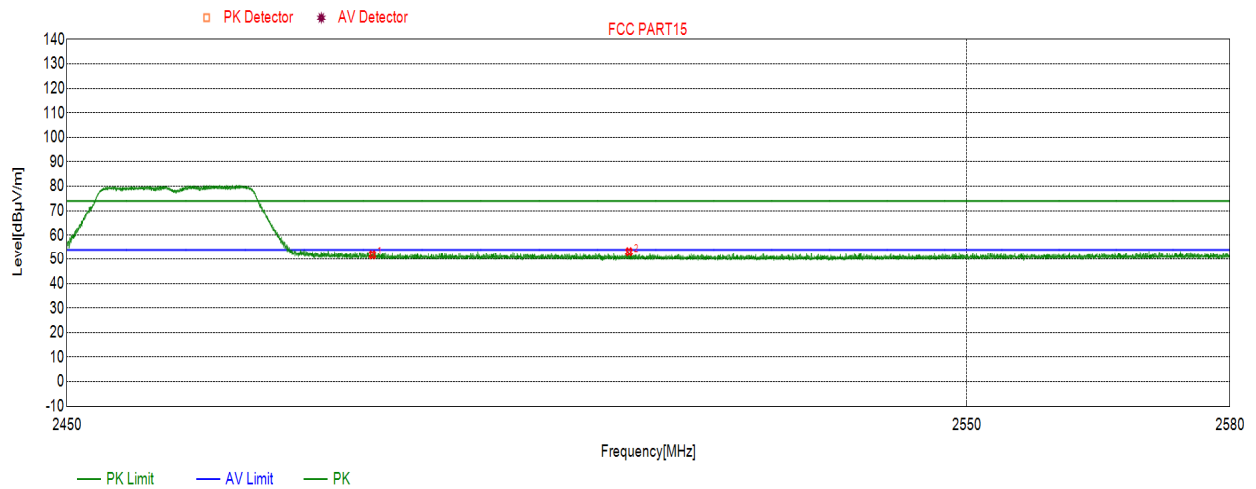


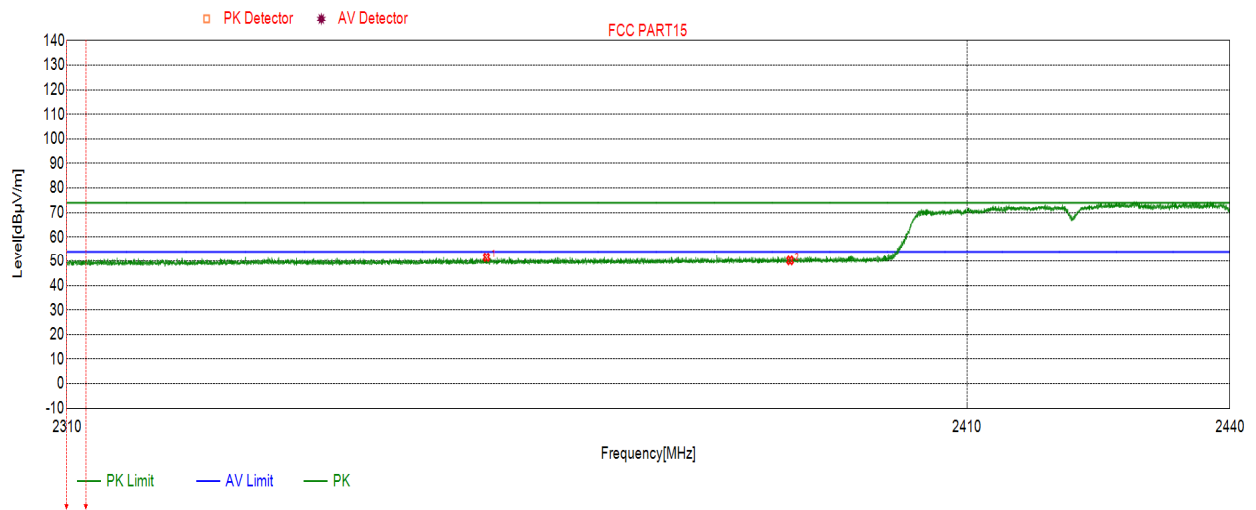
Test Mode	Channel	Polarization	Verdict
11N20MIMO	HCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	51.85	74.00	-22.15	peak
	2483.500	51.85	54.00	-2.15	average
2	2512.0032	53.10	74.00	-20.90	peak
	2512.0032	53.10	54.00	-0.90	average

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. For average power measurement, set the VBW to Minimum VBW=10 Hz.

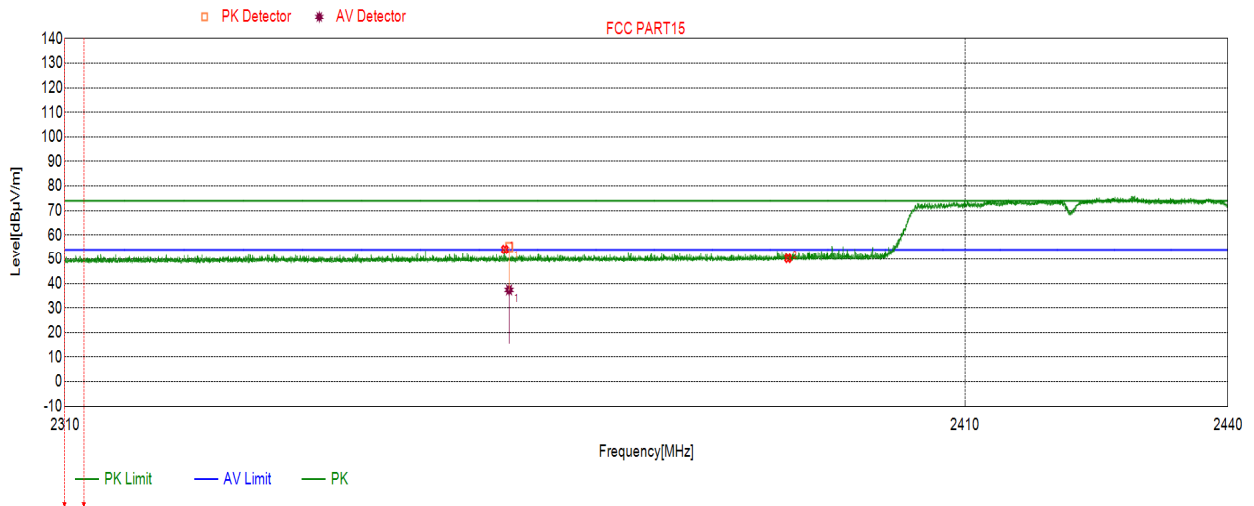
Test Mode	Channel	Polarization	Verdict
11N40MIMO	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2356.0896	51.57	74.00	-22.43	peak
	2356.0896	51.57	54.00	-2.43	average
2	2390.000	50.22	74.00	-23.78	peak
	2390.000	50.22	54.00	-3.78	average

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. For average power measurement, set the VBW to Minimum VBW=10 Hz.

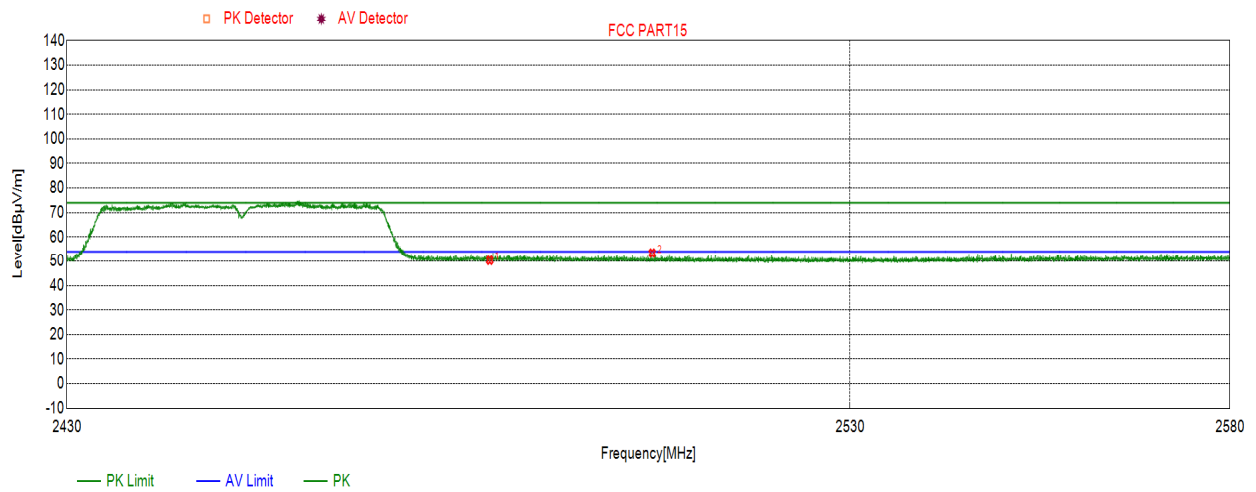
Test Mode	Channel	Polarization	Verdict
11N40MIMO	LCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2358.8207	55.10	74.00	-18.90	peak
	2358.8207	37.36	54.00	-16.64	average
2	2390.000	50.29	74.00	-23.71	peak
	2390.000	50.29	54.00	-3.71	average

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. For average power measurement, set the VBW to Minimum VBW=10 Hz.

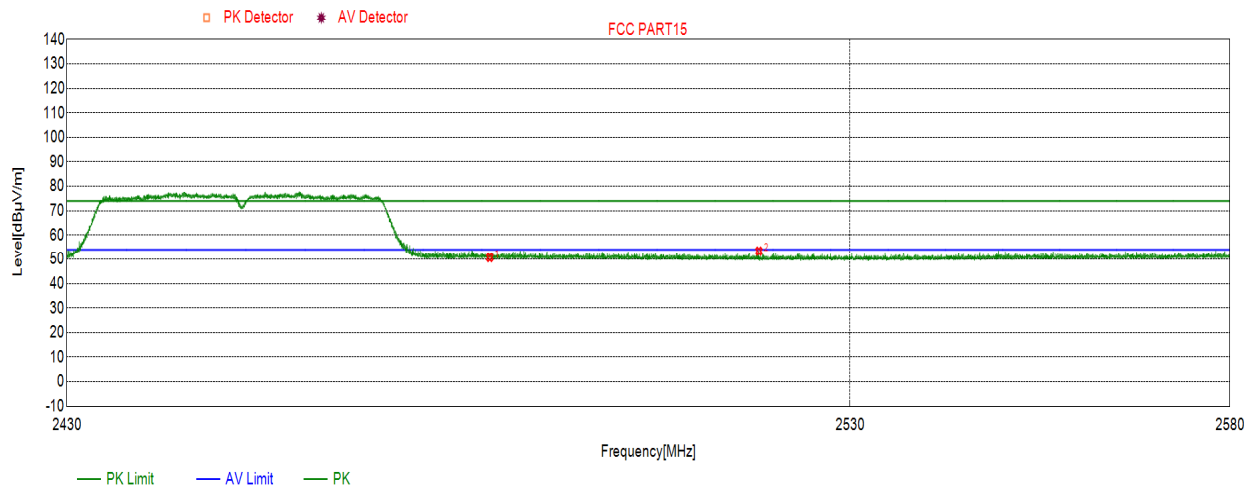
Test Mode	Channel	Polarization	Verdict
11N40MIMO	HCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	50.35	74.00	-23.65	peak
	2483.500	50.35	54.00	-3.65	average
2	2504.3774	53.41	74.00	-20.59	peak
	2504.3774	53.41	54.00	-0.59	average

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. For average power measurement, set the VBW to Minimum VBW=10 Hz.

Test Mode	Channel	Polarization	Verdict
11N40MIMO	HCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	50.68	74.00	-23.32	peak
	2483.500	50.68	54.00	-3.32	average
2	2518.1788	53.38	74.00	-20.62	peak
	2518.1788	53.38	54.00	-0.62	average

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. For average power measurement, set the VBW to Minimum VBW=10 Hz.

6.6.3.SPURIOUS EMISSIONS

Test Result Table:

1) For 9KHz-30MHz (worst case)

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11N20 MIMO	Antenna 1+2	MCH	<Limit	PASS

Remark: Pre-testing all test modes, both antennas and even test channels, but only the data of worst case is included in this test report.

2) For 30MHz-1GHz (worst case)

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11N20 MIMO	Antenna 1+2	MCH	<Limit	PASS

Remark: Pre-testing all test modes, both antennas and even test channels, but only the data of worst case is included in this test report.

3) For 1GHz-18GHz

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11B SISO	Antenna 1	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11G SISO	Antenna 1	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11N20MIMO	Antenna 1+2	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11N40MIMO	Antenna 1+2	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS

Remark:

- 1) For the 11N20 and 11N40 modes, pre-testing for both SISO mode and MIMO mode, but only the data of worse case is included in this test report.
- 2) For the 11B and 11G modes, pre-testing both antenna1 and antenna2, but only the worse is included in this test report.

4) For 18GHz-26.5GHz

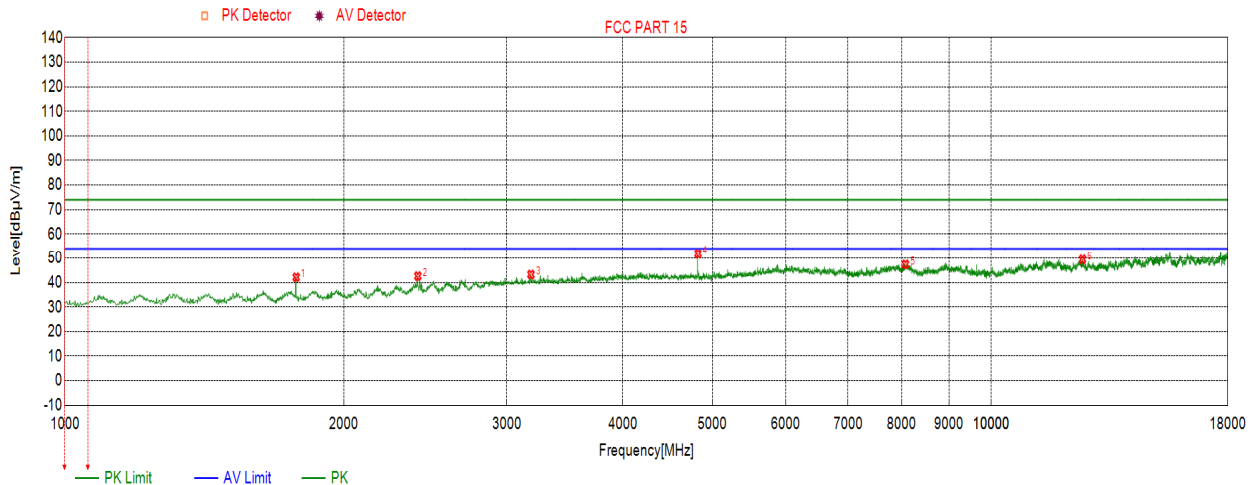
Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11N20 MIMO	Antenna 1+2	MCH	<Limit	PASS

Remark: Pre-testing all test modes and both antennas, but only the data of worse case is included in this test report.

Part I: 1GHz~18GHz

HARMONICS AND SPURIOUS EMISSIONS(WORSE CASE)

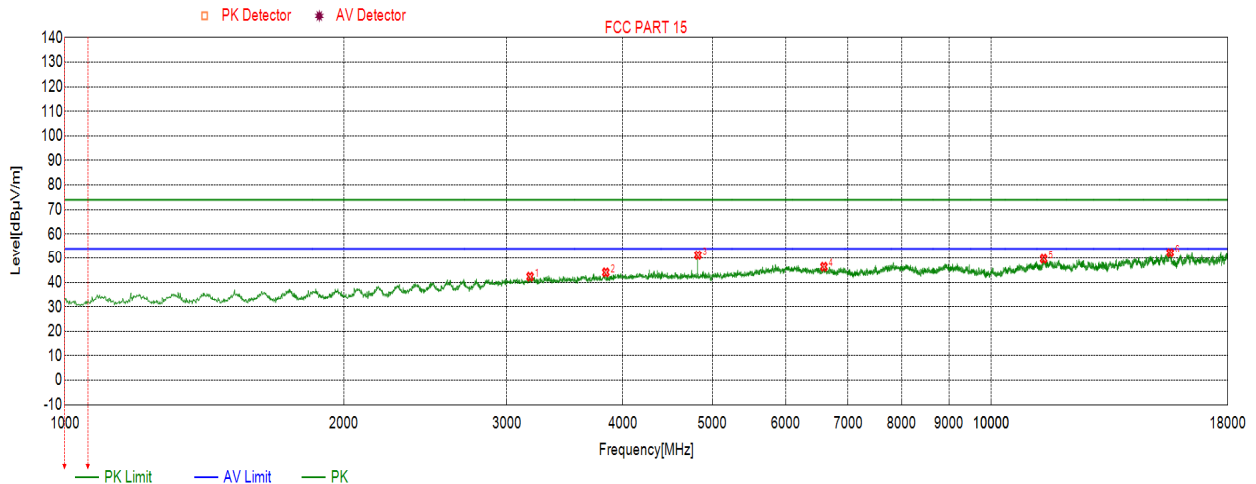
Test Mode	Channel	Polarization	Verdict
11B SISO	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1776.9777	42.11	74.00	-31.89	54.00	-11.89	peak
2	2404.3404	42.57	74.00	-31.43	54.00	-11.43	peak
3	3184.7185	43.24	74.00	-30.76	54.00	-10.76	peak
4	4823.6824	51.79	74.00	-22.21	54.00	-2.21	peak
5	8079.5080	47.39	74.00	-26.61	54.00	-6.61	peak
6	12544.1544	49.47	74.00	-24.53	54.00	-4.53	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

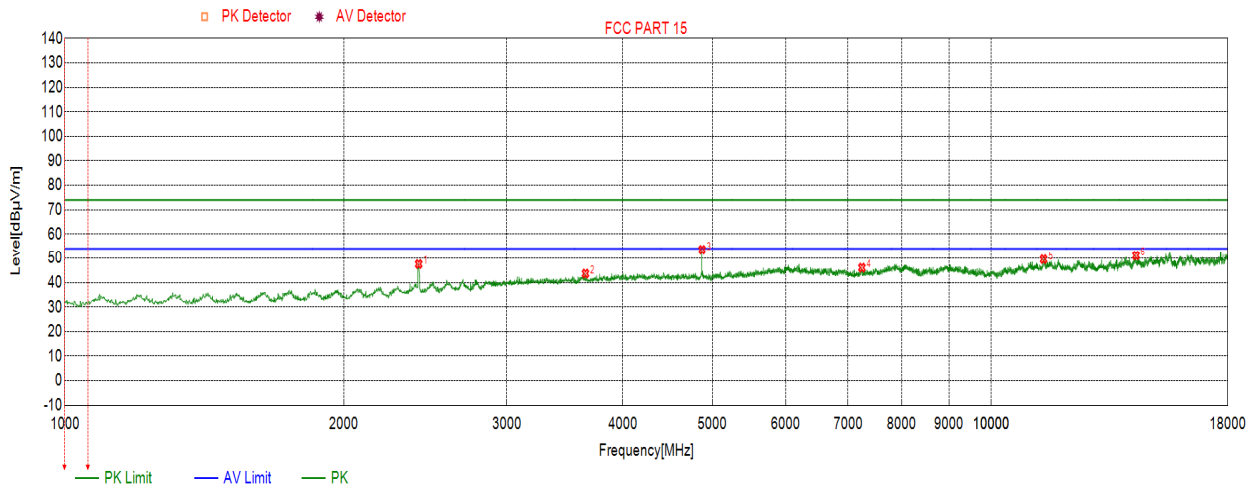
Test Mode	Channel	Polarization	Verdict
11B SISO	LCH	Vertical	PASS



No.	Frequency	Result	Limit	Margin	Limit	Margin	Remark
	(MHz)	(dBuV /m)	(Peak) (dBuV/m)	(Peak) (dB)	(Ave) (dBuV/m)	(Ave) (dB)	
1	3177.9178	42.31	74.00	-31.69	54.00	-11.69	peak
2	3835.8836	44.06	74.00	-29.94	54.00	-9.94	peak
3	4823.6824	51.22	74.00	-22.78	54.00	-2.78	peak
4	6596.9597	46.36	74.00	-27.64	54.00	-7.64	peak
5	11389.7390	49.68	74.00	-24.32	54.00	-4.32	peak
6	15599.3599	52.26	74.00	-21.74	54.00	-1.74	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

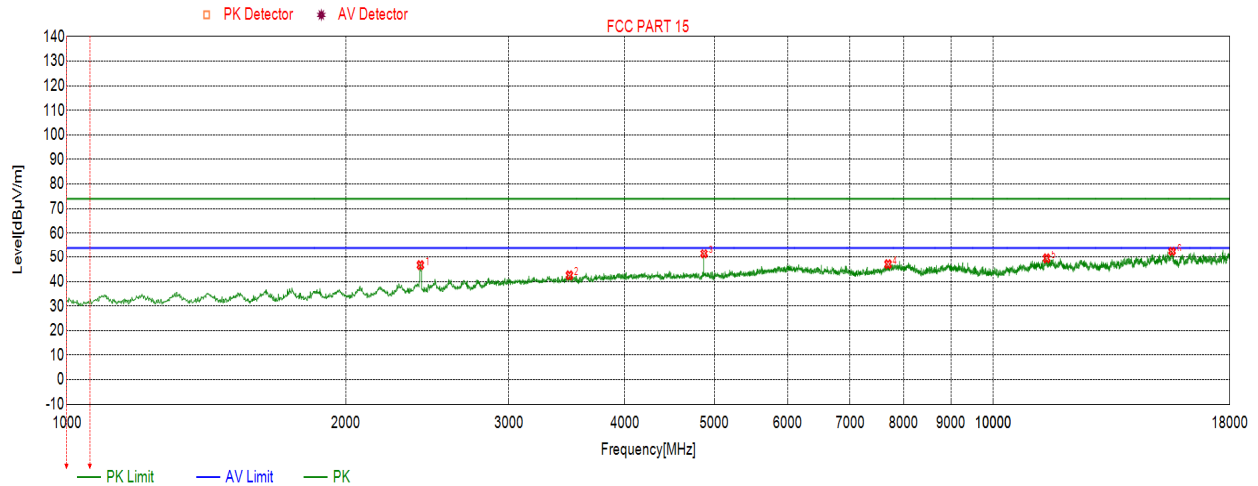
Test Mode	Channel	Polarization	Verdict
11B SISO	MCH	Horizontal	PASS



No.	Frequency	Result	Limit	Margin	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(Peak) (dBuV/m)	(Peak) (dB)	(Ave) (dBuV/m)	(Ave) (dB)	
1	2409.4409	47.54	74.00	-26.46	54.00	-6.46	peak
2	3647.1647	43.64	74.00	-30.36	54.00	-10.36	peak
3	4872.9873	53.54	74.00	-20.46	54.00	-0.46	peak
4	7249.8250	46.04	74.00	-27.96	54.00	-7.96	peak
5	11388.0388	49.55	74.00	-24.45	54.00	-4.45	peak
6	14329.3329	51.06	74.00	-22.94	54.00	-2.94	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

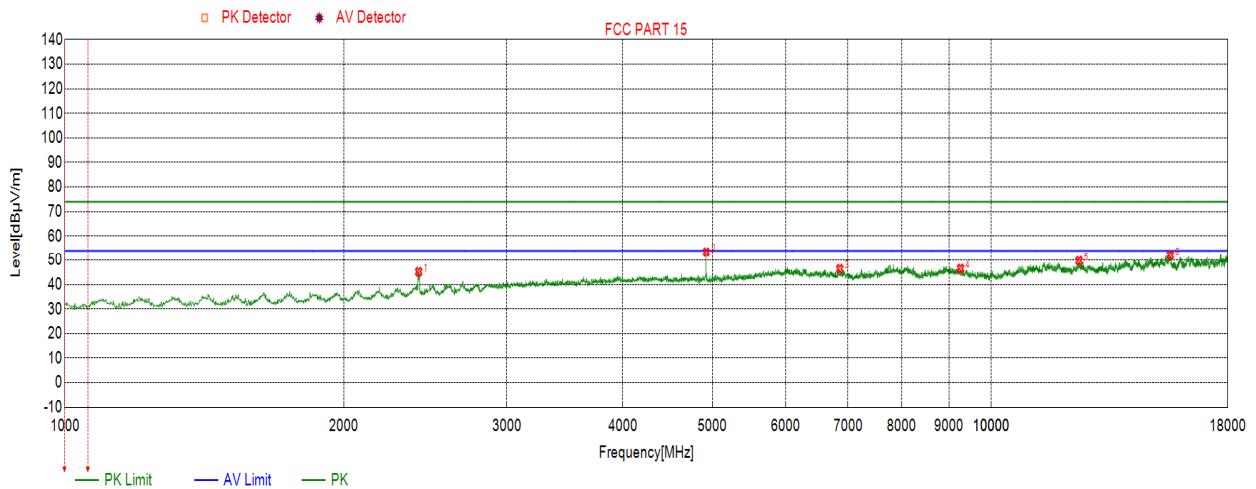
Test Mode	Channel	Polarization	Verdict
11B SISO	MCH	Vertical	PASS



No.	Frequency	Result	Limit	Margin	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(Peak) (dBuV/m)	(Peak) (dB)	(Ave) (dBuV/m)	(Ave) (dB)	
1	2407.7408	46.65	74.00	-27.35	54.00	-7.35	peak
2	3487.3487	42.48	74.00	-31.52	54.00	-11.52	peak
3	4872.9873	51.43	74.00	-22.57	54.00	-2.57	peak
4	7698.6699	47.02	74.00	-26.98	54.00	-6.98	peak
5	11416.9417	49.38	74.00	-24.62	54.00	-4.62	peak
6	15595.9596	52.44	74.00	-21.56	54.00	-1.56	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

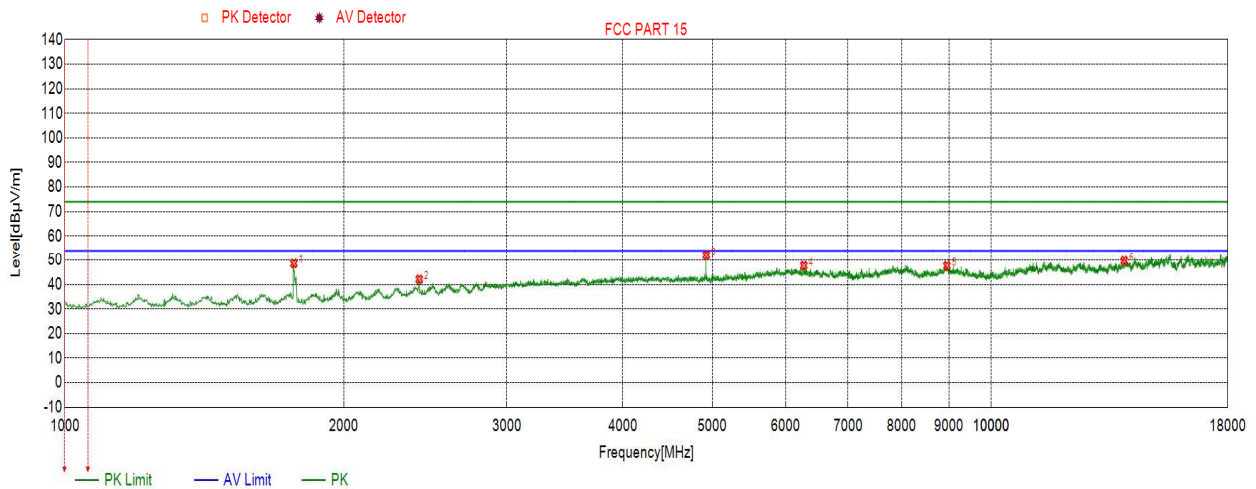
Test Mode	Channel	Polarization	Verdict
11B SISO	HCH	Horizontal	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV /m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2409.4409	45.16	74.00	-28.84	54.00	-8.84	peak
2	4923.9924	53.38	74.00	-20.62	54.00	-0.62	peak
3	6862.1862	46.37	74.00	-27.63	54.00	-7.63	peak
4	9264.5265	46.50	74.00	-27.50	54.00	-7.50	peak
5	12437.0437	49.71	74.00	-24.29	54.00	-4.29	peak
6	15604.4604	52.05	74.00	-21.95	54.00	-1.95	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

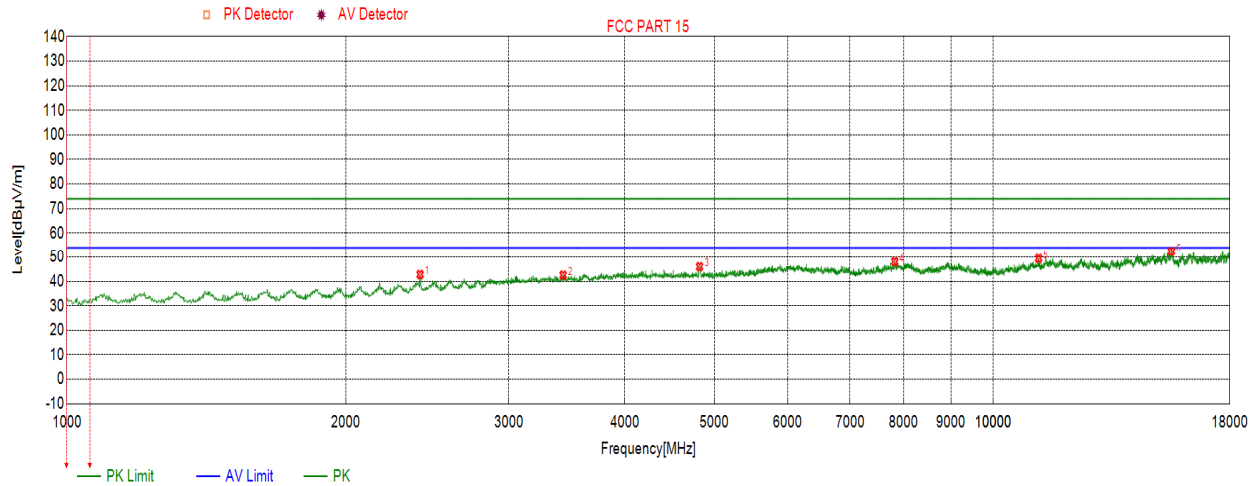
Test Mode	Channel	Polarization	Verdict
11B SISO	HCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1766.7767	48.60	74.00	-25.40	54.00	-5.40	peak
2	2412.8413	42.09	74.00	-31.91	54.00	-11.91	peak
3	4923.9924	52.03	74.00	-21.97	54.00	-1.97	peak
4	6275.6276	47.69	74.00	-26.31	54.00	-6.31	peak
5	8955.0955	47.60	74.00	-26.40	54.00	-6.40	peak
6	13914.4914	49.72	74.00	-24.28	54.00	-4.28	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

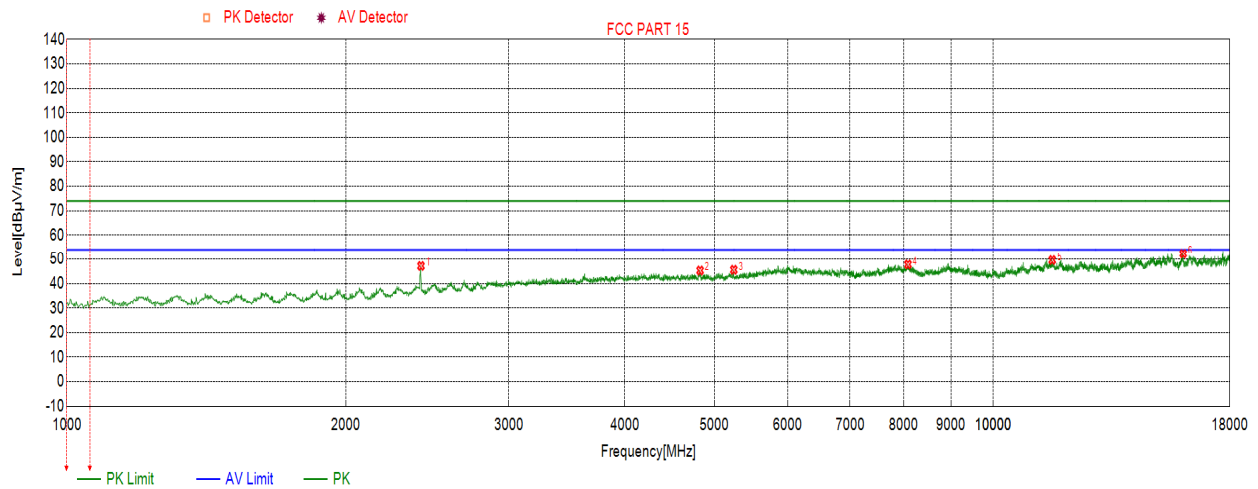
Test Mode	Channel	Polarization	Verdict
11G SISO	LCH	Horizontal	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2406.0406	42.80	74.00	-31.20	54.00	-11.20	peak
2	3432.9433	42.52	74.00	-31.48	54.00	-11.48	peak
3	4818.5819	45.98	74.00	-28.02	54.00	-8.02	peak
4	7827.8828	48.05	74.00	-25.95	54.00	-5.95	peak
5	11192.5193	49.43	74.00	-24.57	54.00	-4.57	peak
6	15572.1572	52.39	74.00	-21.61	54.00	-1.61	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

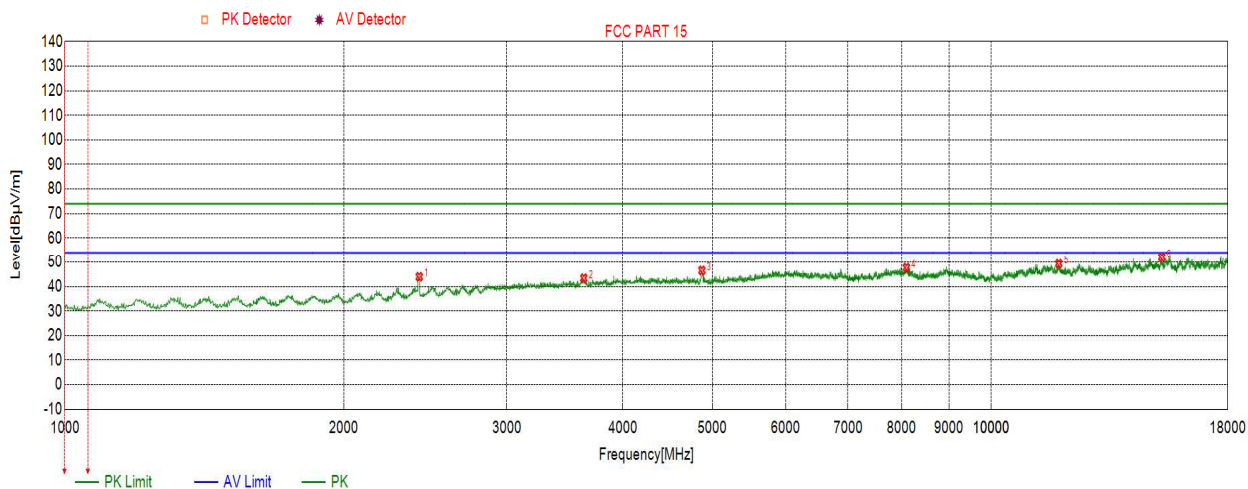
Test Mode	Channel	Polarization	Verdict
11G SISO	LCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	2411.1411	47.14	74.00	-26.86	54.00	-6.86	peak
2	4825.3825	45.26	74.00	-28.74	54.00	-8.74	peak
3	5247.0247	45.56	74.00	-28.44	54.00	-8.44	peak
4	8089.7090	47.75	74.00	-26.25	54.00	-6.25	peak
5	11578.4578	49.58	74.00	-24.42	54.00	-4.42	peak
6	16031.2031	52.28	74.00	-21.72	54.00	-1.72	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

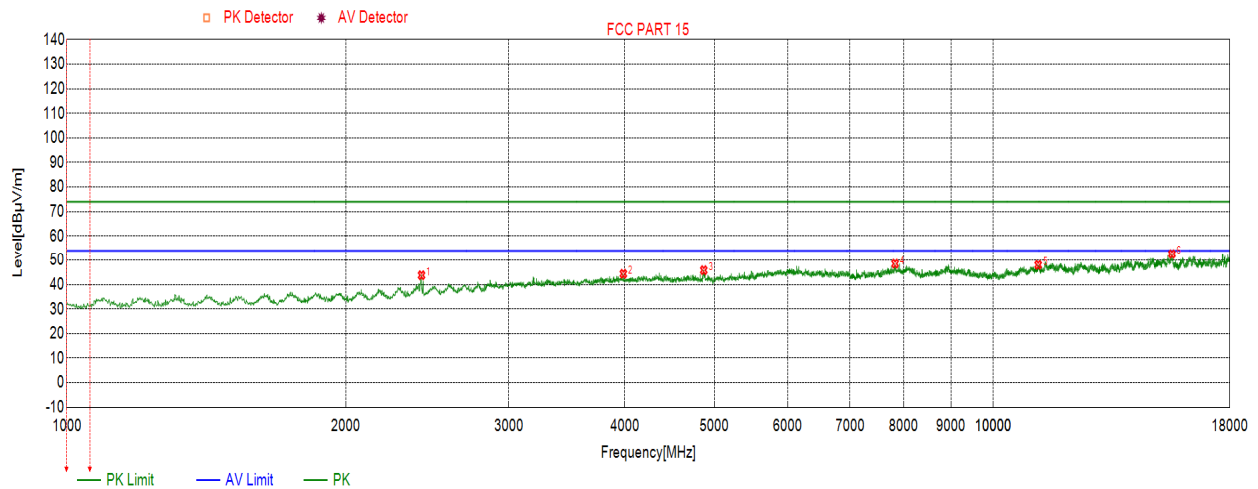
Test Mode	Channel	Polarization	Verdict
11G SISO	MCH	Horizontal	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV /m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2412.8413	43.94	74.00	-30.06	54.00	-10.06	peak
2	3631.8632	43.35	74.00	-30.65	54.00	-10.65	peak
3	4871.2871	46.51	74.00	-27.49	54.00	-7.49	peak
4	8098.2098	47.68	74.00	-26.32	54.00	-6.32	peak
5	11826.6827	49.31	74.00	-24.69	54.00	-4.69	peak
6	15276.3276	52.00	74.00	-22.00	54.00	-2.00	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

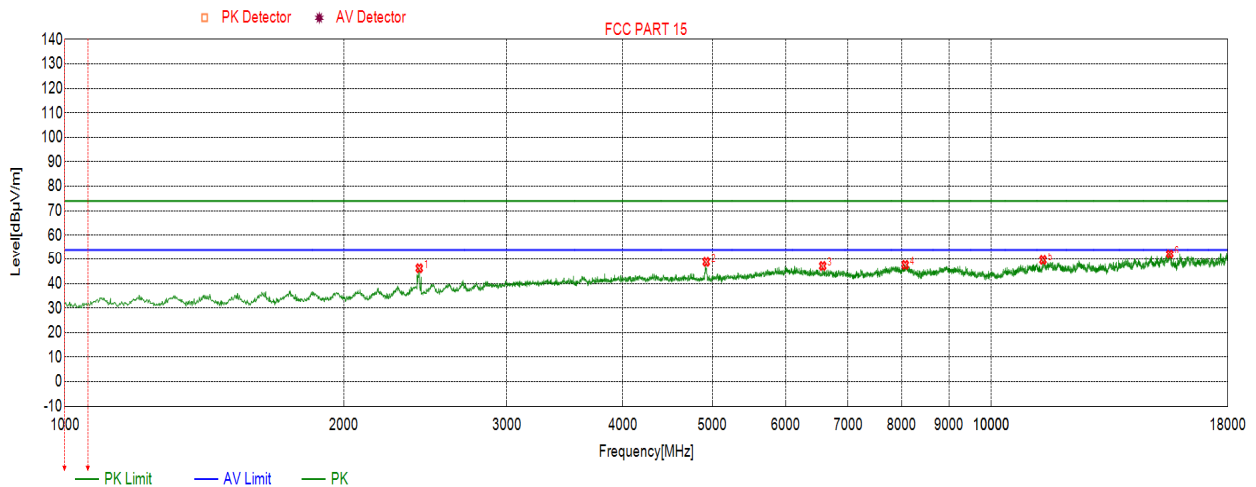
Test Mode	Channel	Polarization	Verdict
11G SISO	MCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	2414.5415	43.76	74.00	-30.24	54.00	-10.24	peak
2	3987.1987	44.35	74.00	-29.65	54.00	-9.65	peak
3	4869.5870	45.82	74.00	-28.18	54.00	-8.18	peak
4	7834.6835	48.49	74.00	-25.51	54.00	-5.51	peak
5	11180.6181	47.98	74.00	-26.02	54.00	-6.02	peak
6	15590.8591	52.58	74.00	-21.42	54.00	-1.42	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

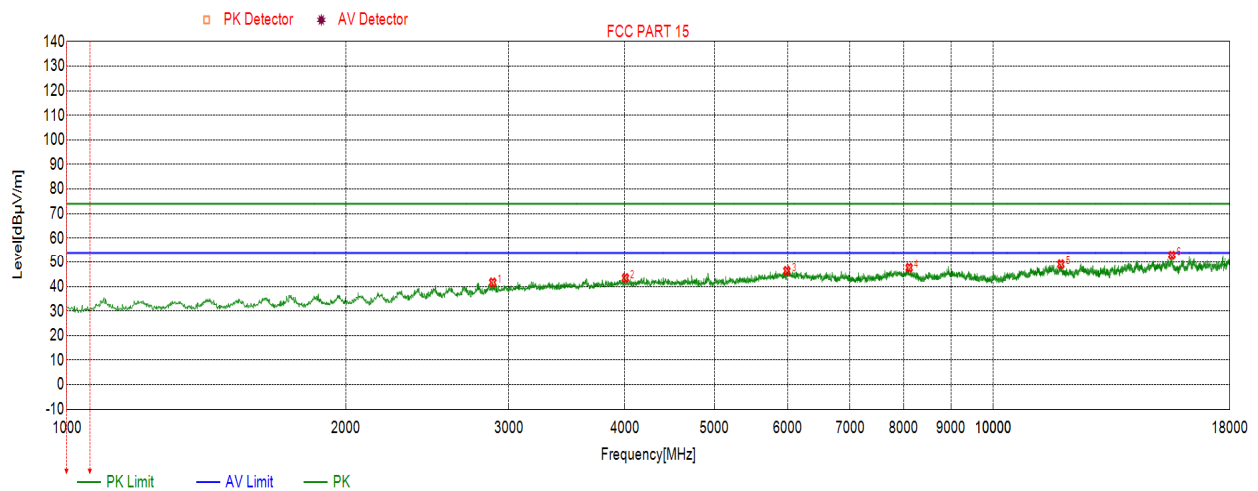
Test Mode	Channel	Polarization	Verdict
11G SISO	HCH	Horizontal	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2412.8413	46.19	74.00	-27.81	54.00	-7.81	peak
2	4923.9924	48.79	74.00	-25.21	54.00	-5.21	peak
3	6576.5577	47.10	74.00	-26.90	54.00	-6.90	peak
4	8074.4074	47.55	74.00	-26.45	54.00	-6.45	peak
5	11371.0371	49.58	74.00	-24.42	54.00	-4.42	peak
6	15584.0584	52.15	74.00	-21.85	54.00	-1.85	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Mode	Channel	Polarization	Verdict
11G SISO	HCH	Vertical	PASS

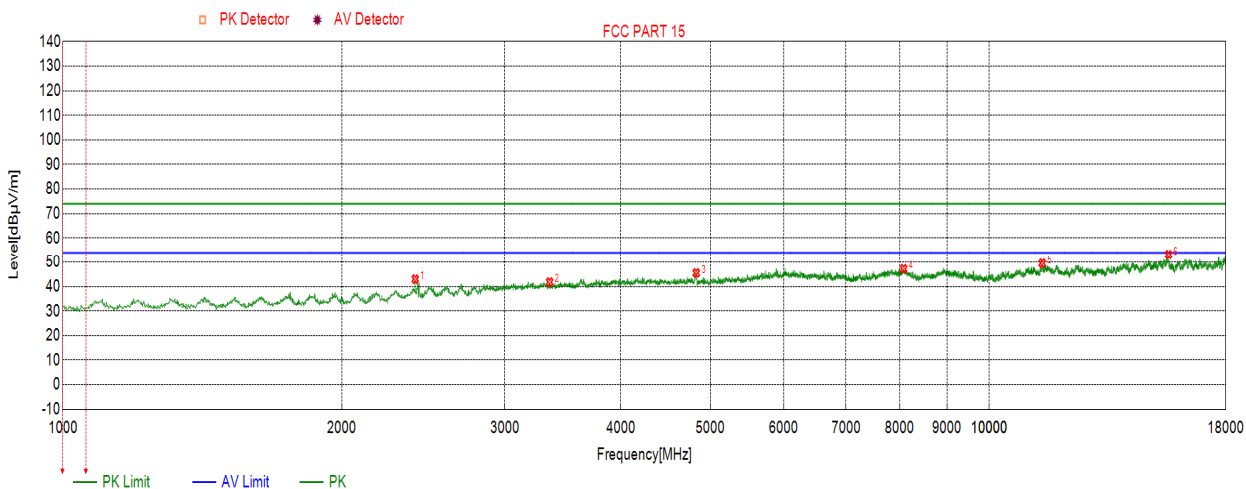


No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2882.0882	41.63	74.00	-32.37	54.00	-12.37	peak
2	4007.6008	43.44	74.00	-30.56	54.00	-10.56	peak
3	5986.5987	46.33	74.00	-27.67	54.00	-7.67	peak
4	8113.5114	47.60	74.00	-26.40	54.00	-6.40	peak
5	11830.0830	49.04	74.00	-24.96	54.00	-4.96	peak
6	15589.1589	52.91	74.00	-21.09	54.00	-1.09	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Antenna1+Antenna2

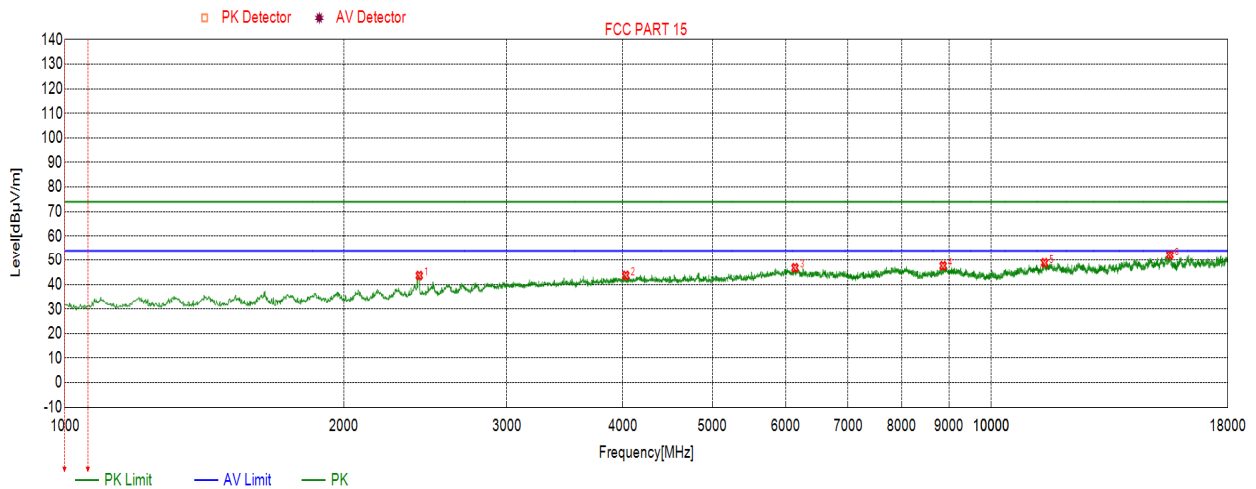
Test Mode	Channel	Polarization	Verdict
11N20MIMO	LCH	Horizontal	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2400.9401	42.98	74.00	-31.02	54.00	-11.02	peak
2	3353.0353	41.77	74.00	-32.23	54.00	-12.23	peak
3	4827.0827	45.50	74.00	-28.50	54.00	-8.50	peak
4	8082.9083	47.20	74.00	-26.80	54.00	-6.80	peak
5	11405.0405	49.52	74.00	-24.48	54.00	-4.48	peak
6	15612.9613	53.19	74.00	-20.81	54.00	-0.81	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

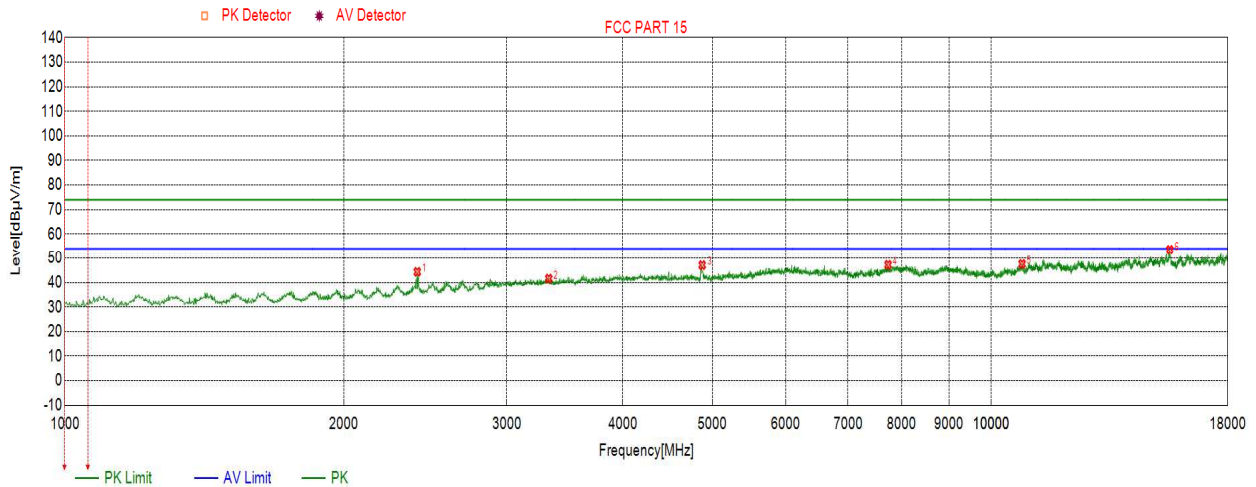
Test Mode	Channel	Polarization	Verdict
11N20MIMO	LCH	Vertical	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2412.8413	43.61	74.00	-30.39	54.00	-10.39	peak
2	4031.4031	43.66	74.00	-30.34	54.00	-10.34	peak
3	6139.6140	46.76	74.00	-27.24	54.00	-7.24	peak
4	8871.7872	47.57	74.00	-26.43	54.00	-6.43	peak
5	11413.5414	48.79	74.00	-25.21	54.00	-5.21	peak
6	15589.1589	52.11	74.00	-21.89	54.00	-1.89	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

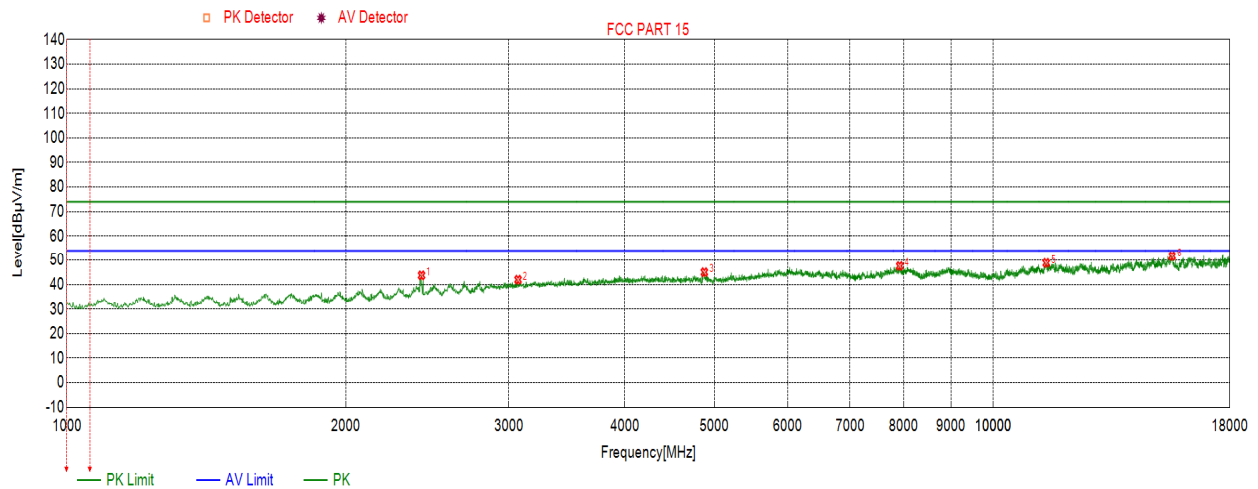
Test Mode	Channel	Polarization	Verdict
11N20MIMO	MCH	Horizontal	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV /m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2400.9401	44.31	74.00	-29.69	54.00	-9.69	peak
2	3329.2329	41.57	74.00	-32.43	54.00	-12.43	peak
3	4874.6875	47.07	74.00	-26.93	54.00	-6.93	peak
4	7737.7738	47.20	74.00	-26.80	54.00	-6.80	peak
5	10794.6795	47.54	74.00	-26.46	54.00	-6.46	peak
6	15585.7586	53.57	74.00	-20.43	54.00	-0.43	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

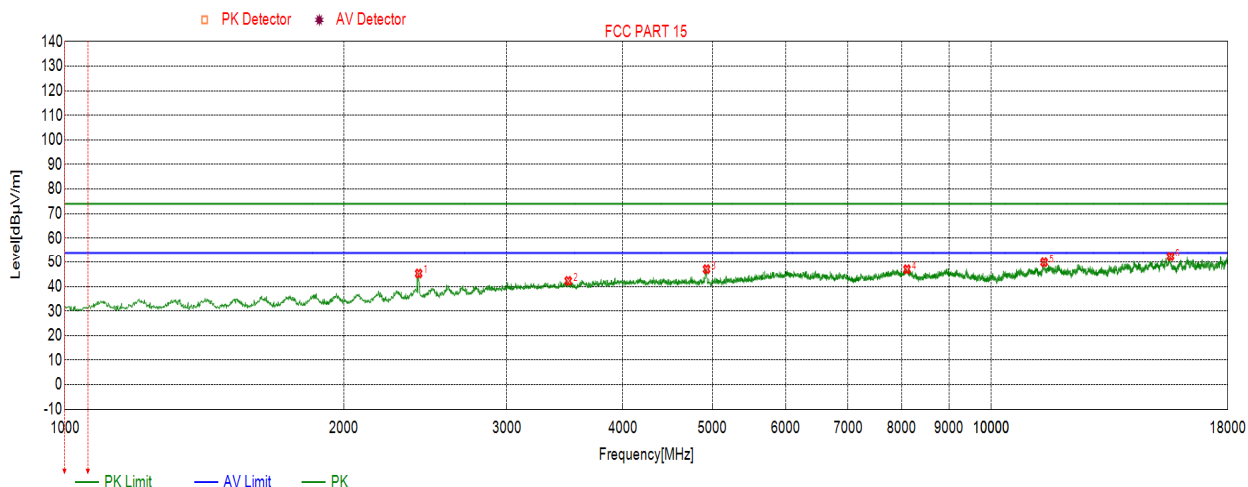
Test Mode	Channel	Polarization	Verdict
11N20MIMO	MCH	Vertical	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2414.5415	43.71	74.00	-30.29	54.00	-10.29	peak
2	3069.1069	41.92	74.00	-32.08	54.00	-12.08	peak
3	4876.3876	44.98	74.00	-29.02	54.00	-9.02	peak
4	7924.7925	47.53	74.00	-26.47	54.00	-6.47	peak
5	11406.7407	48.81	74.00	-25.19	54.00	-5.19	peak
6	15595.9596	51.67	74.00	-22.33	54.00	-2.33	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

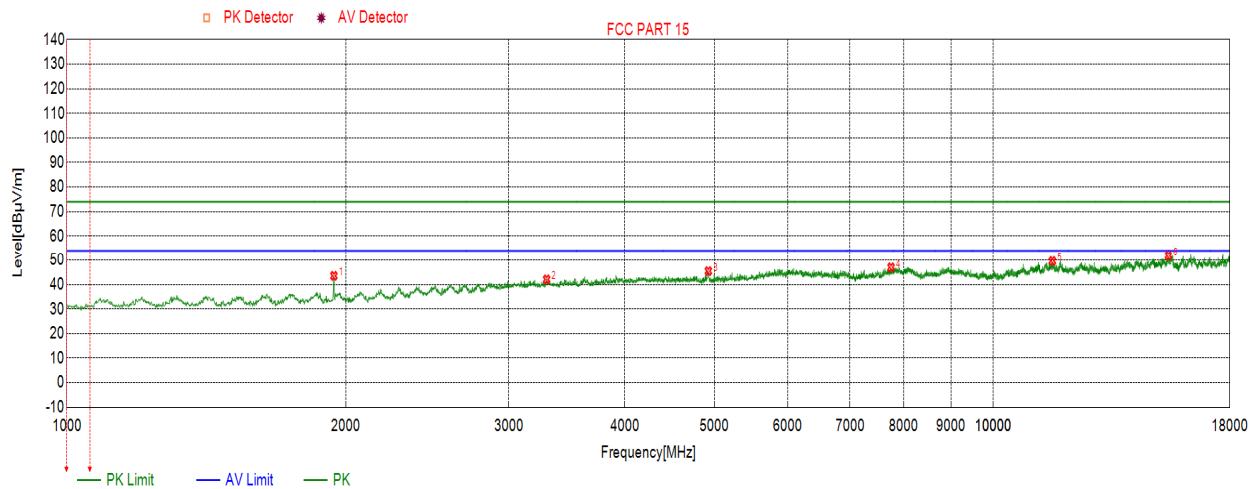
Test Mode	Channel	Polarization	Verdict
11N20MIMO	HCH	Horizontal	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2409.4409	45.27	74.00	-28.73	54.00	-8.73	peak
2	3494.1494	42.25	74.00	-31.75	54.00	-11.75	peak
3	4927.3927	47.02	74.00	-26.98	54.00	-6.98	peak
4	8110.1110	46.98	74.00	-27.02	54.00	-7.02	peak
5	11403.3403	49.86	74.00	-24.14	54.00	-4.14	peak
6	15612.9613	52.37	74.00	-21.63	54.00	-1.63	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

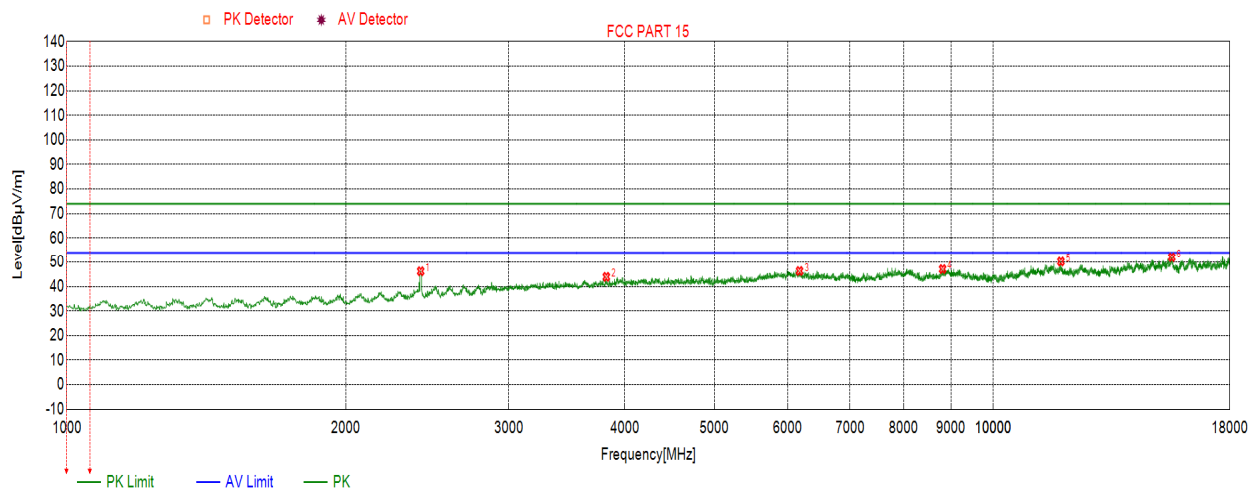
Test Mode	Channel	Polarization	Verdict
11N20MIMO	HCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1941.8942	43.51	74.00	-30.49	54.00	-10.49	peak
2	3295.2295	42.05	74.00	-31.95	54.00	-11.95	peak
3	4925.6926	45.44	74.00	-28.56	54.00	-8.56	peak
4	7756.4756	46.98	74.00	-27.02	54.00	-7.02	peak
5	11581.8582	49.61	74.00	-24.39	54.00	-4.39	peak
6	15453.1453	51.79	74.00	-22.21	54.00	-2.21	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

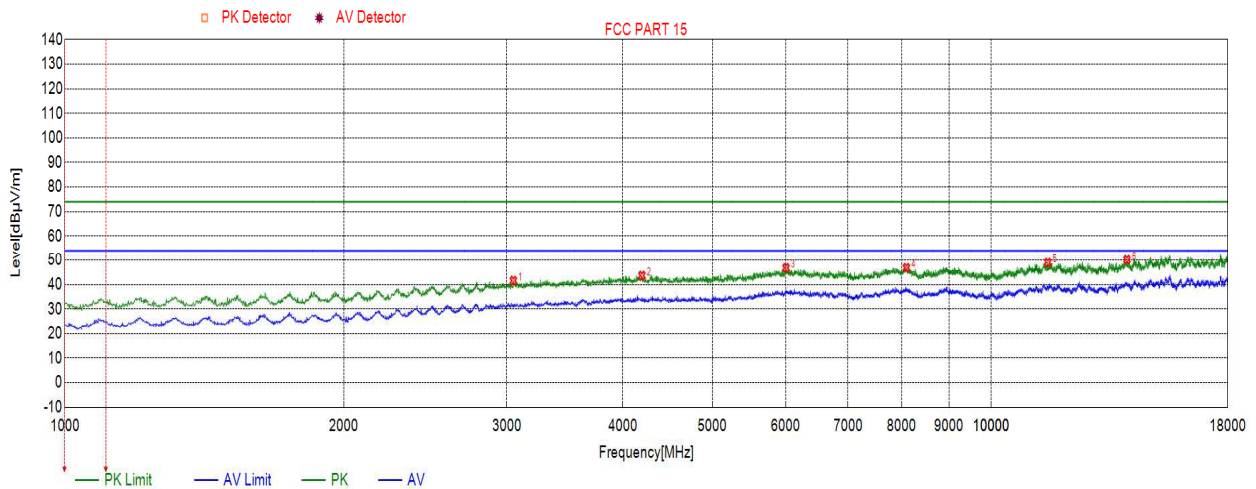
Test Mode	Channel	Polarization	Verdict
11N40MIMO	LCH	Horizontal	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV /m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2409.4409	46.20	74.00	-27.80	54.00	-7.80	peak
2	3822.2822	43.91	74.00	-30.09	54.00	-10.09	peak
3	6178.7179	46.31	74.00	-27.69	54.00	-7.69	peak
4	8815.6816	47.09	74.00	-26.91	54.00	-6.91	peak
5	11830.0830	50.20	74.00	-23.80	54.00	-3.80	peak
6	15584.0584	52.04	74.00	-21.96	54.00	-1.96	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

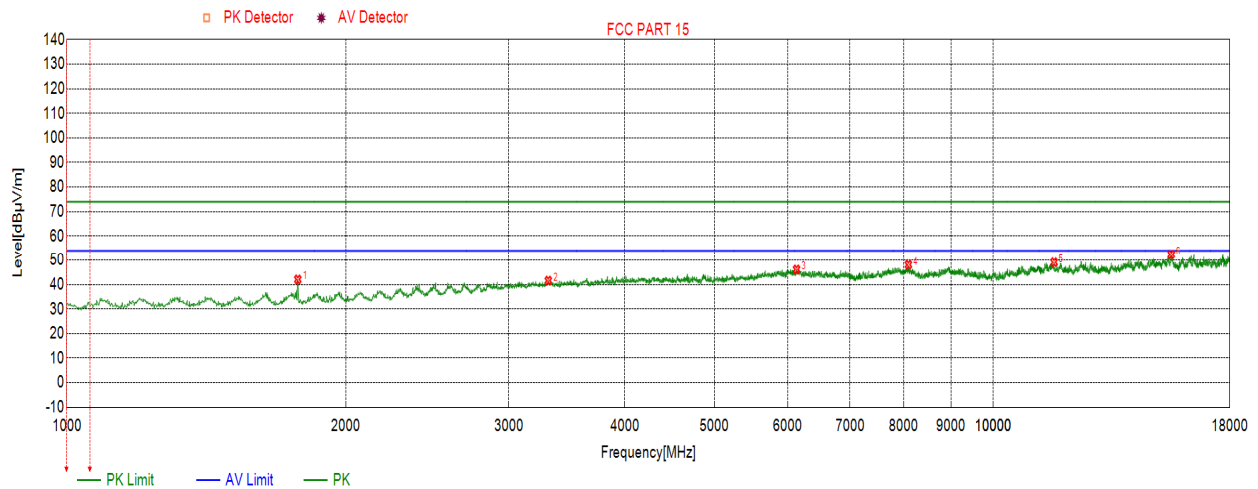
Test Mode	Channel	Polarization	Verdict
11N40MIMO	LCH	Vertical	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	3048.7049	41.57	74.00	-32.43	54.00	-12.43	peak
2	4196.3196	43.64	74.00	-30.36	54.00	-10.36	peak
3	6003.6004	46.74	74.00	-27.26	54.00	-7.26	peak
4	8098.2098	46.81	74.00	-27.19	54.00	-7.19	peak
5	11508.7509	48.95	74.00	-25.05	54.00	-5.05	peak
6	14009.7010	50.11	74.00	-23.89	54.00	-3.89	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

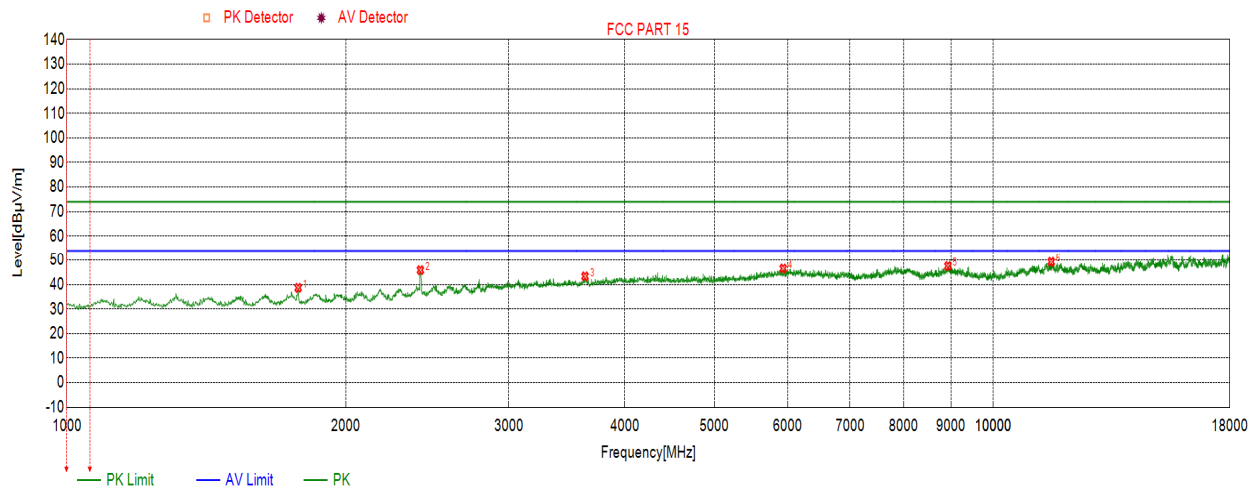
Test Mode	Channel	Polarization	Verdict
11N40MIMO	MCH	Horizontal	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV /m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	1775.2775	42.03	74.00	-31.97	54.00	-11.97	peak
2	3308.8309	41.57	74.00	-32.43	54.00	-12.43	peak
3	6132.8133	46.11	74.00	-27.89	54.00	-7.89	peak
4	8098.2098	48.06	74.00	-25.94	54.00	-5.94	peak
5	11631.1631	49.08	74.00	-24.92	54.00	-4.92	peak
6	15565.3565	52.37	74.00	-21.63	54.00	-1.63	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

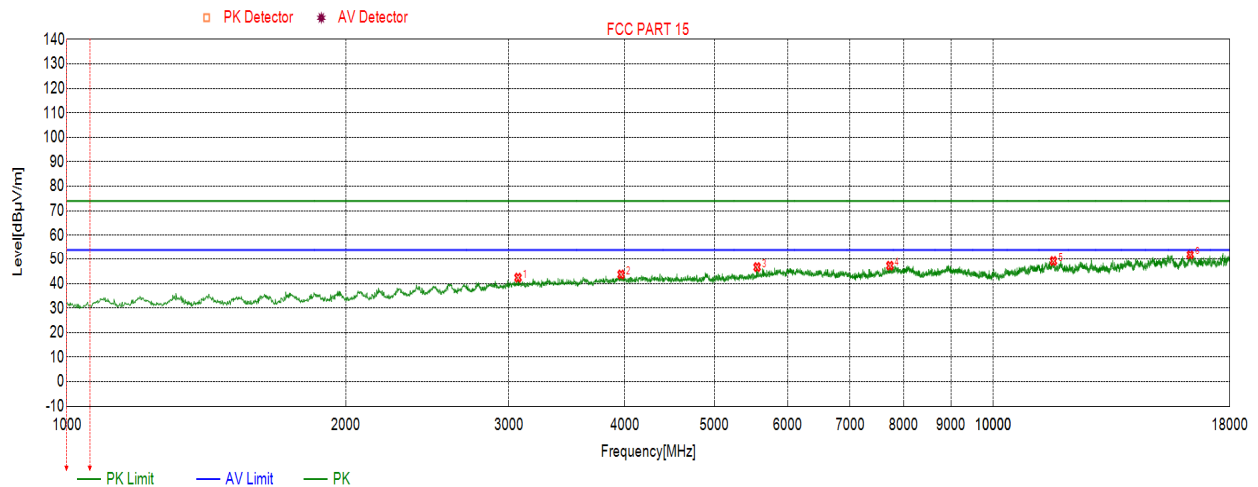
Test Mode	Channel	Polarization	Verdict
11N40MIMO	MCH	Vertical	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV /m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	1776.9777	38.61	74.00	-35.39	54.00	-15.39	peak
2	2407.7408	45.82	74.00	-28.18	54.00	-8.18	peak
3	3625.0625	43.29	74.00	-30.71	54.00	-10.71	peak
4	5932.1932	46.49	74.00	-27.51	54.00	-7.51	peak
5	8934.6935	47.50	74.00	-26.50	54.00	-6.50	peak
6	11549.5550	49.24	74.00	-24.76	54.00	-4.76	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

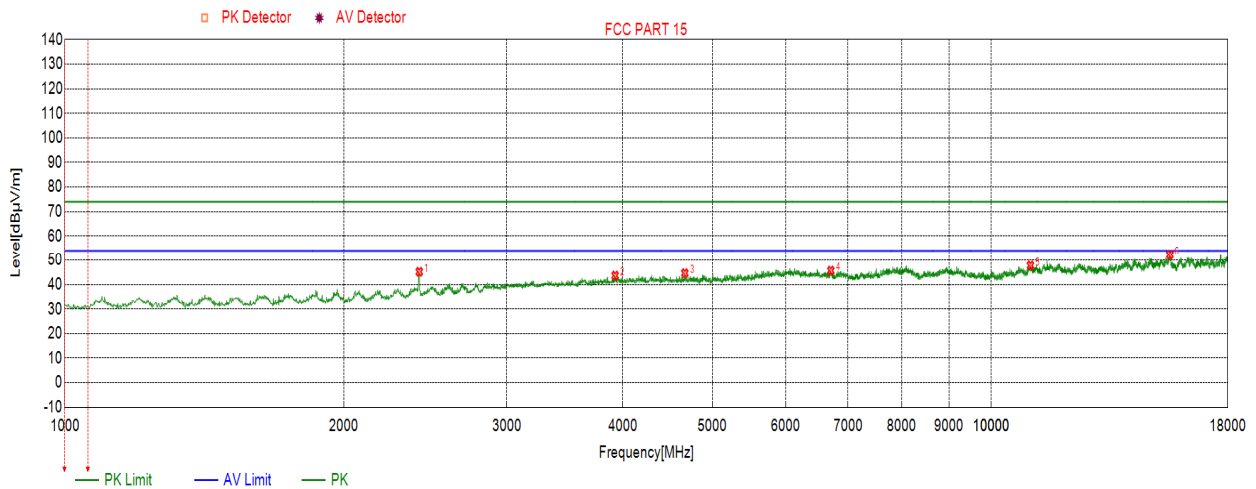
Test Mode	Channel	Polarization	Verdict
11N40MIMO	HCH	Horizontal	PASS



No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	3069.1069	42.35	74.00	-31.65	54.00	-11.65	peak
2	3965.0965	43.64	74.00	-30.36	54.00	-10.36	peak
3	5559.8560	46.63	74.00	-27.37	54.00	-7.37	peak
4	7734.3734	47.20	74.00	-26.80	54.00	-6.80	peak
5	11612.4612	49.12	74.00	-24.88	54.00	-4.88	peak
6	16313.4313	51.81	74.00	-22.19	54.00	-2.19	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Mode	Channel	Polarization	Verdict
11N40MIMO	HCH	Vertical	PASS



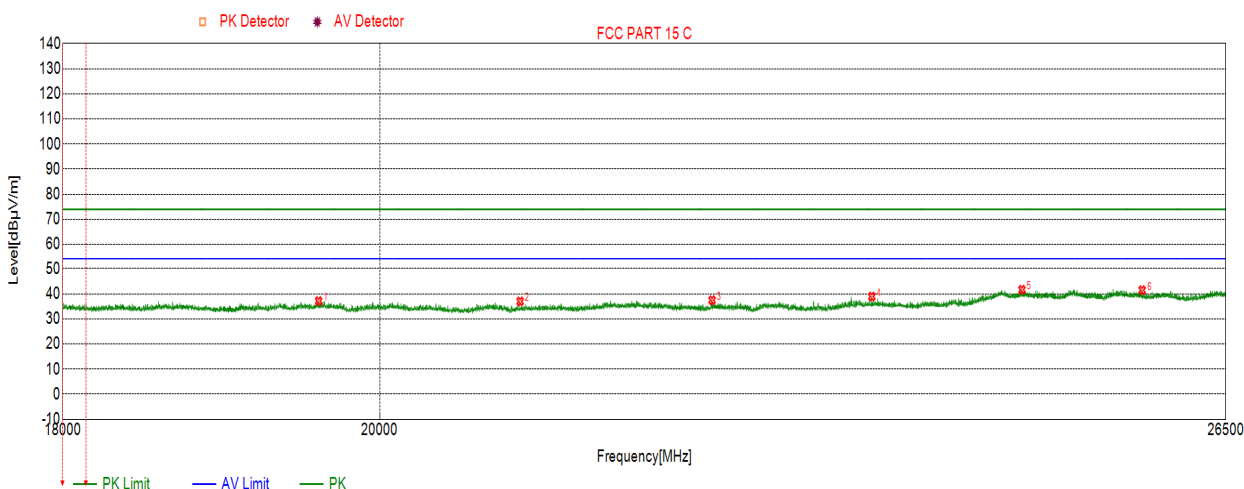
No.	Frequency	Result	Limit (Peak)	Margin (Peak)	Limit (Ave)	Margin (Ave)	Remark
	(MHz)	(dBuV /m)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	
1	2412.8413	45.17	74.00	-28.83	54.00	-8.83	peak
2	3925.9926	43.62	74.00	-30.38	54.00	-10.38	peak
3	4668.9669	44.60	74.00	-29.40	54.00	-9.40	peak
4	6710.8711	45.63	74.00	-28.37	54.00	-8.37	peak
5	11022.5023	47.75	74.00	-26.25	54.00	-6.25	peak
6	15589.1589	52.26	74.00	-21.74	54.00	-1.74	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

6.6.4.SPURIOUS EMISSIONS 18G ~ 26GHz

SPURIOUS EMISSIONS 18GHz TO 26GHz (WORST-CASE CONFIGURATION)

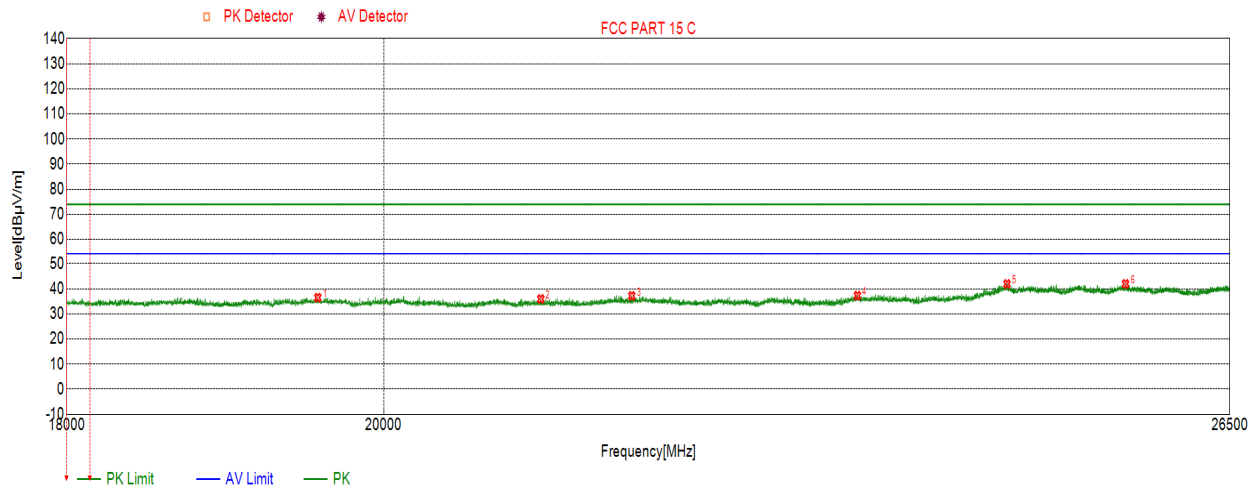
Test Mode	Channel	Polarization	Verdict
11N20MIMO	MCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV /m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	19598.1598	37.07	74.00	-36.93	54.00	-16.93	peak
2	20956.5957	36.93	74.00	-37.07	54.00	-17.07	peak
3	22337.9838	37.42	74.00	-36.58	54.00	-16.58	peak
4	23557.0057	38.87	74.00	-35.13	54.00	-15.13	peak
5	24763.2763	41.59	74.00	-32.41	54.00	-12.41	peak
6	25773.1773	41.43	74.00	-32.57	54.00	-12.57	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Mode	Channel	Polarization	Verdict
11N20MIMO	MCH	Vertical	PASS



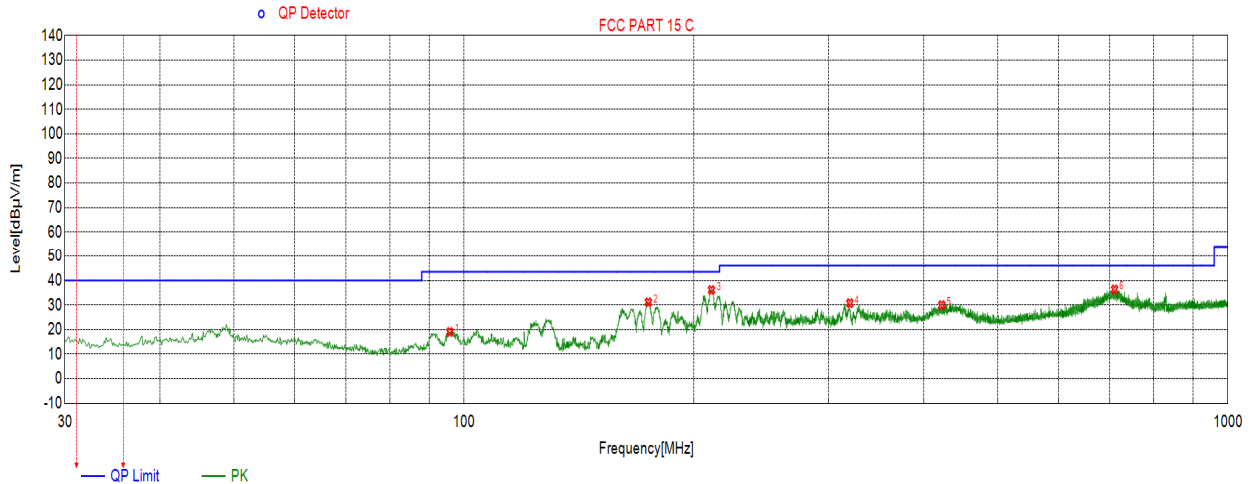
No.	Frequency	Result	Limit	Margin	Limit	Margin	Remark
	(MHz)	(dBuV /m)	(Peak) (dBuV/m)	(Peak) (dB)	(Ave) (dBuV/m)	(Ave) (dB)	
1	19566.7067	36.47	74.00	-37.53	54.00	-17.53	peak
2	21073.0573	35.91	74.00	-38.09	54.00	-18.09	peak
3	21720.8221	37.14	74.00	-36.86	54.00	-16.86	peak
4	23413.3413	37.24	74.00	-36.76	54.00	-16.76	peak
5	24607.7108	41.90	74.00	-32.10	54.00	-12.10	peak
6	25597.2097	41.91	74.00	-32.09	54.00	-12.09	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

6.6.5.SPURIOUS EMISSIONS 30M ~ 1GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)

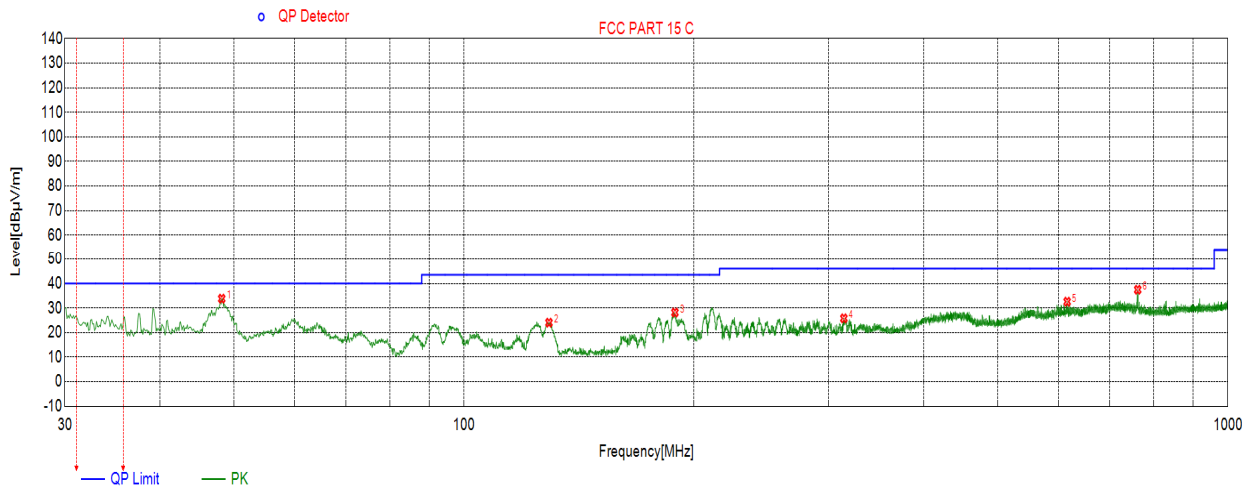
Test Mode	Channel	Polarization	Verdict
11N20 MIMO	MCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	95.7726	19.03	43.50	-24.47	QP
2	174.2534	31.10	43.50	-12.40	QP
3	210.8261	36.10	43.50	-7.40	QP
4	319.9620	30.74	46.00	-15.26	QP
5	422.2102	29.98	46.00	-16.02	QP
6	710.8141	36.36	46.00	-9.64	QP

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

Test Mode	Channel	Polarization	Verdict
11N20 MIMO	MCH	Vertical	PASS



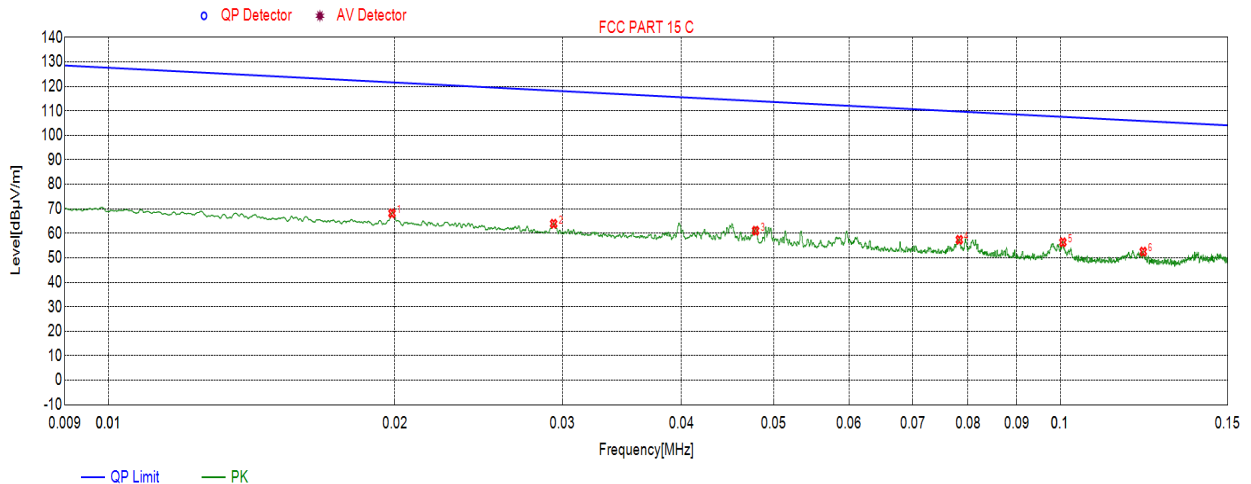
No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	48.1408	33.80	40.00	-6.20	QP
2	129.1439	24.03	43.50	-19.47	QP
3	188.8049	28.17	43.50	-15.33	QP
4	314.2384	25.78	46.00	-20.22	QP
5	616.1326	32.58	46.00	-13.42	QP
6	762.2292	37.43	46.00	-8.57	QP

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

6.6.6.SPURIOUS EMISSIONS BELOW 30M

SPURIOUS EMISSIONS Below 30MHz (WORST-CASE CONFIGURATION)

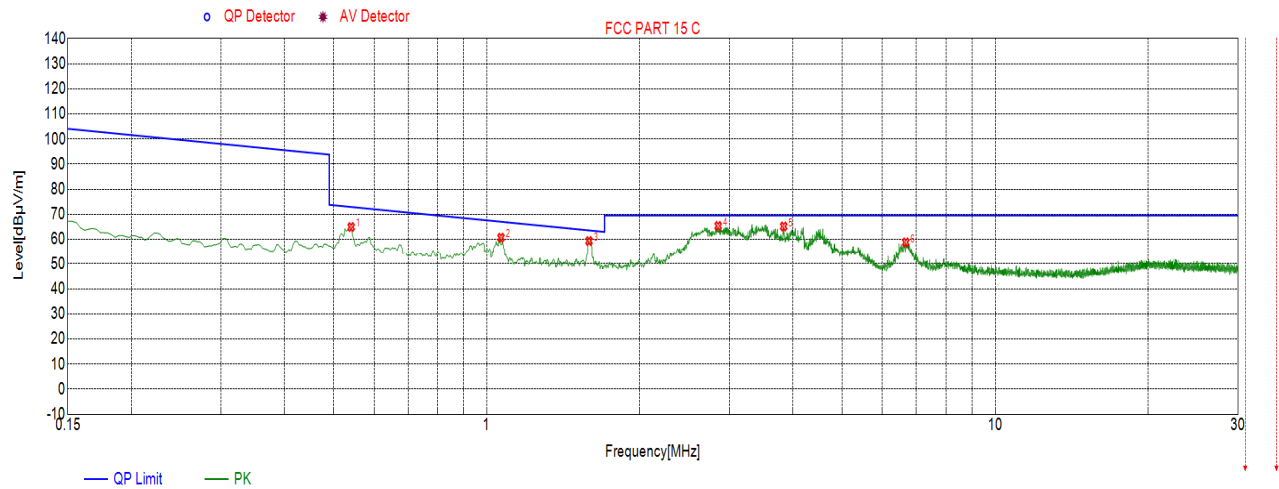
Test Mode	Channel	Frequency Range	Verdict
11N20 MIMO	MCH	9KHz~150KHz	PASS



No.	Frequency	Result	Limit	Margin	Remark
	(KHz)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0199	68.16	121.60	-53.44	Peak
2	0.0294	63.92	118.23	-54.31	Peak
3	0.0479	61.07	113.98	-52.91	Peak
4	0.0784	57.36	109.71	-52.35	Peak
5	0.1007	56.34	107.54	-51.20	Peak
6	0.1223	52.53	105.85	-53.32	Peak

Note: 1.If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

Test Mode	Channel	Frequency Range	Verdict
11N20 MIMO	MCH	150KHz~30MHz	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.5411	64.97	72.94	-7.97	Peak
2	1.0665	60.73	67.06	-6.33	Peak
3	1.5889	59.39	63.61	-4.22	Peak
4	2.8517	65.38	69.50	-4.12	Peak
5	3.8368	65.18	69.50	-4.32	Peak
6	6.6699	58.83	69.50	-10.67	Peak

Note: 1.If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

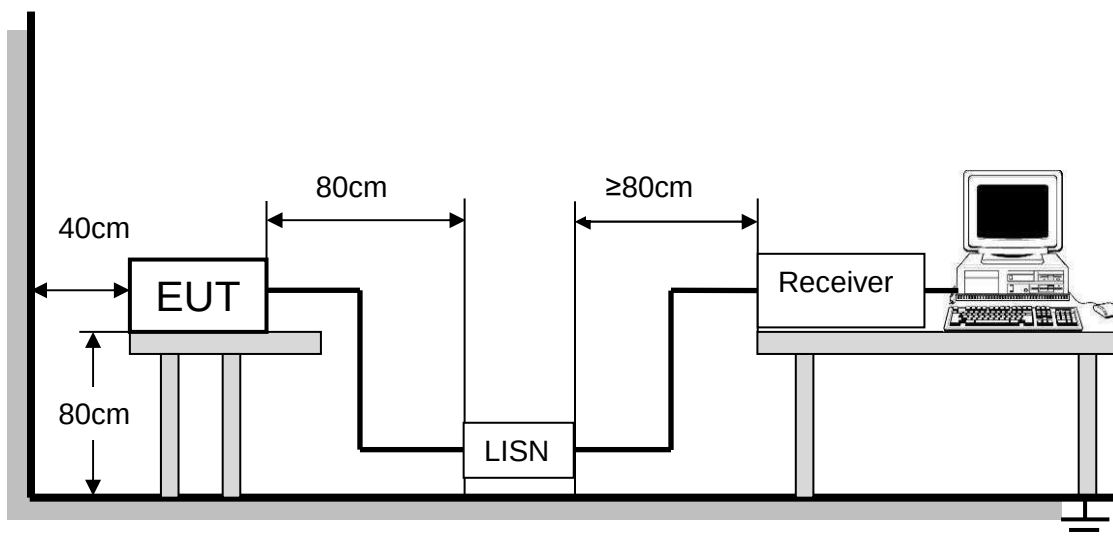
7. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

TEST SETUP AND PROCEDURE



The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.

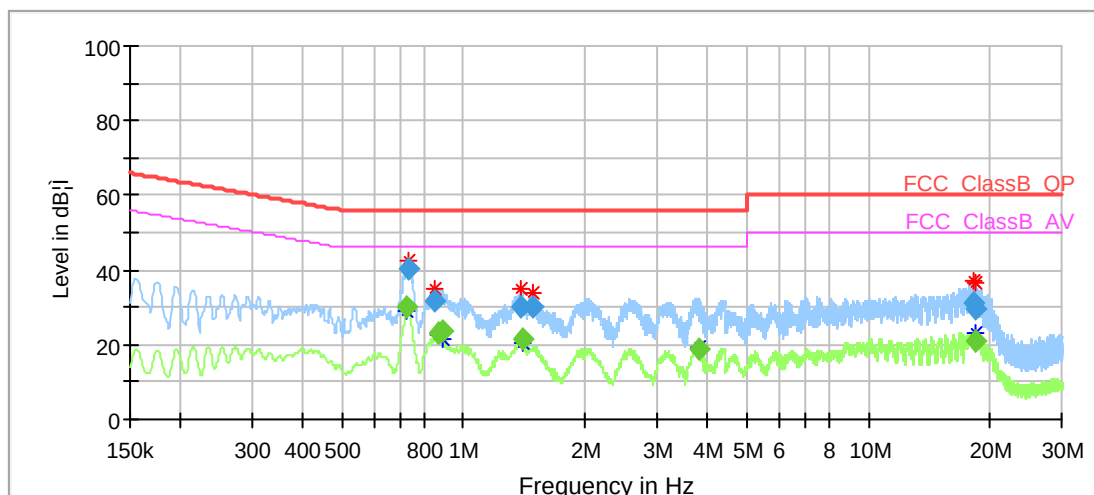
The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

1) For 9KHz-30MHz (worst case)

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11N20 MIMO	Antenna 1+2	MCH	<Limit	PASS

TEST RESULTS (WORST-CASE CONFIGURATION)**For L:**

Full Spectrum

**Final_Result**

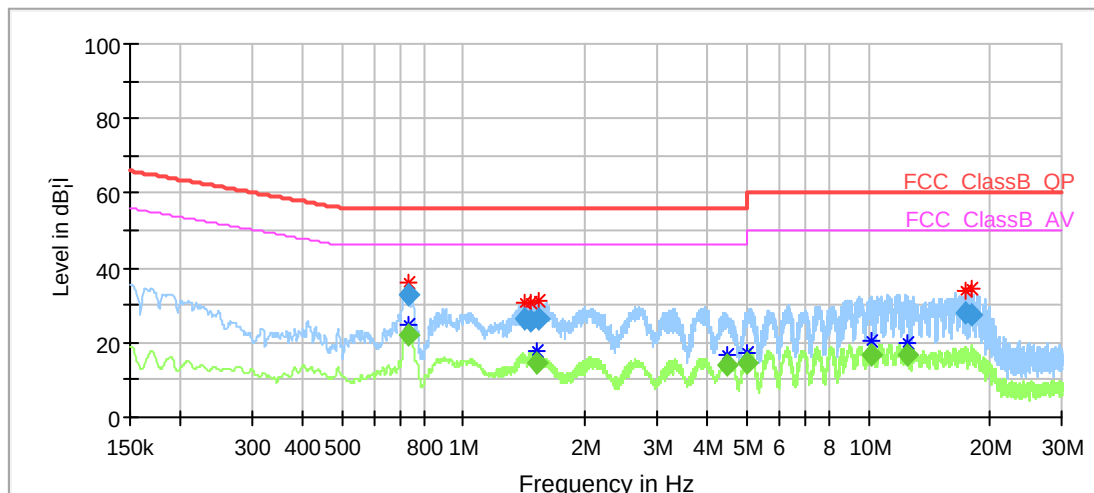
Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.722125	---	30.37	46.00	15.63	1000.0	9.000	L1	10.2
0.729090	40.26	---	56.00	15.74	1000.0	9.000	L1	10.2
0.846500	31.50	---	56.00	24.50	1000.0	9.000	L1	9.9
0.867395	---	23.30	46.00	22.70	1000.0	9.000	L1	9.9
0.885305	---	23.45	46.00	22.55	1000.0	9.000	L1	9.8
1.381810	30.34	---	56.00	25.66	1000.0	9.000	L1	9.7
1.400715	---	21.64	46.00	24.36	1000.0	9.000	L1	9.7
1.477330	29.98	---	56.00	26.02	1000.0	9.000	L1	9.8
3.800655	---	18.58	46.00	27.42	1000.0	9.000	L1	10.0
18.079900	30.95	---	60.00	29.05	1000.0	9.000	L1	10.9
18.311735	---	20.72	50.00	29.28	1000.0	9.000	L1	10.9
18.357505	29.61	---	60.00	30.39	1000.0	9.000	L1	10.9

(continuation of the "Final_Result" table from column 15 ...)

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

For N:

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.729090	---	22.09	46.00	23.91	1000.0	9.000	N	9.7
0.730085	32.53	---	56.00	23.47	1000.0	9.000	N	9.7
1.420615	26.11	---	56.00	29.89	1000.0	9.000	N	9.7
1.458425	26.06	---	56.00	29.94	1000.0	9.000	N	9.8
1.514145	---	14.43	46.00	31.57	1000.0	9.000	N	9.8
1.534045	26.10	---	56.00	29.90	1000.0	9.000	N	9.8
4.476260	---	13.79	46.00	32.21	1000.0	9.000	N	10.3
4.999630	---	14.43	46.00	31.57	1000.0	9.000	N	10.3
10.106965	---	16.45	50.00	33.55	1000.0	9.000	N	10.2
12.487005	---	16.68	50.00	33.32	1000.0	9.000	N	10.4
17.450065	28.03	---	60.00	31.97	1000.0	9.000	N	10.8
18.039105	27.41	---	60.00	32.59	1000.0	9.000	N	10.9

(continuation of the "Final_Result" table from column 15 ...)

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

8. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

ANTENNA CONNECTOR

EUT has two Dipole Antennas with a PIFA PCB Antenna

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi.

END OF REPORT