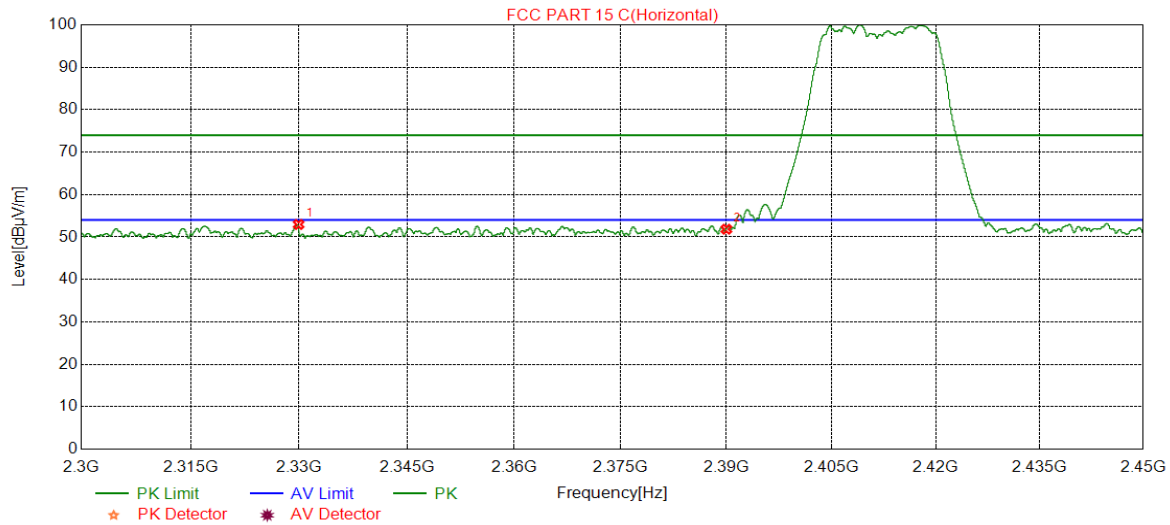




Test Mode	Channel	Polarization	Verdict
11N20 MIMO	LCH	Horizontal	PASS

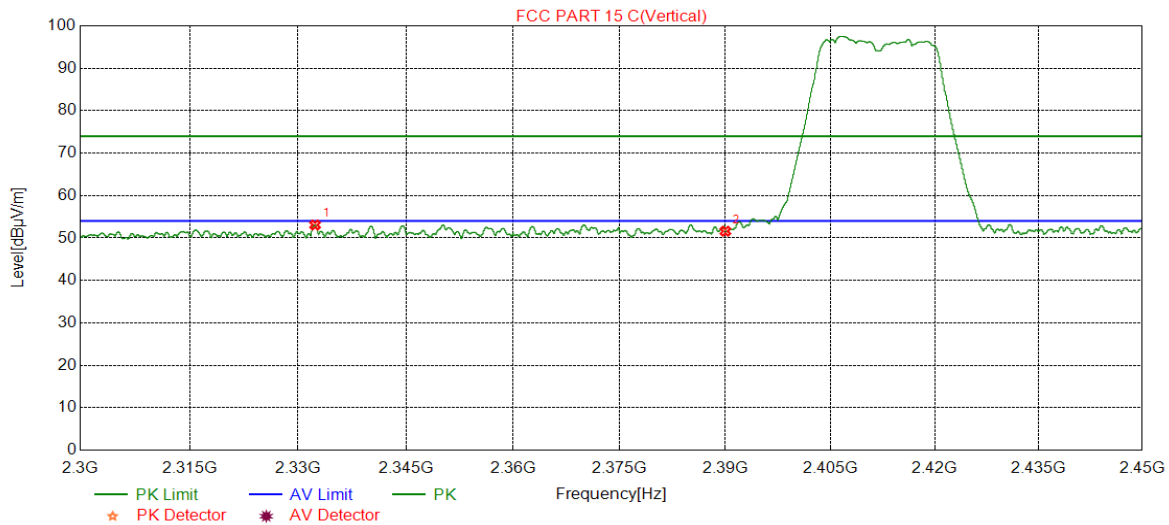


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2329.9287	39.49	13.46	52.95	74.00	-21.05	peak
2	2390.0000	37.74	14.09	51.83	74.00	-22.17	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N20 MIMO	LCH	Vertical	PASS

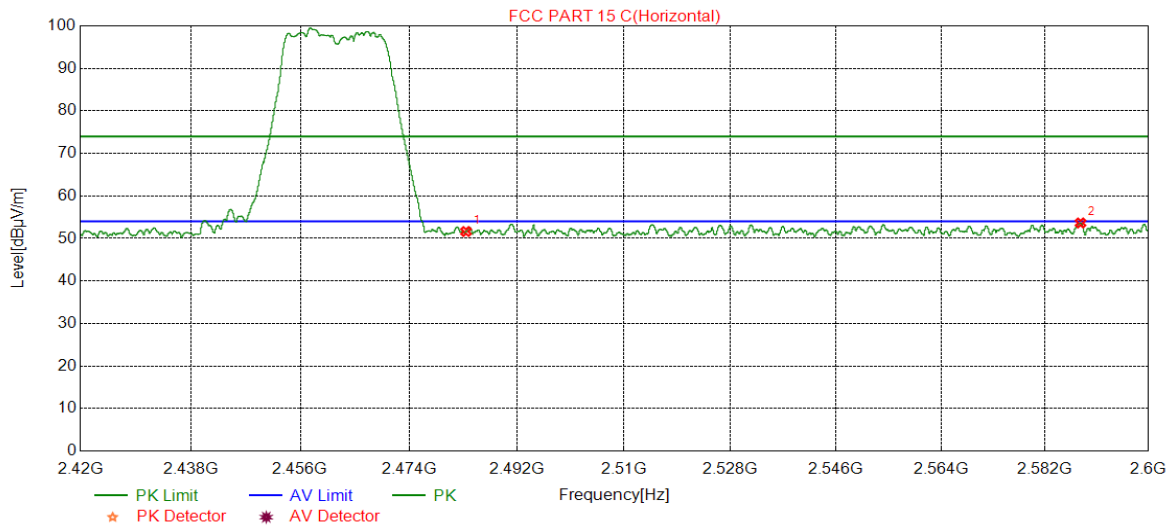


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2332.3478	39.56	13.50	53.06	74.00	-20.94	peak
2	2390.0000	37.51	14.09	51.60	74.00	-22.40	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N20 MIMO	HCH	Horizontal	PASS

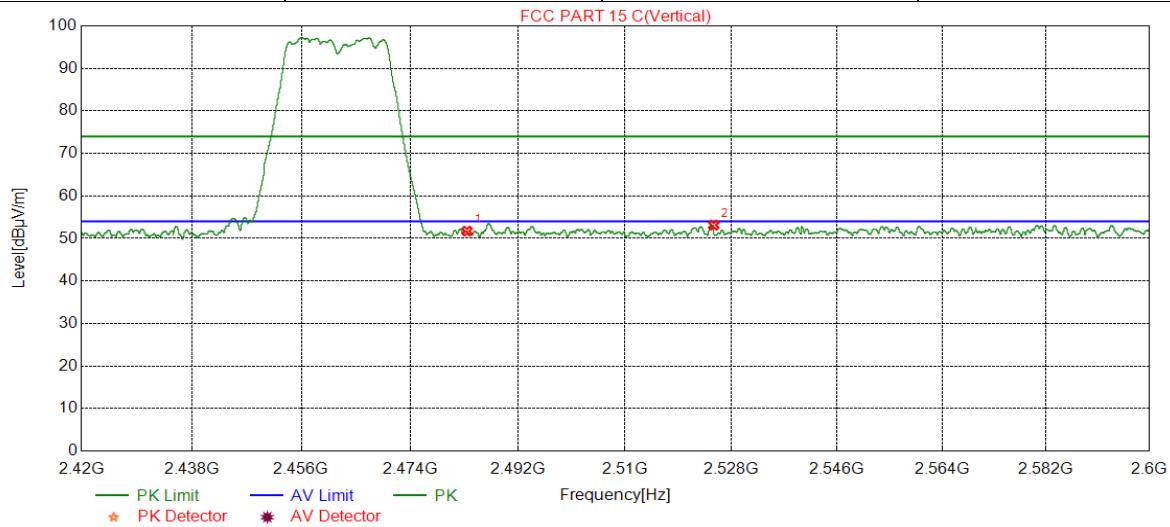


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	37.75	13.88	51.63	74.00	-22.37	peak
2	2588.1368	39.17	14.47	53.64	74.00	-20.36	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N20 MIMO	HCH	Vertical	PASS

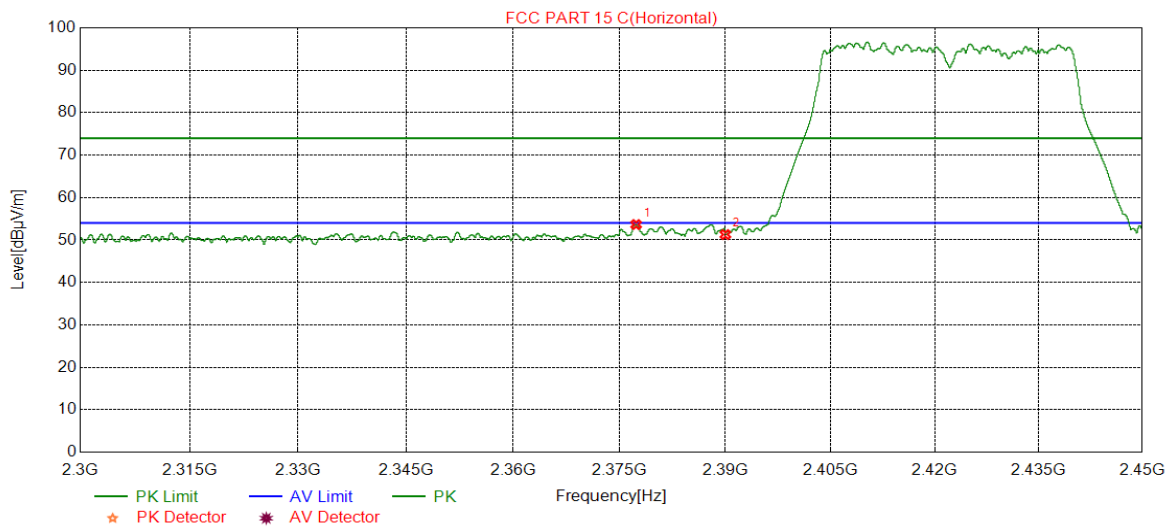


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	37.84	13.88	51.72	74.00	-22.28	peak
2	2524.9865	38.87	14.26	53.13	74.00	-20.87	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N40 MIMO	LCH	Horizontal	PASS

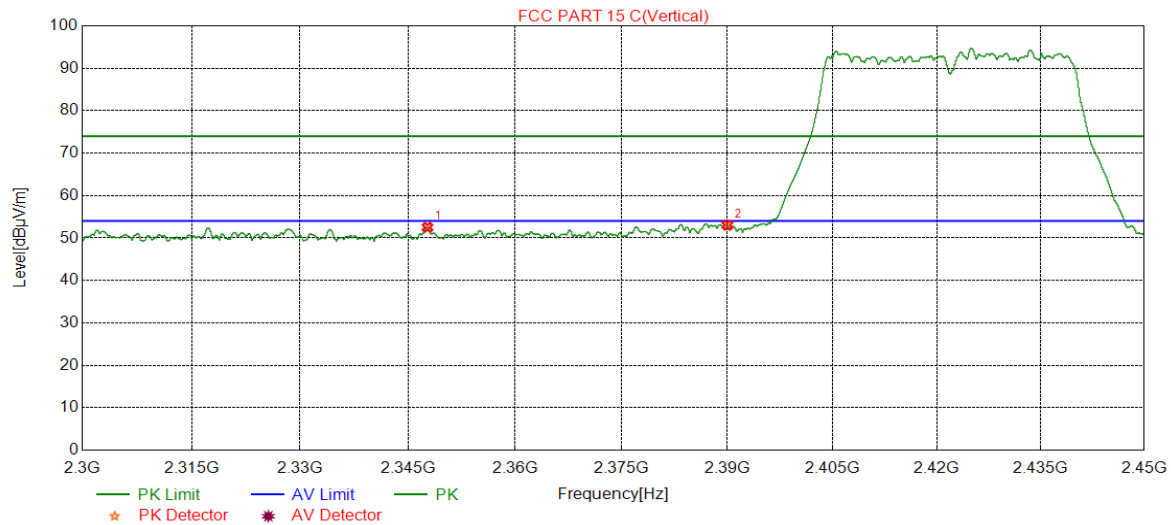


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2377.3347	39.70	13.94	53.64	74.00	-20.36	peak
2	2390.0000	37.19	14.09	51.28	74.00	-22.72	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N40 MIMO	LCH	Vertical	PASS

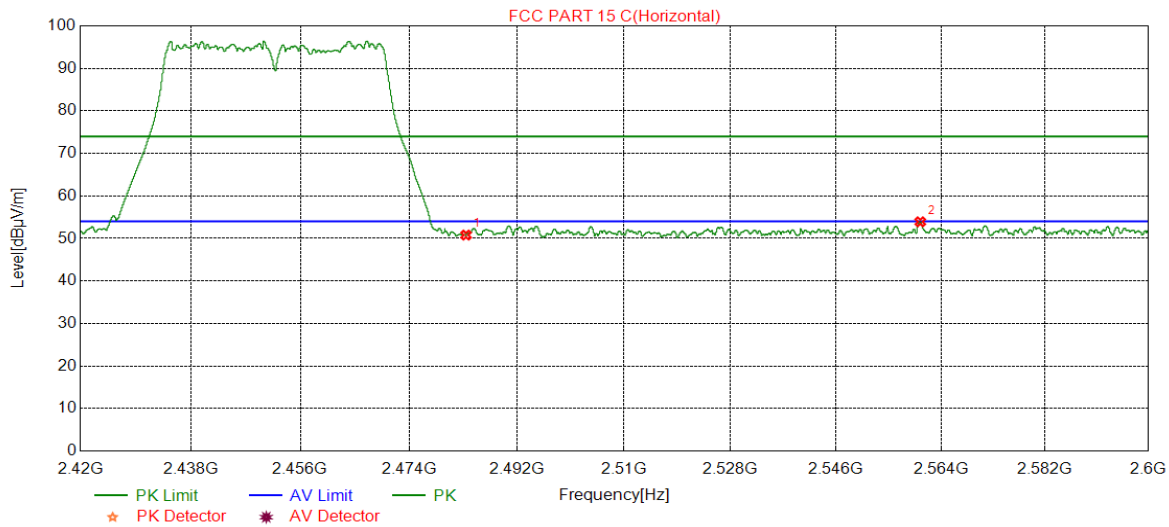


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2347.7247	38.84	13.66	52.50	74.00	-21.50	peak
2	2390.0000	38.91	14.09	53.00	74.00	-21.00	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N40 MIMO	HCH	Horizontal	PASS

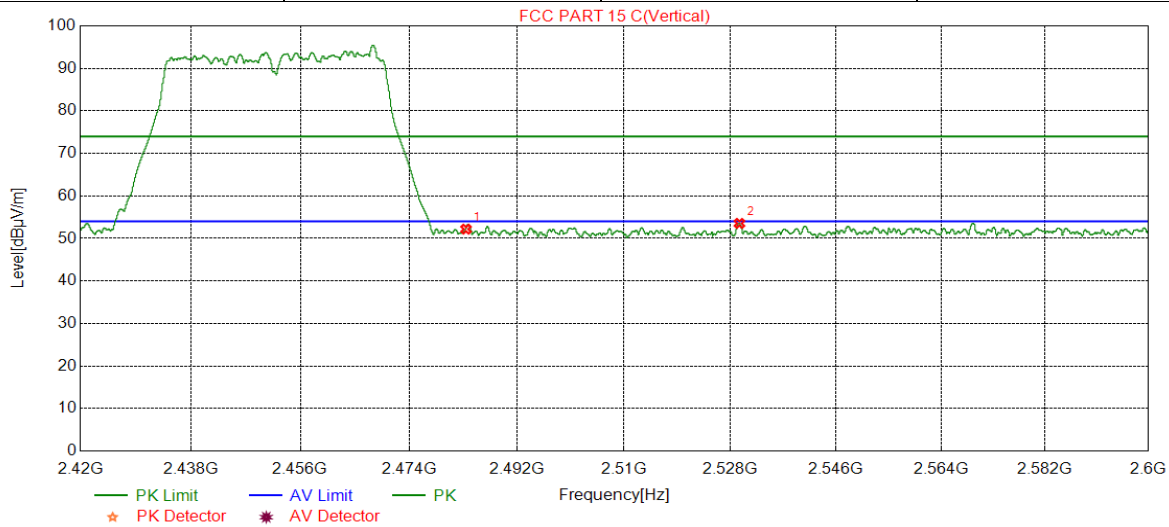


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	36.91	13.88	50.79	74.00	-23.21	peak
2	2560.4320	39.45	14.46	53.91	74.00	-20.09	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N40 MIMO	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	38.30	13.88	52.18	74.00	-21.82	peak
2	2529.5230	39.27	14.27	53.54	74.00	-20.46	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



7.6.4.SPURIOUS EMISSIONS

Test Result Table:

1) For 1GHz~18GHz

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11B SISO	Antenna1+Antenna2	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11G SISO	Antenna1+Antenna2	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11N20 MIMO	Antenna1+Antenna2	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11N40 MIMO	Antenna1+Antenna2	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS

Remark:

- 1) For this product, it has two antennas, antenna1 and antenna2, the 802.11B & 802.11G modes can only support the SISO technical, but the ant1 and ant2 of this product can transmitter in the same time under those modes. For the 802.11N HT20 and 802.11N HT40 can support both the SISO and MIMO technical.
- 2) Through pre-testing all the test modes of 11N 20 and 11N40, including SISO and MIMO, but only the data if worse case is included in this test report.

2) For 9KHz~30MHz

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11N40 MIMO	Antenna1+Antenna2	HCH	<Limit	PASS

Remark:

- 1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.

3) For 30MHz~1GHz

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11N40 MIMO	Antenna1+Antenna2	HCH	<Limit	PASS

Remark:

- 1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.

4) For 18GHz~26.5GHz

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11N40 MIMO	Antenna1+Antenna2	HCH	<Limit	PASS

Remark:

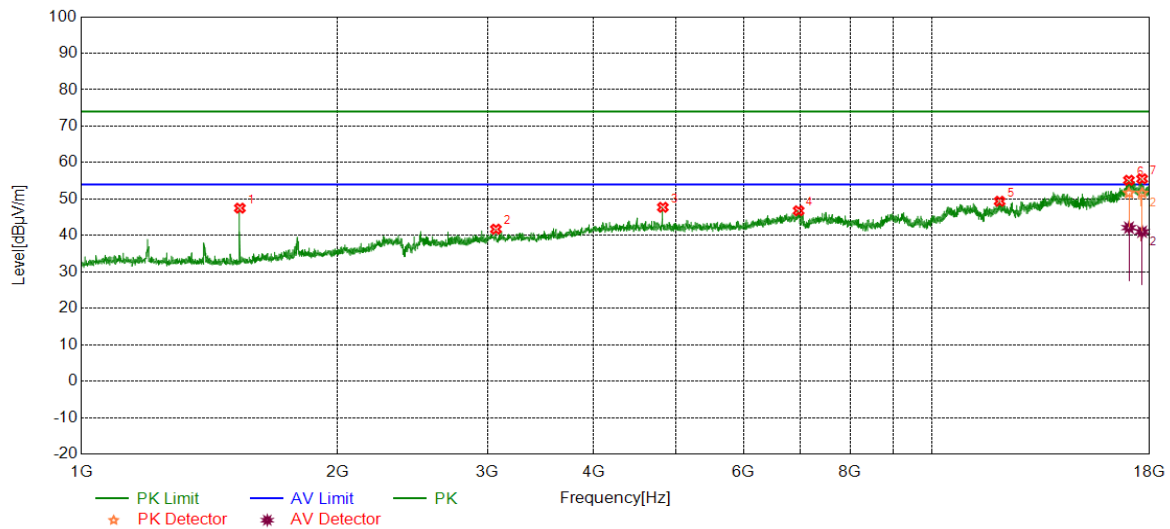
- 1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.



Part I: 1GHz~18GHz

HARMONICS AND SPURIOUS EMISSIONS

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

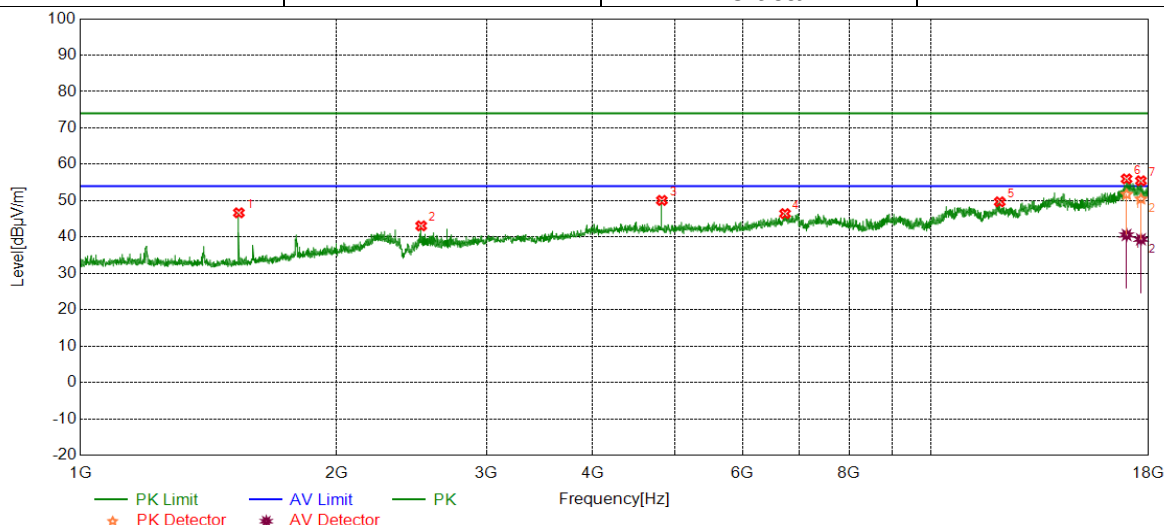


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	53.18	-5.69	47.49	74.00	-26.51	peak
2	3070.0117	39.90	1.82	41.72	74.00	-32.28	peak
3	4822.8038	42.78	4.94	47.72	74.00	-26.28	peak
4	6963.1605	38.09	8.69	46.78	74.00	-27.22	peak
5	11996.4994	35.42	13.96	49.38	74.00	-24.62	peak
6	17019.8366	34.99	20.15	55.14	74.00	-18.86	peak
		21.98	20.15	42.13	54.00	-11.87	average
7	17637.4396	36.13	19.39	55.52	74.00	-18.48	peak
		21.62	19.39	41.01	54.00	-12.99	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS

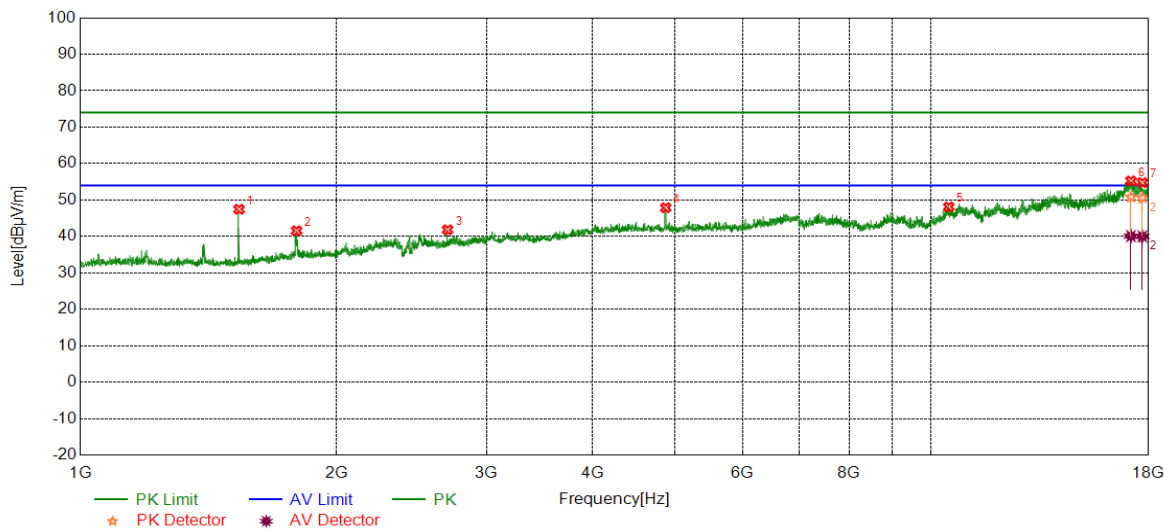


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	52.34	-5.69	46.65	74.00	-27.35	peak
2	2514.5048	43.69	-0.63	43.06	74.00	-30.94	peak
3	4822.8038	45.12	4.94	50.06	74.00	-23.94	peak
4	6730.6218	37.63	8.80	46.43	74.00	-27.57	peak
5	12031.5053	36.11	13.56	49.67	74.00	-24.33	peak
6	16957.3262	35.85	20.13	55.98	74.00	-18.02	peak
		20.43	20.13	40.56	54.00	-13.44	average
7	17629.9383	36.17	19.29	55.46	74.00	-18.54	peak
		20.08	19.29	39.37	54.00	-14.63	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS

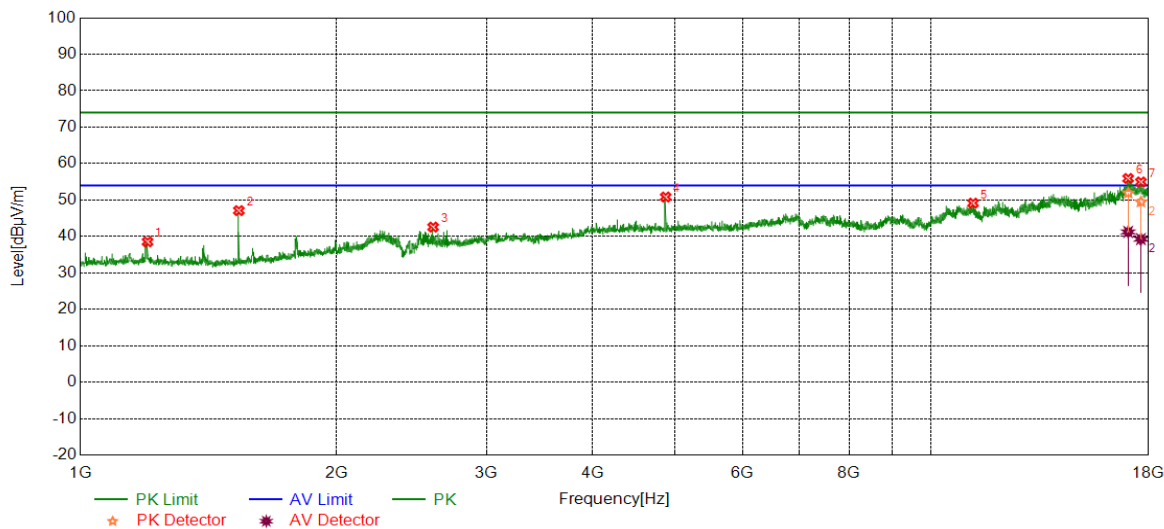


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1536.1787	53.13	-5.68	47.45	74.00	-26.55	peak
2	1794.9316	45.47	-3.93	41.54	74.00	-32.46	peak
3	2700.5669	42.30	-0.48	41.82	74.00	-32.18	peak
4	4872.8121	42.67	5.21	47.88	74.00	-26.12	peak
5	10483.7473	35.94	12.16	48.10	74.00	-25.90	peak
6	17159.8600	35.49	19.74	55.23	74.00	-18.77	peak
		20.35	19.74	40.09	54.00	-13.91	average
7	17694.9492	36.31	18.47	54.78	74.00	-19.22	peak
		21.55	18.47	40.02	54.00	-13.98	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS

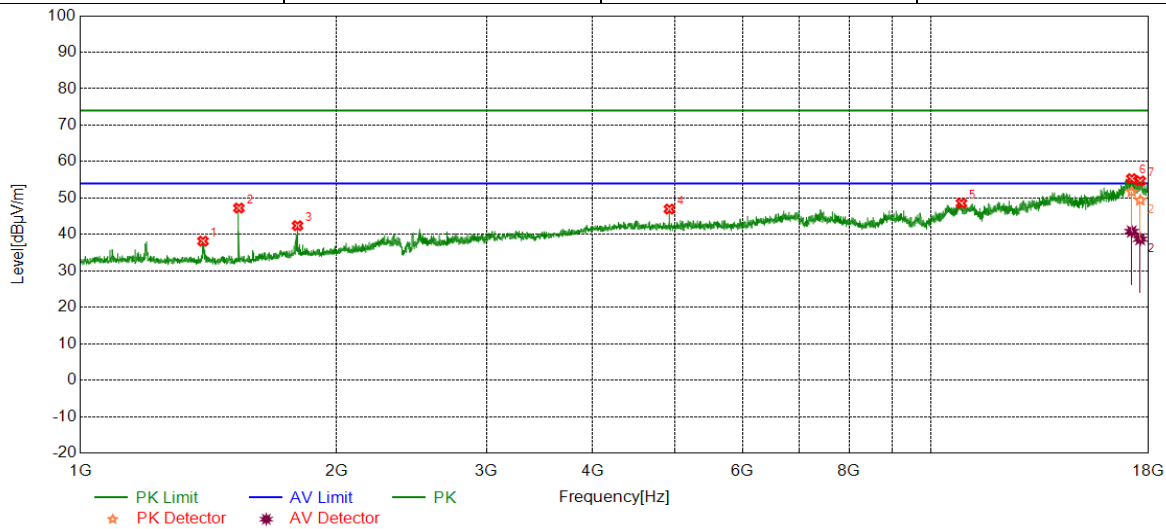


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1199.3998	44.06	-5.54	38.52	74.00	-35.48	peak
2	1535.5118	52.78	-5.69	47.09	74.00	-26.91	peak
3	2597.1991	43.29	-0.73	42.56	74.00	-31.44	peak
4	4872.8121	45.61	5.21	50.82	74.00	-23.18	peak
5	11193.8656	36.55	12.59	49.14	74.00	-24.86	peak
6	17029.8383	35.69	20.22	55.91	74.00	-18.09	peak
		21.01	20.22	41.23	54.00	-12.77	average
7	17629.9383	35.66	19.29	54.95	74.00	-19.05	peak
		19.98	19.29	39.27	54.00	-14.73	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS

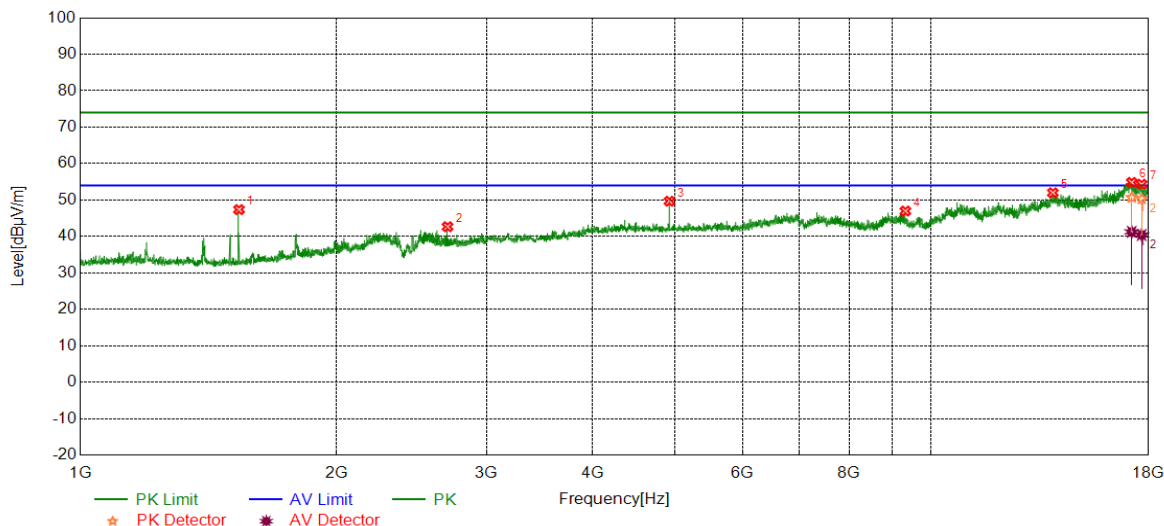


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1393.4645	43.84	-5.69	38.15	74.00	-35.85	peak
2	1535.5118	52.93	-5.69	47.24	74.00	-26.76	peak
3	1799.5999	46.28	-3.88	42.40	74.00	-31.60	peak
4	4922.8205	41.72	5.24	46.96	74.00	-27.04	peak
5	10846.3077	35.75	12.82	48.57	74.00	-25.43	peak
6	17194.8658	36.08	19.23	55.31	74.00	-18.69	peak
		21.58	19.23	40.81	54.00	-13.19	average
7	17594.9325	35.10	19.58	54.68	74.00	-19.32	peak
		19.12	19.58	38.70	54.00	-15.30	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS

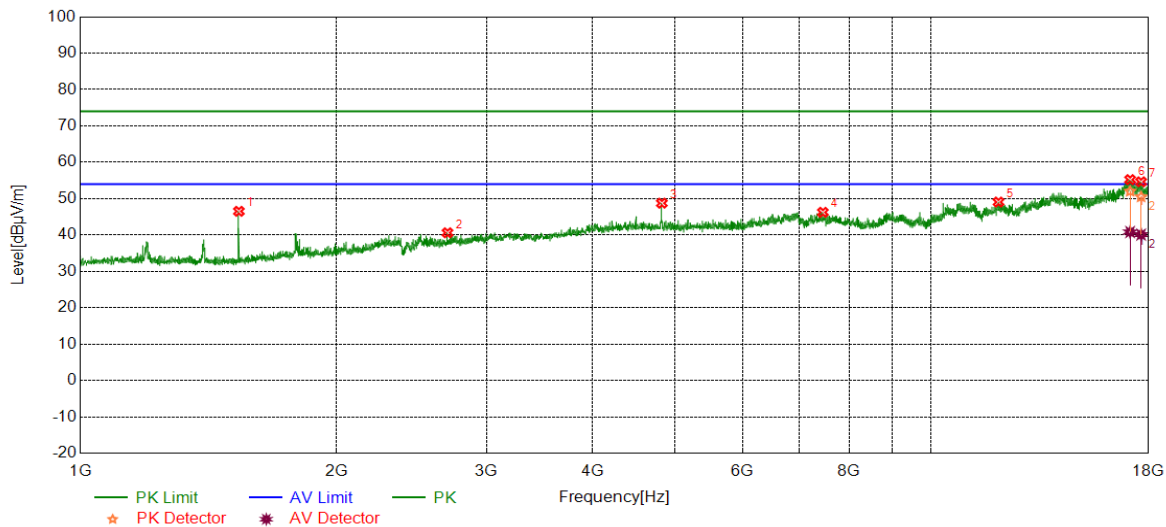


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1536.1787	53.04	-5.68	47.36	74.00	-26.64	peak
2	2700.5669	43.14	-0.48	42.66	74.00	-31.34	peak
3	4922.8205	44.43	5.24	49.67	74.00	-24.33	peak
4	9321.0535	37.78	9.18	46.96	74.00	-27.04	peak
5	13891.8153	35.79	16.19	51.98	74.00	-22.02	peak
6	17194.8658	35.60	19.23	54.83	74.00	-19.17	peak
		22.02	19.23	41.25	54.00	-12.75	average
7	17664.9442	34.82	19.51	54.33	74.00	-19.67	peak
		20.90	19.51	40.41	54.00	-13.59	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS

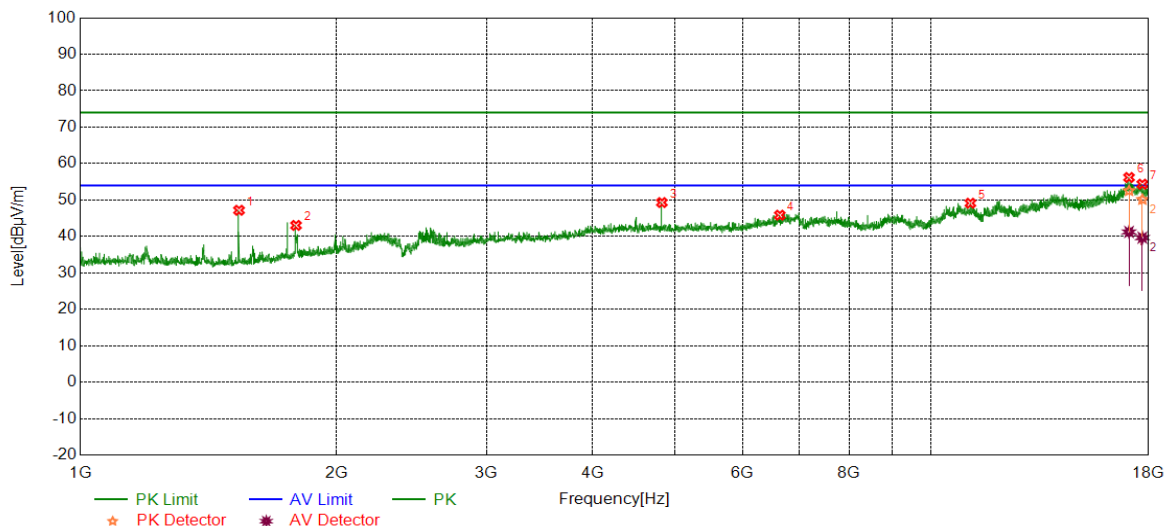


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	52.21	-5.69	46.52	74.00	-27.48	peak
2	2700.5669	41.09	-0.48	40.61	74.00	-33.39	peak
3	4822.8038	43.81	4.94	48.75	74.00	-25.25	peak
4	7455.7426	36.99	9.25	46.24	74.00	-27.76	peak
5	11991.4986	35.13	13.93	49.06	74.00	-24.94	peak
6	17119.8533	36.21	19.01	55.22	74.00	-18.78	peak
		21.81	19.01	40.82	54.00	-13.18	average
7	17637.4396	35.24	19.39	54.63	74.00	-19.37	peak
		20.72	19.39	40.11	54.00	-13.89	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS

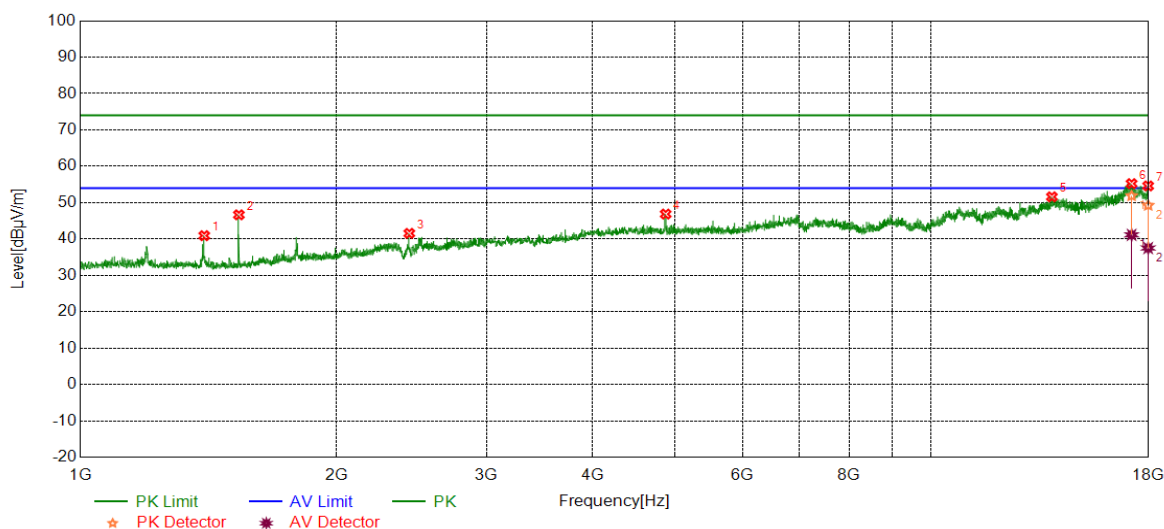


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1536.1787	52.86	-5.68	47.18	74.00	-26.82	peak
2	1792.2641	46.99	-3.96	43.03	74.00	-30.97	peak
3	4822.8038	44.36	4.94	49.30	74.00	-24.70	peak
4	6635.6059	37.52	8.31	45.83	74.00	-28.17	peak
5	11113.8523	36.45	12.67	49.12	74.00	-24.88	peak
6	17069.8450	35.66	20.52	56.18	74.00	-17.82	peak
		20.71	20.52	41.23	54.00	-12.77	average
7	17697.4496	35.72	18.62	54.34	74.00	-19.66	peak
		21.05	18.62	39.67	54.00	-14.33	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	MCH	Horizontal	PASS

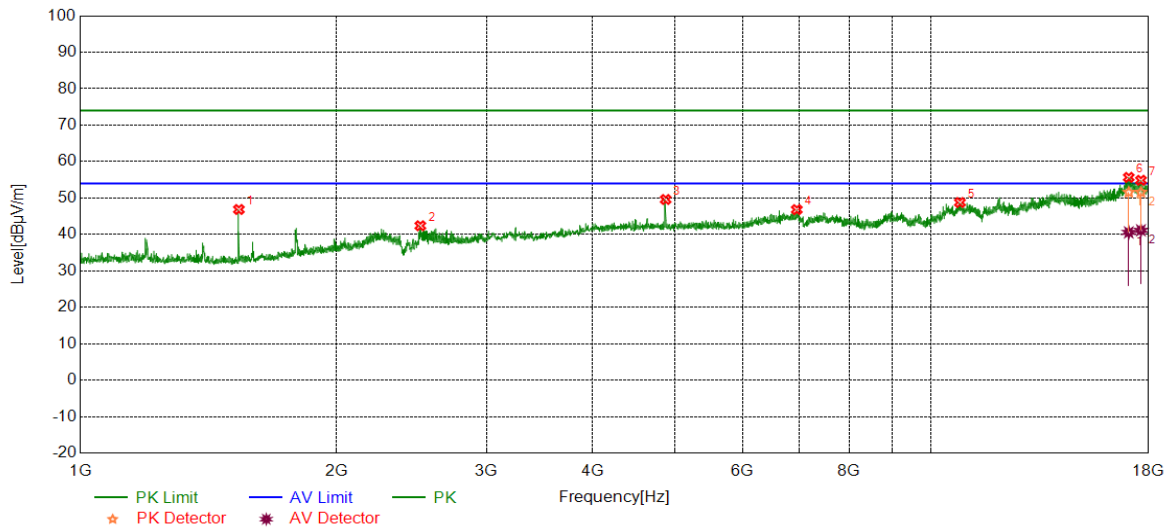


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1398.1327	46.49	-5.58	40.91	74.00	-33.09	peak
2	1535.5118	52.34	-5.69	46.65	74.00	-27.35	peak
3	2435.1450	42.63	-1.08	41.55	74.00	-32.45	peak
4	4872.8121	41.65	5.21	46.86	74.00	-27.14	peak
5	13854.3091	35.93	15.67	51.60	74.00	-22.40	peak
6	17189.8650	35.68	19.54	55.22	74.00	-18.78	peak
		21.60	19.54	41.14	54.00	-12.86	average
7	17977.4962	35.91	18.69	54.60	74.00	-19.40	peak
		18.83	18.69	37.52	54.00	-16.48	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	MCH	Vertical	PASS

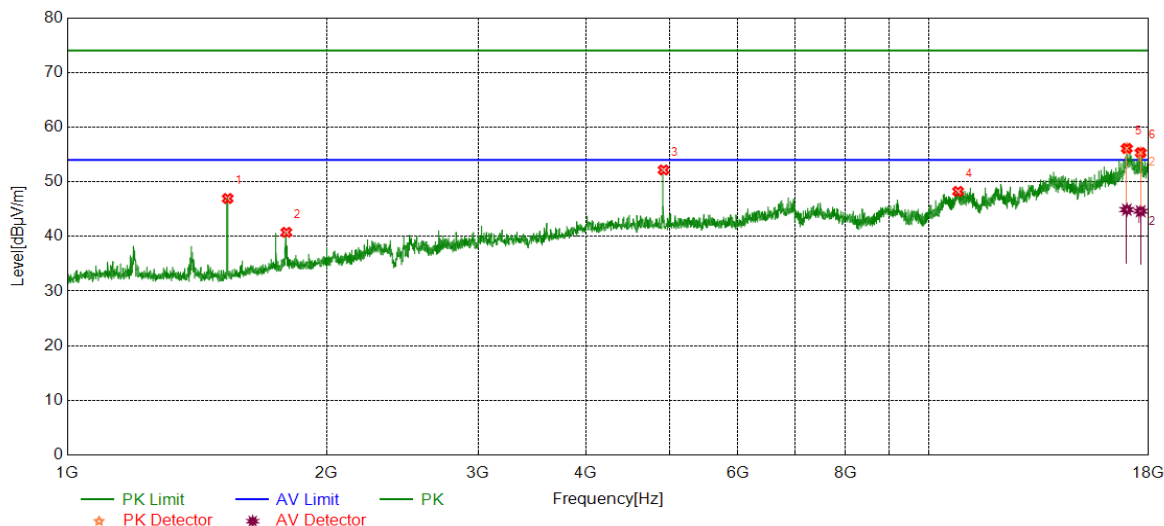


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	52.54	-5.69	46.85	74.00	-27.15	peak
2	2509.1697	42.91	-0.53	42.38	74.00	-31.62	peak
3	4872.8121	44.38	5.21	49.59	74.00	-24.41	peak
4	6948.1580	38.03	8.78	46.81	74.00	-27.19	peak
5	10803.8006	35.78	12.98	48.76	74.00	-25.24	peak
6	17057.3429	35.14	20.51	55.65	74.00	-18.35	peak
		20.05	20.51	40.56	54.00	-13.44	average
7	17629.9383	35.57	19.29	54.86	74.00	-19.14	peak
		21.84	19.29	41.13	54.00	-12.87	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS

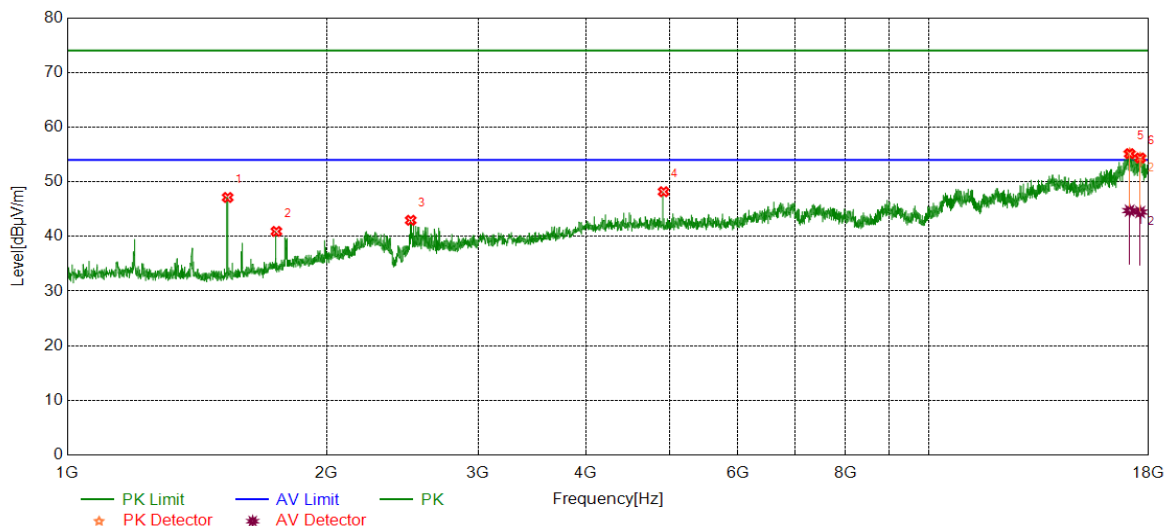


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	52.63	-5.69	46.94	74.00	-27.06	peak
2	1796.2654	44.67	-3.92	40.75	74.00	-33.25	peak
3	4922.8205	46.92	5.24	52.16	74.00	-21.84	peak
4	10816.3027	35.47	12.77	48.24	74.00	-25.76	peak
5	16979.8300	35.45	20.65	56.10	74.00	-17.90	peak
		24.25	20.65	44.90	54.00	-9.10	average
6	17622.4371	36.51	18.82	55.33	74.00	-18.67	peak
		25.79	18.82	44.61	54.00	-9.39	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS

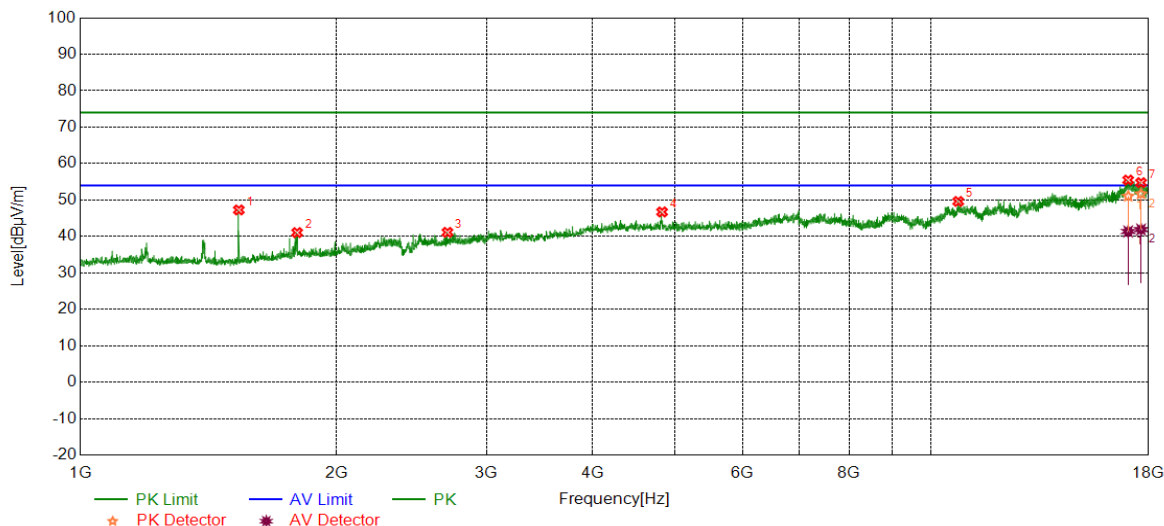


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	52.82	-5.69	47.13	74.00	-26.87	peak
2	1748.9163	45.35	-4.43	40.92	74.00	-33.08	peak
3	2504.5015	43.52	-0.57	42.95	74.00	-31.05	peak
4	4922.8205	42.94	5.24	48.18	74.00	-25.82	peak
5	17109.8516	35.61	19.53	55.14	74.00	-18.86	peak
		25.19	19.53	44.72	54.00	-9.28	average
6	17599.9333	34.87	19.49	54.36	74.00	-19.64	peak
		24.97	19.49	44.46	54.00	-9.54	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N20 MIMO	LCH	Horizontal	PASS

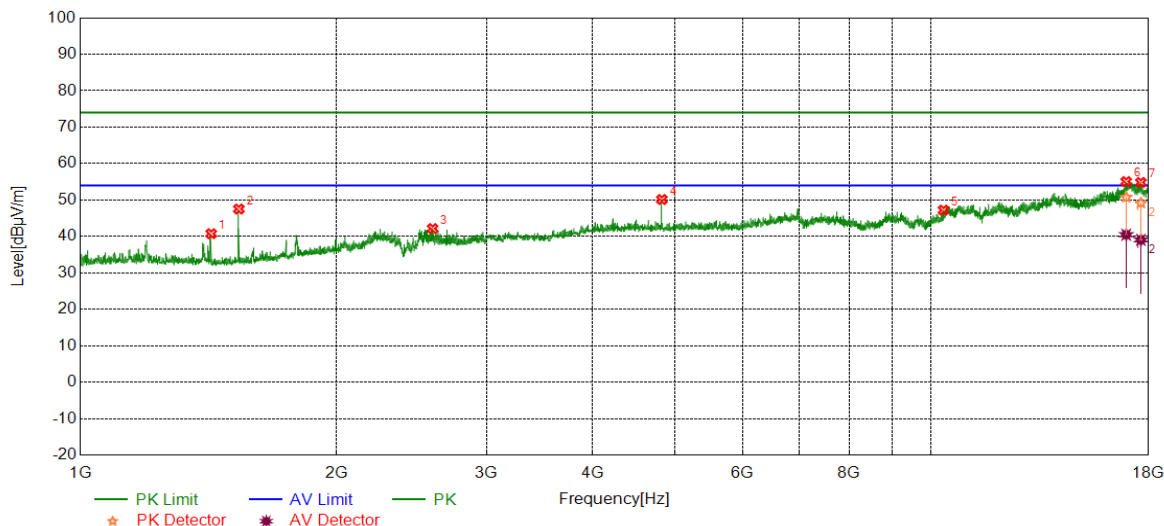


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	52.96	-5.69	47.27	74.00	-26.73	peak
2	1797.5992	44.95	-3.90	41.05	74.00	-32.95	peak
3	2699.9000	41.63	-0.50	41.13	74.00	-32.87	peak
4	4825.3042	41.79	4.93	46.72	74.00	-27.28	peak
5	10753.7923	36.80	12.81	49.61	74.00	-24.39	peak
6	17029.8383	35.25	20.22	55.47	74.00	-18.53	peak
		21.14	20.22	41.36	54.00	-12.64	average
7	17634.9392	35.40	19.36	54.76	74.00	-19.24	peak
		22.53	19.36	41.89	54.00	-12.11	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N20 MIMO	LCH	Vertical	PASS

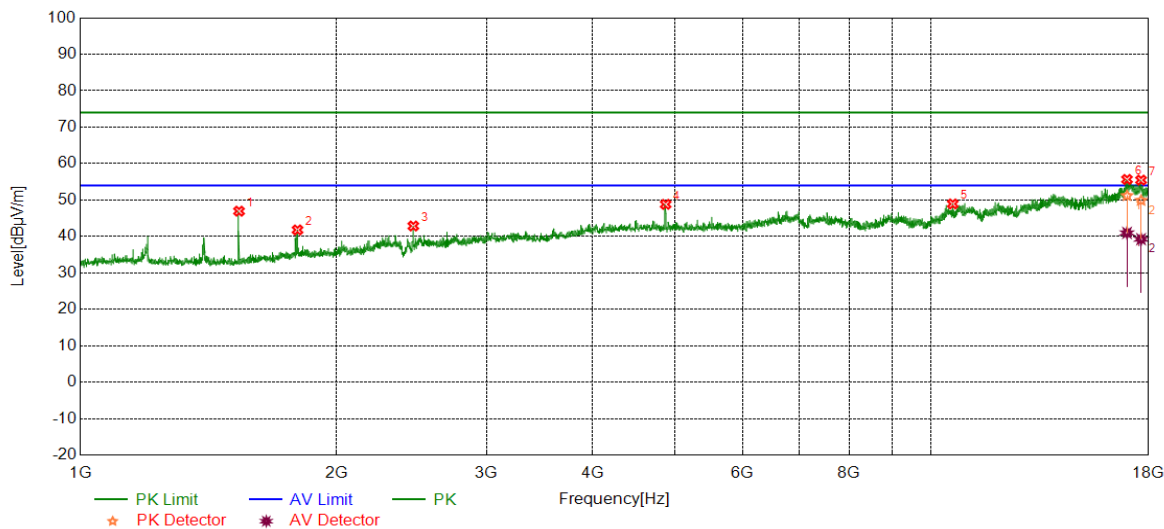


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1424.8083	46.44	-5.69	40.75	74.00	-33.25	peak
2	1535.5118	53.22	-5.69	47.53	74.00	-26.47	peak
3	2593.8646	42.97	-0.81	42.16	74.00	-31.84	peak
4	4822.8038	45.20	4.94	50.14	74.00	-23.86	peak
5	10333.7223	36.16	11.06	47.22	74.00	-26.78	peak
6	16939.8233	34.99	20.07	55.06	74.00	-18.94	peak
		20.40	20.07	40.47	54.00	-13.53	average
7	17627.4379	35.69	19.13	54.82	74.00	-19.18	peak
		19.93	19.13	39.06	54.00	-14.94	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N20 MIMO	MCH	Horizontal	PASS

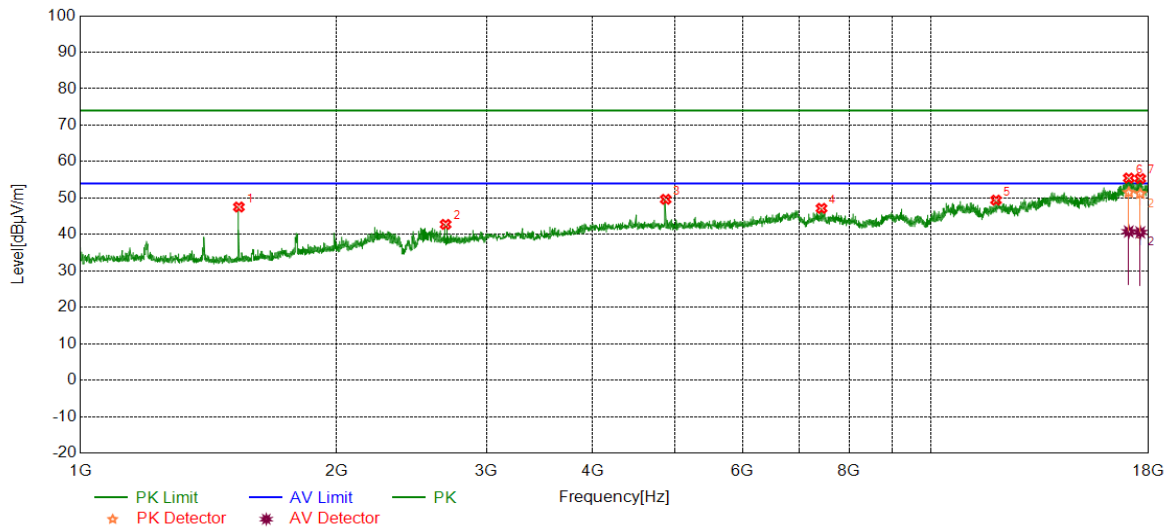


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1536.1787	52.61	-5.68	46.93	74.00	-27.07	peak
2	1799.5999	45.67	-3.88	41.79	74.00	-32.21	peak
3	2461.8206	43.75	-0.89	42.86	74.00	-31.14	peak
4	4872.8121	43.60	5.21	48.81	74.00	-25.19	peak
5	10596.2660	36.70	12.22	48.92	74.00	-25.08	peak
6	16977.3296	35.18	20.47	55.65	74.00	-18.35	peak
		20.50	20.47	40.97	54.00	-13.03	average
7	17634.9392	36.10	19.36	55.46	74.00	-18.54	peak
		19.89	19.36	39.25	54.00	-14.75	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N20 MIMO	MCH	Vertical	PASS

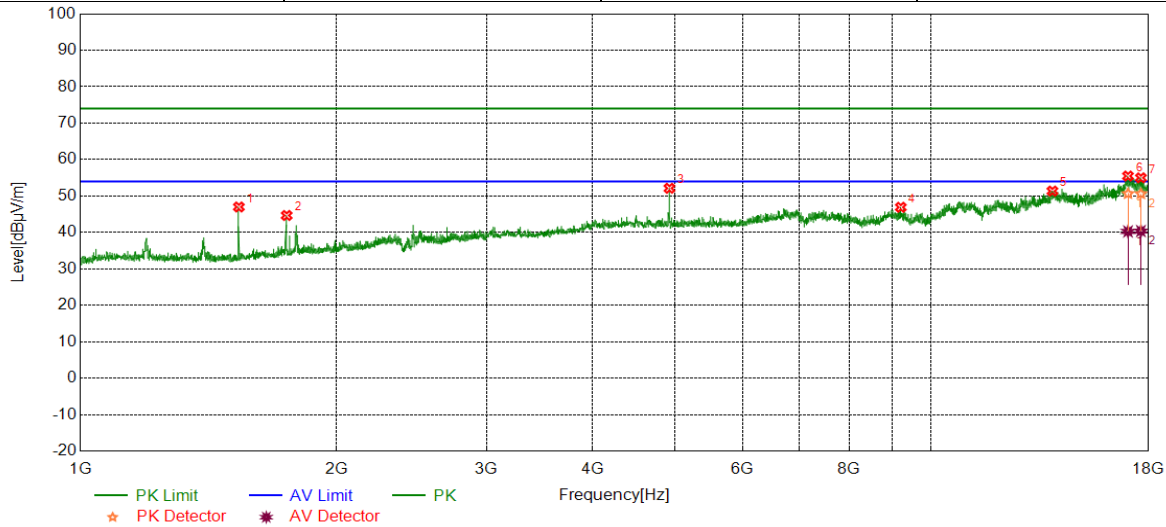


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	53.22	-5.69	47.53	74.00	-26.47	peak
2	2686.5622	43.41	-0.65	42.76	74.00	-31.24	peak
3	4872.8121	44.43	5.21	49.64	74.00	-24.36	peak
4	7428.2380	37.91	9.25	47.16	74.00	-26.84	peak
5	11911.4852	35.90	13.51	49.41	74.00	-24.59	peak
6	17057.3429	34.96	20.51	55.47	74.00	-18.53	peak
		20.27	20.51	40.78	54.00	-13.22	average
7	17597.4329	35.80	19.53	55.33	74.00	-18.67	peak
		21.04	19.53	40.57	54.00	-13.43	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N20 MIMO	HCH	Horizontal	PASS

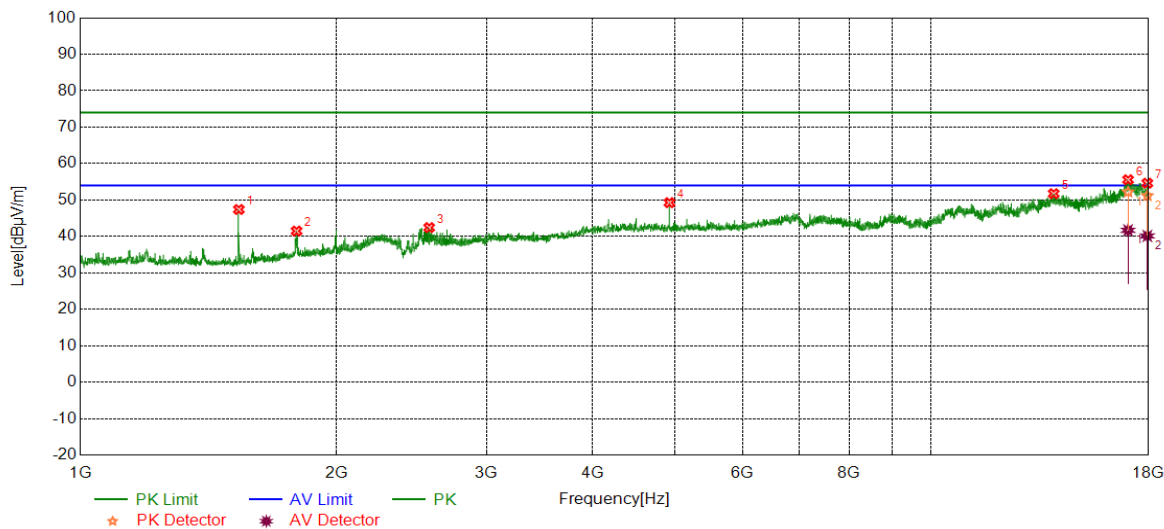


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	52.68	-5.69	46.99	74.00	-27.01	peak
2	1747.5825	49.08	-4.42	44.66	74.00	-29.34	peak
3	4922.8205	46.88	5.24	52.12	74.00	-21.88	peak
4	9206.0343	37.61	9.30	46.91	74.00	-27.09	peak
5	13874.3124	35.28	16.07	51.35	74.00	-22.65	peak
6	17022.3371	35.31	20.17	55.48	74.00	-18.52	peak
		20.10	20.17	40.27	54.00	-13.73	average
7	17627.4379	35.86	19.13	54.99	74.00	-19.01	peak
		21.25	19.13	40.38	54.00	-13.62	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N20 MIMO	HCH	Vertical	PASS

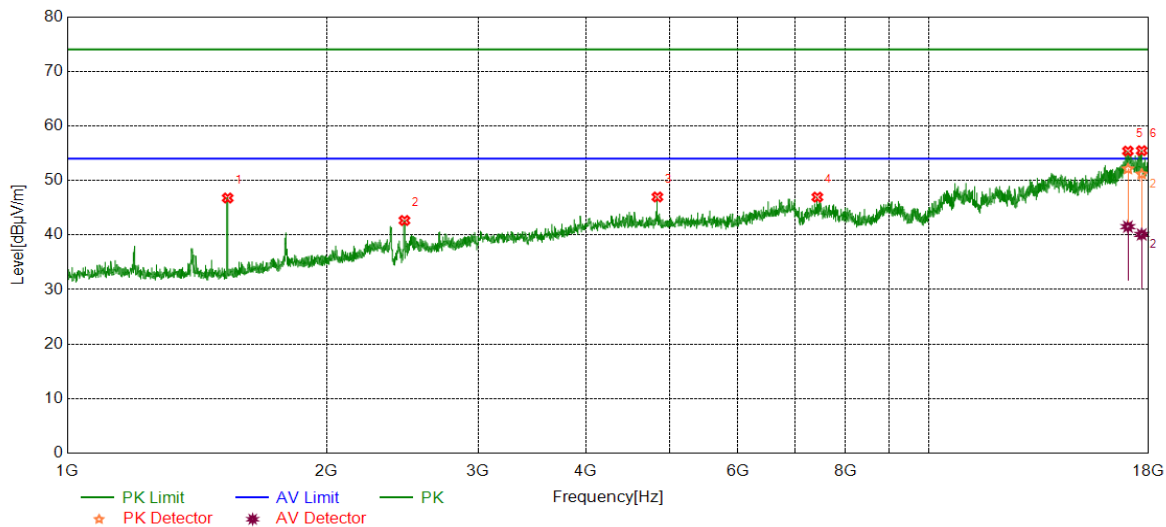


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	53.09	-5.69	47.40	74.00	-26.60	peak
2	1794.9316	45.41	-3.93	41.48	74.00	-32.52	peak
3	2569.8566	43.25	-0.82	42.43	74.00	-31.57	peak
4	4922.8205	44.03	5.24	49.27	74.00	-24.73	peak
5	13921.8203	35.67	16.07	51.74	74.00	-22.26	peak
6	17024.8375	35.37	20.19	55.56	74.00	-18.44	peak
		21.50	20.19	41.69	54.00	-12.31	average
7	17937.4896	35.60	19.01	54.61	74.00	-19.39	peak
		21.12	19.01	40.13	54.00	-13.87	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N40 MIMO	LCH	Horizontal	PASS

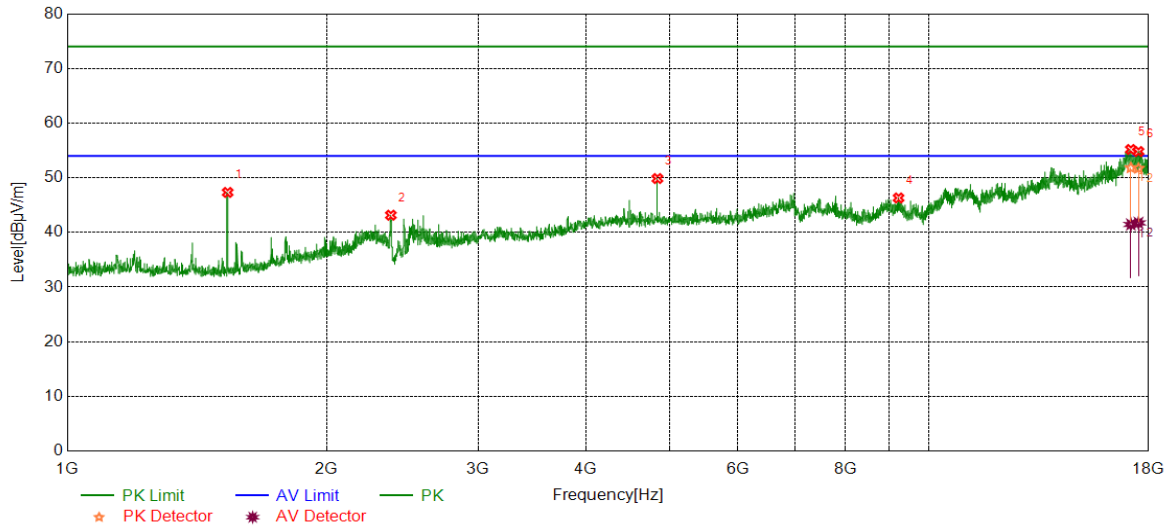


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	52.47	-5.69	46.78	74.00	-27.22	peak
2	2463.1544	43.54	-0.88	42.66	74.00	-31.34	peak
3	4842.8071	41.94	5.03	46.97	74.00	-27.03	peak
4	7425.7376	37.69	9.25	46.94	74.00	-27.06	peak
5	17029.8383	35.17	20.22	55.39	74.00	-18.61	peak
		21.31	20.22	41.53	54.00	-12.47	average
6	17669.9450	35.76	19.70	55.46	74.00	-18.54	peak
		20.40	19.70	40.10	54.00	-13.90	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N40 MIMO	LCH	Vertical	PASS

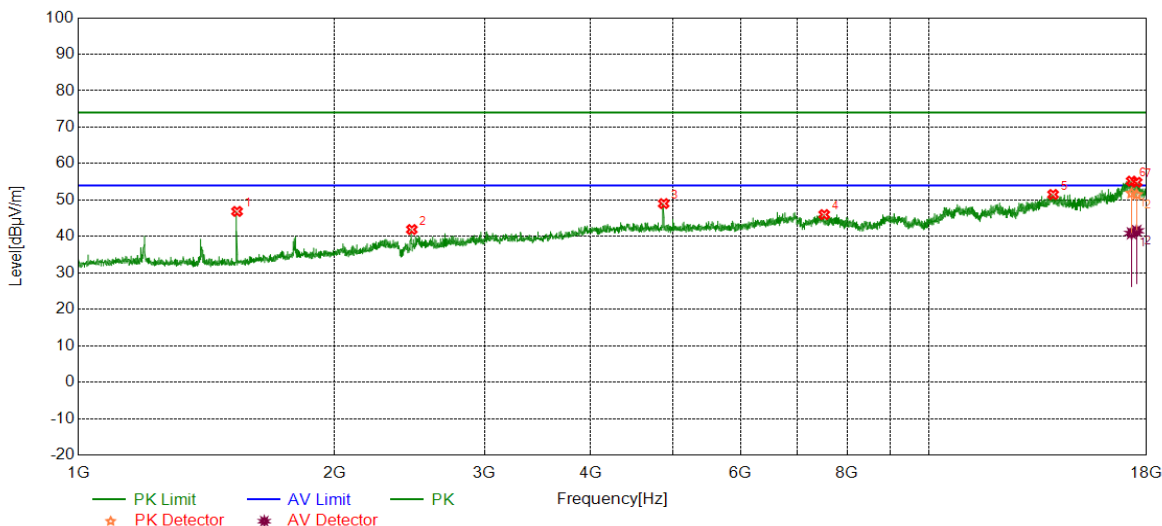


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	53.01	-5.69	47.32	74.00	-26.68	peak
2	2375.1250	44.68	-1.53	43.15	74.00	-30.85	peak
3	4842.8071	44.83	5.03	49.86	74.00	-24.14	peak
4	9226.0377	36.96	9.35	46.31	74.00	-27.69	peak
5	17164.8608	35.59	19.59	55.18	74.00	-18.82	peak
		21.87	19.59	41.46	54.00	-12.54	average
6	17519.9200	34.92	19.89	54.81	74.00	-19.19	peak
		21.86	19.89	41.75	54.00	-12.25	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N40 MIMO	MCH	Horizontal	PASS

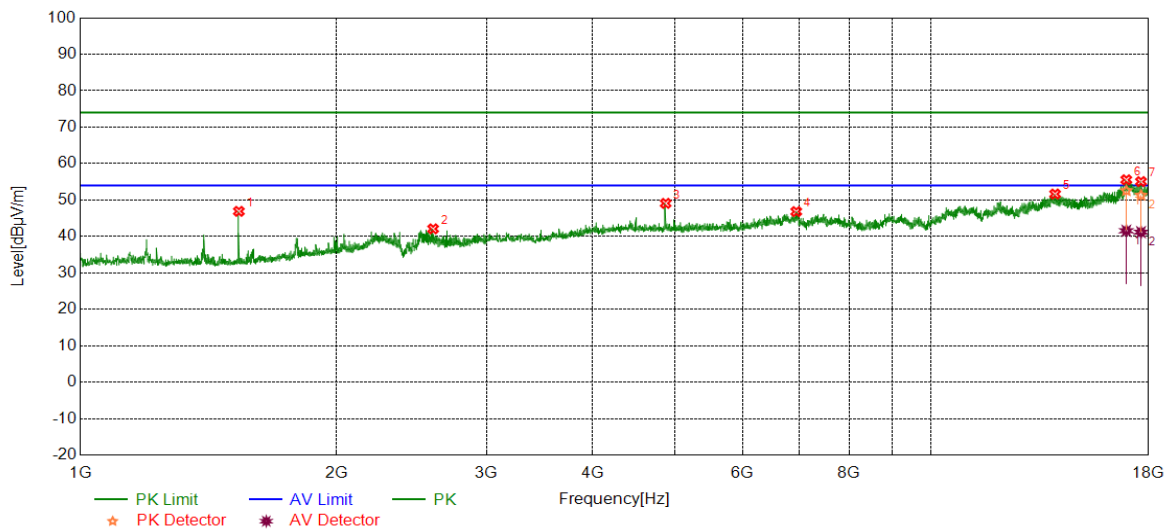


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1536.1787	52.55	-5.68	46.87	74.00	-27.13	peak
2	2465.1551	42.77	-0.87	41.90	74.00	-32.10	peak
3	4872.8121	43.80	5.21	49.01	74.00	-24.99	peak
4	7523.2539	36.80	9.20	46.00	74.00	-28.00	peak
5	13974.3291	35.32	16.20	51.52	74.00	-22.48	peak
6	17282.3804	36.53	18.66	55.19	74.00	-18.81	peak
		22.20	18.66	40.86	54.00	-13.14	average
7	17519.9200	34.97	19.89	54.86	74.00	-19.14	peak
		21.65	19.89	41.54	54.00	-12.46	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N40 MIMO	MCH	Vertical	PASS

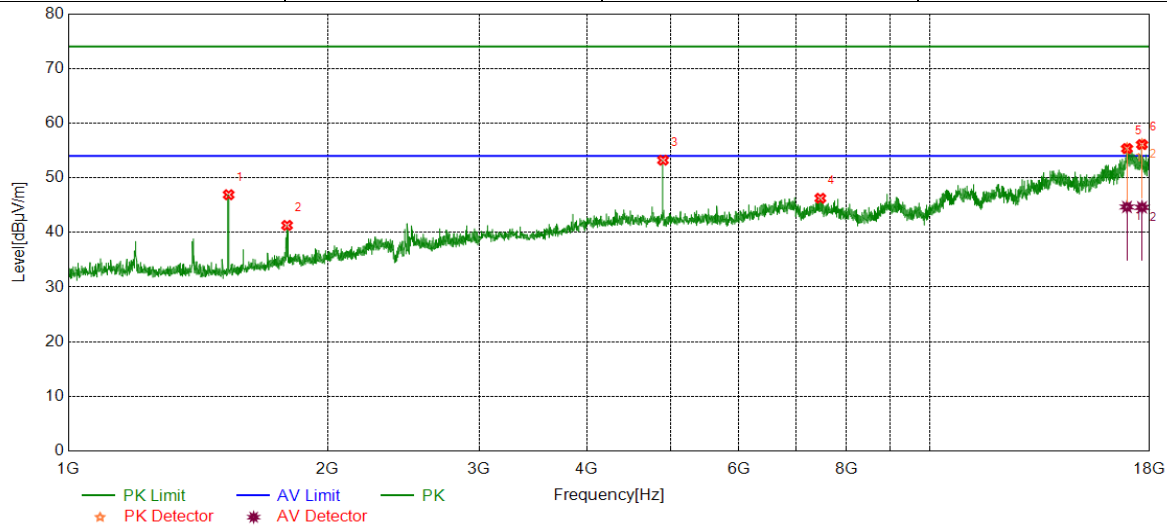


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	52.58	-5.69	46.89	74.00	-27.11	peak
2	2597.1991	42.81	-0.73	42.08	74.00	-31.92	peak
3	4872.8121	43.87	5.21	49.08	74.00	-24.92	peak
4	6938.1564	38.32	8.50	46.82	74.00	-27.18	peak
5	13974.3291	35.44	16.20	51.64	74.00	-22.36	peak
6	16944.8241	35.58	19.97	55.55	74.00	-18.45	peak
		21.59	19.97	41.56	54.00	-12.44	average
7	17632.4387	35.72	19.33	55.05	74.00	-18.95	peak
		21.84	19.33	41.17	54.00	-12.83	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N40 MIMO	HCH	Horizontal	PASS

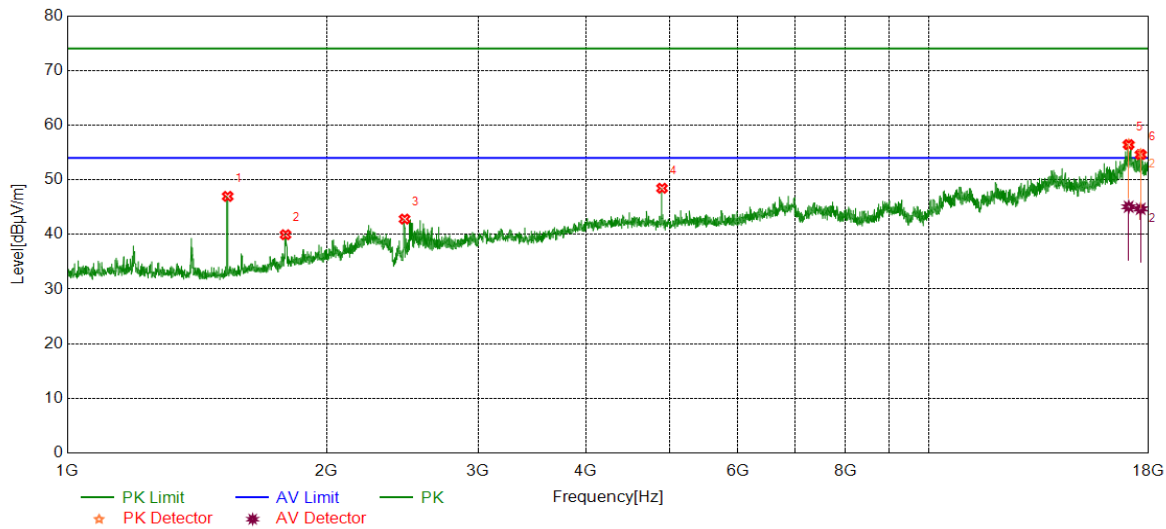


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	52.59	-5.69	46.90	74.00	-27.10	peak
2	1794.9316	45.22	-3.93	41.29	74.00	-32.71	peak
3	4902.8171	48.15	5.07	53.22	74.00	-20.78	peak
4	7465.7443	36.88	9.37	46.25	74.00	-27.75	peak
5	16942.3237	35.32	20.03	55.35	74.00	-18.65	peak
		24.63	20.03	44.66	54.00	-9.34	average
6	17637.4396	36.70	19.39	56.09	74.00	-17.91	peak
		25.20	19.39	44.59	54.00	-9.41	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N40 MIMO	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5118	52.65	-5.69	46.96	74.00	-27.04	peak
2	1792.2641	43.91	-3.96	39.95	74.00	-34.05	peak
3	2463.8213	43.68	-0.87	42.81	74.00	-31.19	peak
4	4902.8171	43.38	5.07	48.45	74.00	-25.55	peak
5	17064.8441	35.92	20.52	56.44	74.00	-17.56	peak
		24.54	20.52	45.06	54.00	-8.94	average
6	17622.4371	35.81	18.82	54.63	74.00	-19.37	peak
		25.86	18.82	44.68	54.00	-9.32	average

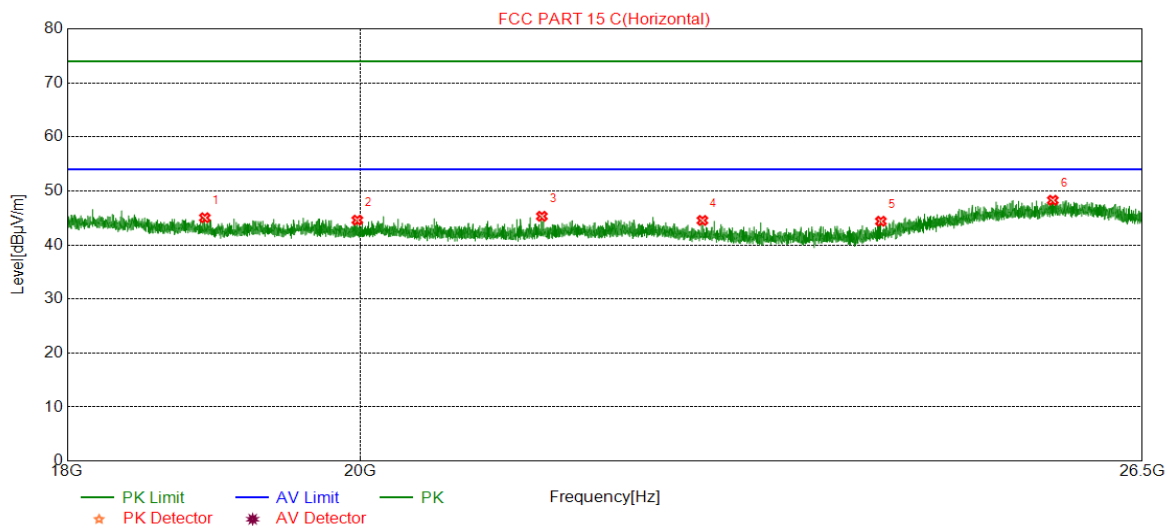
- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW=10 Hz.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Part II: 18GHz~26.5GHz

SPURIOUS EMISSIONS 18GHz TO 26.5GHz (WORST-CASE CONFIGURATION)

Test Mode	Channel	Polarization	Verdict
11N40 MIMO	HCH	Horizontal	PASS

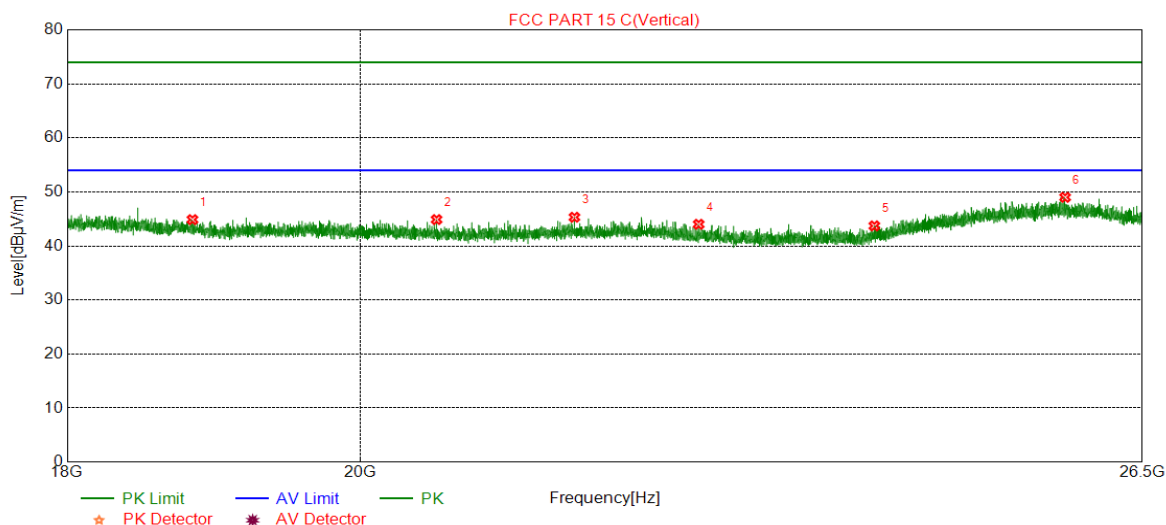


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	18913.8414	48.98	-3.95	45.03	74.00	-28.97	peak
2	19980.6981	47.69	-3.10	44.59	74.00	-29.41	peak
3	21352.7353	48.65	-3.35	45.30	74.00	-28.70	peak
4	22622.7623	48.14	-3.61	44.53	74.00	-29.47	peak
5	24123.1623	47.72	-3.34	44.38	74.00	-29.62	peak
6	25662.6663	47.84	0.43	48.27	74.00	-25.73	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.
3. Measurement = Reading Level + Correct Factor.



Test Mode	Channel	Polarization	Verdict
11N40 MIMO	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	18829.6830	48.71	-3.84	44.87	74.00	-29.13	peak
2	20558.7559	48.18	-3.30	44.88	74.00	-29.12	peak
3	21604.3604	48.53	-3.22	45.31	74.00	-28.69	peak
4	22592.1592	47.58	-3.57	44.01	74.00	-29.99	peak
5	24066.2066	47.23	-3.52	43.71	74.00	-30.29	peak
6	25776.5777	48.38	0.61	48.99	74.00	-25.01	peak

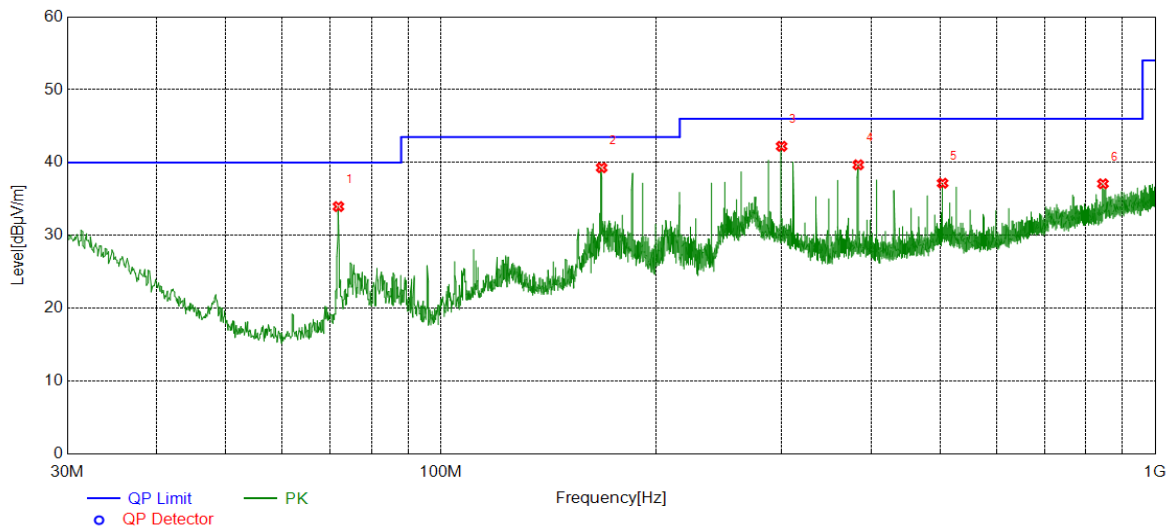
Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. Measurement = Reading Level + Correct Factor.



Part III: 30MHz~1GHz

SPURIOUS EMISSIONS 30M TO 1GHz (WORST-CASE CONFIGURATION)

Test Mode	Channel	Polarization	Verdict
11N40 MIMO	HCH	Horizontal	PASS

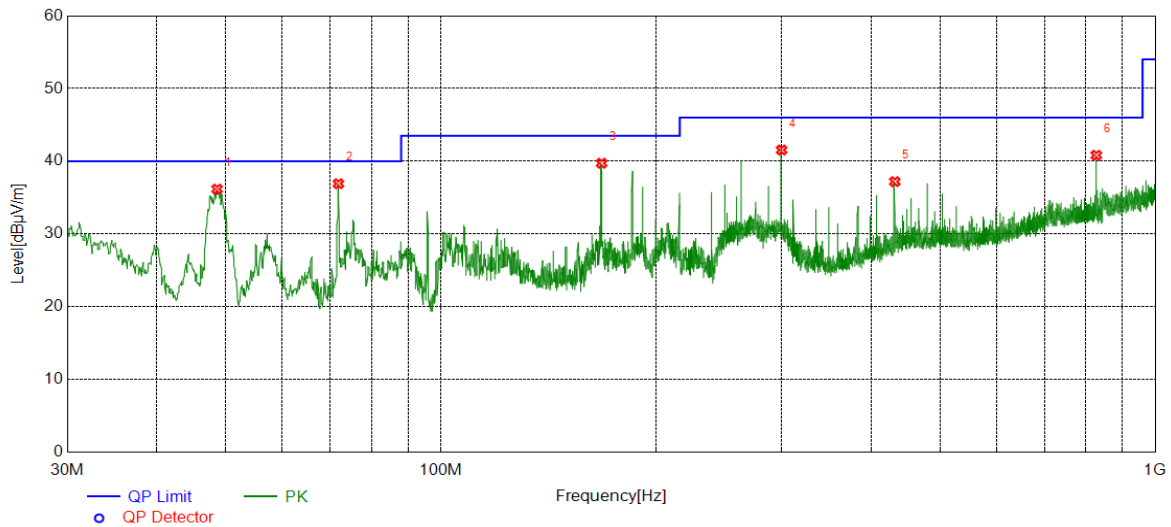


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	71.9082	19.29	14.67	33.96	40.00	-6.04	peak
2	167.9478	20.93	18.36	39.29	43.50	-4.21	peak
3	299.9780	21.81	20.42	42.23	46.00	-3.77	peak
4	383.9884	17.19	22.50	39.69	46.00	-6.31	peak
5	503.9894	11.41	25.76	37.17	46.00	-8.83	peak
6	844.9785	6.73	30.36	37.09	46.00	-8.91	peak

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.
3. Measurement = Reading Level + Correct Factor.



Test Mode	Channel	Polarization	Verdict
11N40 MIMO	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	48.6259	20.78	15.40	36.18	40.00	-3.82	peak
2	71.9082	22.25	14.67	36.92	40.00	-3.08	peak
3	167.9478	21.37	18.36	39.73	43.50	-3.77	peak
4	299.9780	21.13	20.42	41.55	46.00	-4.45	peak
5	432.0082	13.41	23.79	37.20	46.00	-8.80	peak
6	827.1287	10.69	30.14	40.83	46.00	-5.17	peak

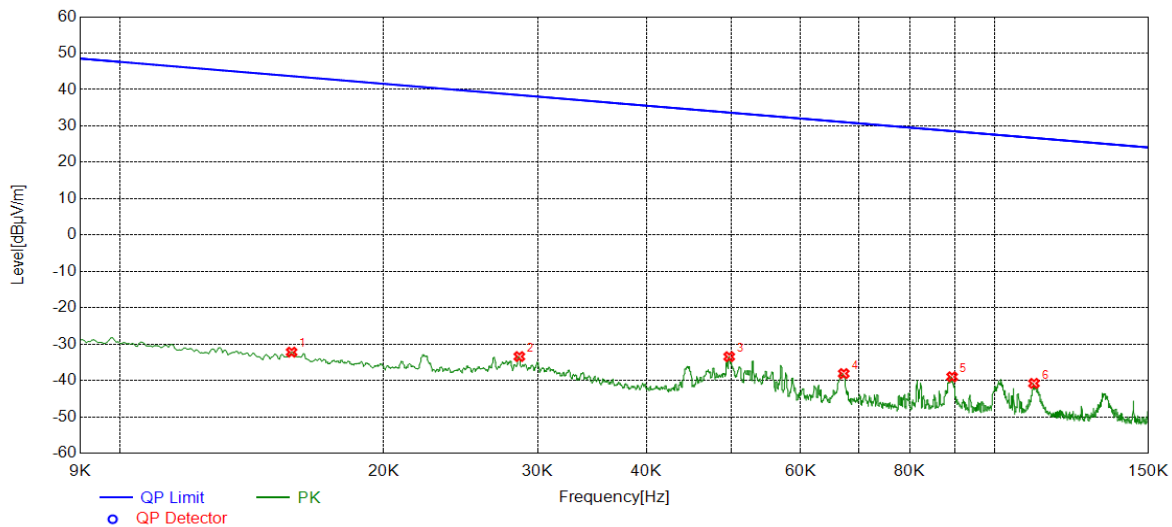
Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.
3. Measurement = Reading Level + Correct Factor.



Part IV: 9KHz~30MHz

SPURIOUS EMISSIONS Below 30MHz (WORST CASE CONFIGURATION-FACE ON)

Test Mode	Channel	Frequency Range	Verdict
11N40 MIMO	HCH	9KHz~150KHz	PASS

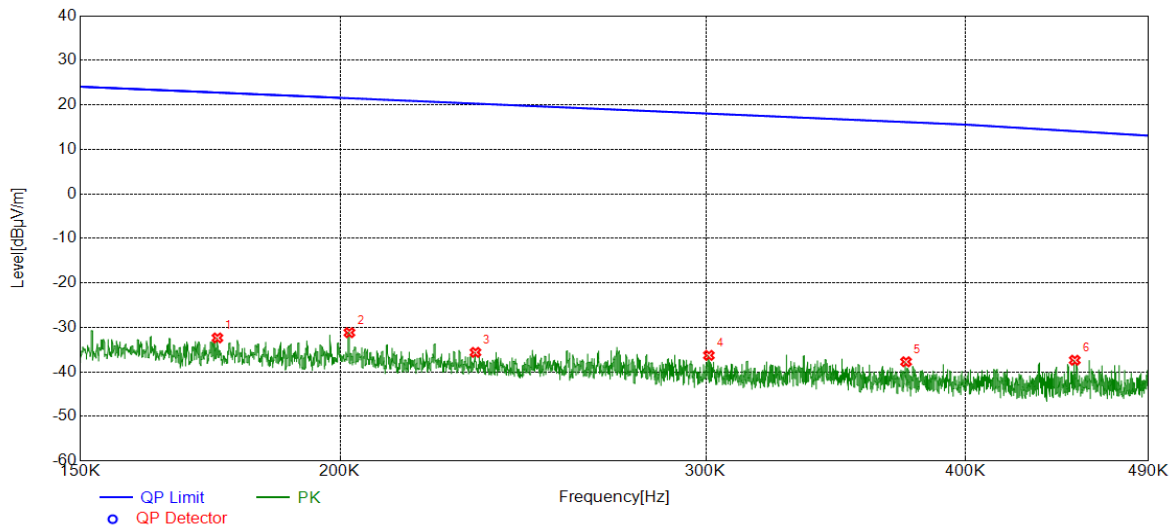


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0157	28.88	-61.09	-32.21	43.67	75.88	peak
2	0.0286	27.59	-61.02	-33.43	38.49	71.92	peak
3	0.0497	27.70	-61.16	-33.46	33.67	67.13	peak
4	0.0672	23.32	-61.43	-38.11	31.06	69.17	peak
5	0.0894	22.16	-61.15	-38.99	28.58	67.57	peak
6	0.1109	20.18	-60.98	-40.80	26.71	67.51	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
2. Result 300m= Result 3m-80 dBuV/m
3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report



Test Mode	Channel	Frequency Range	Verdict
11N40 MIMO	HCH	150KHz~490Hz	PASS

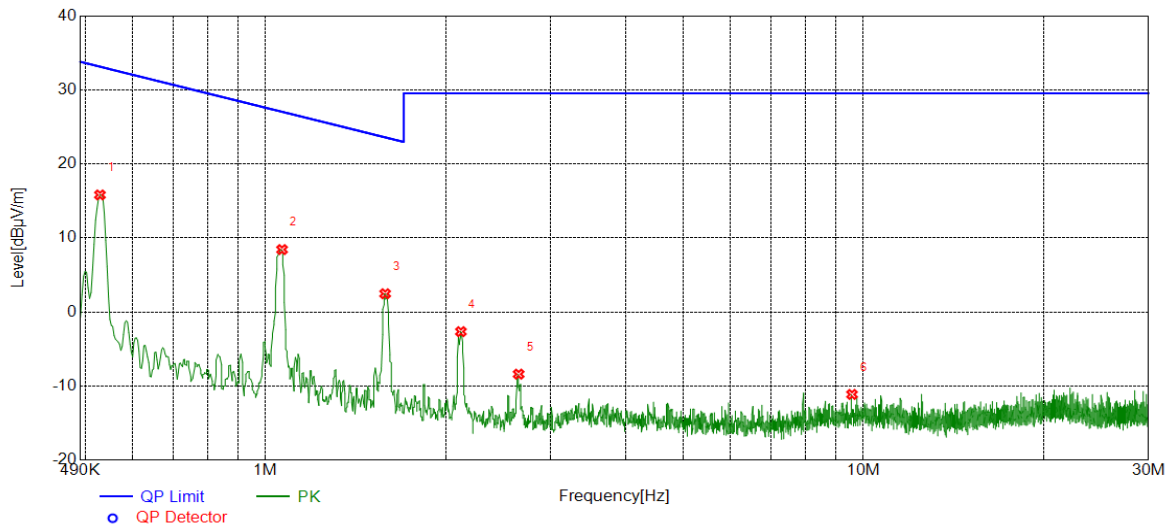


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1746	28.97	-61.33	-32.36	22.77	55.13	peak
2	0.2021	30.01	-61.19	-31.18	21.49	52.67	peak
3	0.2324	25.42	-61.03	-35.61	20.28	55.89	peak
4	0.3010	24.62	-60.90	-36.28	18.03	54.31	peak
5	0.3745	23.11	-60.83	-37.72	16.13	53.85	peak
6	0.4515	23.40	-60.77	-37.37	14.08	51.45	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
2. Result 300m= Result 3m-80 dBuV/m
3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report



Test Mode	Channel	Frequency Range	Verdict
11N40 MIMO	HCH	490KHz~30MHz	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.5284	36.54	-20.73	15.81	33.14	17.33	peak
2	1.0655	28.91	-20.48	8.43	27.05	18.62	peak
3	1.5849	22.87	-20.40	2.47	23.60	21.13	peak
4	2.1221	17.71	-20.36	-2.65	29.54	32.19	peak
5	2.6503	12.11	-20.50	-8.39	29.54	37.93	peak
6	9.5711	7.97	-19.10	-11.13	29.54	40.67	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
2. Result 30m= Result 3m-40 dBuV/m
3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report

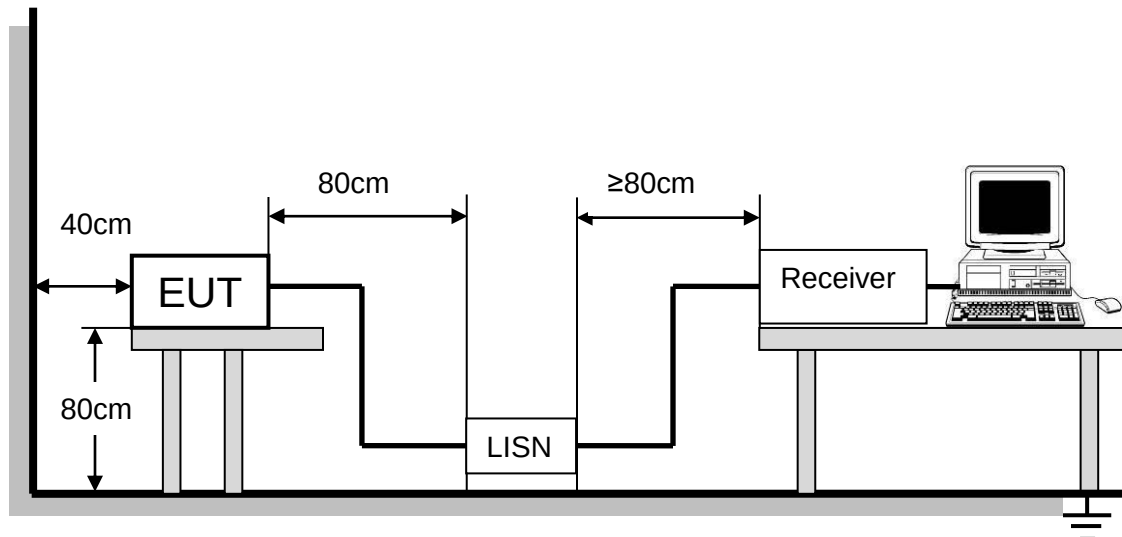
8. AC POWER LINE CONDUCTED EMISSIONS

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

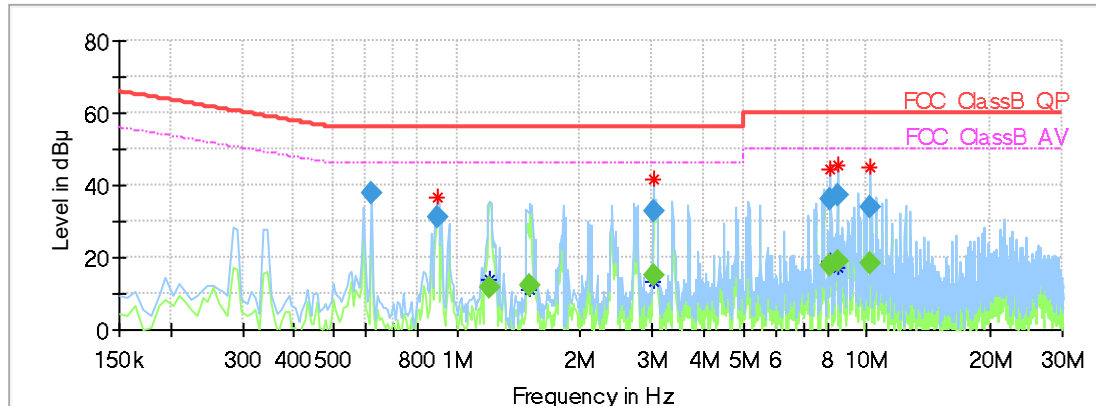


The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) 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.

TEST RESULTS (WORST CASE CONFIGURATION)

For L Line:



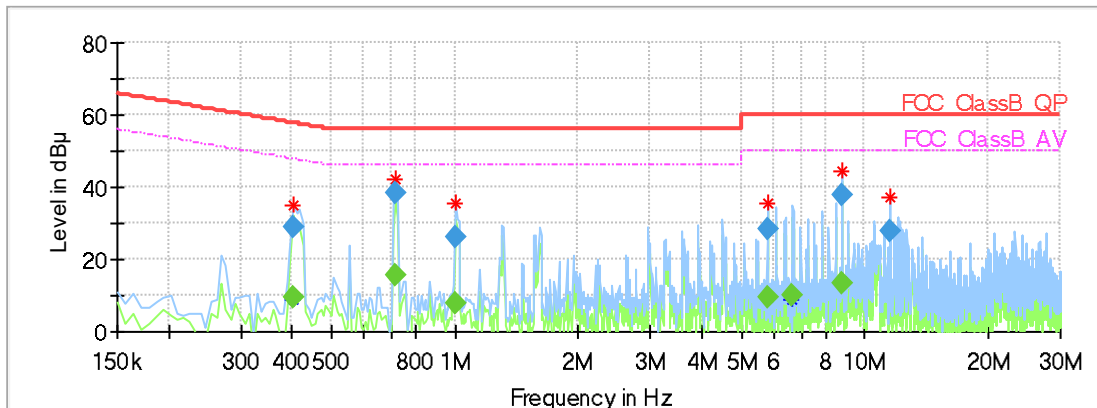
Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.620138	37.57	---	56.00	18.43	1000.0	9.000	L1	OFF	9.6
0.896250	30.84	---	56.00	25.16	1000.0	9.000	L1	OFF	9.6
1.202213	---	11.72	46.00	34.28	1000.0	9.000	L1	OFF	9.6
1.508175	---	12.24	46.00	33.76	1000.0	9.000	L1	OFF	9.6
3.015600	---	14.95	46.00	31.05	1000.0	9.000	L1	OFF	9.7
3.015600	32.88	---	56.00	23.12	1000.0	9.000	L1	OFF	9.7
8.164725	35.91	---	60.00	24.09	1000.0	9.000	L1	OFF	9.9
8.164725	---	17.90	50.00	32.10	1000.0	9.000	L1	OFF	9.9
8.470688	37.21	---	60.00	22.79	1000.0	9.000	L1	OFF	9.9
8.470688	---	18.68	50.00	31.32	1000.0	9.000	L1	OFF	9.9
10.194525	---	18.26	50.00	31.74	1000.0	9.000	L1	OFF	10.0
10.194525	33.91	---	60.00	26.09	1000.0	9.000	L1	OFF	10.0

- 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.
 4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
 5. Pre-testing all test modes and channels, and find the HCH of 11N40 MOMO which is the worst case, so only the worst case is include in this test report.



For N Line:



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.403725	---	9.48	47.78	38.30	1000.0	9.000	N	OFF	9.6
0.403725	29.13	---	57.78	28.65	1000.0	9.000	N	OFF	9.6
0.717150	---	15.50	46.00	30.50	1000.0	9.000	N	OFF	9.6
0.717150	38.52	---	56.00	17.48	1000.0	9.000	N	OFF	9.6
1.008188	---	7.61	46.00	38.39	1000.0	9.000	N	OFF	9.6
1.008188	25.90	---	56.00	30.10	1000.0	9.000	N	OFF	9.6
5.791650	28.53	---	60.00	31.47	1000.0	9.000	N	OFF	9.8
5.791650	---	9.44	50.00	40.56	1000.0	9.000	N	OFF	9.8
6.679688	---	9.84	50.00	40.16	1000.0	9.000	N	OFF	9.8
8.776650	37.64	---	60.00	22.36	1000.0	9.000	N	OFF	9.9
8.776650	---	13.35	50.00	36.65	1000.0	9.000	N	OFF	9.9
11.530313	27.98	---	60.00	32.02	1000.0	9.000	N	OFF	10.0

- 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.
4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
5. Pre-testing all test modes and channels, and find the HCH of 11N40 MOMO which is the worst case, so only the worst case is include in this test report.



9. 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 a EUT with two PCB Antennas.

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi, but the Directional gain = $10\log [(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 7.54 > 6\text{dBi}$, where the N_{ANT} is the numbers of antenna. So the power and power density limit shall be reduced amount in dB that the directional gain of the antenna exceeds 6dBi.

END OF REPORT