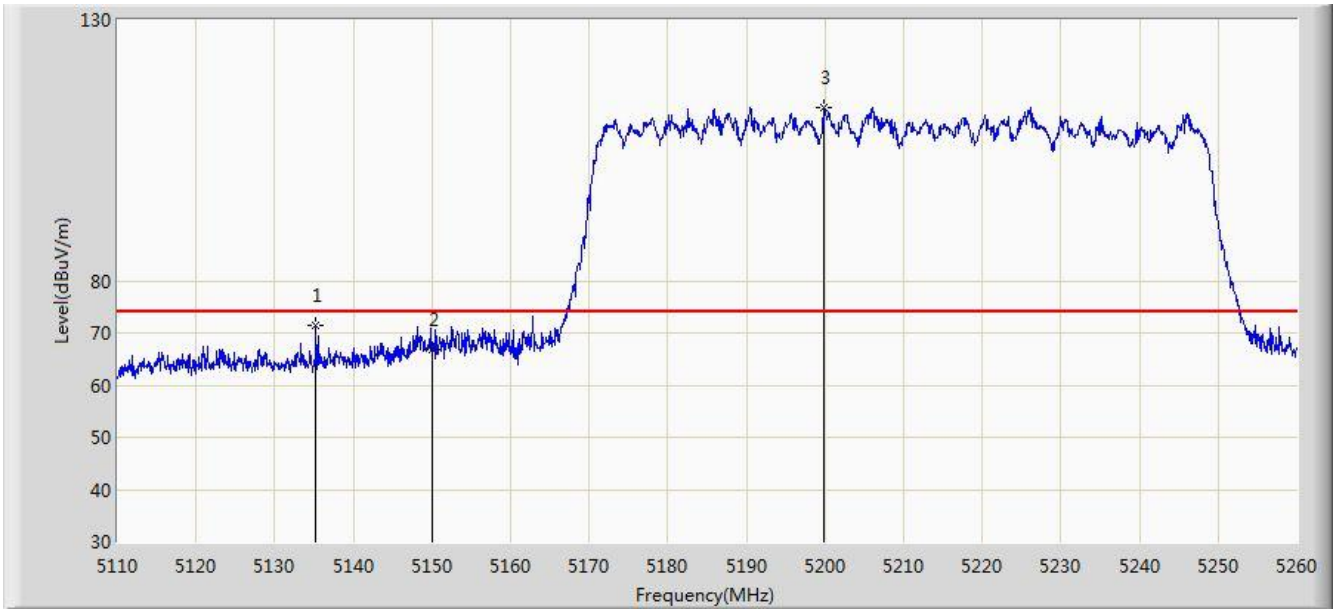
Site: AC1	Time: 2018/06/20 - 08:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz Ant 0 + 1 + 2 + 3	

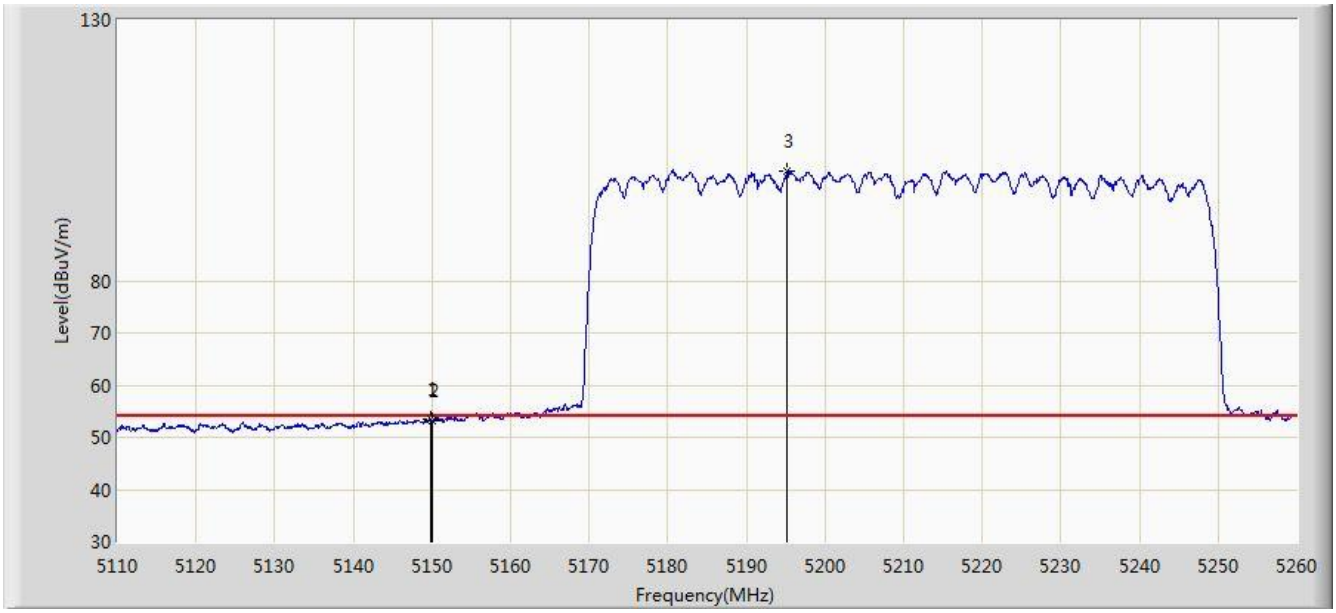


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5135.275	71.507	67.332	-2.493	74.000	4.175	PK
2			5150.000	66.753	62.584	-7.247	74.000	4.170	PK
3		*	5199.925	113.197	109.198	N/A	N/A	3.998	PK

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

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

Site: AC1	Time: 2018/06/20 - 08:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz Ant 0 + 1 + 2 + 3	

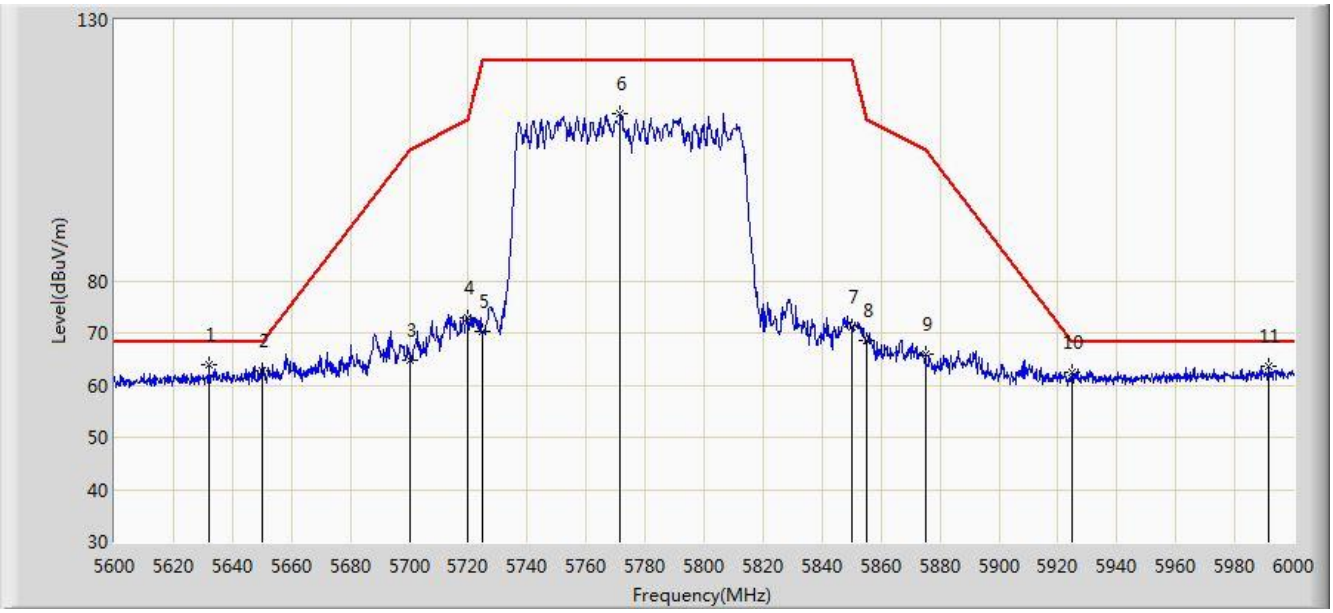


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.825	53.385	49.215	-0.615	54.000	4.170	AV
2			5150.000	53.056	48.887	-0.944	54.000	4.170	AV
3		*	5195.200	101.048	97.033	N/A	N/A	4.015	AV

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

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

Site: AC1	Time: 2018/06/20 - 08:54
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5775MHz Ant 0 + 1 + 2 + 3	

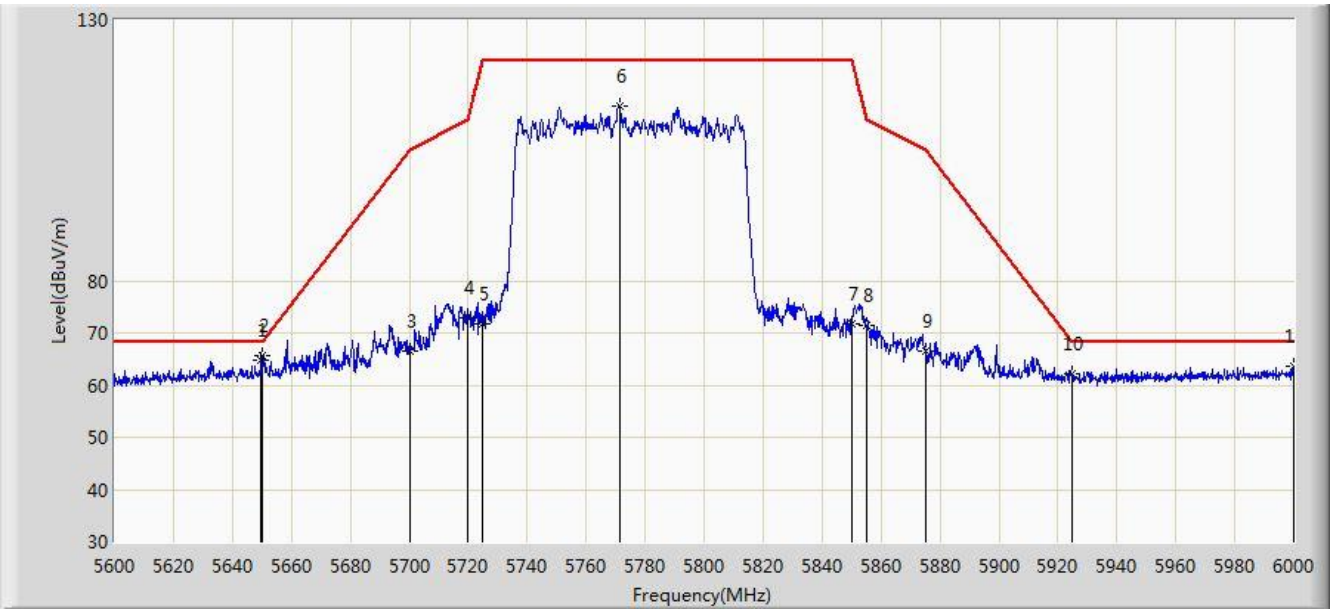


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5632.200	63.850	59.235	-4.350	68.200	4.615	PK
2			5650.000	62.624	57.953	-5.576	68.200	4.671	PK
3			5700.000	64.711	59.833	-40.489	105.200	4.878	PK
4			5720.000	72.757	67.760	-38.043	110.800	4.997	PK
5			5725.000	70.181	65.152	-52.019	122.200	5.029	PK
6			5771.600	112.129	106.830	N/A	N/A	5.299	PK
7			5850.000	71.076	65.350	-51.124	122.200	5.726	PK
8			5855.000	68.486	62.740	-42.314	110.800	5.746	PK
9			5875.000	65.817	59.997	-39.383	105.200	5.820	PK
10			5925.000	62.321	56.355	-5.879	68.200	5.967	PK
11			5991.600	63.574	57.477	-4.626	68.200	6.097	PK

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

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

Site: AC1	Time: 2018/06/20 - 08:53
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5775MHz Ant 0 + 1 + 2 + 3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5649.800	64.788	60.118	-3.412	68.200	4.670	PK
2		*	5650.000	65.643	60.972	-2.557	68.200	4.671	PK
3			5700.000	66.632	61.754	-38.568	105.200	4.878	PK
4			5720.000	72.768	67.771	-38.032	110.800	4.997	PK
5			5725.000	71.752	66.723	-50.448	122.200	5.029	PK
6			5771.200	113.561	108.264	N/A	N/A	5.297	PK
7			5850.000	71.788	66.062	-50.412	122.200	5.726	PK
8			5855.000	71.438	65.692	-39.362	110.800	5.746	PK
9			5875.000	66.506	60.686	-38.694	105.200	5.820	PK
10			5925.000	62.247	56.281	-5.953	68.200	5.967	PK
11			6000.000	63.533	57.421	-4.667	68.200	6.112	PK

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

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

7.10. AC Conducted Emissions Measurement

7.10.1. TestLimit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

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

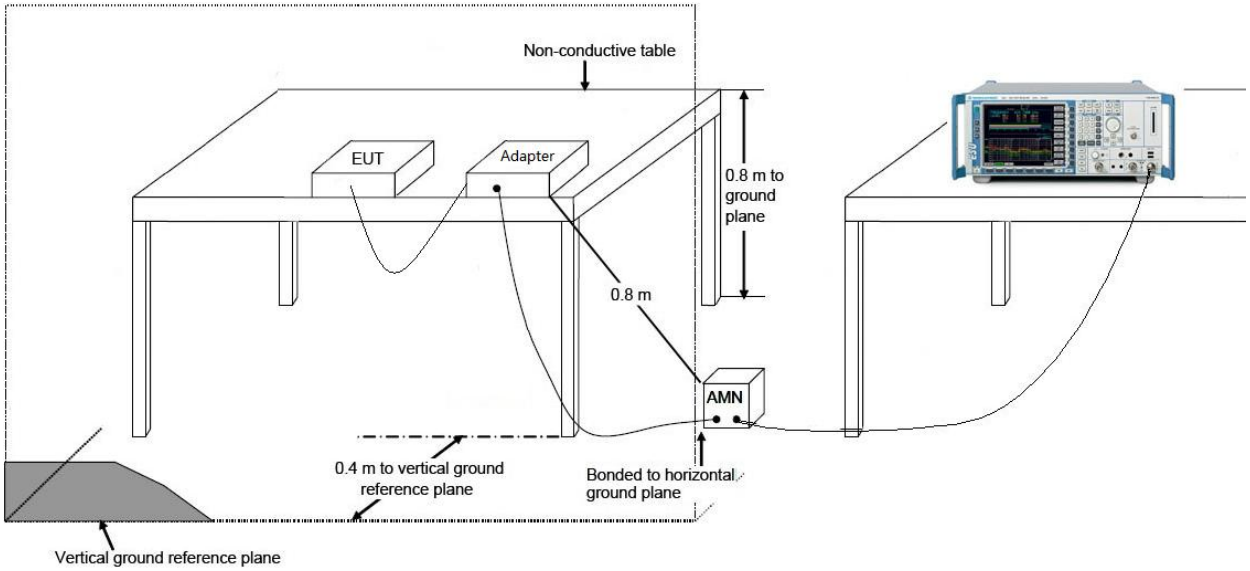
7.10.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements.The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

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

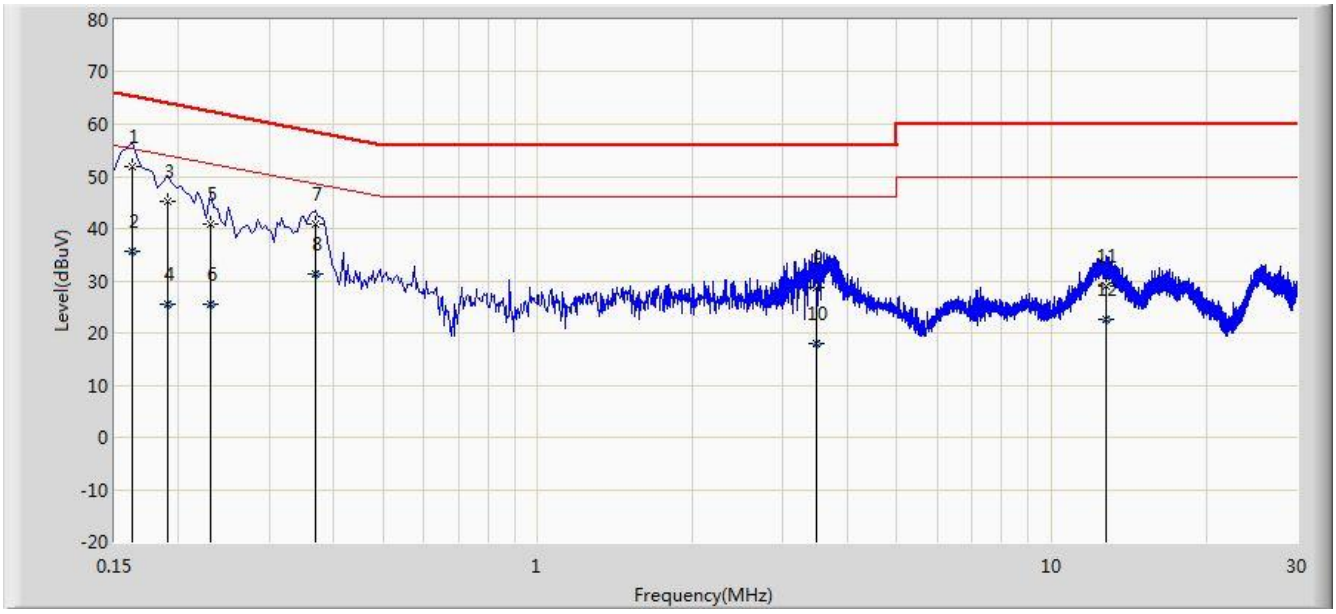
7.10.3. Test Setup



7.10.4.Test Result

For APIN0514:

Site: SR2	Time: 2018/07/25 - 10:38
Limit: FCC_Part15.207_CE	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Mode 1	

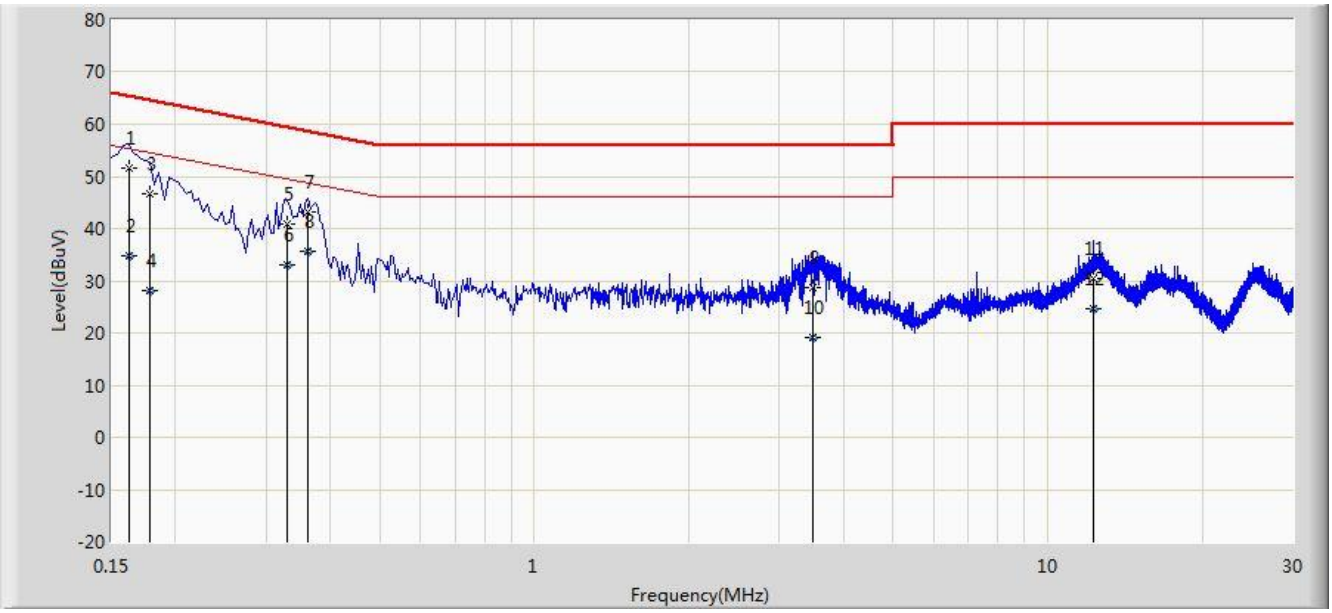


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.162	51.930	41.833	-13.431	65.361	10.097	QP
2			0.162	35.574	25.477	-19.786	55.361	10.097	AV
3			0.190	45.272	35.243	-18.765	64.037	10.029	QP
4			0.190	25.646	15.617	-28.391	54.037	10.029	AV
5			0.230	41.013	31.065	-21.437	62.450	9.947	QP
6			0.230	25.543	15.596	-26.907	52.450	9.947	AV
7			0.370	40.745	30.684	-17.756	58.501	10.061	QP
8			0.370	31.410	21.349	-17.091	48.501	10.061	AV
9			3.490	28.608	18.701	-27.392	56.000	9.907	QP
10			3.490	17.876	7.969	-28.124	46.000	9.907	AV
11			12.798	28.950	18.868	-31.050	60.000	10.083	QP
12			12.798	22.715	12.633	-27.285	50.000	10.083	AV

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

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

Site: SR2	Time: 2018/07/25 - 10:42
Limit: FCC_Part15.207_CE	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Mode 1	



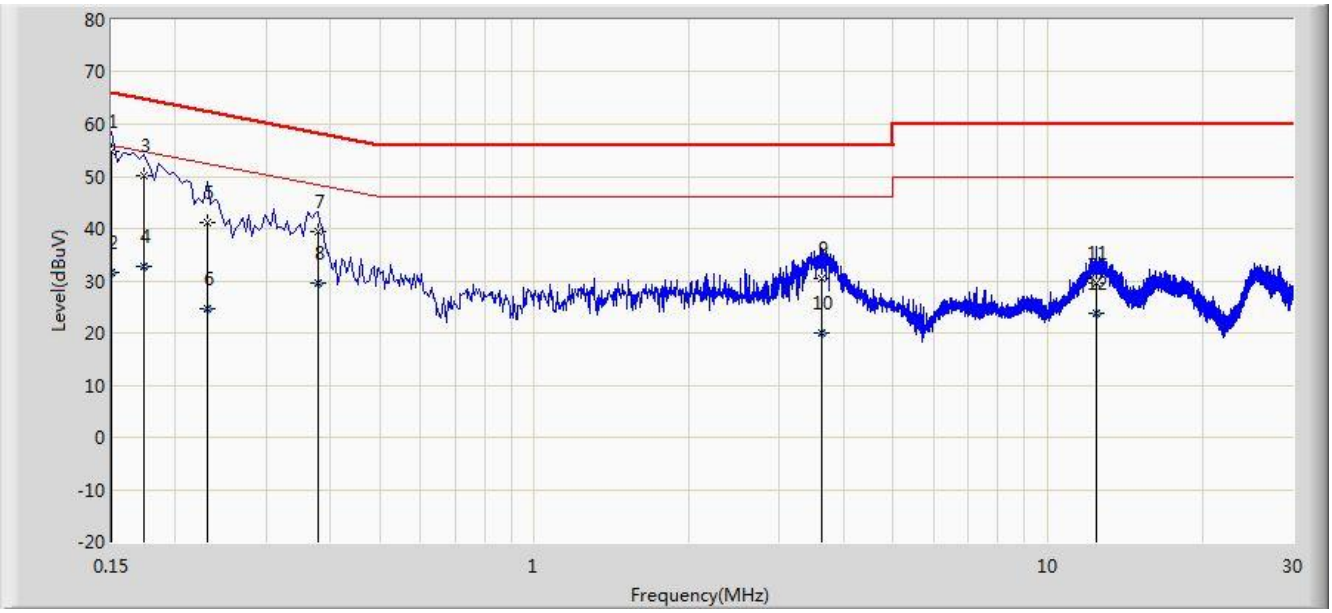
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.162	51.656	41.578	-13.705	65.361	10.078	QP
2			0.162	34.925	24.847	-20.436	55.361	10.078	AV
3			0.178	46.651	36.601	-17.928	64.578	10.049	QP
4			0.178	27.982	17.933	-26.596	54.578	10.049	AV
5			0.330	40.810	30.750	-18.641	59.451	10.060	QP
6			0.330	33.149	23.090	-16.302	49.451	10.060	AV
7			0.362	43.243	33.159	-15.439	58.682	10.084	QP
8		*	0.362	35.706	25.622	-12.976	48.682	10.084	AV
9			3.478	28.667	18.755	-27.333	56.000	9.913	QP
10			3.478	19.120	9.207	-26.880	46.000	9.913	AV
11			12.306	30.349	20.234	-29.651	60.000	10.115	QP
12			12.306	24.685	14.570	-25.315	50.000	10.115	AV

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

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

For APIN0515:

Site: SR2	Time: 2018/07/25 - 10:02
Limit: FCC_Part15.207_CE	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Mode 1	

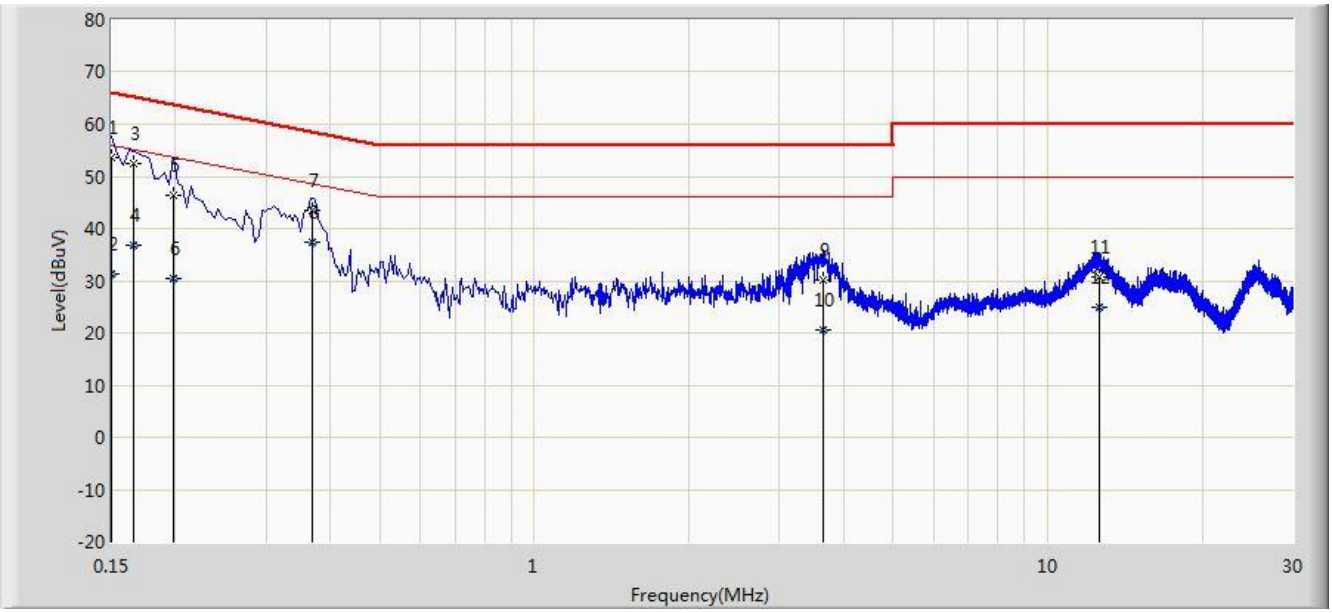


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.150	54.857	43.689	-11.143	66.000	11.168	QP
2			0.150	31.518	20.350	-24.482	56.000	11.168	AV
3			0.174	50.189	40.121	-14.578	64.767	10.068	QP
4			0.174	32.880	22.812	-21.887	54.767	10.068	AV
5			0.230	41.016	31.069	-21.434	62.450	9.947	QP
6			0.230	24.610	14.663	-27.840	52.450	9.947	AV
7			0.378	39.278	29.211	-19.045	58.323	10.067	QP
8			0.378	29.541	19.473	-18.783	48.323	10.067	AV
9			3.626	30.291	20.368	-25.709	56.000	9.922	QP
10			3.626	20.097	10.174	-25.903	46.000	9.922	AV
11			12.414	29.703	19.630	-30.297	60.000	10.073	QP
12			12.414	23.636	13.564	-26.364	50.000	10.073	AV

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

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

Site: SR2	Time: 2018/07/25 - 10:42
Limit: FCC_Part15.207_CE	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	53.531	42.389	-12.469	66.000	11.142	QP
2			0.150	31.361	20.219	-24.639	56.000	11.142	AV
3			0.166	52.592	42.521	-12.566	65.158	10.071	QP
4			0.166	36.887	26.816	-18.271	55.158	10.071	AV
5			0.198	46.367	36.352	-17.327	63.694	10.015	QP
6			0.198	30.493	20.479	-23.201	53.694	10.015	AV
7			0.370	43.448	33.358	-15.053	58.501	10.090	QP
8		*	0.370	37.435	27.345	-11.066	48.501	10.090	AV
9			3.662	30.170	20.231	-25.830	56.000	9.939	QP
10			3.662	20.724	10.785	-25.276	46.000	9.939	AV
11			12.578	30.705	20.606	-29.295	60.000	10.099	QP
12			12.578	24.998	14.899	-25.002	50.000	10.099	AV

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

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

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **ACCESS POINT** is in compliance with Part 15E of the FCC Rules.

The End