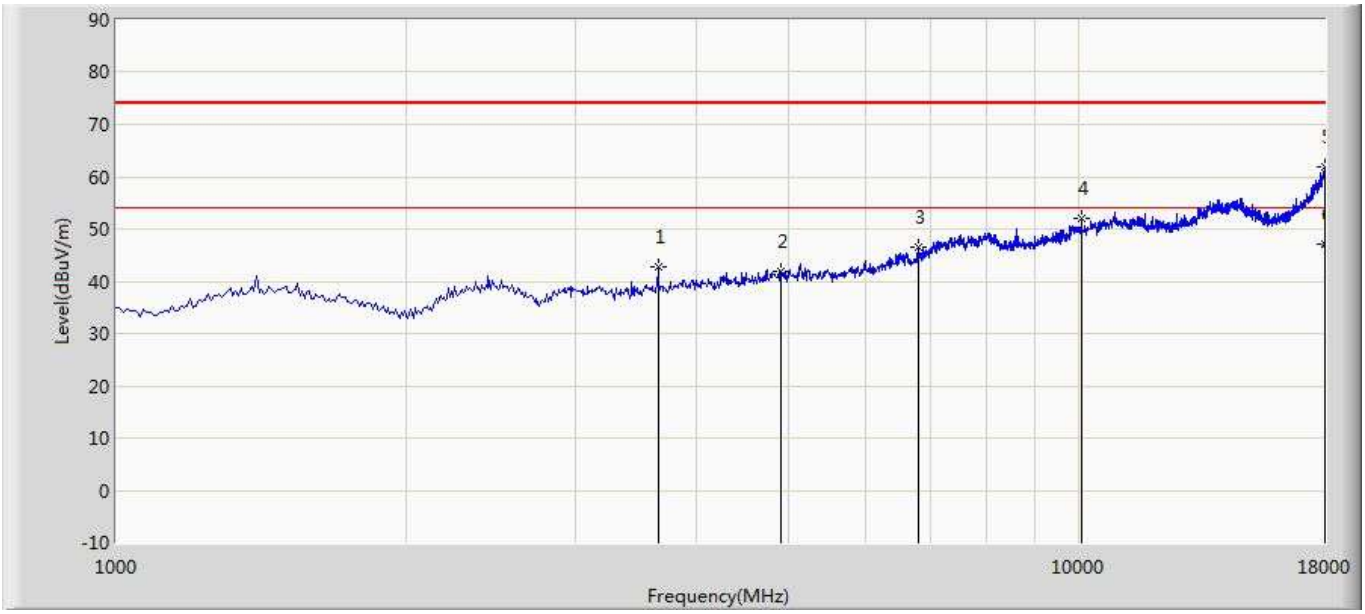
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3652.000	43.417	43.363	-10.583	54.000	0.054	PK
2			4901.500	42.056	38.404	-11.944	54.000	3.652	PK
3			6321.000	44.163	36.878	-37.937	82.100	7.284	PK
4			9942.000	51.263	35.947	-30.837	82.100	15.316	PK
5			18000.000	61.124	29.037	-12.876	74.000	32.087	PK
6			18000.000	47.067	14.980	-6.933	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: 2018/06/28 - 05:05
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2437MHz	



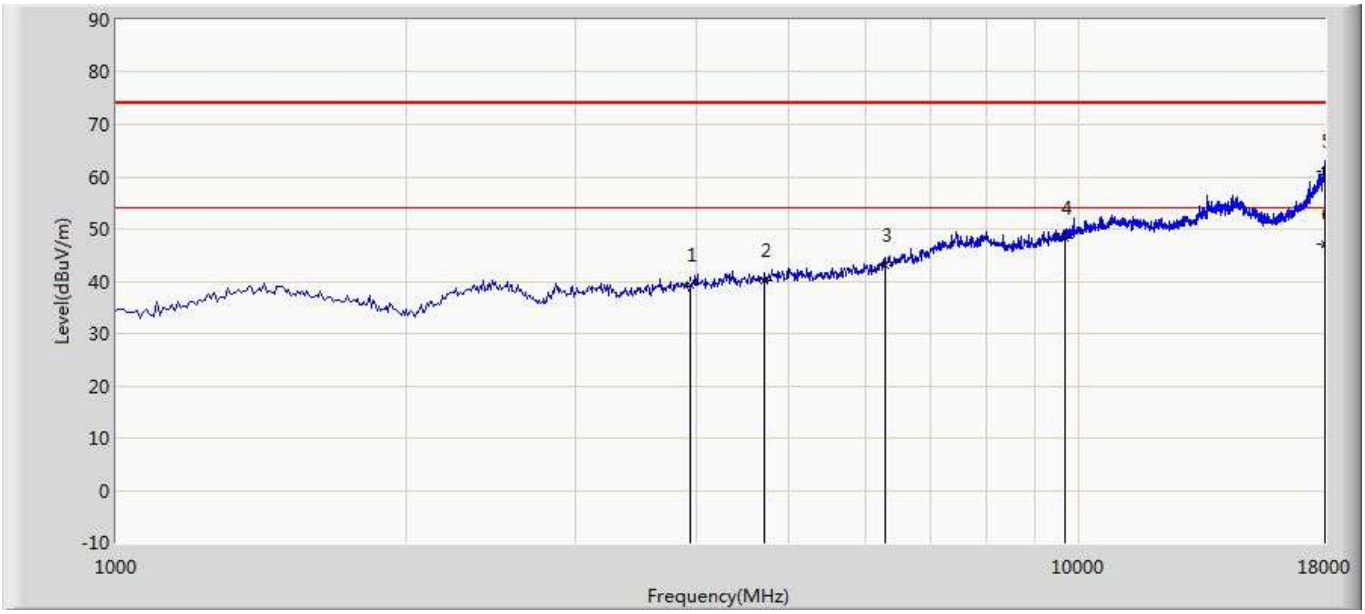
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3652.000	42.679	42.625	-11.321	54.000	0.054	PK
2			4901.500	42.000	38.348	-12.000	54.000	3.652	PK
3			6805.500	46.495	37.405	-35.605	82.100	9.089	PK
4			10061.000	52.027	36.470	-30.073	82.100	15.557	PK
5			18000.000	61.783	29.696	-12.217	74.000	32.087	PK
6		*	18000.000	47.037	14.950	-6.963	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: 2018/06/28 - 05:12
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz	



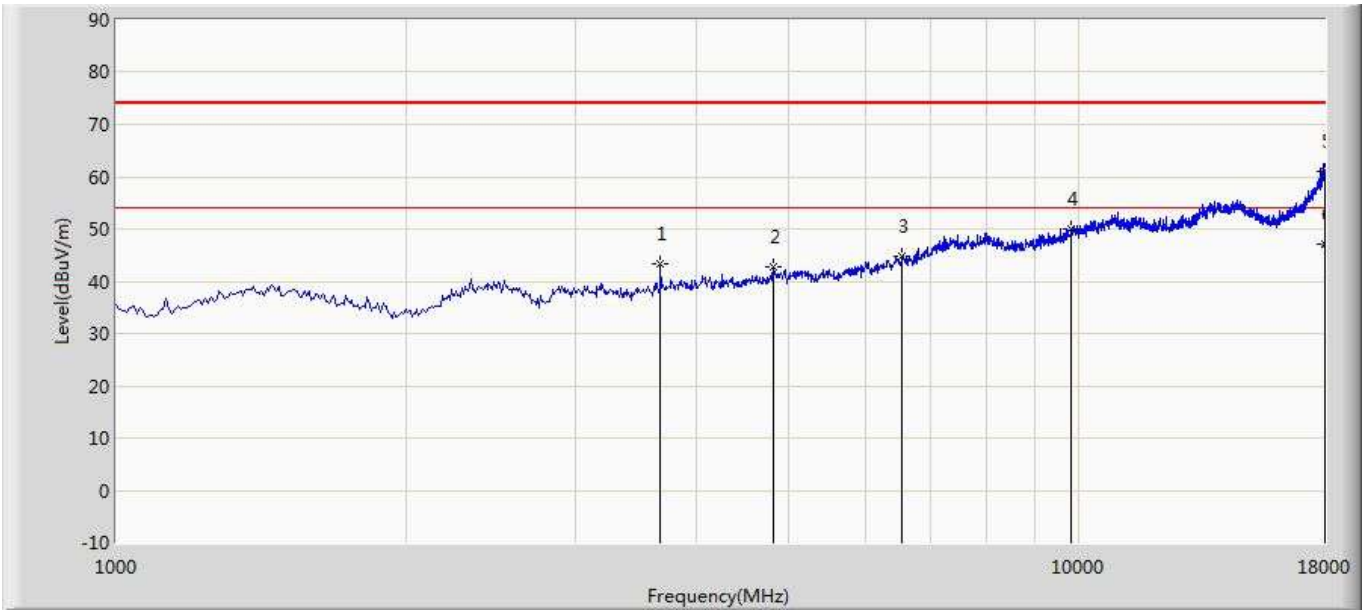
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	3949.500	39.288	38.949	-14.712	54.000	0.339	PK
2			4706.000	40.255	36.676	-13.745	54.000	3.579	PK
3			6295.500	43.180	36.012	-33.820	77.000	7.168	PK
4			9678.500	48.214	33.657	-28.786	77.000	14.557	PK
5			18000.000	61.141	29.054	-12.859	74.000	32.087	PK
6			18000.000	47.027	14.940	-6.973	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: 2018/06/28 - 05:13
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz	



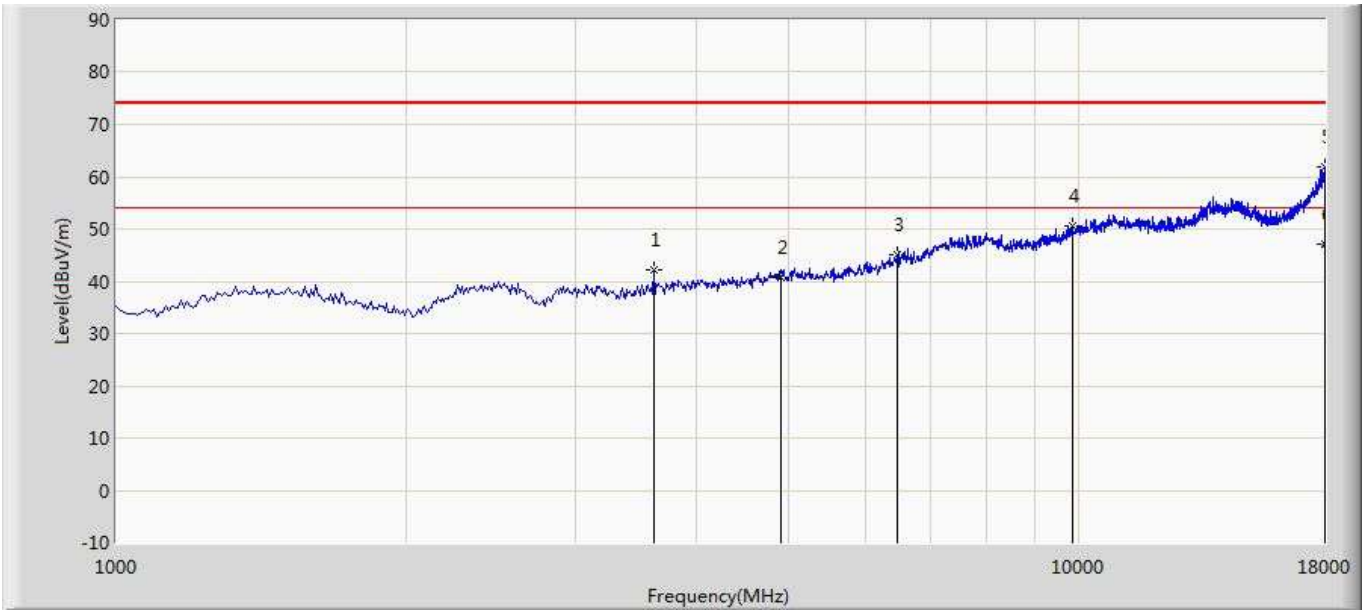
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3677.500	43.293	43.208	-10.707	54.000	0.085	PK
2			4816.500	42.747	39.070	-11.253	54.000	3.677	PK
3			6542.000	44.689	36.135	-32.311	77.000	8.554	PK
4			9806.000	50.112	34.930	-26.888	77.000	15.182	PK
5			18000.000	60.981	28.894	-13.019	74.000	32.087	PK
6		*	18000.000	46.957	14.870	-7.043	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: 2018/06/28 - 05:14
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2412MHz	



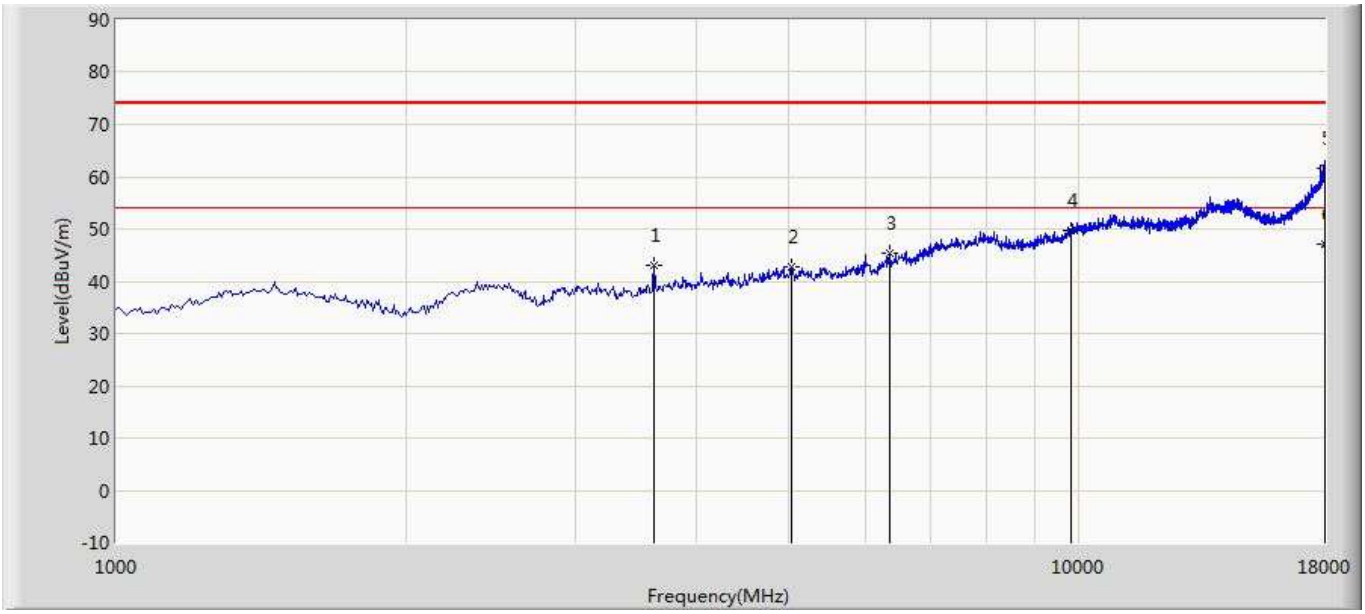
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3618.000	42.248	42.270	-11.752	54.000	-0.022	PK
2		*	4901.500	40.779	37.127	-13.221	54.000	3.652	PK
3			6474.000	45.145	36.947	-38.755	83.900	8.198	PK
4			9831.500	50.702	34.851	-33.198	83.900	15.851	PK
5			18000.000	61.949	29.862	-12.051	74.000	32.087	PK
6			18000.000	47.017	14.930	-6.983	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: 2018/06/28 - 05:15
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2412MHz	



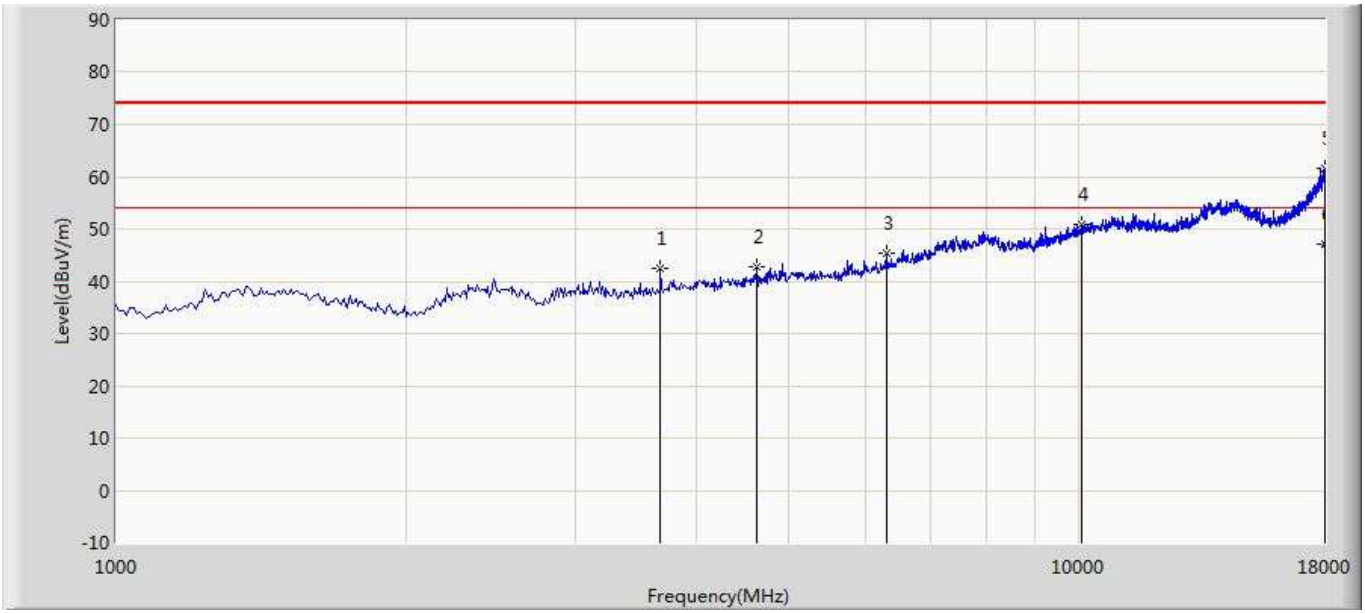
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3618.000	42.904	42.926	-11.096	54.000	-0.022	PK
2			5020.500	42.852	38.957	-11.148	54.000	3.895	PK
3			6355.000	45.232	37.781	-38.668	83.900	7.451	PK
4			9823.000	49.643	34.015	-34.257	83.900	15.628	PK
5			18000.000	61.523	29.436	-12.477	74.000	32.087	PK
6		*	18000.000	47.097	15.010	-6.903	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: 2018/06/28 - 05:23
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2452MHz	



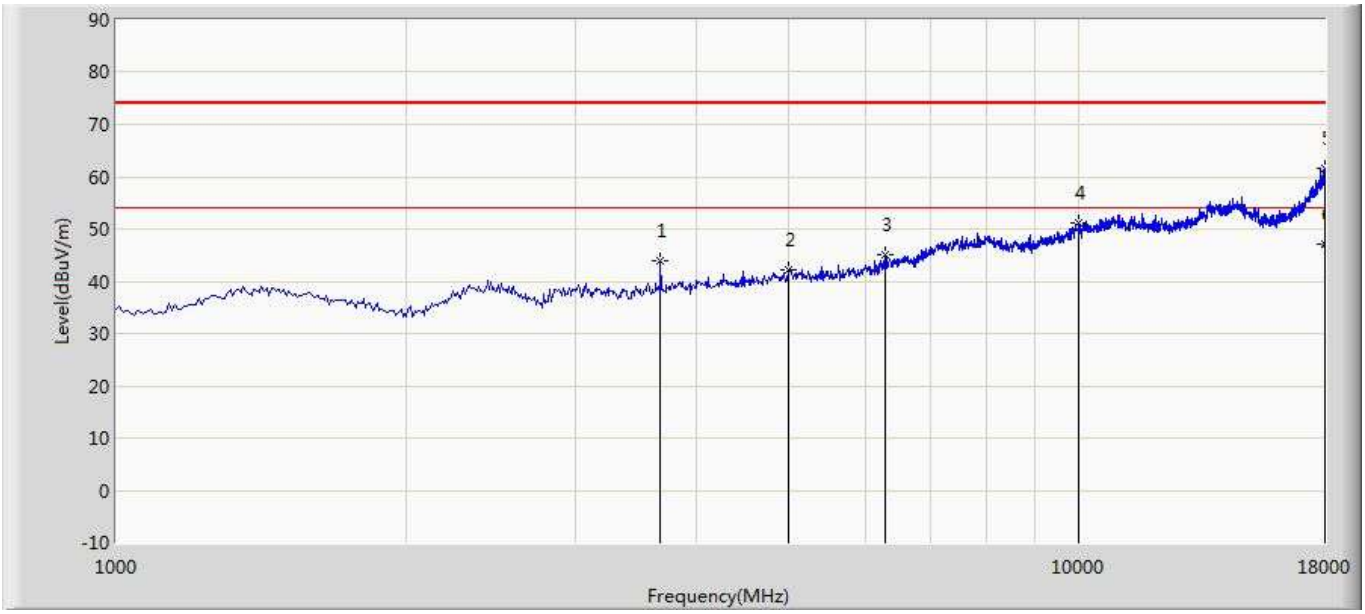
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3677.500	42.399	42.314	-11.601	54.000	0.085	PK
2			4629.500	42.791	39.486	-11.209	54.000	3.305	PK
3			6304.000	45.352	38.149	-33.748	79.100	7.202	PK
4			10061.000	51.014	35.457	-28.086	79.100	15.557	PK
5			18000.000	61.496	29.409	-12.504	74.000	32.087	PK
6		*	18000.000	47.107	15.020	-6.893	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: 2018/06/28 - 05:24
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2452MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3677.500	44.043	43.958	-9.957	54.000	0.085	PK
2			4995.000	42.048	38.244	-11.952	54.000	3.804	PK
3			6295.500	45.138	37.970	-33.962	79.100	7.168	PK
4			10001.500	51.295	35.914	-27.805	79.100	15.380	PK
5			18000.000	61.729	29.642	-12.271	74.000	32.087	PK
6		*	18000.000	47.067	14.980	-6.933	54.000	32.087	AV

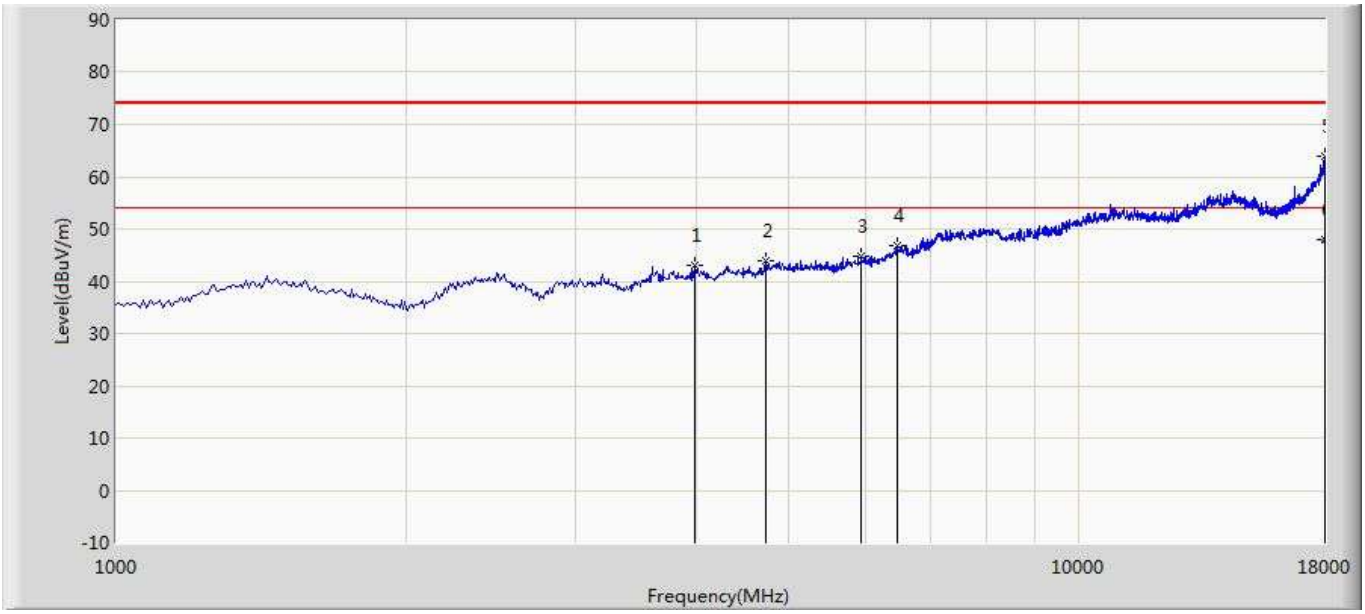
Note1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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.

2.4GHz Bluetooth Part

Site: AC1	Time: 2018/07/07 - 20:13
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by BLE at Channel 2402MHz	



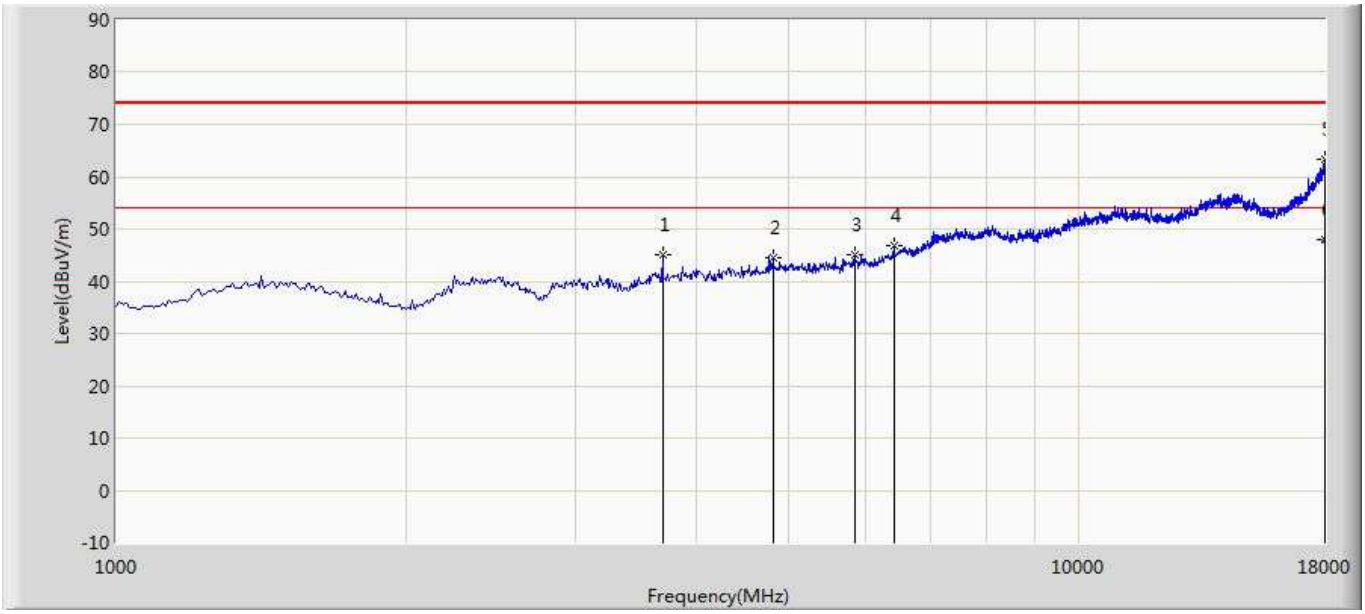
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3983.500	43.031	42.658	-10.969	54.000	0.372	PK
2			4723.000	43.855	40.244	-10.145	54.000	3.611	PK
3			5938.500	44.894	38.894	-34.706	79.600	6.000	PK
4			6465.500	46.697	38.561	-32.903	79.600	8.136	PK
5			18000.000	63.898	31.811	-10.102	74.000	32.087	PK
6			18000.000	47.827	15.740	-6.173	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: 2018/07/07 - 20:16
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by BLE at Channel 2402MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3694.500	44.983	44.877	-9.017	54.000	0.106	PK
2			4808.000	44.589	40.909	-9.411	54.000	3.679	PK
3			5845.000	45.157	39.452	-34.443	79.600	5.705	PK
4			6423.000	46.801	38.955	-32.799	79.600	7.845	PK
5			18000.000	63.311	31.224	-10.689	74.000	32.087	PK
6		*	18000.000	47.957	15.870	-6.043	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: 2018/07/07 - 20:05
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by BLE at Channel 2480MHz	

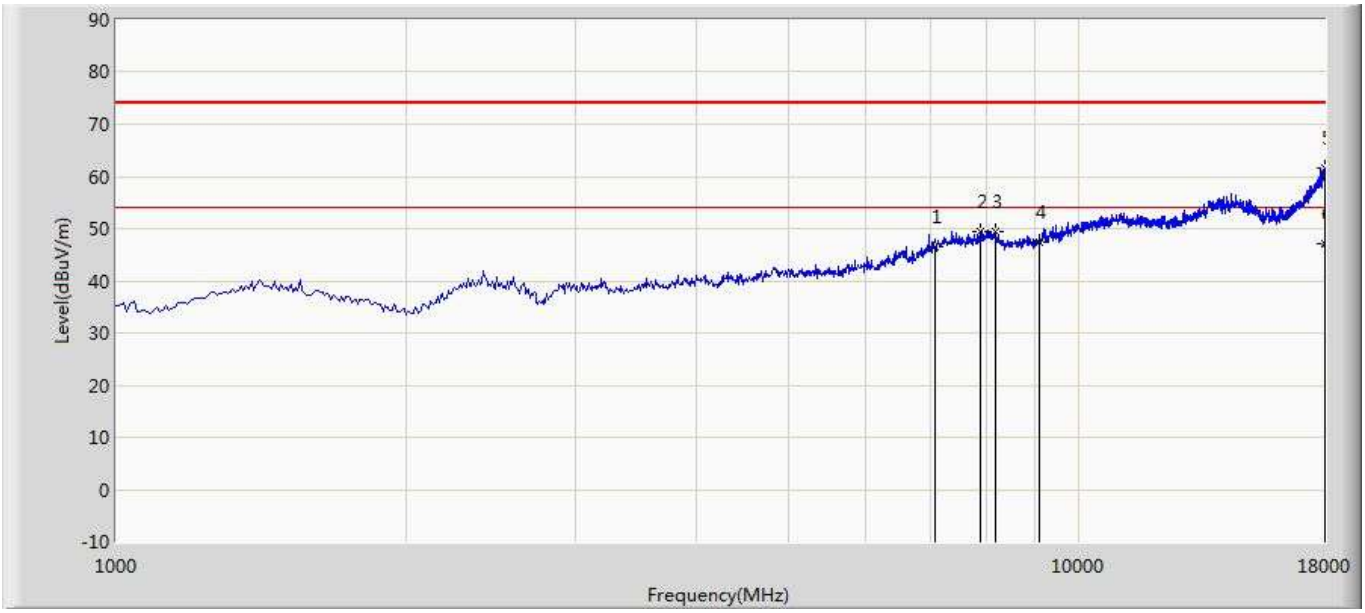
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.079	98.111	65.541	N/A	N/A	32.570	AV
2			2483.500	48.089	15.508	-5.911	54.000	32.580	AV
3			2495.028	51.083	18.468	-2.917	54.000	32.615	AV

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

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

2.4GHz ZigBee Part

Site: AC1	Time: 2018/06/23 - 15:00
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by ZigBee at Channel 2405MHz	



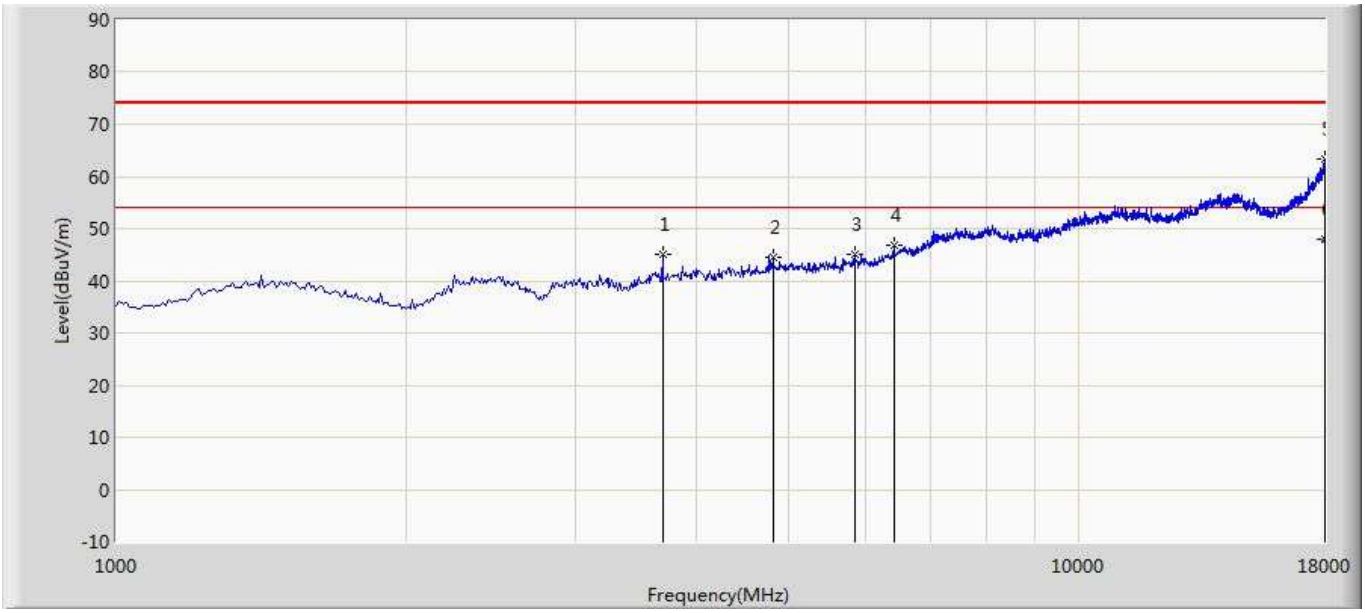
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7077.500	46.562	35.298	-35.138	81.700	11.264	PK
2			7893.500	49.485	37.071	-32.215	81.700	12.414	PK
3			8199.500	49.398	37.448	-4.602	54.000	11.951	PK
4			9100.500	47.297	32.870	-6.703	54.000	14.426	PK
5			18000.000	61.547	29.460	-12.453	74.000	32.087	PK
6			18000.000	47.107	15.020	-6.893	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: 2018/06/23 - 15:02
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by ZigBee at Channel 2405MHz	



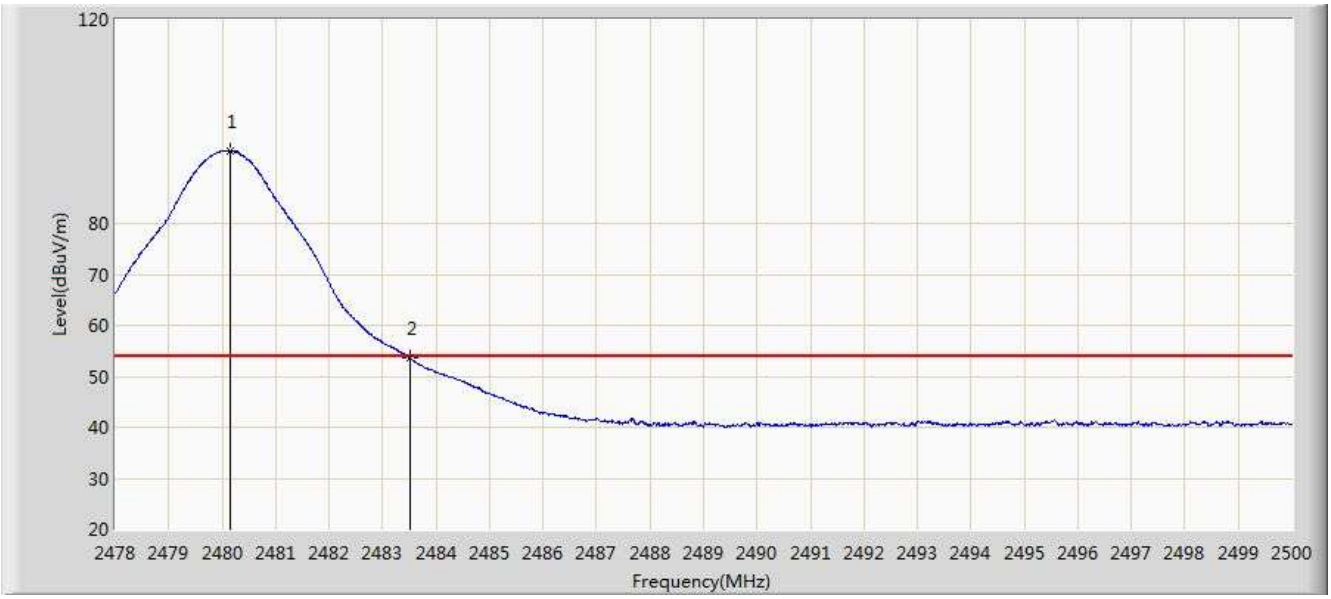
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7077.500	48.173	36.909	-33.527	81.700	11.264	PK
2			7910.500	49.658	37.232	-32.042	81.700	12.426	PK
3			8199.500	49.030	37.080	-4.970	54.000	11.951	PK
4			9083.500	48.455	34.105	-5.545	54.000	14.350	PK
5			18000.000	62.592	30.505	-11.408	74.000	32.087	PK
6		*	18000.000	47.867	15.780	-6.133	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: 2018/07/29 - 12:05
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by ZigBee at Channel 2480MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.145	94.251	61.681	N/A	N/A	32.570	AV
2			2483.500	53.562	20.981	-0.438	54.000	32.580	AV

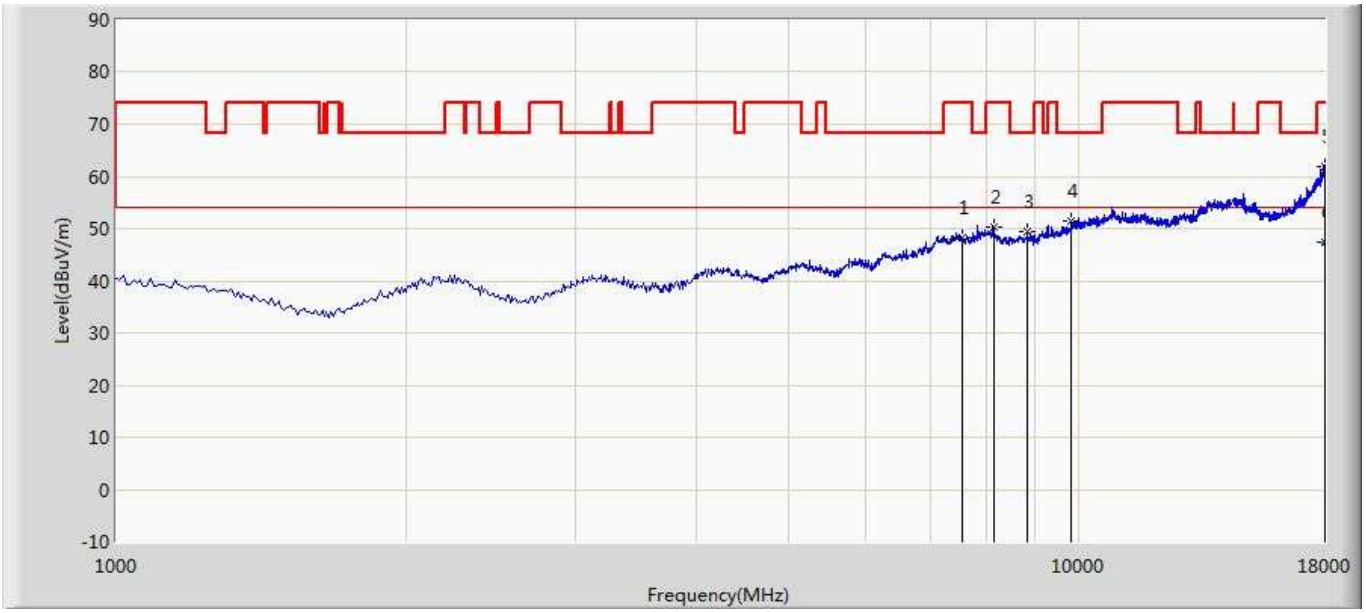
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

5 GHz Wi-Fi Parts

Omni Antenna (AP-ANT-20W)

Site: AC1	Time: 2018/06/24 - 12:31
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5220MHz	



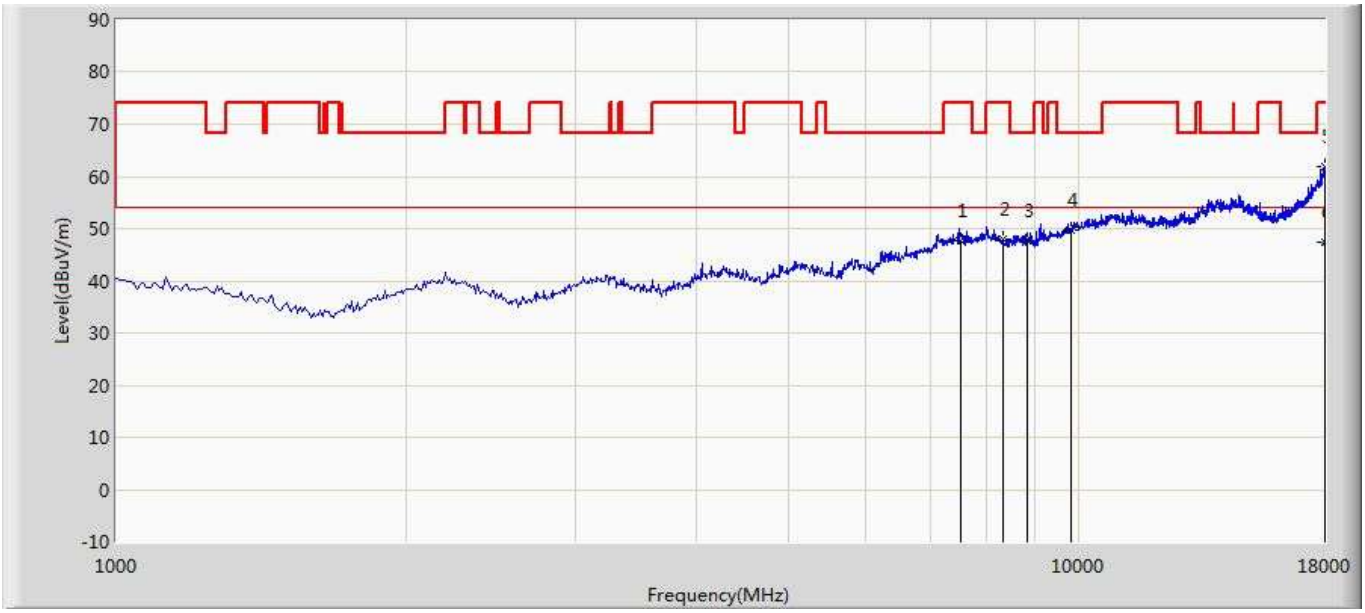
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7570.500	48.373	35.607	-5.627	54	12.766	PK
2			8148.500	50.296	38.173	-3.704	54	12.123	PK
3			8828.500	49.341	35.338	-18.859	68.200	14.003	PK
4			9814.500	51.341	35.936	-16.859	68.200	15.405	PK
5			18000.000	61.957	29.870	-12.043	74.000	32.087	PK
6		*	18000.000	47.452	15.365	-6.548	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: 2018/06/24 - 12:32
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5220MHz	



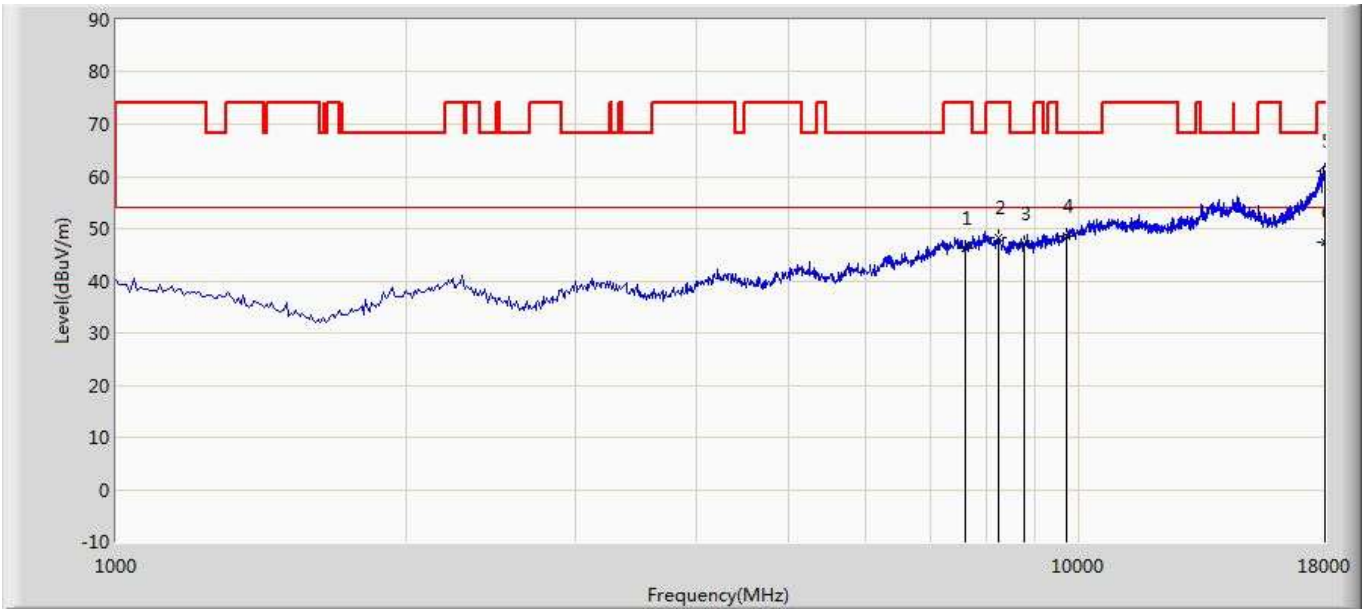
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7536.500	47.588	34.754	-6.412	54	12.834	PK
2			8344.000	47.861	35.902	-6.139	54	11.959	PK
3			8845.500	47.712	33.682	-20.488	68.200	14.029	PK
4			9814.500	49.627	34.222	-18.573	68.200	15.405	PK
5			18000.000	61.744	29.657	-12.256	74.000	32.087	PK
6		*	18000.000	47.301	15.214	-6.699	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: 2018/06/24 - 13:24
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz	



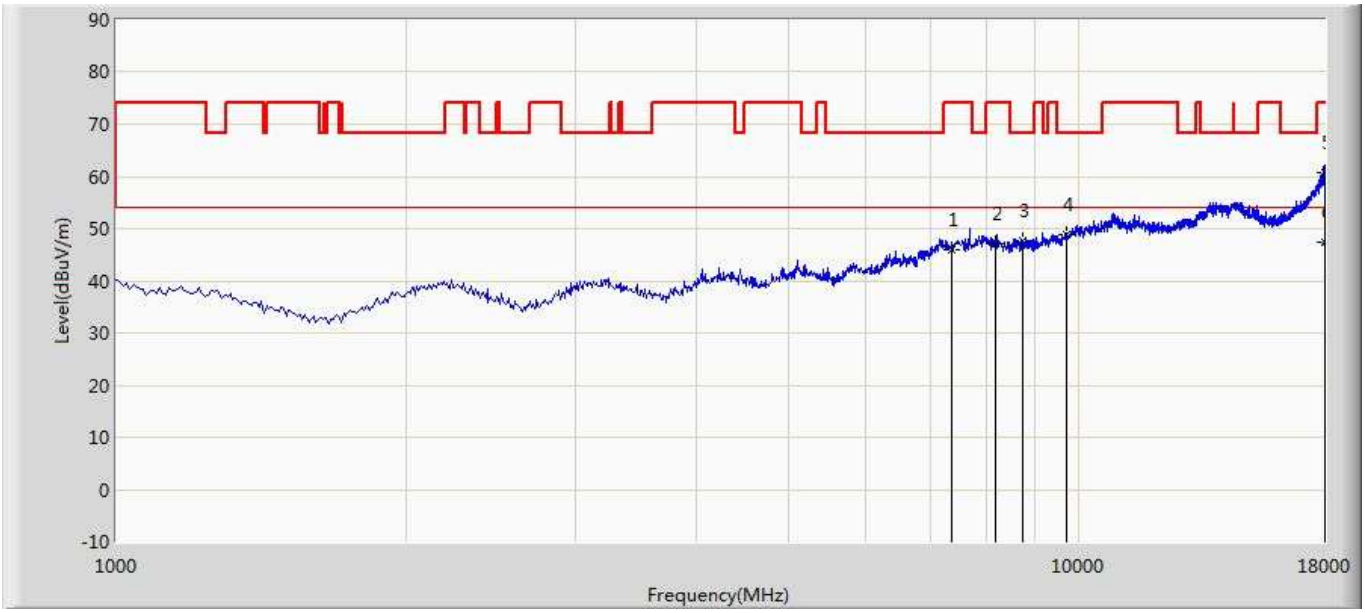
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7604.500	46.285	33.620	-7.715	54.000	12.665	PK
2			8242.000	48.314	36.439	-5.686	54.000	11.875	PK
3			8769.000	47.207	33.283	-20.993	68.200	13.924	PK
4			9721.000	48.433	33.728	-19.767	68.200	14.705	PK
5			18000.000	60.911	28.824	-13.089	74.000	32.087	PK
6		*	18000.000	47.423	15.336	-6.577	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: 2018/06/24 - 13:25
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz	



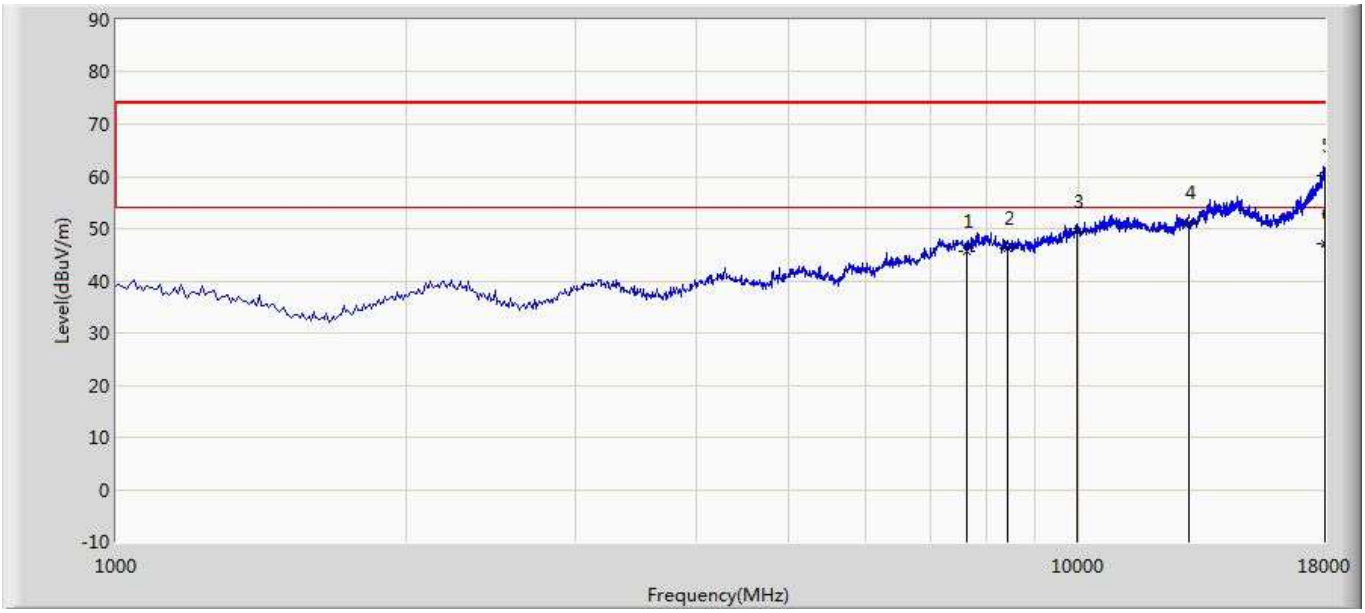
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7366.500	46.075	33.608	-7.925	54.000	12.467	PK
2			8199.500	47.063	35.113	-6.937	54.000	11.951	PK
3			8735.000	47.670	33.808	-20.530	68.200	13.862	PK
4			9721.000	48.719	34.014	-19.481	68.200	14.705	PK
5			18000.000	60.756	28.669	-13.244	74.000	32.087	PK
6		*	18000.000	47.274	15.187	-6.726	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: 2018/06/24 - 11:47
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz	



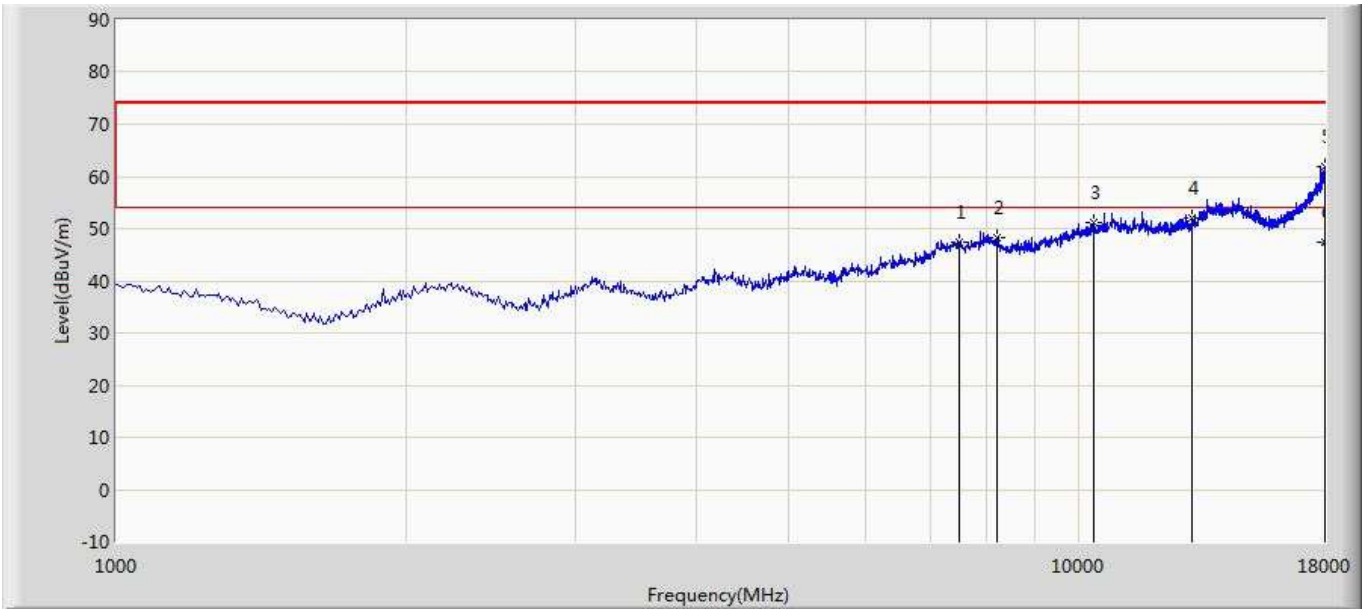
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7638.500	45.585	33.021	-8.415	54.000	12.564	PK
2			8429.000	46.207	33.842	-7.793	54.000	12.365	PK
3			9942.000	49.422	34.106	-18.778	68.200	15.316	PK
4			13002.000	51.056	31.192	-17.144	68.200	19.864	PK
5			18000.000	60.250	28.163	-13.750	74.000	32.087	PK
6		*	18000.000	47.137	15.050	-6.863	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: 2018/06/24 - 11:49
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz	



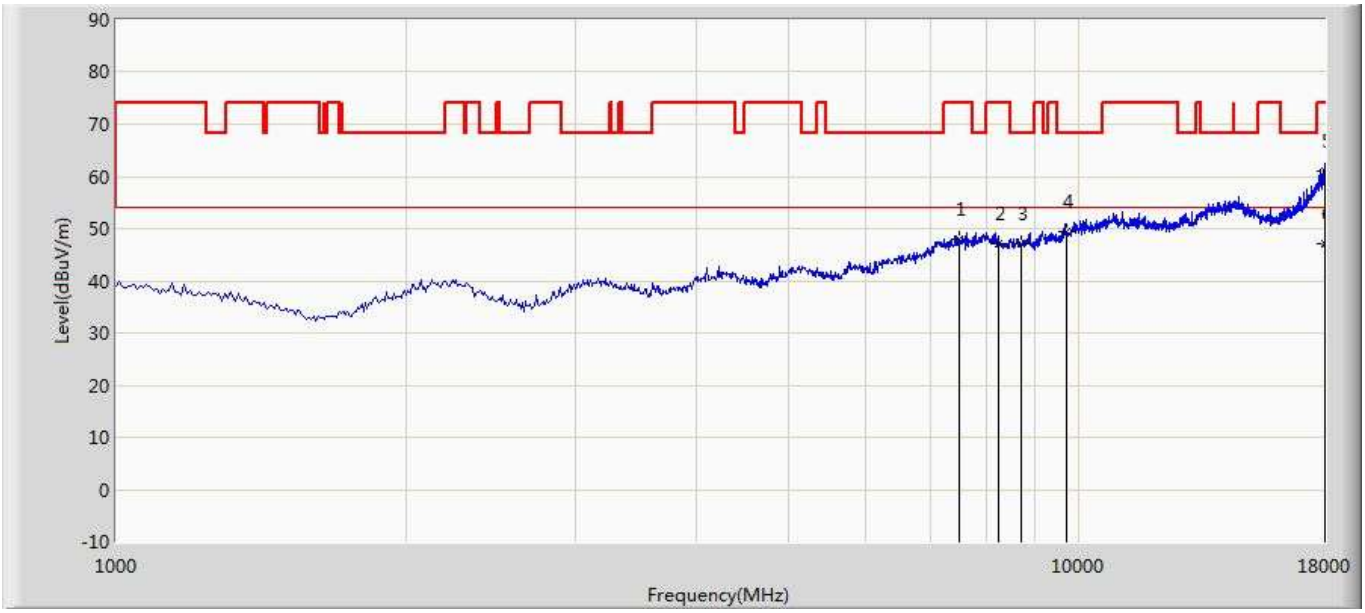
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7502.500	47.429	34.584	-6.571	54.000	12.845	PK
2			8216.500	48.368	36.453	-5.632	54.000	11.915	PK
3			10341.500	51.103	34.357	-17.097	68.200	16.747	PK
4			13095.500	51.891	31.817	-16.309	68.200	20.074	PK
5			18000.000	61.872	29.785	-12.128	74.000	32.087	PK
6		*	18000.000	47.445	15.358	-6.555	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: 2018/06/24 - 14:19
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz	



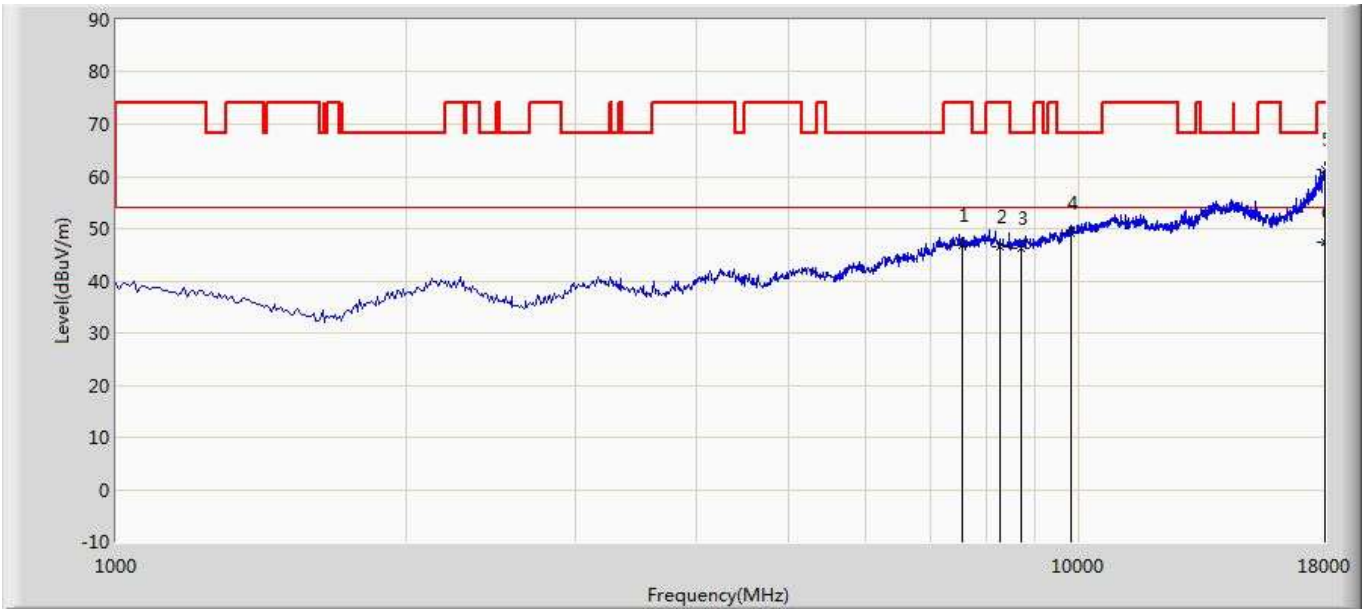
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7502.500	47.845	35.000	-6.155	54.000	12.845	PK
2			8242.000	47.063	35.188	-6.937	54.000	11.875	PK
3			8692.500	47.041	33.315	-21.159	68.200	13.726	PK
4			9721.000	49.542	34.837	-18.658	68.200	14.705	PK
5			18000.000	61.039	28.952	-12.961	74.000	32.087	PK
6		*	18000.000	47.199	15.112	-6.801	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: 2018/06/24 - 14:21
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz	



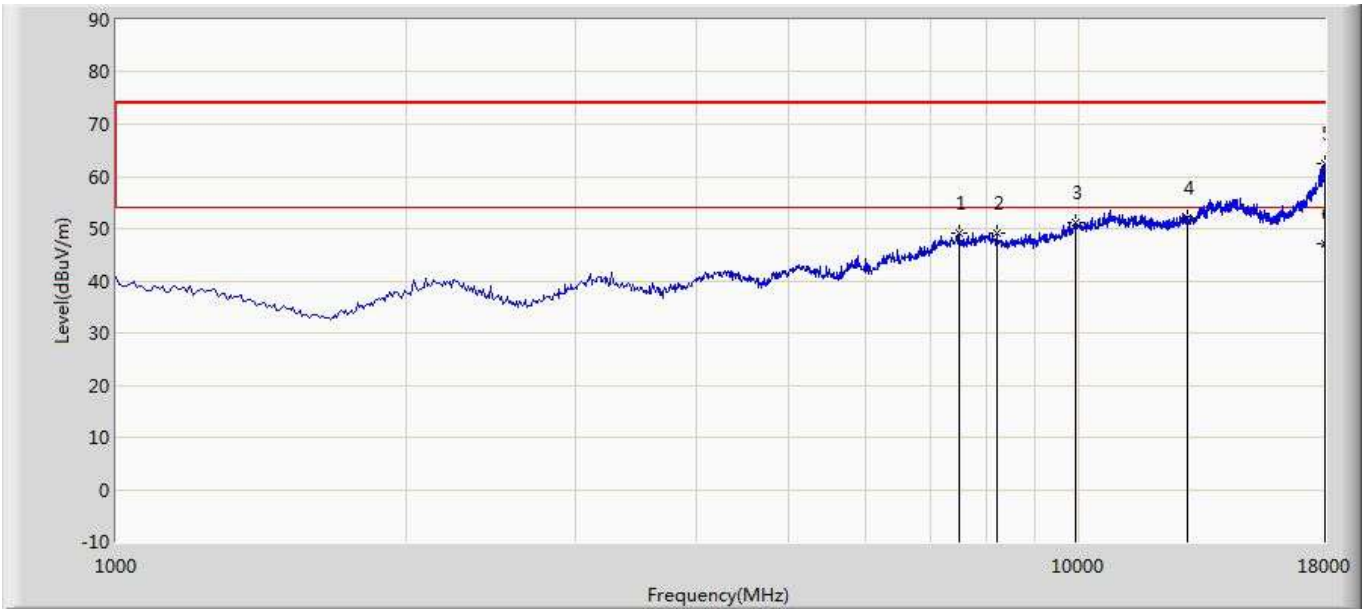
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7570.500	46.810	34.044	-7.190	54.000	12.766	PK
2			8276.000	46.521	34.636	-7.479	54.000	11.885	PK
3			8692.500	46.371	32.645	-21.829	68.200	13.726	PK
4			9814.500	49.117	33.712	-19.083	68.200	15.405	PK
5			18000.000	61.410	29.323	-12.590	74.000	32.087	PK
6		*	18000.000	47.519	15.432	-6.481	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: 2018/06/24 - 13:00
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5180MHz	



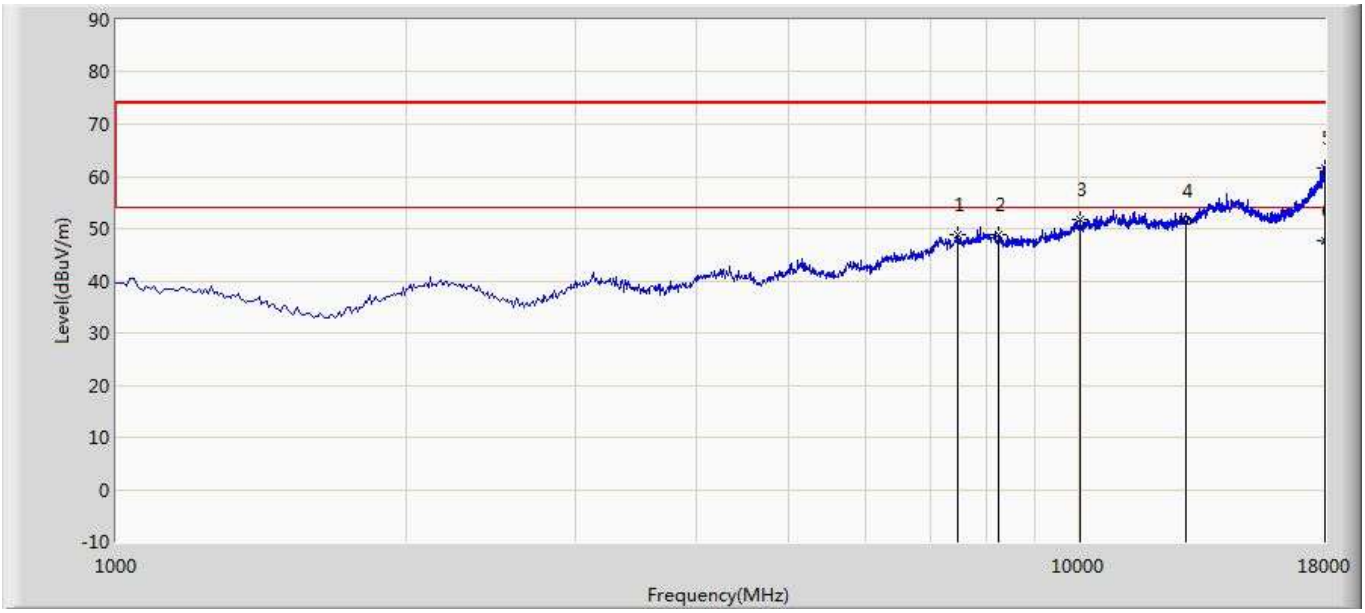
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7519.500	48.993	36.149	-5.007	54.000	12.844	PK
2			8208.000	49.221	37.292	-4.779	54.000	11.929	PK
3			9899.500	51.212	35.846	-16.988	68.200	15.366	PK
4			12951.000	51.944	32.222	-16.256	68.200	19.722	PK
5			18000.000	62.464	30.377	-11.536	74.000	32.087	PK
6		*	18000.000	47.114	15.027	-6.886	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: 2018/06/24 - 13:02
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5180MHz	



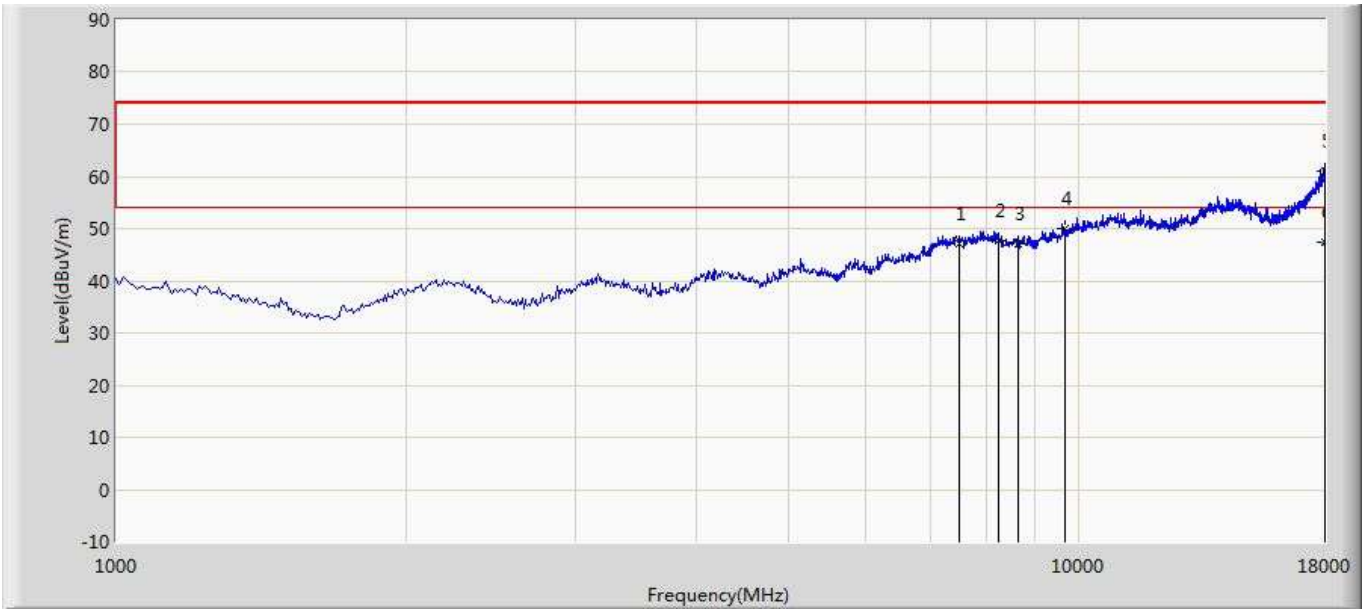
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7468.500	48.974	36.183	-5.026	54.000	12.791	PK
2			8242.000	48.735	36.860	-5.265	54.000	11.875	PK
3			10018.500	51.730	36.307	-16.470	68.200	15.422	PK
4			12891.500	51.338	31.914	-16.862	68.200	19.424	PK
5			18000.000	61.471	29.384	-12.529	74.000	32.087	PK
6		*	18000.000	47.549	15.462	-6.451	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: 2018/06/24 - 13:33
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5755MHz	



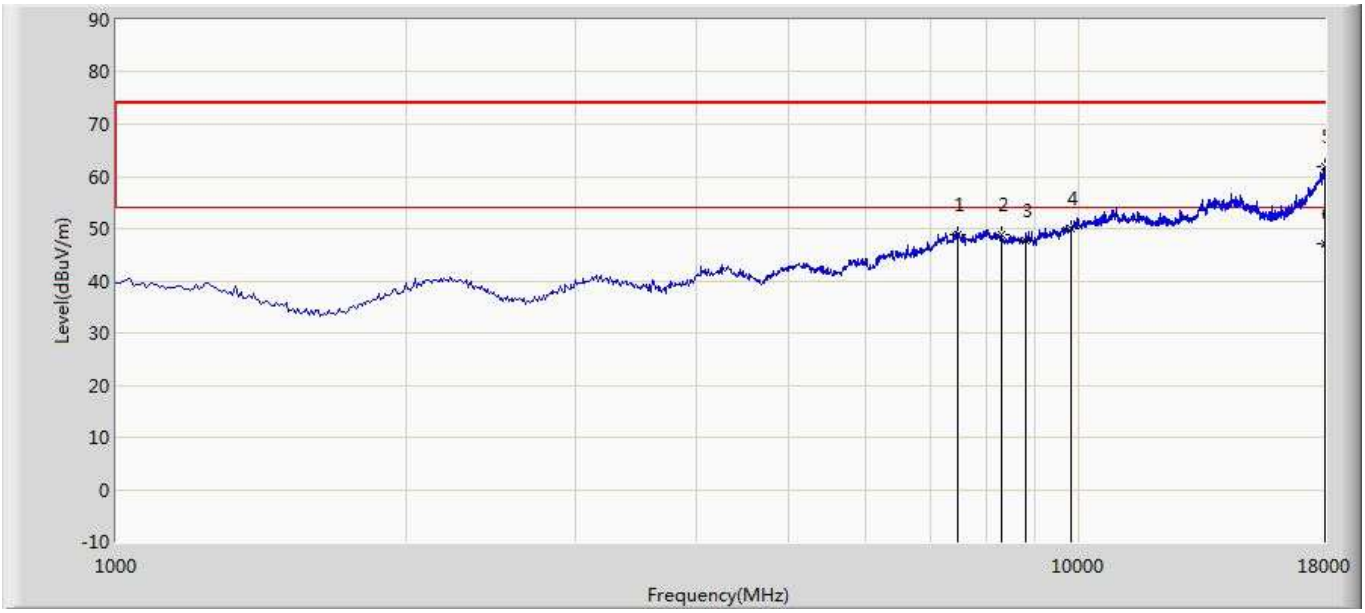
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7502.500	47.105	34.260	-6.895	54.000	12.845	PK
2			8242.000	47.703	35.828	-6.297	54.000	11.875	PK
3			8658.500	47.168	33.571	-21.032	68.200	13.597	PK
4			9678.500	50.138	35.581	-18.062	68.200	14.557	PK
5			18000.000	61.000	28.913	-13.000	74.000	32.087	PK
6		*	18000.000	47.464	15.377	-6.536	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: 2018/06/24 - 13:36
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5755MHz	



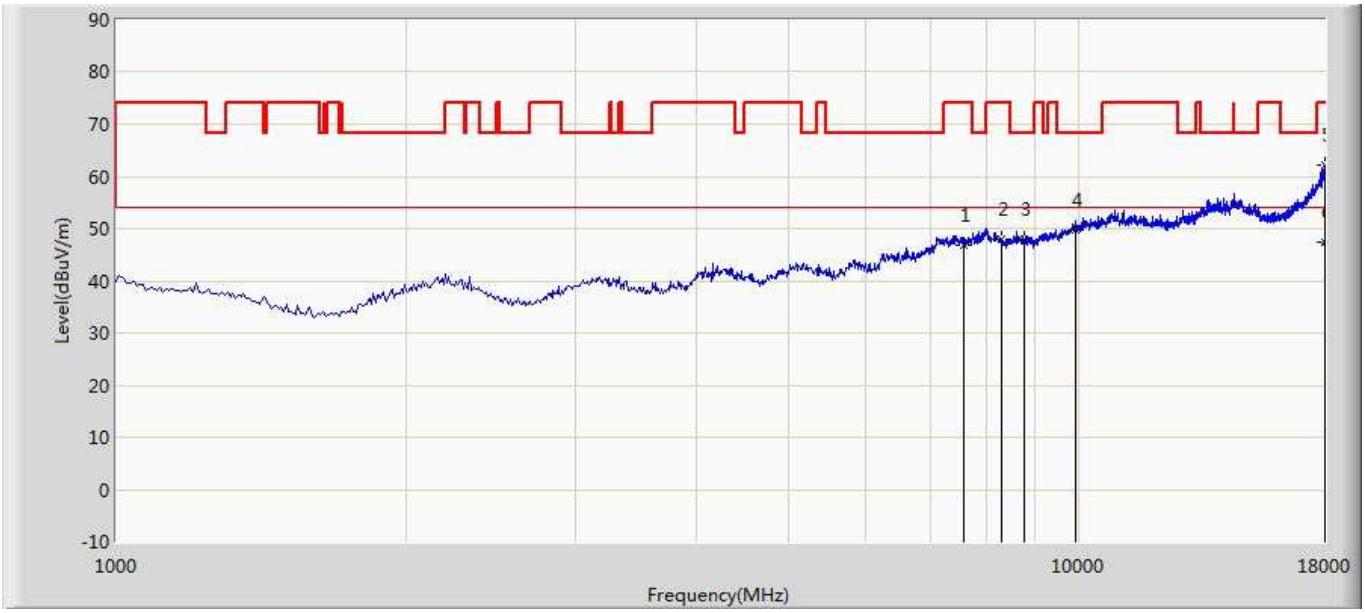
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7468.500	48.742	35.951	-5.258	54.000	12.791	PK
2			8318.500	48.962	37.034	-5.038	54.000	11.928	PK
3			8811.500	47.814	33.842	-20.386	68.200	13.972	PK
4			9814.500	50.107	34.702	-18.093	68.200	15.405	PK
5			18000.000	62.012	29.925	-11.988	74.000	32.087	PK
6		*	18000.000	47.131	15.044	-6.869	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: 2018/06/24 - 15:26
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz	



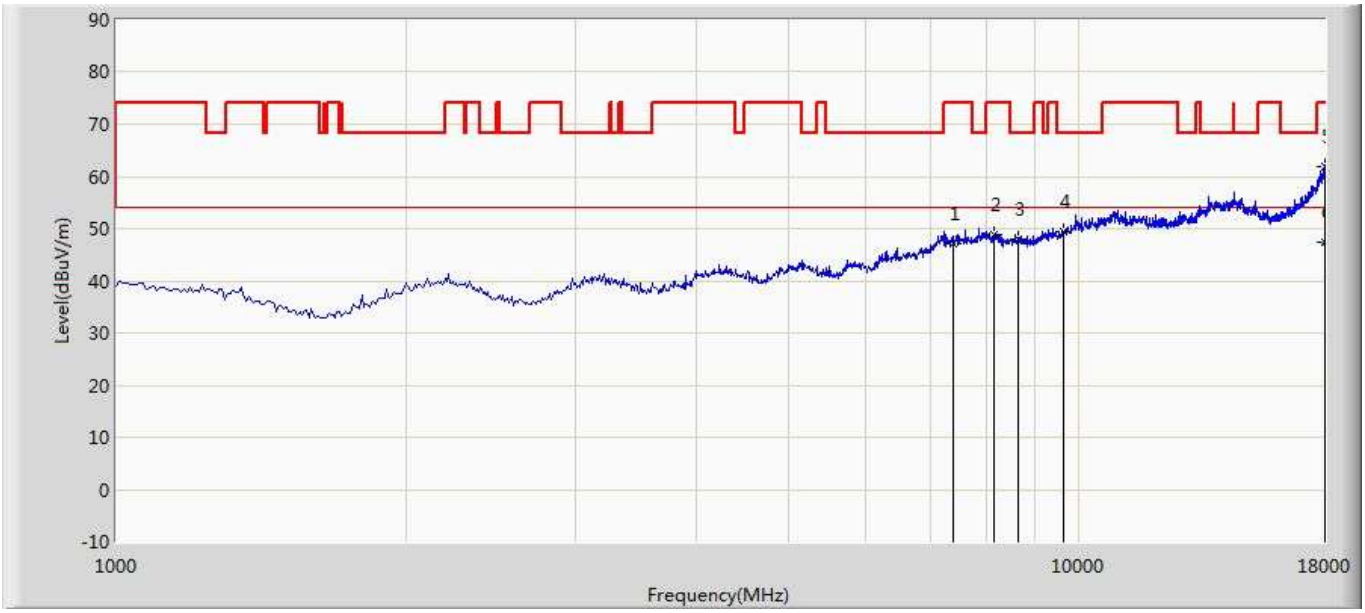
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7596.000	46.945	34.255	-7.055	54.000	12.690	PK
2			8318.500	48.036	36.108	-5.964	54.000	11.928	PK
3			8769.000	47.901	33.977	-20.299	68.200	13.924	PK
4			9899.500	49.659	34.293	-18.541	68.200	15.366	PK
5			18000.000	62.318	30.231	-11.682	74.000	32.087	PK
6		*	18000.000	47.451	15.364	-6.549	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: 2018/06/24 - 15:28
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7400.500	47.048	34.464	-6.952	54.000	12.584	PK
2			8165.500	48.787	36.725	-5.213	54.000	12.062	PK
3			8658.500	47.853	34.256	-20.347	68.200	13.597	PK
4			9636.000	49.396	34.959	-18.804	68.200	14.437	PK
5			18000.000	61.757	29.670	-12.243	74.000	32.087	PK
6		*	18000.000	47.401	15.314	-6.599	54.000	32.087	AV

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

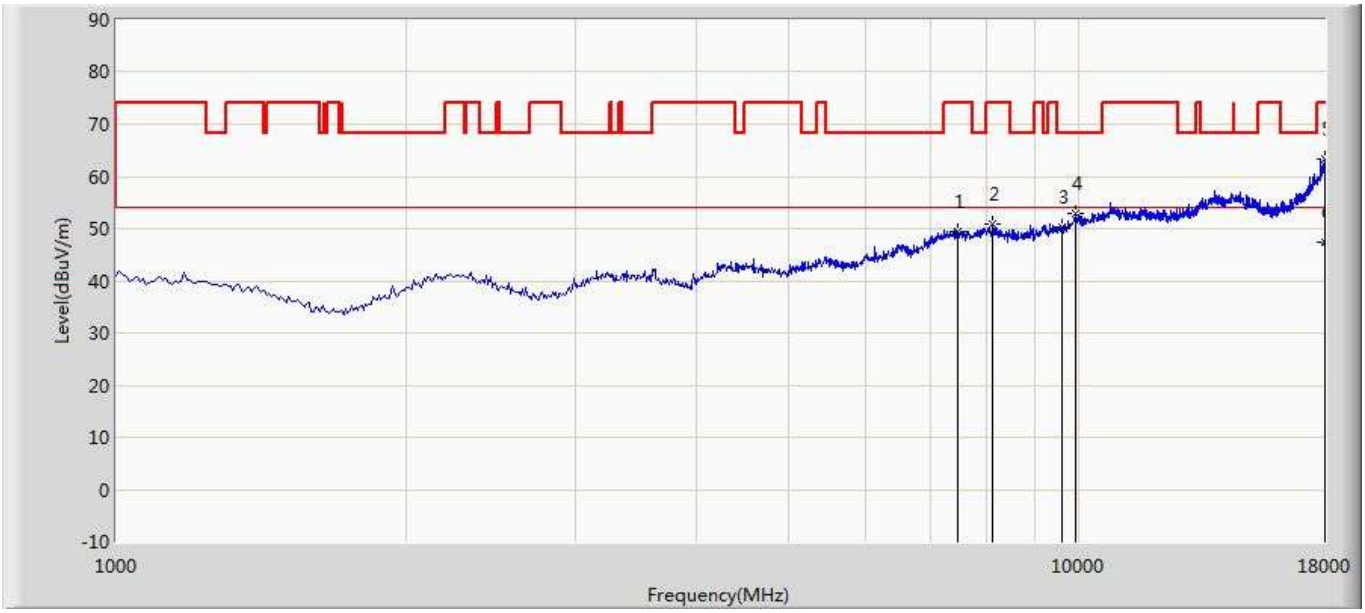
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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.

5 GHz Wi-Fi Parts

Omni Antenna (AP-ANT-19)

Site: AC1	Time: 2018/06/30 - 10:44
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	



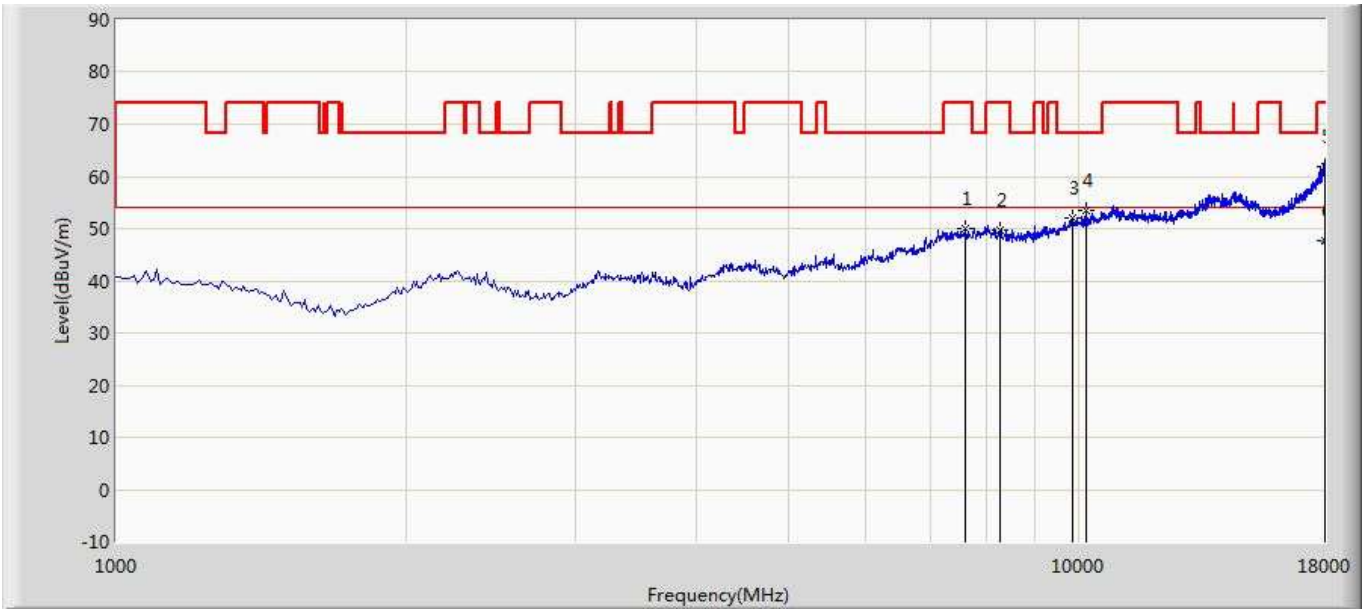
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7494.000	49.483	36.641	-4.517	54.000	12.842	PK
2			8140.000	50.990	38.837	-3.010	54.000	12.153	PK
3			9593.500	50.289	35.895	-17.911	68.200	14.393	PK
4			9908.000	52.813	37.541	-15.387	68.200	15.272	PK
5			18000.000	63.205	31.118	-10.795	74.000	32.087	PK
6		*	18000.000	47.451	15.364	-6.549	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: 2018/06/30 - 11:15
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	



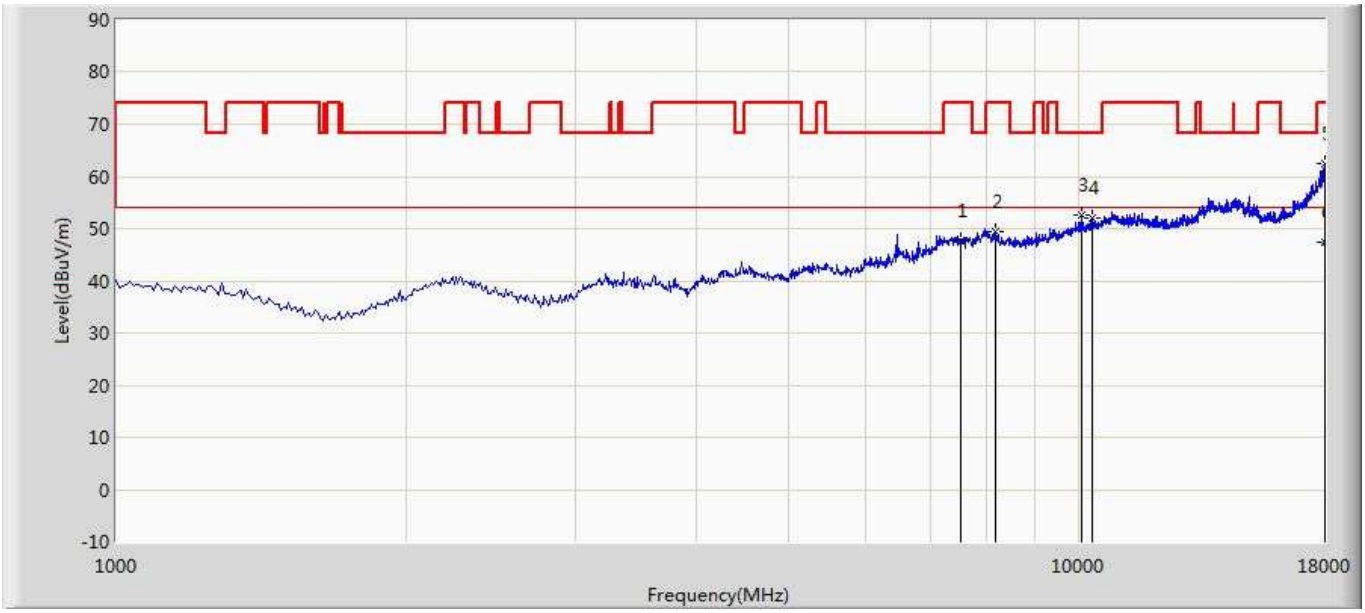
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7604.500	49.887	37.222	-4.113	54.000	12.665	PK
2			8276.000	49.691	37.806	-4.309	54.000	11.885	PK
3			9831.500	51.957	36.106	-16.243	68.200	15.851	PK
4			10154.500	53.512	37.510	-14.688	68.200	16.002	PK
5			18000.000	61.985	29.898	-12.015	74.000	32.087	PK
6		*	18000.000	47.708	15.621	-6.292	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: 2018/06/30 - 13:10
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5240MHz	



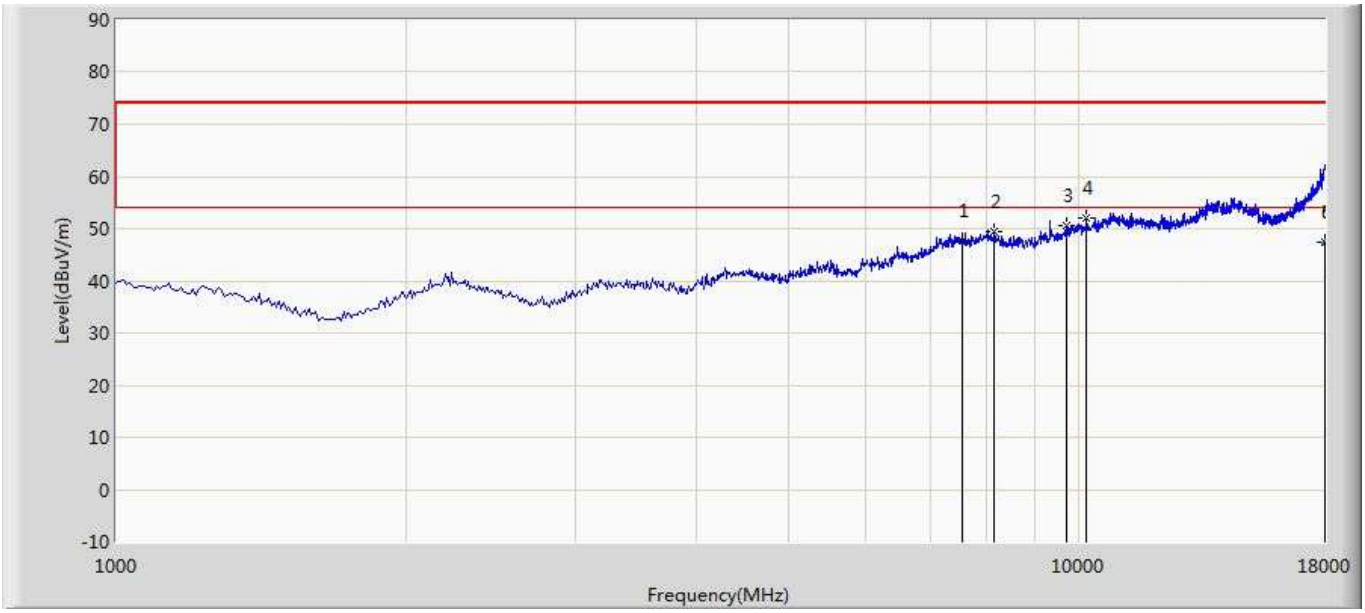
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7511.000	49.132	36.283	-4.868	54.000	12.848	PK
2			8216.500	50.229	38.314	-3.771	54.000	11.915	PK
3			9661.500	50.902	36.407	-17.298	68.200	14.495	PK
4			10197.000	52.275	36.076	-15.925	68.200	16.199	PK
5			18000.000	62.431	30.344	-11.569	74.000	32.087	PK
6		*	18000.000	47.418	15.331	-6.582	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: 2018/07/06 - 14:28
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz	



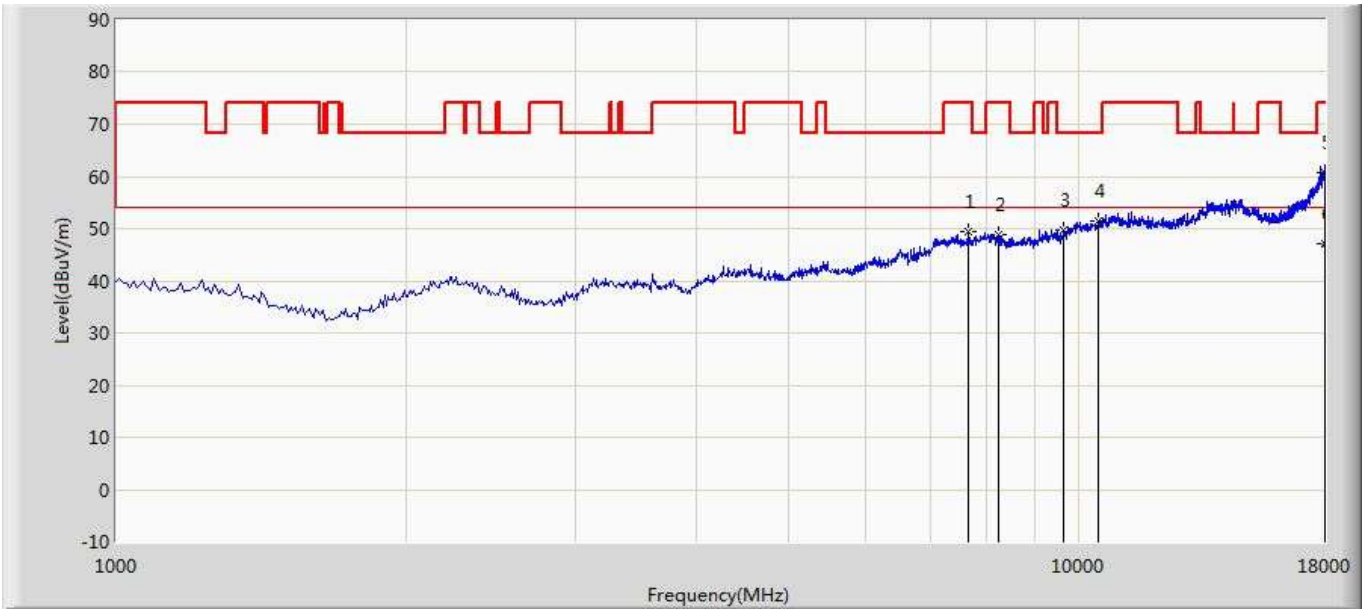
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7562.000	47.713	34.923	-6.287	54.000	12.791	PK
2			8165.500	49.384	37.322	-4.616	54.000	12.062	PK
3			9721.000	50.487	35.782	-17.713	68.200	14.705	PK
4			10163.000	51.949	35.906	-16.251	68.200	16.043	PK
5			18000.000	47.274	15.187	-26.726	74.000	32.087	PK
6		*	18000.000	47.397	15.310	-6.603	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: 2018/06/30 - 13:35
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz	



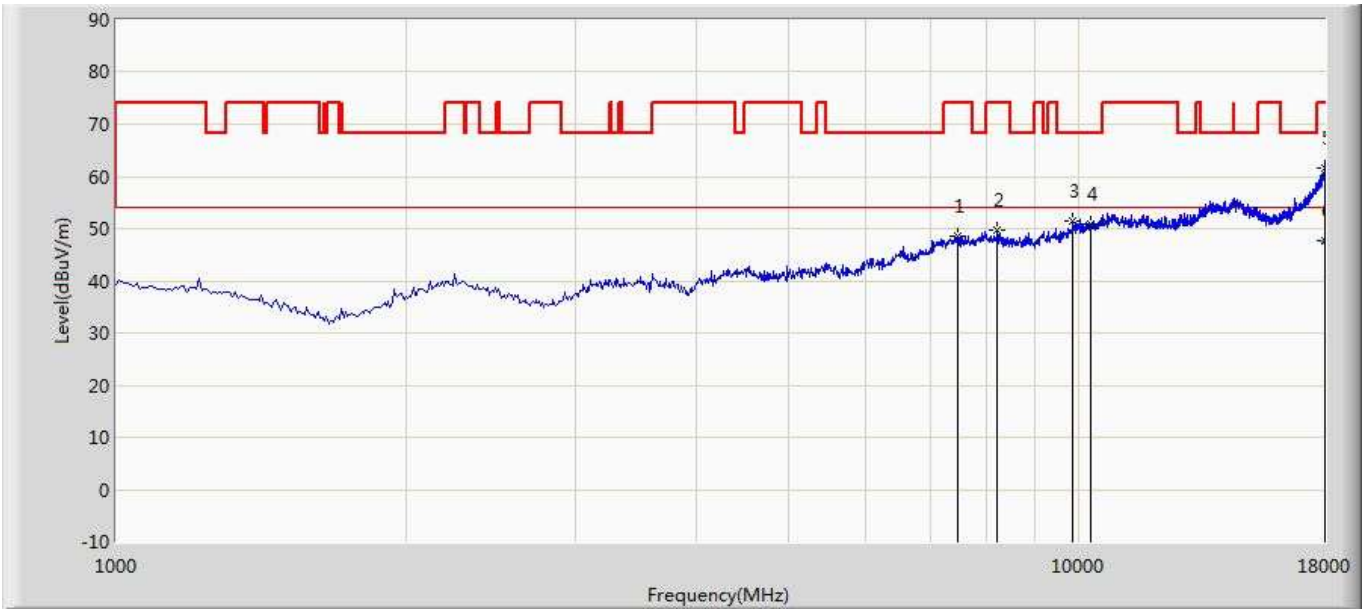
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7664.000	49.405	36.906	-4.595	54.000	12.499	PK
2			8242.000	48.714	36.839	-5.286	54.000	11.875	PK
3			9636.000	49.779	35.342	-18.421	68.200	14.437	PK
4			10452.000	51.465	34.383	-16.735	68.200	17.082	PK
5			18000.000	60.677	28.590	-13.323	74.000	32.087	PK
6		*	18000.000	47.201	15.114	-6.799	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: 2018/06/30 - 13:36
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz	



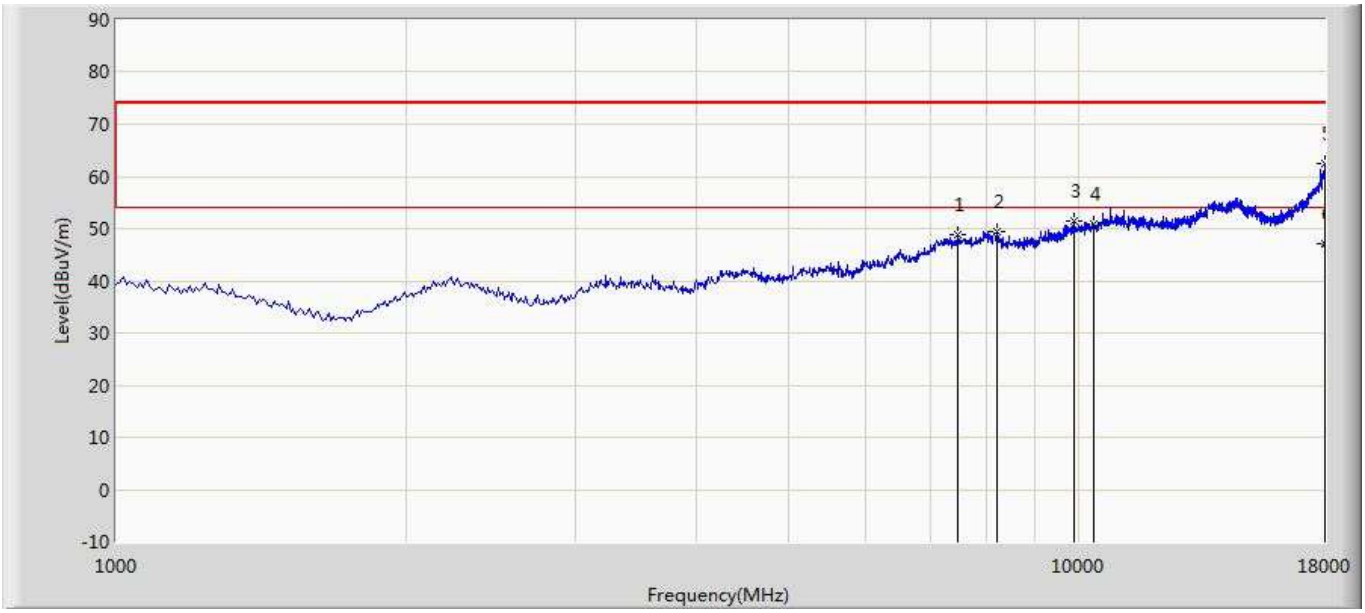
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7494.000	48.575	35.733	-5.425	54.000	12.842	PK
2			8225.000	49.580	37.679	-4.420	54.000	11.902	PK
3			9840.000	51.329	35.287	-16.871	68.200	16.042	PK
4			10290.500	50.756	34.186	-17.444	68.200	16.569	PK
5			18000.000	61.568	29.481	-12.432	74.000	32.087	PK
6		*	18000.000	47.629	15.542	-6.371	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: 2018/07/06 - 15:22
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz	



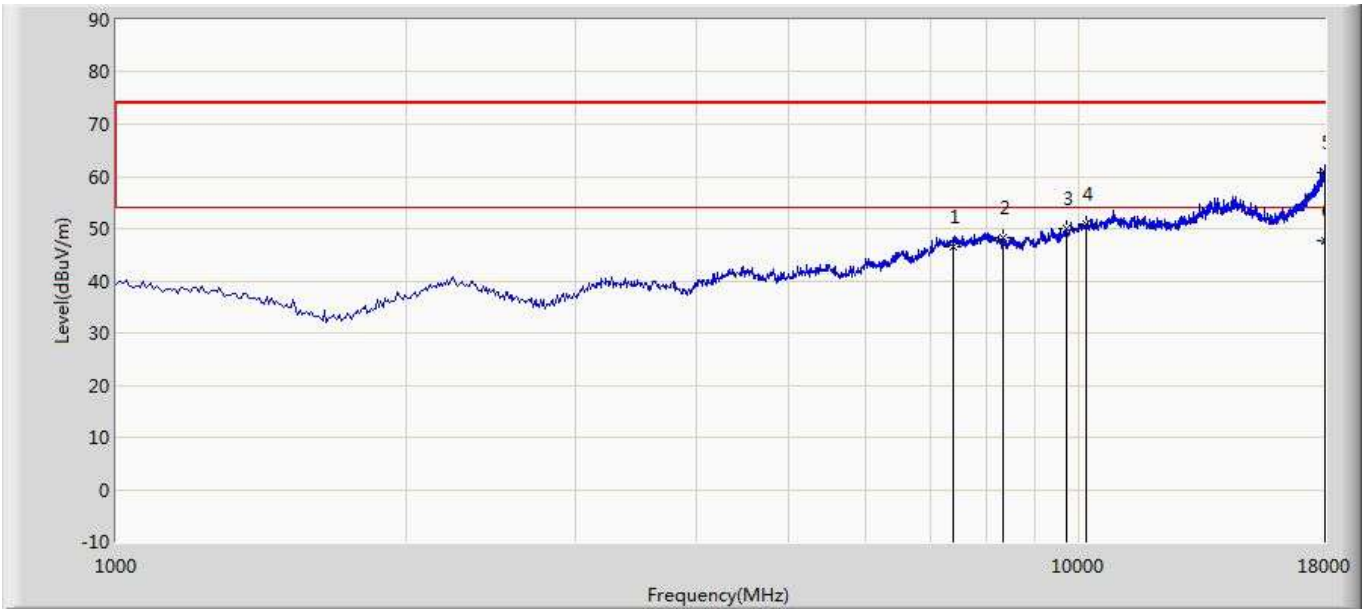
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7485.500	48.716	35.891	-5.284	54.000	12.825	PK
2			8216.500	49.280	37.365	-4.720	54.000	11.915	PK
3			9865.500	51.584	35.580	-16.616	68.200	16.005	PK
4			10358.500	50.726	33.924	-17.474	68.200	16.802	PK
5			18000.000	62.369	30.282	-11.631	74.000	32.087	PK
6		*	18000.000	47.134	15.047	-6.866	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: 2018/07/06 - 15:24
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz	



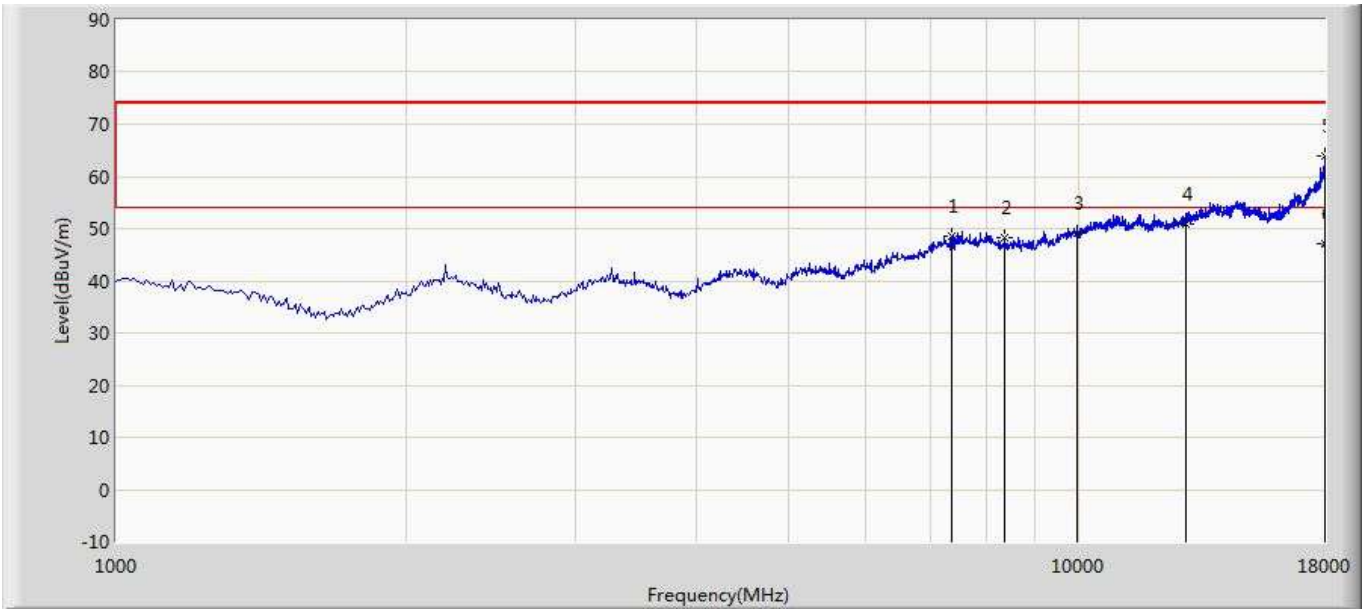
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7400.500	46.536	33.952	-7.464	54.000	12.584	PK
2			8327.000	48.325	36.387	-5.675	54.000	11.938	PK
3			9687.000	50.137	35.550	-18.063	68.200	14.587	PK
4			10180.000	50.774	34.652	-17.426	68.200	16.122	PK
5			18000.000	60.842	28.755	-13.158	74.000	32.087	PK
6		*	18000.000	47.560	15.473	-6.440	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: 2018/07/06 - 15:26
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5180MHz	



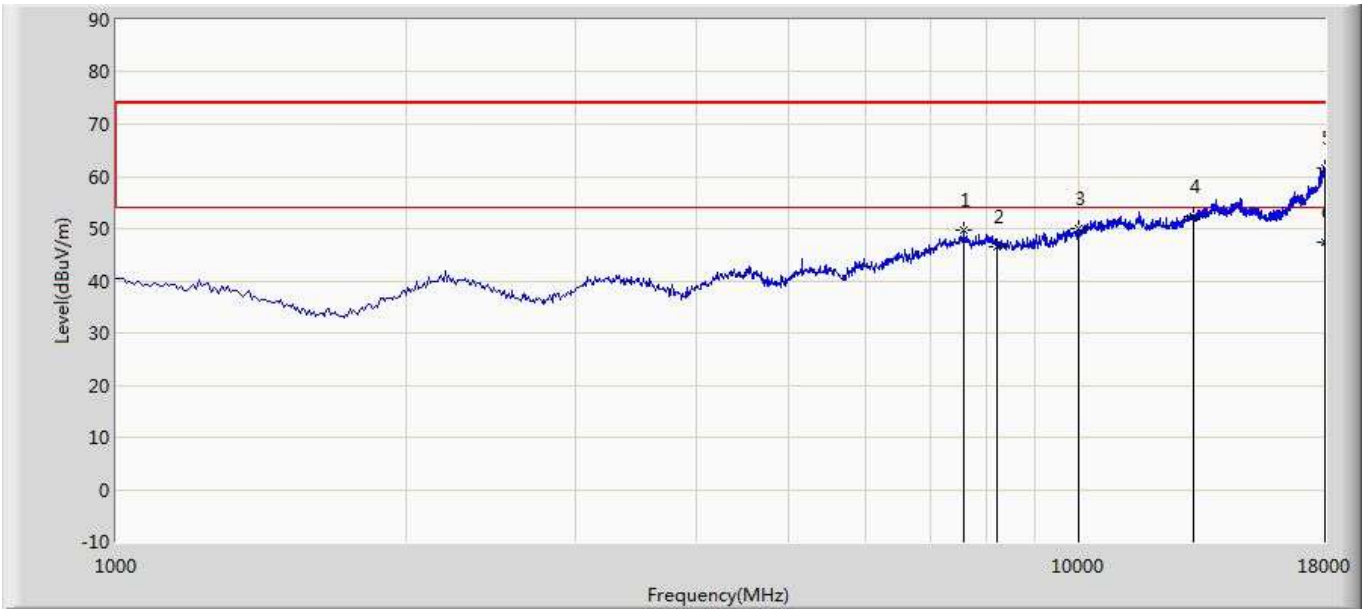
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7366.500	48.637	36.170	-5.363	54.000	12.467	PK
2			8378.000	48.170	36.077	-5.830	54.000	12.093	PK
3			9950.500	49.154	33.829	-19.046	68.200	15.325	PK
4			12900.000	50.791	31.328	-17.409	68.200	19.463	PK
5			18000.000	63.837	31.750	-10.163	74.000	32.087	PK
6		*	18000.000	47.119	15.032	-6.881	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: 2018/07/06 - 15:28
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5180MHz	



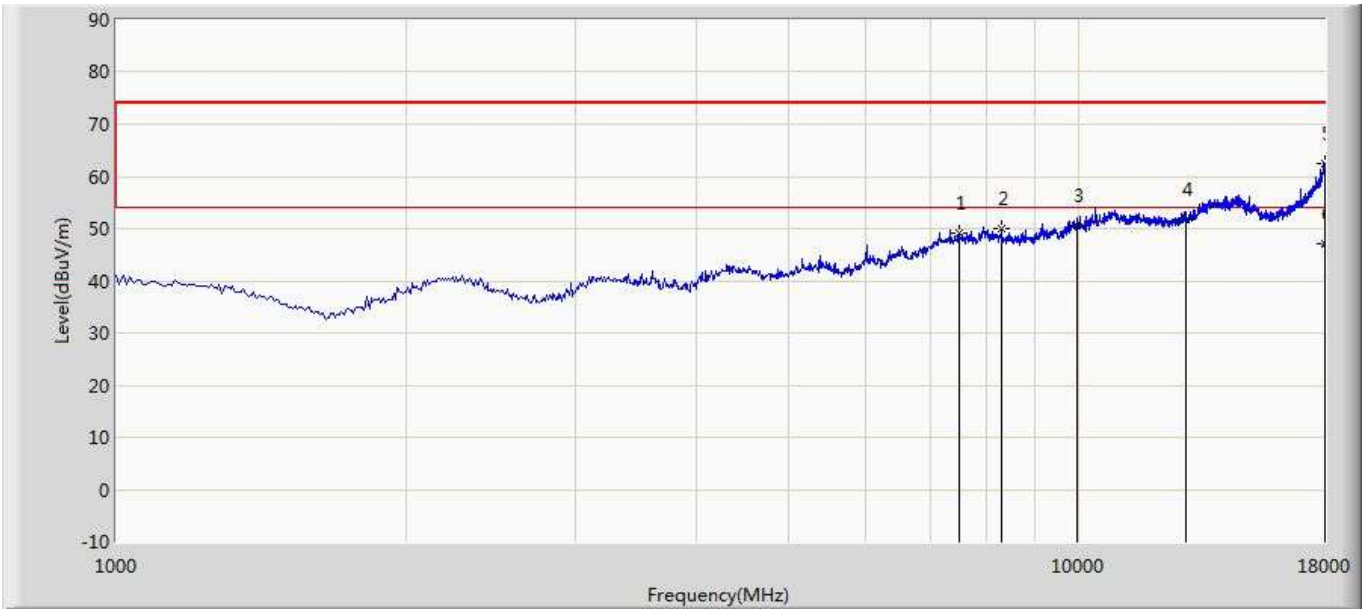
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7587.500	49.622	36.907	-24.378	74.000	12.716	PK
2			8216.500	46.659	34.744	-27.341	74.000	11.915	PK
3			9976.000	49.927	34.578	-24.073	74.000	15.349	PK
4			13129.500	52.282	32.178	-21.718	74.000	20.104	PK
5			18000.000	61.587	29.500	-12.413	74.000	32.087	PK
6		*	18000.000	47.512	15.425	-6.488	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: 2018/07/06 - 15:42
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5230MHz	



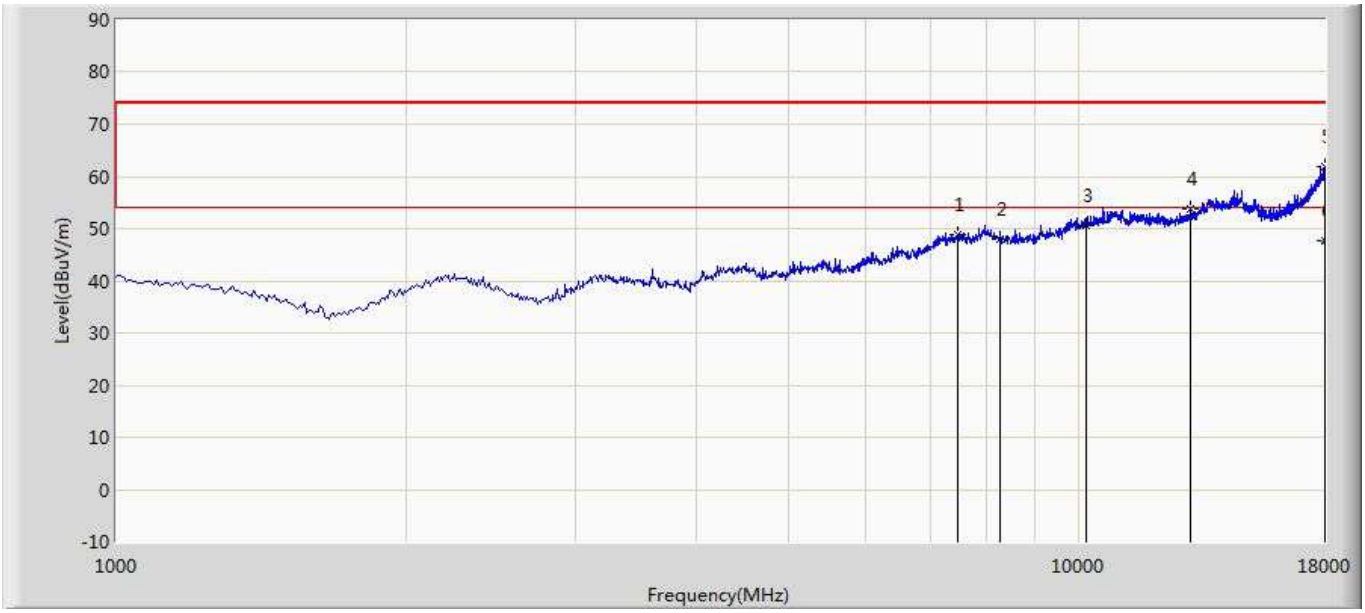
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7502.500	48.997	36.152	-5.003	54.000	12.845	PK
2			8310.000	49.911	37.994	-4.089	54.000	11.917	PK
3			9942.000	50.467	35.151	-17.733	68.200	15.316	PK
4			12900.000	51.649	32.186	-16.551	68.200	19.463	PK
5			18000.000	62.524	30.437	-11.476	74.000	32.087	PK
6		*	18000.000	47.134	15.047	-6.866	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: 2018/07/06 - 15:44
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5230MHz	



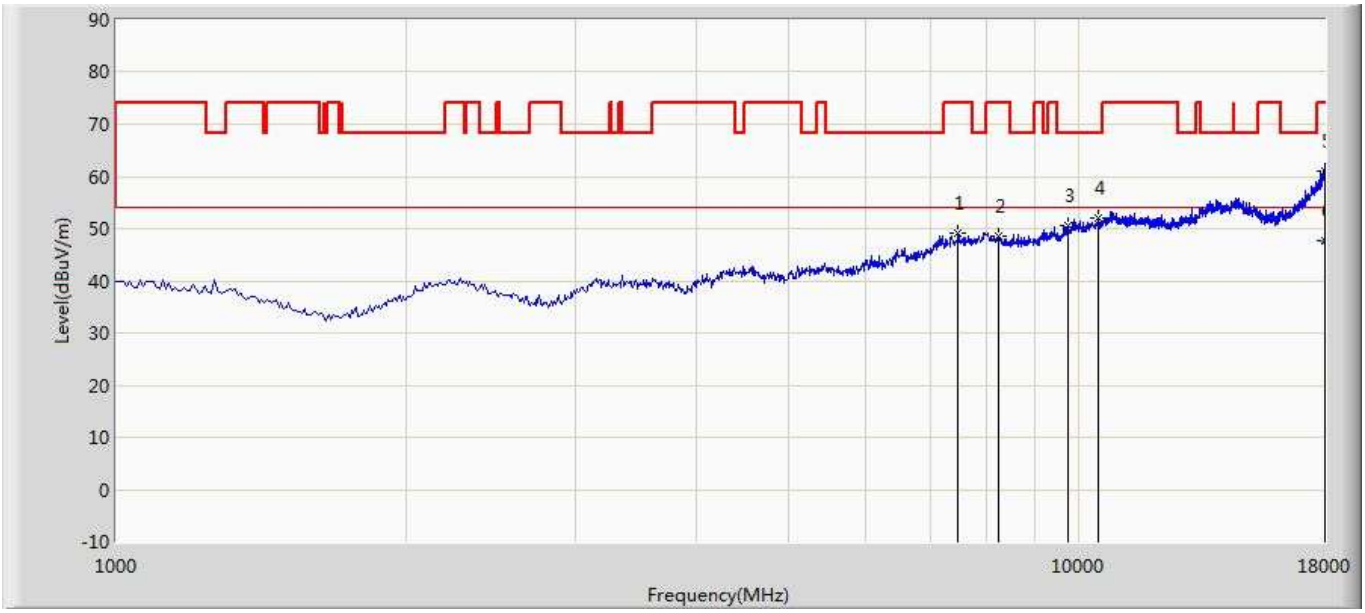
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7468.500	48.714	35.923	-5.286	54.000	12.791	PK
2			8276.000	47.840	35.955	-6.160	54.000	11.885	PK
3			10171.500	50.497	34.415	-17.703	68.200	16.082	PK
4			13053.000	53.665	33.666	-14.535	68.200	19.999	PK
5			18000.000	61.944	29.857	-12.056	74.000	32.087	PK
6		*	18000.000	47.734	15.647	-6.266	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: 2018/06/30 - 15:00
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz	



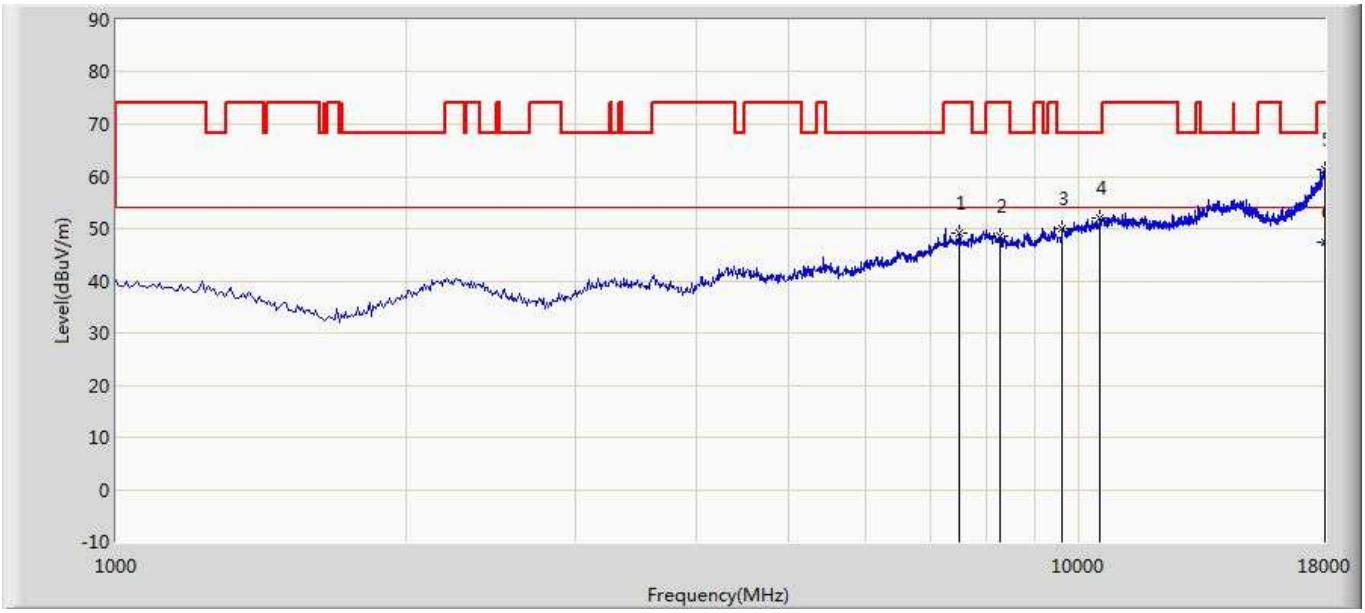
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7485.500	49.141	36.316	-4.859	54.000	12.825	PK
2			8242.000	48.436	36.561	-5.564	54.000	11.875	PK
3			9746.500	50.582	35.793	-17.618	68.200	14.789	PK
4			10486.000	52.020	34.882	-16.180	68.200	17.137	PK
5			18000.000	61.050	28.963	-12.950	74.000	32.087	PK
6		*	18000.000	47.675	15.588	-6.325	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: 2018/06/30 - 15:01
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7502.500	49.049	36.204	-4.951	54.000	12.845	PK
2			8267.500	48.674	36.797	-5.326	54.000	11.877	PK
3			9602.000	49.891	35.491	-18.309	68.200	14.400	PK
4			10511.500	52.126	34.947	-16.074	68.200	17.178	PK
5			18000.000	61.418	29.331	-12.582	74.000	32.087	PK
6		*	18000.000	47.329	15.242	-6.671	54.000	32.087	AV

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

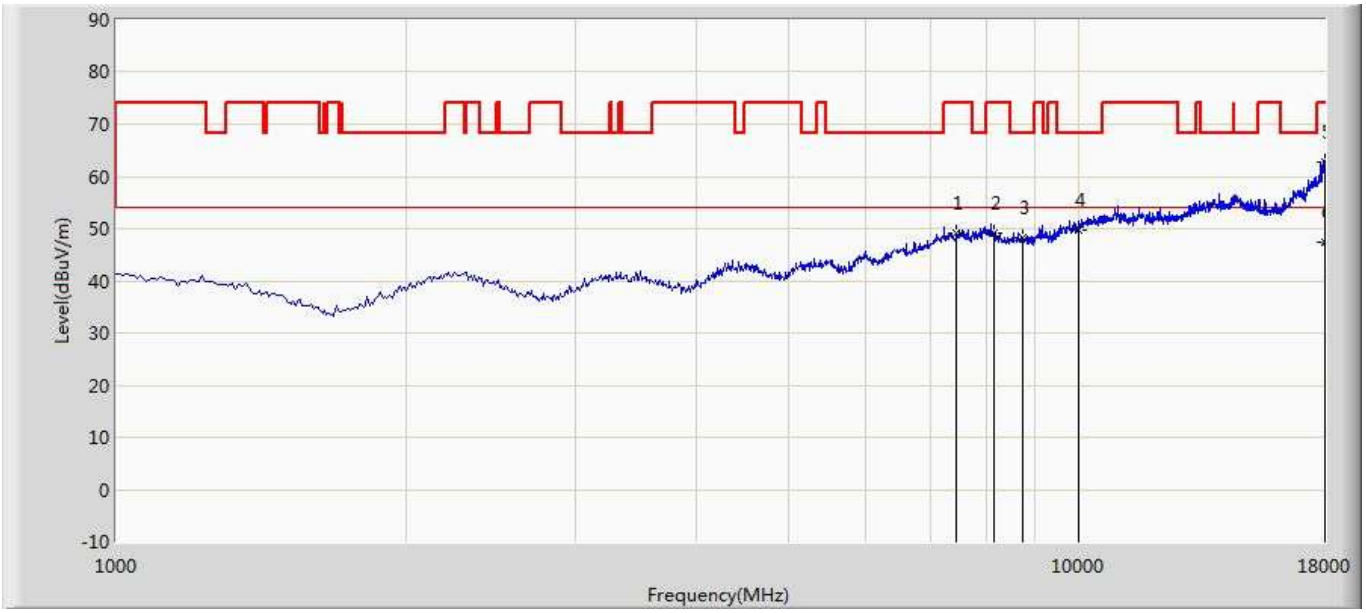
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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.

5 GHz Wi-Fi Parts

Directional Antenna (AP-ANT-48)

Site: AC1	Time: 2018/06/27 - 22:40
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	



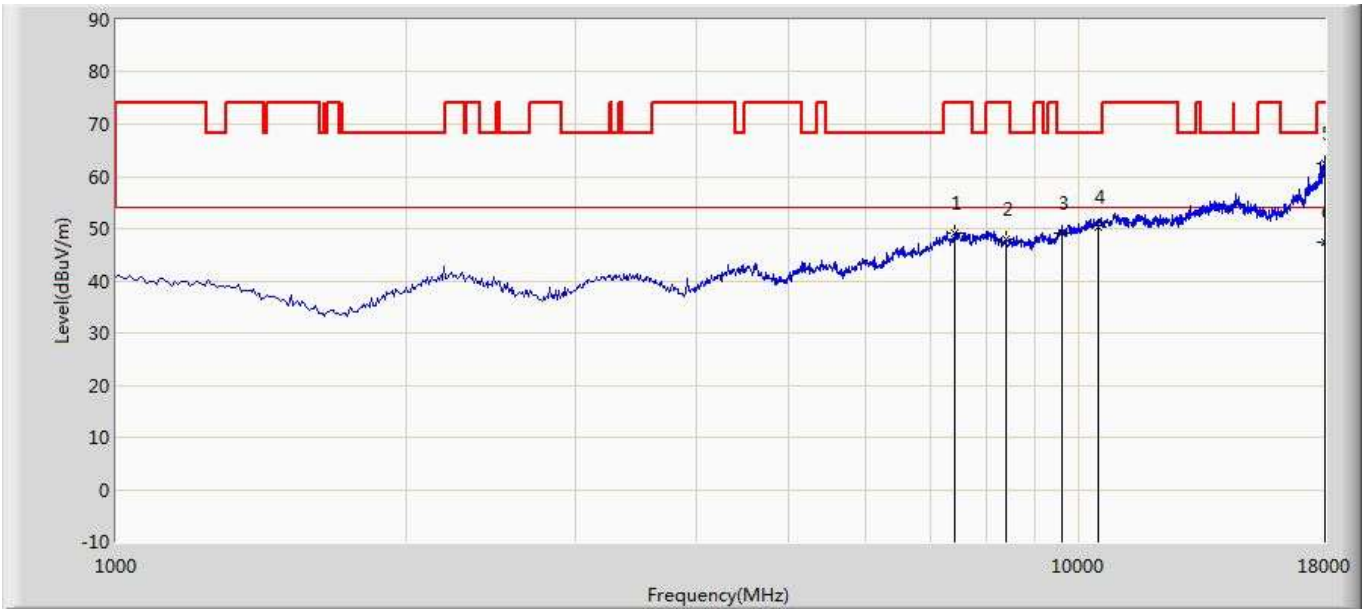
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7460.000	49.241	36.467	-4.759	54.000	12.774	PK
2			8165.500	49.114	37.052	-4.886	54.000	12.062	PK
3			8752.000	48.193	34.284	-20.007	68.200	13.909	PK
4			10001.500	49.795	34.414	-18.405	68.200	15.380	PK
5			18000.000	62.643	30.556	-11.357	74.000	32.087	PK
6		*	18000.000	47.534	15.447	-6.466	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: 2018/06/27 - 22:56
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	



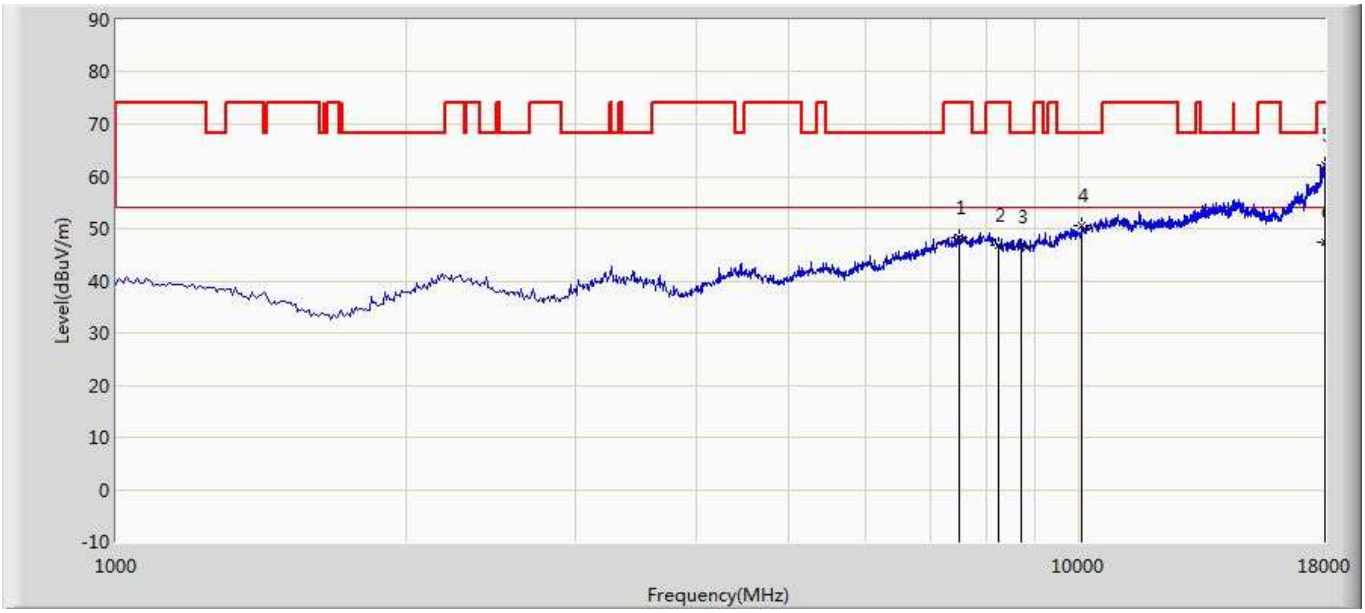
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7426.000	49.234	36.563	-4.766	54.000	12.671	PK
2			8386.500	48.063	35.932	-5.937	54.000	12.131	PK
3			9593.500	49.146	34.752	-19.054	68.200	14.393	PK
4			10469.000	50.352	33.242	-17.848	68.200	17.110	PK
5			18000.000	62.403	30.316	-11.597	74.000	32.087	PK
6		*	18000.000	47.311	15.224	-6.689	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: 2018/06/27 - 23:20
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5240MHz	



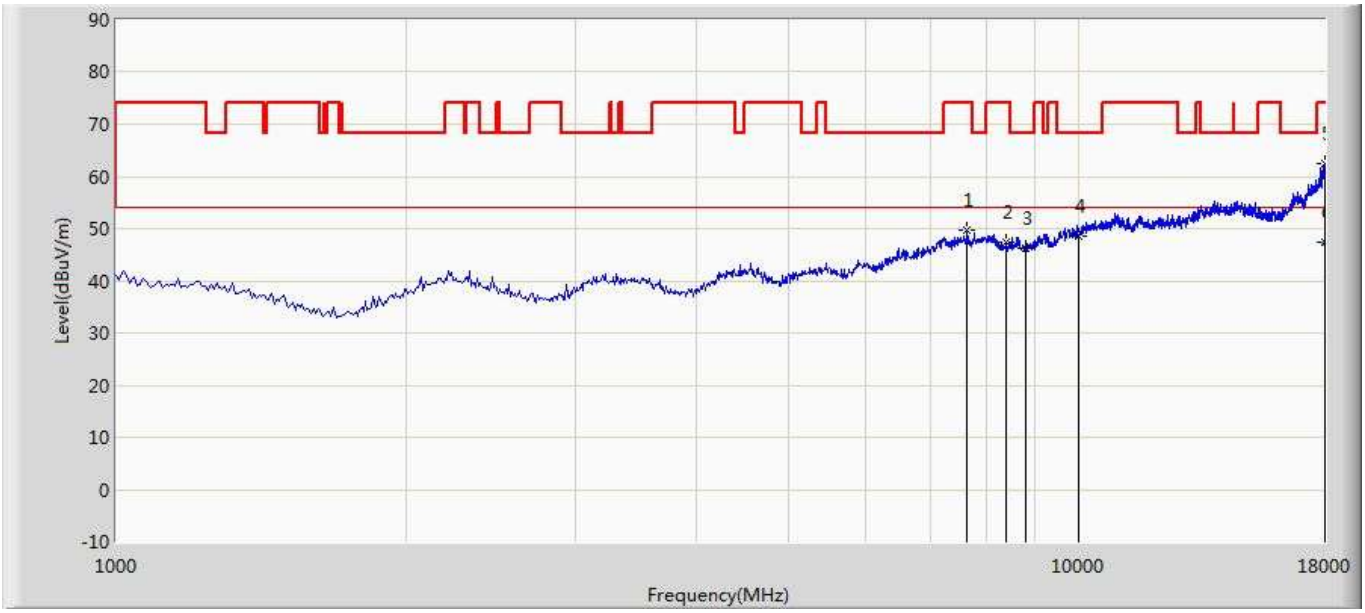
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7502.500	48.139	35.294	-5.861	54.000	12.845	PK
2			8242.000	46.741	34.866	-7.259	54.000	11.875	PK
3			8692.500	46.386	32.660	-21.814	68.200	13.726	PK
4			10078.000	50.703	35.073	-17.497	68.200	15.630	PK
5			18000.000	62.093	30.006	-11.907	74.000	32.087	PK
6		*	18000.000	47.328	15.241	-6.672	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: 2018/06/27 - 23:21
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5240MHz	



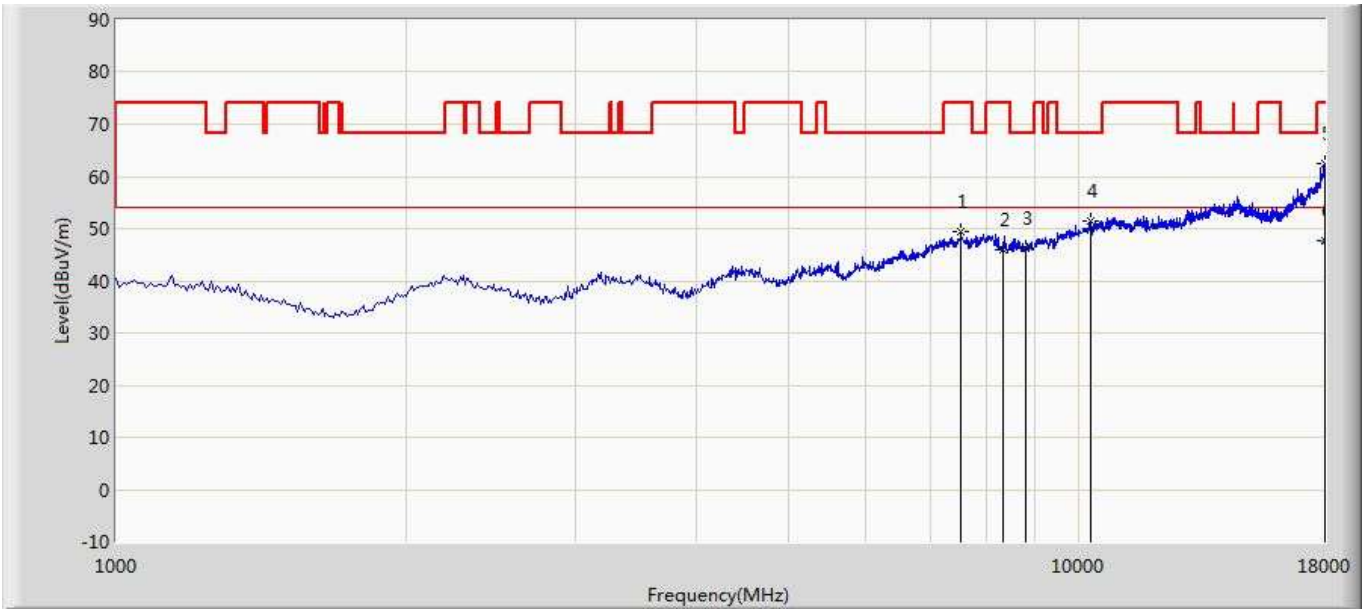
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7655.500	49.620	37.100	-4.380	54.000	12.519	PK
2			8412.000	47.402	35.139	-6.598	54.000	12.263	PK
3			8811.500	46.134	32.162	-22.066	68.200	13.972	PK
4			9976.000	48.520	33.171	-19.680	68.200	15.349	PK
5			18000.000	62.541	30.454	-11.459	74.000	32.087	PK
6		*	18000.000	47.331	15.244	-6.669	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: 2018/06/27 - 23:37
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz	



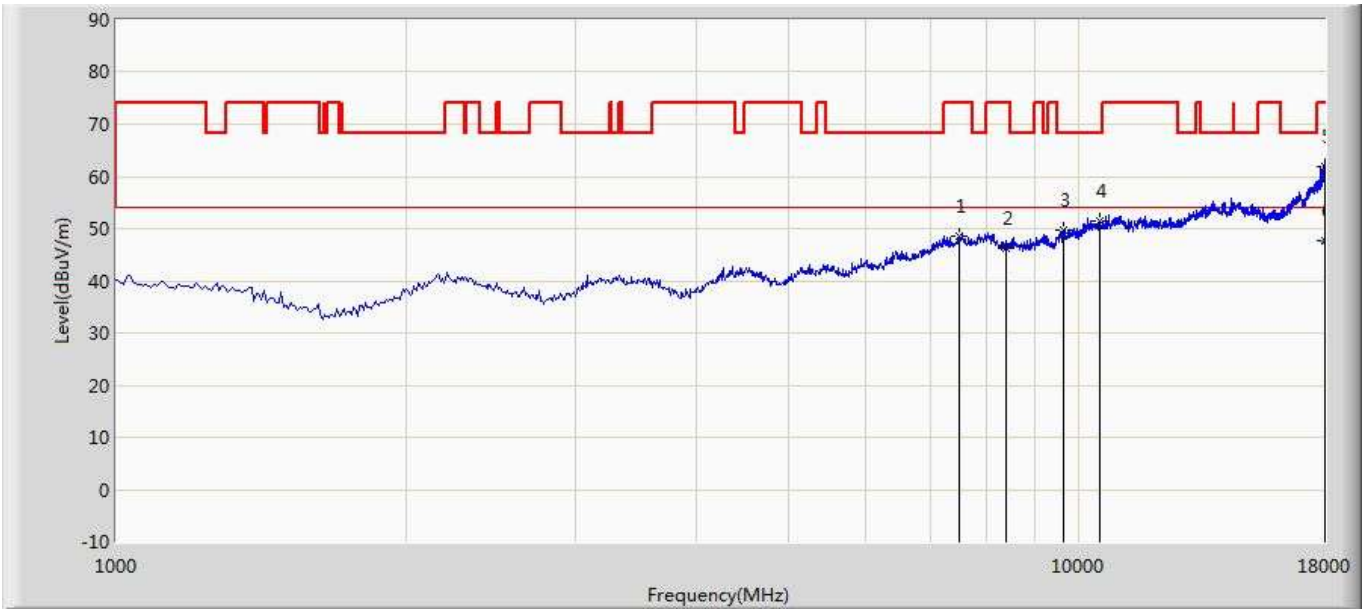
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7545.000	49.508	36.679	-4.492	54.000	12.829	PK
2			8352.500	45.914	33.931	-8.086	54.000	11.982	PK
3			8811.500	46.243	32.271	-21.957	68.200	13.972	PK
4			10265.000	51.494	34.997	-16.706	68.200	16.497	PK
5			18000.000	62.444	30.357	-11.556	74.000	32.087	PK
6		*	18000.000	47.562	15.475	-6.438	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: 2018/06/27 - 23:38
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz	



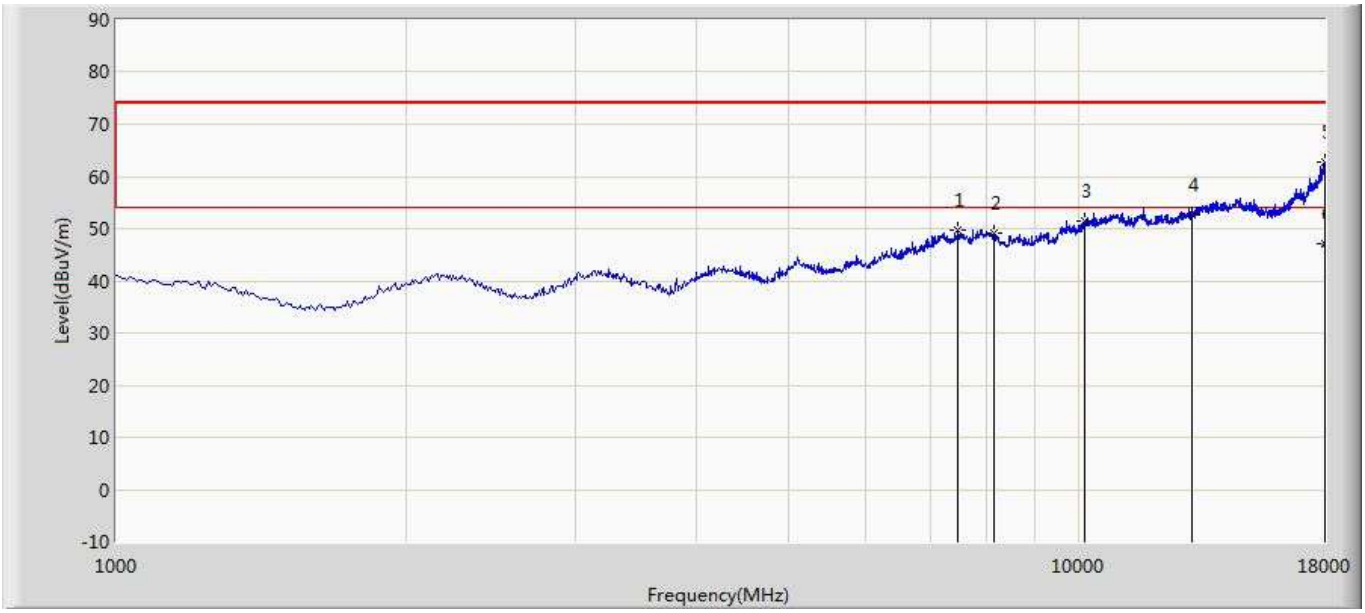
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7502.500	48.532	35.687	-5.468	54.000	12.845	PK
2			8386.500	46.195	34.064	-7.805	54.000	12.131	PK
3			9644.500	49.847	35.398	-18.353	68.200	14.448	PK
4			10503.000	51.384	34.219	-16.816	68.200	17.165	PK
5			18000.000	61.877	29.790	-12.123	74.000	32.087	PK
6		*	18000.000	47.612	15.525	-6.388	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: 2018/07/06 - 17:15
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210Hz	



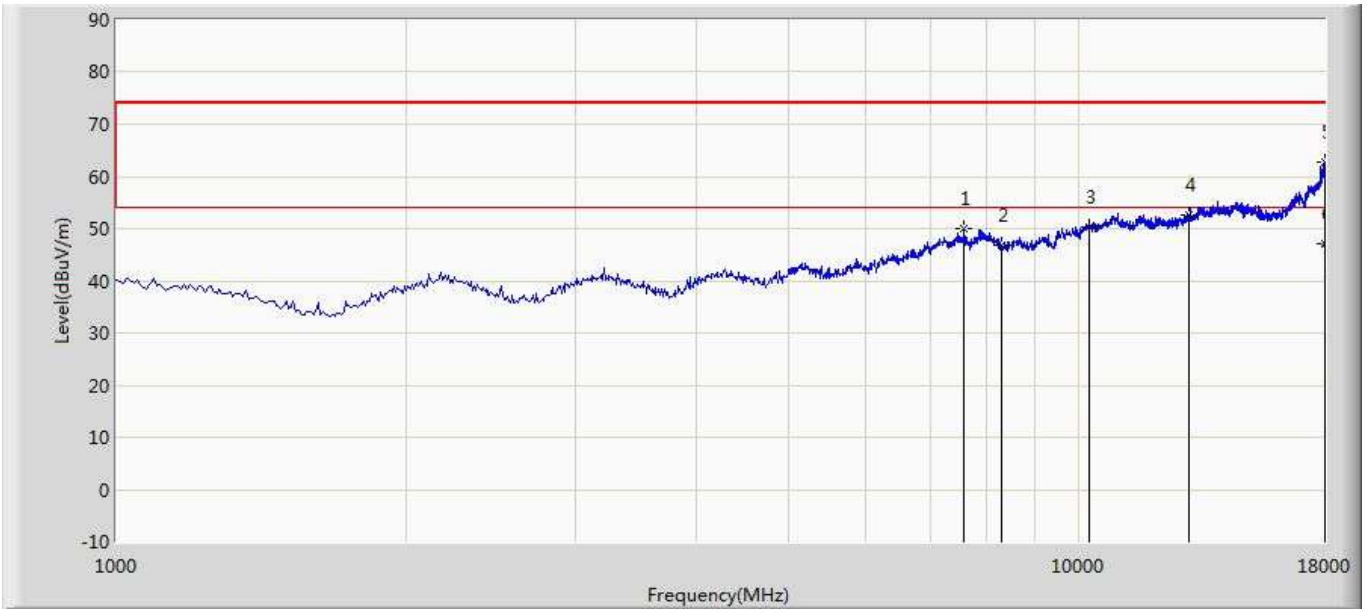
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7485.500	49.713	36.888	-4.287	54.000	12.825	PK
2			8165.500	48.990	36.928	-5.010	54.000	12.062	PK
3			10146.000	51.365	35.403	-16.835	68.200	15.962	PK
4			13095.500	52.705	32.631	-15.495	68.200	20.074	PK
5			18000.000	62.728	30.641	-11.272	74.000	32.087	PK
6		*	18000.000	47.127	15.040	-6.873	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: 2018/07/06 - 17:15
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210Hz	



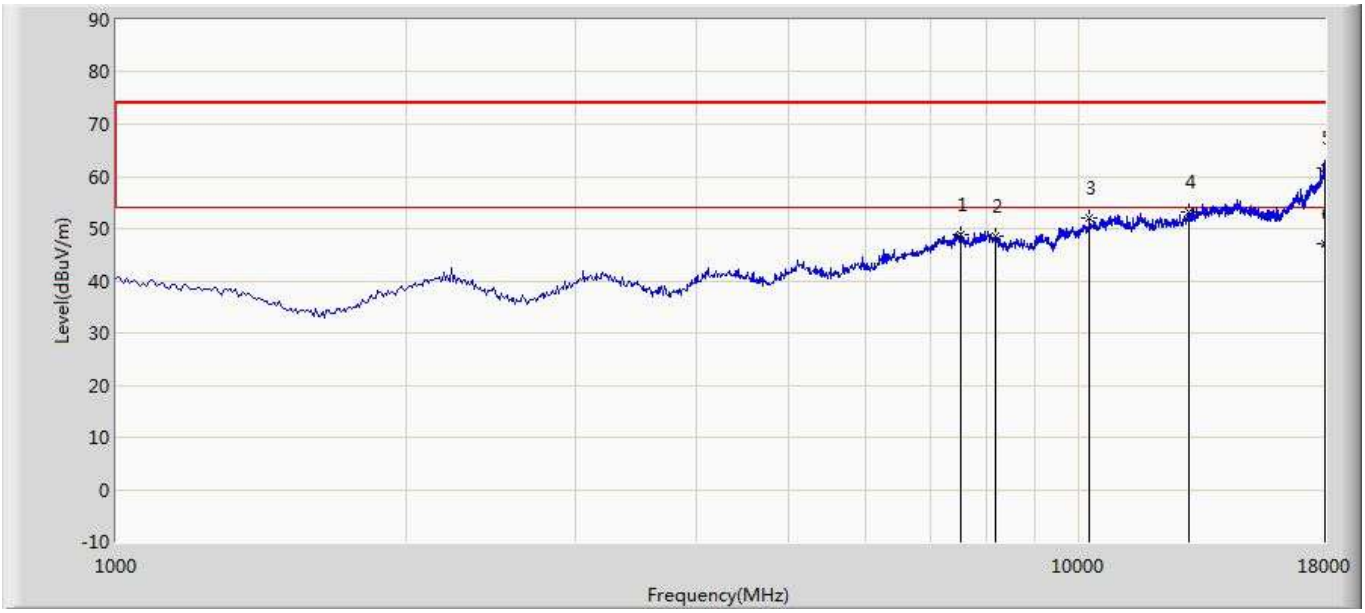
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7596.000	49.928	37.238	-4.072	54.000	12.690	PK
2			8310.000	46.913	34.996	-7.087	54.000	11.917	PK
3			10231.000	50.372	34.008	-17.828	68.200	16.364	PK
4			13010.500	52.595	32.706	-15.605	68.200	19.888	PK
5			18000.000	62.881	30.794	-11.119	74.000	32.087	PK
6		*	18000.000	47.241	15.154	-6.759	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: 2018/07/06 - 17:36
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5220MHz	



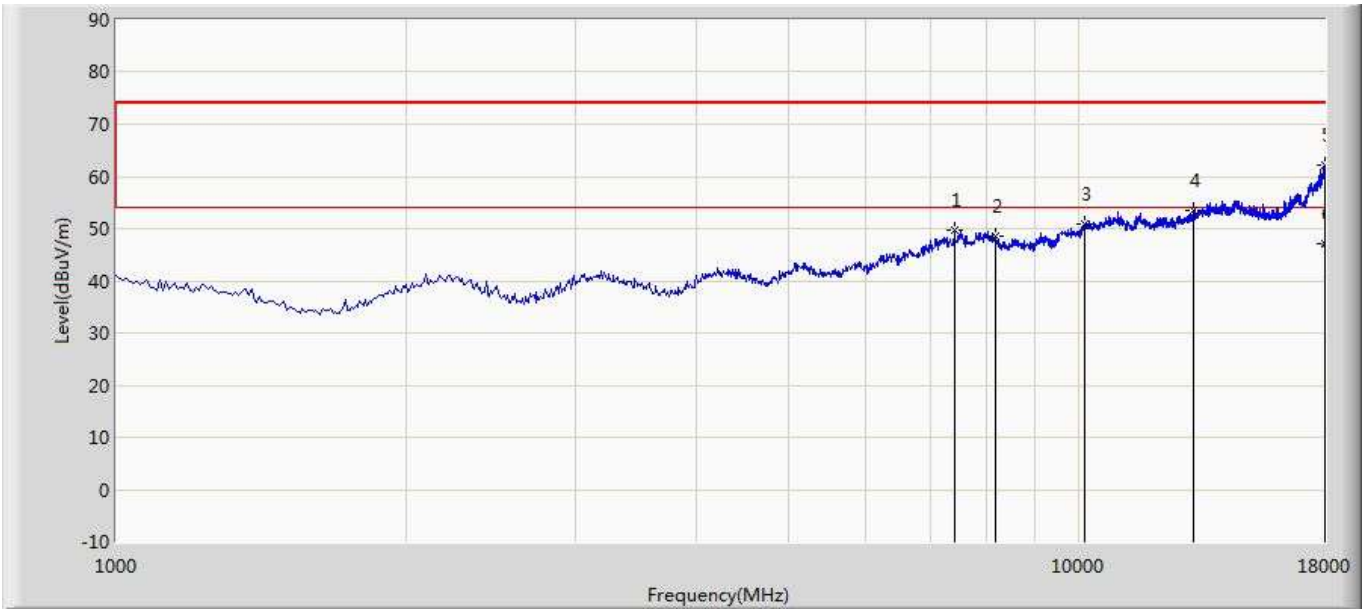
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7545.000	48.900	36.118	-5.100	54.000	12.829	PK
2			8174.000	48.600	36.563	-5.400	54.000	12.032	PK
3			10248.000	52.100	35.710	-16.100	68.200	16.442	PK
4			12985.000	53.300	33.485	-14.900	68.200	19.818	PK
5			18000.000	61.701	29.614	-12.299	74.000	32.087	PK
6		*	18000.000	47.132	15.045	-6.868	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: 2018/07/06 - 17:37
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5220MHz	



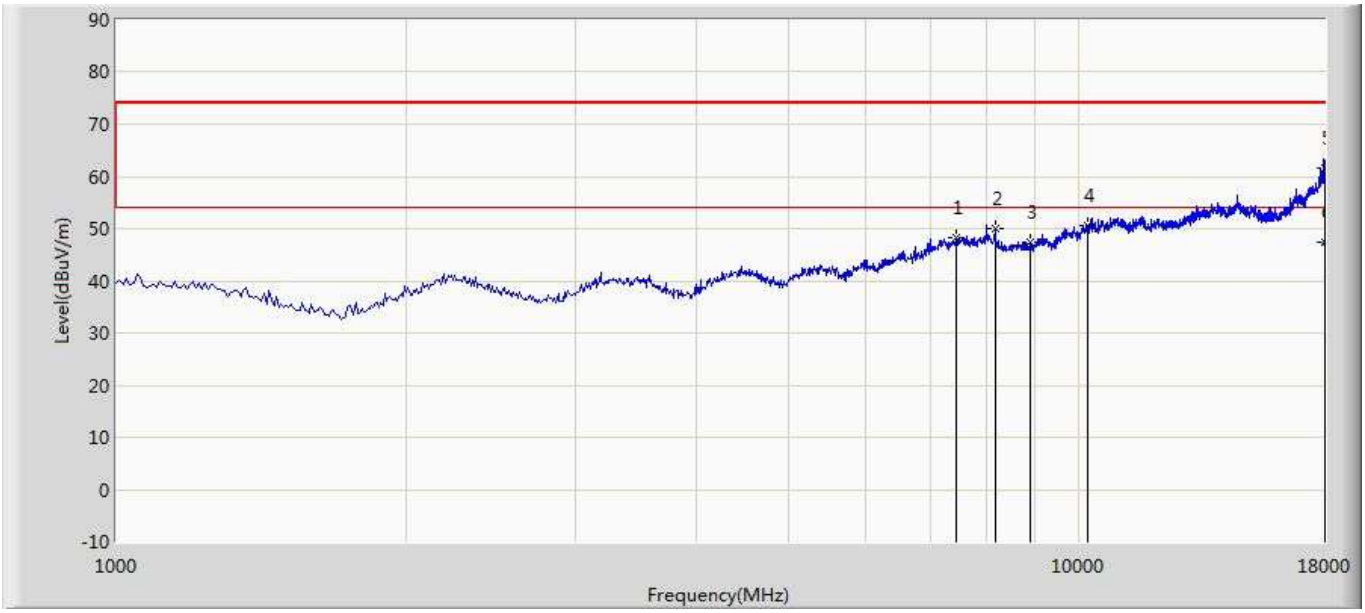
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7426.000	49.681	37.010	-4.319	54.000	12.671	PK
2			8174.000	48.562	36.530	-5.438	54.000	12.032	PK
3			10120.500	50.978	35.148	-17.222	68.200	15.829	PK
4			13163.500	53.567	33.400	-14.633	68.200	20.167	PK
5			18000.000	62.265	30.178	-11.735	74.000	32.087	PK
6		*	18000.000	47.221	15.134	-6.779	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: 2018/07/06 - 17:48
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5755MHz	



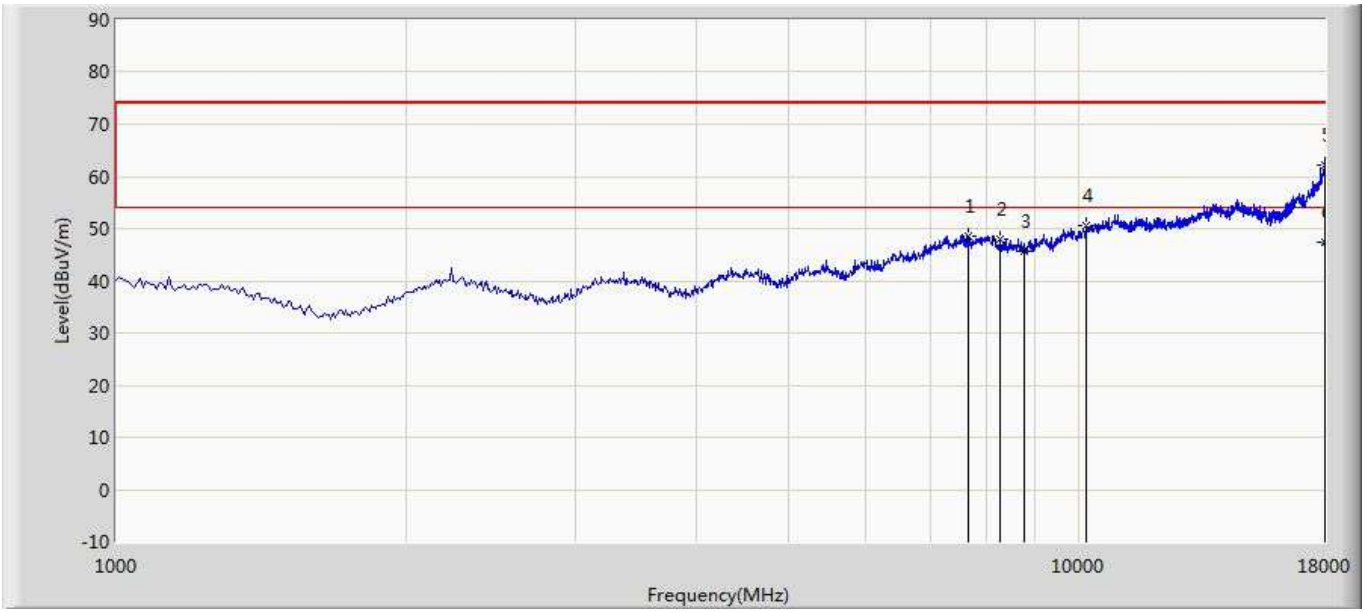
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7460.000	48.334	35.560	-5.666	54.000	12.774	PK
2			8174.000	49.960	37.928	-4.040	54.000	12.032	PK
3			8896.500	47.411	33.376	-20.789	68.200	14.034	PK
4			10214.000	50.569	34.288	-17.631	68.200	16.281	PK
5			18000.000	61.592	29.505	-12.408	74.000	32.087	PK
6		*	18000.000	47.261	15.174	-6.739	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: 2018/07/06 - 17:50
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5755MHz	



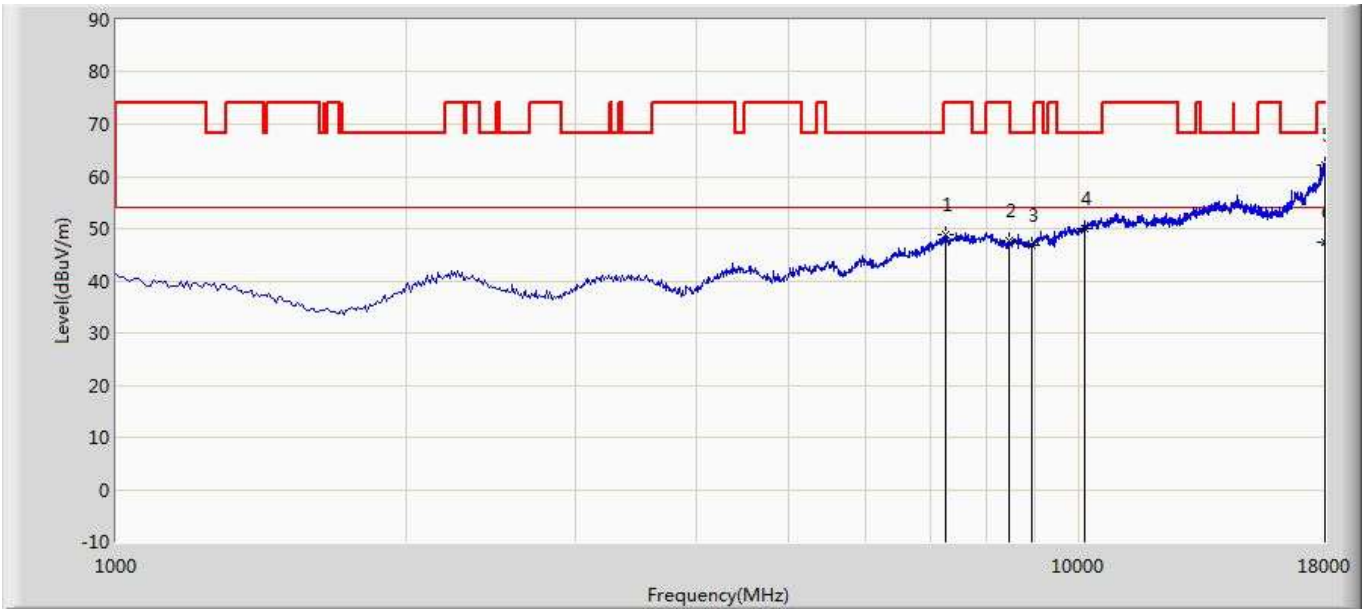
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7664.000	48.573	36.074	-5.427	54.000	12.499	PK
2			8284.500	48.114	36.222	-5.886	54.000	11.893	PK
3			8769.000	45.662	31.738	-22.538	68.200	13.924	PK
4			10180.000	50.446	34.324	-17.754	68.200	16.122	PK
5			18000.000	62.236	30.149	-11.764	74.000	32.087	PK
6		*	18000.000	47.434	15.347	-6.566	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: 2018/06/28 - 00:55
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz	



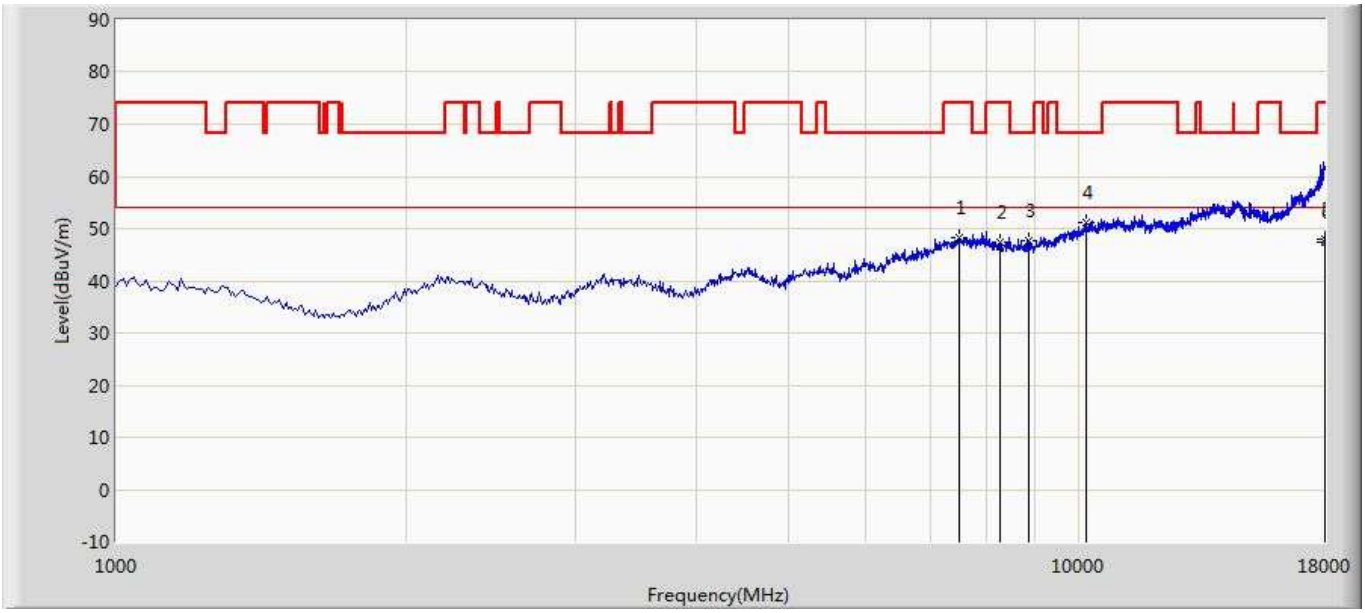
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7273.000	48.891	36.621	-5.109	54.000	12.270	PK
2			8471.500	47.763	35.128	-6.237	54.000	12.635	PK
3			8930.500	46.738	32.707	-21.462	68.200	14.031	PK
4			10146.000	49.998	34.036	-18.202	68.200	15.962	PK
5			18000.000	62.242	30.155	-11.758	74.000	32.087	PK
6		*	18000.000	47.352	15.265	-6.648	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: 2018/06/28 - 00:58
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0514)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7511.000	48.248	35.399	-5.752	54.000	12.848	PK
2			8284.500	47.335	35.443	-6.665	54.000	11.893	PK
3			8862.500	47.812	33.771	-20.388	68.200	14.041	PK
4			10154.500	51.066	35.064	-17.134	68.200	16.002	PK
5			18000.000	48.067	15.980	-25.933	74.000	32.087	PK
6		*	18000.000	47.302	15.215	-6.698	54.000	32.087	AV

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

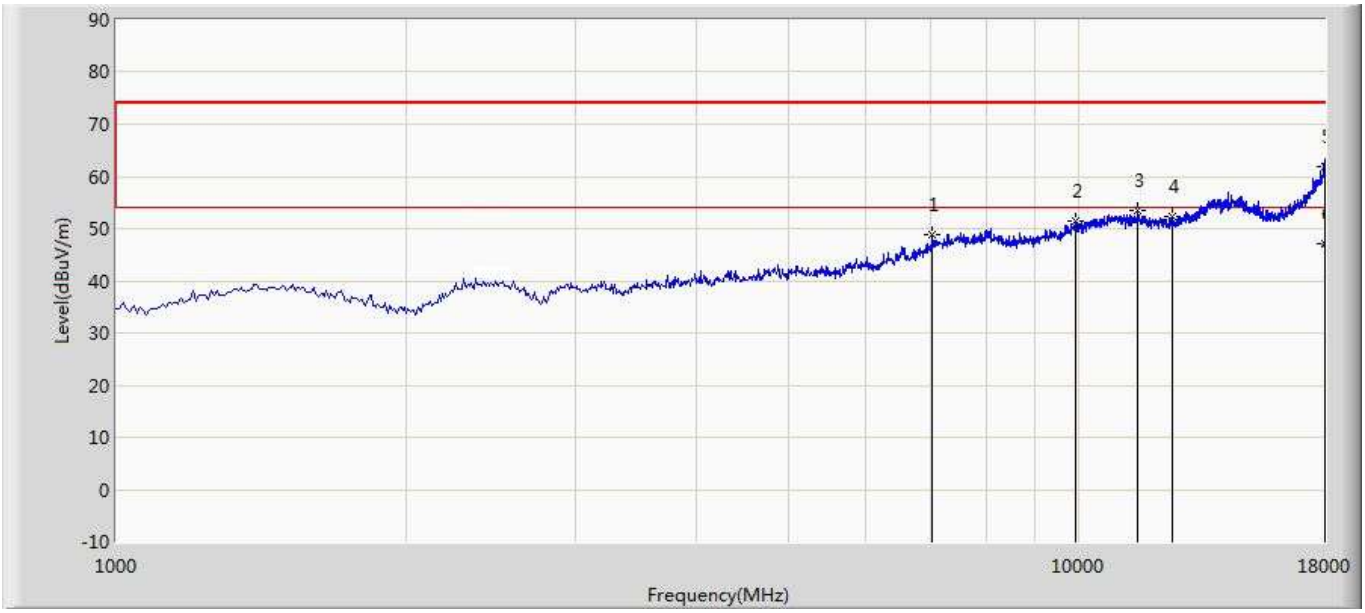
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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.

Annex - Worse Case Radiated Spurious Emission - APIN0515

2.4 GHz Wi-Fi Part

Site: AC1	Time: 2018/06/21 - 10:08
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	



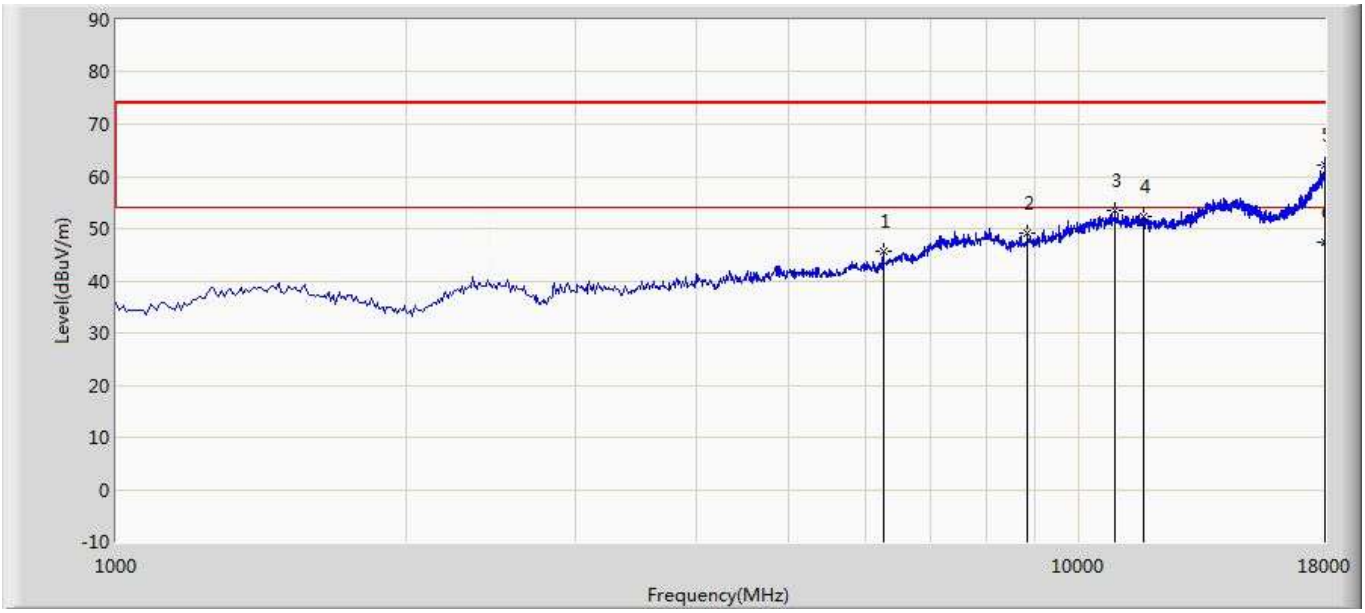
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7043.500	48.700	37.738	-34.700	83.400	10.961	PK
2			9933.500	51.519	36.214	-31.881	83.400	15.305	PK
3			11497.500	53.444	34.096	-0.556	54.000	19.347	PK
4			12509.000	52.292	33.748	-1.708	54.000	18.544	PK
5			18000.000	61.811	29.724	-12.189	74.000	32.087	PK
6		*	18000.000	47.241	15.154	-6.759	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: 2018/06/21 - 10:10
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	



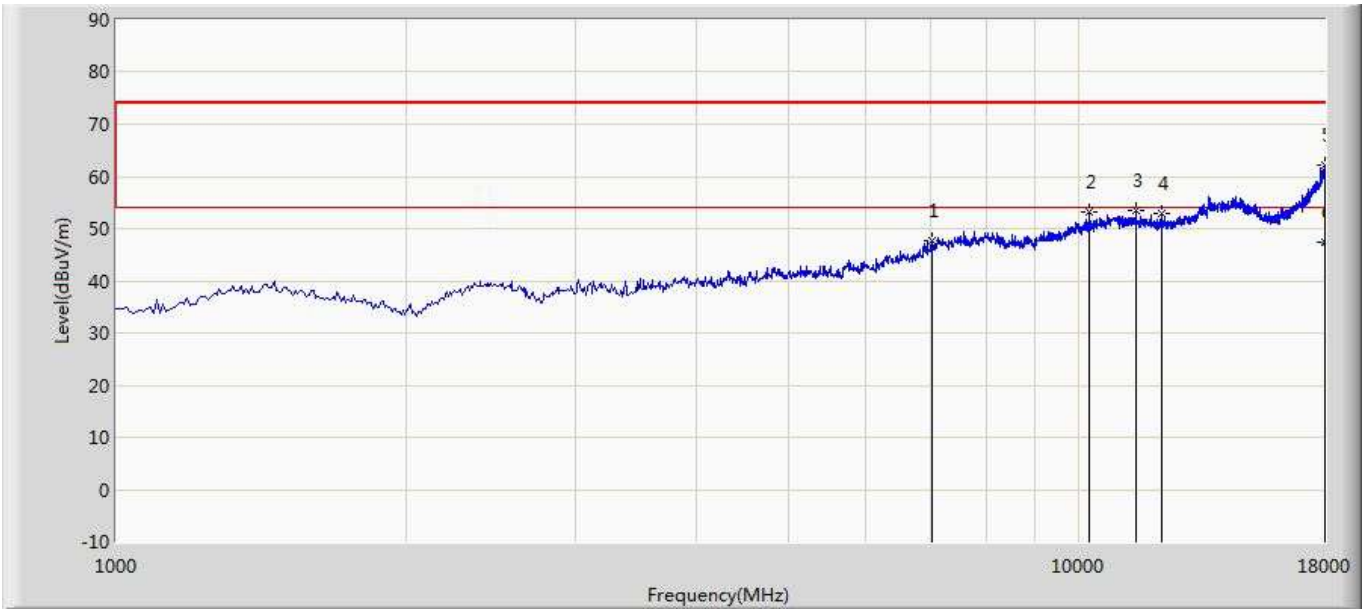
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			6261.500	45.537	38.501	-37.863	83.400	7.036	PK
2			8828.500	49.162	35.159	-34.238	83.400	14.003	PK
3			10885.500	53.388	35.121	-0.612	54.000	18.266	PK
4			11667.500	52.429	33.169	-1.571	54.000	19.260	PK
5			18000.000	62.153	30.066	-11.847	74.000	32.087	PK
6		*	18000.000	47.504	15.417	-6.496	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: 2018/06/21 - 10:18
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	



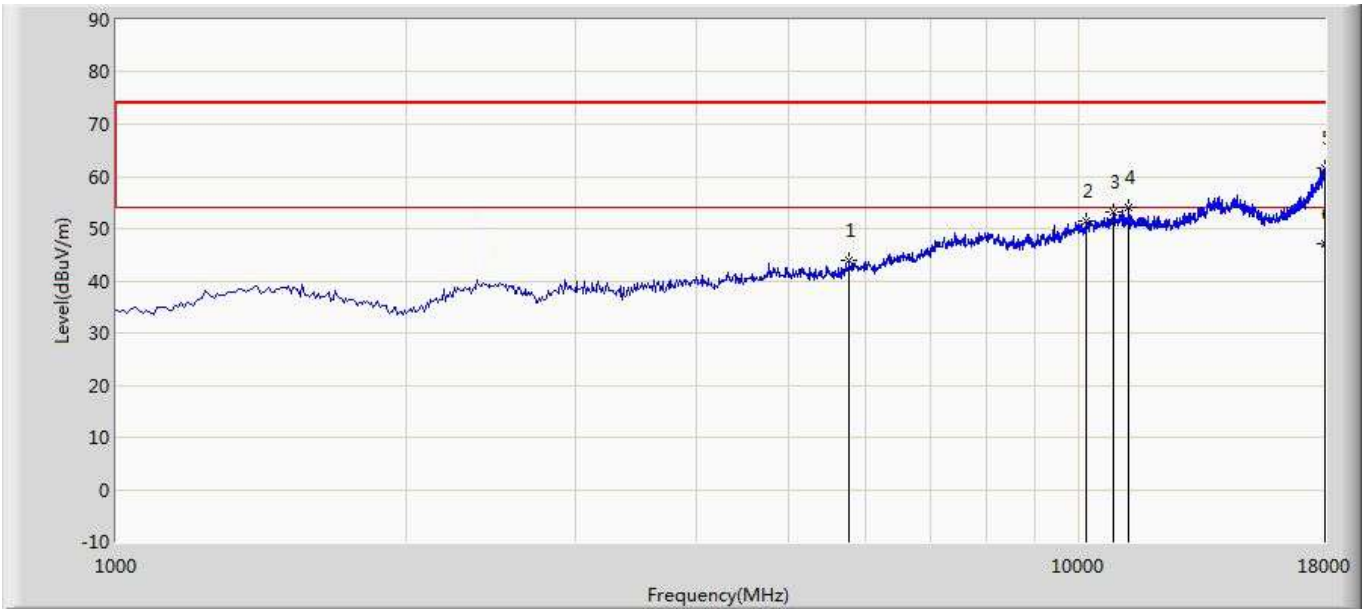
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7035.000	47.716	36.830	-33.584	81.300	10.886	PK
2			10256.500	53.056	36.584	-28.244	81.300	16.472	PK
3			11455.000	53.437	34.199	-0.563	54.000	19.238	PK
4			12203.000	52.977	34.202	-1.023	54.000	18.775	PK
5			18000.000	62.170	30.083	-11.830	74.000	32.087	PK
6		*	18000.000	47.482	15.395	-6.518	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: 2018/06/21 - 10:19
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	



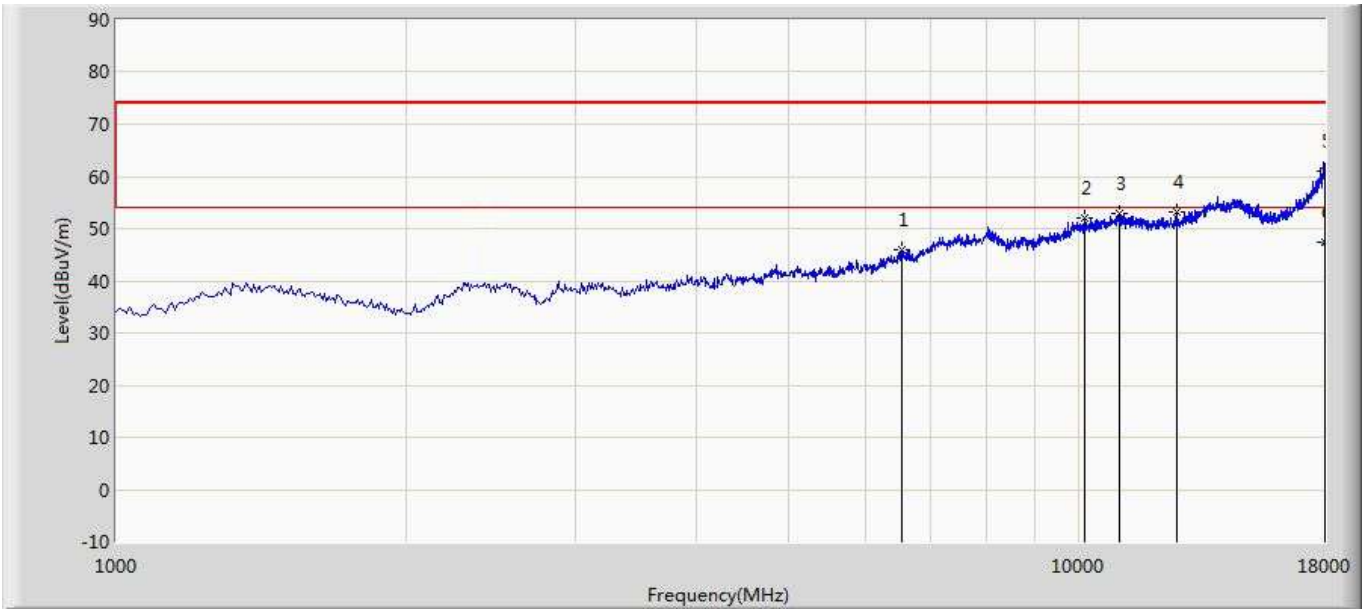
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5777.000	44.053	38.727	-37.247	81.300	5.326	PK
2			10188.500	51.528	35.367	-29.772	81.300	16.161	PK
3			10868.500	53.117	34.922	-0.883	54.000	18.196	PK
4			11268.000	53.970	35.154	-0.030	54.000	18.816	PK
5			18000.000	61.717	29.630	-12.283	74.000	32.087	PK
6		*	18000.000	47.144	15.057	-6.856	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: 2018/06/21 - 10:26
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	



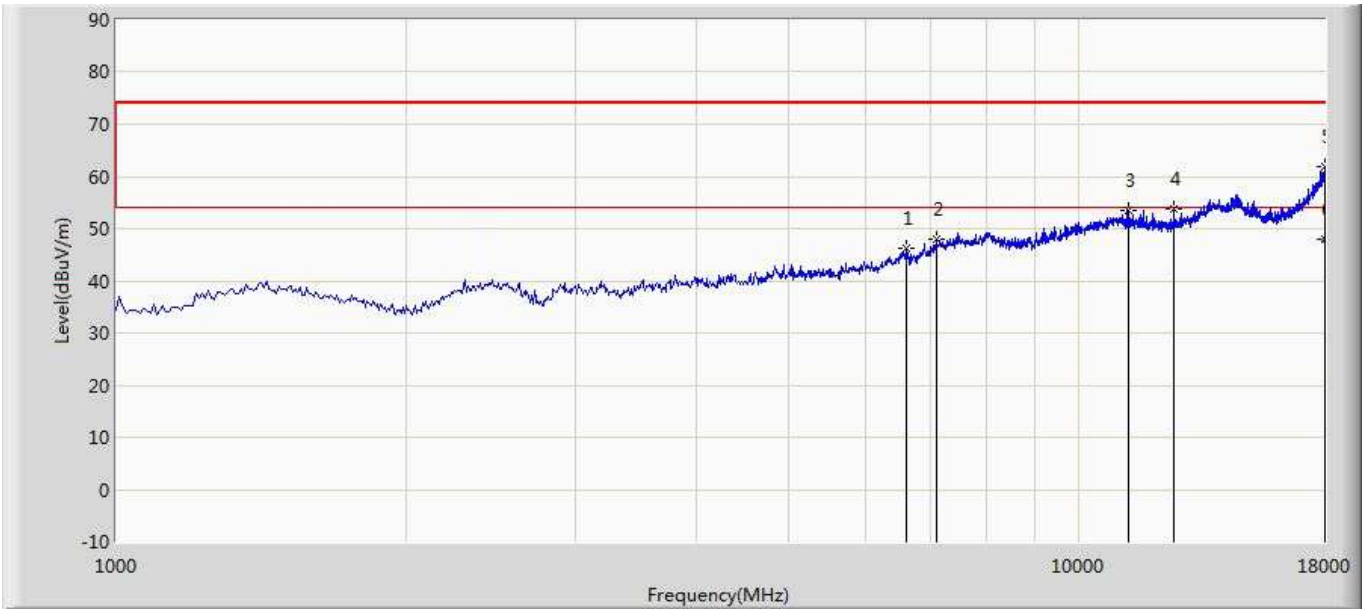
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			6550.500	45.927	37.350	-36.673	82.600	8.577	PK
2			10120.500	51.939	36.109	-30.661	82.600	15.829	PK
3			10996.000	52.854	34.392	-1.146	54.000	18.462	PK
4			12619.500	53.054	34.379	-0.946	54.000	18.675	PK
5			18000.000	61.043	28.956	-12.957	74.000	32.087	PK
6		*	18000.000	47.360	15.273	-6.640	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: 2018/06/21 - 10:27
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	



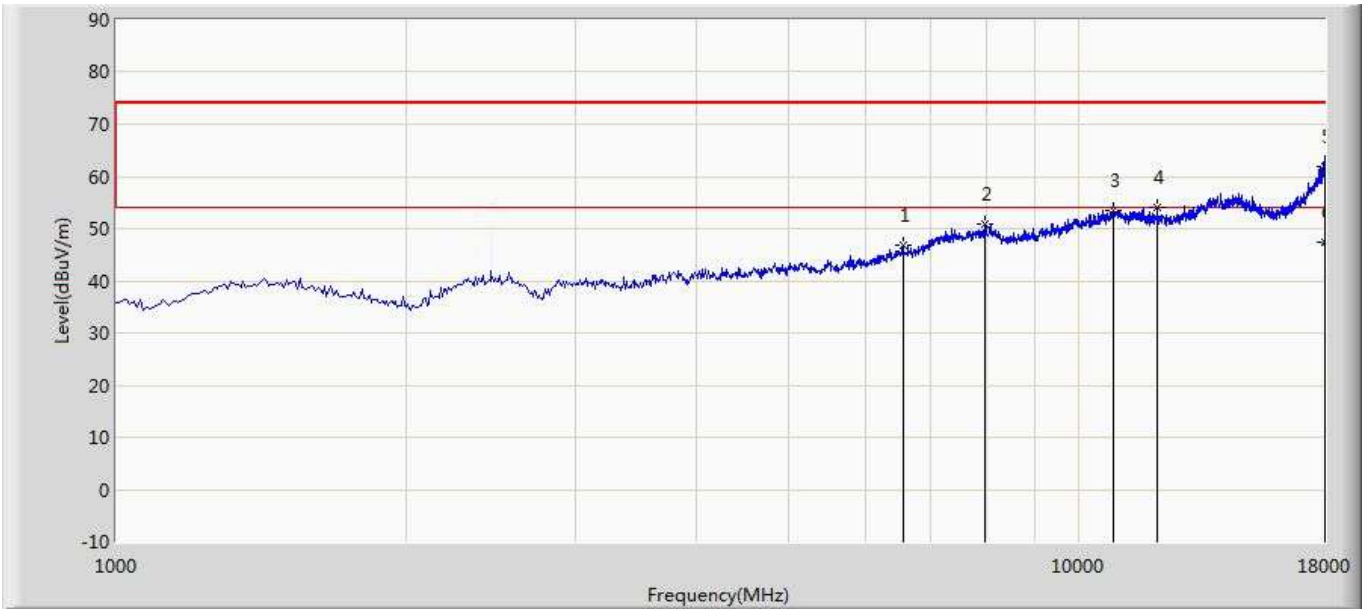
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			6610.000	46.366	37.690	-36.234	82.600	8.676	PK
2			7111.500	47.972	36.423	-34.628	82.600	11.548	PK
3			11268.000	53.533	34.717	-0.467	54.000	18.816	PK
4			12543.000	53.801	35.216	-0.199	54.000	18.585	PK
5			18000.000	61.919	29.832	-12.081	74.000	32.087	PK
6		*	18000.000	47.833	15.746	-6.167	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: 2018/06/21 - 10:41
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz	



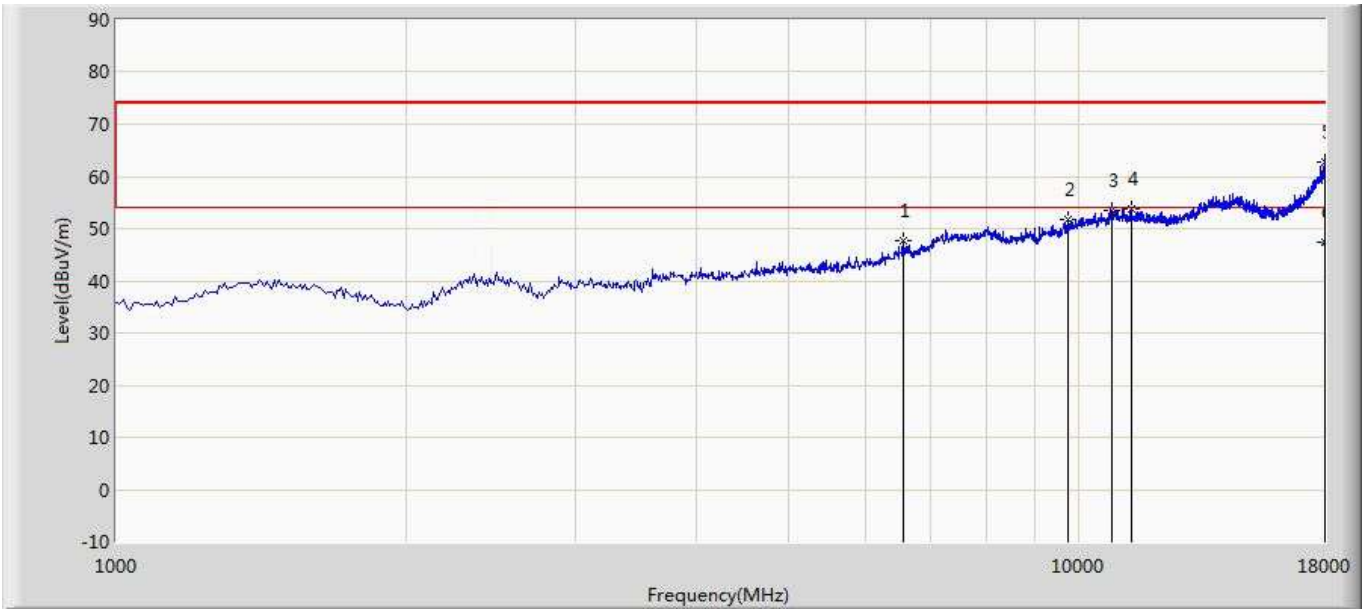
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			6559.000	46.690	38.088	-31.710	78.400	8.602	PK
2			7995.500	50.864	38.363	-27.536	78.400	12.501	PK
3			10851.500	53.586	35.464	-0.414	54.000	18.122	PK
4			12067.000	41.400	35.200	-12.600	54.000	18.848	PK
5			18000.000	61.782	29.695	-12.218	74.000	32.087	PK
6		*	18000.000	47.464	15.377	-6.536	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: 2018/06/21 - 10:43
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz	



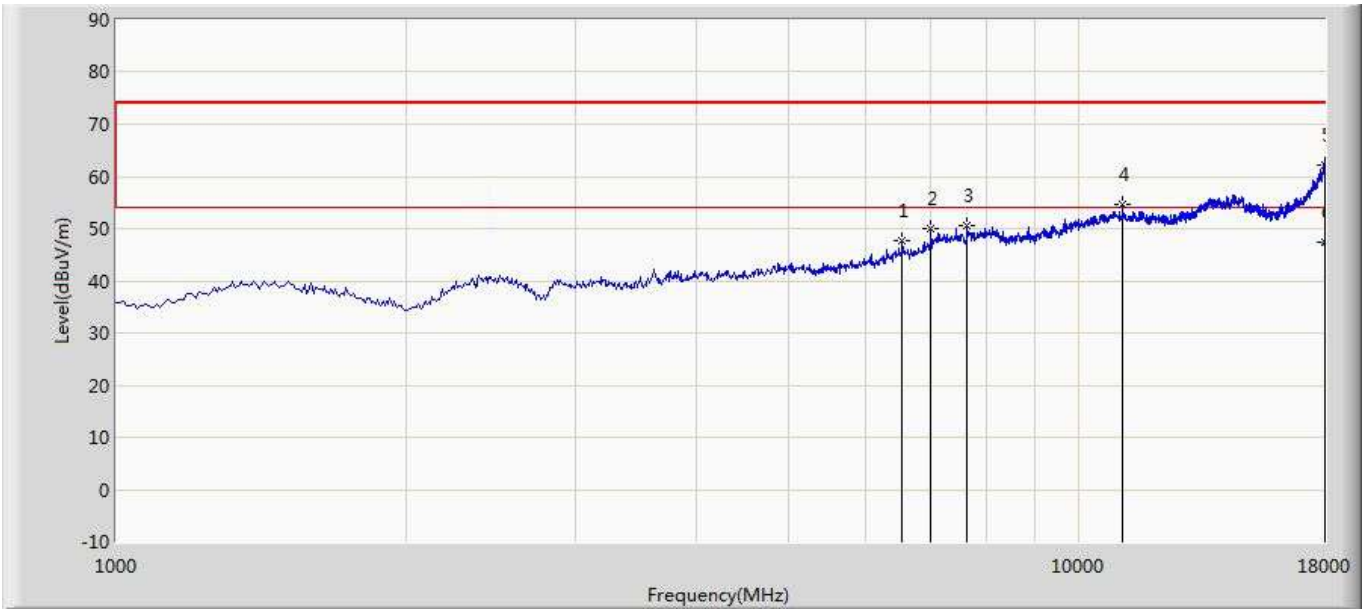
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			6559.000	47.678	39.076	-30.722	78.400	8.602	PK
2			9746.500	51.685	36.896	-26.715	78.400	14.789	PK
3			10809.000	53.538	35.594	-0.462	54.000	17.944	PK
4			11327.500	41.400	34.936	-12.600	54.000	18.937	PK
5			18000.000	62.667	30.580	-11.333	74.000	32.087	PK
6		*	18000.000	47.475	15.388	-6.525	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: 2018/06/21 - 10:56
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2412MHz	



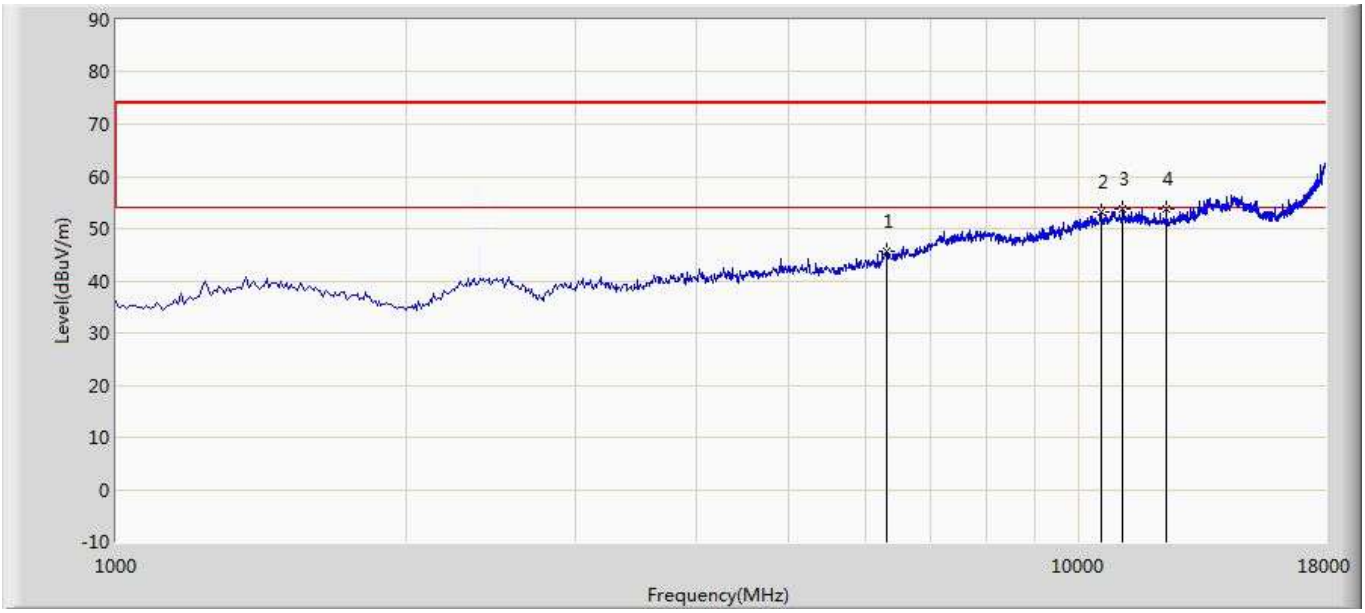
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			6550.500	47.600	39.023	-35.700	83.300	8.577	PK
2			7018.000	50.002	39.269	-33.298	83.300	10.733	PK
3			7655.500	50.596	38.076	-3.404	54.000	12.519	PK
4			11089.500	40.900	35.935	-13.100	74.000	18.587	PK
5			18000.000	62.163	30.076	-11.837	74.000	32.087	PK
6		*	18000.000	47.442	15.355	-6.558	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: 2018/06/21 - 10:58
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 2412MHz	



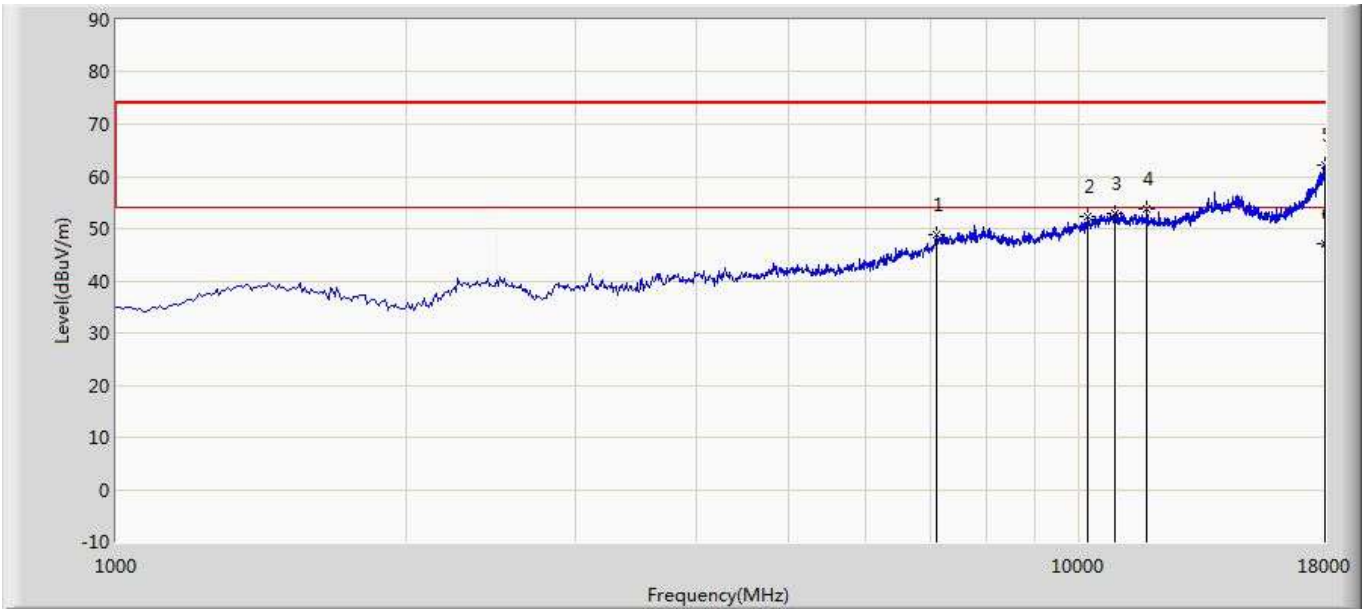
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			6304.000	45.771	38.568	-37.529	83.300	7.202	PK
2			10528.500	53.306	36.099	-29.994	83.300	17.207	PK
3		*	11106.500	41.600	35.147	-12.400	54.000	18.610	PK
4			12313.500	41.600	35.147	-12.400	54.000	18.526	PK

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: 2018/06/21 - 11:12
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2452MHz	



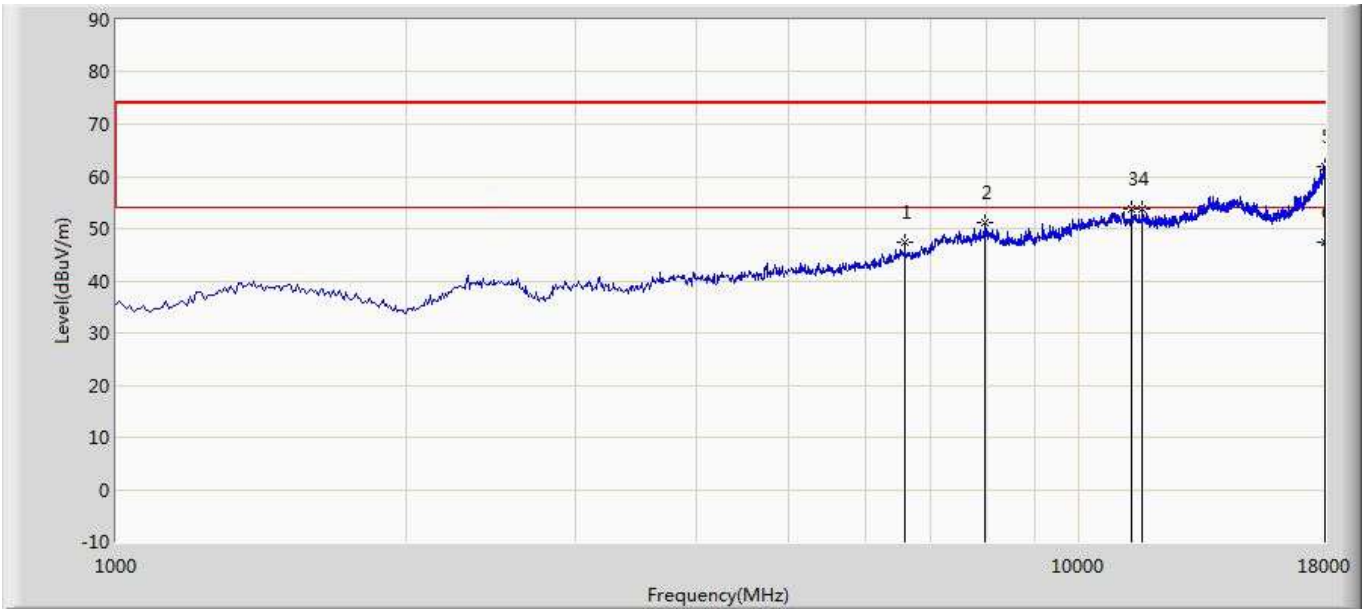
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7103.000	48.815	37.330	-30.985	79.800	11.485	PK
2			10205.500	52.259	36.018	-27.541	79.800	16.242	PK
3			10877.000	40.600	34.791	-13.400	54.000	18.232	PK
4			11769.500	41.400	35.019	-12.600	54.000	18.843	PK
5			18000.000	62.270	30.183	-11.730	74.000	32.087	PK
6		*	18000.000	47.144	15.057	-6.856	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: 2018/06/21 - 11:14
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 2452MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7103.000	47.282	38.619	-32.518	79.800	8.663	PK
2			10205.500	51.078	38.582	-28.722	79.800	12.496	PK
3			10877.000	40.600	34.856	-13.400	54.000	18.976	PK
4			11769.500	41.400	34.352	-12.600	54.000	19.392	PK
5			18000.000	61.892	29.805	-12.108	74.000	32.087	PK
6		*	18000.000	47.441	15.354	-6.559	54.000	32.087	AV

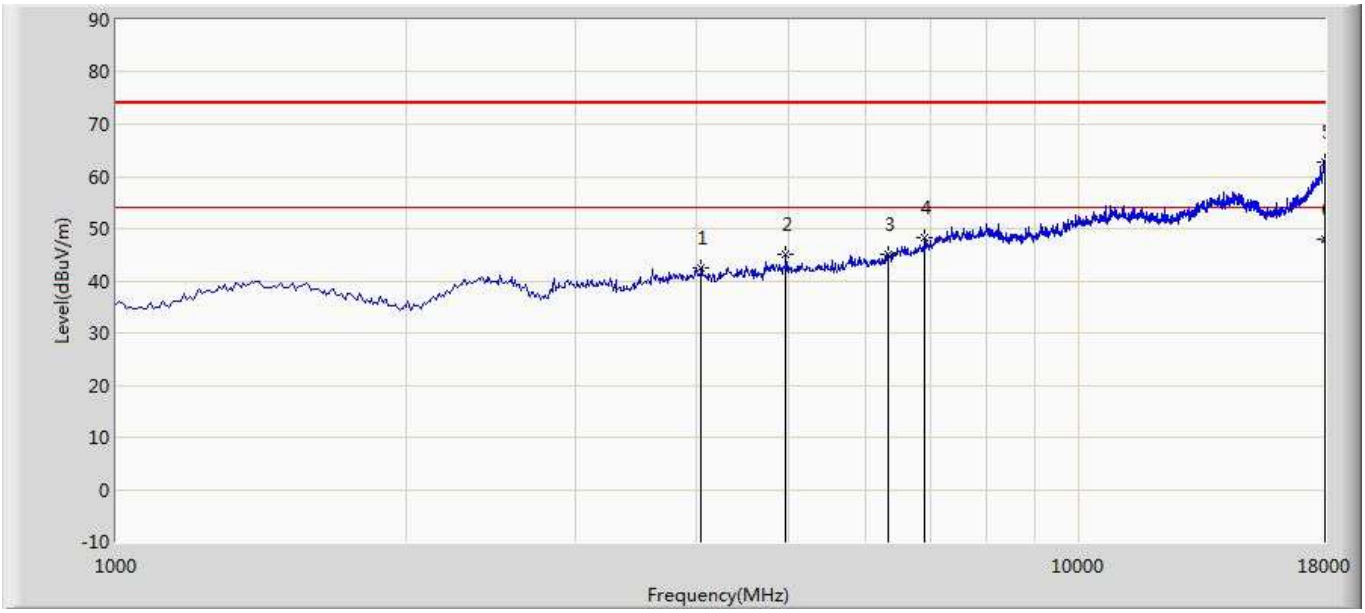
Note1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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.

2.4GHz Bluetooth Part

Site: AC1	Time: 2018/07/07 - 19:24
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by BLE at Channel 2440MHz	



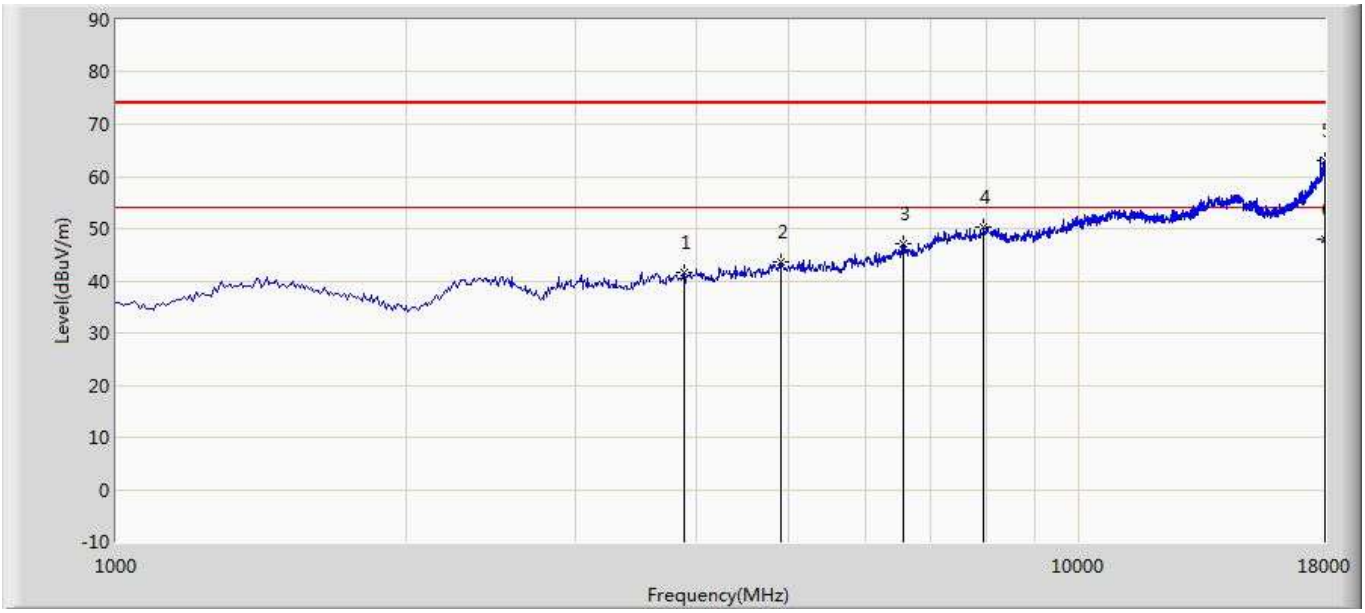
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			4051.500	42.411	41.865	-11.589	54.000	0.546	PK
2			4961.000	45.117	41.421	-8.883	54.000	3.696	PK
3			6329.500	45.154	37.829	-38.446	83.600	7.325	PK
4			6916.000	48.274	38.347	-35.326	83.600	9.927	PK
5			18000.000	62.842	30.755	-11.158	74.000	32.087	PK
6			18000.000	47.977	15.890	-6.023	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: 2018/07/07 - 19:26
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by BLE at Channel 2440MHz	



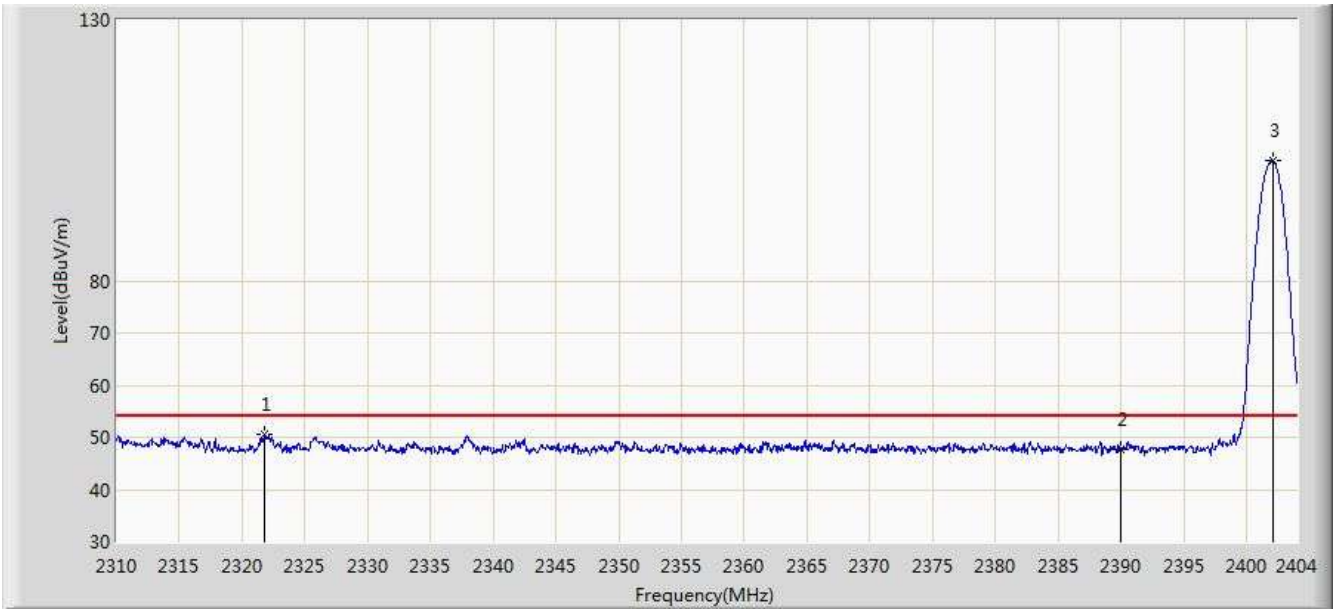
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3890.000	41.625	41.319	-12.375	54.000	0.306	PK
2			4901.500	43.505	39.853	-10.495	54.000	3.652	PK
3			6567.500	47.041	38.424	-36.559	83.600	8.618	PK
4			7961.500	50.160	37.690	-33.440	83.600	12.471	PK
5			18000.000	63.111	31.024	-10.889	74.000	32.087	PK
6		*	18000.000	47.910	15.823	-6.090	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: 2018/07/07 - 18:58
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by BLE at Channel 2402MHz	



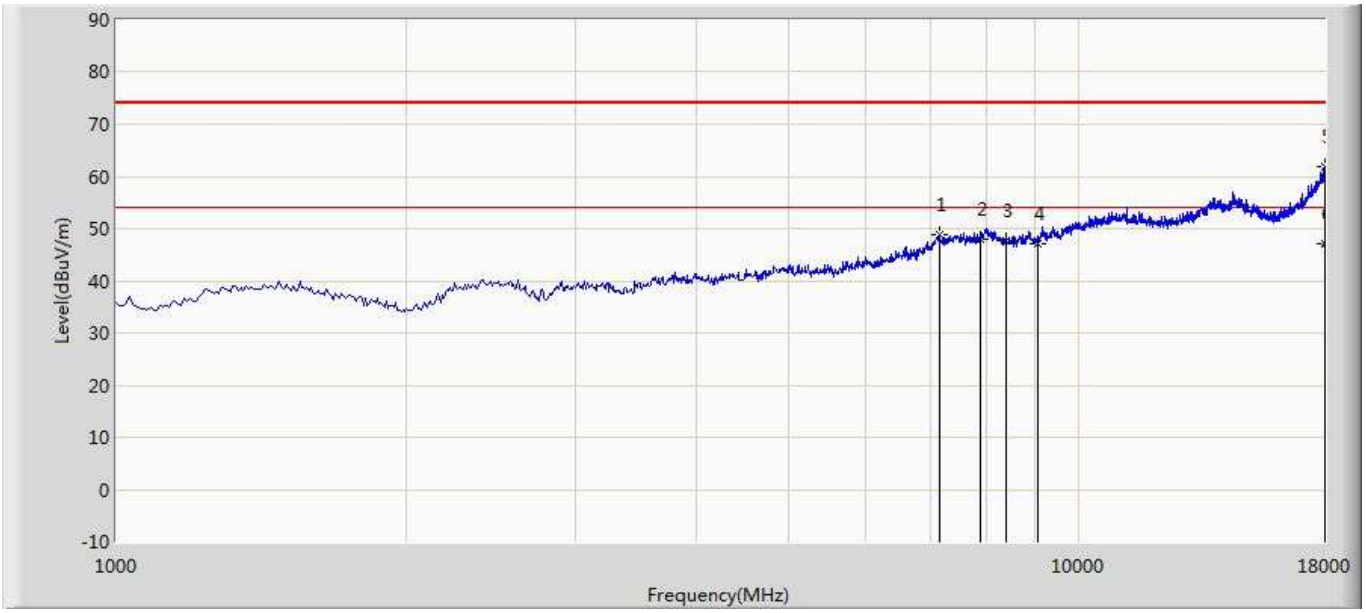
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2321.797	50.453	17.725	-3.547	54.000	32.728	AV
2			2390.000	47.793	15.239	-6.207	54.000	32.554	AV
3		*	2402.073	103.040	70.502	N/A	N/A	32.538	AV

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

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

2.4GHz ZigBee Part

Site: AC1	Time: 2018/06/23 - 15:17
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by ZigBee at Channel 2480MHz	



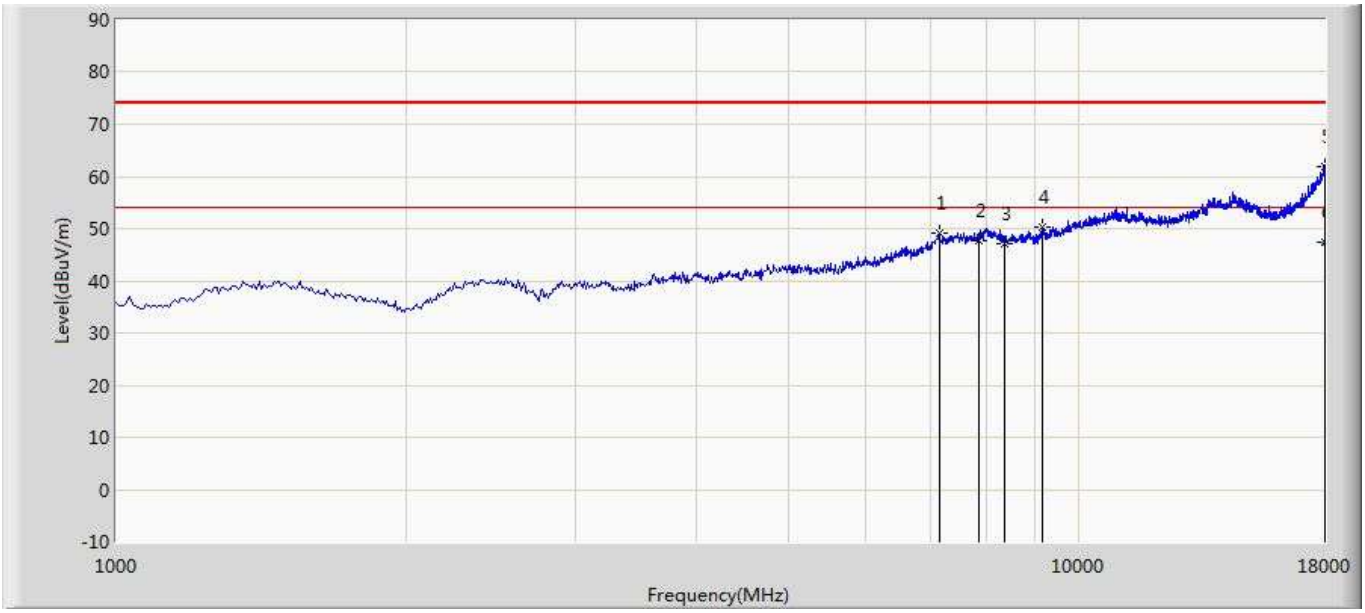
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7154.000	48.770	36.916	-25.830	48.800	11.854	PK
2			7910.500	47.898	35.472	-26.702	47.900	12.426	PK
3			8386.500	47.712	35.581	-6.288	47.700	12.131	PK
4			9049.500	47.096	32.877	-6.904	47.100	14.220	PK
5			18000.000	61.848	29.761	-12.152	74.000	32.087	PK
6			18000.000	47.127	15.040	-6.873	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: 2018/06/23 - 15:23
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by ZigBee at Channel 2480MHz	



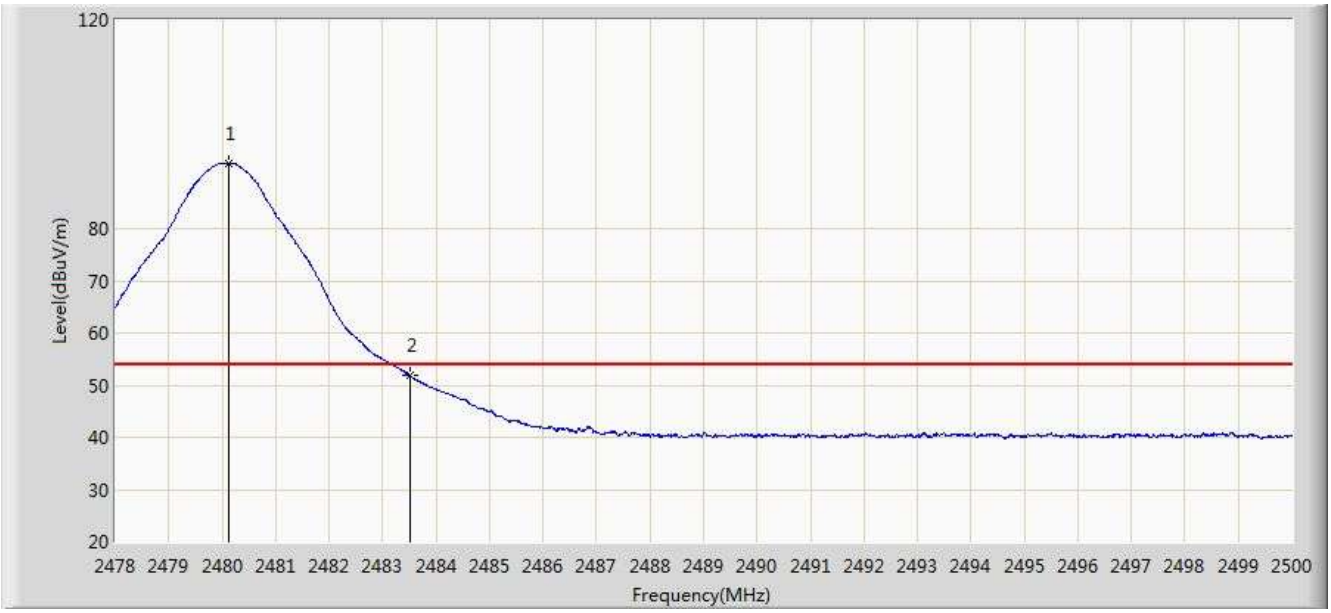
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7154.000	48.991	37.137	-25.609	49.000	11.854	PK
2			7876.500	47.765	35.358	-26.835	47.800	12.407	PK
3			8361.000	47.059	35.043	-6.941	47.000	12.015	PK
4			9143.000	50.429	35.788	-3.571	50.400	14.641	PK
5			18000.000	61.848	29.761	-12.152	74.000	32.087	PK
6		*	18000.000	47.437	15.350	-6.563	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: 2018/07/08 - 13:49
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by ZigBee at Channel 2480MHz	



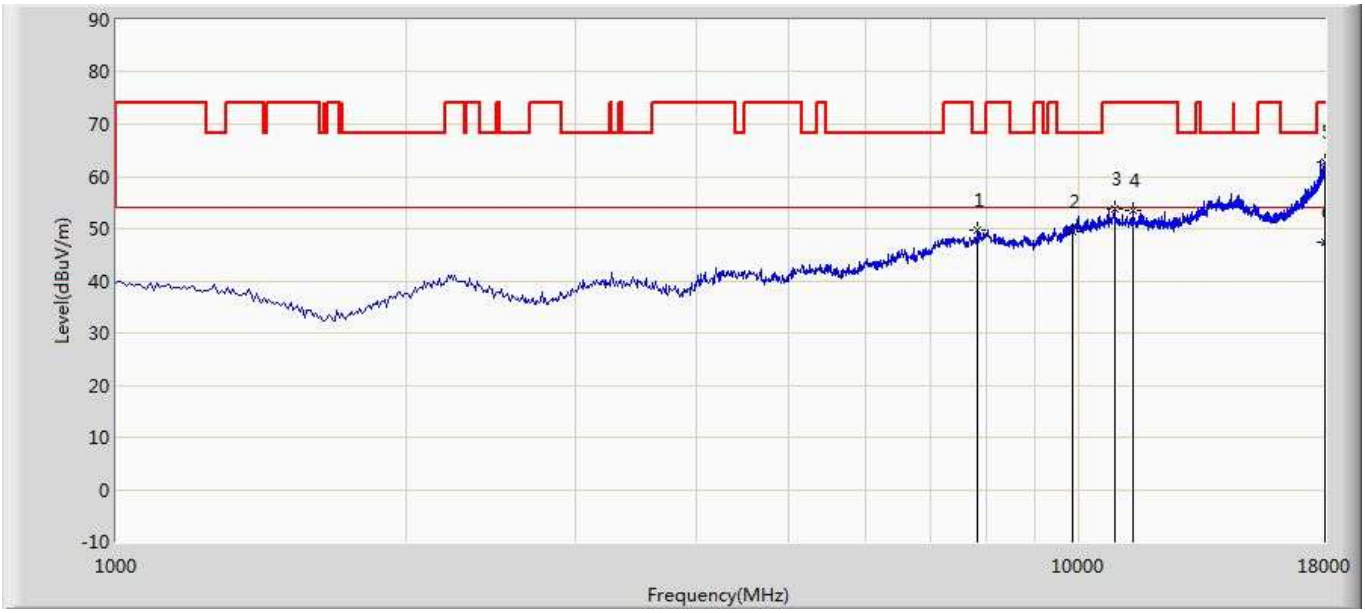
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.112	92.536	59.966	N/A	N/A	32.570	AV
2			2483.500	51.793	19.212	-2.207	54.000	32.580	AV

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

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

5GHz Wi-Fi Part

Site: AC1	Time: 2018/06/23 - 01:41
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	



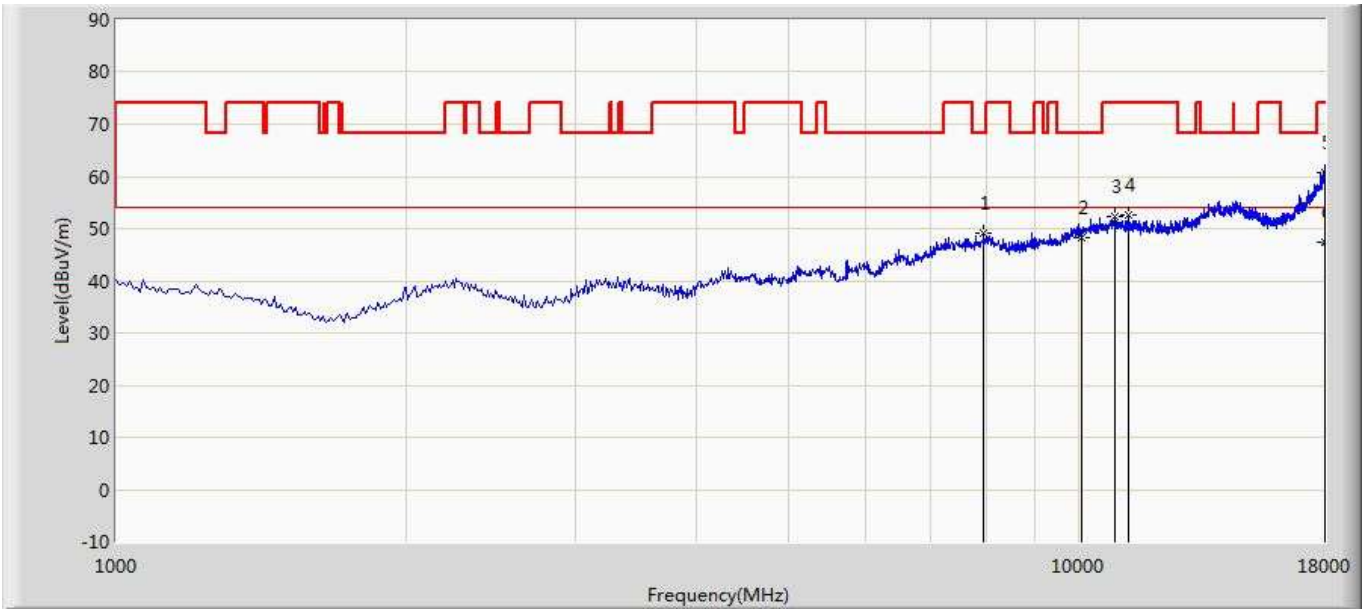
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7842.500	49.770	37.376	-18.430	68.200	12.393	PK
2			9857.000	49.552	33.365	-18.648	68.200	16.187	PK
3			10885.500	53.833	35.566	-0.167	54.000	18.266	PK
4			11395.500	53.380	34.293	-0.620	54.000	19.087	PK
5			18000.000	62.740	30.653	-11.260	74.000	32.087	PK
6		*	18000.000	47.323	15.236	-6.677	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: 2018/06/23 - 01:43
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	



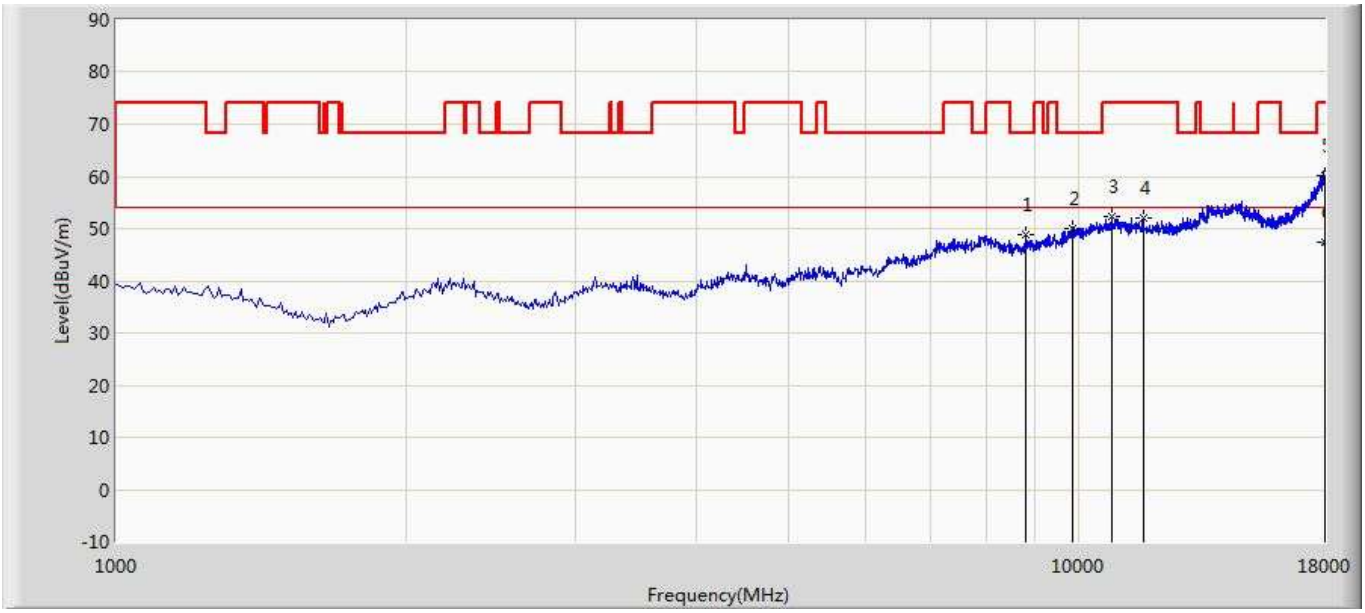
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7953.000	49.230	36.767	-18.970	68.200	12.463	PK
2			10061.000	48.236	32.679	-19.964	68.200	15.557	PK
3			10877.000	52.378	34.146	-1.622	54.000	18.232	PK
4			11268.000	52.698	33.882	-1.302	54.000	18.816	PK
5			18000.000	60.802	28.715	-13.198	74.000	32.087	PK
6		*	18000.000	47.397	15.310	-6.603	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: 2018/06/23 - 03:25
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5220MHz	



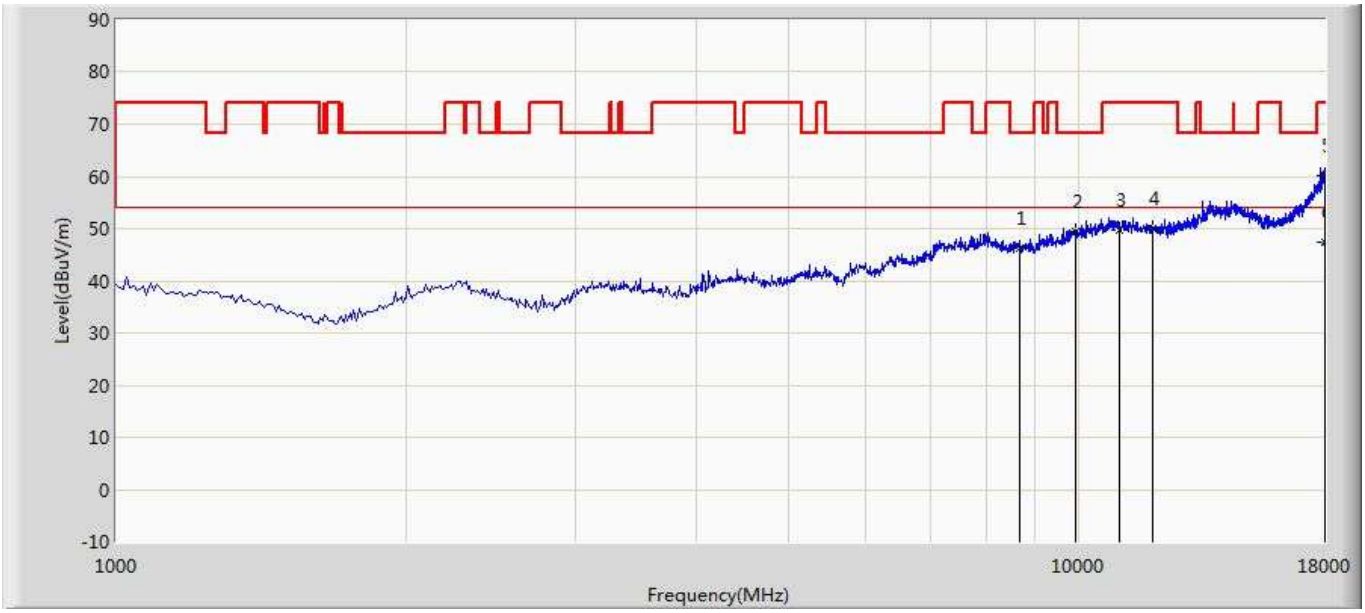
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8811.500	48.732	34.760	-19.468	68.200	13.972	PK
2			9857.000	50.027	33.840	-18.173	68.200	16.187	PK
3			10809.000	52.273	34.329	-1.727	54.000	17.944	PK
4			11676.000	52.043	32.817	-1.957	54.000	19.226	PK
5			18000.000	60.033	27.946	-13.967	74.000	32.087	PK
6		*	18000.000	47.321	15.234	-6.679	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: 2018/06/23 - 03:26
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5220MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8684.000	46.346	32.653	-21.854	68.200	13.694	PK
2			9908.000	49.296	34.024	-18.904	68.200	15.272	PK
3			11021.500	49.698	31.213	-4.302	54.000	18.486	PK
4			11922.500	50.122	31.503	-3.878	54.000	18.619	PK
5			18000.000	60.082	27.995	-13.918	74.000	32.087	PK
6		*	18000.000	47.323	15.236	-6.677	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: 2018/07/02 - 16:06
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz	

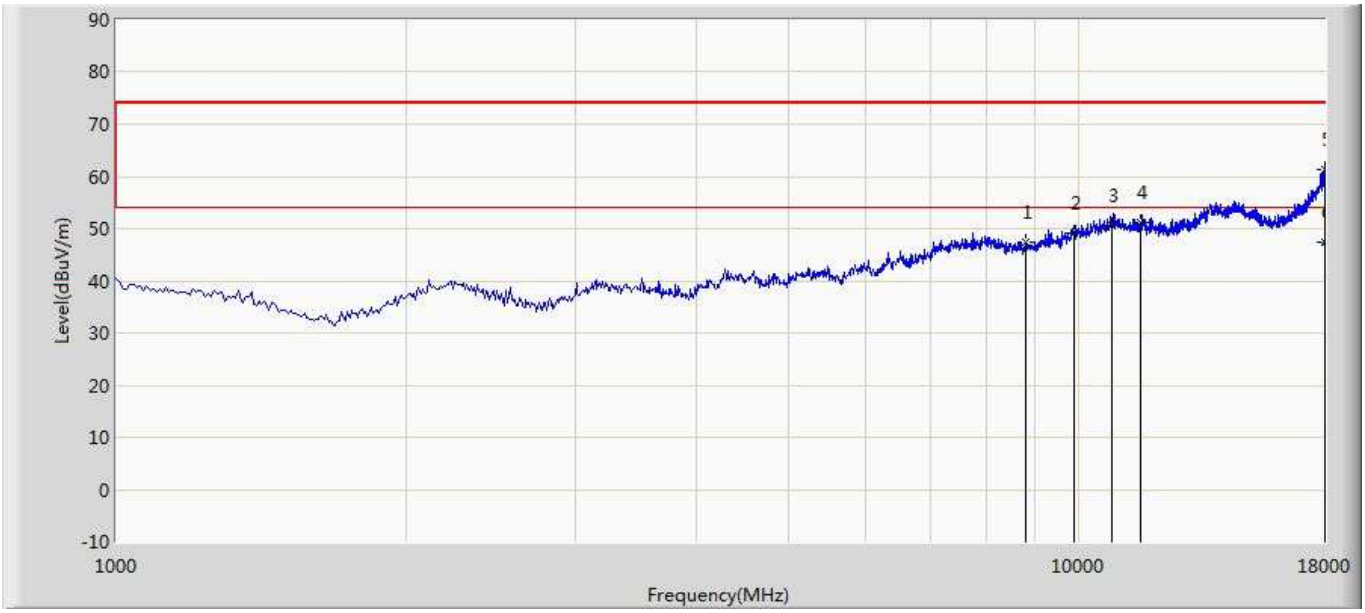
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8862.500	46.685	32.644	-21.515	68.200	14.041	PK
2			9967.500	50.490	35.148	-17.710	68.200	15.342	PK
3			10834.500	52.659	34.608	-1.341	54.000	18.052	PK
4			12279.500	51.469	32.875	-2.531	54.000	18.595	PK
5			18000.000	60.437	28.350	-13.563	74.000	32.087	PK
6		*	18000.000	47.235	15.148	-6.765	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: 2018/07/02 - 16:07
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz	



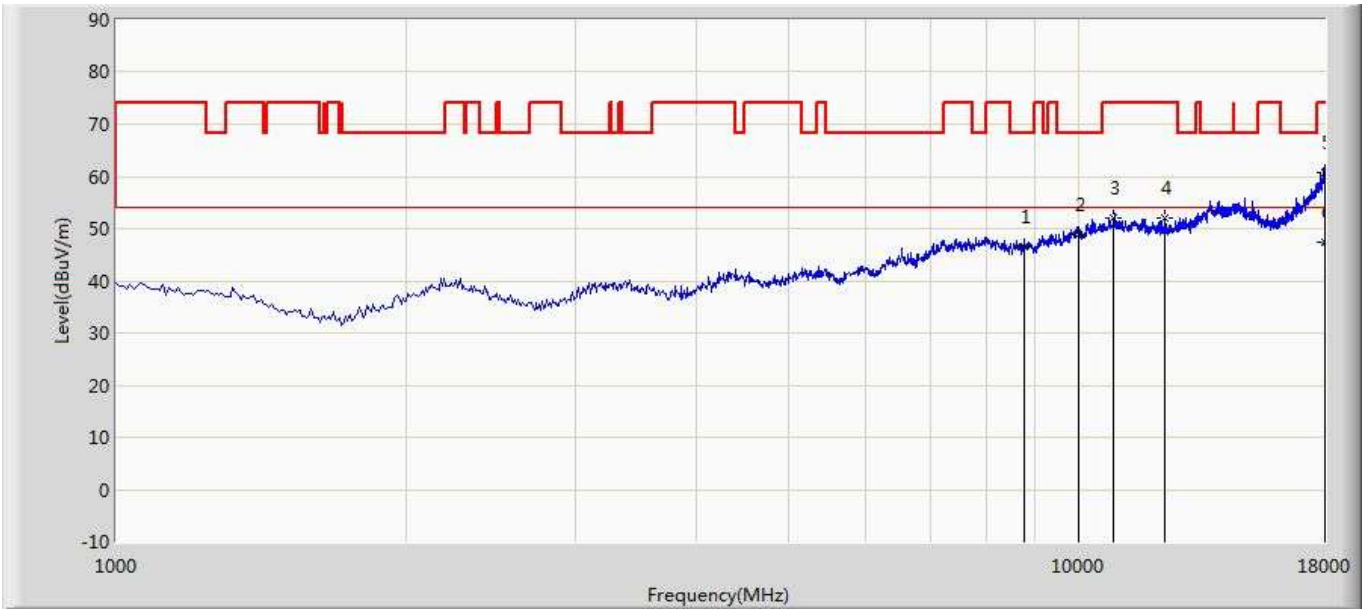
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8811.500	47.444	33.472	-20.756	68.200	13.972	PK
2			9865.500	49.229	33.225	-24.771	74.000	16.005	PK
3			10817.500	50.665	32.685	-3.335	54.000	17.980	PK
4			11582.500	51.184	31.729	-2.816	54.000	19.456	PK
5			18000.000	61.353	29.266	-12.647	74.000	32.087	PK
6		*	18000.000	47.334	15.247	-6.666	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: 2018/06/23 - 04:16
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5690MHz	



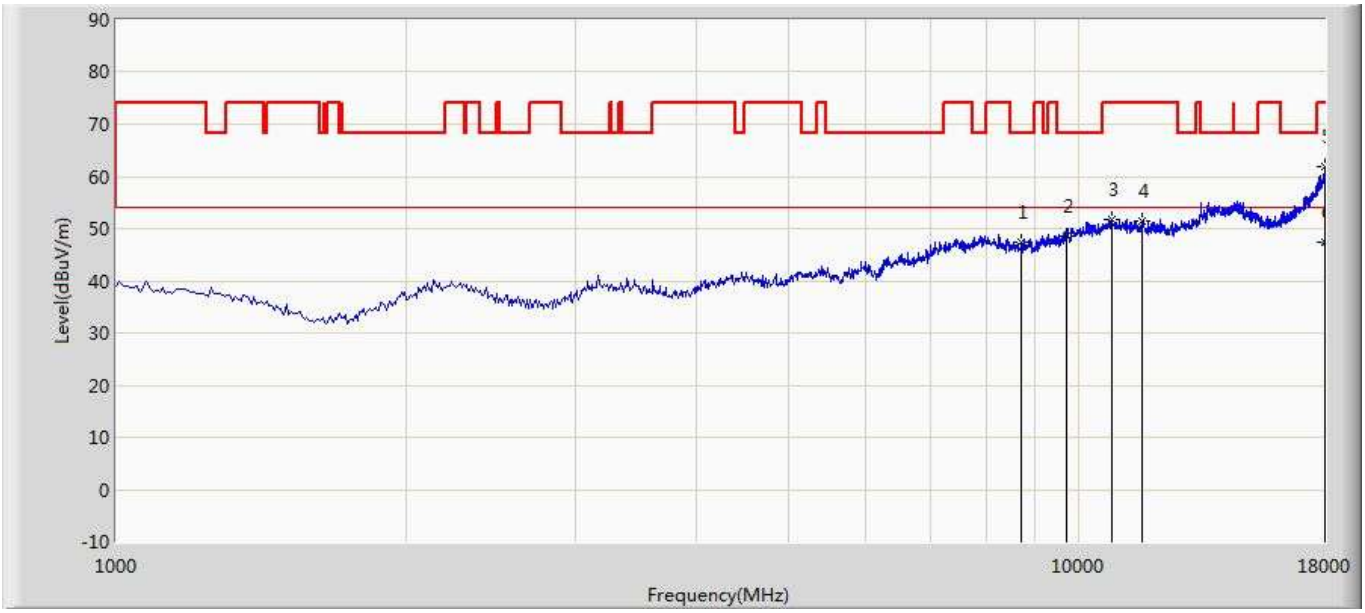
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8769.000	46.532	32.608	-21.668	68.200	13.924	PK
2			9976.000	48.785	33.436	-19.415	68.200	15.349	PK
3			10860.000	52.132	33.973	-1.868	54.000	18.159	PK
4			12288.000	51.933	33.352	-2.067	54.000	18.580	PK
5			18000.000	60.835	28.748	-13.165	74.000	32.087	PK
6		*	18000.000	47.504	15.417	-6.496	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: 2018/06/23 - 04:17
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5690MHz	



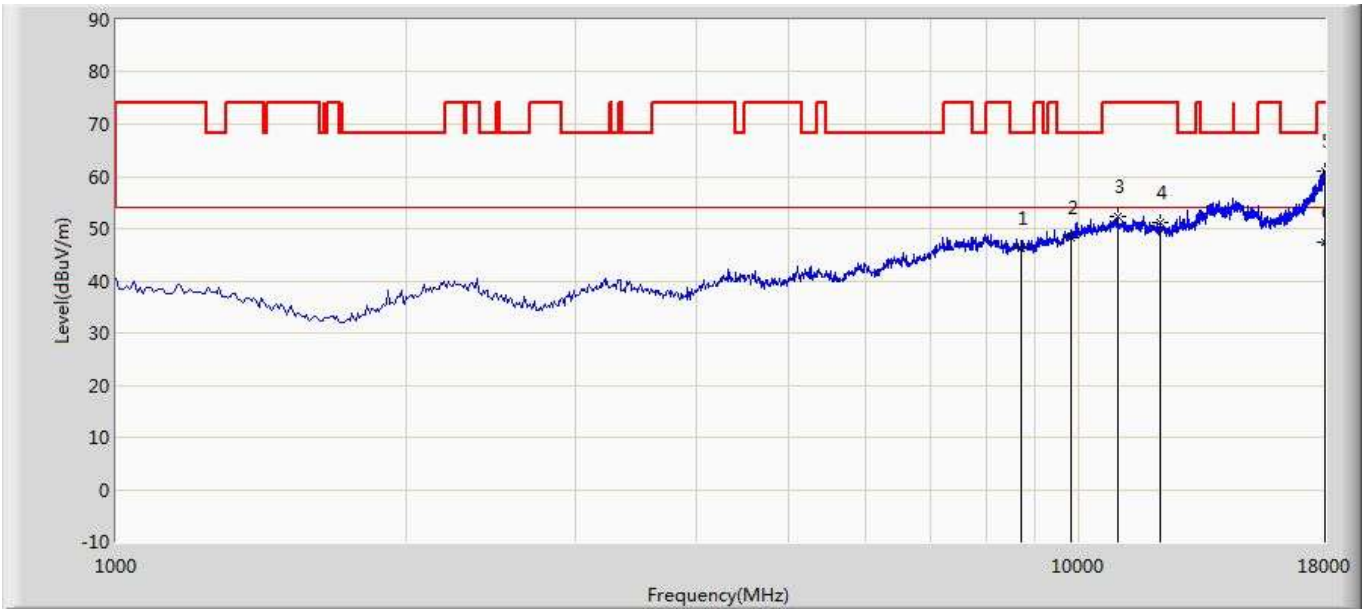
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8709.500	47.410	33.627	-20.790	68.200	13.784	PK
2			9687.000	48.661	34.074	-19.539	68.200	14.587	PK
3			10826.000	51.761	33.746	-2.239	54.000	18.015	PK
4			11608.000	51.461	32.027	-2.539	54.000	19.434	PK
5			18000.000	61.853	29.766	-12.147	74.000	32.087	PK
6		*	18000.000	47.297	15.210	-6.703	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: 2018/06/23 - 04:47
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5320MHz	



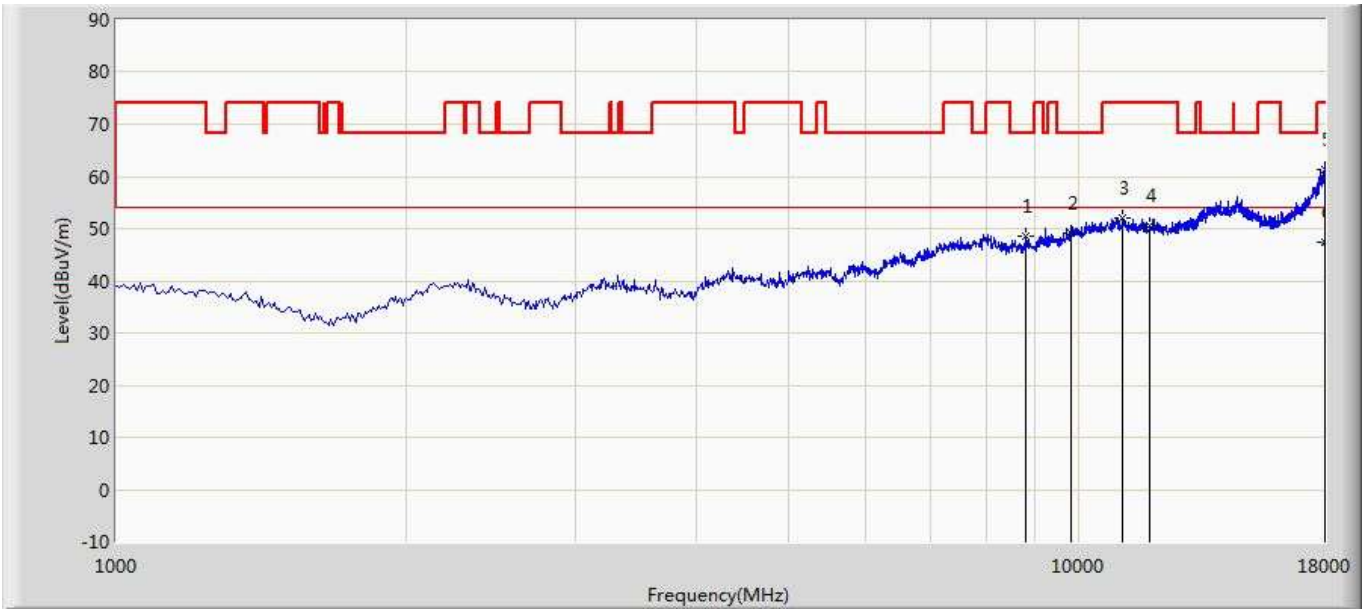
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8692.500	46.142	32.416	-22.058	68.200	13.726	PK
2			9814.500	48.302	32.897	-19.898	68.200	15.405	PK
3			10970.500	52.390	33.942	-1.610	54.000	18.447	PK
4			12126.500	51.175	32.304	-2.825	54.000	18.871	PK
5			18000.000	60.890	28.803	-13.110	74.000	32.087	PK
6		*	18000.000	47.334	15.247	-6.666	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: 2018/06/23 - 04:48
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5320MHz	



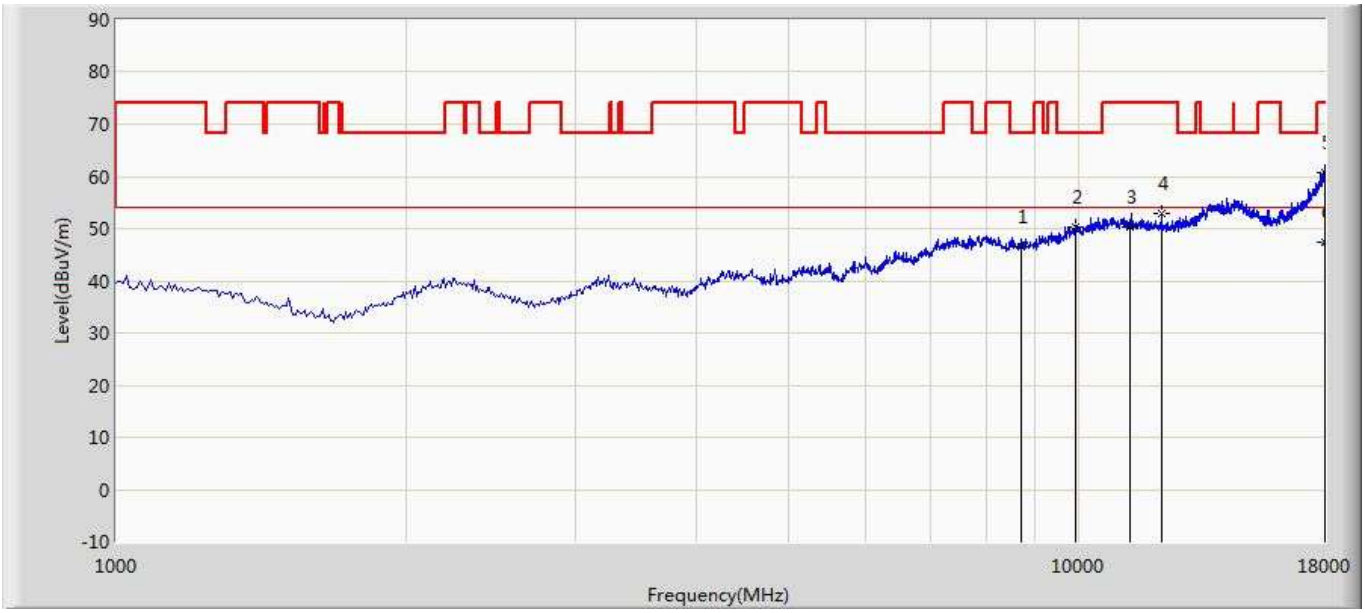
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8811.500	48.694	34.722	-19.506	68.200	13.972	PK
2			9823.000	49.233	33.605	-18.967	68.200	15.628	PK
3			11089.500	52.081	33.494	-1.919	54.000	18.587	PK
4			11846.000	50.542	31.848	-3.458	54.000	18.694	PK
5			18000.000	61.174	29.087	-12.826	74.000	32.087	PK
6		*	18000.000	47.303	15.216	-6.697	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: 2018/06/23 - 05:10
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5510MHz	



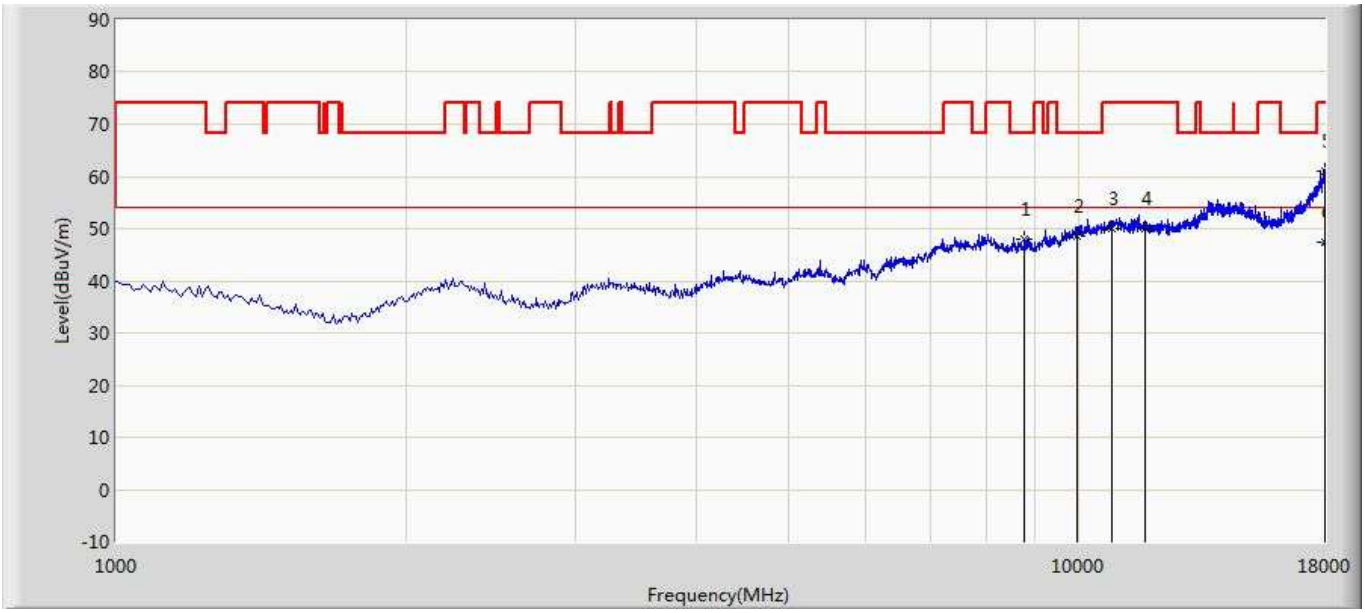
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8718.000	46.527	32.717	-21.673	68.200	13.810	PK
2			9925.000	50.163	34.869	-18.037	68.200	15.294	PK
3			11276.500	50.152	31.321	-3.848	54.000	18.830	PK
4			12177.500	52.981	34.156	-1.019	54.000	18.825	PK
5			18000.000	60.675	28.588	-13.325	74.000	32.087	PK
6		*	18000.000	47.328	15.241	-6.672	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: 2018/06/23 - 05:12
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5510MHz	



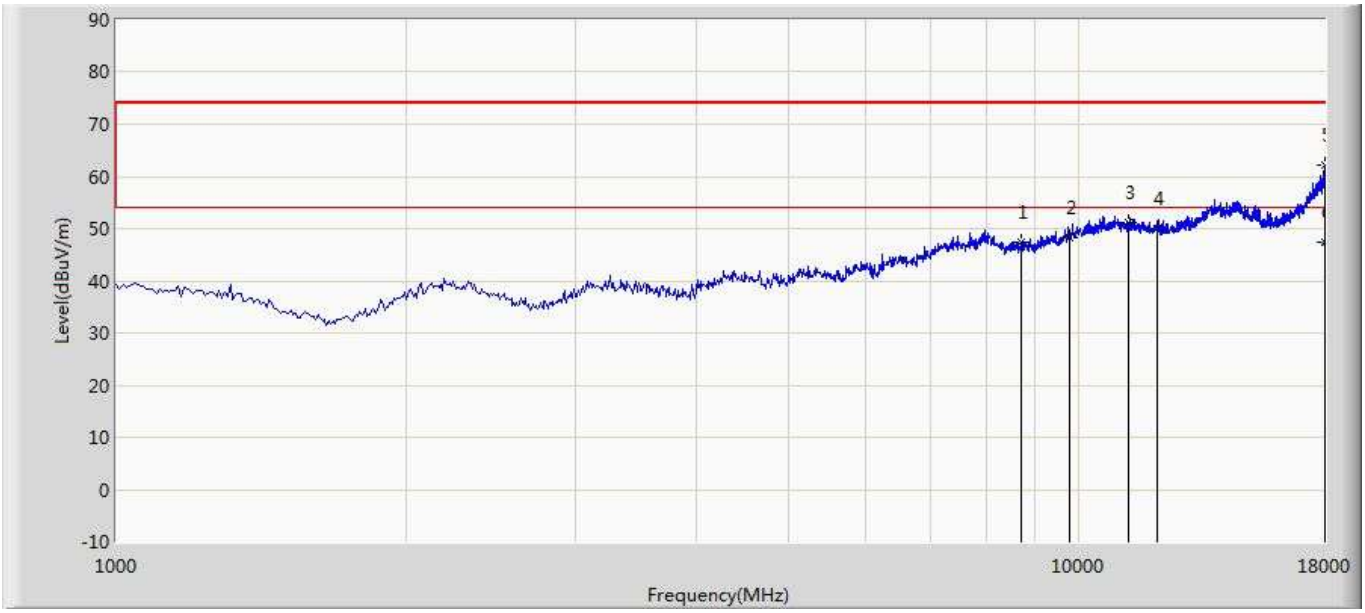
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8769.000	48.072	34.148	-20.128	68.200	13.924	PK
2			9942.000	48.558	33.242	-19.642	68.200	15.316	PK
3			10817.500	49.947	31.967	-4.053	54.000	17.980	PK
4			11701.500	50.031	30.911	-3.969	54.000	19.119	PK
5			18000.000	60.877	28.790	-13.123	74.000	32.087	PK
6		*	18000.000	47.288	15.201	-6.712	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: 2018/07/02 - 17:34
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5775MHz	



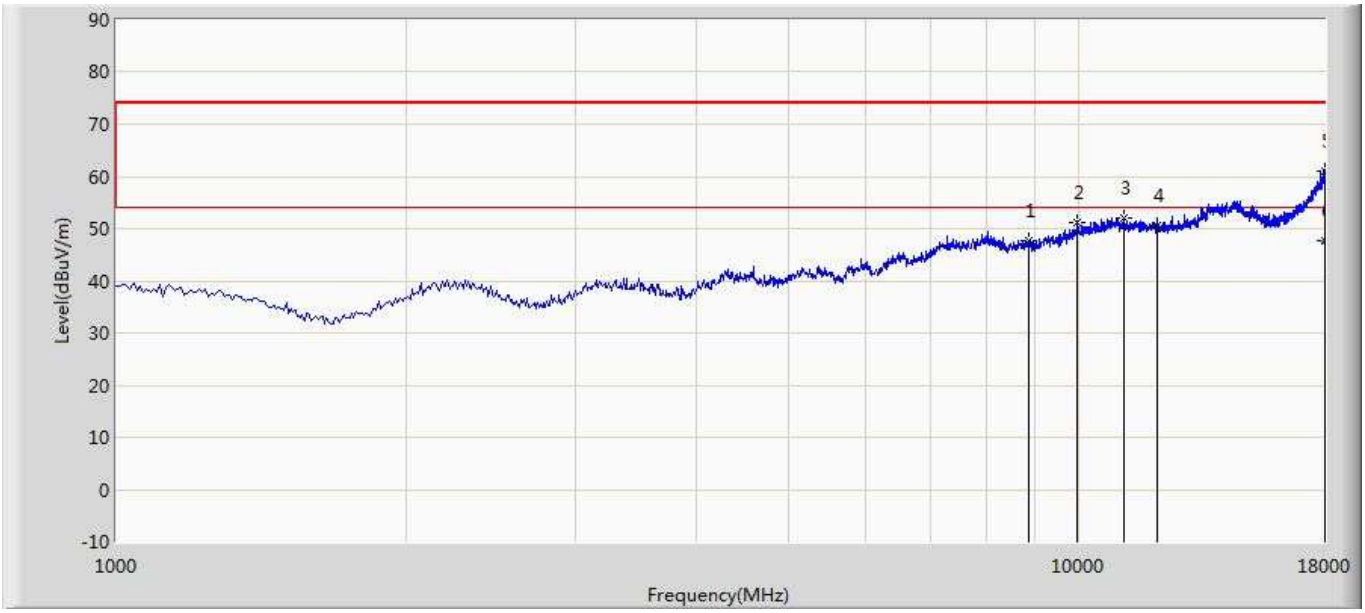
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			8692.500	47.282	33.556	-20.918	68.200	13.726	PK
2			9772.000	48.333	33.434	-19.867	68.200	14.899	PK
3			11259.500	51.098	32.296	-2.902	54.000	18.802	PK
4			12067.000	49.872	31.024	-4.128	54.000	18.848	PK
5			18000.000	62.240	30.153	-11.760	74.000	32.087	PK
6		*	18000.000	47.333	15.246	-6.667	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: 2018/07/02 - 17:36
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT(APIN0515)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 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			8879.500	47.780	33.742	-20.420	68.200	14.037	PK
2			9959.000	51.225	35.891	-16.975	68.200	15.334	PK
3			11115.000	52.106	33.485	-1.894	54.000	18.621	PK
4			12067.000	50.571	31.723	-3.429	54.000	18.848	PK
5			18000.000	60.896	28.809	-13.104	74.000	32.087	PK
6		*	18000.000	47.744	15.657	-6.256	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.