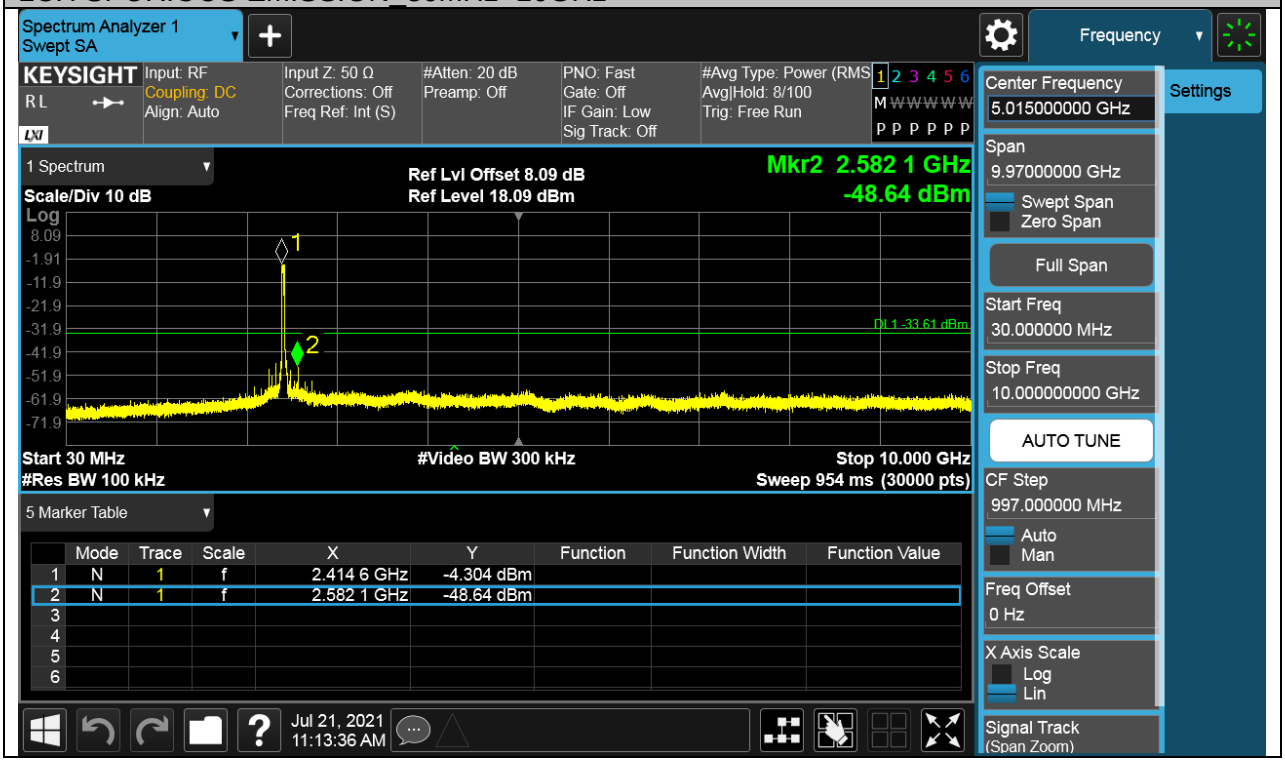
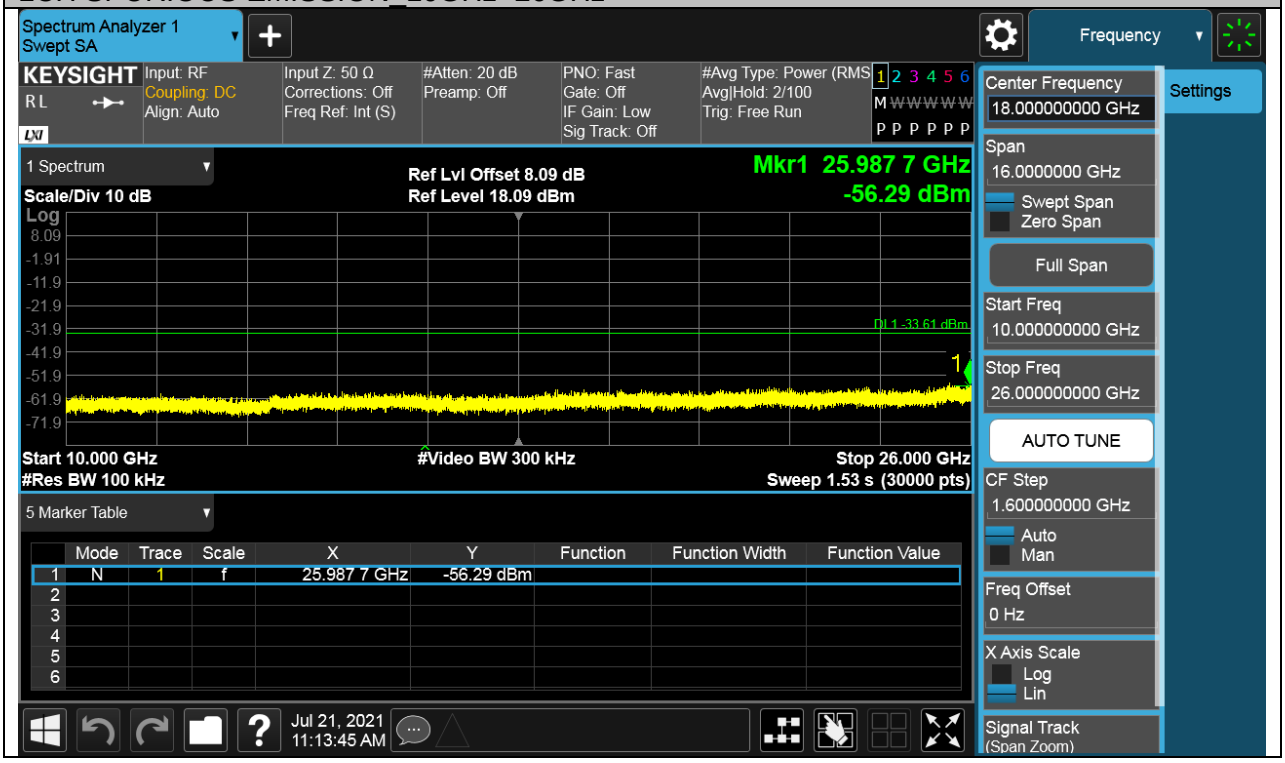
Puw test Plot

LCH SPURIOUS EMISSION_30MHz~10GHz



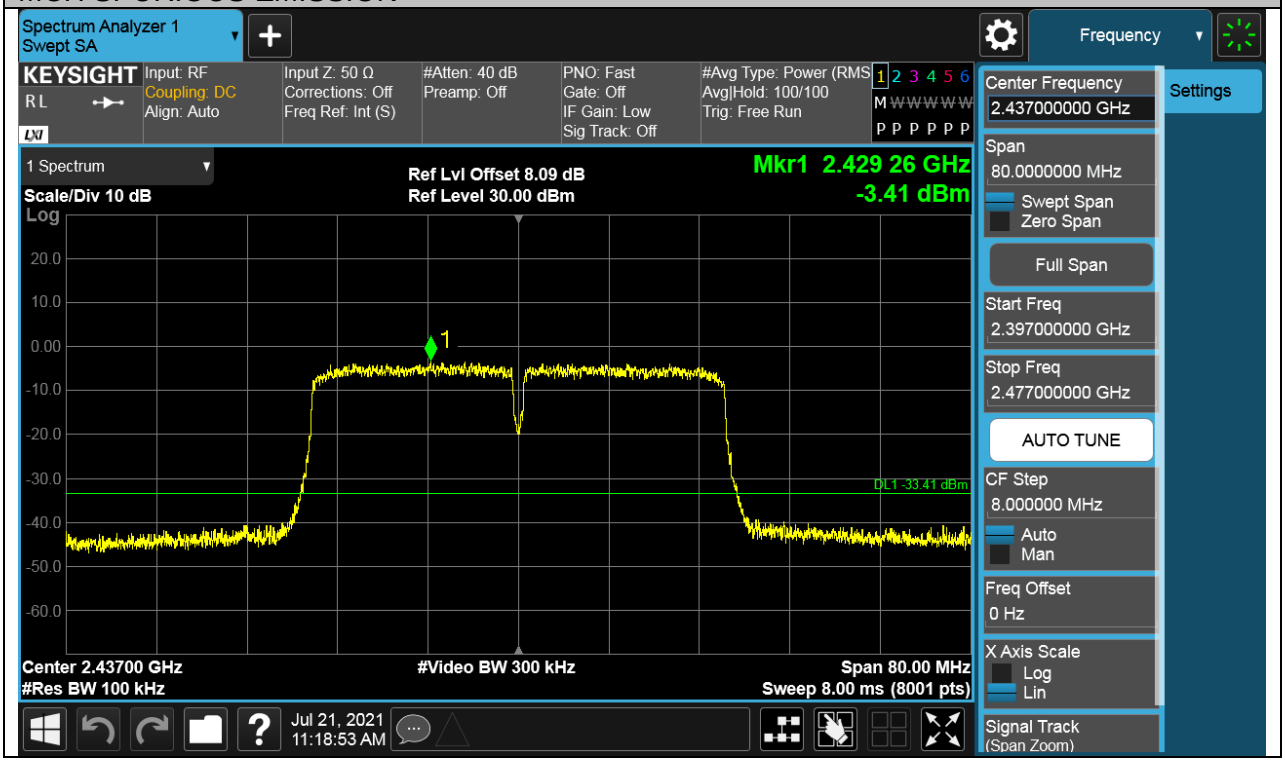
LCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11N HT40	MCH	PASS

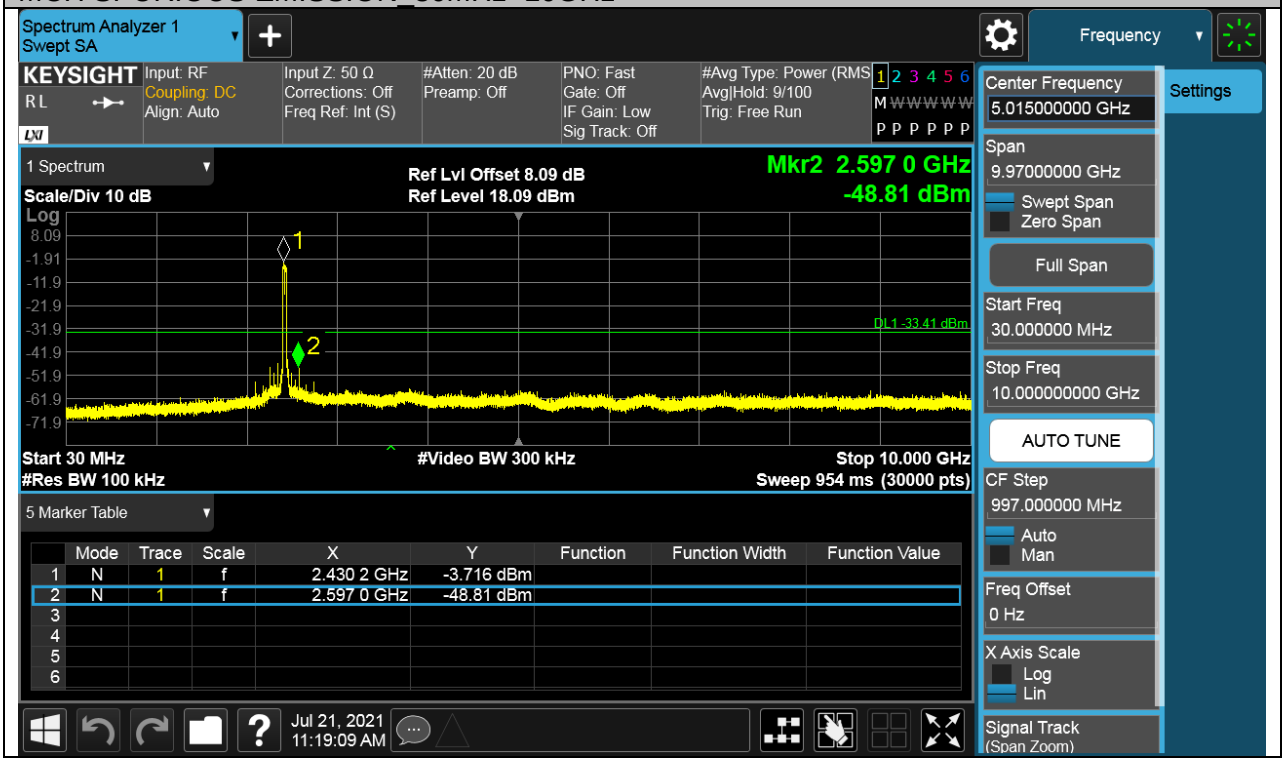
Pref test Plot

MCH SPURIOUS EMISSION

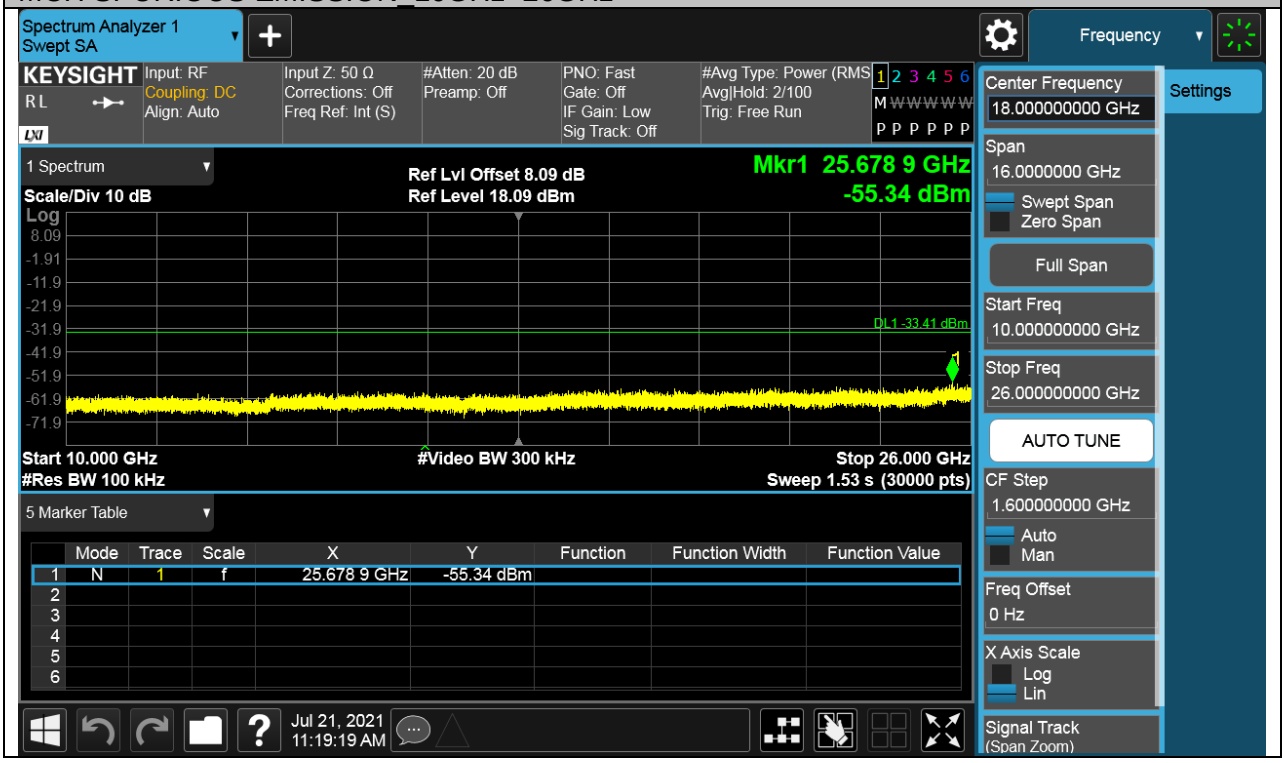


Puw test Plot

MCH SPURIOUS EMISSION_30MHz~10GHz



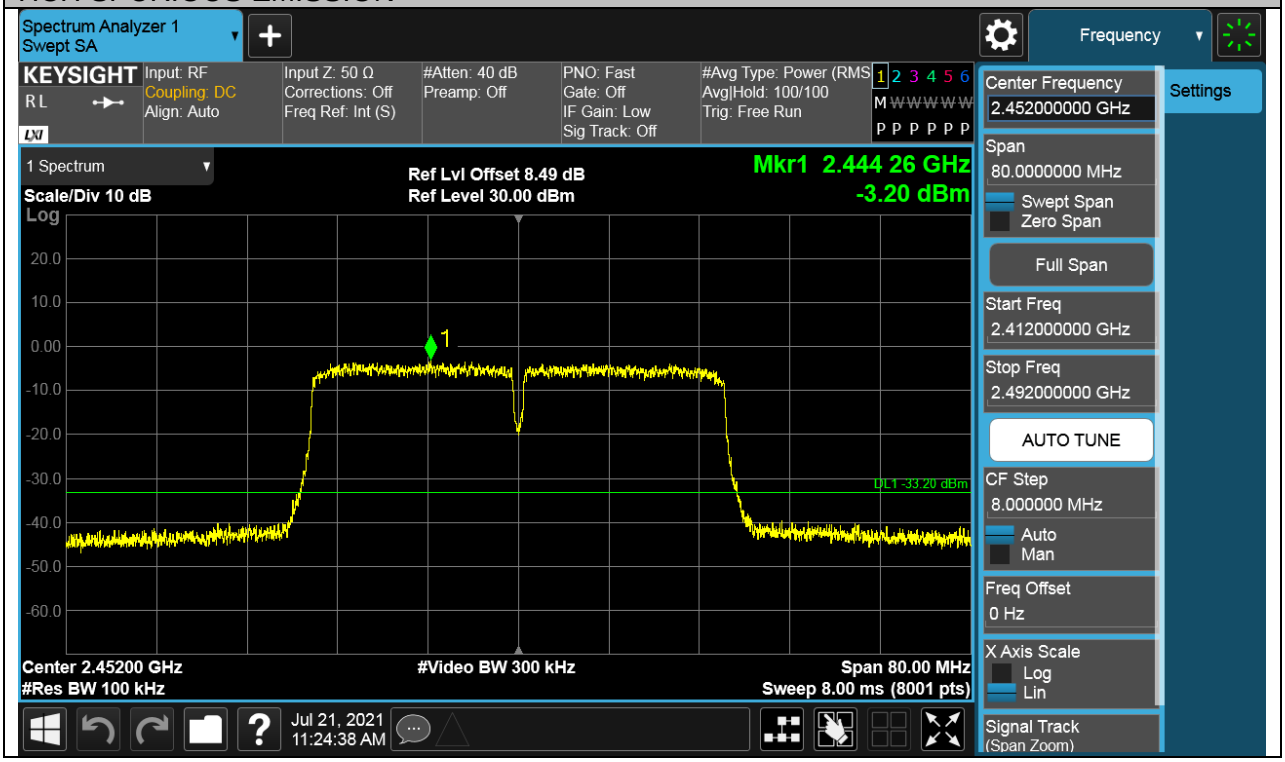
MCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11N HT40	HCH	PASS

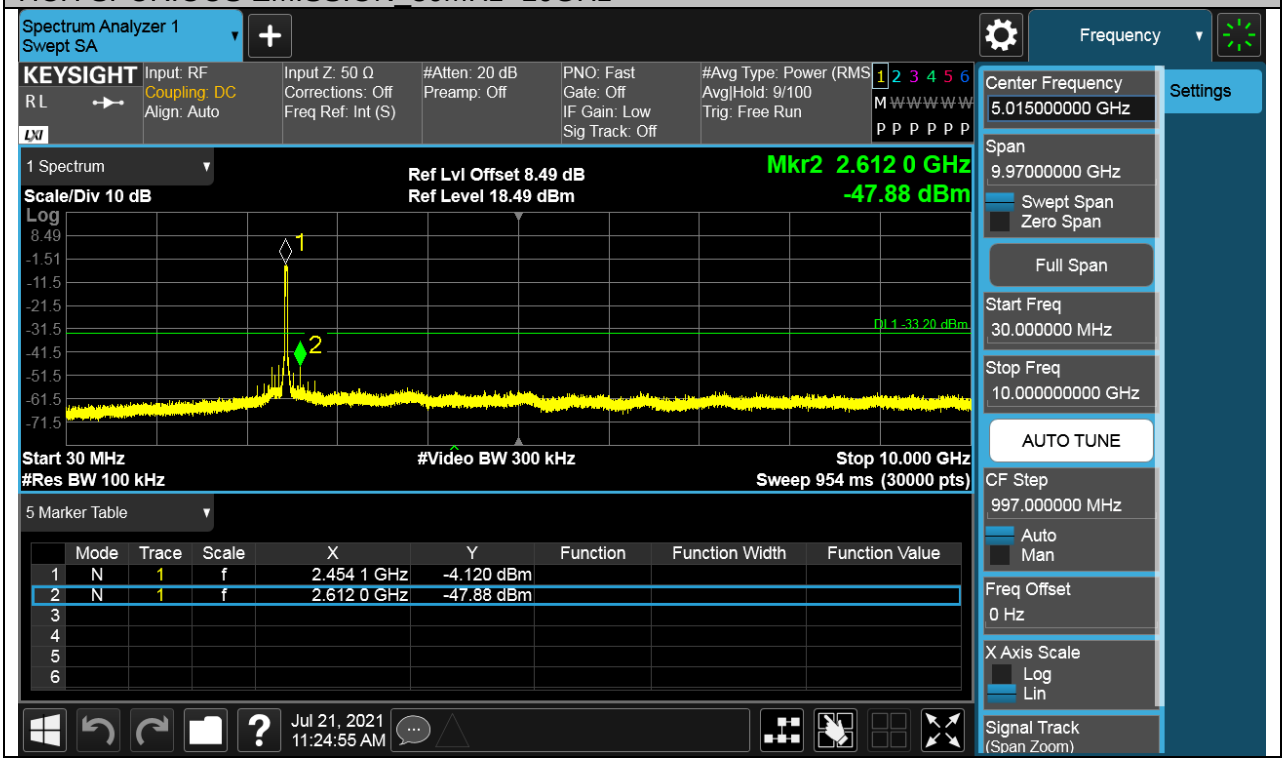
Pref test Plot

HCH SPURIOUS EMISSION

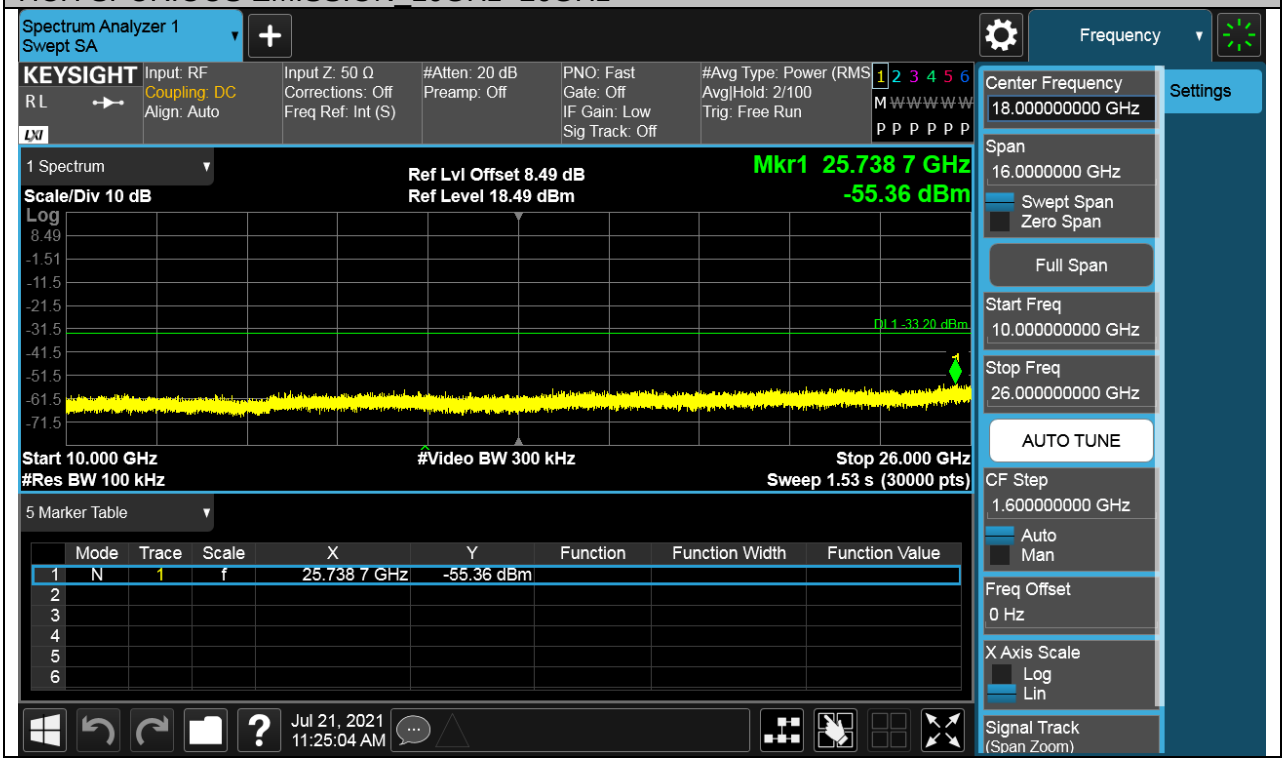


Puw test Plot

HCH SPURIOUS EMISSION_30MHz~10GHz



HCH SPURIOUS EMISSION_10GHz~26GHz

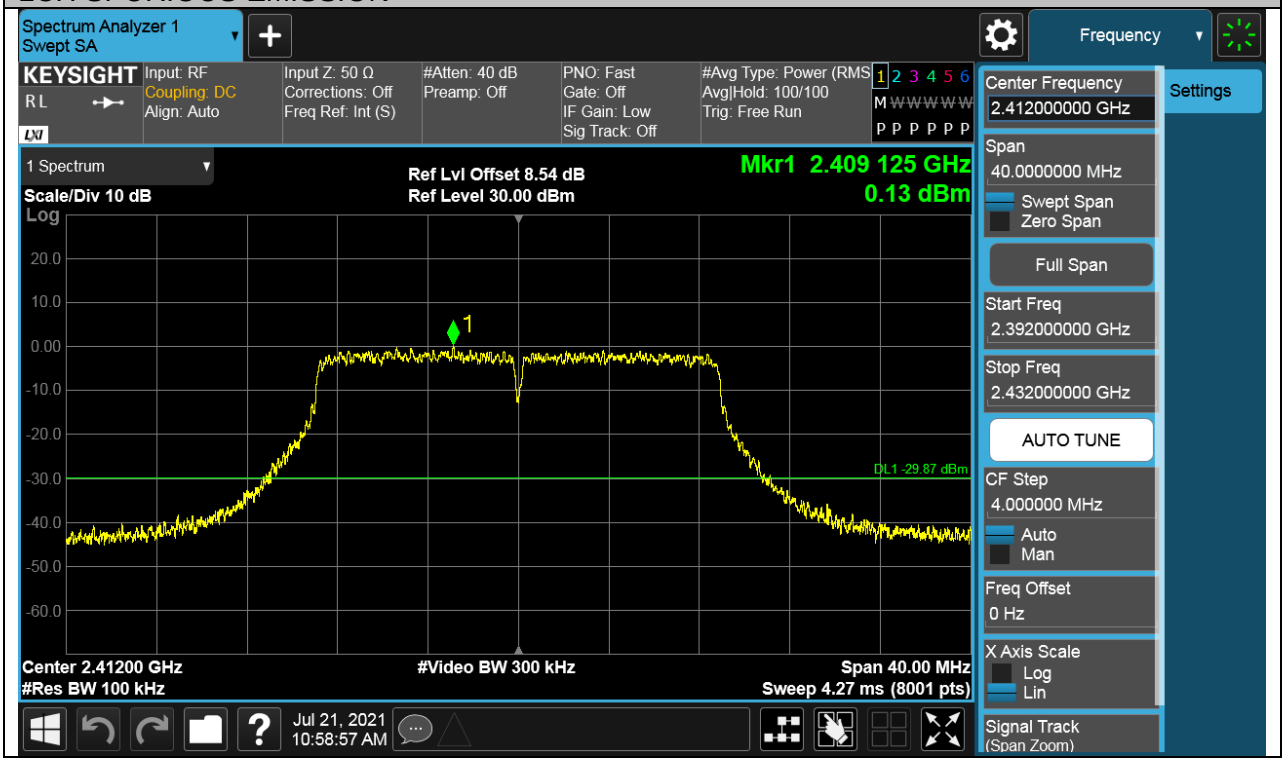


For Antenna 2 Part

Test Mode	Channel	Verdict
11N HT20	LCH	PASS

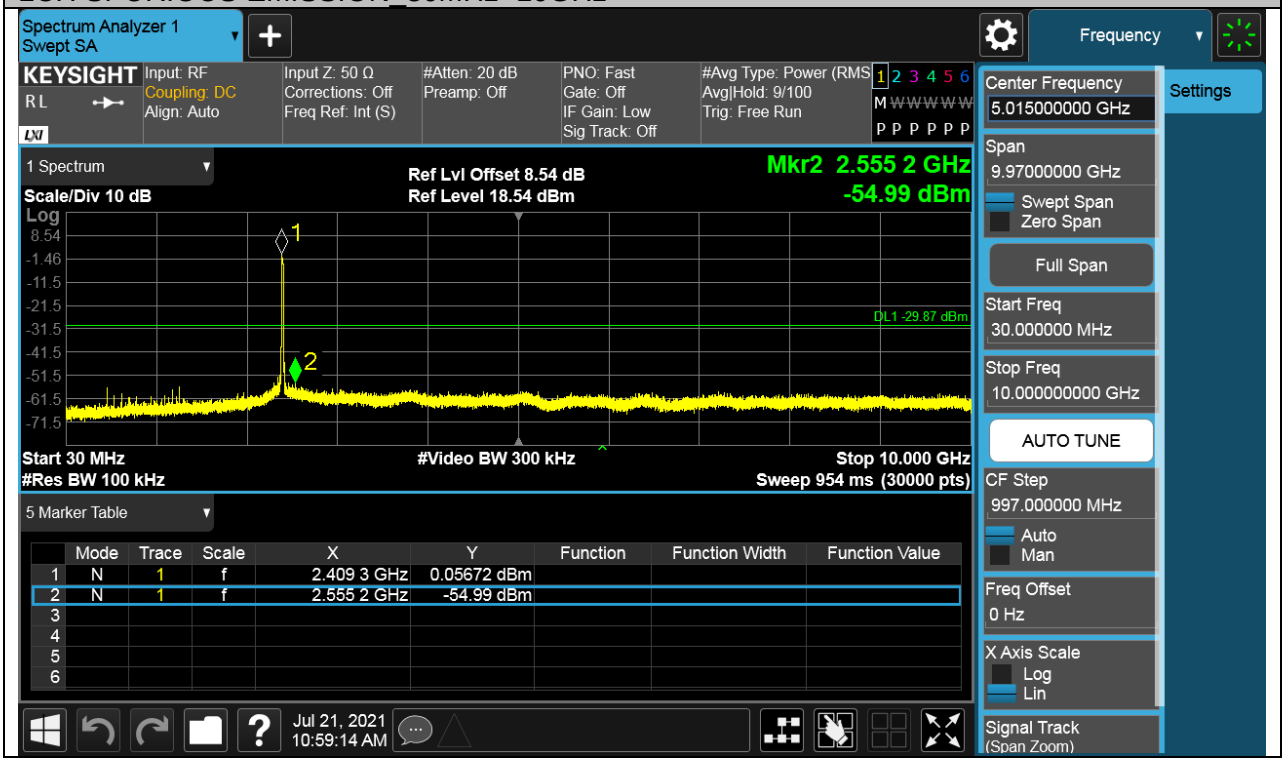
Pref test Plot

LCH SPURIOUS EMISSION

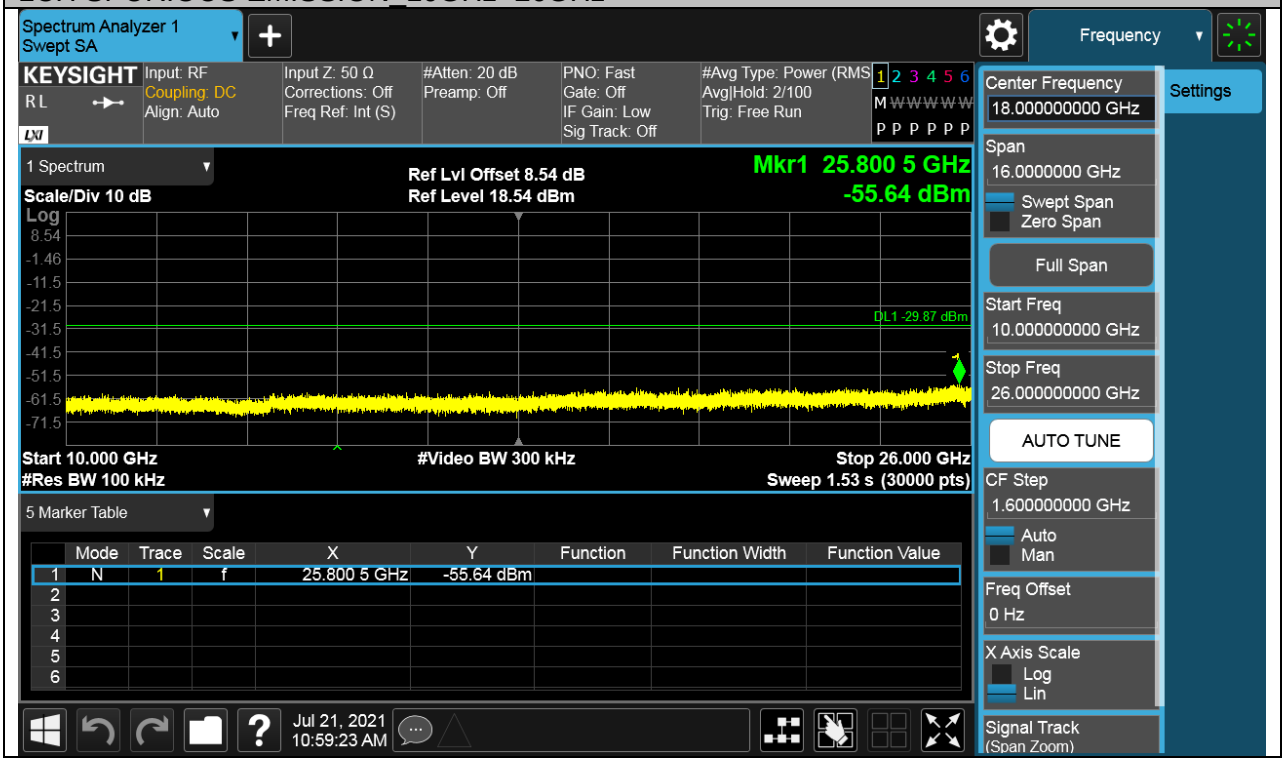


Puw test Plot

LCH SPURIOUS EMISSION_30MHz~10GHz



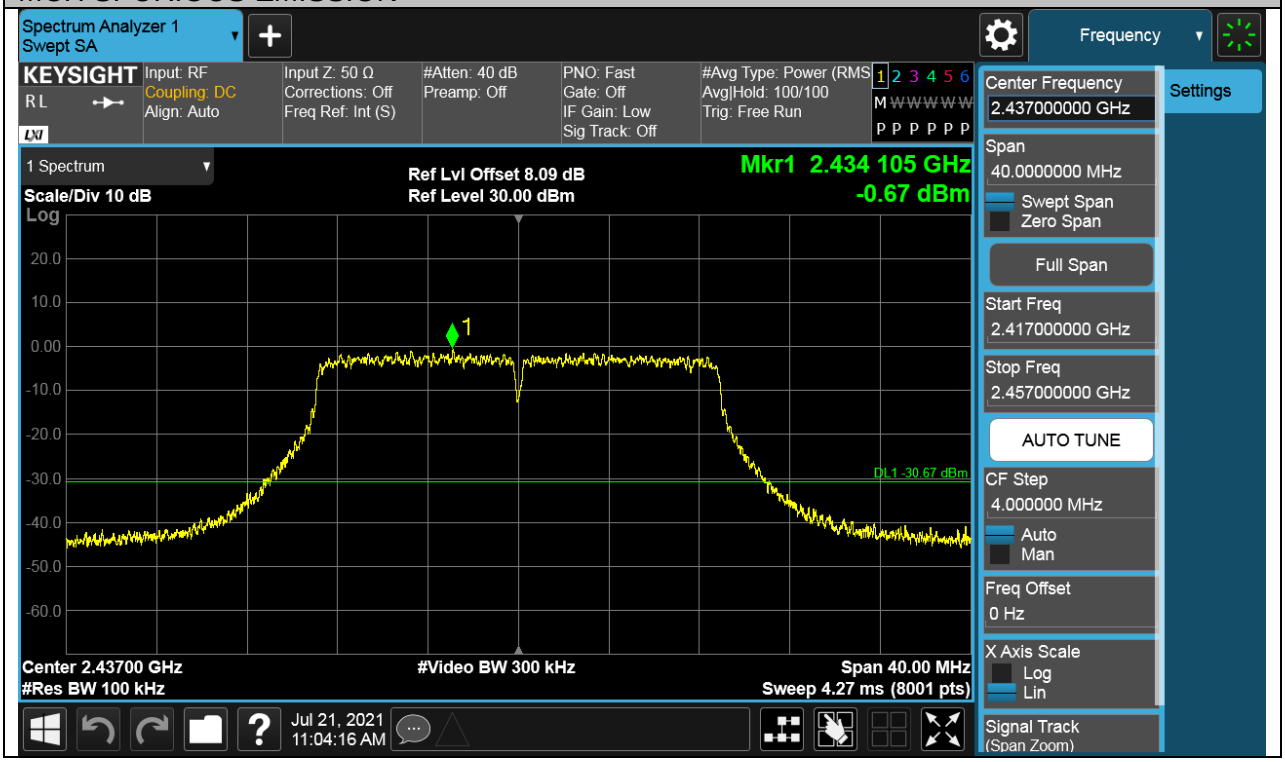
LCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11N HT20	MCH	PASS

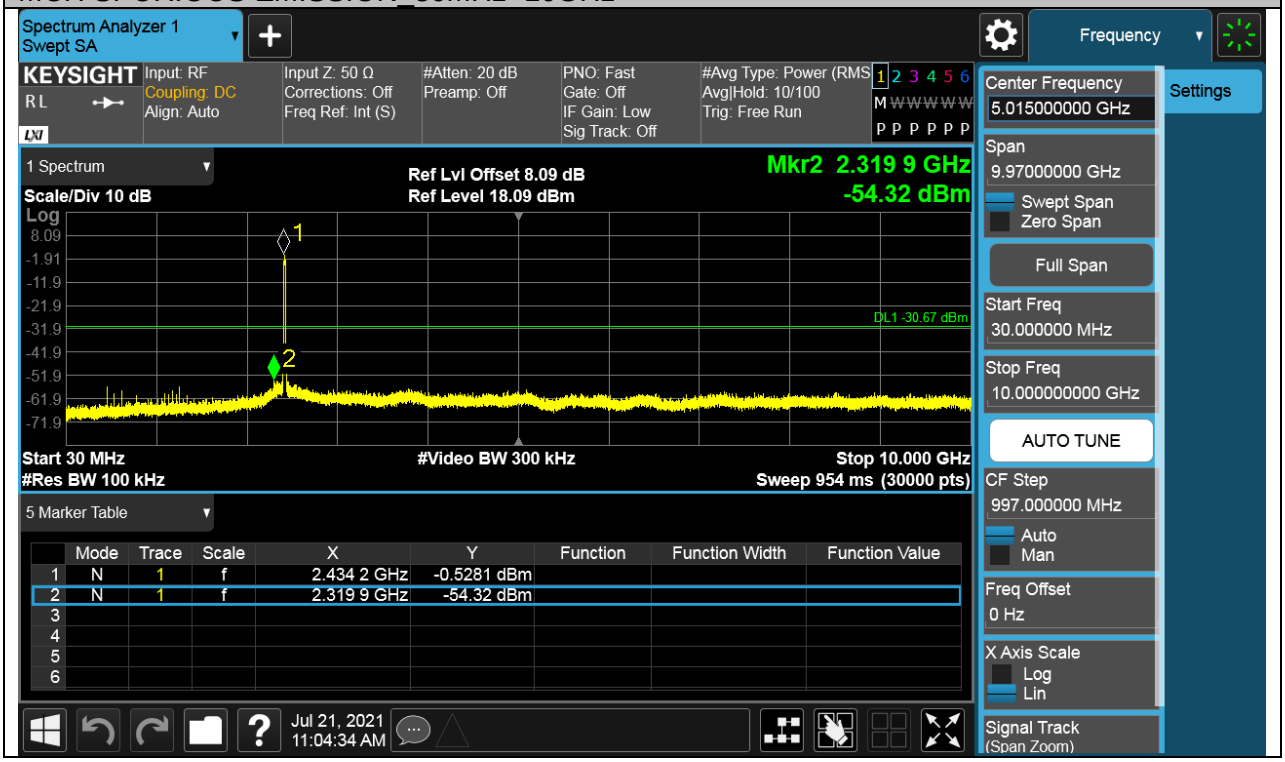
Pref test Plot

MCH SPURIOUS EMISSION

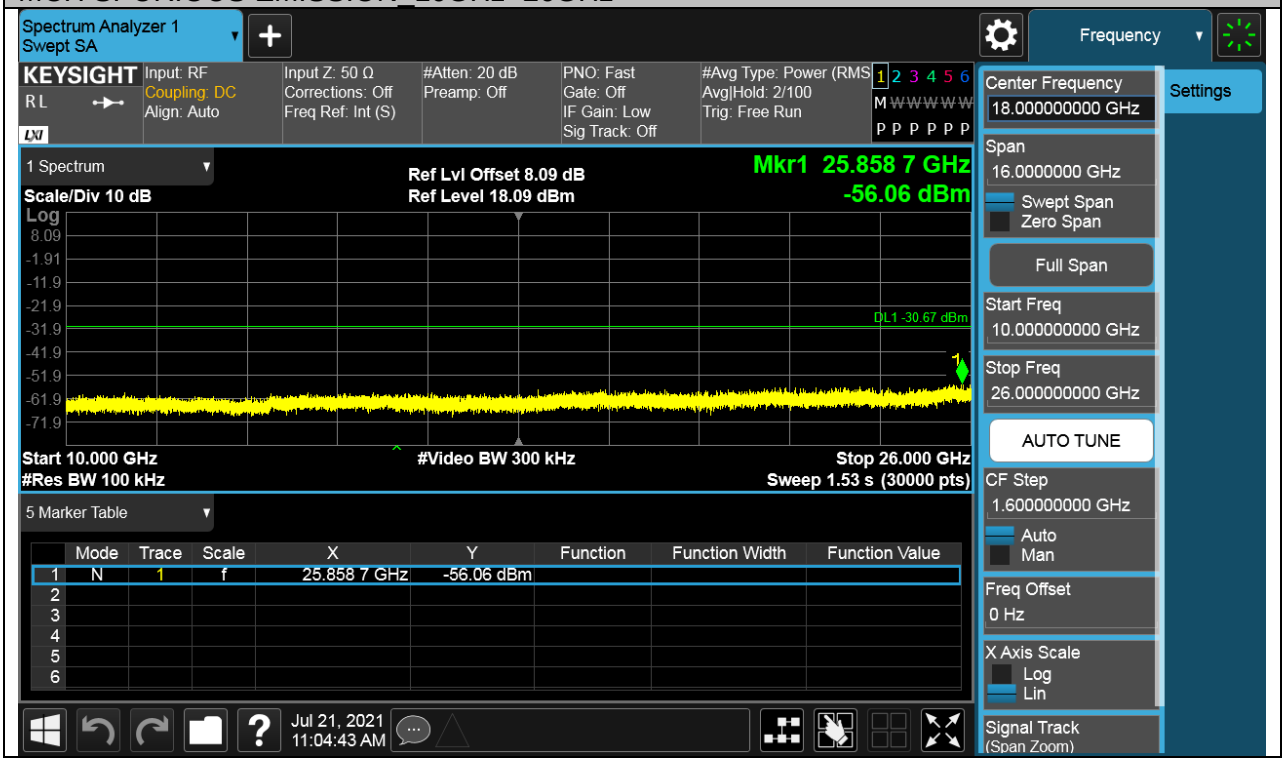


Puw test Plot

MCH SPURIOUS EMISSION_30MHz~10GHz



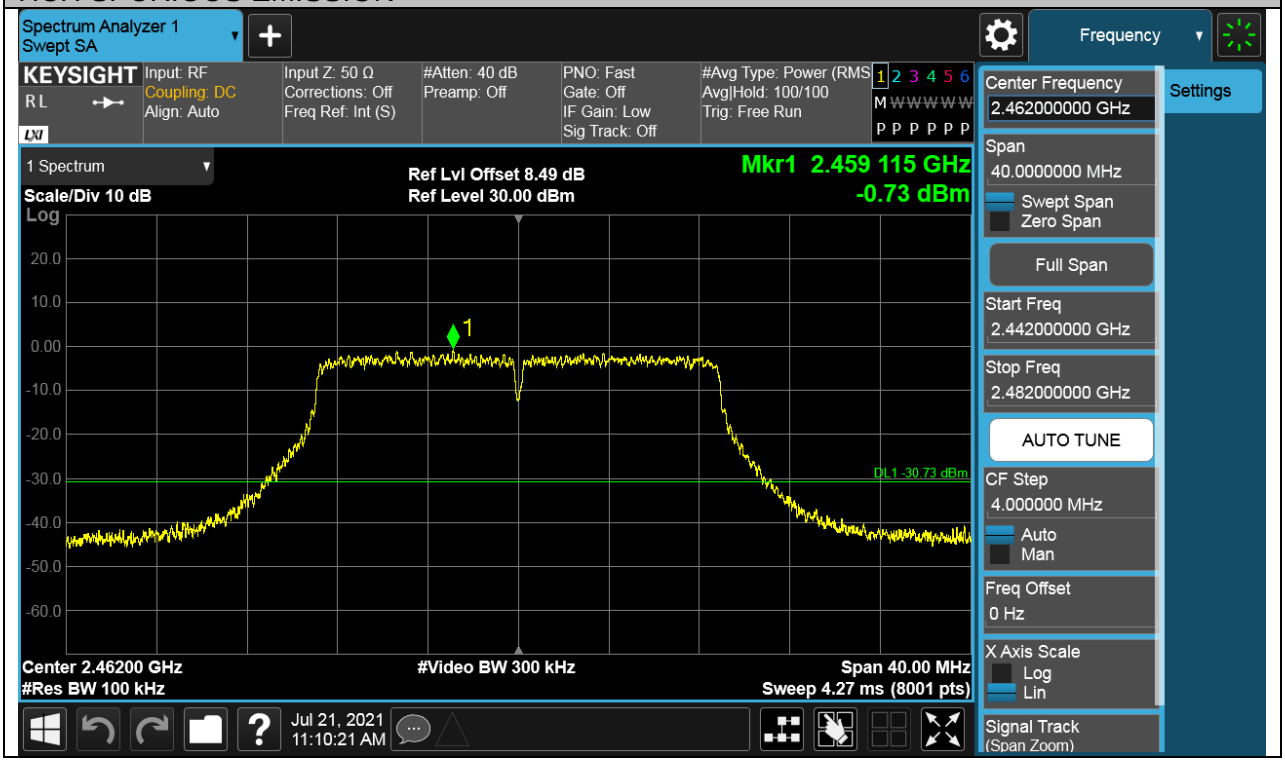
MCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11N HT20	HCH	PASS

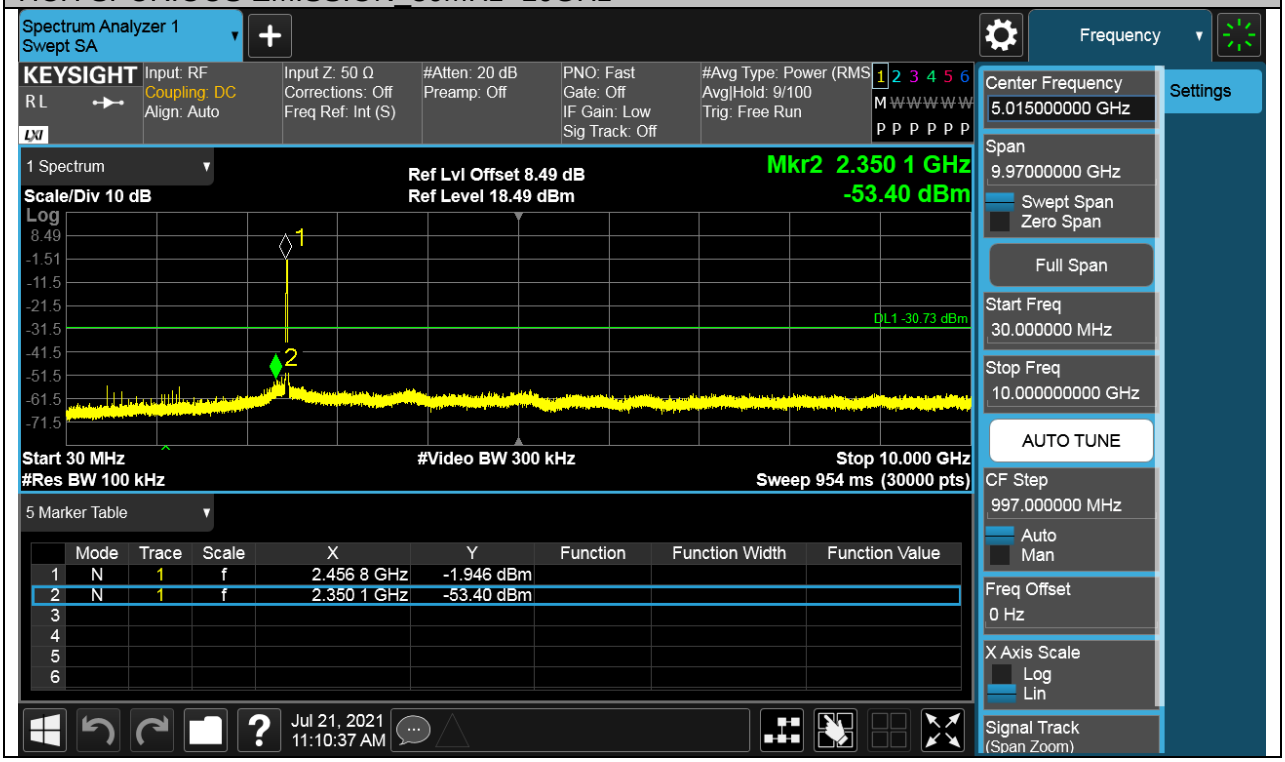
Pref test Plot

HCH SPURIOUS EMISSION

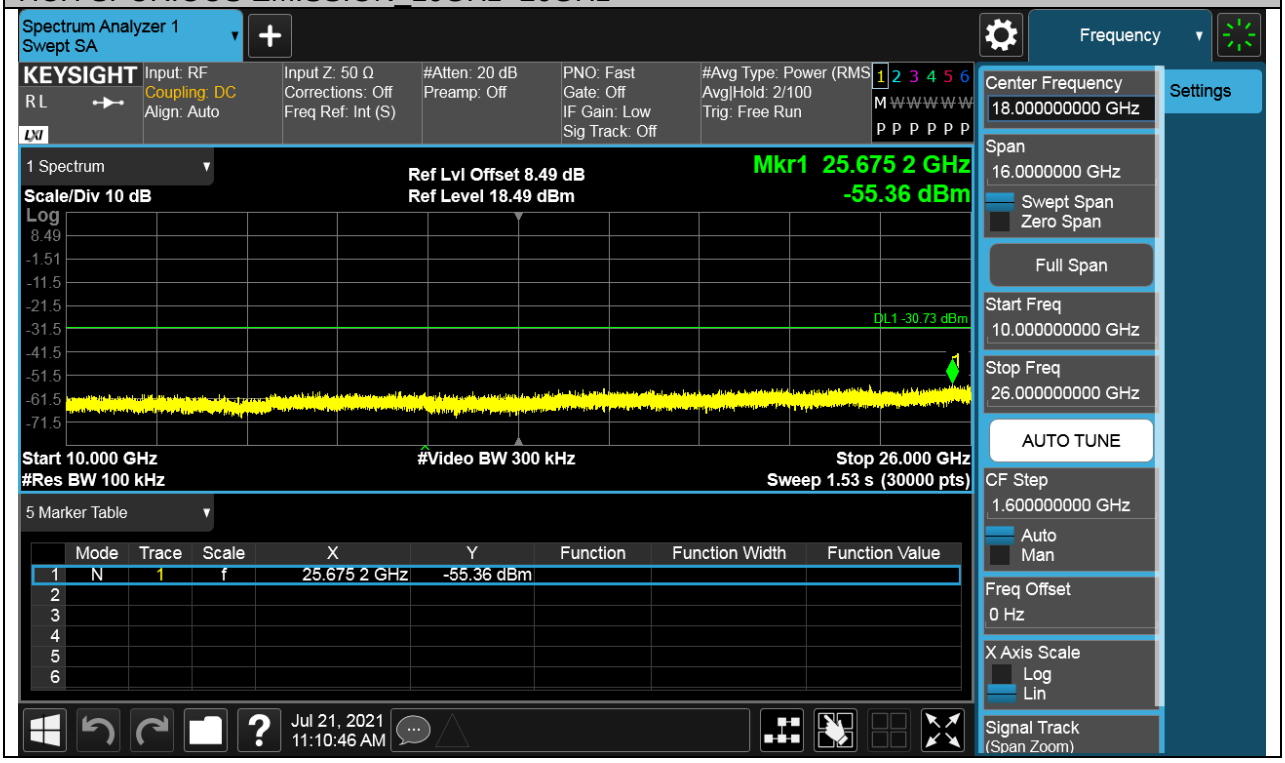


Puw test Plot

HCH SPURIOUS EMISSION_30MHz~10GHz



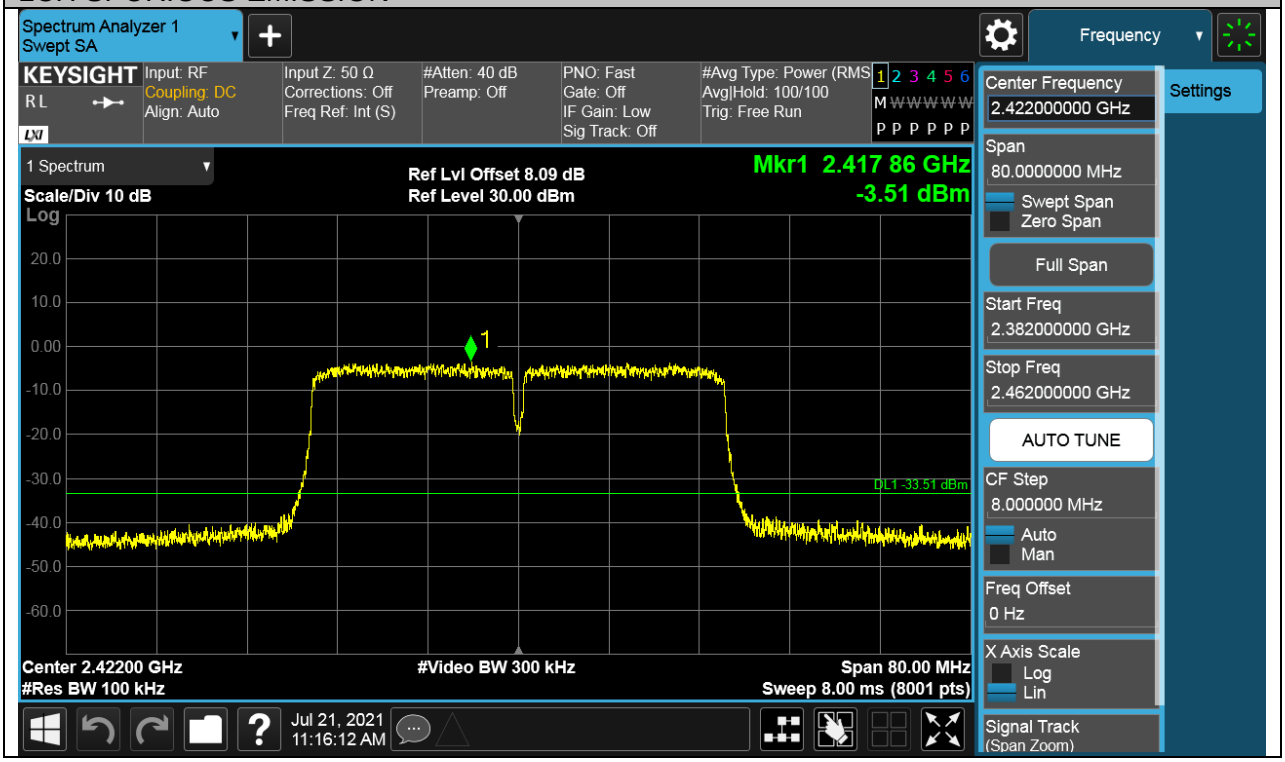
HCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11N HT40	LCH	PASS

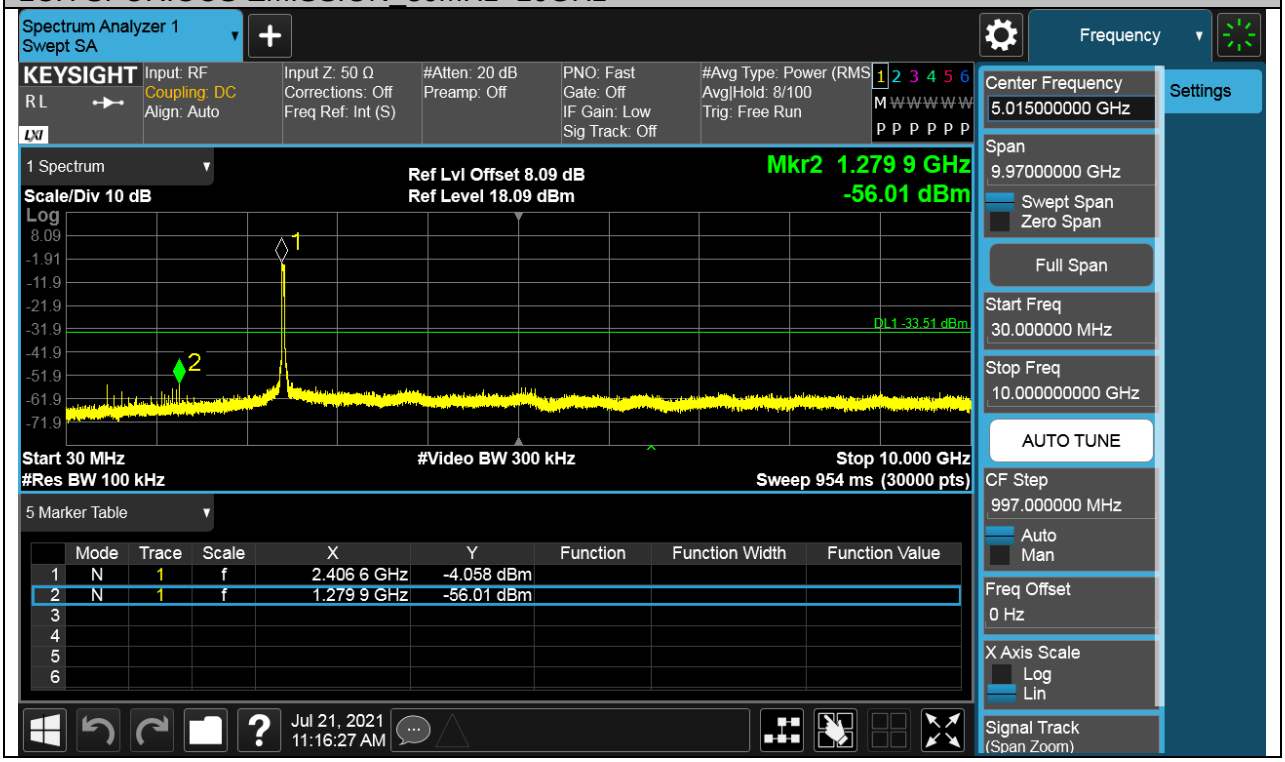
Pref test Plot

LCH SPURIOUS EMISSION

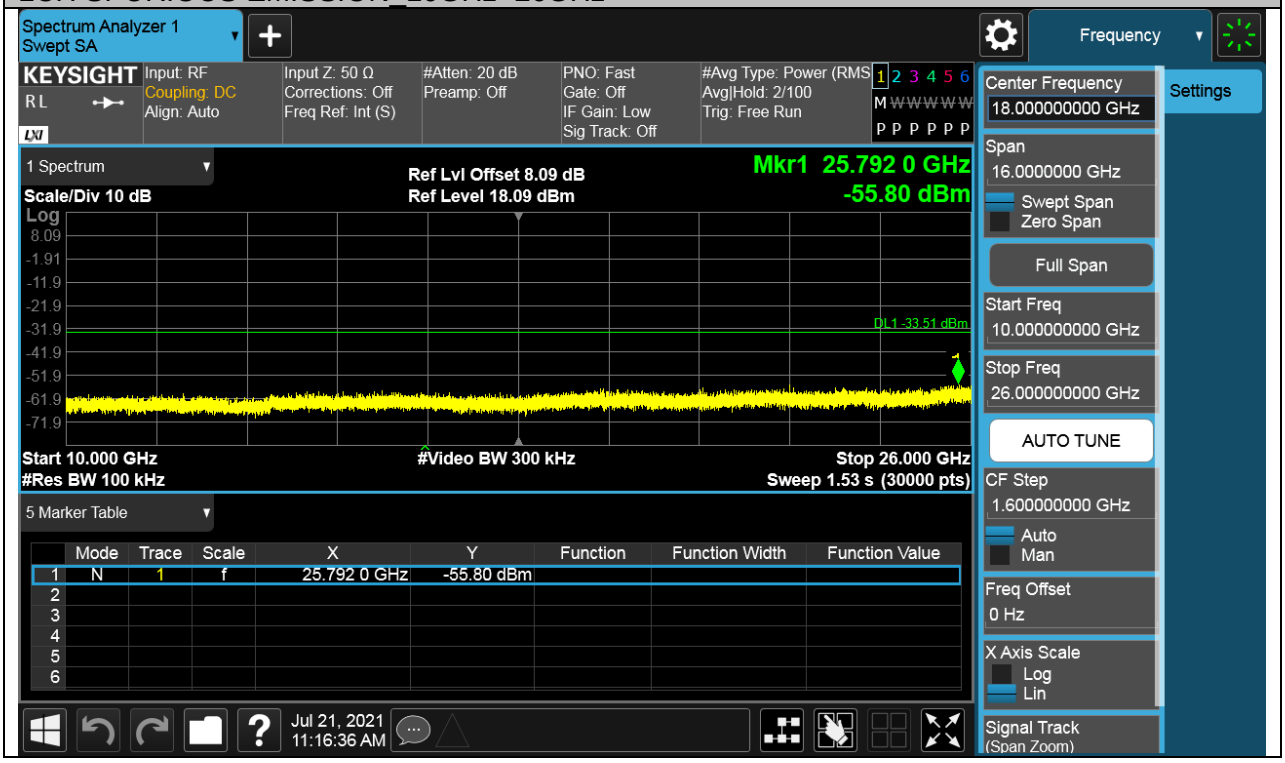


Puw test Plot

LCH SPURIOUS EMISSION_30MHz~10GHz



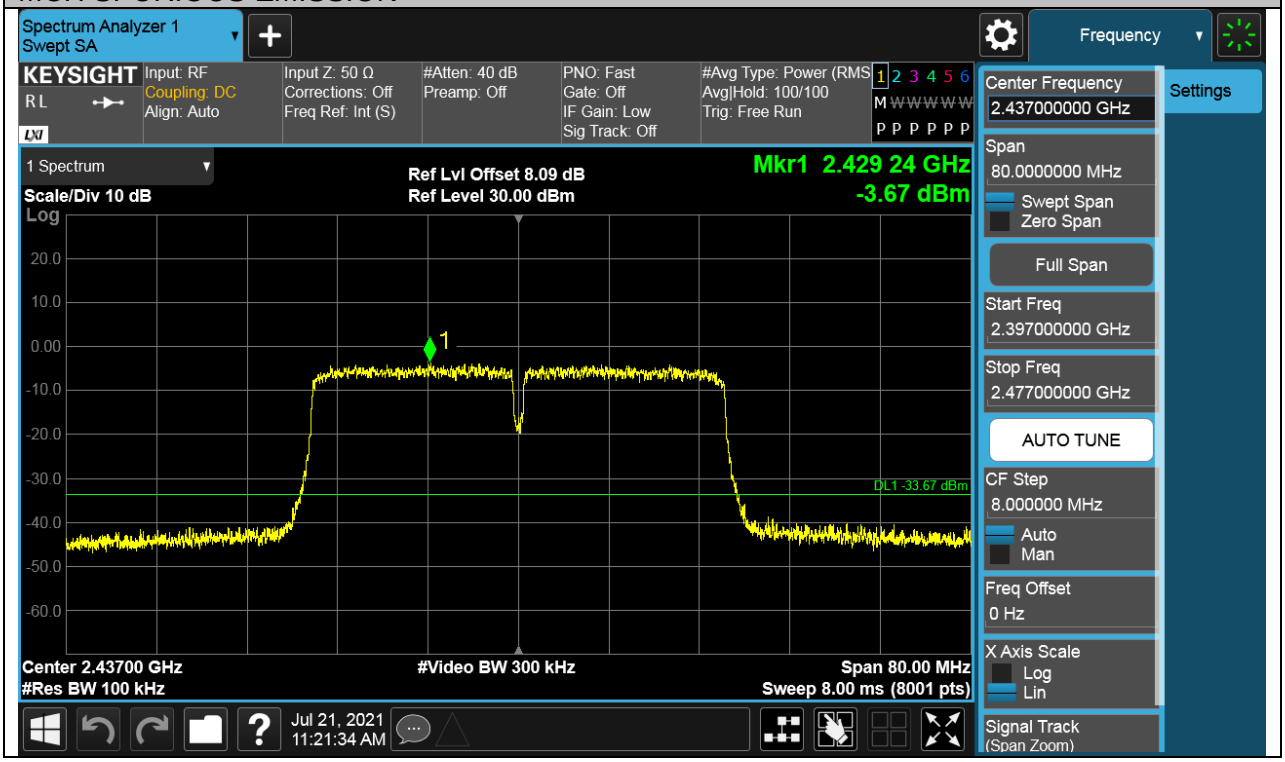
LCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11N HT40	MCH	PASS

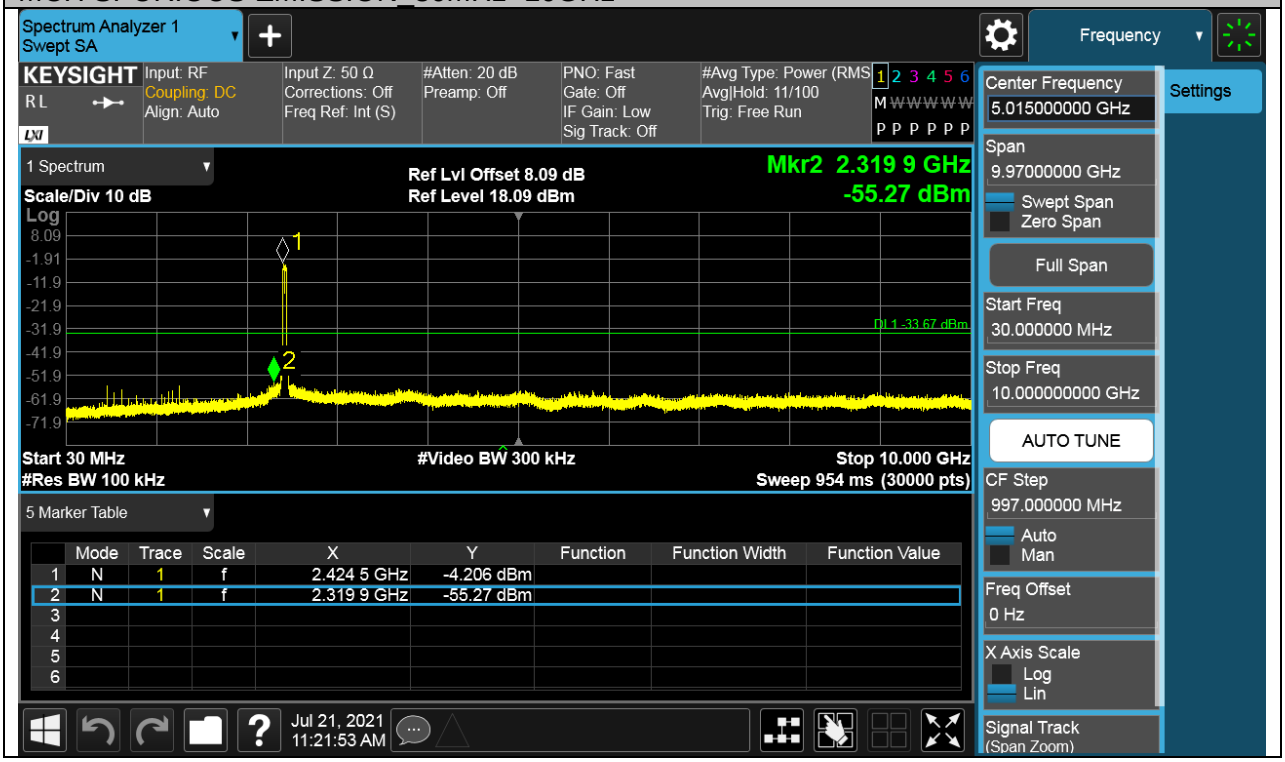
Pref test Plot

MCH SPURIOUS EMISSION

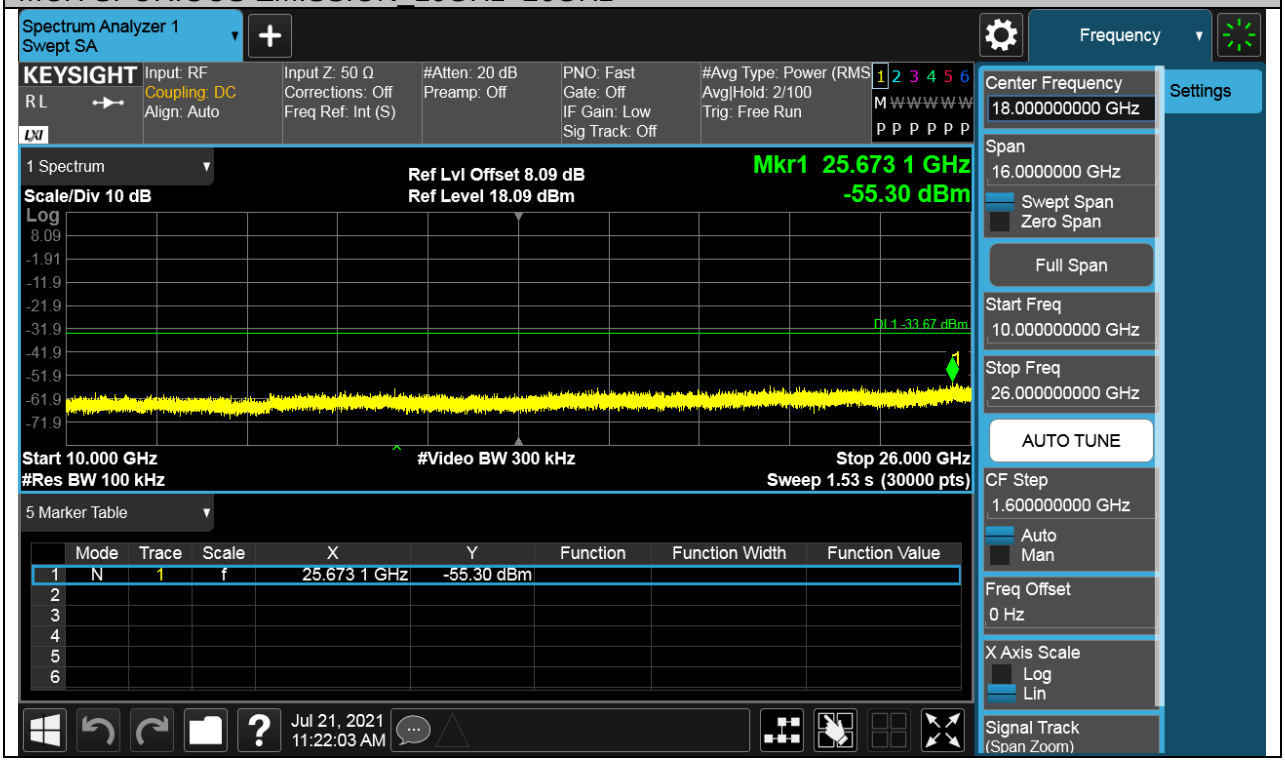


Puw test Plot

MCH SPURIOUS EMISSION_30MHz~10GHz



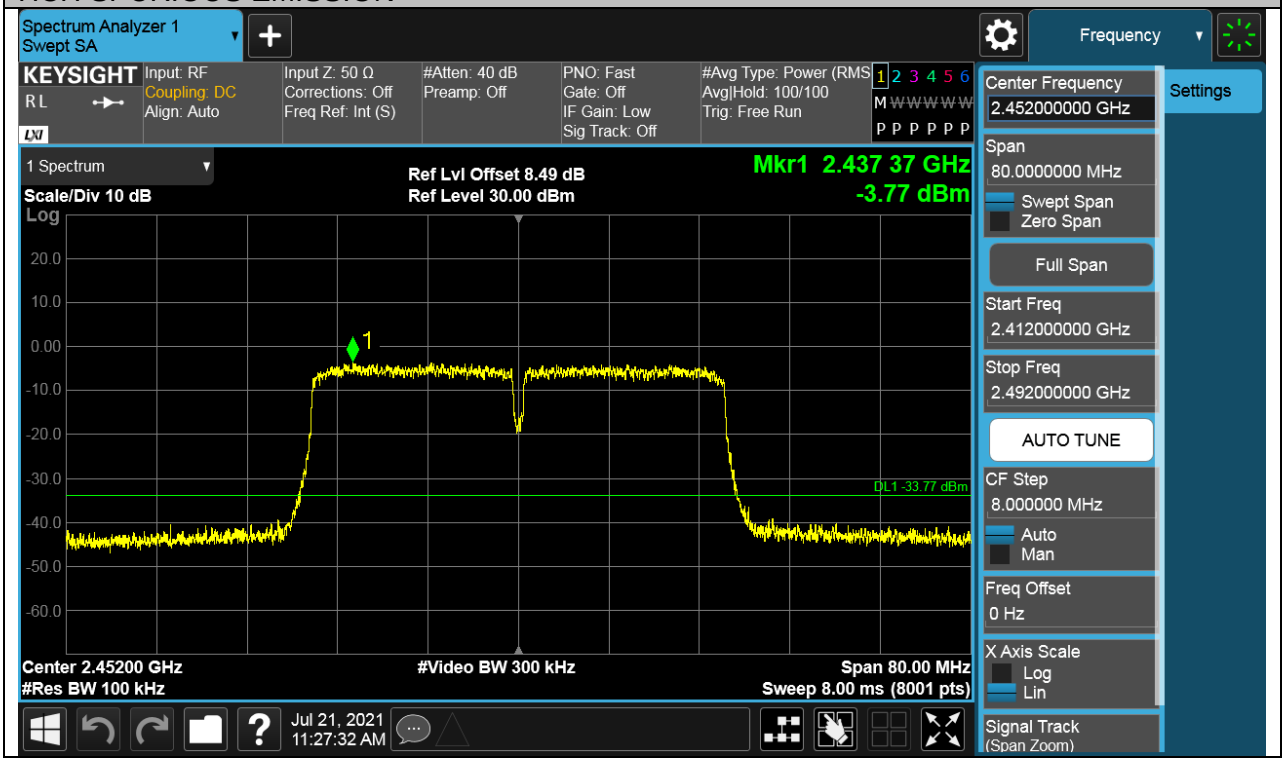
MCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11N HT40	HCH	PASS

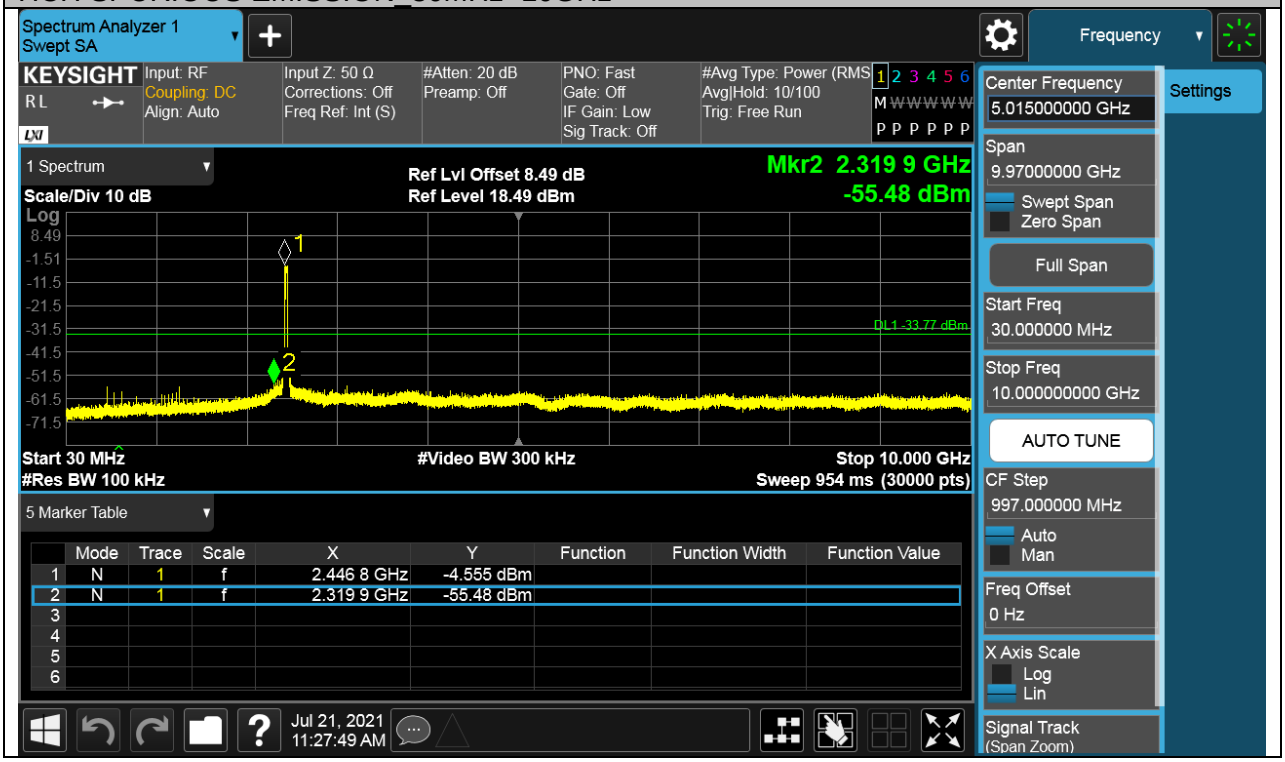
Pref test Plot

HCH SPURIOUS EMISSION

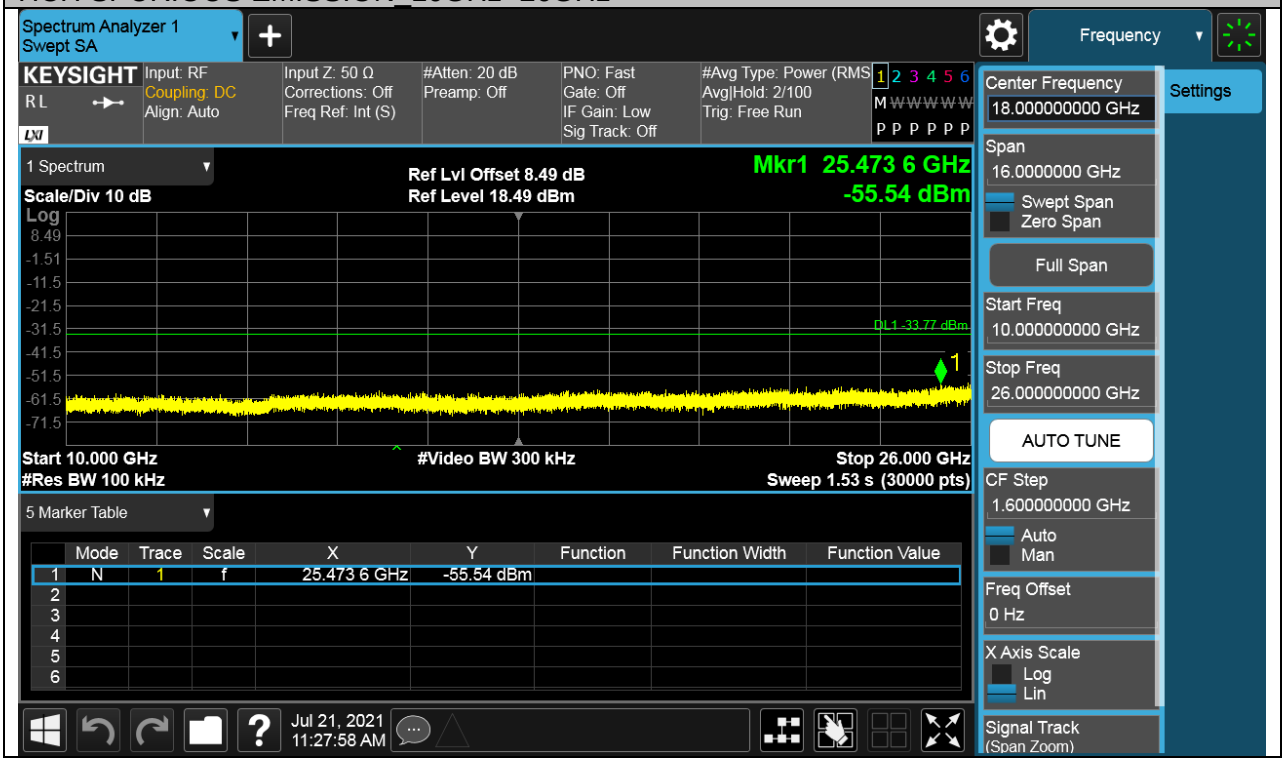


Puw test Plot

HCH SPURIOUS EMISSION_30MHz~10GHz



HCH SPURIOUS EMISSION_10GHz~26GHz



7.6. RADIATED TEST RESULTS

7.6.1. LIMITS AND PROCEDURE

LIMITS

Please refer to FCC §15.205 and §15.209 (Transmitter)

Please refer to FCC KDB 558074
Radiation Disturbance Test Limit for FCC (Class B)(9KHz-1GHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Note: 1) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

(2) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). This paragraph (f) shall not apply to Access BPL devices operating below 30 MHz.

Radiation Disturbance Test Limit for FCC (Above 1G)

Frequency (MHz)	dB(uV/m) (at 3 meters)	
	Peak	Average
Above 1000	74	54

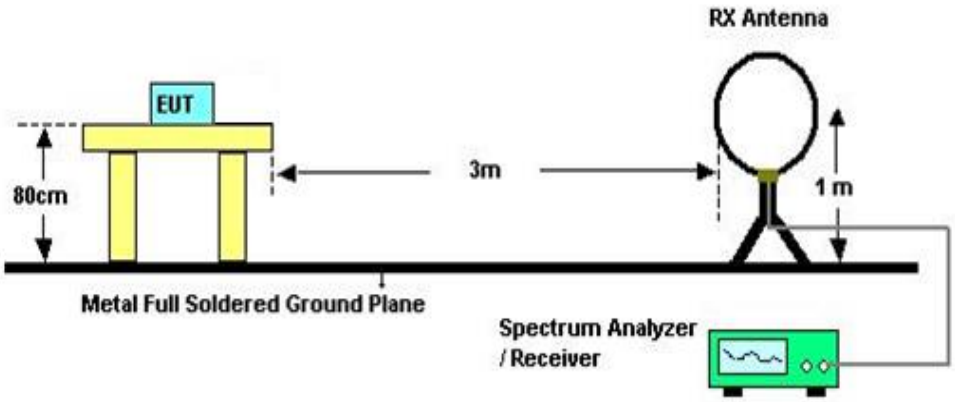
Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

Note: [1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
[2]Above 38.6c

TEST SETUP AND PROCEDURE

Below 30MHz



The setting of the spectrum analyser

RBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
VBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013

2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 0.8 meter above ground.

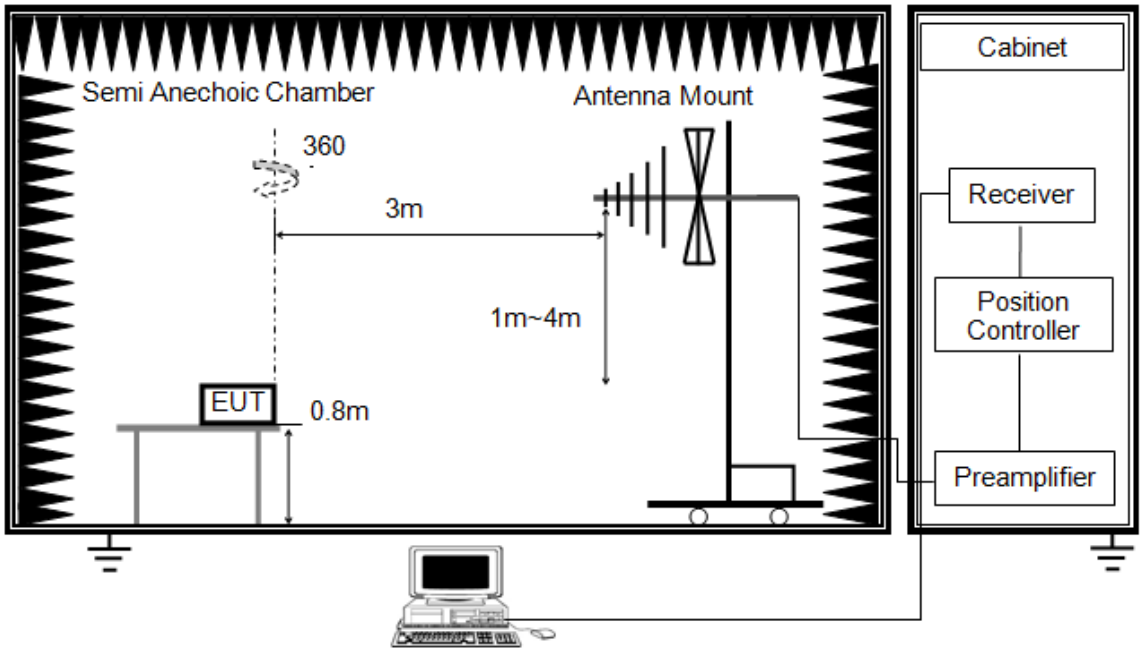
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1m height antenna tower.

5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector

6. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

7. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)

Below 1G



The setting of the spectrum analyser

RBW	120K
VBW	300K
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

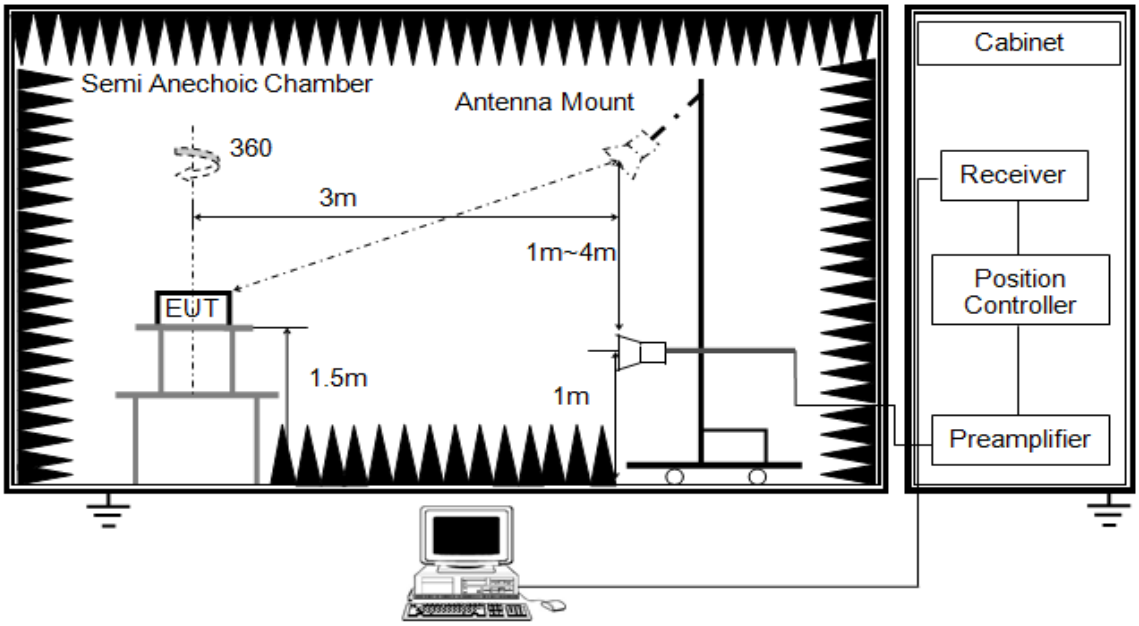
3. The EUT was placed on a turntable with 0.8 meter above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

6. For the actual test configuration, please refer to the related Item in this test report (Photographs of the Test Configuration)

ABOVE 1G



The setting of the spectrum analyser

RBW	1M
VBW	PEAK:3M AVG: See note6
Sweep	Auto
Detector	Peak/Average(10Hz)
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 1.5m above ground.

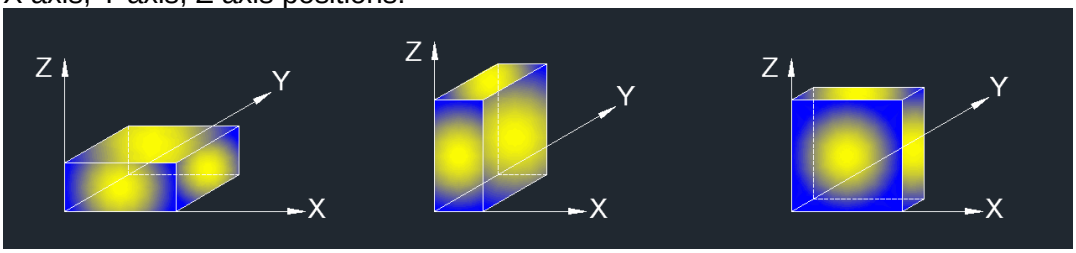
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

6. For measurements above 1 GHz, the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements; and 1 MHz resolution bandwidth with video bandwidth ≥1/T but not less than the setting list in section 7.1 when use peak detector, max hold to be run for at least [50*(1/Duty Cycle)] traces for average measurements. For the Duty Cycle need to refer the results in section 7.1.

7. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)

X axis, Y axis, Z axis positions:



Note: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (Z axis) data recorded in the report.

7.6.2. RESTRICTED BANDEDGE

Test Result Table

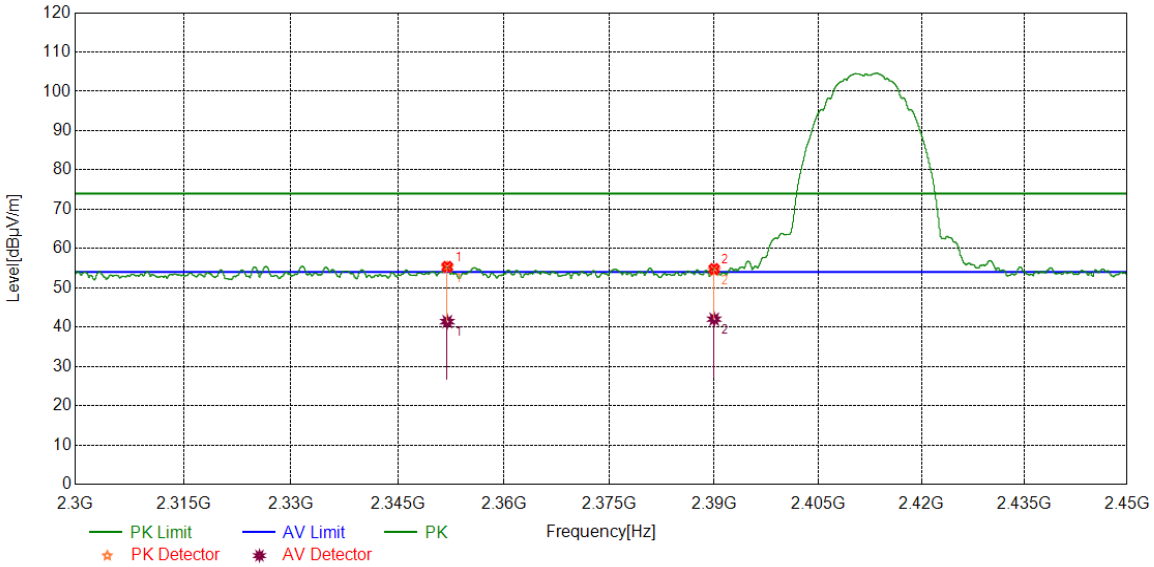
Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11B SISO	Antenna1	LCH	<Limit	PASS
		HCH	<Limit	PASS
11G SISO	Antenna1	LCH	<Limit	PASS
		HCH	<Limit	PASS
11N20 MIMO	Antenna1+Antenna2	LCH	<Limit	PASS
		HCH	<Limit	PASS
11N40 MIMO	Antenna1+Antenna2	LCH	<Limit	PASS
		HCH	<Limit	PASS

Remark:

1) For this product, it has two antennas, antenna1 and antenna2, but only the 802.11N HT20 and 802.11N HT40 modes can support both the SISO and MIMO technical. But for the modes of 11B &11G,only the antenna 1 is working.
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.

Test Graphs:

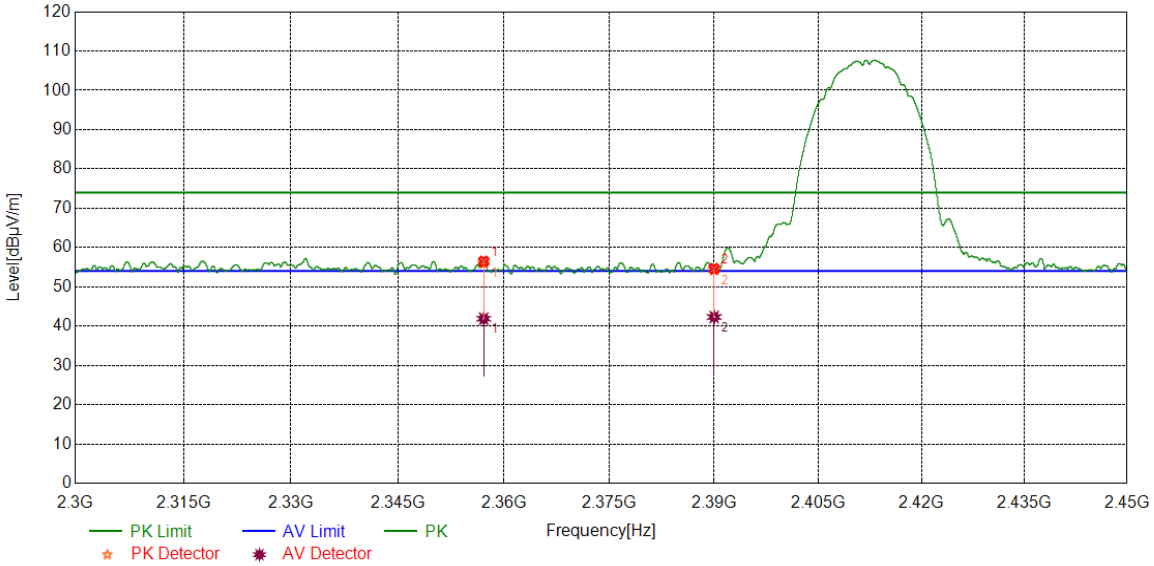
Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2351.9815	42.64	12.71	55.35	74.00	-18.65	peak
		28.69	12.71	41.40	54.00	-12.6	average
2	2390.0000	41.73	13.07	54.80	74.00	-19.2	peak
		28.95	13.07	42.02	54.00	-11.98	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

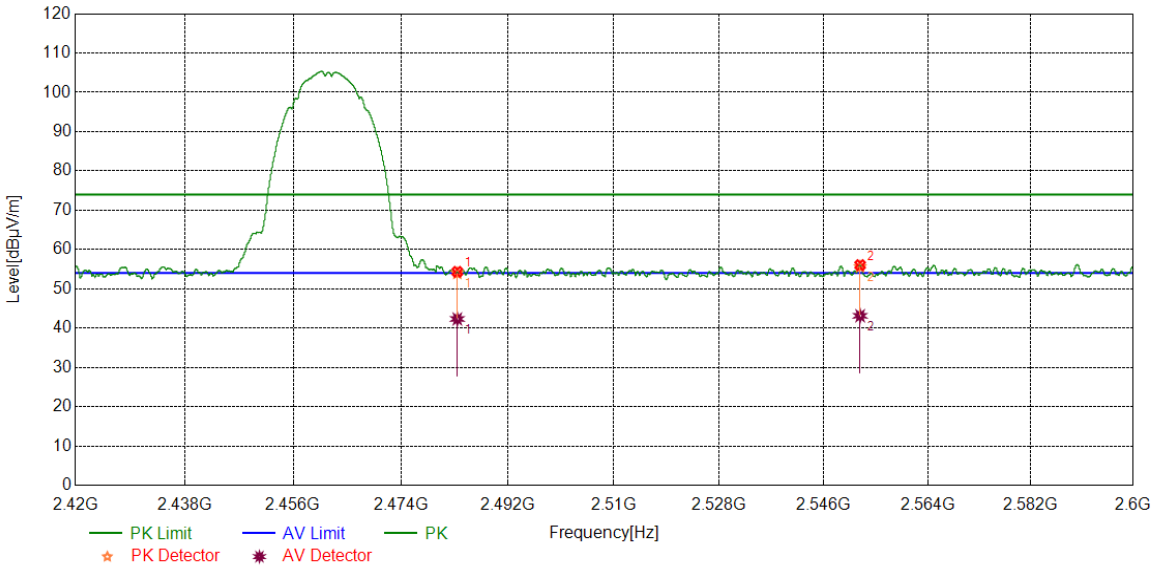
Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2357.1384	43.72	12.75	56.47	74.00	-17.53	peak
		29.13	12.75	41.88	54.00	-12.12	average
2	2390.0000	41.52	13.07	54.59	74.00	-19.41	peak
		29.24	13.07	42.31	54.00	-11.69	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

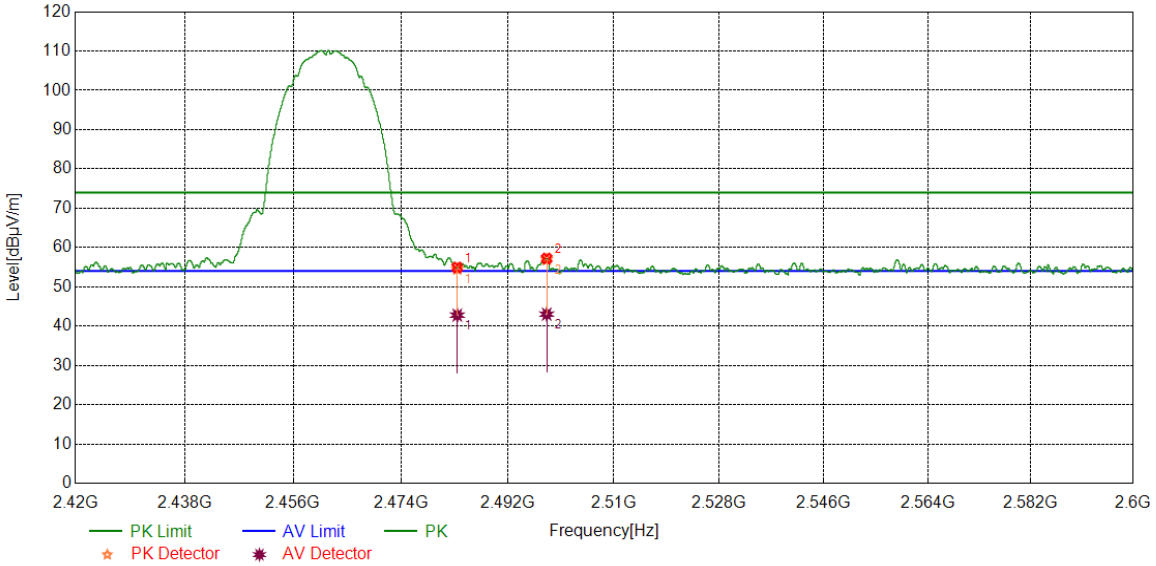
Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	41.37	12.97	54.34	74.00	-19.66	peak
		29.36	12.97	42.33	54.00	-11.67	average
2	2552.2715	42.69	13.36	56.05	74.00	-17.95	peak
		29.78	13.36	43.14	54.00	-10.86	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

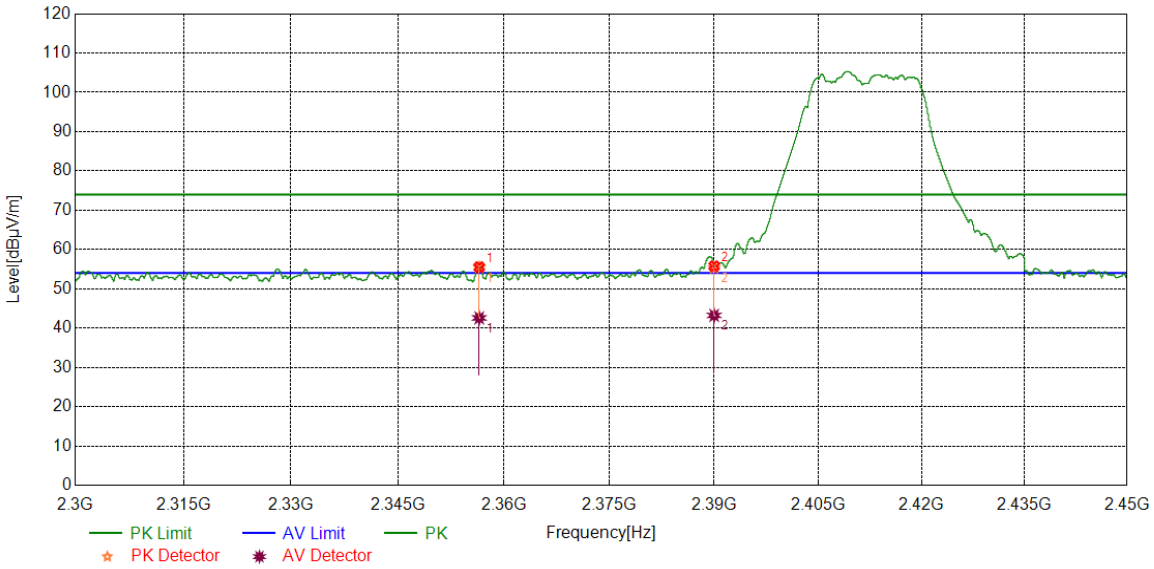
Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	41.95	12.97	54.92	74.00	-19.08	peak
		29.82	12.97	42.79	54.00	-11.21	average
2	2498.6023	44.08	13.12	57.20	74.00	-16.8	peak
		29.91	13.12	43.03	54.00	-10.97	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

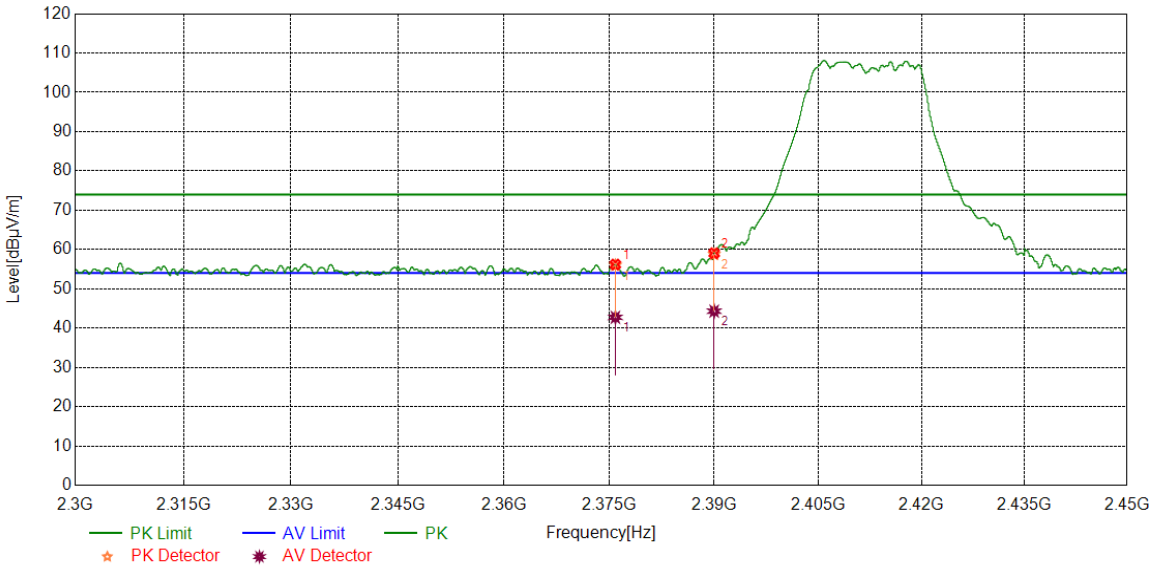
Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2356.5008	42.80	12.74	55.54	74.00	-18.46	peak
		29.86	12.74	42.60	54.00	-11.4	average
2	2390.0000	42.70	13.07	55.77	74.00	-18.23	peak
		30.16	13.07	43.23	54.00	-10.77	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

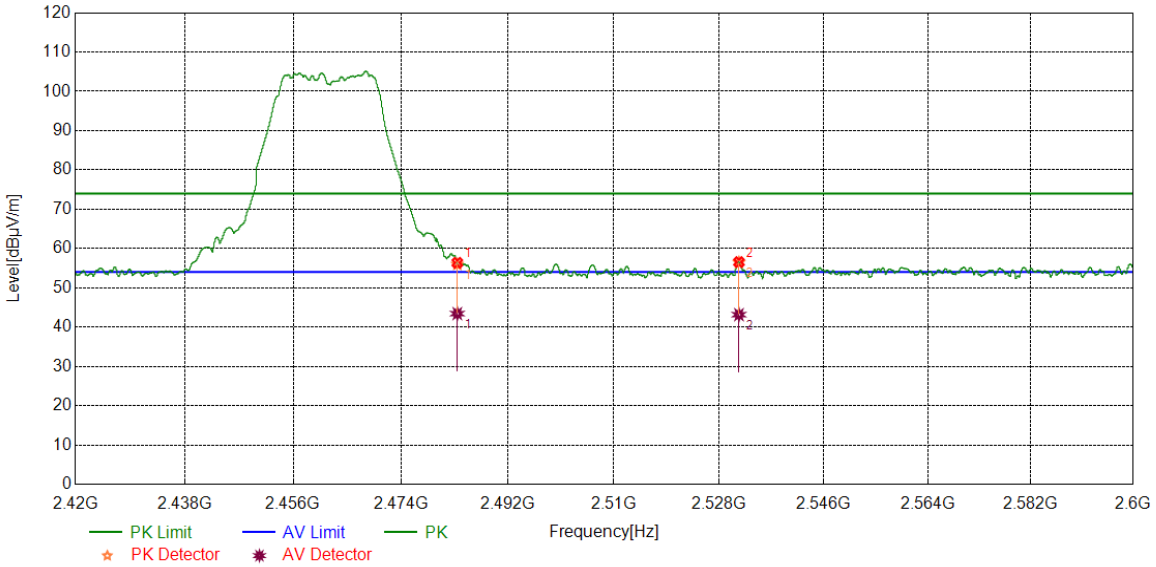
Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2375.8532	43.17	13.01	56.18	74.00	-17.82	peak
		29.73	13.01	42.74	54.00	-11.26	average
2	2390.0000	45.98	13.07	59.05	74.00	-14.95	peak
		31.24	13.07	44.31	54.00	-9.69	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

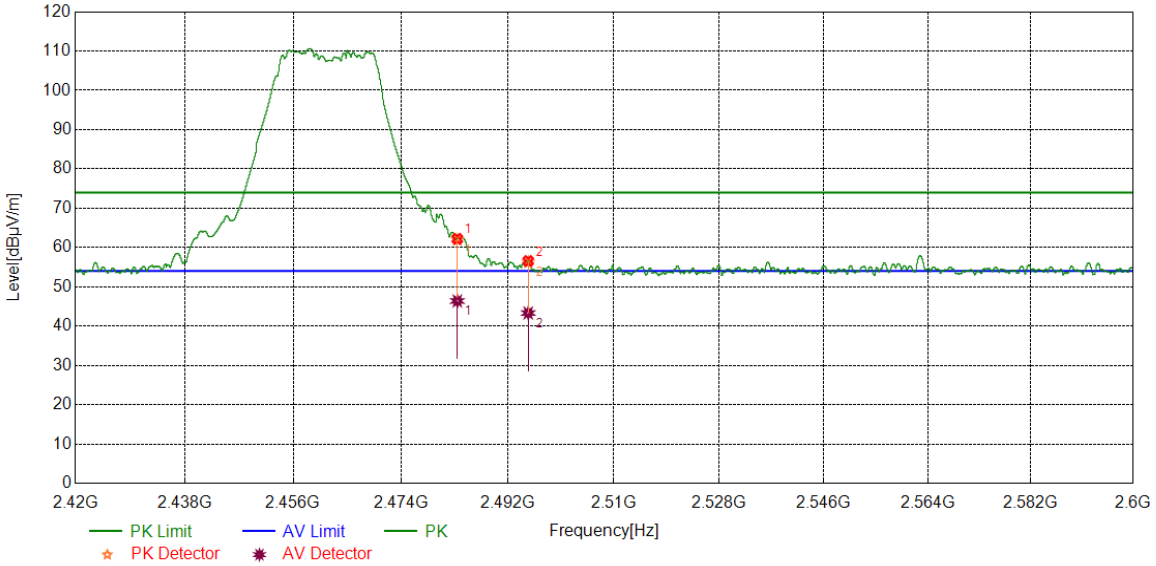
Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	43.40	12.97	56.37	74.00	-17.63	peak
		30.47	12.97	43.44	54.00	-10.56	average
2	2531.3889	43.13	13.42	56.55	74.00	-17.45	peak
		29.75	13.42	43.17	54.00	-10.83	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

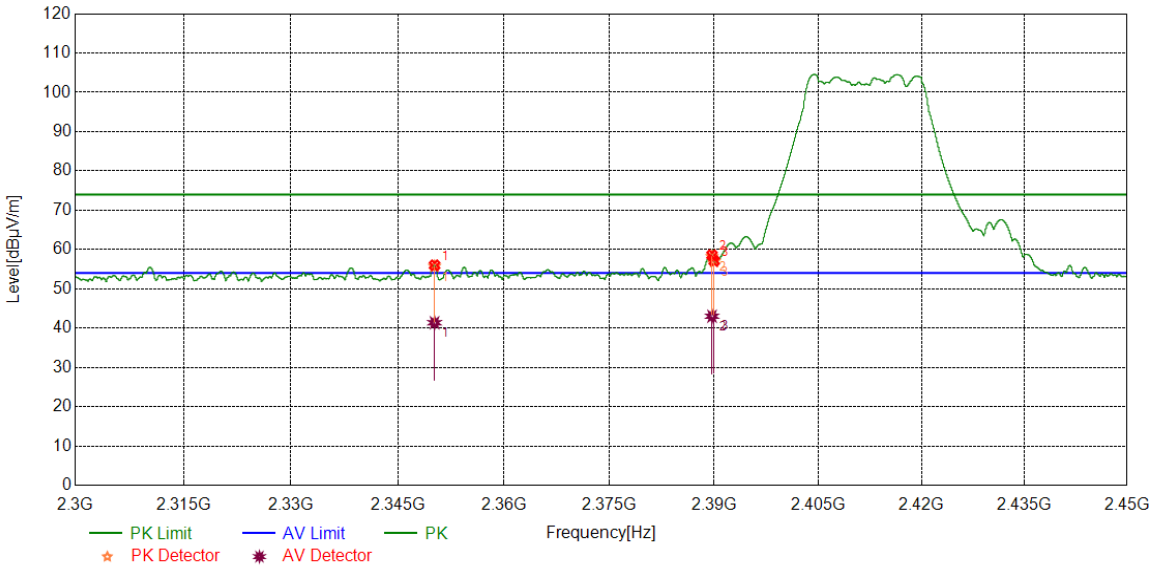
Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	49.25	12.97	62.22	74.00	-11.78	peak
		33.43	12.97	46.40	54.00	-7.6	average
2	2495.4744	43.50	13.07	56.57	74.00	-17.43	peak
		30.26	13.07	43.33	54.00	-10.67	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

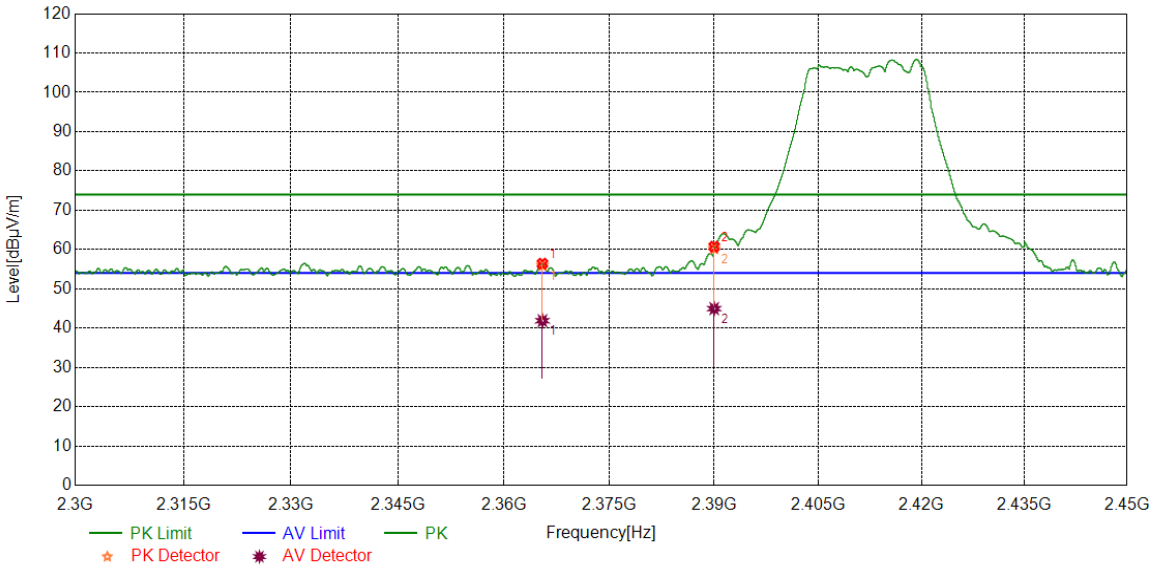
Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2350.1813	43.30	12.69	55.99	74.00	-18.01	peak
		28.67	12.69	41.36	54.00	-12.64	average
2	2389.6925	45.49	13.07	58.56	74.00	-15.44	peak
		29.95	13.07	43.02	54.00	-10.98	average
3	2390.0000	44.02	13.07	57.09	74.00	-16.91	peak
		30.24	13.07	43.31	54.00	-10.69	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

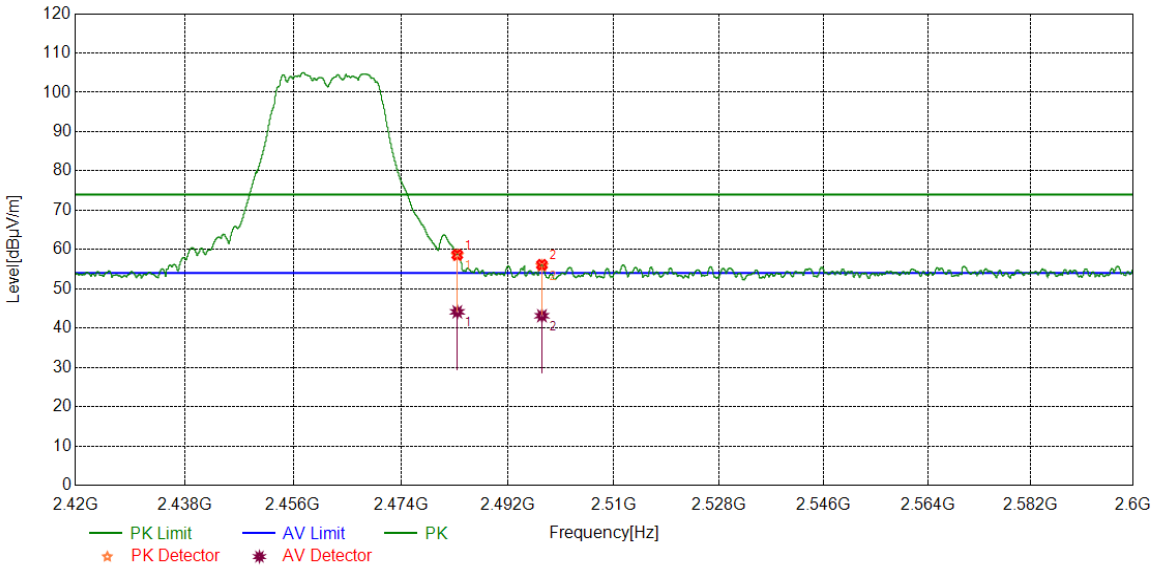
Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2365.4644	43.56	12.86	56.42	74.00	-17.58	peak
		29.02	12.86	41.88	54.00	-12.12	average
2	2390.0000	47.65	13.07	60.72	74.00	-13.28	peak
		31.89	13.07	44.96	54.00	-9.04	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

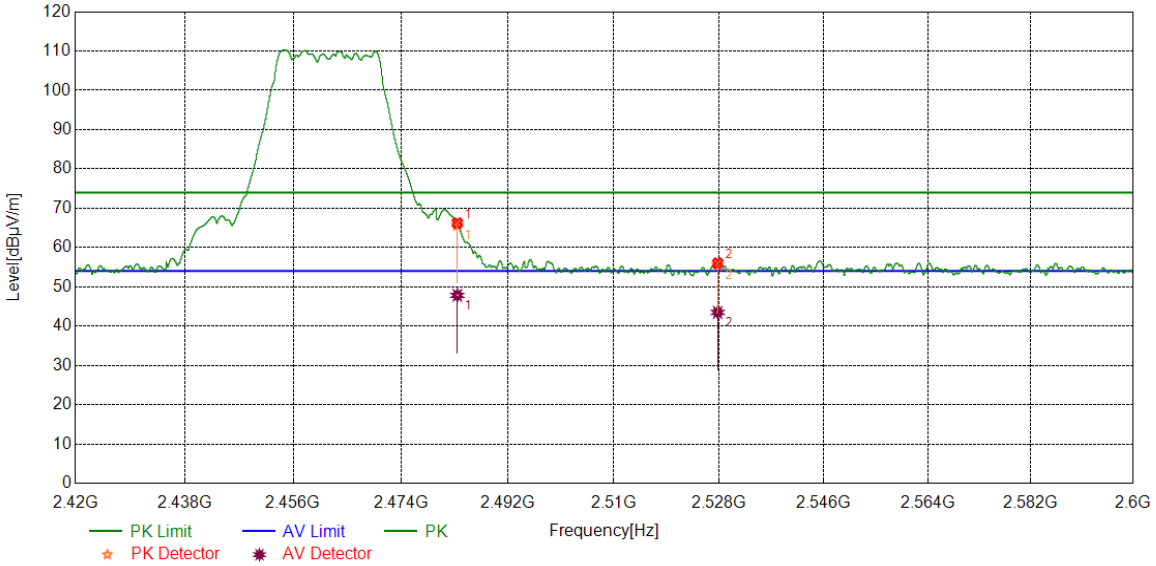
Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	45.69	12.97	58.66	74.00	-15.34	peak
		31.17	12.97	44.14	54.00	-9.86	average
2	2497.7922	43.00	13.11	56.11	74.00	-17.89	peak
		30.04	13.11	43.15	54.00	-10.85	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

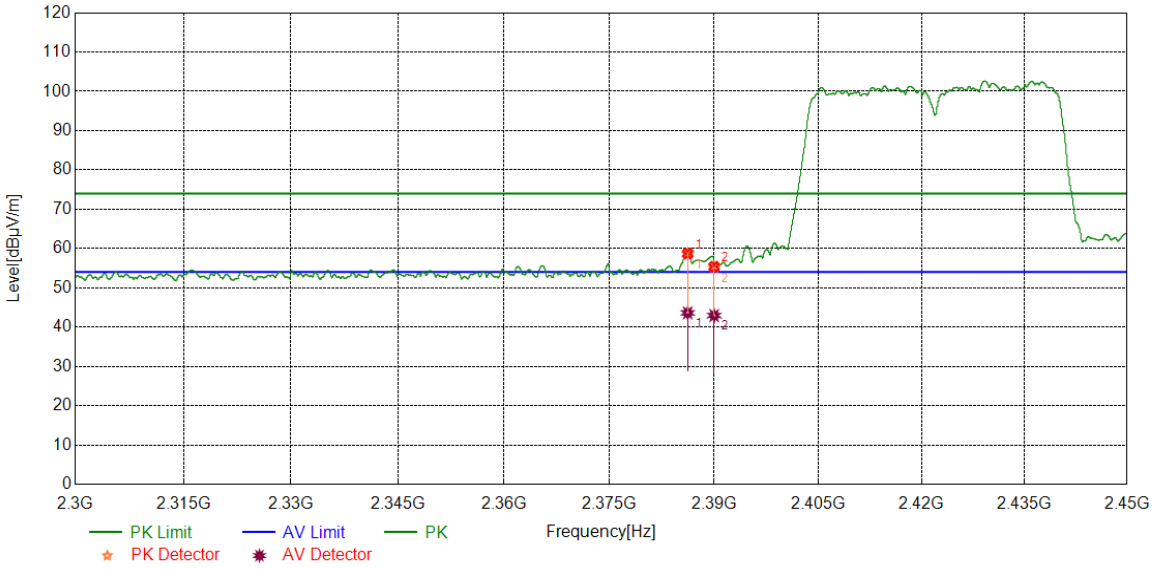
Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	53.25	12.97	66.22	74.00	-7.78	peak
		34.86	12.97	47.83	54.00	-6.17	average
2	2527.7435	42.64	13.38	56.02	74.00	-17.98	peak
		30.11	13.38	43.49	54.00	-10.51	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

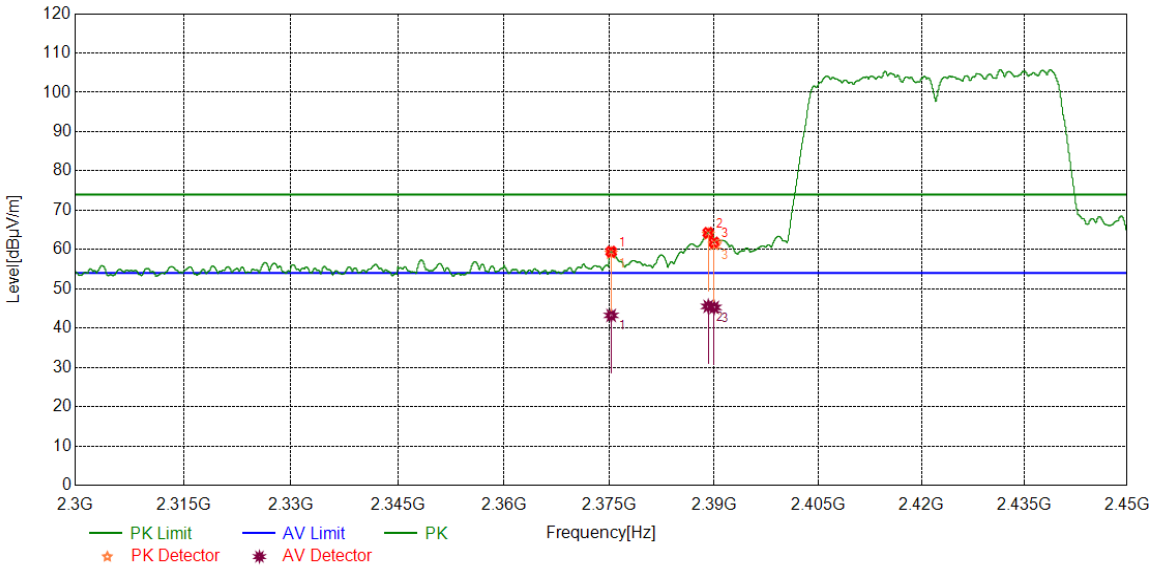
Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2386.2045	45.67	13.06	58.73	74.00	-15.27	peak
		30.56	13.06	43.62	54.00	-10.38	average
2	2390.0000	42.30	13.07	55.37	74.00	-18.63	peak
		29.88	13.07	42.95	54.00	-11.05	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

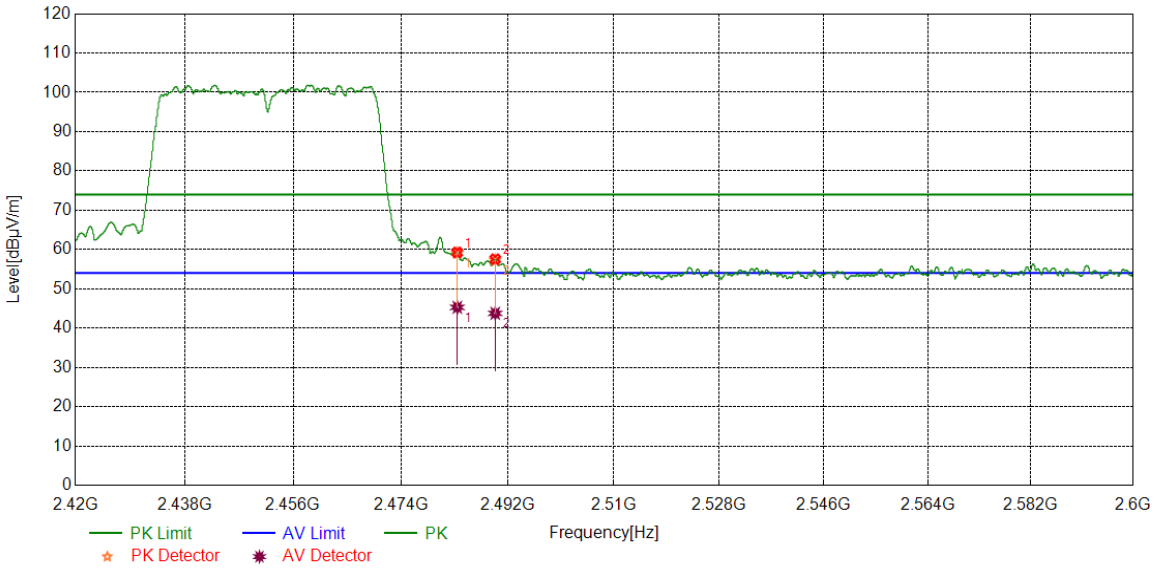
Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2375.2532	46.46	13.00	59.46	74.00	-14.54	peak
		30.23	13.00	43.23	54.00	-10.77	average
2	2389.1486	51.18	13.07	64.25	74.00	-9.75	peak
		32.46	13.07	45.53	54.00	-8.47	average
3	2390.0000	48.73	13.07	61.80	74.00	-12.20	peak
		32.46	13.07	45.53	54.00	-8.47	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

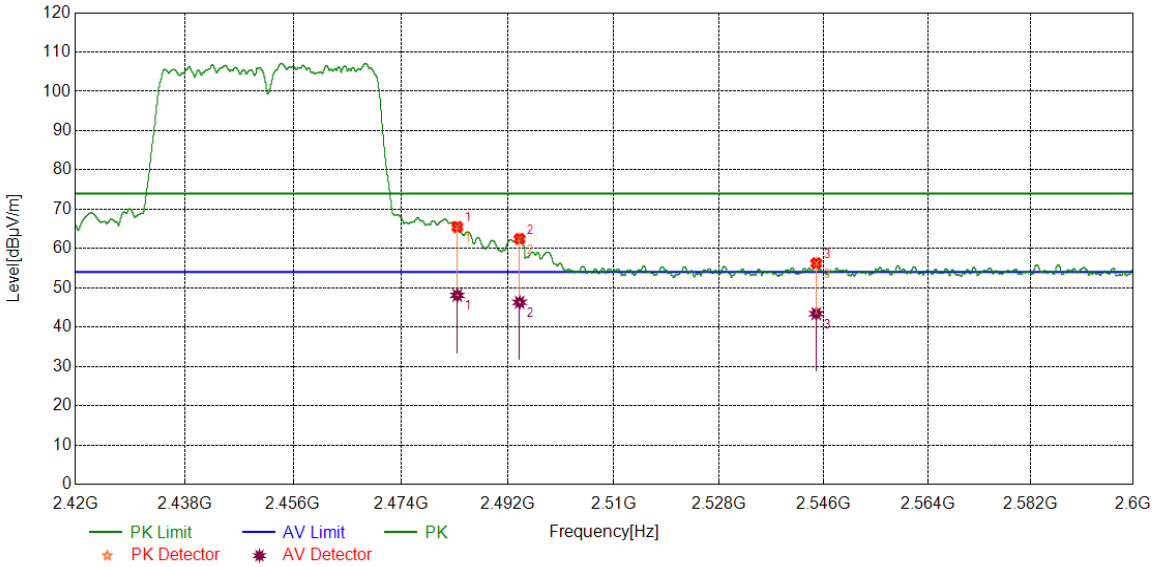
Test Mode	Channel	Polarization	Verdict
11N HT40	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	46.29	12.97	59.26	74.00	-14.74	peak
		32.31	12.97	45.28	54.00	-8.72	average
2	2489.8937	44.53	13.00	57.53	74.00	-16.47	peak
		30.76	13.00	43.76	54.00	-10.24	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. Measurement = Reading Level + Correct Factor.
4. 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
11N HT40	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	52.54	12.97	65.51	74.00	-8.49	peak
		35.11	12.97	48.08	54.00	-5.92	average
2	2494.0118	49.42	13.05	62.47	74.00	-11.53	peak
		33.25	13.05	46.30	54.00	-7.70	average
3	2544.6881	42.89	13.39	56.28	74.00	-17.72	peak
		30.02	13.39	43.41	54.00	-10.59	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. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

7.6.3. SPURIOUS EMISSIONS

Test Result Table:
1) For 1GHz~3GHz

Test Mode	Channel	Puw(dBm)	Verdict
11B SISO	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11G SISO	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11N HT20 MIMO	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11N HT40 MIMO	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS

2) For 3GHz~18GHz

Test Mode	Channel	Puw(dBm)	Verdict
11B SISO	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11G SISO	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11N HT20 MIMO	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11N HT40 MIMO	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS

3) For 18GHz~26.5GHz

Test Mode	Channel	Puw(dBm)	Verdict
11N 20 MIMO	LCH	<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 30MHz~1GHz

Test Mode	Channel	Puw(dBm)	Verdict
11N 20 MIMO	LCH	<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.

5) For 9KHz~30MHz

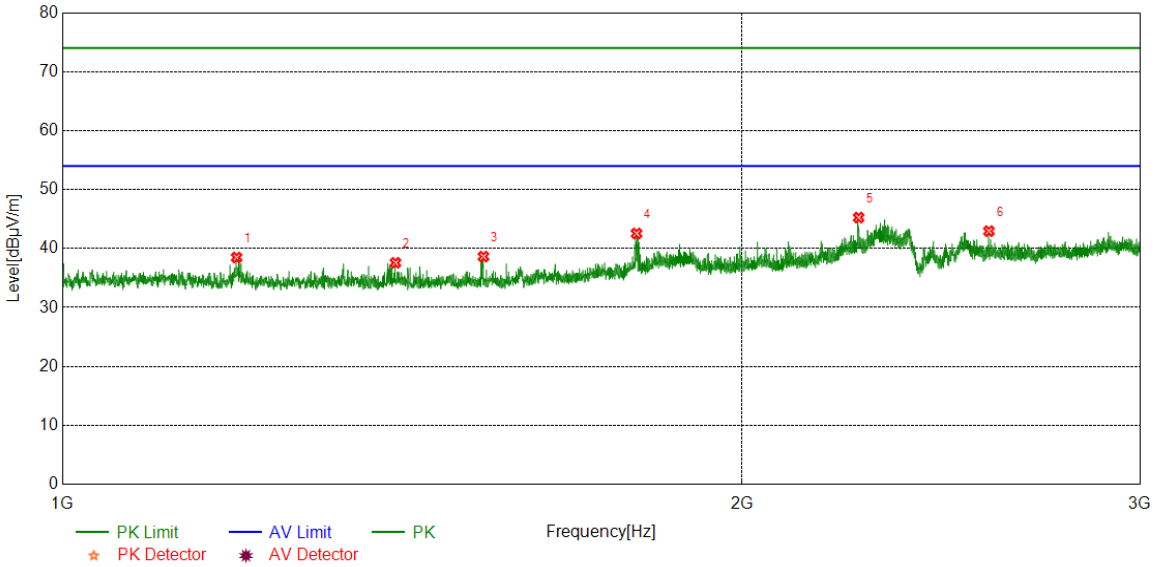
Test Mode	Channel	Puw(dBm)	Verdict
11N 20 MIMO	LCH	<Limit	PASS

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~3GHz

HARMONICS AND SPURIOUS EMISSIONS

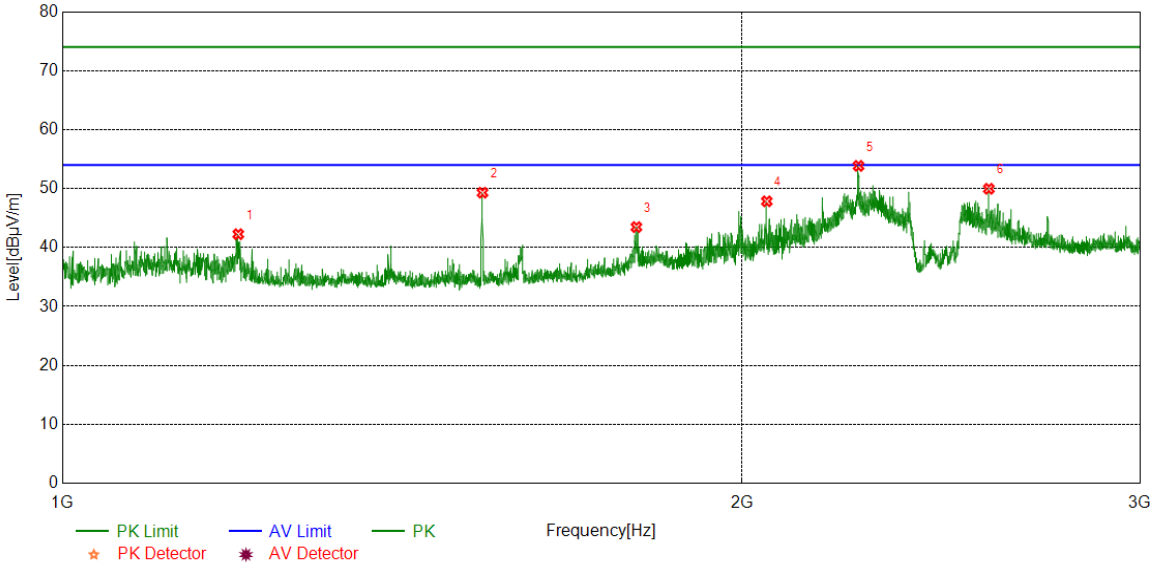
Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1194.5243	44.05	-5.57	38.48	74.00	-35.52	peak
2	1404.5506	43.10	-5.52	37.58	74.00	-36.42	peak
3	1536.3170	44.38	-5.75	38.63	74.00	-35.37	peak
4	1795.8495	46.35	-3.80	42.55	74.00	-31.45	peak
5	2252.1565	47.33	-2.08	45.25	74.00	-28.75	peak
6	2572.1965	43.78	-0.83	42.95	74.00	-31.05	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

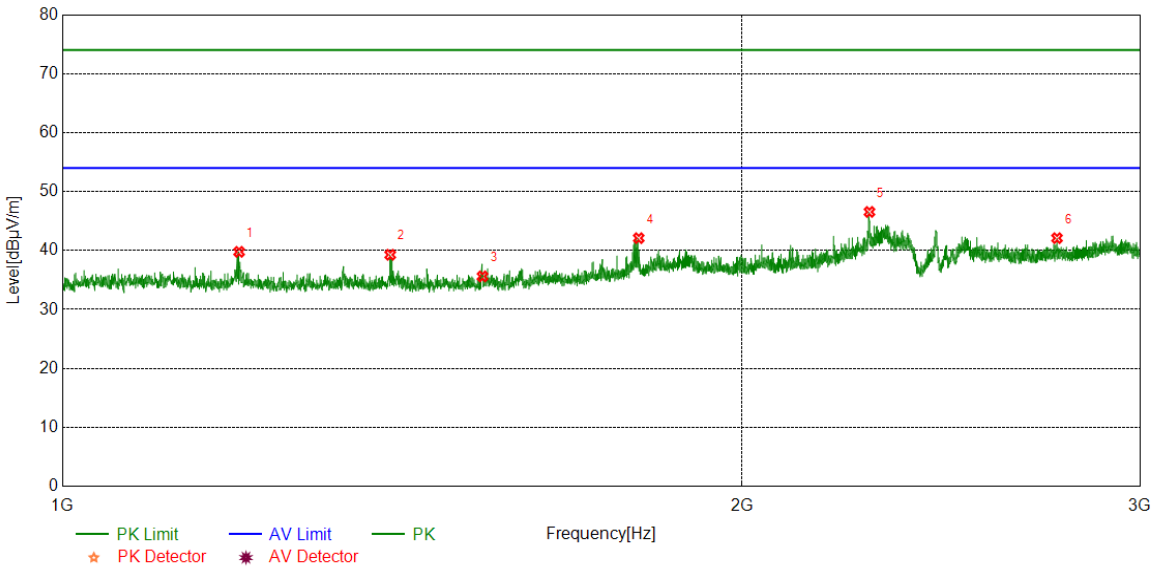
Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1196.5246	47.82	-5.56	42.26	74.00	-31.74	peak
2	1534.8169	55.06	-5.76	49.30	74.00	-24.70	peak
3	1795.5995	47.27	-3.80	43.47	74.00	-30.53	peak
4	2050.8814	50.25	-2.41	47.84	74.00	-26.16	peak
5	2251.9065	55.93	-2.08	53.85	74.00	-20.15	peak
6	2571.9465	50.79	-0.82	49.97	74.00	-24.03	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

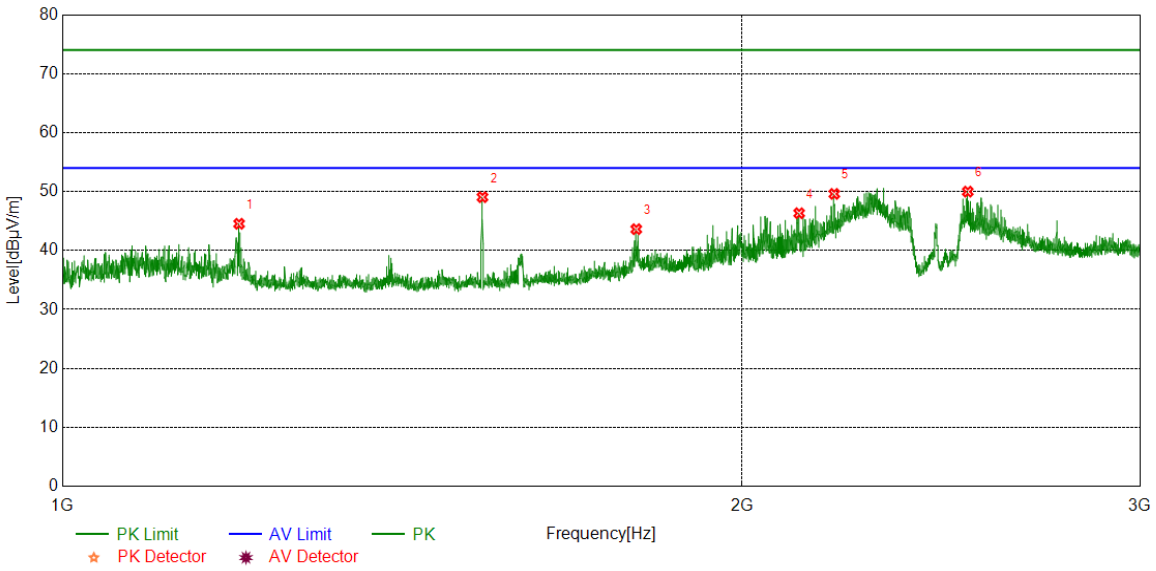
Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1197.5247	45.34	-5.56	39.78	74.00	-34.22	peak
2	1397.0496	44.97	-5.69	39.28	74.00	-34.72	peak
3	1534.8169	41.37	-5.76	35.61	74.00	-38.39	peak
4	1799.8500	45.94	-3.84	42.10	74.00	-31.90	peak
5	2277.1596	48.54	-1.99	46.55	74.00	-27.45	peak
6	2756.9696	42.43	-0.33	42.10	74.00	-31.90	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

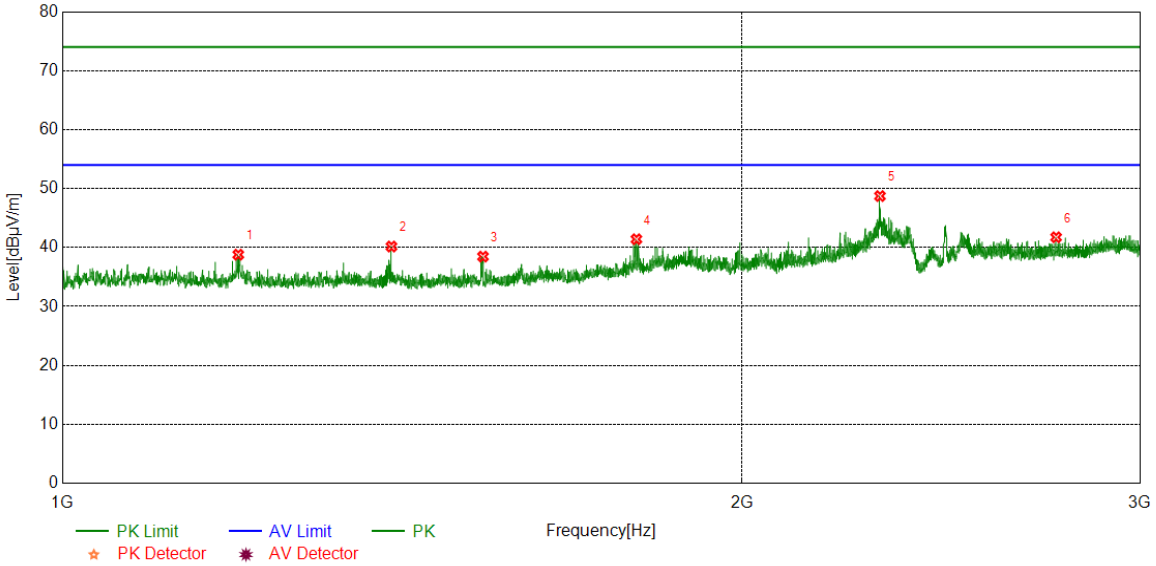
Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1197.5247	50.10	-5.56	44.54	74.00	-29.46	peak
2	1534.8169	54.81	-5.76	49.05	74.00	-24.95	peak
3	1795.3494	47.41	-3.79	43.62	74.00	-30.38	peak
4	2119.6400	48.74	-2.41	46.33	74.00	-27.67	peak
5	2196.8996	51.94	-2.33	49.61	74.00	-24.39	peak
6	2517.1896	50.33	-0.34	49.99	74.00	-24.01	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

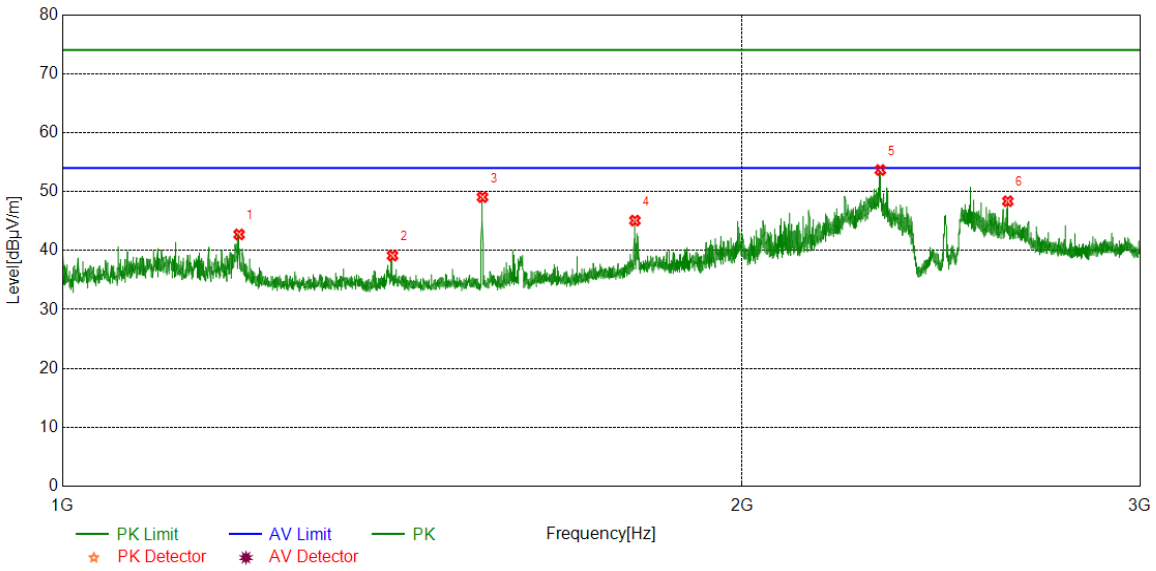
Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1196.5246	44.35	-5.56	38.79	74.00	-35.21	peak
2	1398.7999	45.84	-5.67	40.17	74.00	-33.83	peak
3	1535.5669	44.21	-5.75	38.46	74.00	-35.54	peak
4	1795.5995	45.21	-3.80	41.41	74.00	-32.59	peak
5	2301.6627	50.55	-1.82	48.73	74.00	-25.27	peak
6	2754.4693	42.11	-0.37	41.74	74.00	-32.26	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

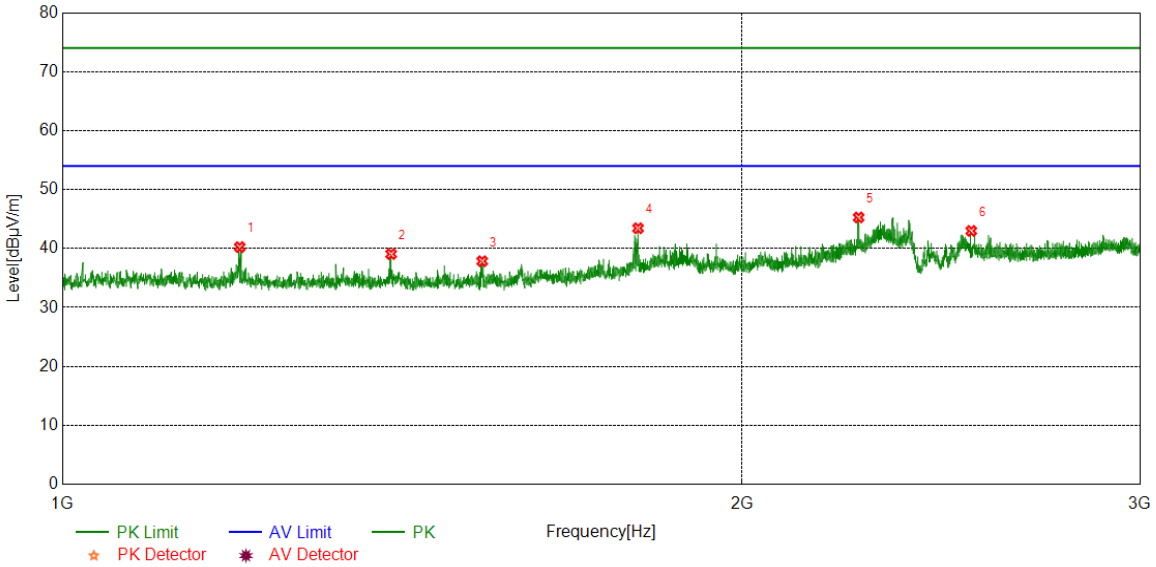
Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1197.5247	48.29	-5.56	42.73	74.00	-31.27	peak
2	1400.3000	44.79	-5.65	39.14	74.00	-34.86	peak
3	1534.8169	54.82	-5.76	49.06	74.00	-24.94	peak
4	1792.8491	48.85	-3.77	45.08	74.00	-28.92	peak
5	2302.4128	55.45	-1.80	53.65	74.00	-20.35	peak
6	2622.2028	48.67	-0.30	48.37	74.00	-25.63	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

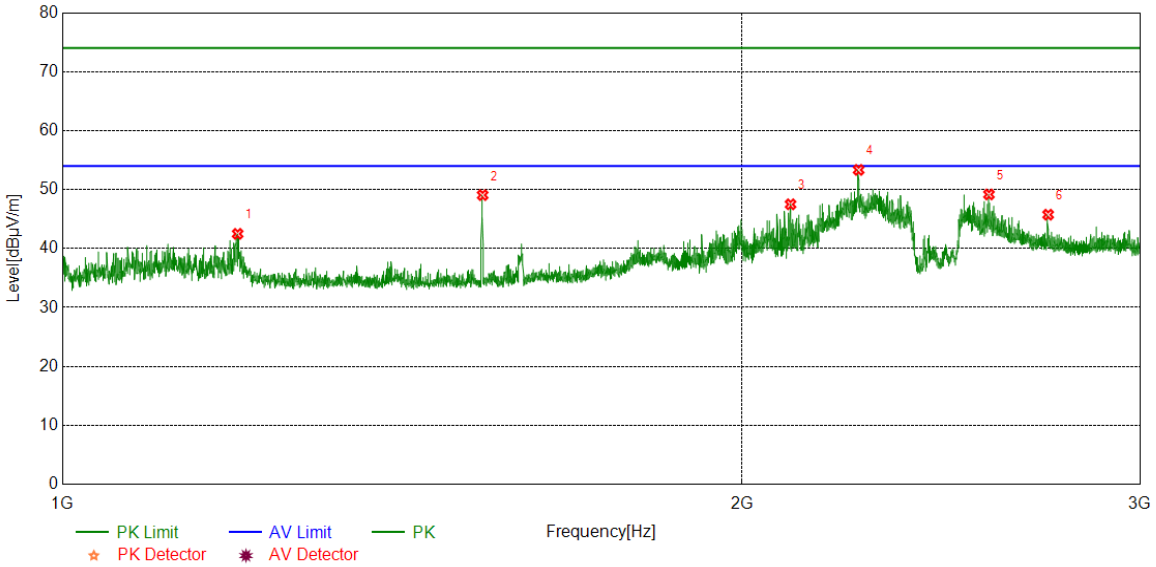
Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.2748	45.80	-5.56	40.24	74.00	-33.76	peak
2	1398.2998	44.74	-5.68	39.06	74.00	-34.94	peak
3	1534.3168	43.61	-5.76	37.85	74.00	-36.15	peak
4	1798.5998	47.27	-3.83	43.44	74.00	-30.56	peak
5	2252.1565	47.35	-2.08	45.27	74.00	-28.73	peak
6	2526.1908	43.56	-0.57	42.99	74.00	-31.01	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

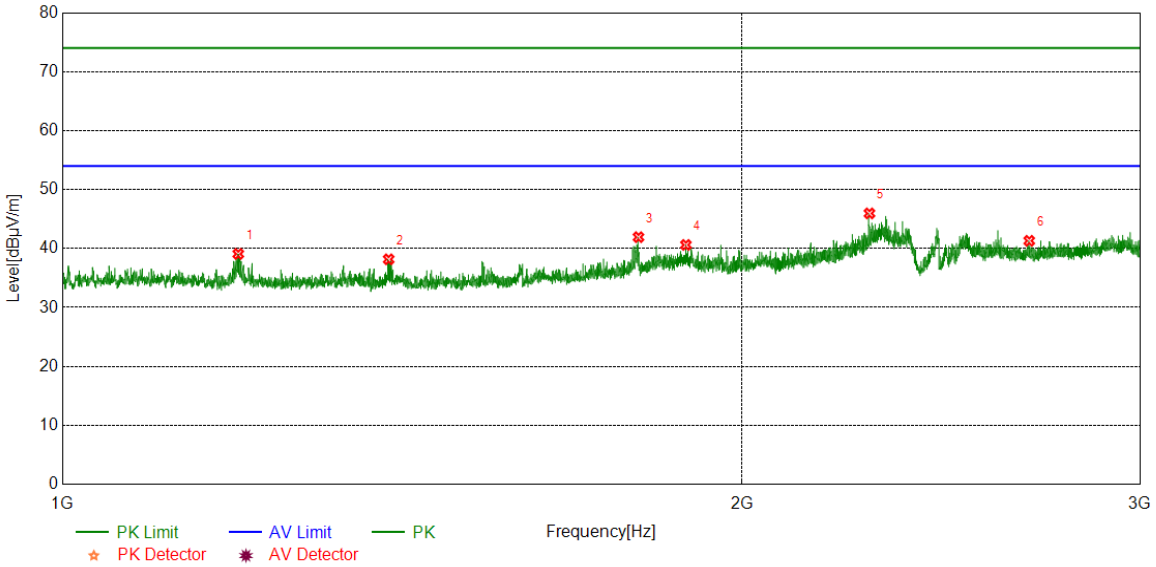
Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1195.7745	48.05	-5.56	42.49	74.00	-31.51	peak
2	1535.0669	54.82	-5.76	49.06	74.00	-24.94	peak
3	2101.1376	50.01	-2.51	47.50	74.00	-26.50	peak
4	2252.1565	55.42	-2.08	53.34	74.00	-20.66	peak
5	2572.1965	50.00	-0.83	49.17	74.00	-24.83	peak
6	2732.2165	46.23	-0.49	45.74	74.00	-28.26	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

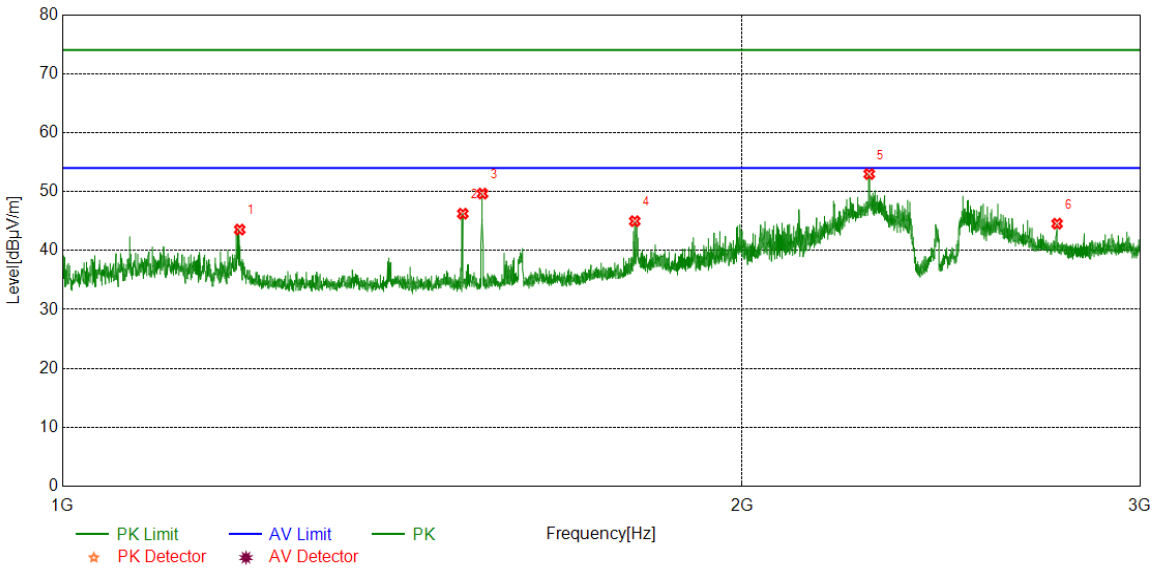
Test Mode	Channel	Polarization	Verdict
11G	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1196.5246	44.64	-5.56	39.08	74.00	-34.92	peak
2	1394.7994	43.89	-5.72	38.17	74.00	-35.83	peak
3	1799.3499	45.77	-3.84	41.93	74.00	-32.07	peak
4	1888.6111	44.19	-3.58	40.61	74.00	-33.39	peak
5	2277.1596	47.95	-1.99	45.96	74.00	-28.04	peak
6	2679.9600	41.97	-0.66	41.31	74.00	-32.69	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

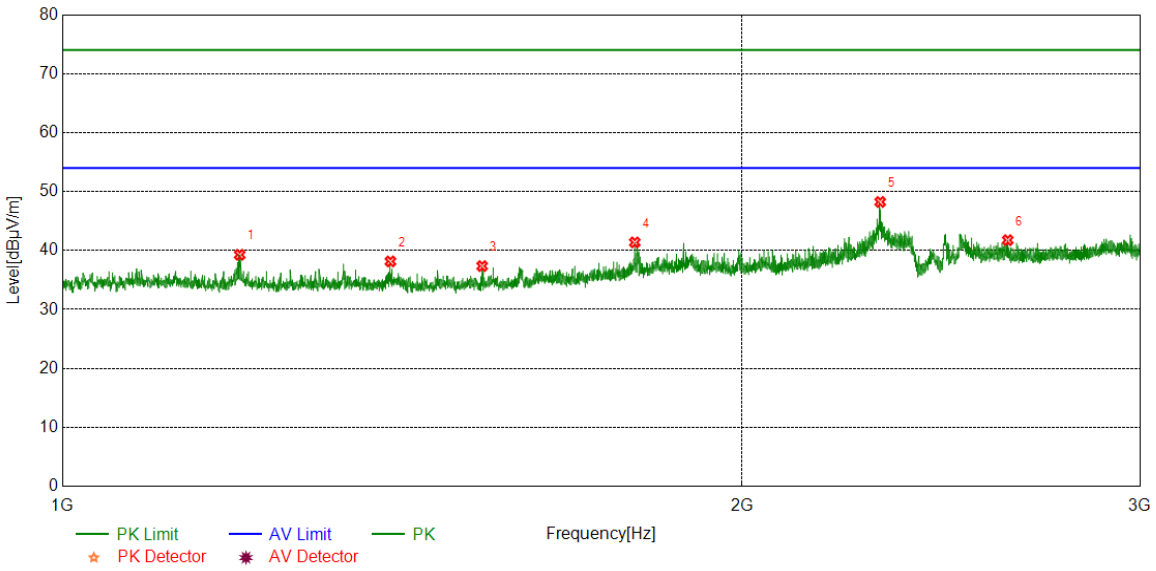
Test Mode	Channel	Polarization	Verdict
11G	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.2748	49.11	-5.56	43.55	74.00	-30.45	peak
2	1504.3130	52.12	-5.87	46.25	74.00	-27.75	peak
3	1534.8169	55.42	-5.76	49.66	74.00	-24.34	peak
4	1792.5991	48.74	-3.76	44.98	74.00	-29.02	peak
5	2276.6596	54.97	-1.99	52.98	74.00	-21.02	peak
6	2757.2197	44.88	-0.32	44.56	74.00	-29.44	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

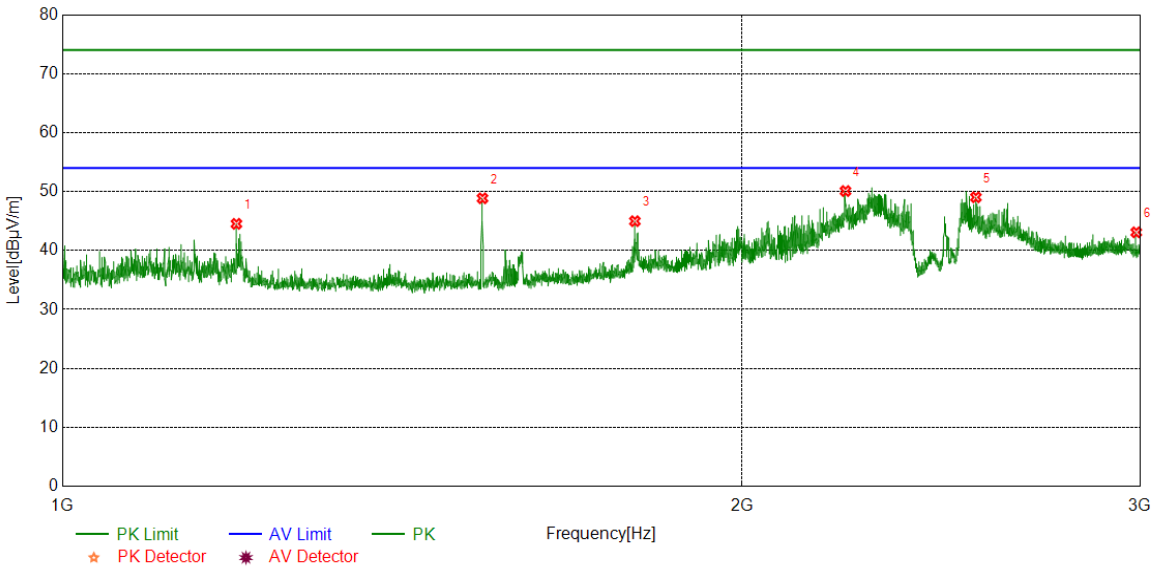
Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.2748	44.84	-5.56	39.28	74.00	-34.72	peak
2	1397.2997	43.84	-5.69	38.15	74.00	-35.85	peak
3	1534.3168	43.12	-5.76	37.36	74.00	-36.64	peak
4	1792.5991	45.14	-3.76	41.38	74.00	-32.62	peak
5	2302.1628	50.05	-1.81	48.24	74.00	-25.76	peak
6	2621.9527	42.04	-0.28	41.76	74.00	-32.24	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

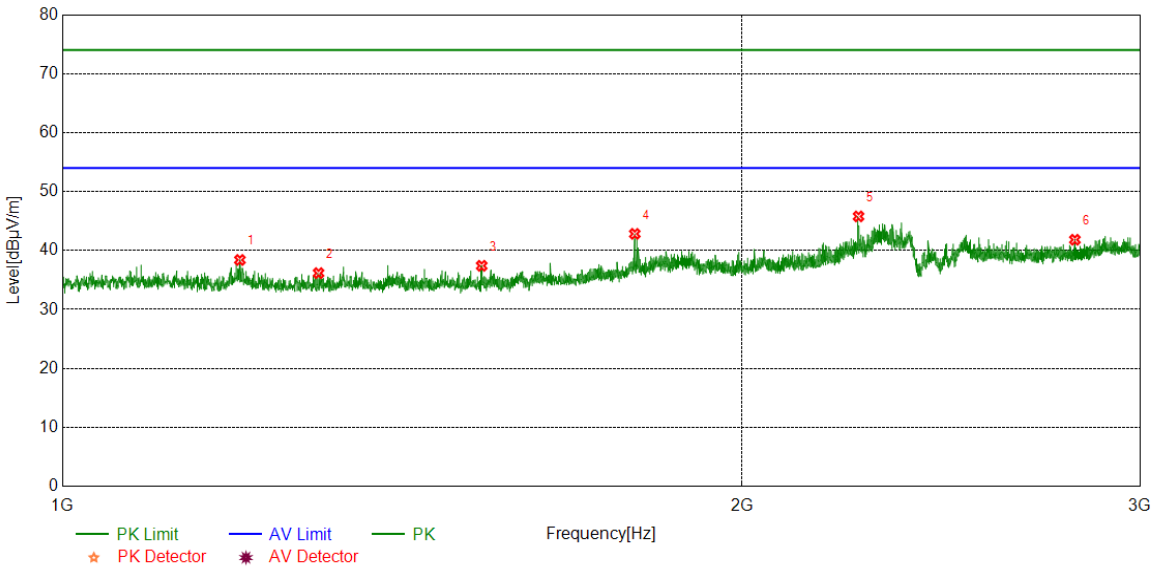
Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1194.2743	50.10	-5.57	44.53	74.00	-29.47	peak
2	1534.8169	54.62	-5.76	48.86	74.00	-25.14	peak
3	1792.8491	48.75	-3.77	44.98	74.00	-29.02	peak
4	2222.1528	52.30	-2.21	50.09	74.00	-23.91	peak
5	2538.1923	49.95	-0.92	49.03	74.00	-24.97	peak
6	2988.9986	42.24	0.85	43.09	74.00	-30.91	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

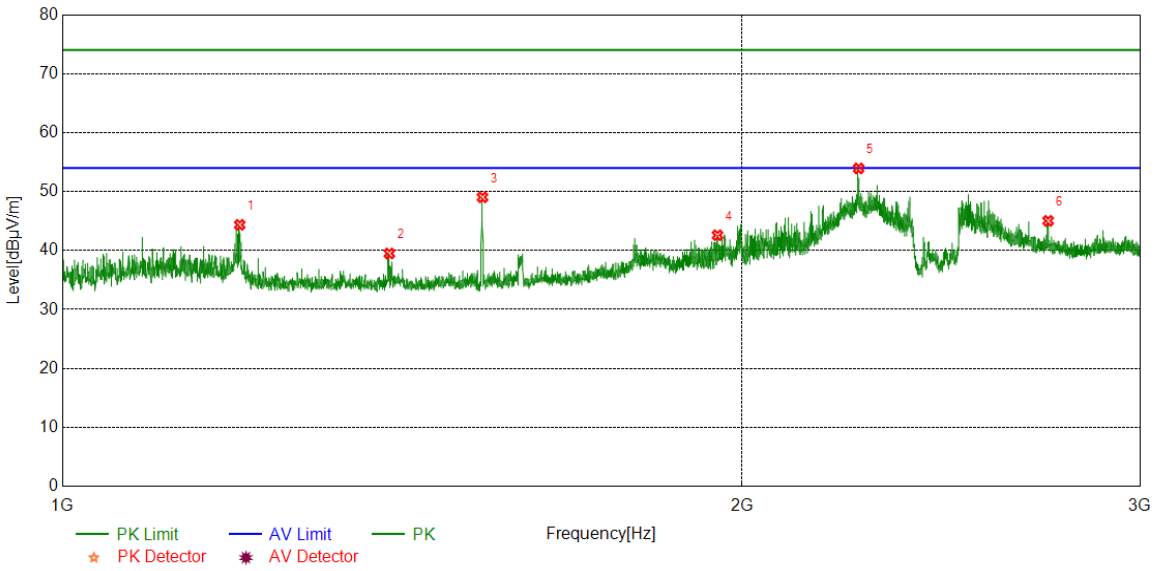
Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.5248	43.96	-5.56	38.40	74.00	-35.60	peak
2	1298.5373	41.99	-5.82	36.17	74.00	-37.83	peak
3	1533.5667	43.17	-5.76	37.41	74.00	-36.59	peak
4	1792.5991	46.59	-3.76	42.83	74.00	-31.17	peak
5	2251.9065	47.87	-2.08	45.79	74.00	-28.21	peak
6	2807.7260	42.07	-0.24	41.83	74.00	-32.17	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

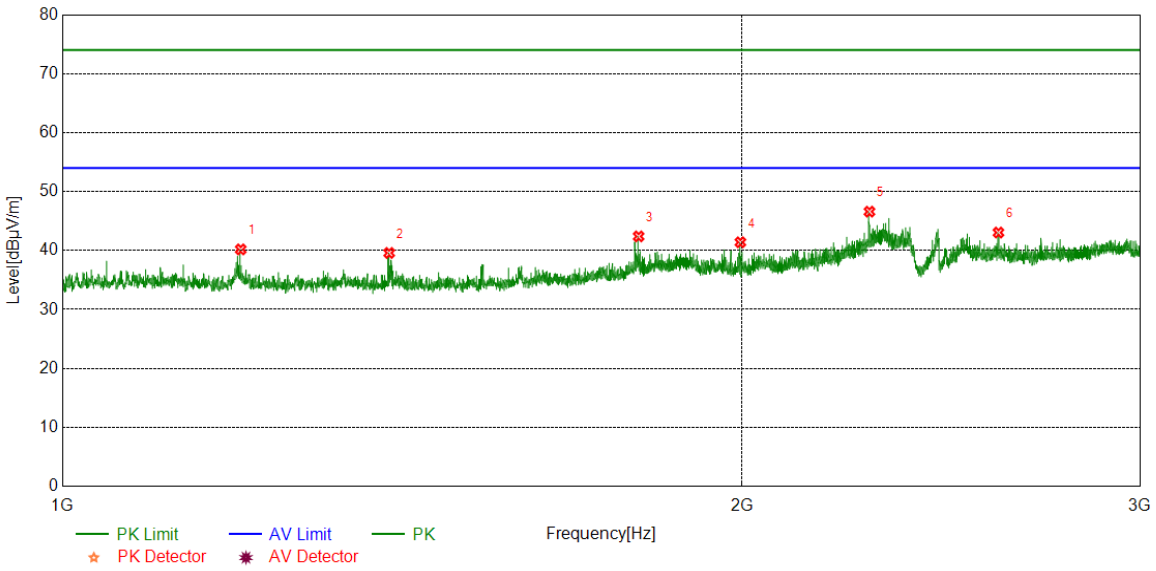
Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.2748	49.92	-5.56	44.36	74.00	-29.64	peak
2	1395.7995	45.21	-5.71	39.50	74.00	-34.50	peak
3	1534.8169	54.79	-5.76	49.03	74.00	-24.97	peak
4	1950.3688	45.49	-2.90	42.59	74.00	-31.41	peak
5	2252.1565	56.01	-2.08	53.93	74.00	-20.07	peak
6	2732.2165	45.52	-0.49	45.03	74.00	-28.97	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

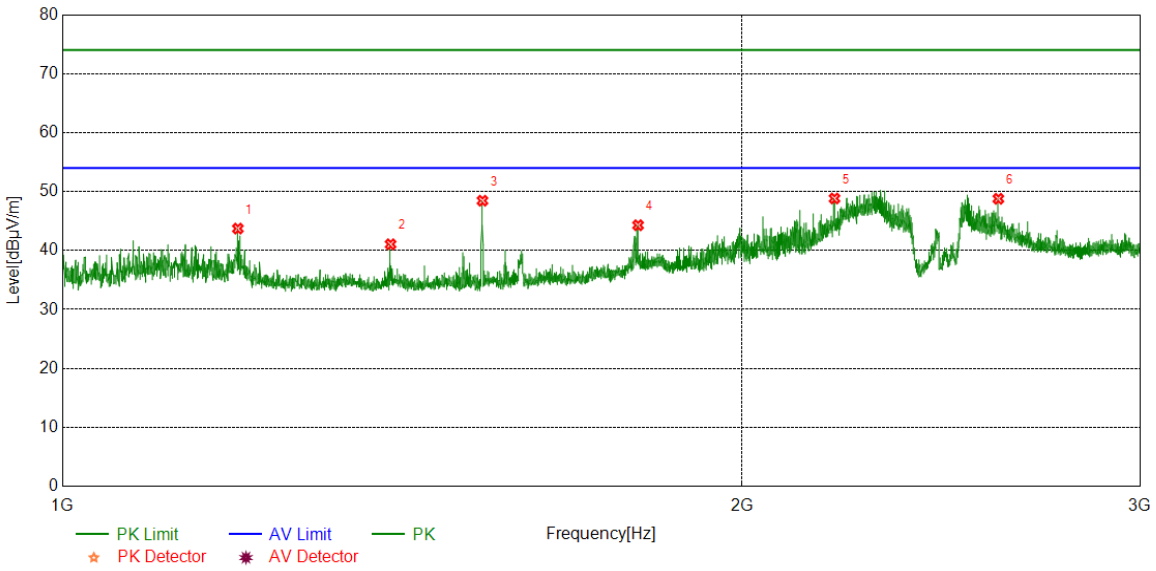
Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1199.5249	45.75	-5.56	40.19	74.00	-33.81	peak
2	1395.5494	45.30	-5.71	39.59	74.00	-34.41	peak
3	1799.6000	46.24	-3.84	42.40	74.00	-31.60	peak
4	1996.3745	44.43	-3.03	41.40	74.00	-32.60	peak
5	2277.1596	48.59	-1.99	46.60	74.00	-27.40	peak
6	2597.1997	43.78	-0.73	43.05	74.00	-30.95	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

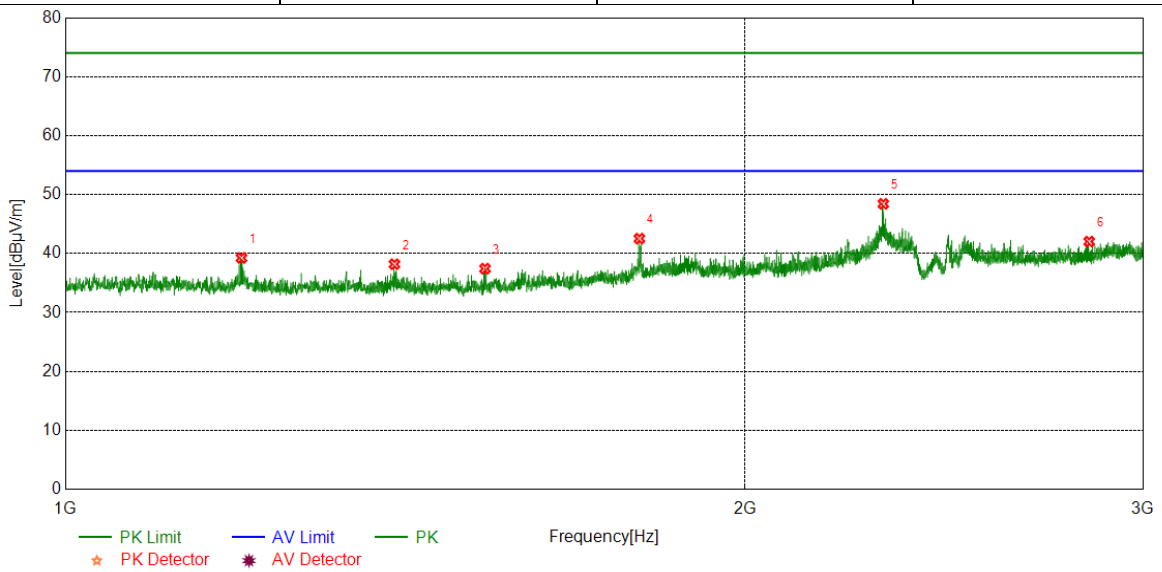
Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1196.0245	49.28	-5.56	43.72	74.00	-30.28	peak
2	1397.5497	46.74	-5.68	41.06	74.00	-32.94	peak
3	1534.8169	54.21	-5.76	48.45	74.00	-25.55	peak
4	1798.5998	48.12	-3.83	44.29	74.00	-29.71	peak
5	2197.3997	51.16	-2.33	48.83	74.00	-25.17	peak
6	2596.9496	49.52	-0.74	48.78	74.00	-25.22	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

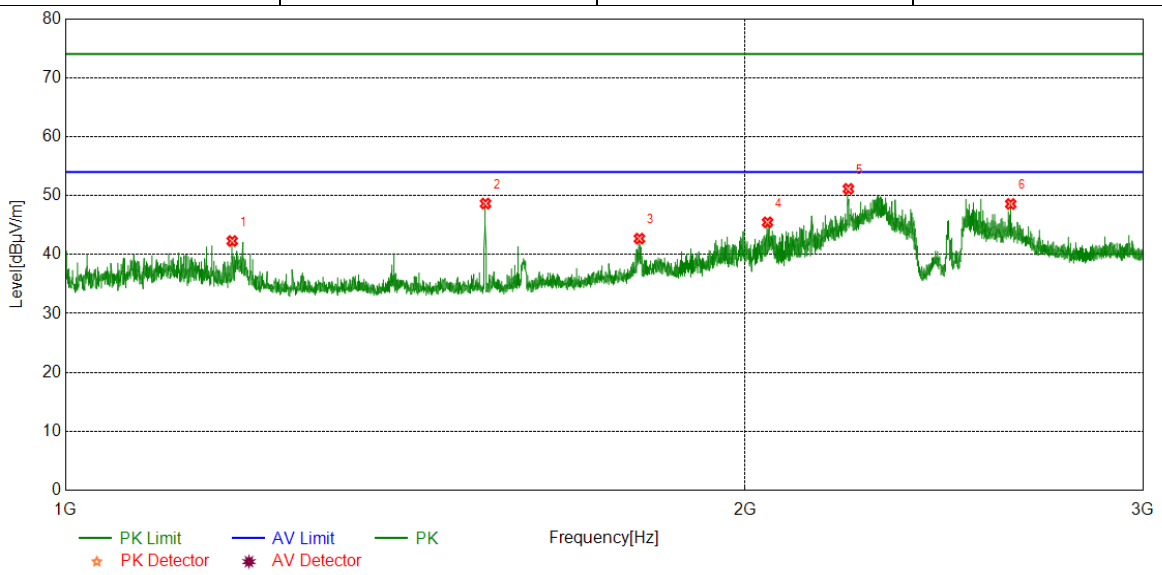
Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1196.7746	44.81	-5.56	39.25	74.00	-34.75	peak
2	1398.7999	43.85	-5.67	38.18	74.00	-35.82	peak
3	1534.0668	43.19	-5.76	37.43	74.00	-36.57	peak
4	1795.5995	46.33	-3.80	42.53	74.00	-31.47	peak
5	2302.4128	50.23	-1.80	48.43	74.00	-25.57	peak
6	2840.2300	41.90	0.13	42.03	74.00	-31.97	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

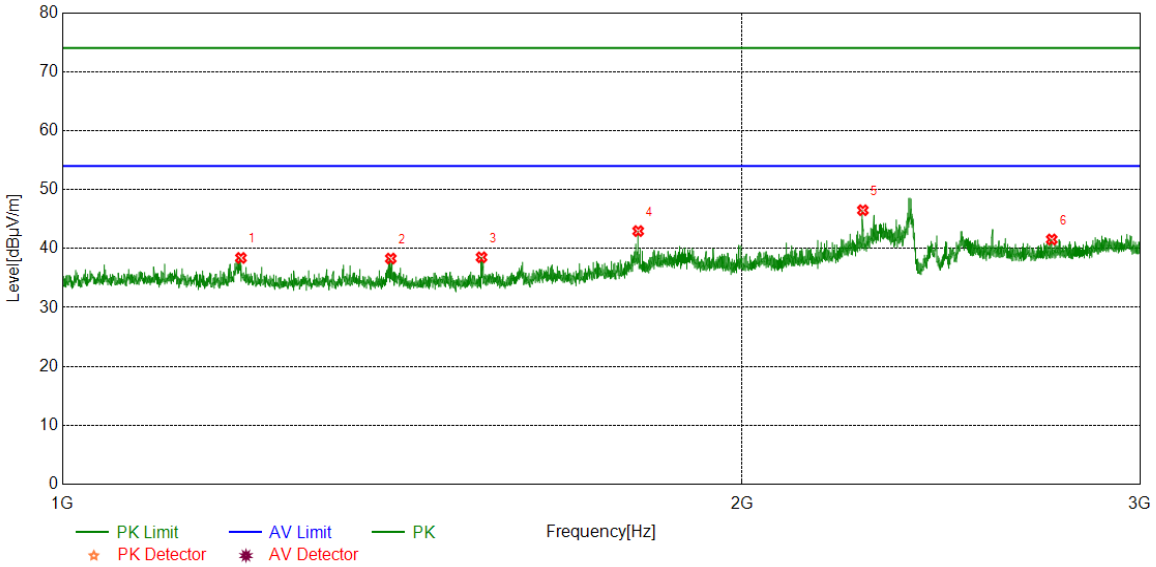
Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1185.5232	47.91	-5.62	42.29	74.00	-31.71	peak
2	1534.8169	54.40	-5.76	48.64	74.00	-25.36	peak
3	1795.5995	46.50	-3.80	42.70	74.00	-31.30	peak
4	2046.1308	47.85	-2.39	45.46	74.00	-28.54	peak
5	2221.9027	53.35	-2.21	51.14	74.00	-22.86	peak
6	2621.9527	48.85	-0.28	48.57	74.00	-25.43	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

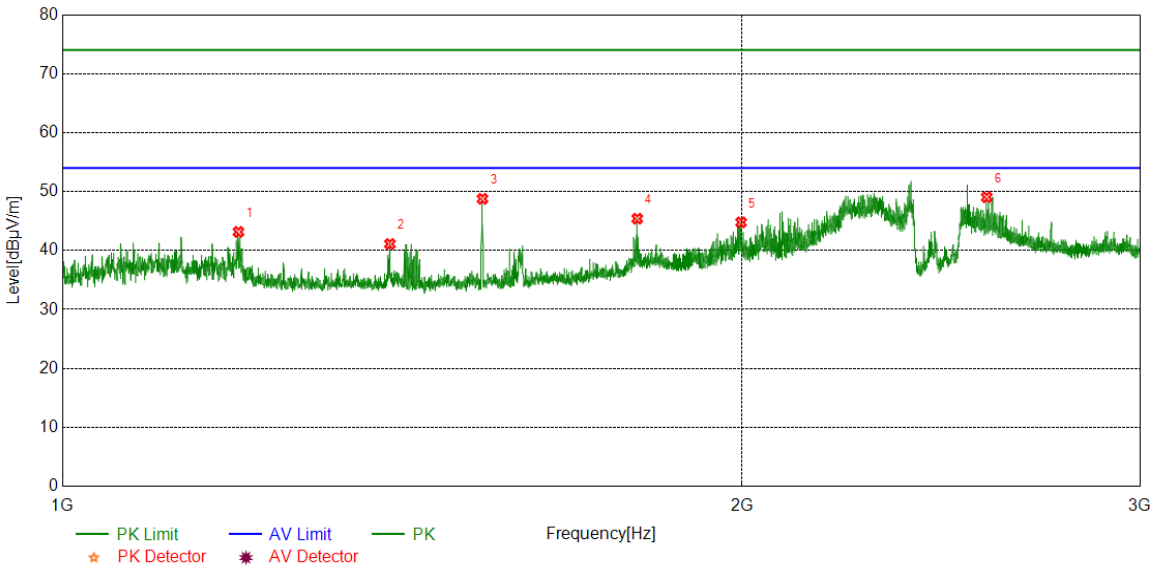
Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1199.7750	43.96	-5.56	38.40	74.00	-35.60	peak
2	1397.7997	43.98	-5.68	38.30	74.00	-35.70	peak
3	1533.3167	44.27	-5.76	38.51	74.00	-35.49	peak
4	1798.8499	46.79	-3.83	42.96	74.00	-31.04	peak
5	2261.9077	48.61	-2.11	46.50	74.00	-27.50	peak
6	2742.2178	41.99	-0.45	41.54	74.00	-32.46	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

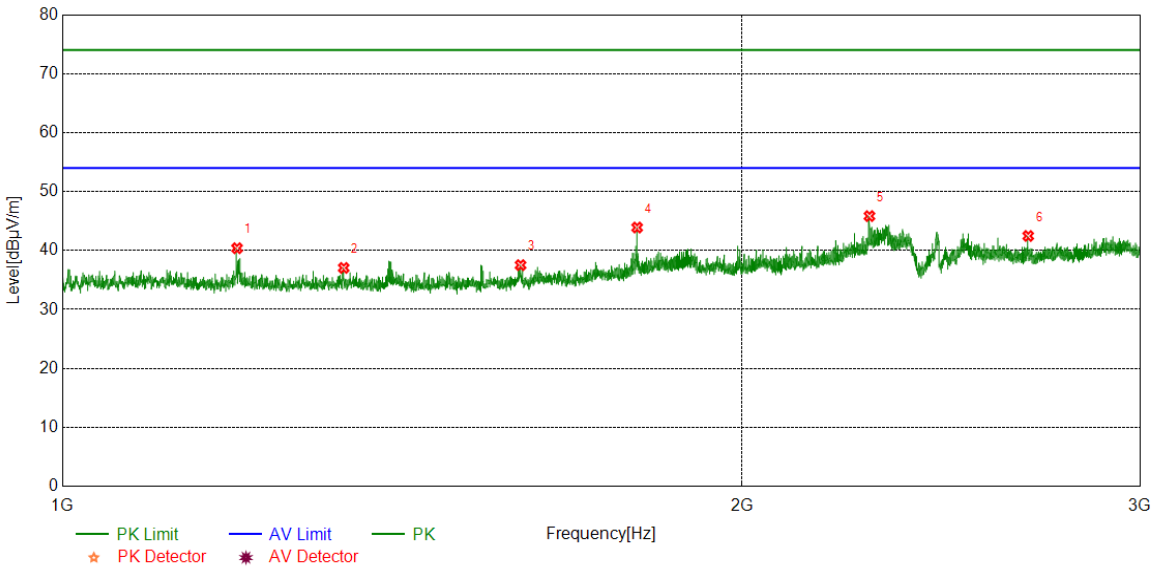
Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1196.7746	48.72	-5.56	43.16	74.00	-30.84	peak
2	1396.5496	46.82	-5.70	41.12	74.00	-32.88	peak
3	1534.8169	54.53	-5.76	48.77	74.00	-25.23	peak
4	1797.0996	49.21	-3.81	45.40	74.00	-28.60	peak
5	1997.8747	47.79	-3.01	44.78	74.00	-29.22	peak
6	2566.1958	49.90	-0.86	49.04	74.00	-24.96	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

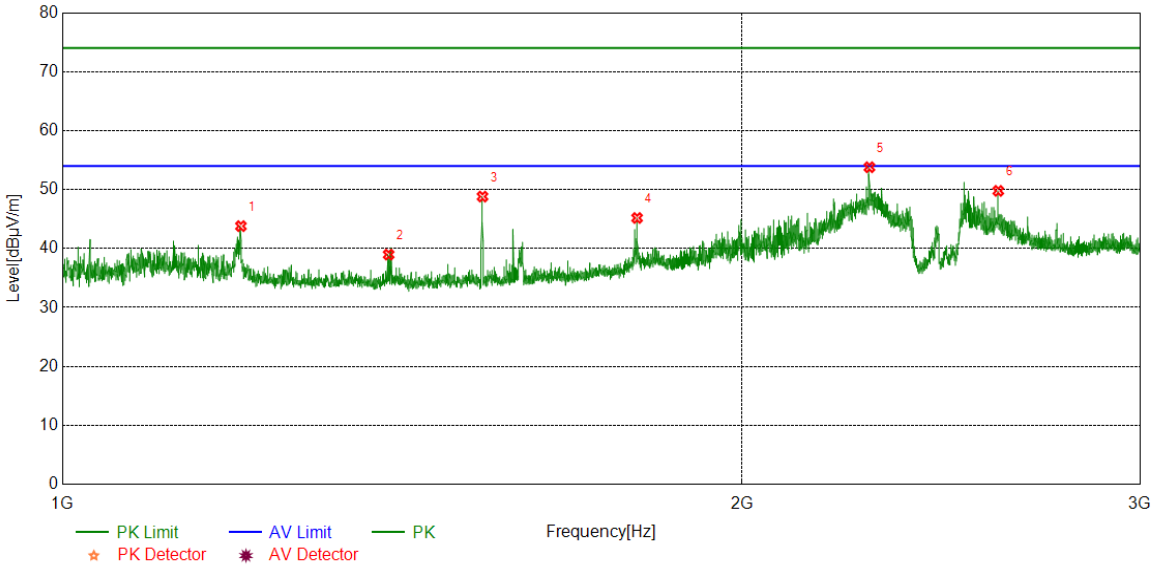
Test Mode	Channel	Polarization	Verdict
11N HT40	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1195.0244	45.96	-5.57	40.39	74.00	-33.61	peak
2	1332.2915	42.73	-5.68	37.05	74.00	-36.95	peak
3	1595.5744	42.60	-5.08	37.52	74.00	-36.48	peak
4	1796.8496	47.71	-3.81	43.90	74.00	-30.10	peak
5	2277.1596	47.83	-1.99	45.84	74.00	-28.16	peak
6	2677.2097	43.15	-0.68	42.47	74.00	-31.53	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

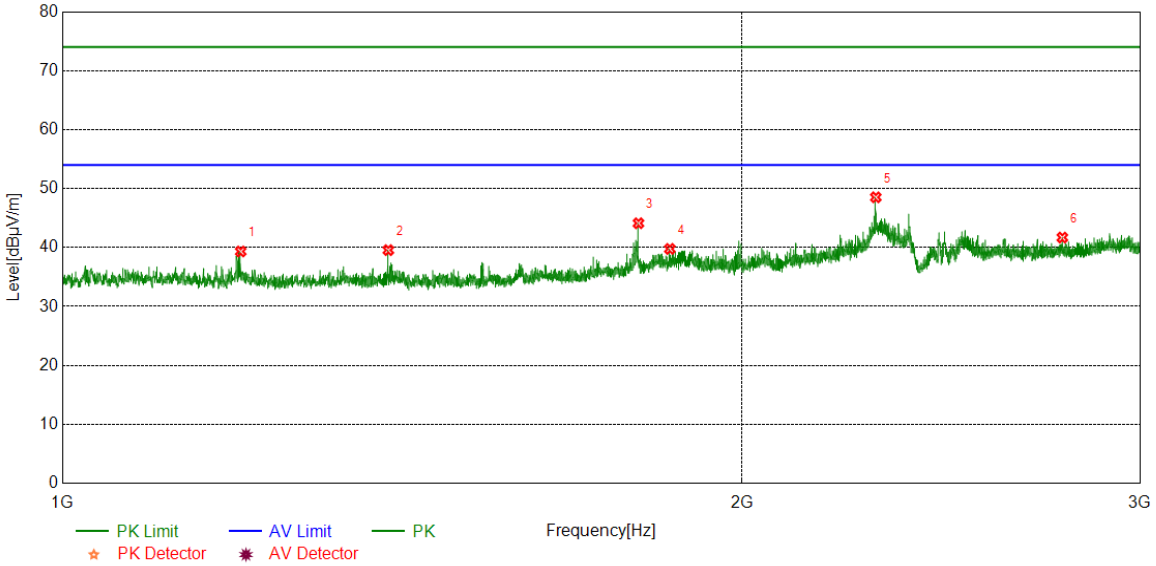
Test Mode	Channel	Polarization	Verdict
11N HT40	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1199.7750	49.36	-5.56	43.80	74.00	-30.20	peak
2	1394.7994	44.69	-5.72	38.97	74.00	-35.03	peak
3	1534.8169	54.57	-5.76	48.81	74.00	-25.19	peak
4	1796.8496	48.99	-3.81	45.18	74.00	-28.82	peak
5	2277.1596	55.78	-1.99	53.79	74.00	-20.21	peak
6	2596.6996	50.52	-0.74	49.78	74.00	-24.22	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

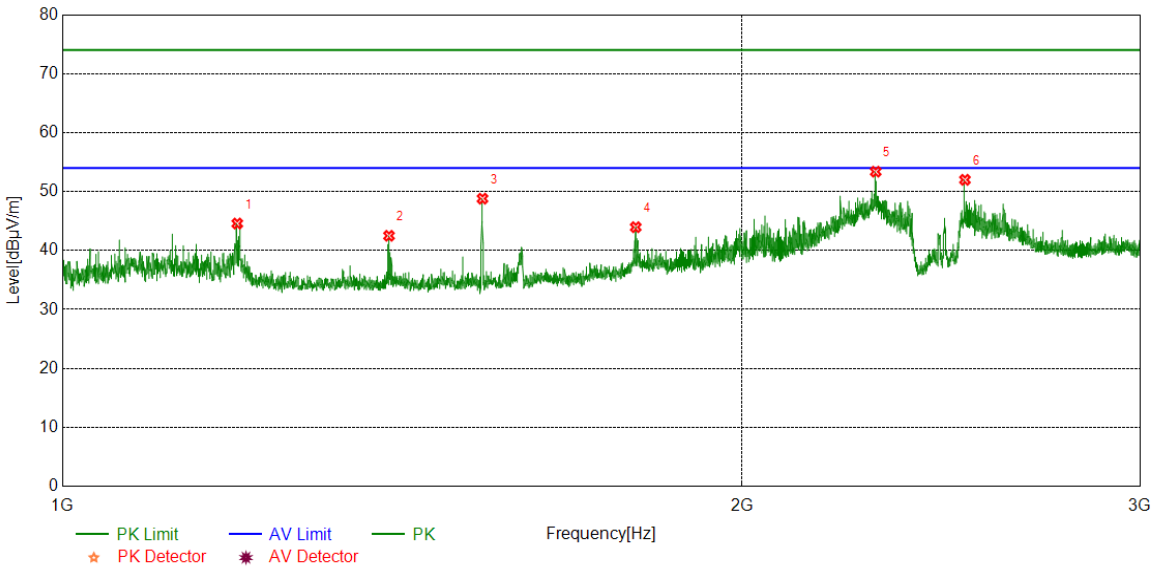
Test Mode	Channel	Polarization	Verdict
11N HT40	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1199.5249	44.89	-5.56	39.33	74.00	-34.67	peak
2	1394.2993	45.29	-5.73	39.56	74.00	-34.44	peak
3	1799.3499	47.96	-3.84	44.12	74.00	-29.88	peak
4	1857.8572	43.45	-3.68	39.77	74.00	-34.23	peak
5	2291.9115	50.44	-1.92	48.52	74.00	-25.48	peak
6	2771.9715	41.91	-0.22	41.69	74.00	-32.31	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. 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
11N HT40	HCH	Vertical	PASS



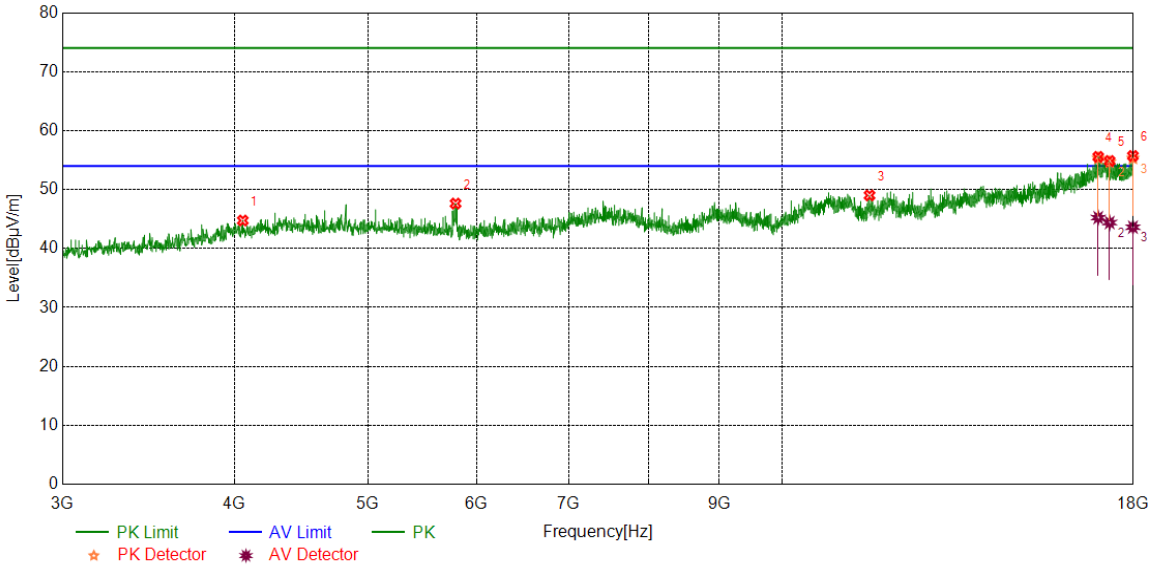
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1195.2744	50.15	-5.57	44.58	74.00	-29.42	peak
2	1395.2994	48.21	-5.71	42.50	74.00	-31.50	peak
3	1534.8169	54.56	-5.76	48.80	74.00	-25.20	peak
4	1794.3493	47.74	-3.78	43.96	74.00	-30.04	peak
5	2291.6615	55.30	-1.92	53.38	74.00	-20.62	peak
6	2509.9387	52.39	-0.39	52.00	74.00	-22.00	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.1.
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses
. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Part II: 3GHz~18GHz

HARMONICS AND SPURIOUS EMISSIONS

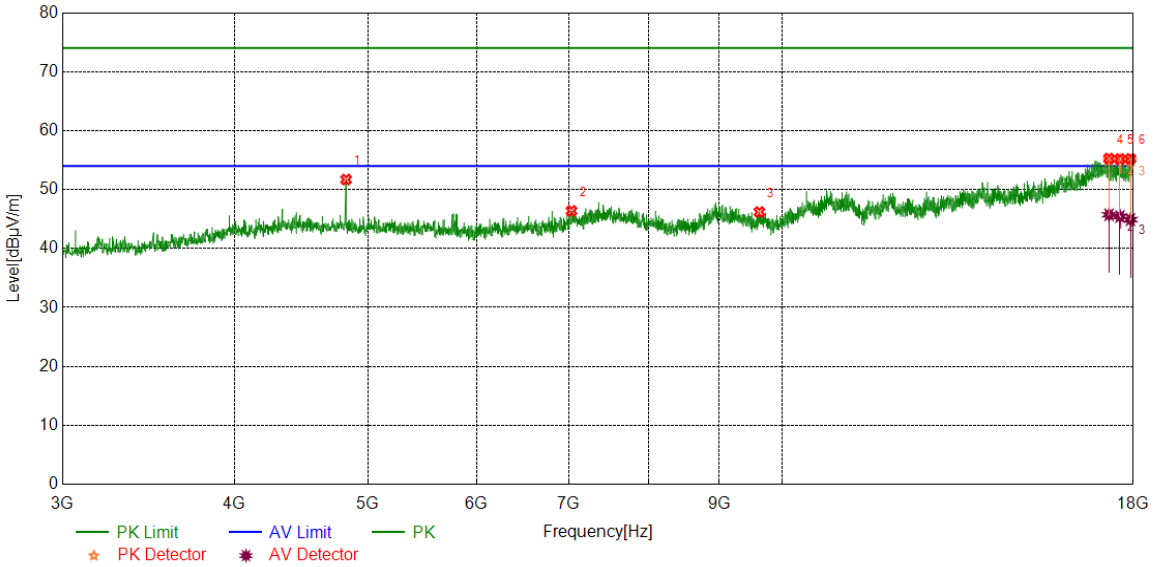
Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4057.6322	40.50	4.25	44.75	74.00	-29.25	peak
2	5792.2240	42.36	5.27	47.63	74.00	-26.37	peak
3	11577.3222	37.86	11.15	49.01	74.00	-24.99	peak
4	16972.3715	37.04	18.52	55.56	74.00	-18.44	peak
		26.72	18.52	45.24	54.00	-8.76	average
5	17300.5376	37.14	17.72	54.86	74.00	-19.14	peak
		26.68	17.72	44.40	54.00	-9.60	average
6	17986.8734	38.02	17.69	55.71	74.00	-18.29	peak
		25.93	17.69	43.62	54.00	-10.38	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

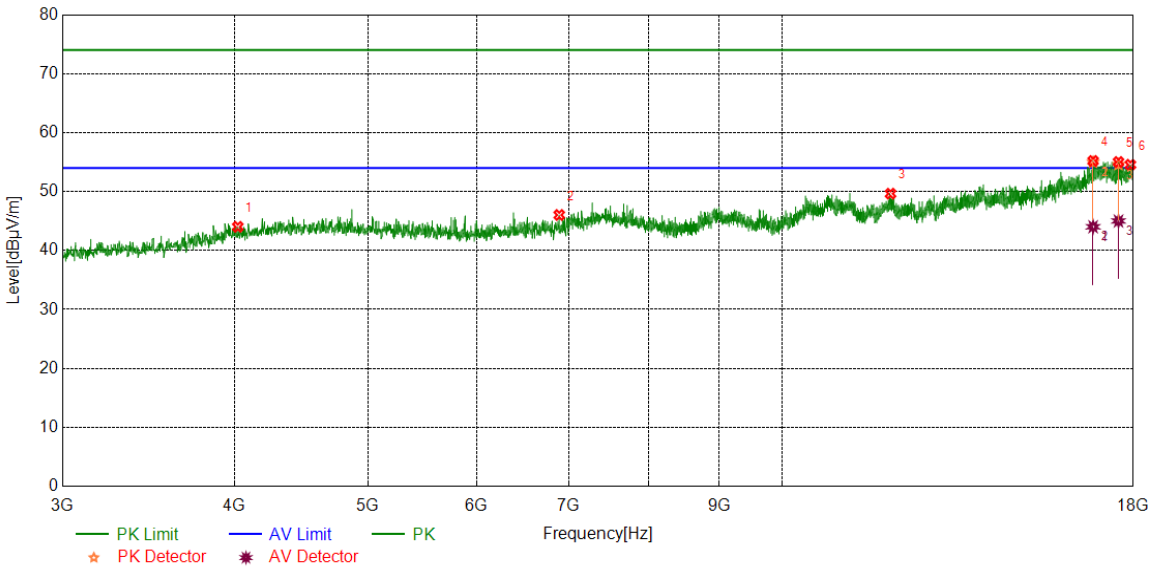
Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4822.7278	46.35	5.35	51.70	74.00	-22.30	peak
2	7031.7540	38.25	8.13	46.38	74.00	-27.62	peak
3	9628.9536	37.68	8.51	46.19	74.00	-27.81	peak
4	17281.7852	37.64	17.63	55.27	74.00	-18.73	peak
		28.10	17.63	45.73	54.00	-8.27	average
5	17600.5751	37.69	17.49	55.18	74.00	-18.82	peak
		27.94	17.49	45.43	54.00	-8.57	average
6	17913.7392	37.13	18.09	55.22	74.00	-18.78	peak
		26.81	18.09	44.90	54.00	-9.10	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

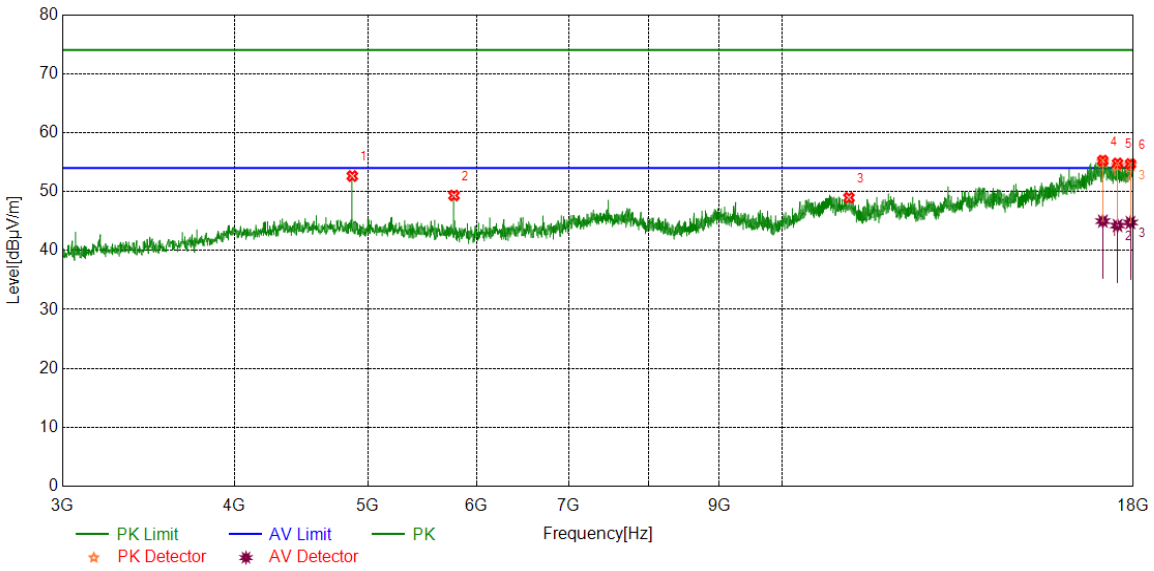
Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4023.8780	39.58	4.44	44.02	74.00	-29.98	peak
2	6889.2362	37.86	8.17	46.03	74.00	-27.97	peak
3	11991.7490	36.75	12.90	49.65	74.00	-24.35	peak
4	16827.9785	37.85	17.35	55.20	74.00	-18.80	peak
		26.68	17.35	44.03	54.00	-9.97	average
5	17557.4447	37.08	17.94	55.02	74.00	-18.98	peak
		26.76	17.35	44.11	54.00	-9.89	average
6	17911.864	36.36	18.19	54.55	74.00	-19.45	peak
		27.07	17.94	45.01	54.00	-8.99	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

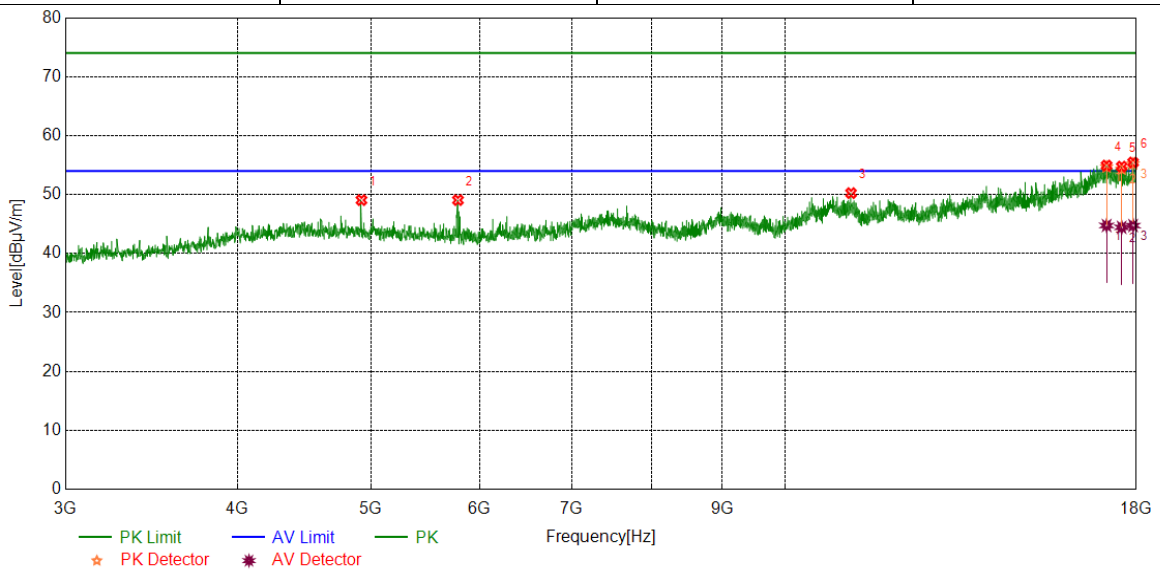
Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4873.3592	47.32	5.32	52.64	74.00	-21.36	peak
2	5777.2222	44.03	5.31	49.34	74.00	-24.66	peak
3	11185.3982	37.00	11.96	48.96	74.00	-25.04	peak
4	17103.638	37.03	18.22	55.25	74.00	-18.75	peak
		26.76	18.22	44.98	54.00	-9.02	average
5	17529.3162	36.86	17.91	54.77	74.00	-19.23	peak
		26.34	17.91	44.25	54.00	-9.75	average
6	17913.7392	36.60	18.09	54.69	74.00	-19.31	peak
		26.66	18.09	44.75	54.00	-9.25	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

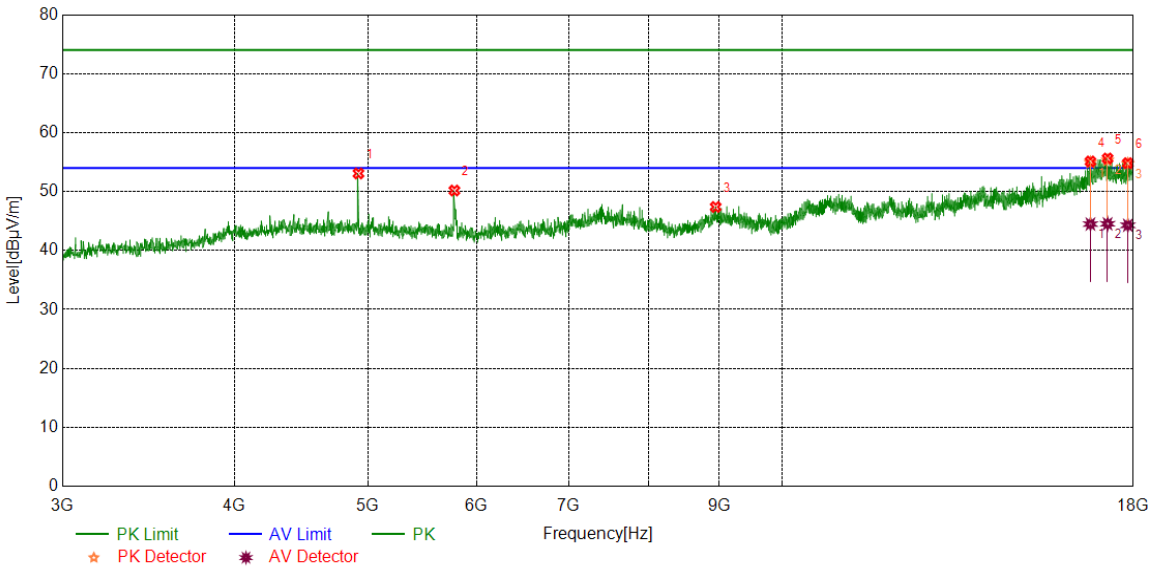
Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4923.9905	43.88	5.18	49.06	74.00	-24.94	peak
2	5786.5983	43.81	5.25	49.06	74.00	-24.94	peak
3	11168.5211	38.29	11.96	50.25	74.00	-23.75	peak
4	17126.1408	36.94	17.98	54.92	74.00	-19.08	peak
		26.77	17.98	44.75	54.00	-9.25	average
5	17563.0704	36.78	17.97	54.75	74.00	-19.25	peak
		26.47	17.97	44.44	54.00	-9.56	average
6	17902.4878	37.08	18.37	55.45	74.00	-18.55	peak
		26.37	18.37	44.74	54.00	-9.26	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

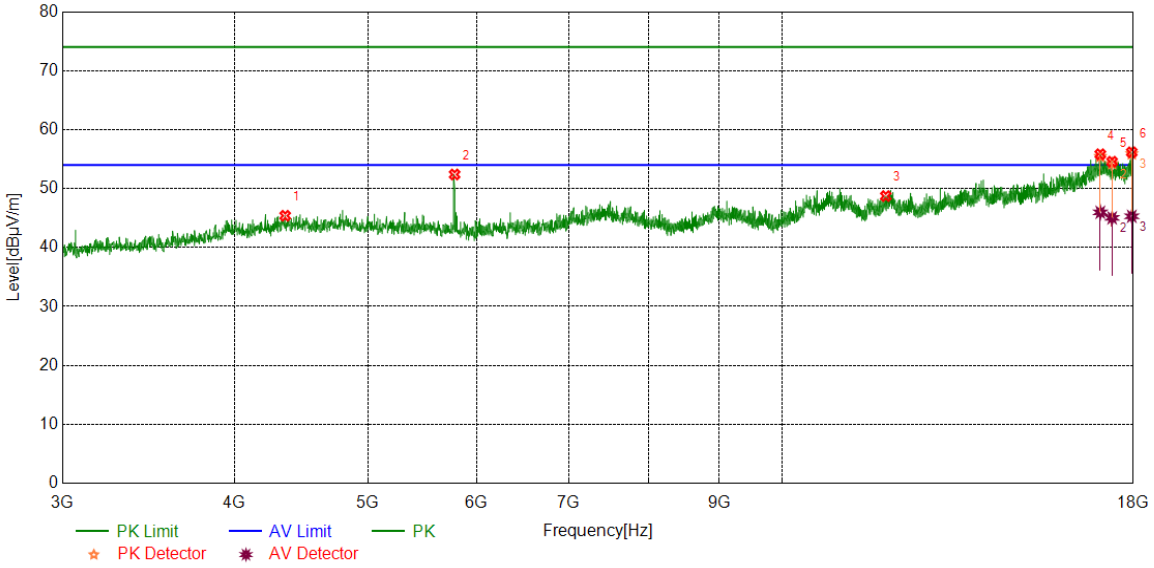
Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4923.9905	47.89	5.18	53.07	74.00	-20.93	peak
2	5780.9726	44.89	5.29	50.18	74.00	-23.82	peak
3	8950.1188	38.32	9.07	47.39	74.00	-26.61	peak
4	16752.9691	37.62	17.49	55.11	74.00	-18.89	peak
		27.00	17.49	44.49	54.00	-9.51	average
5	17240.5301	37.74	17.88	55.62	74.00	-18.38	peak
		26.65	17.88	44.53	54.00	-9.47	average
6	17834.9794	36.71	18.11	54.82	74.00	-19.18	peak
		26.17	18.11	44.28	54.00	-9.72	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

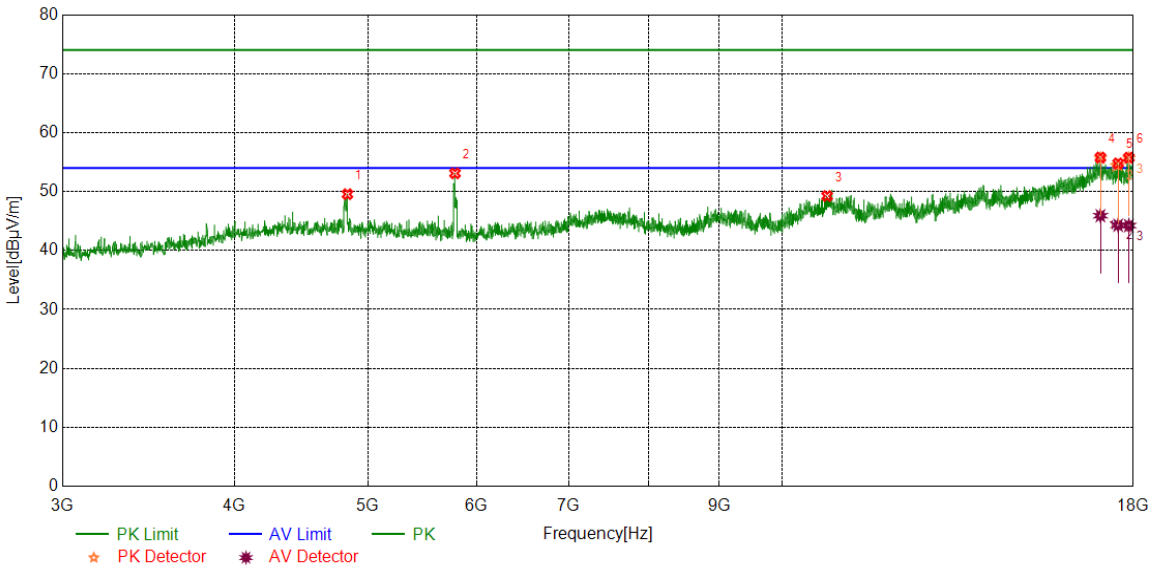
Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4355.7945	40.29	5.10	45.39	74.00	-28.61	peak
2	5782.8479	47.12	5.27	52.39	74.00	-21.61	peak
3	11896.1120	36.30	12.43	48.73	74.00	-25.27	peak
4	17032.379	36.82	19.00	55.82	74.00	-18.18	peak
		26.97	19.00	45.97	54.00	-8.03	average
5	17371.7965	36.04	18.52	54.56	74.00	-19.44	peak
		26.51	18.52	45.03	54.00	-8.97	average
6	17953.1191	37.62	18.54	56.16	74.00	-17.84	peak
		26.76	18.54	45.30	54.00	-8.70	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

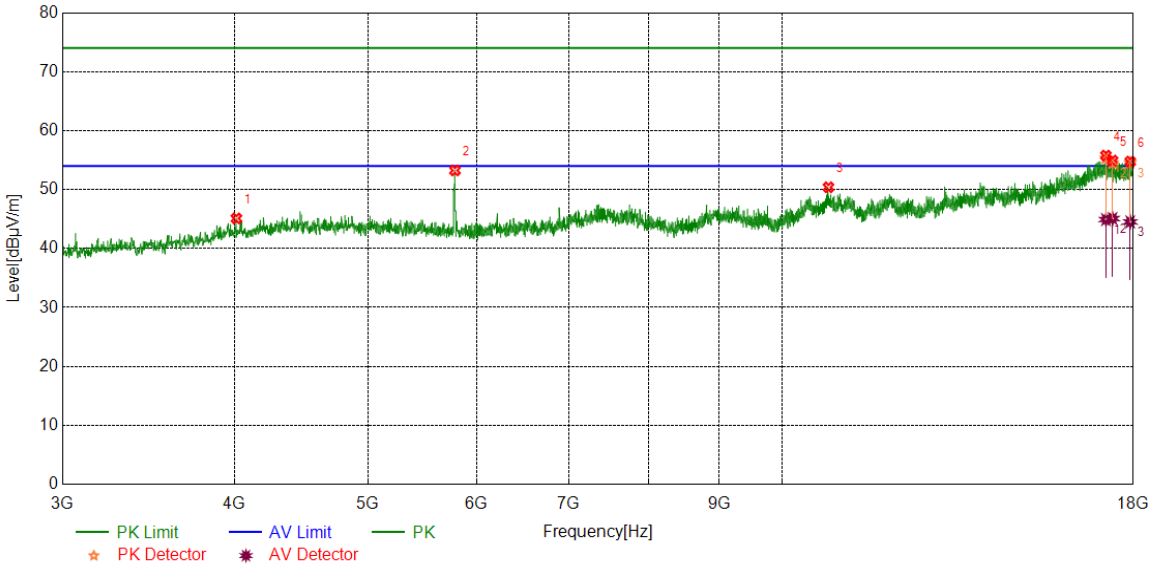
Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4833.9792	44.06	5.50	49.56	74.00	-24.44	peak
2	5786.5983	47.85	5.25	53.10	74.00	-20.90	peak
3	10784.0980	37.11	12.13	49.24	74.00	-24.76	peak
4	17036.1295	36.84	18.94	55.78	74.00	-18.22	peak
		26.97	18.94	45.91	54.00	-8.09	average
5	17546.1933	36.96	17.82	54.78	74.00	-19.22	peak
		26.47	17.82	44.29	54.00	-9.71	average
6	17864.9831	37.34	18.42	55.76	74.00	-18.24	peak
		25.81	18.42	44.23	54.00	-9.77	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

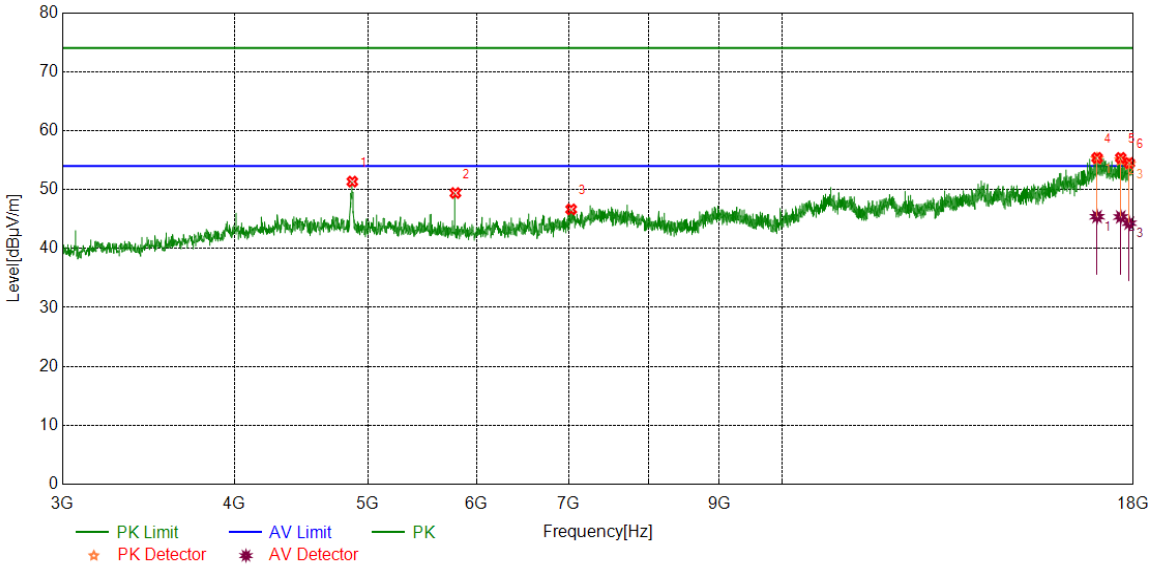
Test Mode	Channel	Polarization	Verdict
11G	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4014.5018	40.55	4.56	45.11	74.00	-28.89	peak
2	5786.5983	48.00	5.25	53.25	74.00	-20.75	peak
3	10808.4761	38.21	12.18	50.39	74.00	-23.61	peak
4	17193.6492	37.53	18.24	55.77	74.00	-18.23	peak
		26.68	18.24	44.92	54.00	-9.08	average
5	17384.9231	36.72	18.20	54.92	74.00	-19.08	peak
		26.89	18.20	45.09	54.00	-8.91	average
6	17906.2383	36.42	18.33	54.75	74.00	-19.25	peak
		26.19	18.33	44.52	54.00	-9.48	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

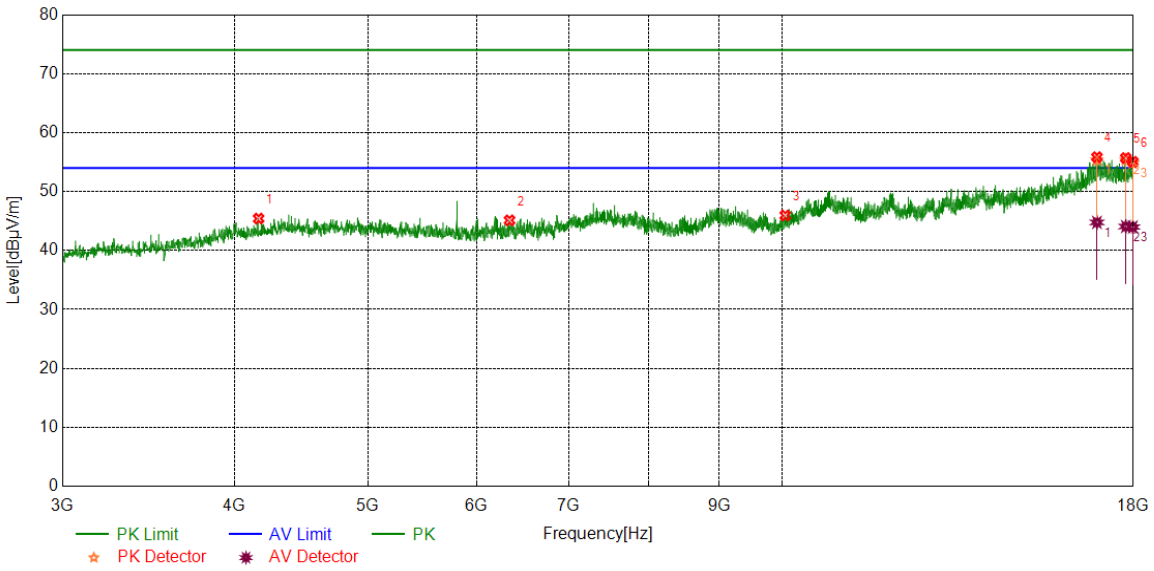
Test Mode	Channel	Polarization	Verdict
11G	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4873.3592	46.03	5.32	51.35	74.00	-22.65	peak
2	5790.3488	44.19	5.23	49.42	74.00	-24.58	peak
3	7028.0035	38.46	8.18	46.64	74.00	-27.36	peak
4	16940.4926	36.91	18.46	55.37	74.00	-18.63	peak
		26.95	18.46	45.41	54.00	-8.59	average
5	17624.9531	37.95	17.42	55.37	74.00	-18.63	peak
		27.94	17.42	45.36	54.00	-8.64	average
6	17878.1098	36.31	18.19	54.50	74.00	-19.50	peak
		26.11	18.19	44.30	54.00	-9.70	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

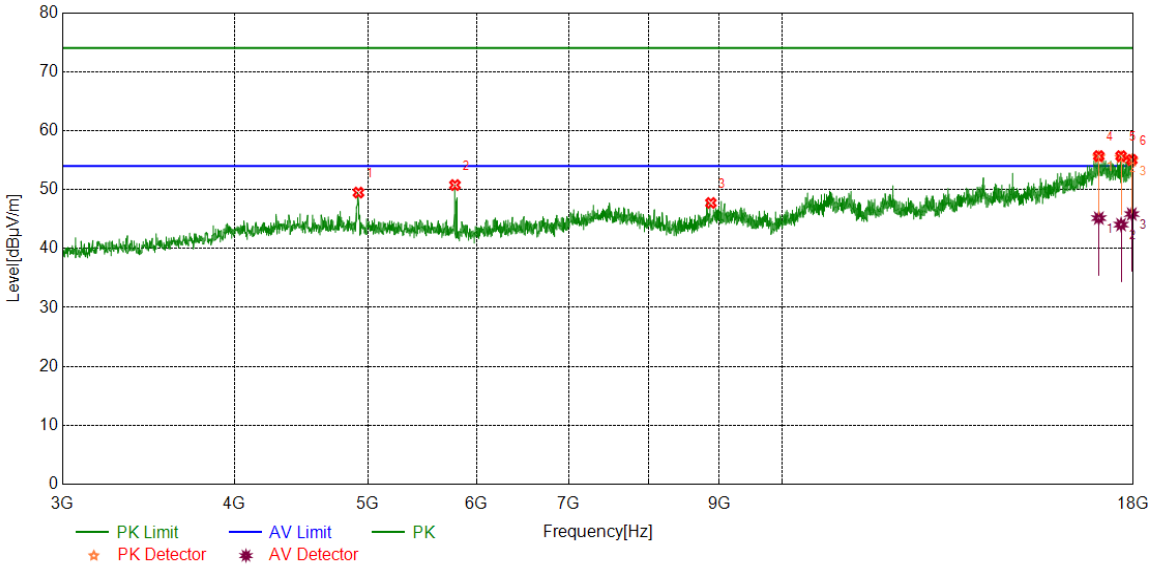
Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4166.3958	40.73	4.69	45.42	74.00	-28.58	peak
2	6339.7925	38.70	6.42	45.12	74.00	-28.88	peak
3	10054.6318	37.12	8.83	45.95	74.00	-28.05	peak
4	16936.7421	37.41	18.43	55.84	74.00	-18.16	peak
		26.34	18.43	44.77	54.00	-9.23	average
5	17773.0966	37.84	17.86	55.70	74.00	-18.30	peak
		26.21	17.86	44.07	54.00	-9.93	average
6	17984.9981	37.24	17.81	55.05	74.00	-18.95	peak
		26.18	17.81	43.99	54.00	-10.01	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

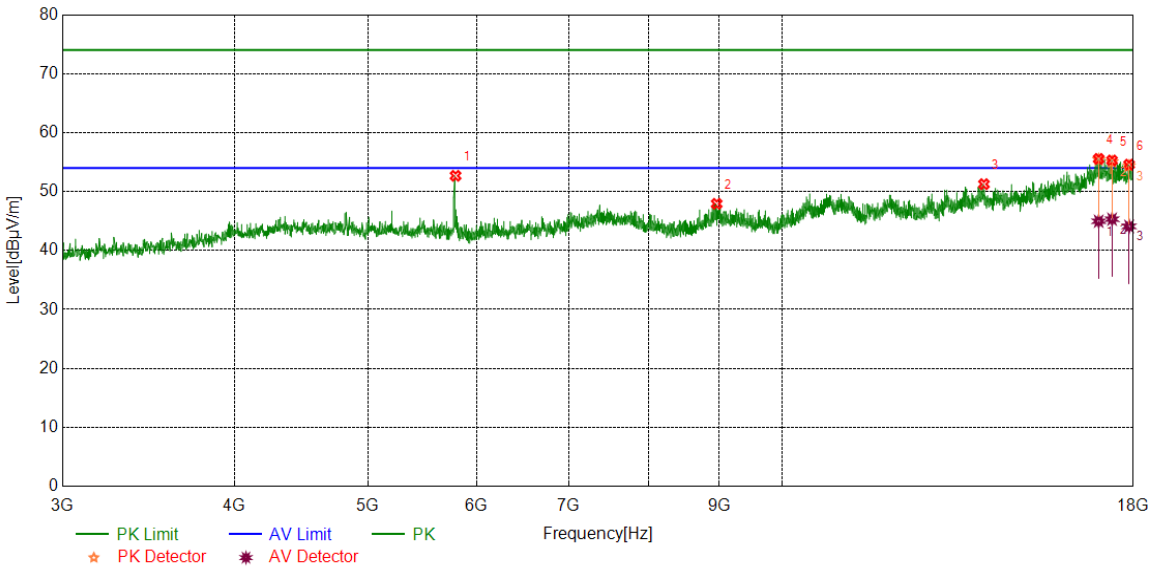
Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4923.9905	44.31	5.18	49.49	74.00	-24.51	peak
2	5786.5983	45.52	5.25	50.77	74.00	-23.23	peak
3	8878.8599	39.28	8.45	47.73	74.00	-26.27	peak
4	16989.2487	36.91	18.78	55.69	74.00	-18.31	peak
		26.38	18.78	45.16	54.00	-8.84	average
5	17634.3293	38.26	17.42	55.68	74.00	-18.32	peak
		26.63	17.42	44.05	54.00	-9.95	average
6	17953.1191	36.50	18.54	55.04	74.00	-18.96	peak
		27.31	18.54	45.85	54.00	-8.15	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

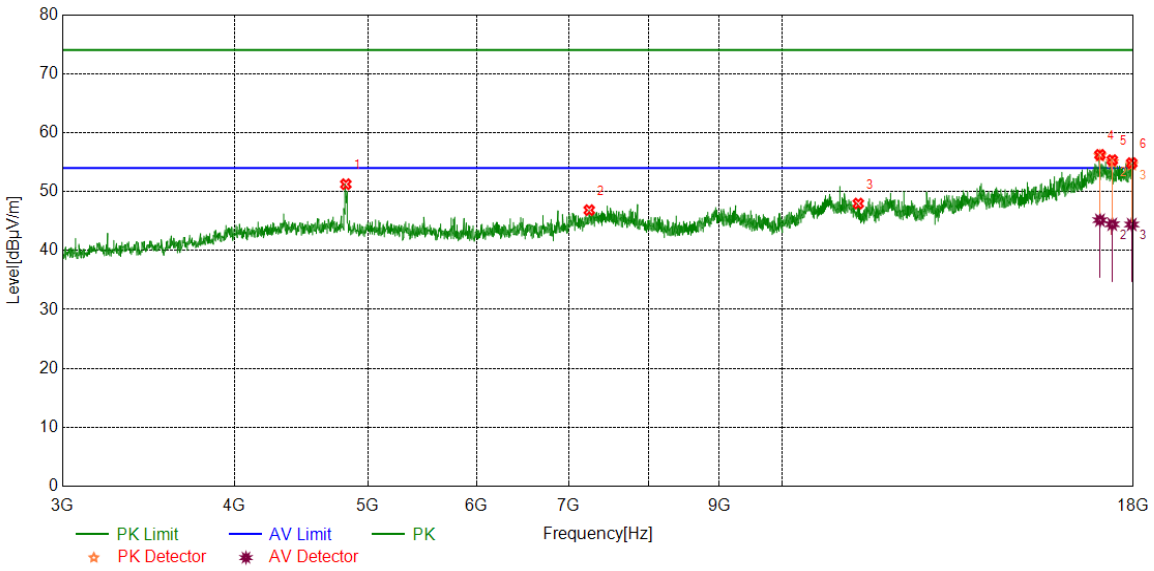
Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	5792.2240	47.41	5.27	52.68	74.00	-21.32	peak
2	8965.1206	38.95	8.98	47.93	74.00	-26.07	peak
3	14018.8774	37.04	14.22	51.26	74.00	-22.74	peak
4	16985.4982	36.78	18.77	55.55	74.00	-18.45	peak
		26.20	18.77	44.97	54.00	-9.03	average
5	17369.9212	36.78	18.50	55.28	74.00	-18.72	peak
		26.82	18.50	45.32	54.00	-8.68	average
6	17872.4841	36.27	18.30	54.57	74.00	-19.43	peak
		25.80	18.30	44.10	54.00	-9.90	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

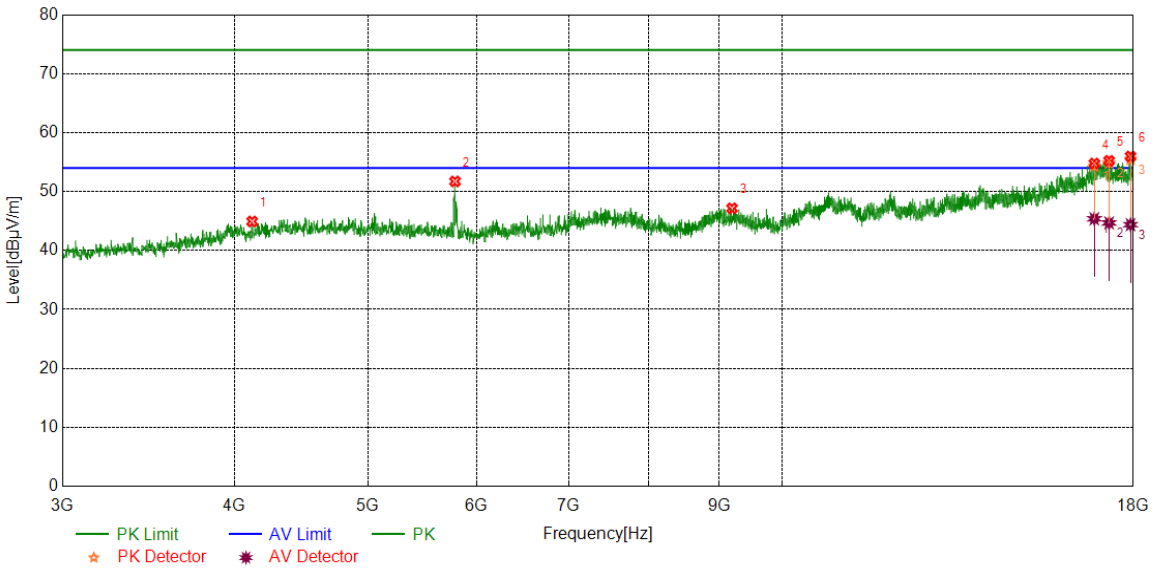
Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4820.8526	45.94	5.31	51.25	74.00	-22.75	peak
2	7243.6555	38.22	8.63	46.85	74.00	-27.15	peak
3	11361.6702	36.73	11.24	47.97	74.00	-26.03	peak
4	17023.0029	37.68	18.55	56.23	74.00	-17.77	peak
		26.60	18.55	45.15	54.00	-8.85	average
5	17375.5469	36.77	18.56	55.33	74.00	-18.67	peak
		25.89	18.56	44.45	54.00	-9.55	average
6	17951.2439	36.26	18.56	54.82	74.00	-19.18	peak
		25.86	18.56	44.42	54.00	-9.58	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

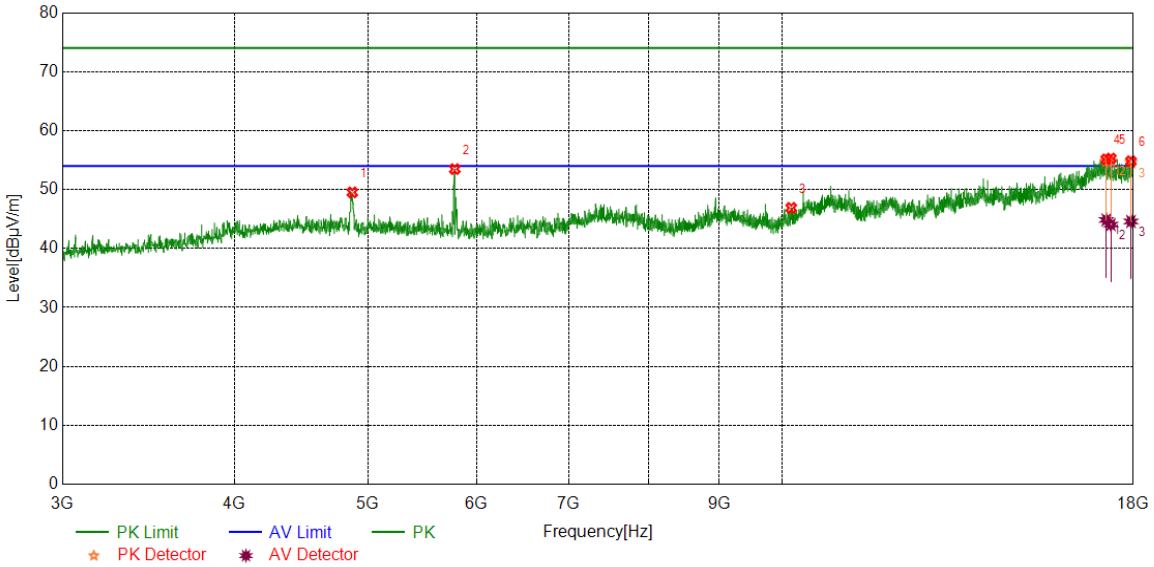
Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4121.3902	40.52	4.41	44.93	74.00	-29.07	peak
2	5786.5983	46.47	5.25	51.72	74.00	-22.28	peak
3	9197.6497	38.45	8.71	47.16	74.00	-26.84	peak
4	16861.7327	36.76	18.00	54.76	74.00	-19.24	peak
		27.38	18.00	45.38	54.00	-8.62	average
5	17283.6605	37.53	17.69	55.22	74.00	-18.78	peak
		26.99	17.69	44.68	54.00	-9.32	average
6	17915.6145	37.96	18.00	55.96	74.00	-18.04	peak
		26.38	18.00	44.38	54.00	-9.62	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

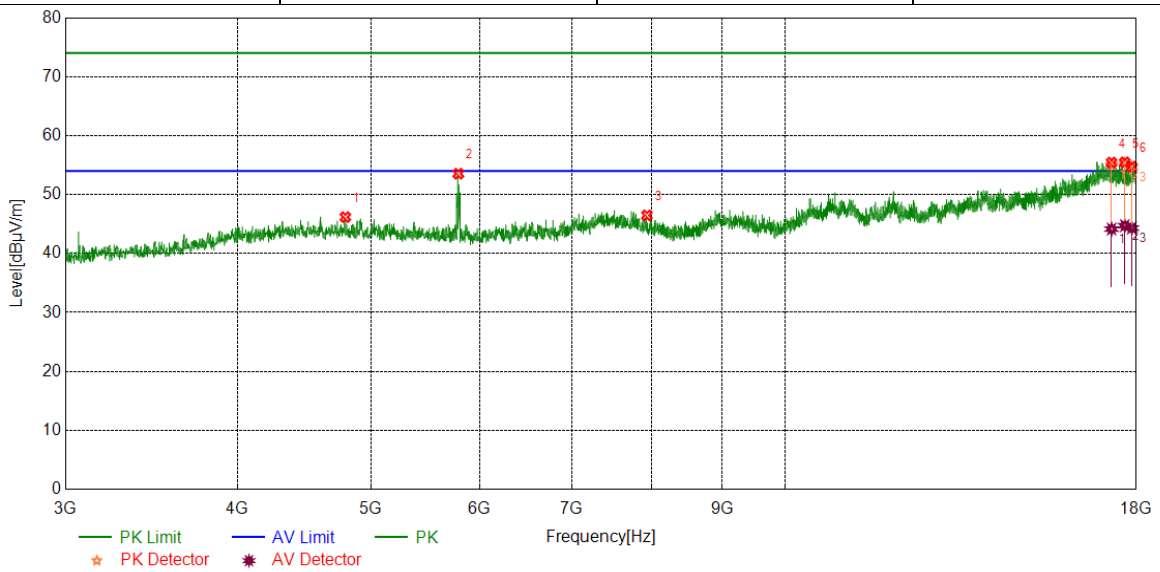
Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4873.3592	44.21	5.32	49.53	74.00	-24.47	peak
2	5784.7231	48.22	5.26	53.48	74.00	-20.52	peak
3	10155.8945	37.35	9.55	46.90	74.00	-27.10	peak
4	17203.0254	36.92	18.20	55.12	74.00	-18.88	peak
		26.65	18.20	44.85	54.00	-9.15	average
5	17336.167	37.82	17.45	55.27	74.00	-18.73	peak
		26.60	17.45	44.05	54.00	-9.95	average
6	17928.7411	36.70	18.10	54.80	74.00	-19.20	peak
		26.49	18.10	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

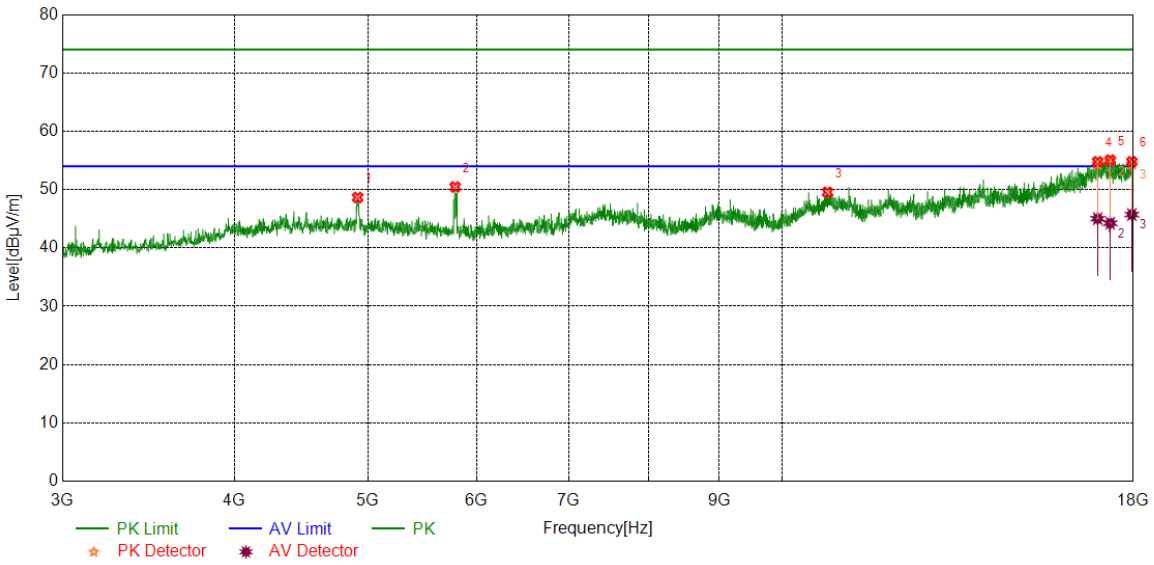
Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4792.7241	40.17	6.01	46.18	74.00	-27.82	peak
2	5790.3488	48.31	5.23	53.54	74.00	-20.46	peak
3	7937.4922	38.77	7.70	46.47	74.00	-27.53	peak
4	17268.6586	37.93	17.50	55.43	74.00	-18.57	peak
		26.65	17.50	44.15	54.00	-9.85	average
5	17654.9569	38.25	17.22	55.47	74.00	-18.53	peak
		27.51	17.22	44.73	54.00	-9.27	average
6	17863.1079	36.28	18.45	54.73	74.00	-19.27	peak
		25.88	18.45	44.33	54.00	-9.67	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

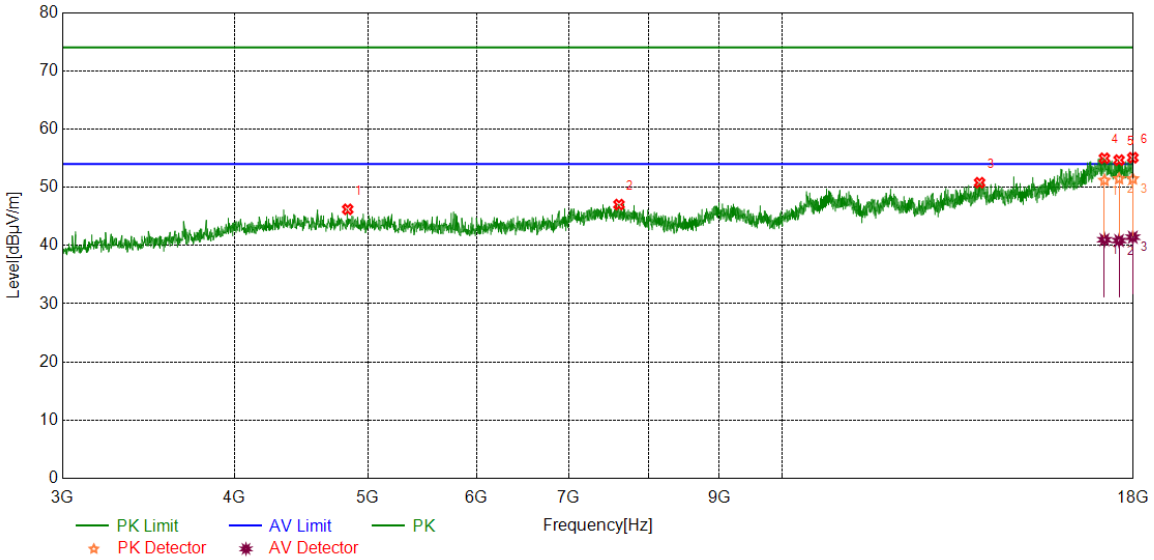
Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4916.4896	43.40	5.25	48.65	74.00	-25.35	peak
2	5788.4736	45.23	5.23	50.46	74.00	-23.54	peak
3	10791.5990	37.46	12.09	49.55	74.00	-24.45	peak
4	16957.3697	36.19	18.58	54.77	74.00	-19.23	peak
		26.44	18.58	45.02	54.00	-8.98	average
5	17315.5394	37.39	17.67	55.06	74.00	-18.94	peak
		26.57	17.67	44.24	54.00	-9.76	average
6	17954.9944	36.25	18.52	54.77	74.00	-19.23	peak
		27.20	18.52	45.72	54.00	-8.28	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

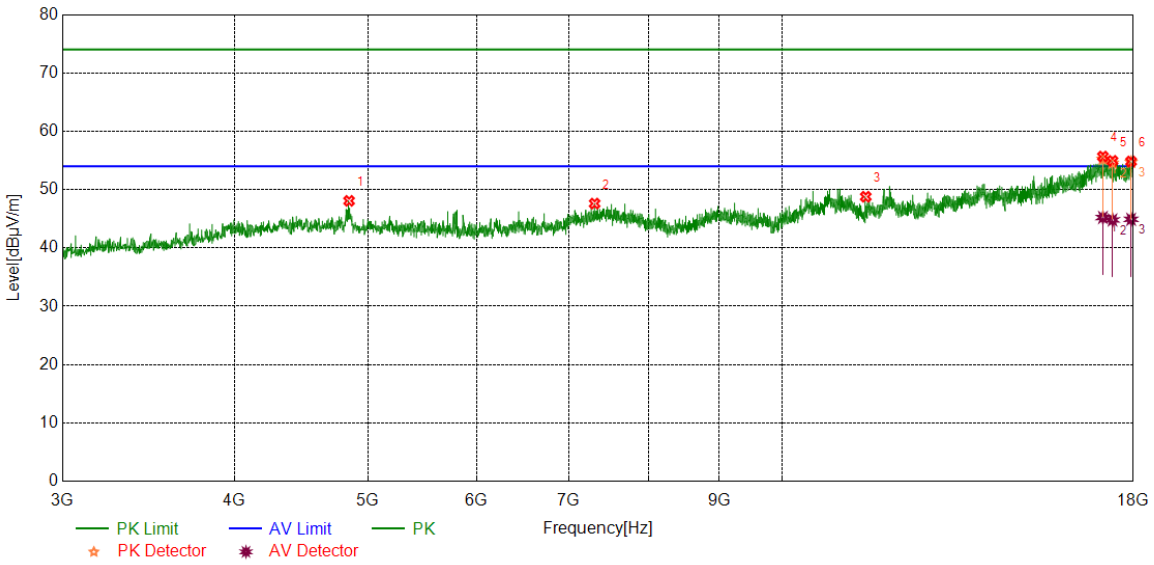
Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4835.8545	40.73	5.48	46.21	74.00	-27.79	peak
2	7613.0766	38.44	8.59	47.03	74.00	-26.97	peak
3	13917.6147	36.78	14.01	50.79	74.00	-23.21	peak
4	17150.5188	36.71	18.27	54.98	74.00	-19.02	peak
		22.72	18.27	40.99	54.00	-13.01	average
5	17574.3218	36.79	17.88	54.67	74.00	-19.33	peak
		22.97	17.88	40.85	54.00	-13.15	average
6	17983.1229	37.16	17.92	55.08	74.00	-18.92	peak
		23.51	17.92	41.43	54.00	-12.57	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

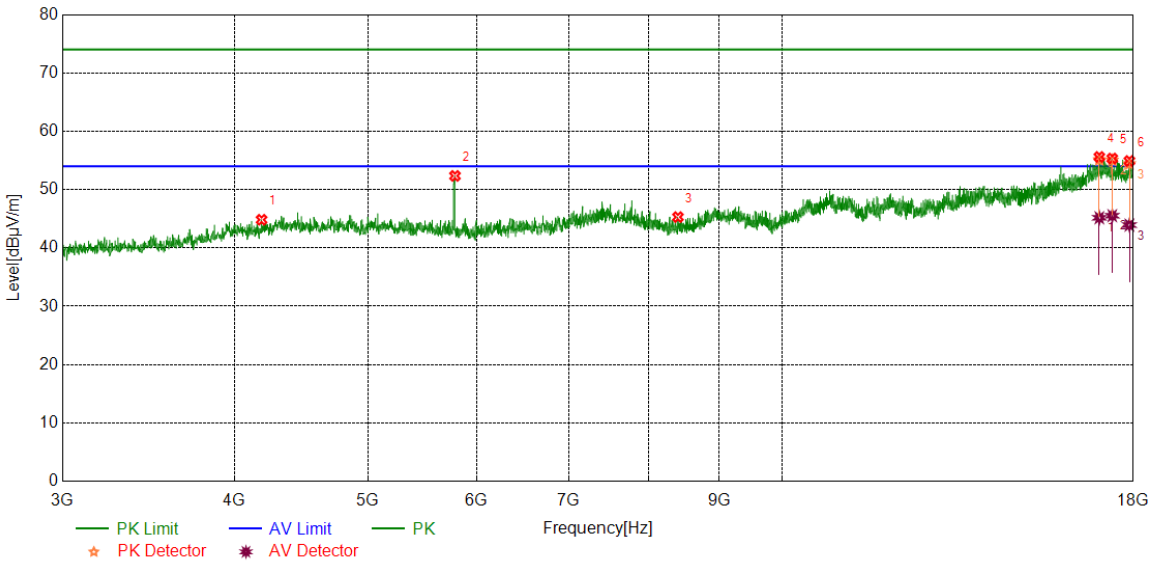
Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4847.1059	42.61	5.46	48.07	74.00	-25.93	peak
2	7309.2887	39.17	8.44	47.61	74.00	-26.39	peak
3	11504.1880	37.69	11.09	48.78	74.00	-25.22	peak
4	17105.5132	37.51	18.16	55.67	74.00	-18.33	peak
		27.06	18.16	45.22	54.00	-8.78	average
5	17383.0479	36.58	18.35	54.93	74.00	-19.07	peak
		26.45	18.35	44.80	54.00	-9.20	average
6	17932.4916	36.64	18.18	54.82	74.00	-19.18	peak
		26.73	18.18	44.91	54.00	-9.09	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

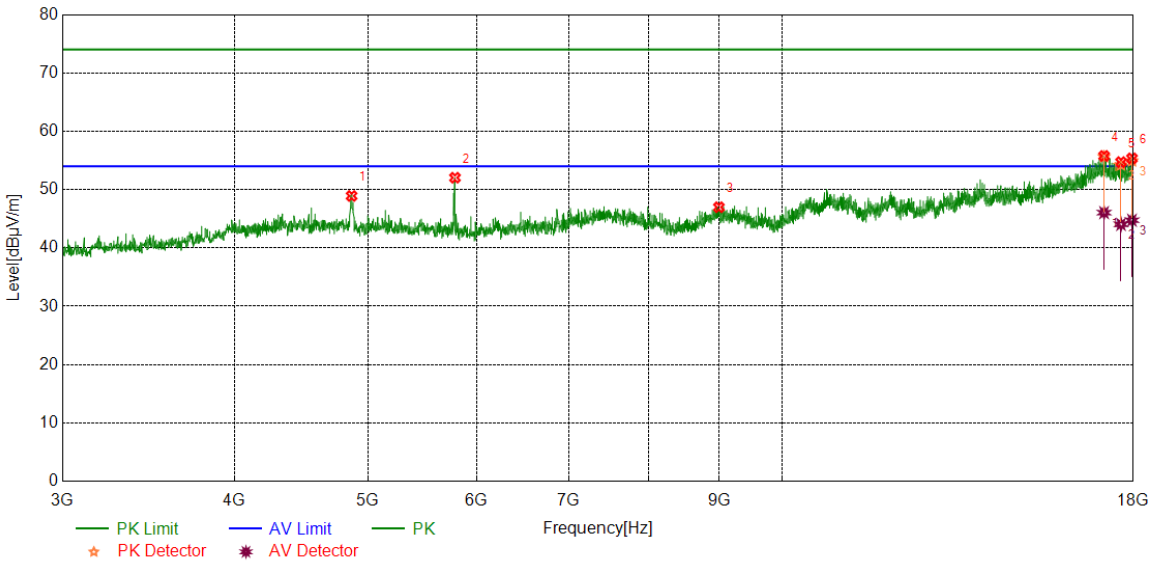
Test Mode	Channel	Polarization	Verdict
11N HT40	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4187.0234	40.31	4.52	44.83	74.00	-29.17	peak
2	5786.5983	47.10	5.25	52.35	74.00	-21.65	peak
3	8402.5503	38.46	6.83	45.29	74.00	-28.71	peak
4	17004.2505	37.05	18.55	55.60	74.00	-18.40	peak
		26.62	18.55	45.17	54.00	-8.83	average
5	17375.5469	36.77	18.56	55.33	74.00	-18.67	peak
		26.97	18.56	45.53	54.00	-8.47	average
6	17881.8602	36.69	18.22	54.91	74.00	-19.09	peak
		25.70	18.22	43.92	54.00	-10.08	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

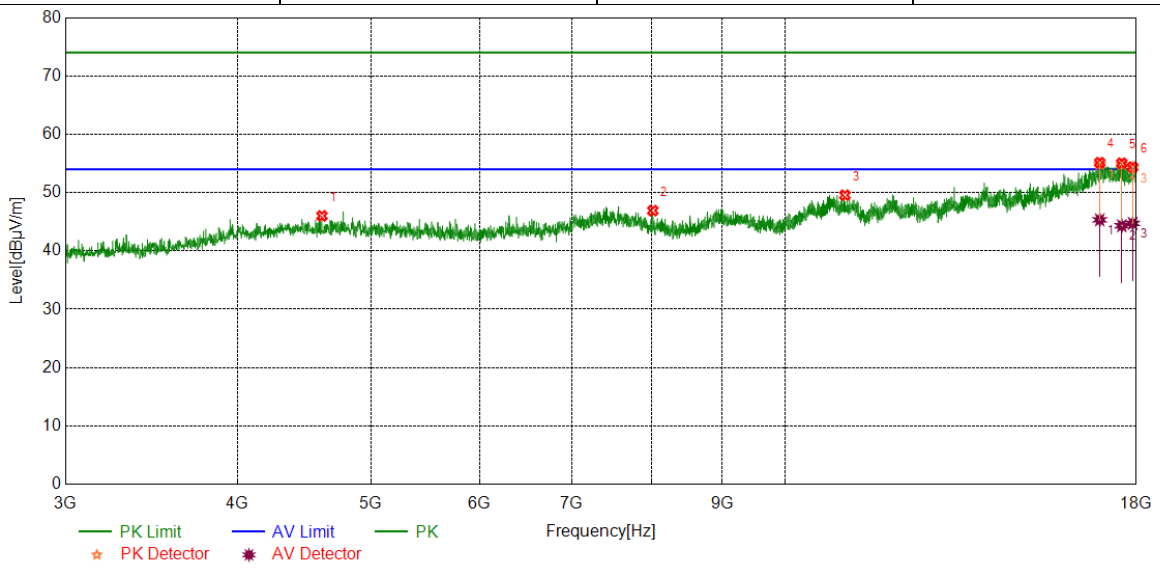
Test Mode	Channel	Polarization	Verdict
11N HT40	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4867.7335	43.58	5.33	48.91	74.00	-25.09	peak
2	5786.5983	46.79	5.25	52.04	74.00	-21.96	peak
3	8998.8749	37.90	9.08	46.98	74.00	-27.02	peak
4	17139.2674	37.51	18.26	55.77	74.00	-18.23	peak
		27.79	18.26	46.05	54.00	-7.95	average
5	17632.4541	37.38	17.34	54.72	74.00	-19.28	peak
		26.70	17.34	44.04	54.00	-9.96	average
6	17958.7448	36.88	18.48	55.36	74.00	-18.64	peak
		26.27	18.48	44.75	54.00	-9.25	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

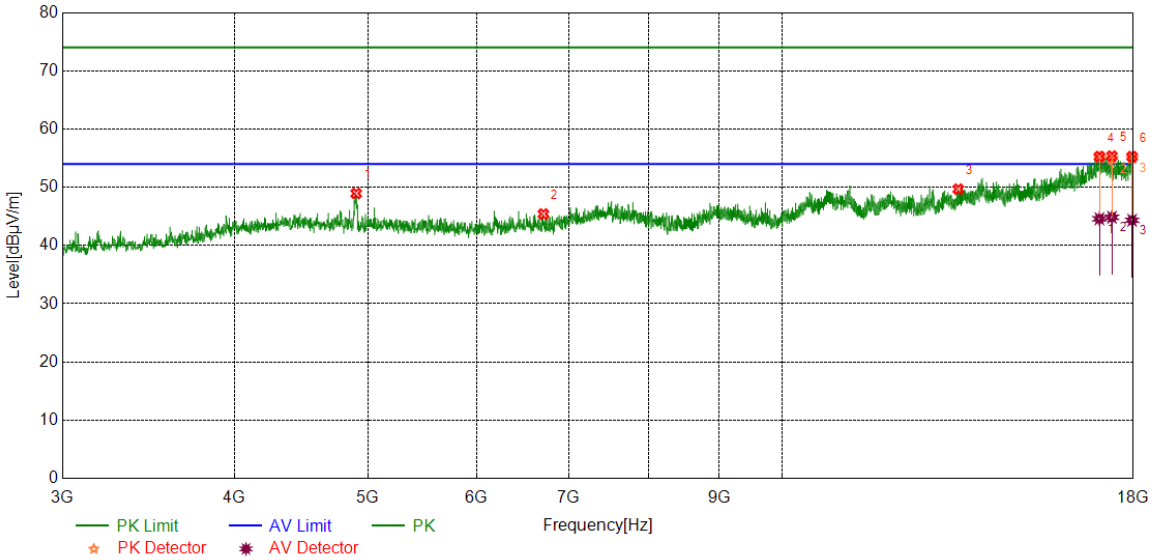
Test Mode	Channel	Polarization	Verdict
11N HT40	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4608.9511	40.67	5.34	46.01	74.00	-27.99	peak
2	8016.2520	39.29	7.62	46.91	74.00	-27.09	peak
3	11054.1318	37.36	12.20	49.56	74.00	-24.44	peak
4	16931.1164	36.75	18.38	55.13	74.00	-18.87	peak
		26.95	18.38	45.33	54.00	-8.67	average
5	17566.8209	36.99	18.06	55.05	74.00	-18.95	peak
		26.26	18.06	44.32	54.00	-9.68	average
6	17891.2364	35.85	18.53	54.38	74.00	-19.62	peak
		26.19	18.53	44.72	54.00	-9.28	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. 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
11N HT40	HCH	Vertical	PASS



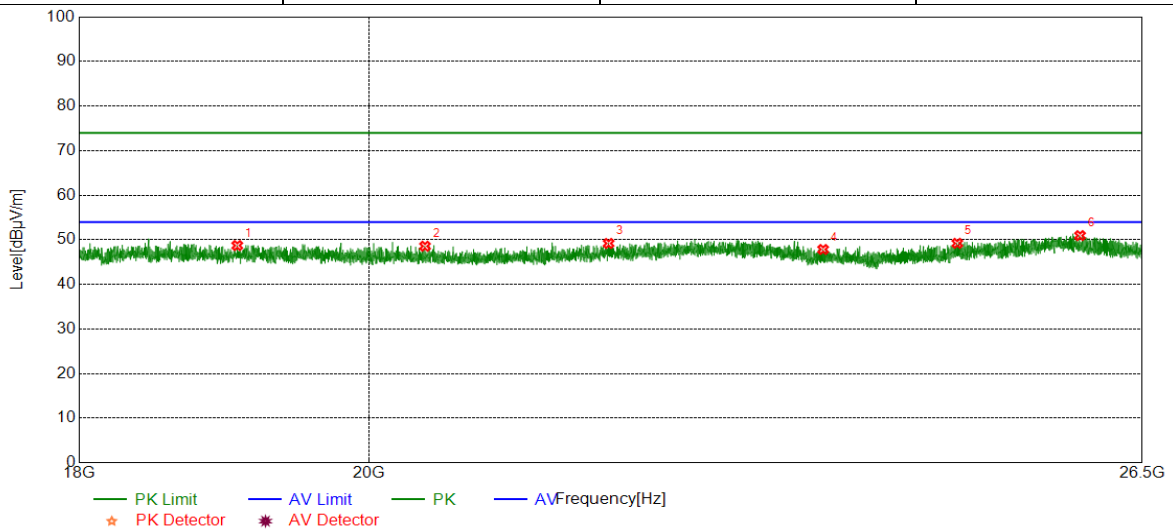
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4905.2382	43.60	5.34	48.94	74.00	-25.06	peak
2	6709.2137	37.34	8.07	45.41	74.00	-28.59	peak
3	13430.0538	36.77	12.91	49.68	74.00	-24.32	peak
4	17008.001	36.74	18.53	55.27	74.00	-18.73	peak
		26.06	18.53	44.59	54.00	-9.41	average
5	17366.1708	37.05	18.31	55.36	74.00	-18.64	peak
		26.54	18.31	44.85	54.00	-9.15	average
6	17962.4953	36.99	18.27	55.26	74.00	-18.74	peak
		26.07	18.27	44.34	54.00	-9.66	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 refer to section 7.1.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Part III: 18GHz~26.5GHz

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

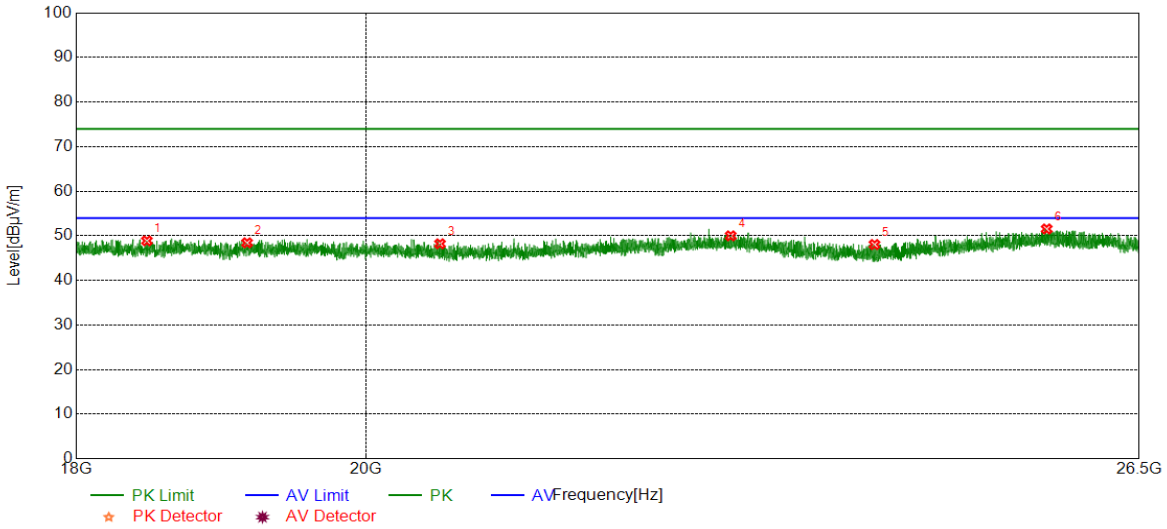
Test Mode	Channel	Polarization	Verdict
11N 20 MIMO	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	19064.3064	49.80	-1.08	48.72	74.00	-25.28	peak
2	20412.5413	49.23	-0.66	48.57	74.00	-25.43	peak
3	21823.6824	49.27	-0.07	49.20	74.00	-24.80	peak
4	23596.1096	48.19	-0.35	47.84	74.00	-26.16	peak
5	24776.8777	49.43	-0.21	49.22	74.00	-24.78	peak
6	25909.1909	49.43	1.52	50.95	74.00	-23.05	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
11N 20 MIMO	LCH	Vertical	PASS



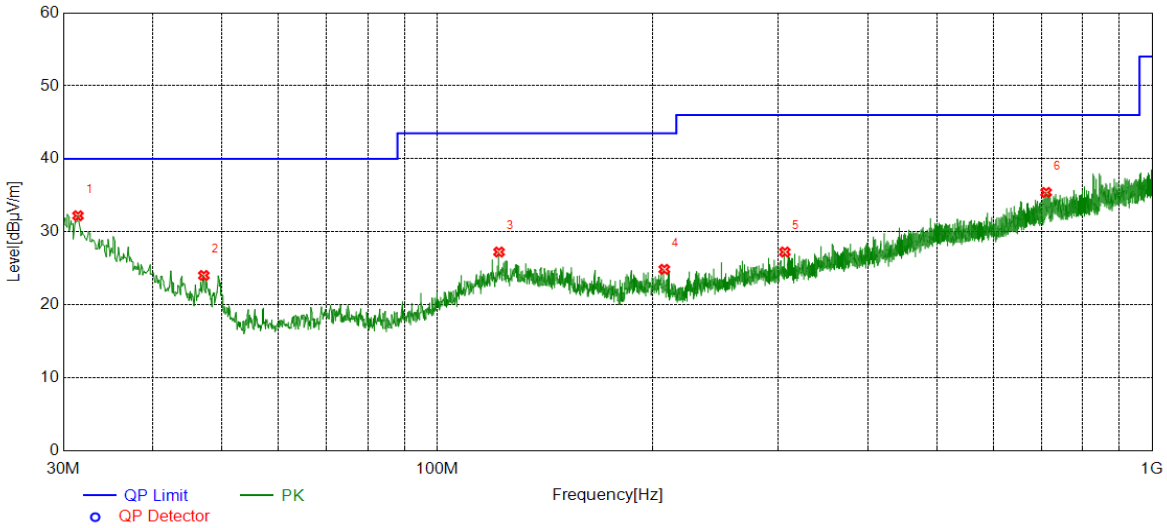
No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18467.5468	49.83	-0.95	48.88	74.00	-25.12	peak
2	19153.5654	49.43	-1.00	48.43	74.00	-25.57	peak
3	20546.8547	48.95	-0.73	48.22	74.00	-25.78	peak
4	22840.3840	48.89	1.11	50.00	74.00	-24.00	peak
5	24067.9068	49.19	-1.14	48.05	74.00	-25.95	peak
6	25624.4124	50.48	1.06	51.54	74.00	-22.46	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 IV: 30MHz~1GHz

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

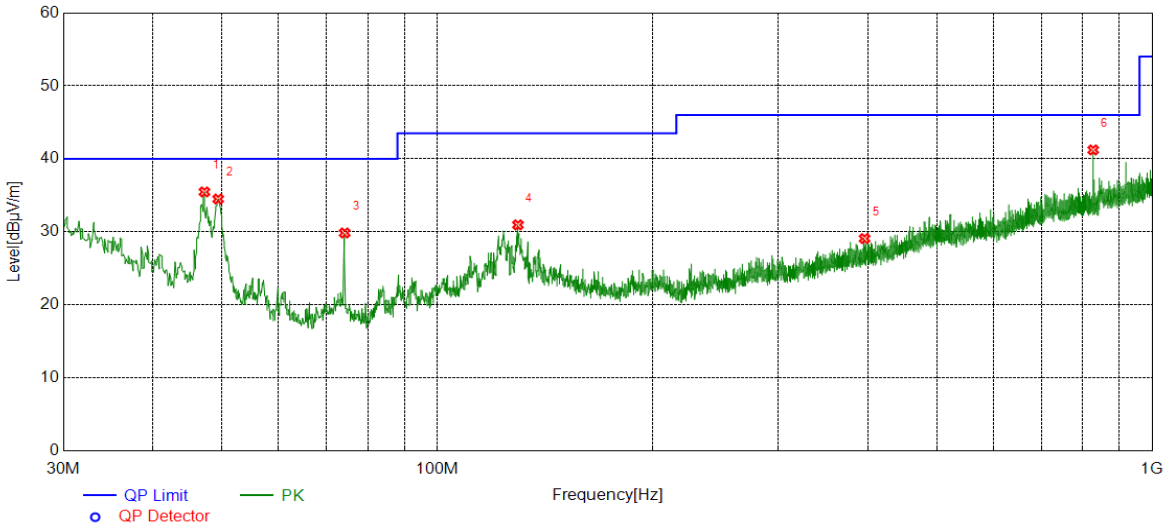
Test Mode	Channel	Polarization	Verdict
11N 20 MIMO	LCH	Horizontal	PASS



No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	31.4551	6.09	26.12	32.21	40.00	-7.79	peak
2	47.1707	7.74	16.29	24.03	40.00	-15.97	peak
3	122.0622	6.86	20.38	27.24	43.50	-16.26	peak
4	207.8188	6.29	18.58	24.87	43.50	-18.63	peak
5	306.3806	6.62	20.62	27.24	46.00	-18.76	peak
6	710.8141	6.71	28.69	35.40	46.00	-10.60	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
11N 20 MIMO	LCH	Vertical	PASS



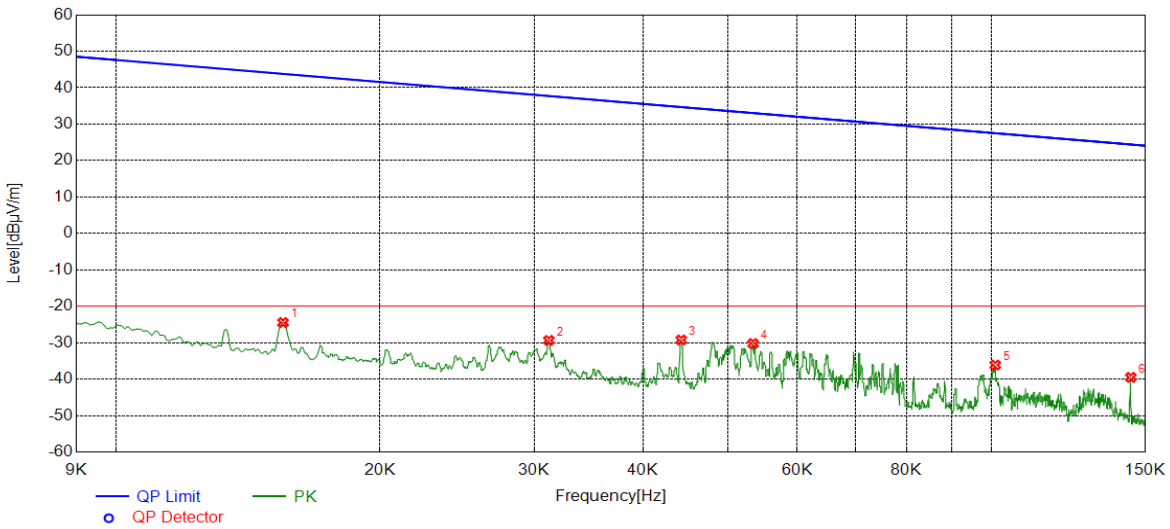
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	47.2677	19.24	16.23	35.47	40.00	-4.53	peak
2	49.4019	19.58	14.92	34.50	40.00	-5.50	peak
3	74.2364	15.24	14.61	29.85	40.00	-10.15	peak
4	129.7260	10.74	20.22	30.96	43.50	-12.54	peak
5	396.1146	6.25	22.83	29.08	46.00	-16.92	peak
6	827.0317	11.06	30.16	41.22	46.00	-4.78	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 V: 9KHz~30MHz

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

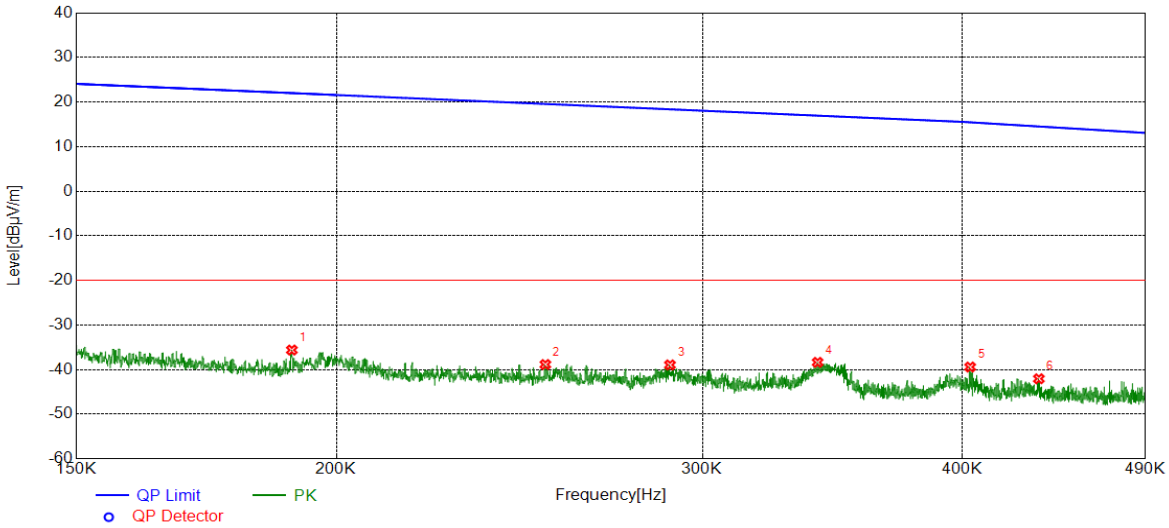
Test Mode	Channel	Frequency Range	Verdict
11N 20 MIMO	LCH	9KHz~150KHz	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0155	36.52	-60.98	-24.46	43.80	-68.26	peak
2	0.0312	31.55	-60.92	-29.37	37.72	-67.09	peak
3	0.0442	31.76	-61.00	-29.24	34.69	-63.93	peak
4	0.0534	30.87	-61.09	-30.22	33.05	-63.27	peak
5	0.1010	24.61	-60.73	-36.12	27.51	-63.63	peak
6	0.1443	21.74	-61.25	-39.51	24.42	-63.93	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

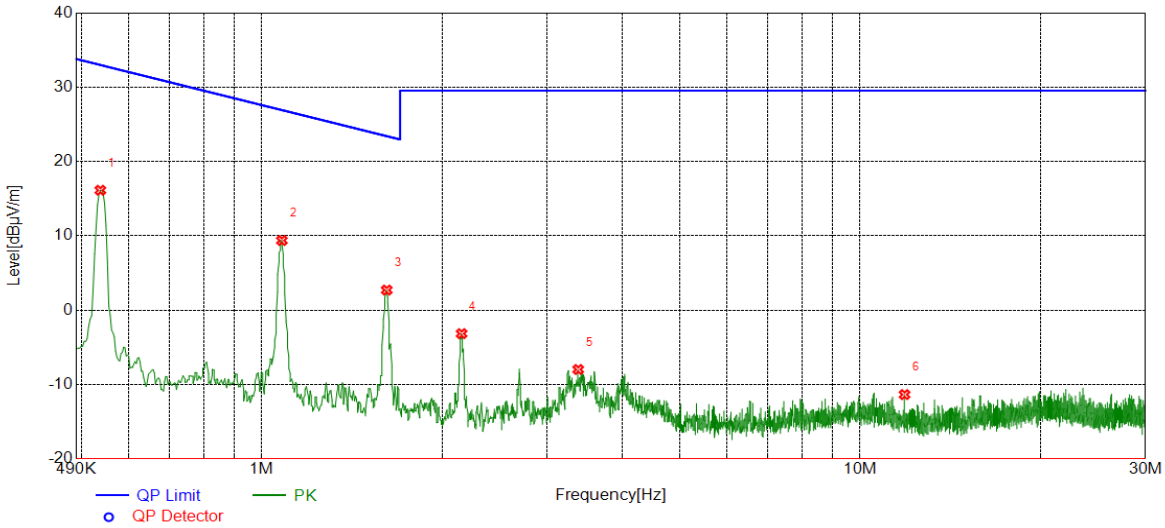
Test Mode	Channel	Frequency Range	Verdict
11N 20 MIMO	LCH	150KHz~490Hz	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1904	25.50	-61.11	-35.61	22.01	-57.62	peak
2	0.2521	21.95	-60.80	-38.85	19.57	-58.42	peak
3	0.2894	21.82	-60.77	-38.95	18.37	-57.32	peak
4	0.3408	22.36	-60.73	-38.37	16.95	-55.32	peak
5	0.4035	21.26	-60.68	-39.42	15.45	-54.87	peak
6	0.4354	18.60	-60.65	-42.05	14.52	-56.57	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
11N 20 MIMO	LCH	490KHz~30MHz	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.5372	36.73	-20.60	16.13	33.00	-16.87	peak
2	1.0803	29.71	-20.34	9.37	26.94	-17.57	peak
3	1.6174	22.97	-20.27	2.70	23.43	-20.73	peak
4	2.1575	17.09	-20.25	-3.16	29.54	-32.70	peak
5	3.3793	12.33	-20.31	-7.98	29.54	-37.52	peak
6	11.8672	7.65	-19.01	-11.36	29.54	-40.90	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

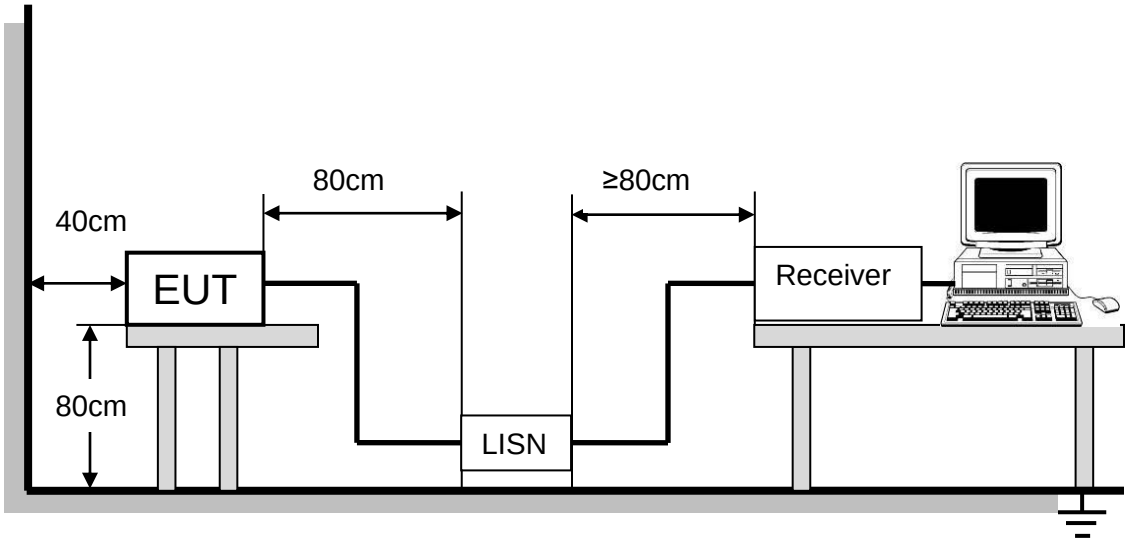
8. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a), ISED RSS-Gen Clause 8.8

FREQUENCY (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

TEST SETUP AND PROCEDURE

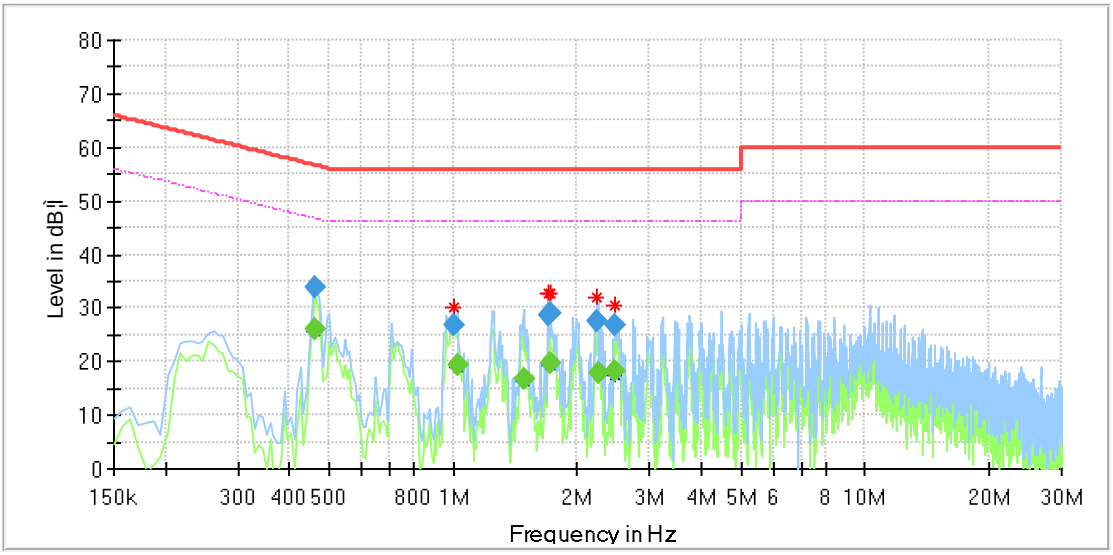


The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3)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

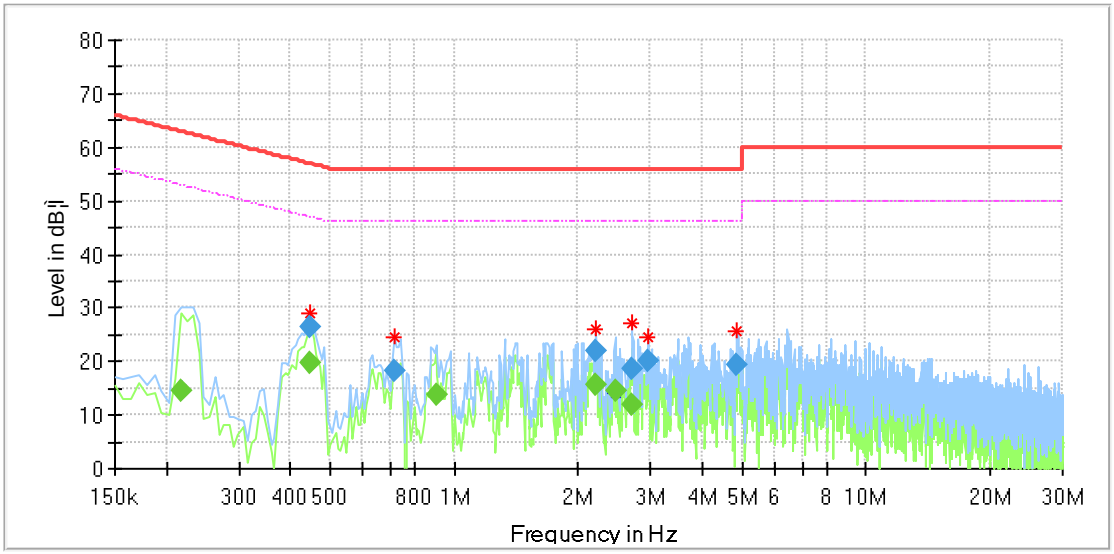


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.463425	---	25.88	46.63	20.75	1000.0	9.000	L1	OFF	9.7
0.463425	33.97	---	56.63	22.67	1000.0	9.000	L1	OFF	9.7
1.000725	26.94	---	56.00	29.06	1000.0	9.000	L1	OFF	9.7
1.023113	---	19.22	46.00	26.78	1000.0	9.000	L1	OFF	9.7
1.485788	---	16.79	46.00	29.21	1000.0	9.000	L1	OFF	9.6
1.702200	28.79	---	56.00	27.21	1000.0	9.000	L1	OFF	9.6
1.717125	29.14	---	56.00	26.86	1000.0	9.000	L1	OFF	9.6
1.717125	---	19.77	46.00	26.23	1000.0	9.000	L1	OFF	9.6
2.239500	27.60	---	56.00	28.40	1000.0	9.000	L1	OFF	9.7
2.246963	---	17.77	46.00	28.23	1000.0	9.000	L1	OFF	9.7
2.463375	26.93	---	56.00	29.07	1000.0	9.000	L1	OFF	9.7
2.470838	---	18.08	46.00	27.92	1000.0	9.000	L1	OFF	9.7

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 LCH of 11N20 MIMO mode which is the worst case, so only the worst case is included 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)
0.217163	---	14.66	52.93	38.27	1000.0	9.000	N	OFF	9.6
0.448500	---	19.62	46.90	27.28	1000.0	9.000	N	OFF	9.6
0.448500	26.30	---	56.90	30.60	1000.0	9.000	N	OFF	9.6
0.717150	18.39	---	56.00	37.61	1000.0	9.000	N	OFF	9.5
0.903713	---	13.79	46.00	32.21	1000.0	9.000	N	OFF	9.7
2.209650	21.83	---	56.00	34.17	1000.0	9.000	N	OFF	9.6
2.209650	---	15.61	46.00	30.39	1000.0	9.000	N	OFF	9.6
2.455913	---	14.35	46.00	31.65	1000.0	9.000	N	OFF	9.5
2.702175	18.50	---	56.00	37.50	1000.0	9.000	N	OFF	9.5
2.702175	---	12.05	46.00	33.95	1000.0	9.000	N	OFF	9.5
2.955900	20.20	---	56.00	35.80	1000.0	9.000	N	OFF	9.6
4.873763	19.19	---	56.00	36.81	1000.0	9.000	N	OFF	9.7

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 LCH of 11N20 MIMO mode which is the worst case, so only the worst case is included 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 Monopole Antennas.

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi

END OF REPORT