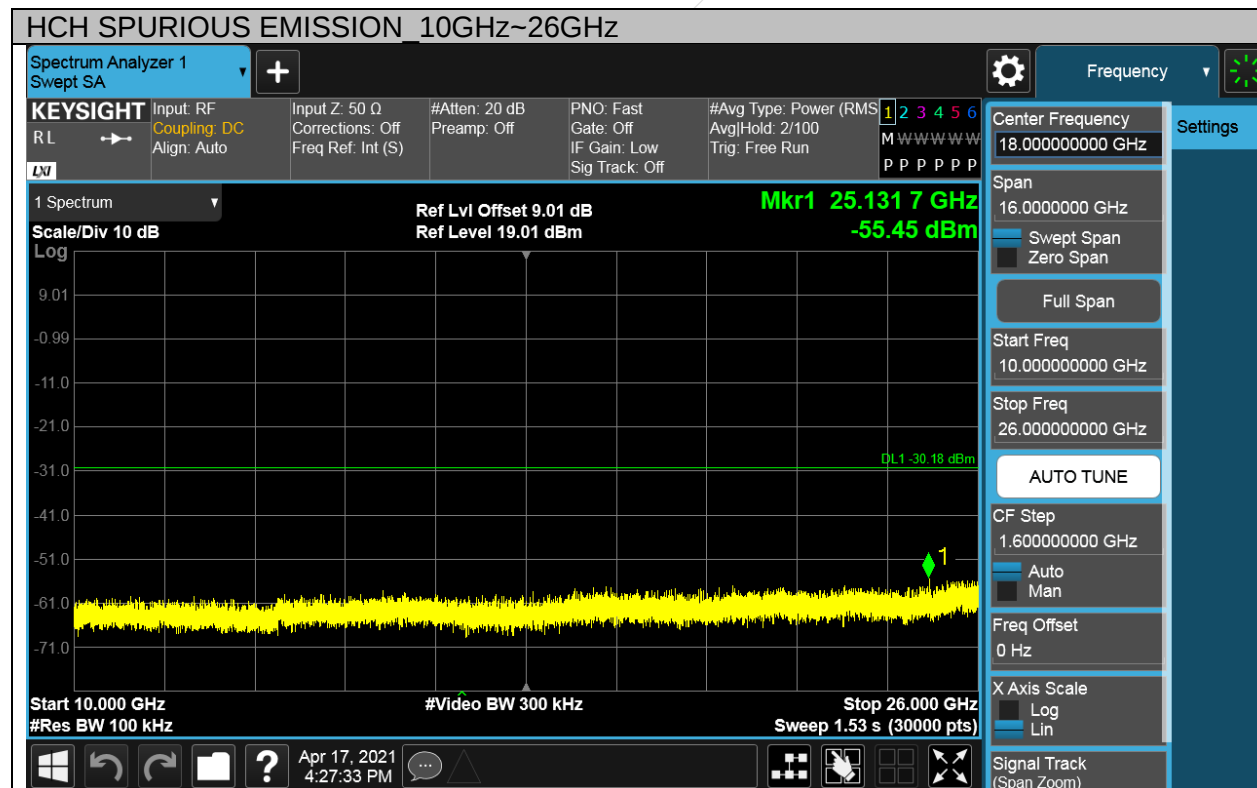
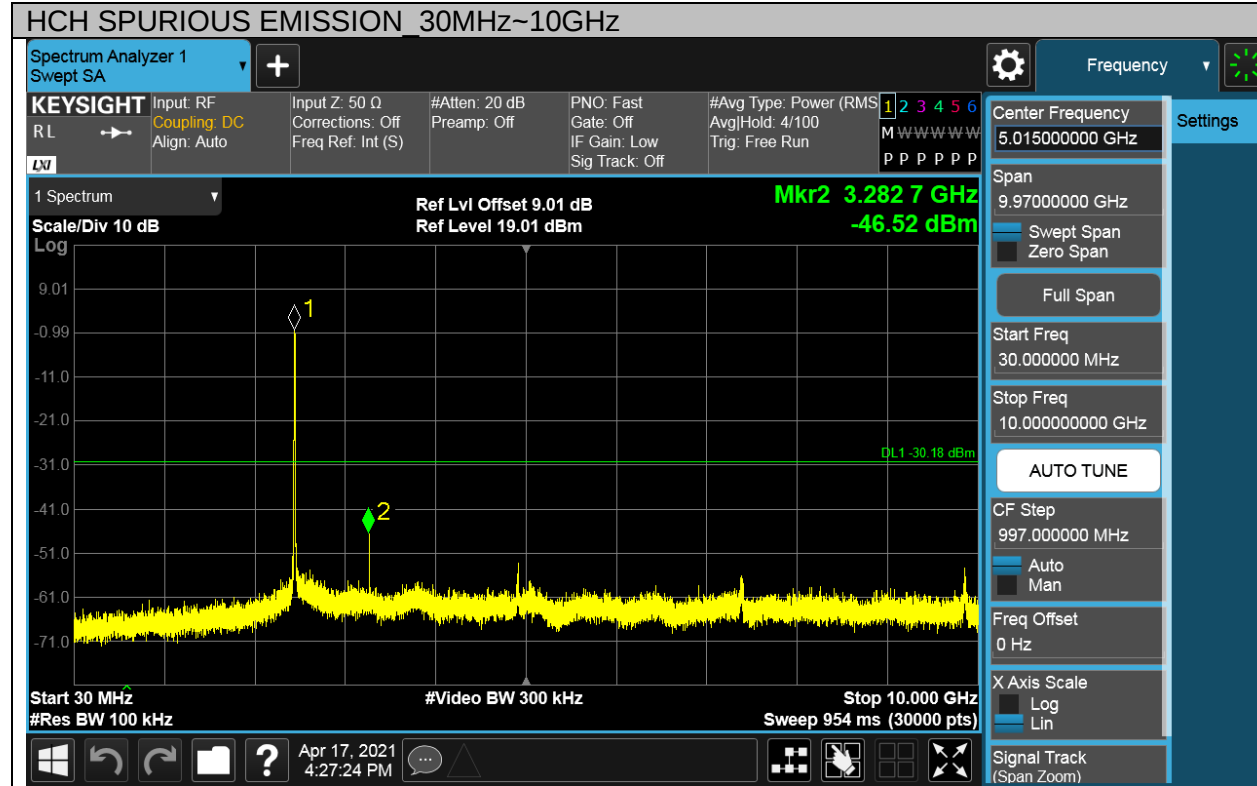




Puw test Plot



7.6. RADIATED TEST RESULTS

7.6.1. LIMITS AND PROCEDURE

LIMITS

Please refer to FCC §15.205 and §15.209, ISED RSS-247 Clause 5.5, ISED RSS-GEN Clause 8.9&6.13 (Transmitter)

Radiation Disturbance Test Limit for ISED(9KHz-1GHz)

Except where otherwise indicated in the applicable RSS, radiated emissions shall comply with the field strength limits shown in table 5 and table 6. Additionally, the level of any transmitter unwanted emission shall not exceed the level of the transmitter's fundamental emission.

Table 5 – General field strength limits at frequencies above 30 MHz	
Frequency (MHz)	Field strength (µV/m at 3 m)
30 – 88	100
88 – 216	150
216 – 960	200
Above 960	500

Table 6 – General field strength limits at frequencies below 30 MHz		
Frequency	Magnetic field strength (H-Field) (µA/m)	Measurement distance (m)
9 - 490 kHz ^{Note 1}	6.37/F (F in kHz)	300
490 - 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30 MHz	0.08	30

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.



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

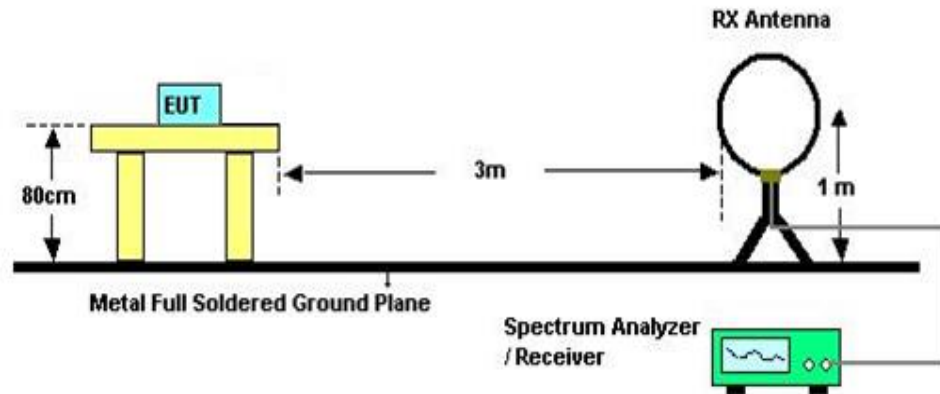
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	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: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c

TEST SETUP AND PROCEDURE

Below 30MHz

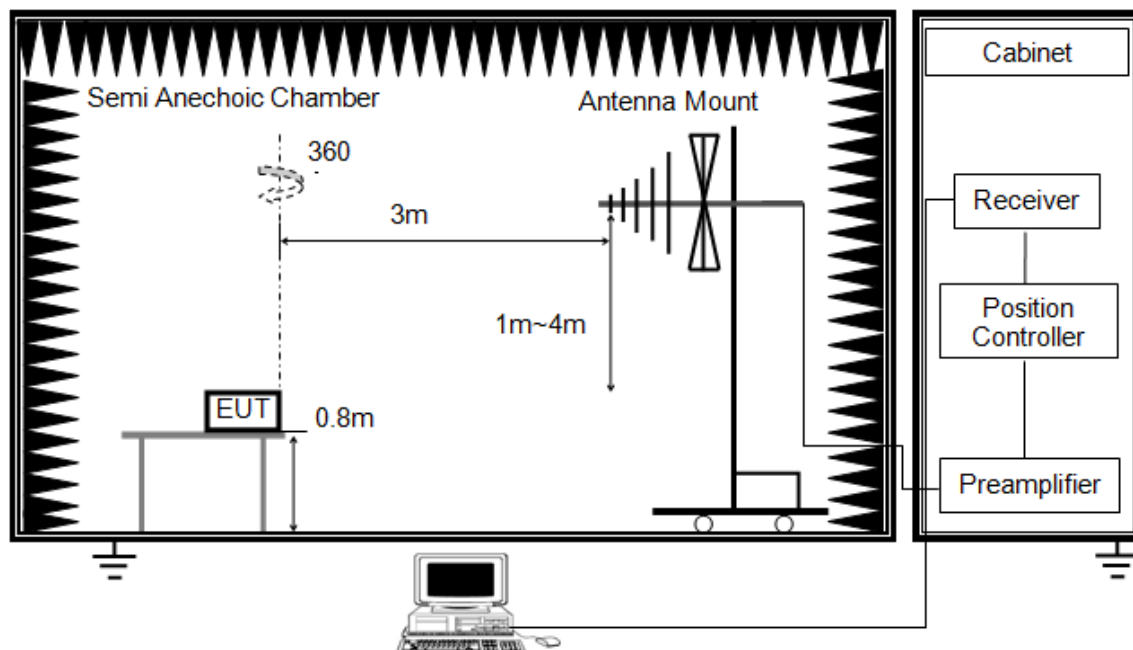


The setting of the spectrum analyser

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

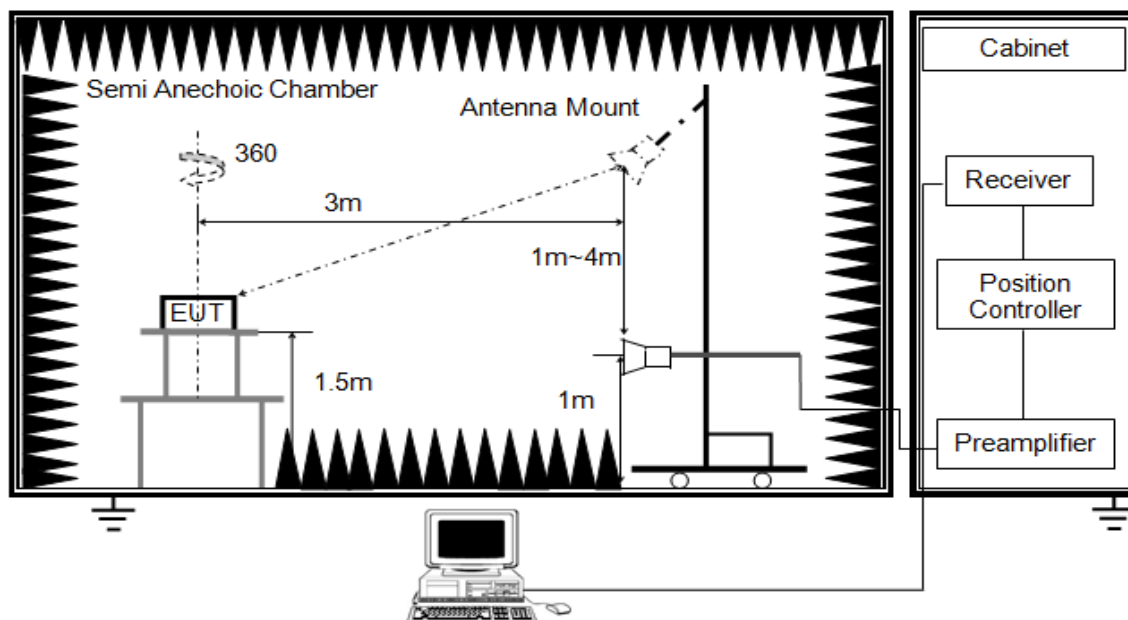


The setting of the spectrum analyser

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

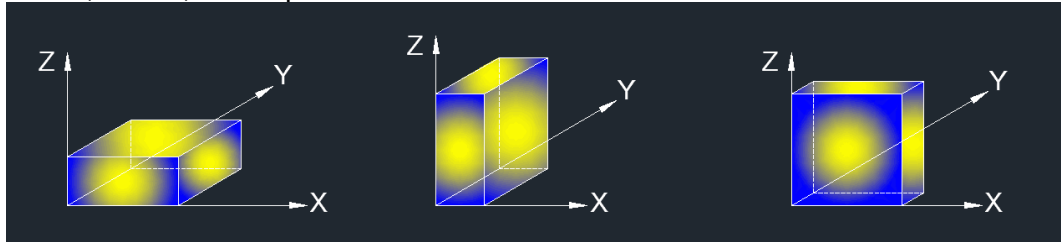


The setting of the spectrum analyser

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 $\geq 1/T$ but not less than the setting list in section 7.1 when use peak detector, max hold to be run for at least $[50 \times (1/\text{Duty Cycle})]$ 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.TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.7V

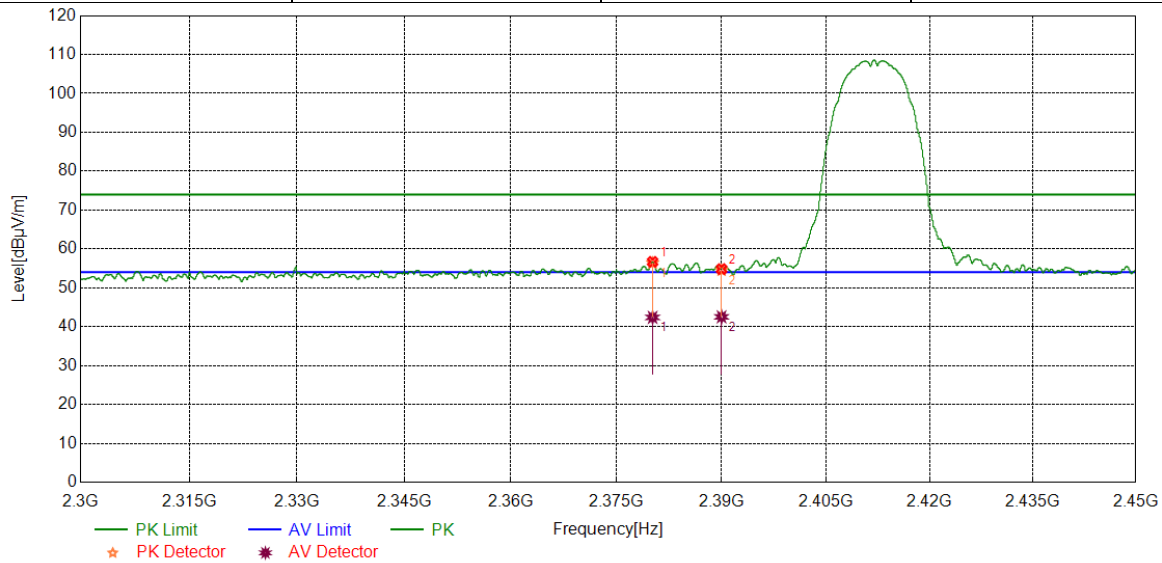
7.6.3.RESTRICTED BANDEDGE

Test Result Table

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

**Test Graphs:**

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

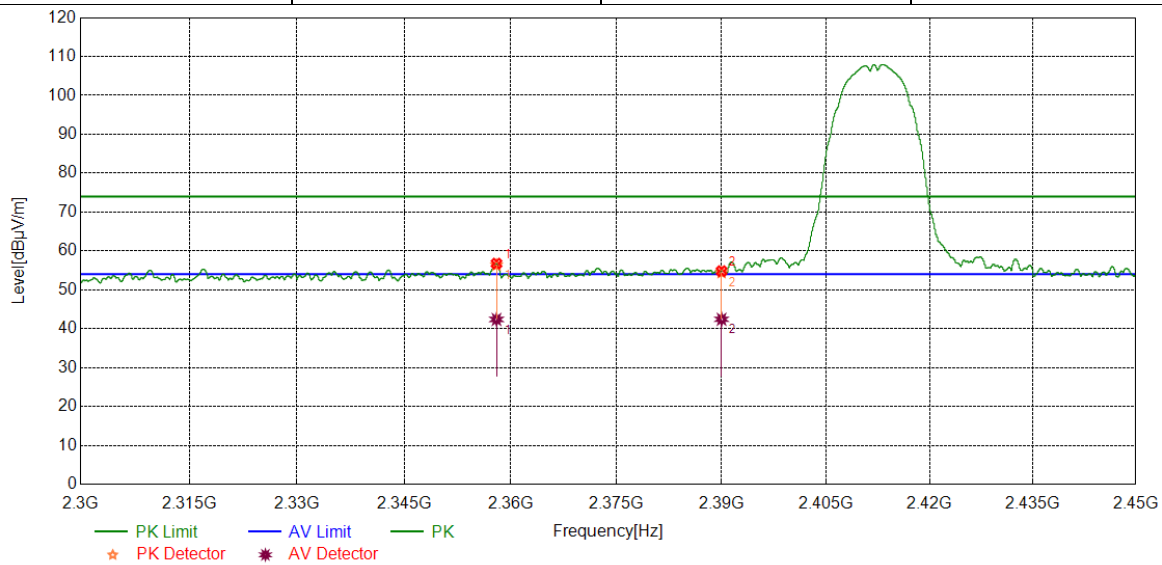


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2380.1475	43.63	13.06	56.69	74.00	-17.31	peak
		29.33	13.06	42.39	54.00	-11.61	average
2	2390.0000	41.76	13.07	54.83	74.00	-19.17	peak
		29.46	13.07	42.53	54.00	-11.47	average

- 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
11B	LCH	Vertical	PASS

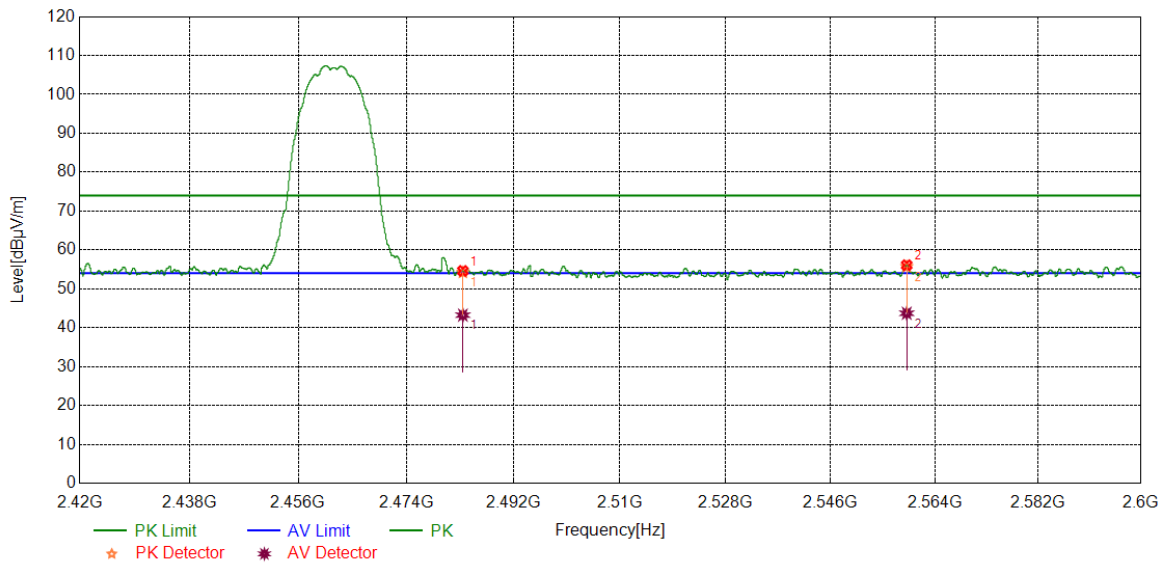


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2358.0010	44.00	12.76	56.76	74.00	-17.24	peak
		29.62	12.76	42.38	54.00	-11.62	average
2	2390.0000	41.74	13.07	54.81	74.00	-19.19	peak
		29.35	13.07	42.42	54.00	-11.58	average

- 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

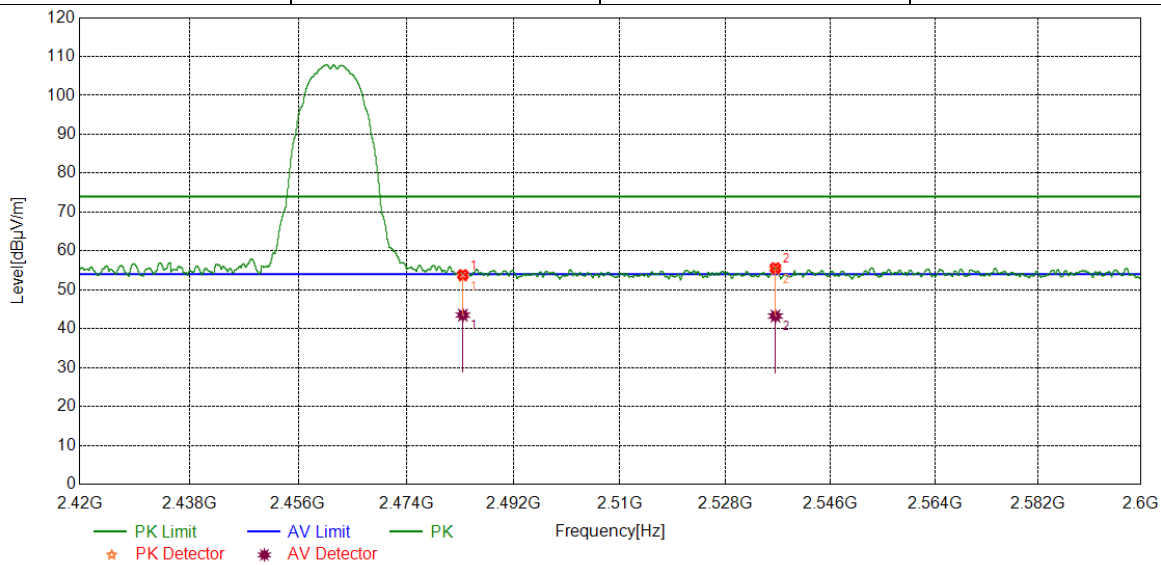


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	41.65	12.97	54.62	74.00	-19.38	peak
		30.26	12.97	43.23	54.00	-10.77	average
2	2559.1349	42.68	13.41	56.09	74.00	-17.91	peak
		30.30	13.41	43.71	54.00	-10.29	average

- 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

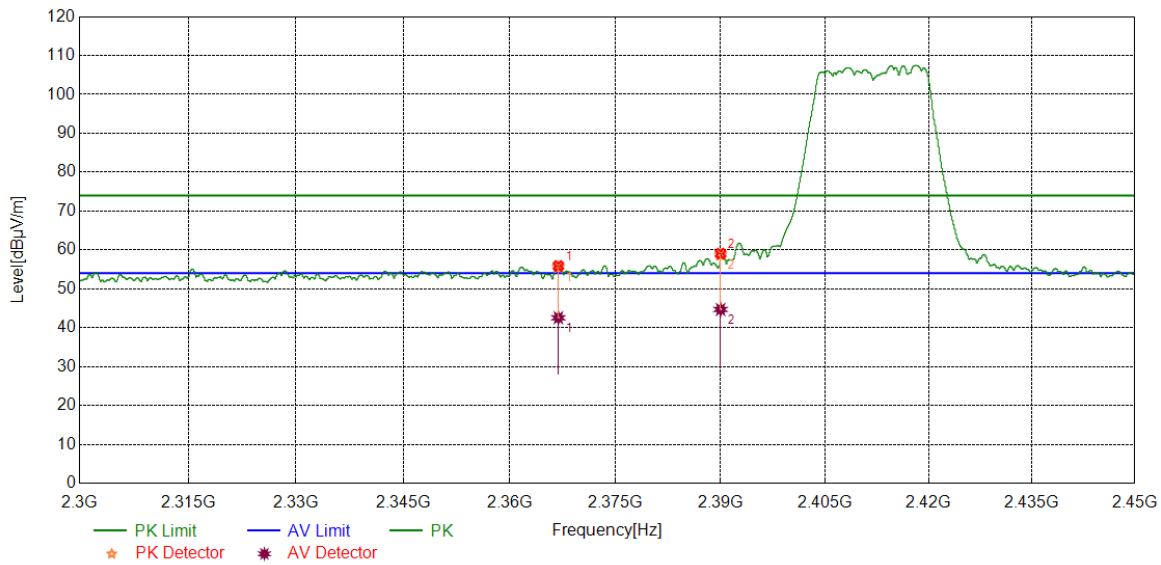


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	40.87	12.97	53.84	74.00	-20.16	peak
		30.52	12.97	43.49	54.00	-10.51	average
2	2536.5196	42.19	13.42	55.61	74.00	-18.39	peak
		29.83	13.42	43.25	54.00	-10.75	average

- 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

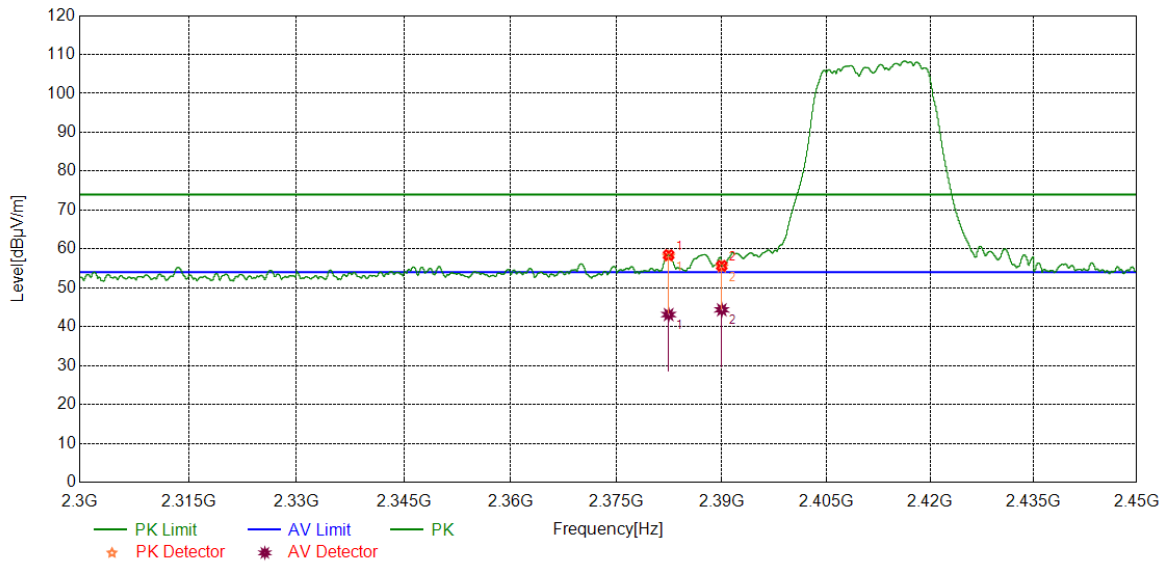


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2366.8896	43.01	12.88	55.89	74.00	-18.11	peak
		29.68	12.88	42.56	54.00	-11.44	average
2	2390.0000	46.00	13.07	59.07	74.00	-14.93	peak
		31.62	13.07	44.69	54.00	-9.31	average

- 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

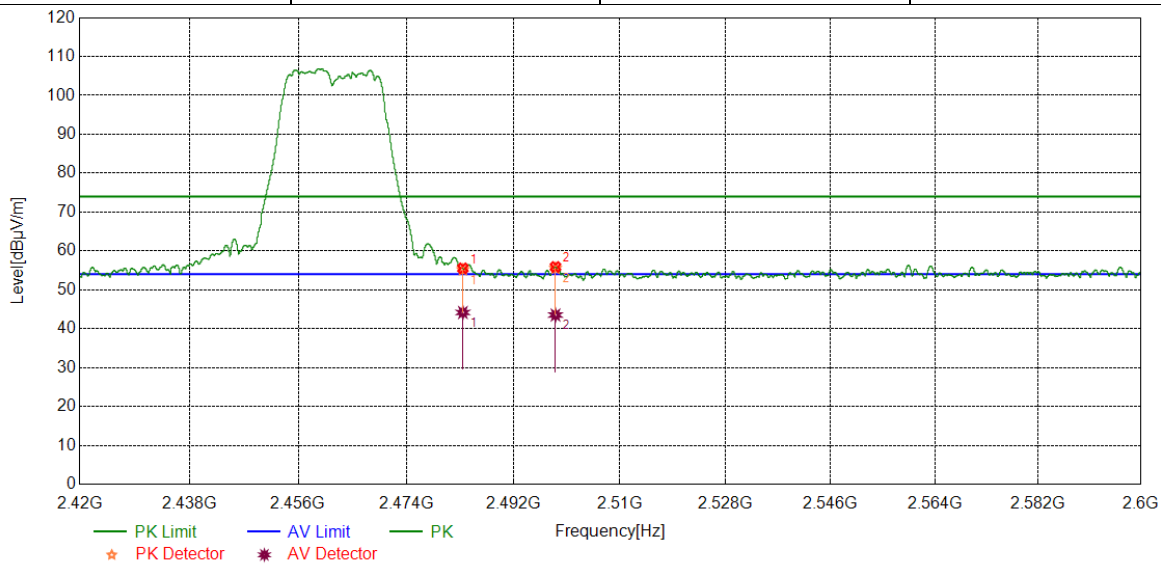


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2382.4166	45.37	13.06	58.43	74.00	-15.57	peak
		30.06	13.06	43.12	54.00	-10.88	average
2	2390.0000	42.60	13.07	55.67	74.00	-18.33	peak
		31.28	13.07	44.35	54.00	-9.65	average

- 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

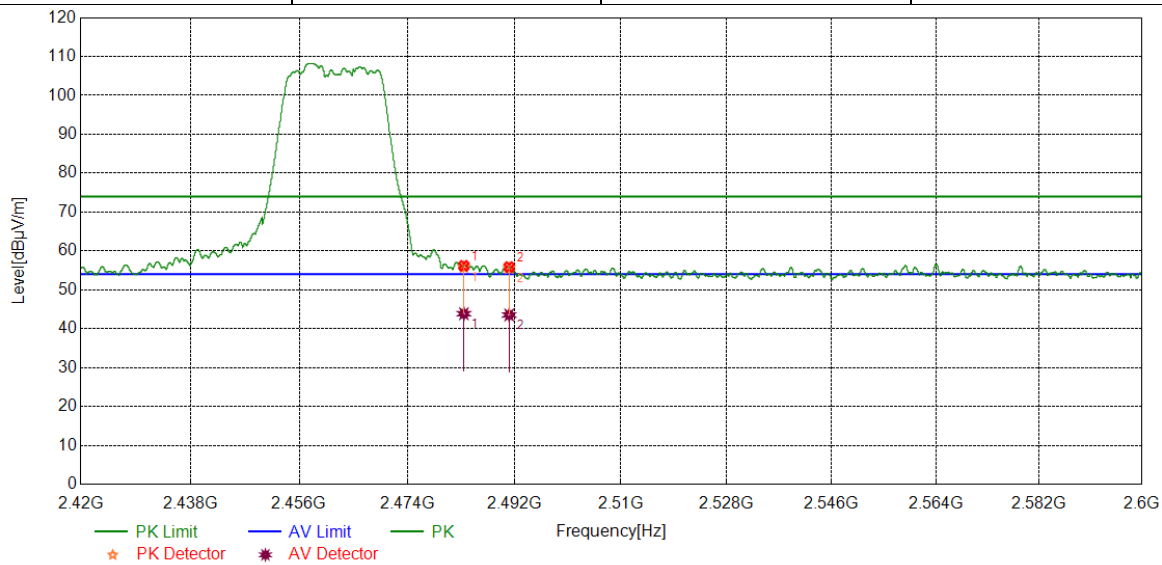


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	42.56	12.97	55.53	74.00	-18.47	peak
		31.20	12.97	44.17	54.00	-9.83	average
2	2499.0974	42.76	13.13	55.89	74.00	-18.11	peak
		30.39	13.13	43.52	54.00	-10.48	average

- 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

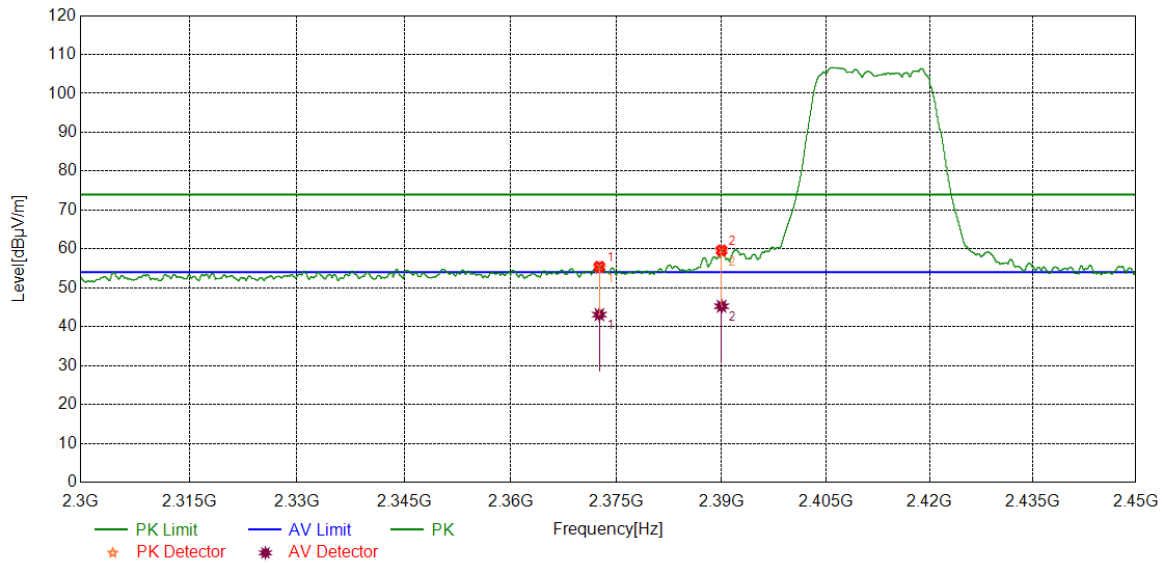


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	43.21	12.97	56.18	74.00	-17.82	peak
		30.88	12.97	43.85	54.00	-10.15	average
2	2491.1089	42.86	13.01	55.87	74.00	-18.13	peak
		30.53	13.01	43.54	54.00	-10.46	average

- 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

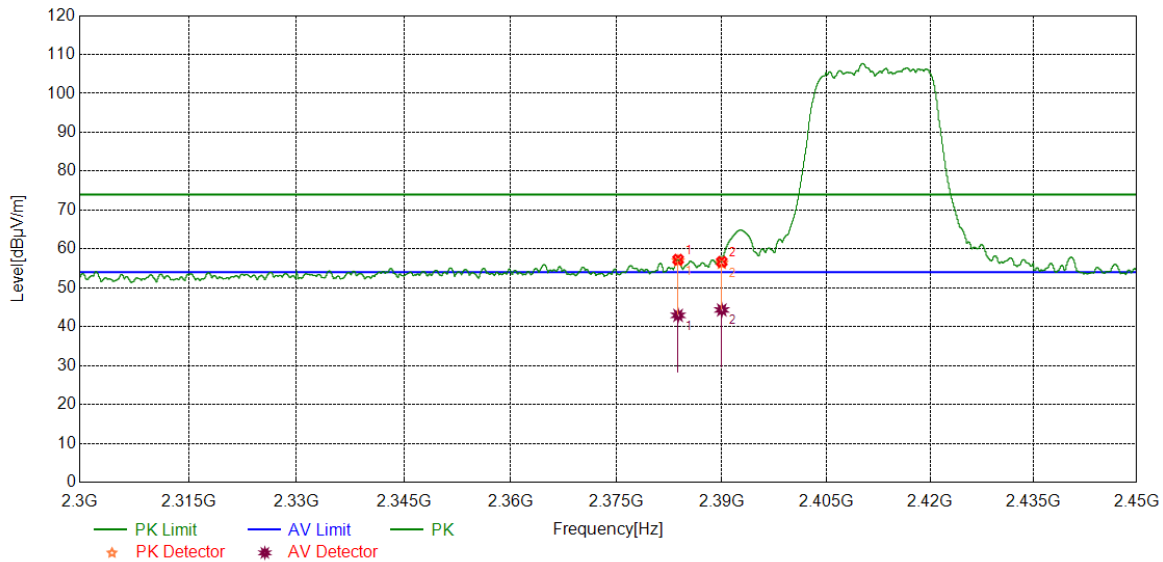


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2372.5716	42.48	12.96	55.44	74.00	-18.56	peak
		30.15	12.96	43.11	54.00	-10.89	average
2	2390.0000	46.55	13.07	59.62	74.00	-14.38	peak
		32.19	13.07	45.26	54.00	-8.74	average

- 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

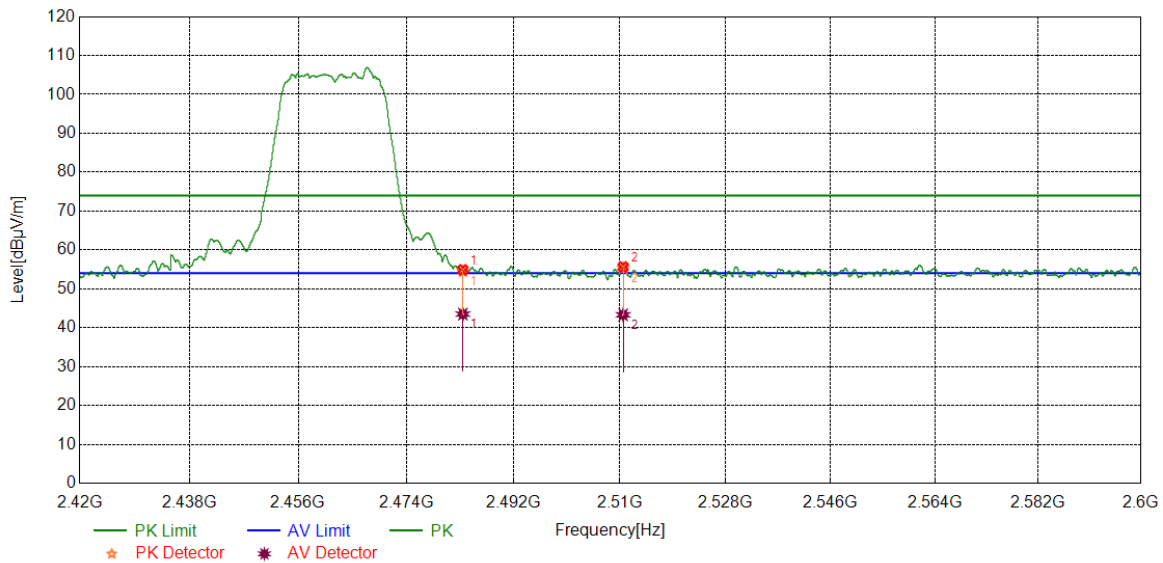


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2383.7667	44.19	13.06	57.25	74.00	16.75	peak
		29.86	13.06	42.92	54.00	11.08	average
2	2390.0000	43.61	13.07	56.68	74.00	17.32	peak
		31.24	13.07	44.31	54.00	9.69	average

- 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
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	43.59	12.97	56.56	74.00	-17.44	peak
		32.29	12.97	45.26	54.00	-8.74	average
2	2516.3120	43.36	13.21	56.57	74.00	-17.43	peak
		30.03	13.21	43.24	54.00	-10.76	average

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

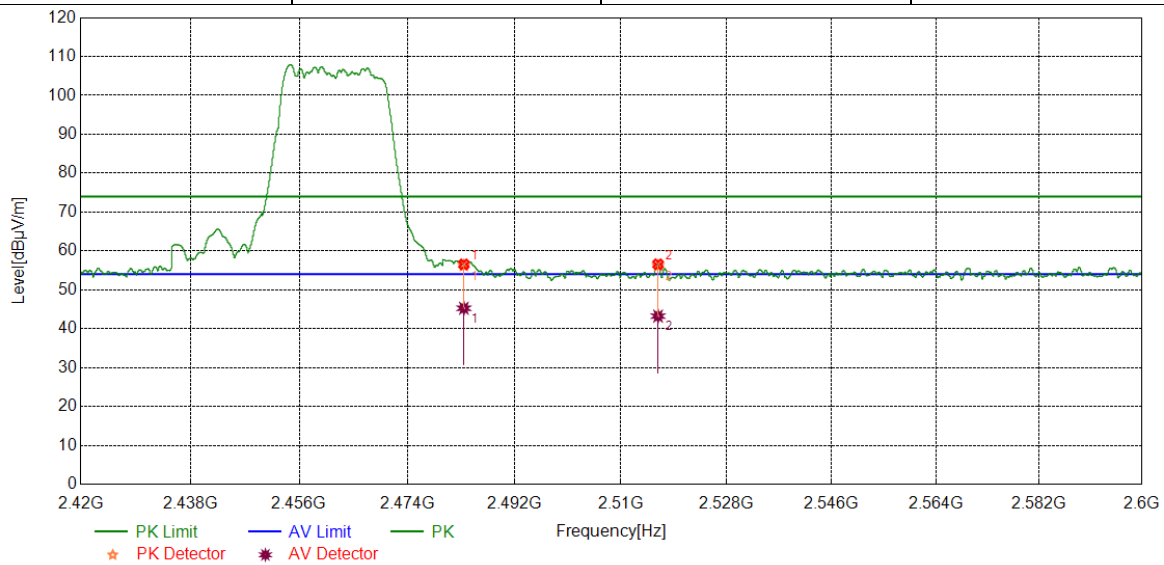
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

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	2372.5716	42.48	12.96	55.44	74.00	-18.56	peak
		30.15	12.96	43.11	54.00	-10.89	average
2	2390.0000	46.55	13.07	59.62	74.00	-14.38	peak
		32.19	13.07	45.26	54.00	-8.74	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.



7.6.4.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	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	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS



3) For 18GHz~26.5GHz

Test Mode	Channel	Puw(dBm)	Verdict
11B	MCH	<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
11B	MCH	<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
11B	MCH	<Limit	PASS

Remark:

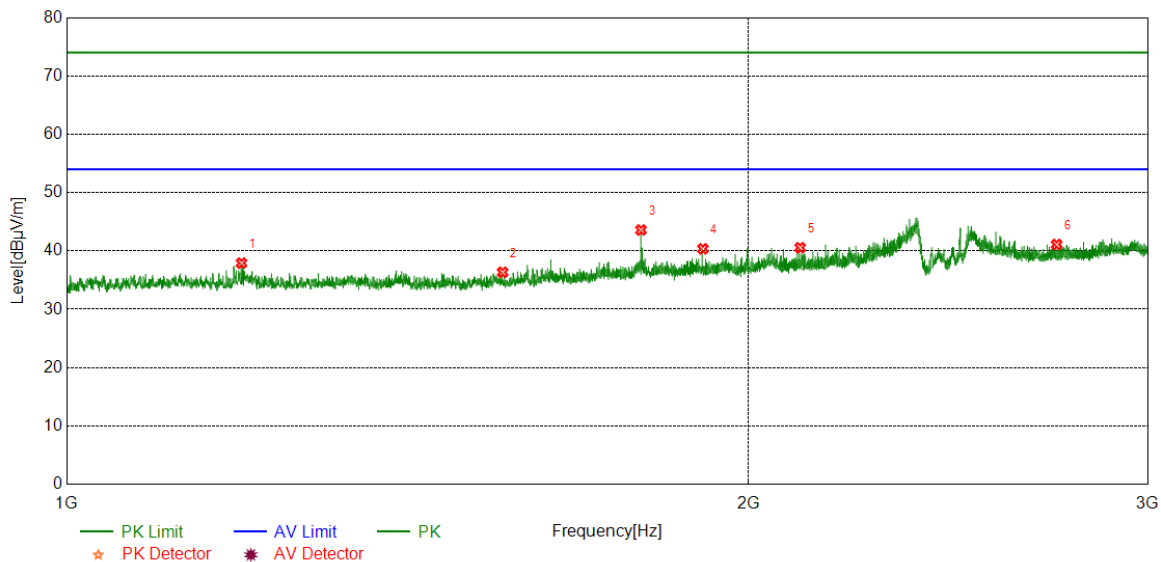
1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.



Part I: 1GHz~3GHz

HARMONICS AND SPURIOUS EMISSIONS

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

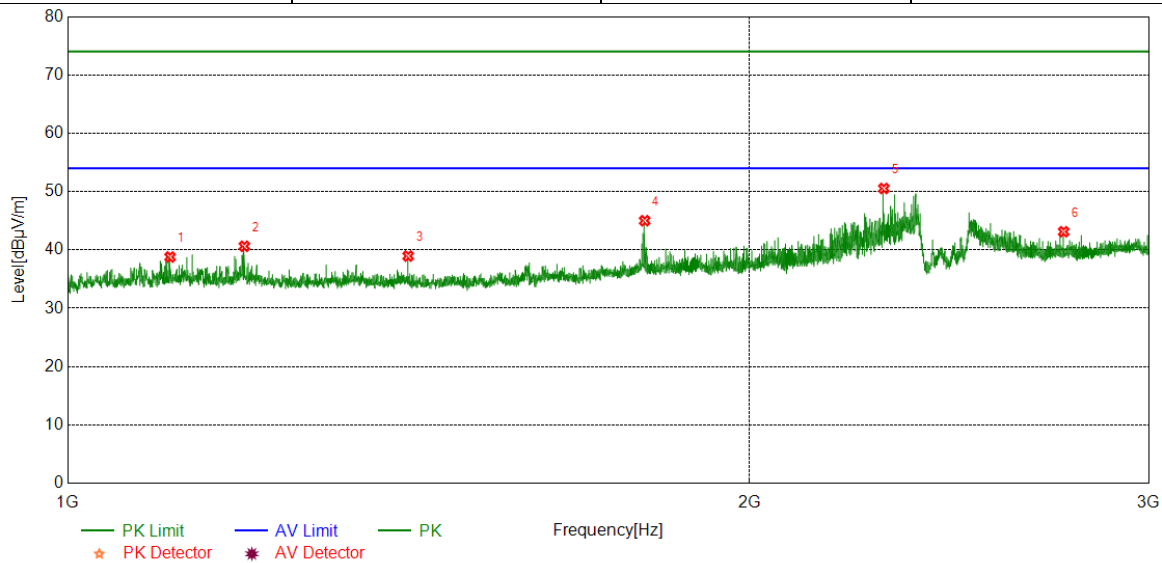


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1194.5243	43.48	-5.57	37.91	74.00	-36.09	peak
2	1557.5697	41.86	-5.52	36.34	74.00	-37.66	peak
3	1792.5991	47.35	-3.76	43.59	74.00	-30.41	peak
4	1909.1136	43.67	-3.31	40.36	74.00	-33.64	peak
5	2107.3884	43.10	-2.54	40.56	74.00	-33.44	peak
6	2734.9669	41.58	-0.48	41.10	74.00	-32.90	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	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1109.7637	44.29	-5.50	38.79	74.00	-35.21	peak
2	1196.7746	46.19	-5.56	40.63	74.00	-33.37	peak
3	1413.5517	44.47	-5.52	38.95	74.00	-35.05	peak
4	1797.5997	48.83	-3.82	45.01	74.00	-28.99	peak
5	2292.1615	52.46	-1.92	50.54	74.00	-23.46	peak
6	2751.7190	43.53	-0.41	43.12	74.00	-30.88	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.

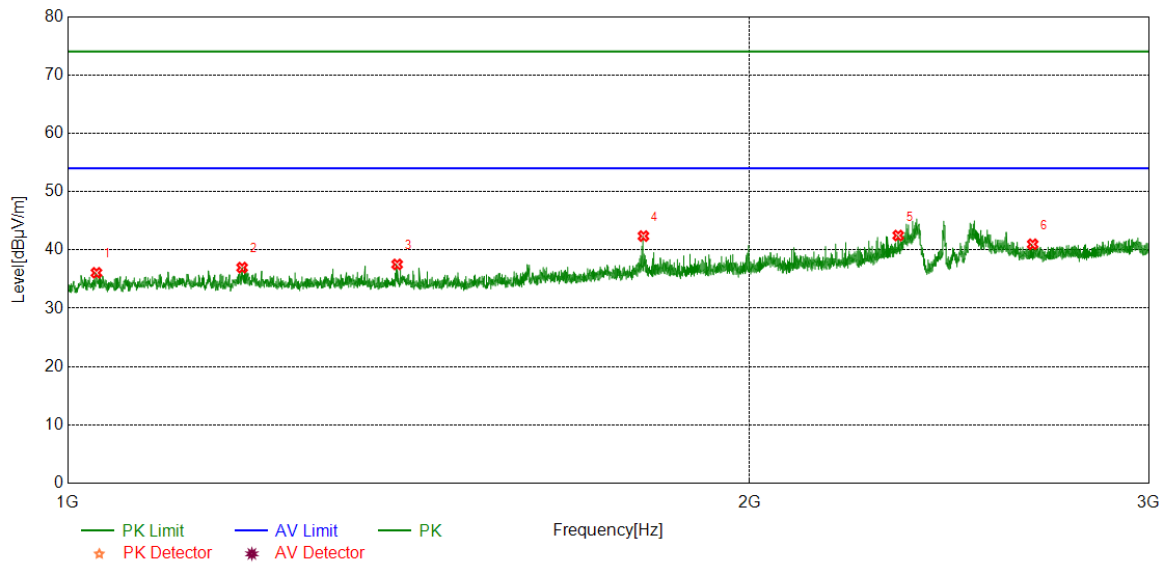
5. AVG: VBW refer to section 7.1.

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	1029.7537	41.02	-4.94	36.08	74.00	-37.92	peak
2	1194.0243	42.54	-5.57	36.97	74.00	-37.03	peak
3	1397.7997	43.20	-5.68	37.52	74.00	-36.48	peak
4	1795.3494	46.17	-3.79	42.38	74.00	-31.62	peak
5	2325.9157	44.23	-1.76	42.47	74.00	-31.53	peak
6	2666.4583	41.69	-0.71	40.98	74.00	-33.02	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.

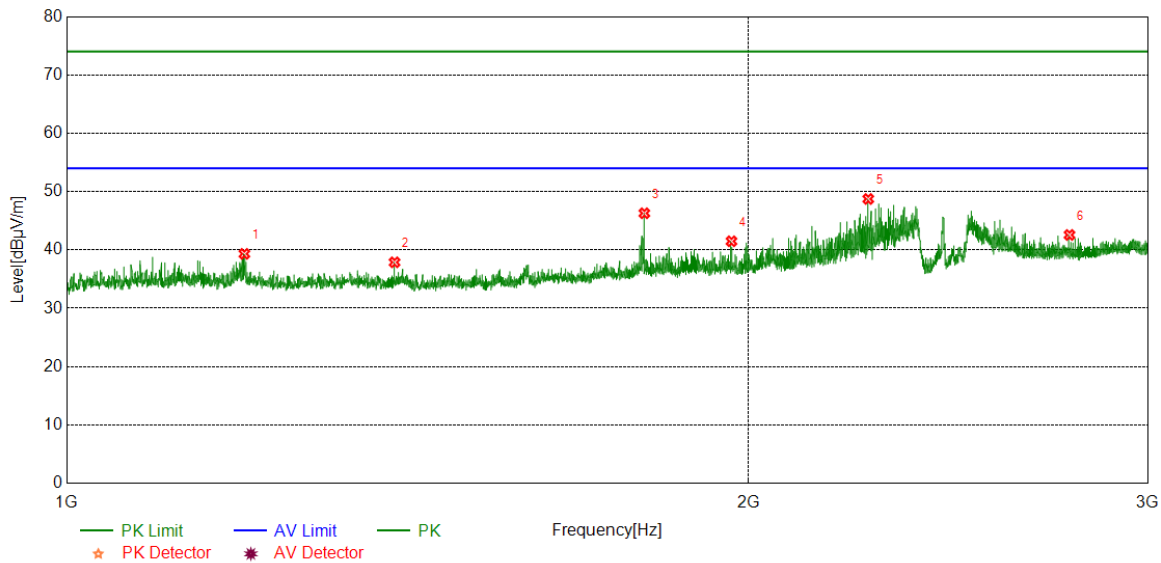
5. AVG: VBW refer to section 7.1.

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	1198.0248	44.89	-5.56	39.33	74.00	-34.67	peak
2	1395.5494	43.59	-5.71	37.88	74.00	-36.12	peak
3	1798.8499	50.12	-3.83	46.29	74.00	-27.71	peak
4	1965.3707	44.63	-3.14	41.49	74.00	-32.51	peak
5	2258.4073	50.85	-2.11	48.74	74.00	-25.26	peak
6	2770.9714	42.78	-0.21	42.57	74.00	-31.43	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.

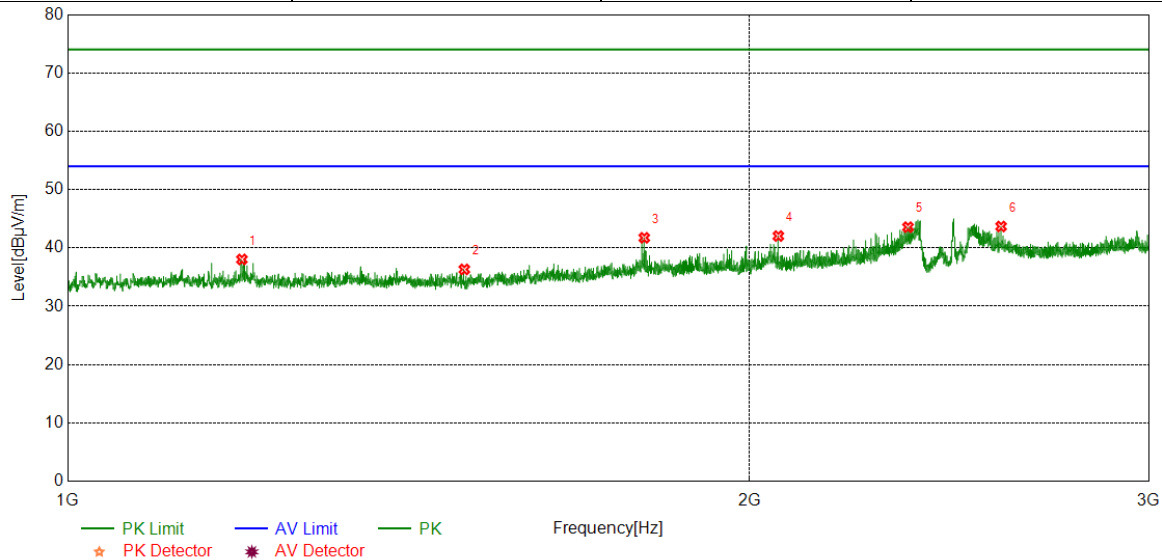
5. AVG: VBW refer to section 7.1.

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
11B	HCH	Horizontal	PASS

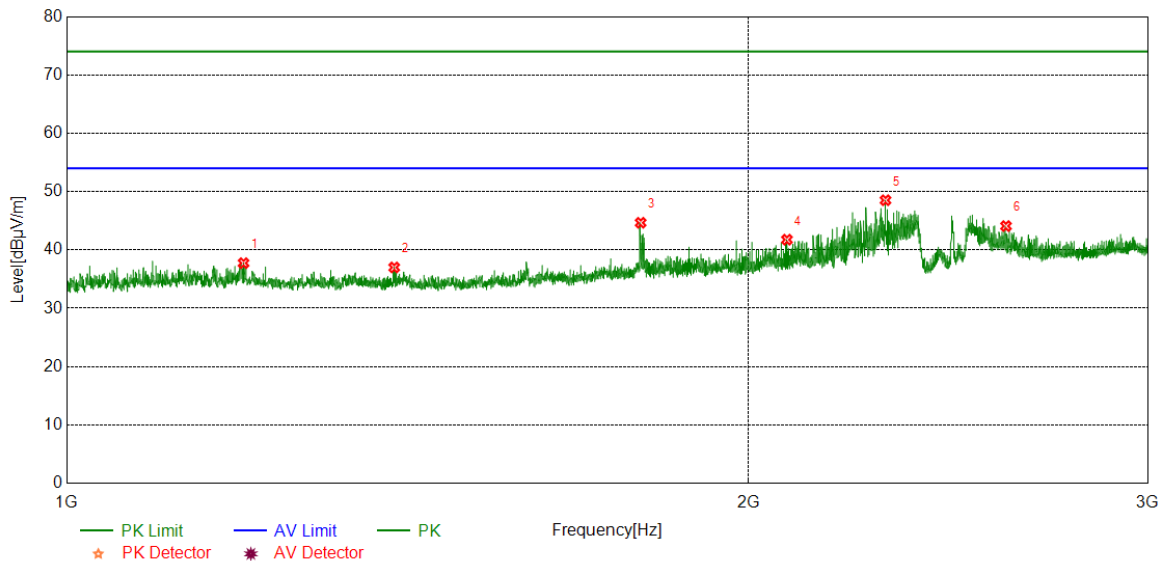


No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1193.7742	43.60	-5.57	38.03	74.00	-35.97	peak
2	1496.5621	42.26	-5.94	36.32	74.00	-37.68	peak
3	1796.8496	45.55	-3.81	41.74	74.00	-32.26	peak
4	2059.1324	44.65	-2.61	42.04	74.00	-31.96	peak
5	2349.1686	45.25	-1.69	43.56	74.00	-30.44	peak
6	2582.1978	44.61	-0.93	43.68	74.00	-30.32	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	1197.0246	43.30	-5.56	37.74	74.00	-36.26	peak
2	1395.0494	42.72	-5.72	37.00	74.00	-37.00	peak
3	1792.0990	48.42	-3.76	44.66	74.00	-29.34	peak
4	2079.3849	44.48	-2.72	41.76	74.00	-32.24	peak
5	2298.4123	50.39	-1.87	48.52	74.00	-25.48	peak
6	2597.6997	44.82	-0.73	44.09	74.00	-29.91	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.

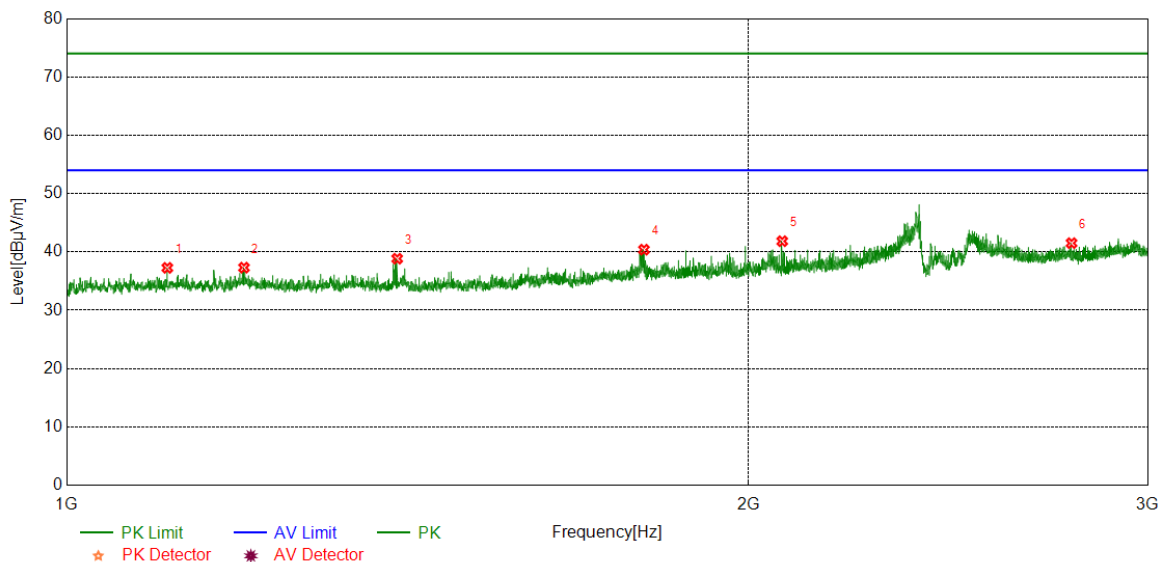
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses

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
11G	LCH	Horizontal	PASS

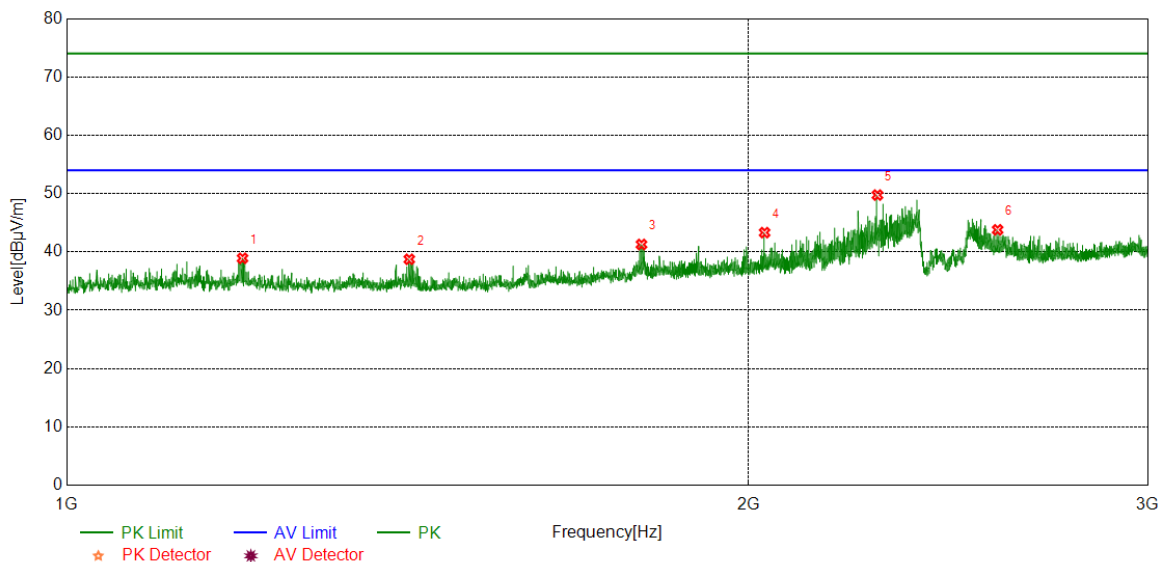


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1107.7635	42.79	-5.52	37.27	74.00	-36.73	peak
2	1197.5247	42.87	-5.56	37.31	74.00	-36.69	peak
3	1399.2999	44.50	-5.66	38.84	74.00	-35.16	peak
4	1798.0998	44.22	-3.83	40.39	74.00	-33.61	peak
5	2069.3837	44.65	-2.81	41.84	74.00	-32.16	peak
6	2776.7221	41.77	-0.26	41.51	74.00	-32.49	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	44.47	-5.56	38.91	74.00	-35.09	peak
2	1416.5521	44.39	-5.65	38.74	74.00	-35.26	peak
3	1793.5992	45.06	-3.78	41.28	74.00	-32.72	peak
4	2032.6291	45.95	-2.64	43.31	74.00	-30.69	peak
5	2279.6600	51.70	-1.95	49.75	74.00	-24.25	peak
6	2575.6970	44.69	-0.90	43.79	74.00	-30.21	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.

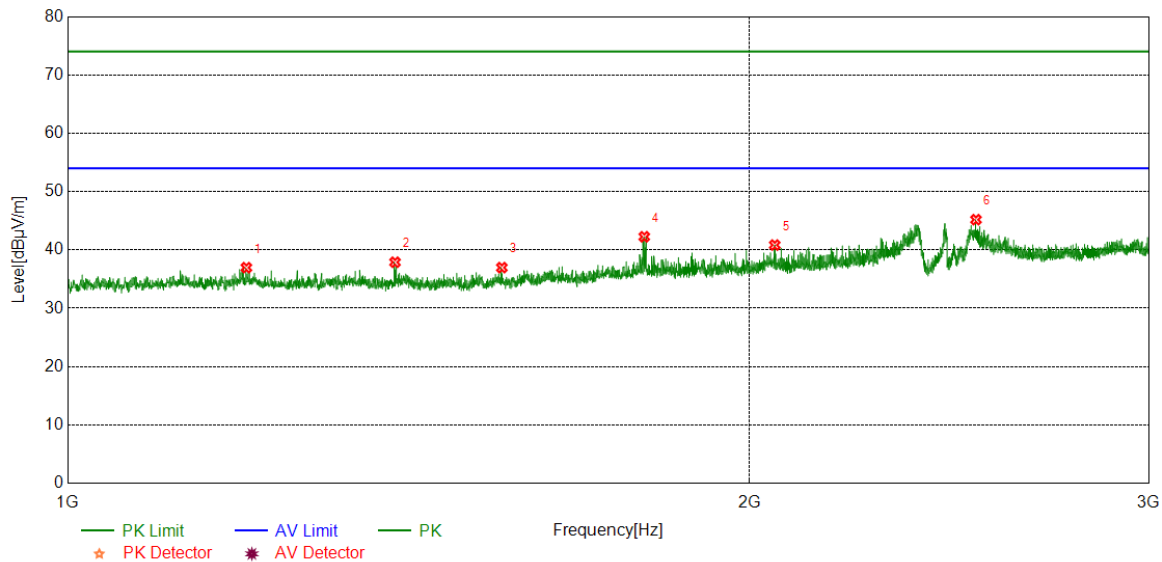
5. AVG: VBW refer to section 7.1.

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	1199.2749	42.52	-5.56	36.96	74.00	-37.04	peak
2	1394.7994	43.61	-5.72	37.89	74.00	-36.11	peak
3	1554.8194	42.45	-5.48	36.97	74.00	-37.03	peak
4	1796.8496	46.07	-3.81	42.26	74.00	-31.74	peak
5	2051.6315	43.26	-2.42	40.84	74.00	-33.16	peak
6	2517.1896	45.53	-0.34	45.19	74.00	-28.81	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.

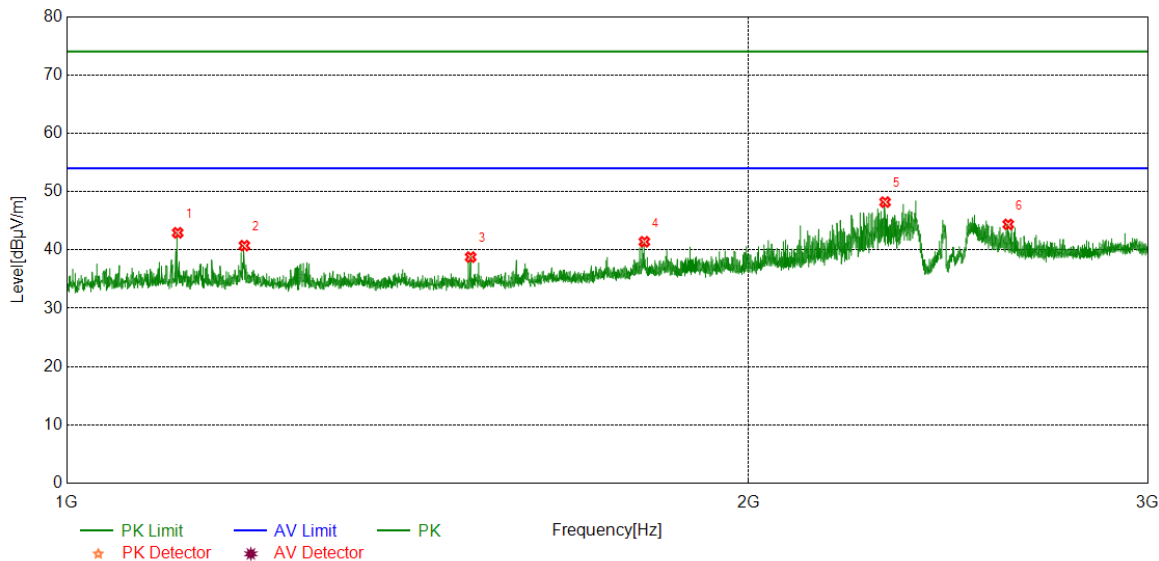
5. AVG: VBW refer to section 7.1.

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	1119.5149	48.42	-5.48	42.94	74.00	-31.06	peak
2	1198.0248	46.29	-5.56	40.73	74.00	-33.27	peak
3	1507.8135	44.51	-5.74	38.77	74.00	-35.23	peak
4	1798.8499	45.23	-3.83	41.40	74.00	-32.60	peak
5	2297.4122	50.08	-1.88	48.20	74.00	-25.80	peak
6	2603.7005	44.95	-0.57	44.38	74.00	-29.62	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.

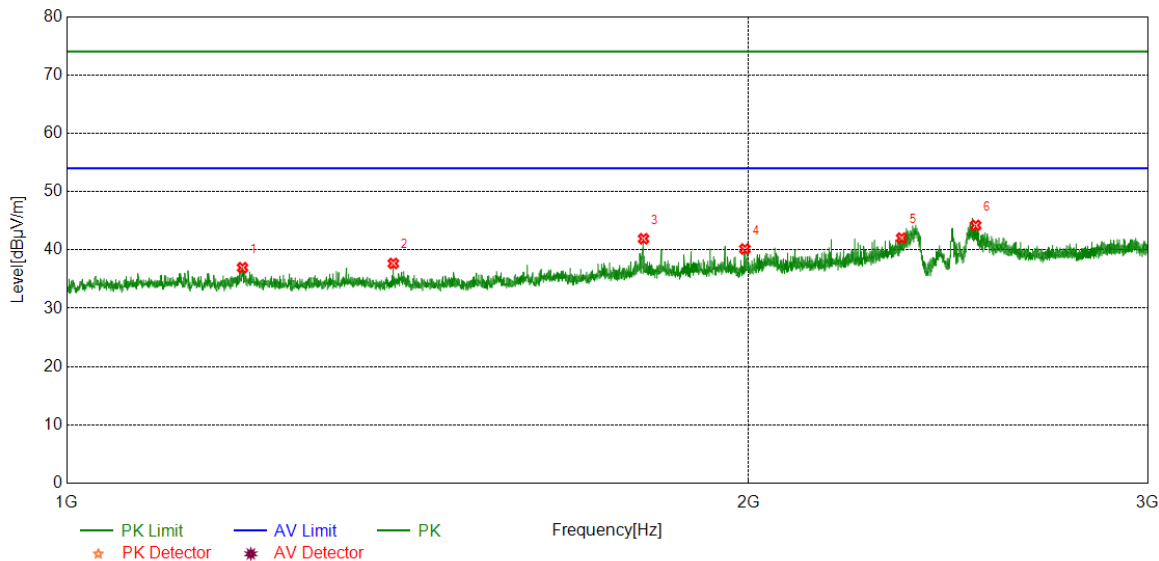
5. AVG: VBW refer to section 7.1.

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	1195.7745	42.52	-5.56	36.96	74.00	-37.04	peak
2	1393.7992	43.41	-5.73	37.68	74.00	-36.32	peak
3	1797.3497	45.74	-3.82	41.92	74.00	-32.08	peak
4	1992.3740	43.23	-3.07	40.16	74.00	-33.84	peak
5	2336.4171	43.85	-1.82	42.03	74.00	-31.97	peak
6	2519.1899	44.54	-0.33	44.21	74.00	-29.79	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.

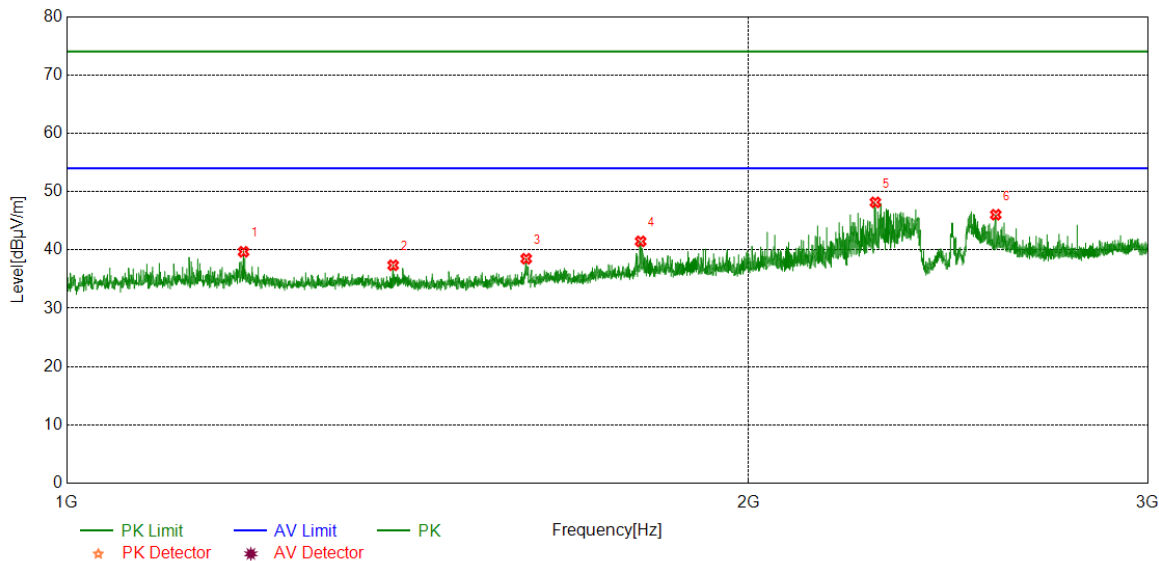
5. AVG: VBW refer to section 7.1.

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	1197.0246	45.24	-5.56	39.68	74.00	-34.32	peak
2	1393.5492	43.11	-5.74	37.37	74.00	-36.63	peak
3	1595.3244	43.56	-5.07	38.49	74.00	-35.51	peak
4	1792.0990	45.23	-3.76	41.47	74.00	-32.53	peak
5	2274.9094	50.18	-2.02	48.16	74.00	-25.84	peak
6	2570.9464	46.84	-0.80	46.04	74.00	-27.96	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.

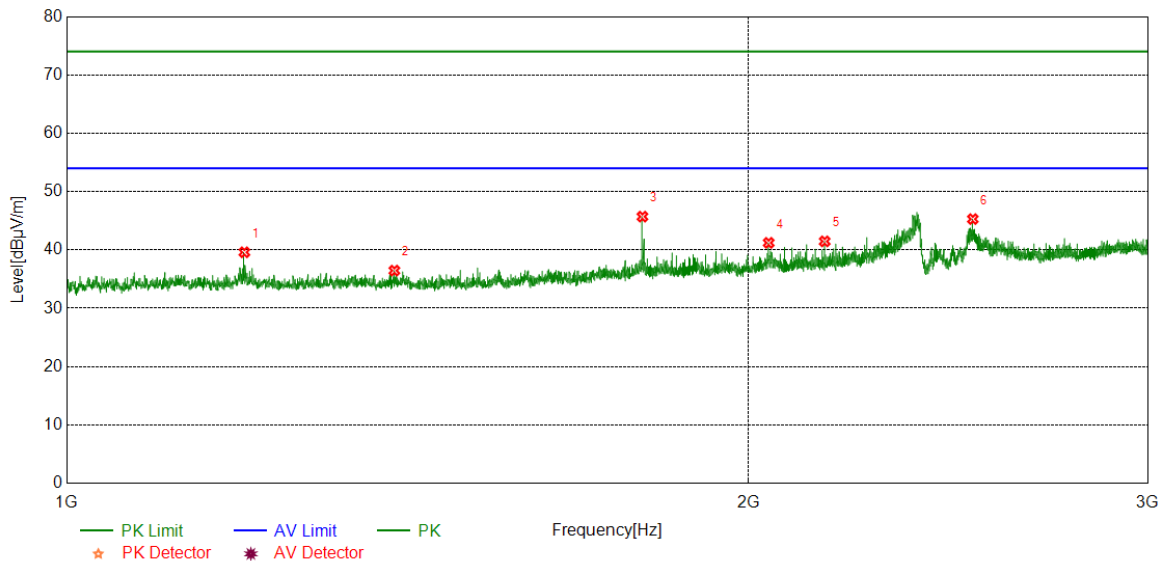
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses

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 HT20	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.0248	45.16	-5.56	39.60	74.00	-34.40	peak
2	1395.2994	42.17	-5.71	36.46	74.00	-37.54	peak
3	1795.3494	49.50	-3.79	45.71	74.00	-28.29	peak
4	2041.1301	43.61	-2.39	41.22	74.00	-32.78	peak
5	2160.6451	43.99	-2.52	41.47	74.00	-32.53	peak
6	2511.6890	45.67	-0.38	45.29	74.00	-28.71	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.

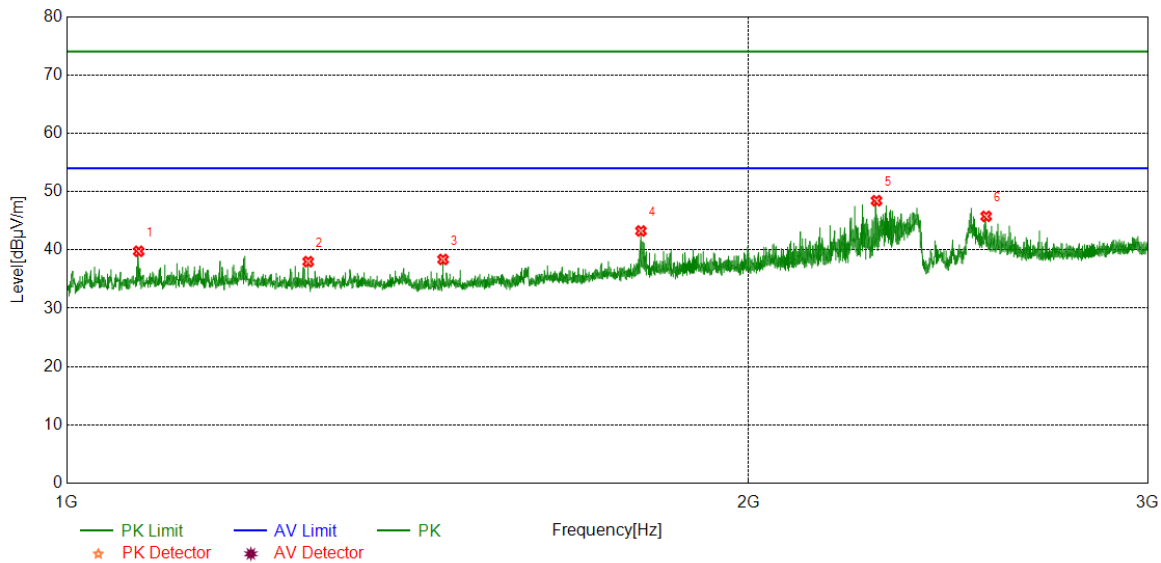
5. AVG: VBW refer to section 7.1.

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	1076.0095	45.14	-5.37	39.77	74.00	-34.23	peak
2	1278.2848	43.58	-5.59	37.99	74.00	-36.01	peak
3	1466.0583	44.23	-5.86	38.37	74.00	-35.63	peak
4	1792.5991	47.01	-3.76	43.25	74.00	-30.75	peak
5	2277.4097	50.42	-1.98	48.44	74.00	-25.56	peak
6	2545.9432	46.73	-0.97	45.76	74.00	-28.24	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.

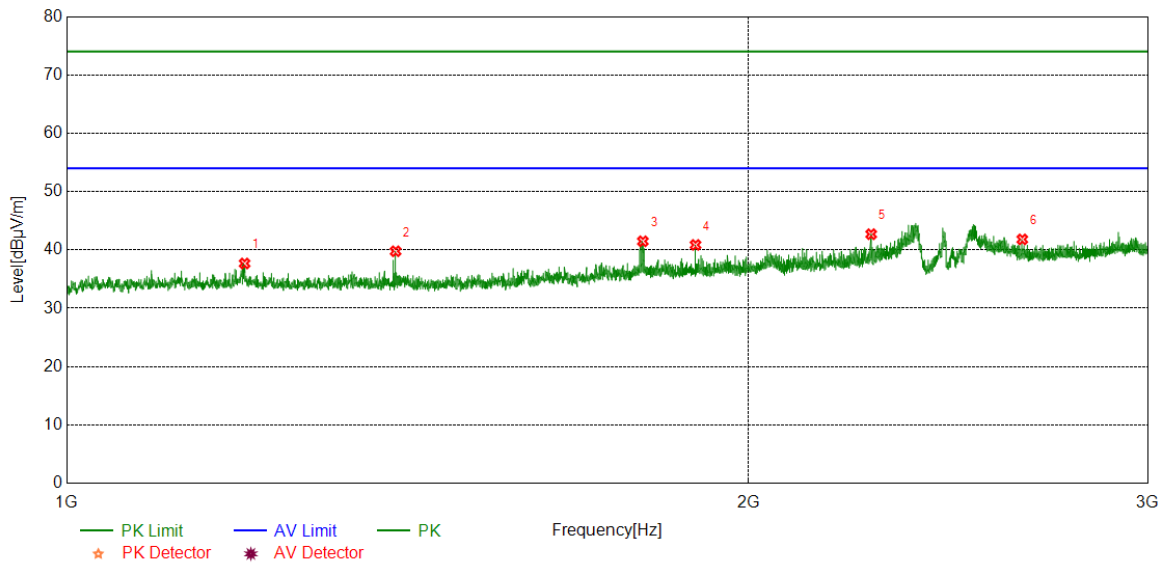
5. AVG: VBW refer to section 7.1.

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
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	1198.2748	43.24	-5.56	37.68	74.00	-36.32	peak
2	1397.0496	45.46	-5.69	39.77	74.00	-34.23	peak
3	1796.0995	45.28	-3.80	41.48	74.00	-32.52	peak
4	1894.8619	44.29	-3.43	40.86	74.00	-33.14	peak
5	2265.1581	44.81	-2.11	42.70	74.00	-31.30	peak
6	2641.2052	42.63	-0.82	41.81	74.00	-32.19	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.

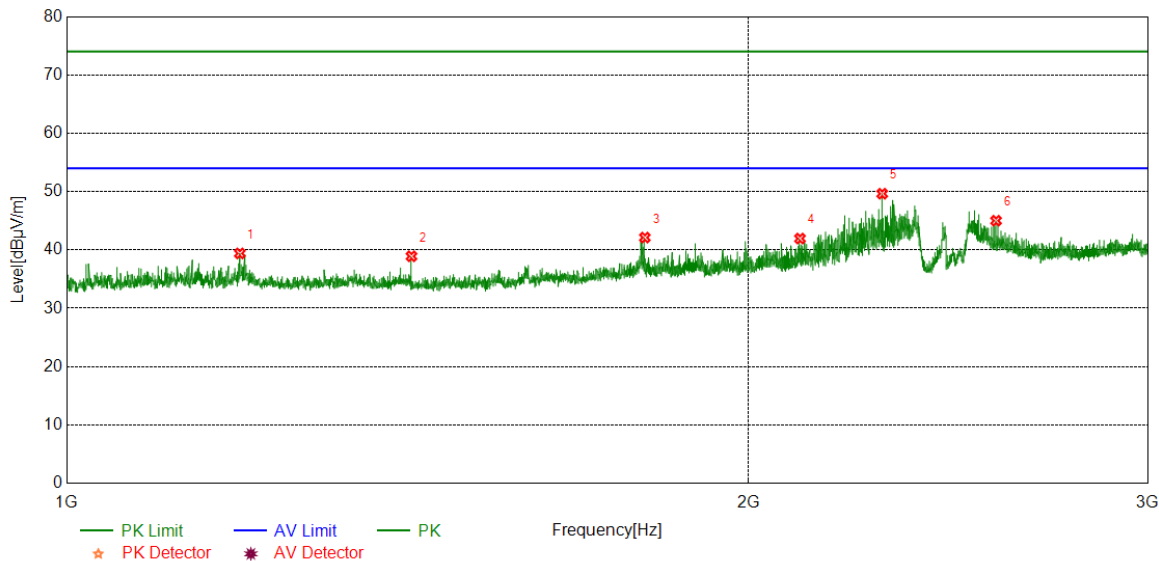
5. AVG: VBW refer to section 7.1.

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	1192.5241	44.97	-5.57	39.40	74.00	-34.60	peak
2	1419.8025	44.70	-5.79	38.91	74.00	-35.09	peak
3	1799.8500	45.96	-3.84	42.12	74.00	-31.88	peak
4	2107.1384	44.49	-2.54	41.95	74.00	-32.05	peak
5	2290.6613	51.57	-1.93	49.64	74.00	-24.36	peak
6	2571.6965	45.83	-0.82	45.01	74.00	-28.99	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.

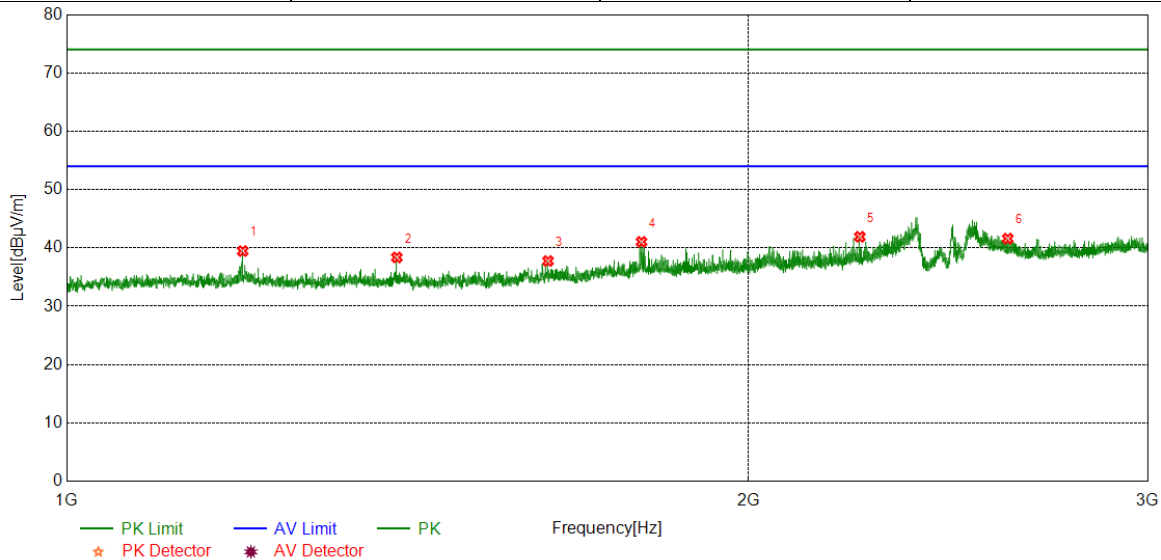
6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses

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	1196.0245	45.02	-5.56	39.46	74.00	-34.54	peak
2	1398.7999	44.04	-5.67	38.37	74.00	-35.63	peak
3	1631.0789	42.83	-5.07	37.76	74.00	-36.24	peak
4	1793.5992	44.82	-3.78	41.04	74.00	-32.96	peak
5	2239.1549	44.18	-2.27	41.91	74.00	-32.09	peak
6	2602.4503	42.22	-0.62	41.60	74.00	-32.40	peak

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Peak: Peak detector.

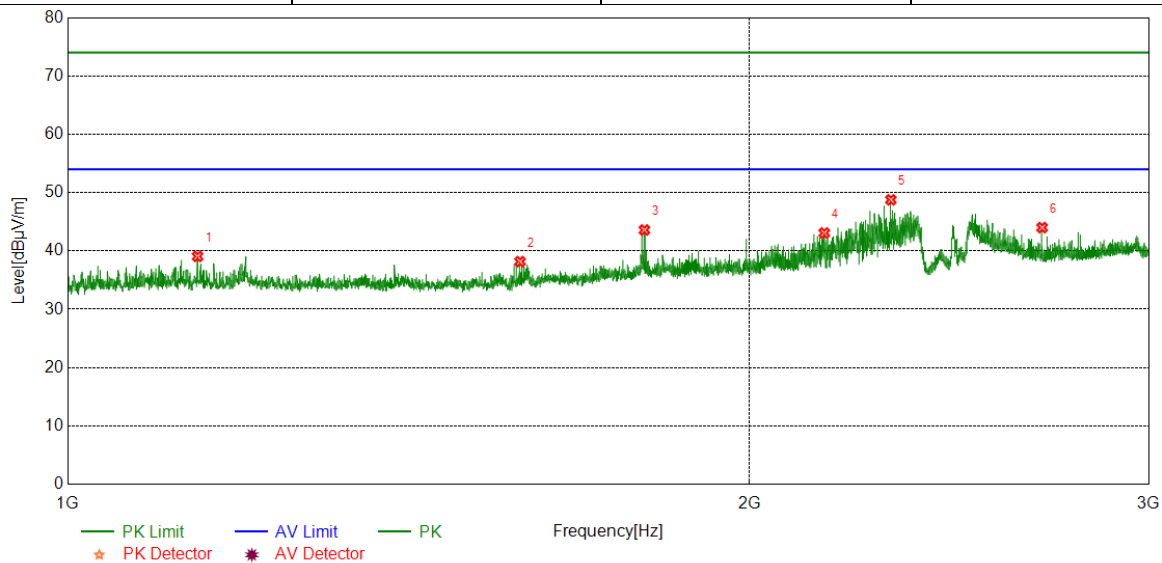
5. AVG: VBW refer to section 7.1.

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	1141.2677	44.61	-5.55	39.06	74.00	-34.94	peak
2	1583.8230	43.43	-5.26	38.17	74.00	-35.83	peak
3	1797.0996	47.40	-3.81	43.59	74.00	-30.41	peak
4	2157.6447	45.57	-2.50	43.07	74.00	-30.93	peak
5	2308.6636	50.44	-1.68	48.76	74.00	-25.24	peak
6	2692.2115	44.54	-0.54	44.00	74.00	-30.00	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.

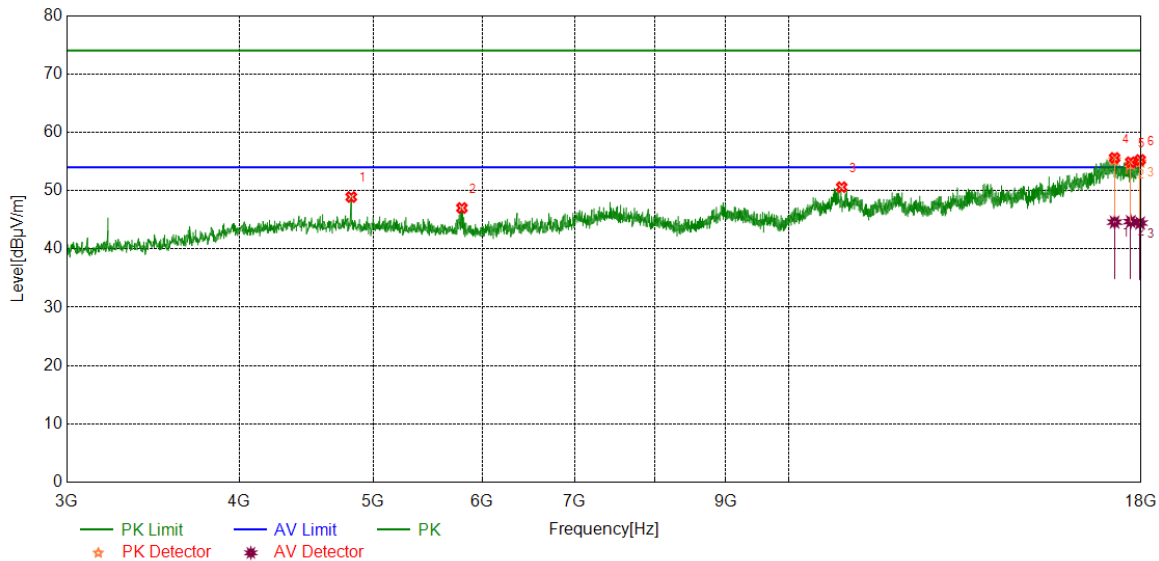
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Part II: 3GHz~18GHz

HARMONICS AND SPURIOUS EMISSIONS

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

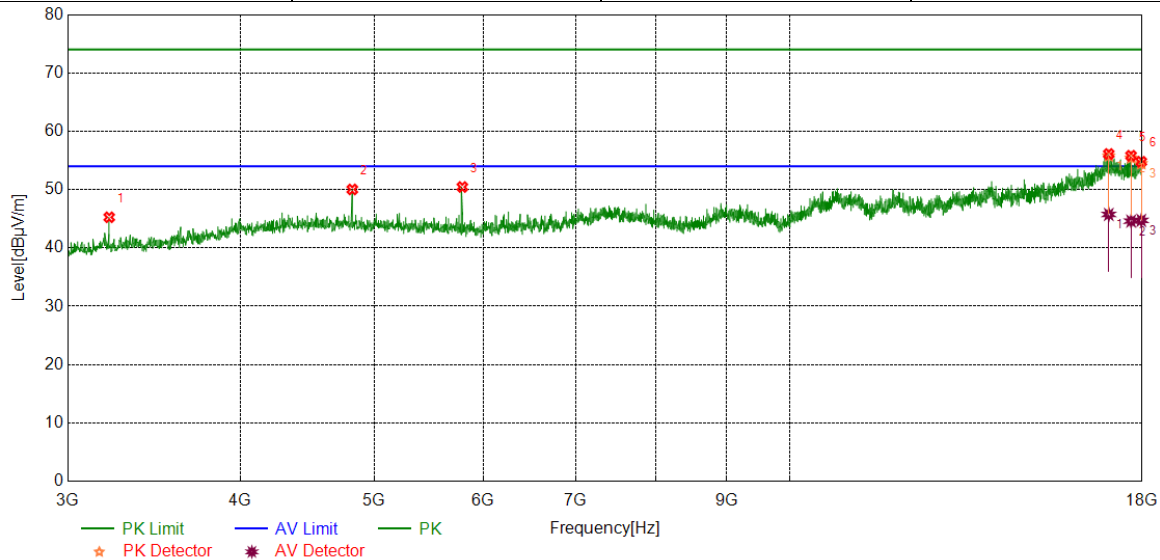


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4822.7278	43.55	5.35	48.90	74.00	-25.10	peak
2	5799.7250	41.60	5.42	47.02	74.00	-26.98	peak
3	10924.7406	38.21	12.38	50.59	74.00	-23.41	peak
4	17221.7777	38.05	17.56	55.61	74.00	-18.39	peak
		27.04	17.56	44.60	54.00	-9.40	average
5	17690.5863	36.93	17.94	54.87	74.00	-19.13	peak
		26.75	17.94	44.69	54.00	-9.31	average
6	17971.8715	37.51	17.75	55.26	74.00	-18.74	peak
		26.69	17.75	44.44	54.00	-9.56	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

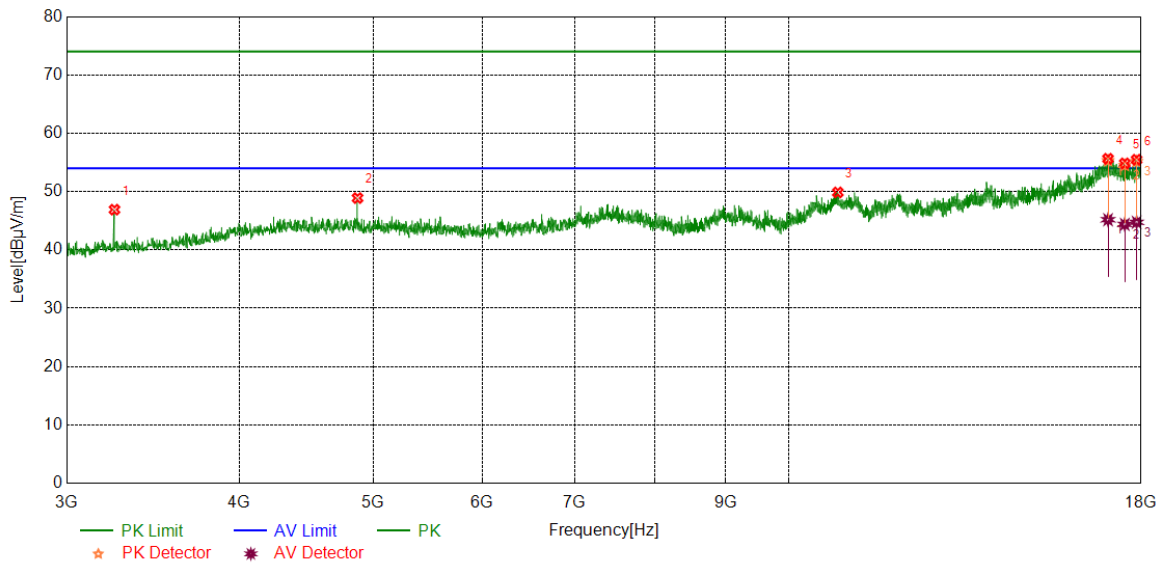


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3215.6520	44.38	0.88	45.26	74.00	-28.74	peak
2	4822.7278	44.68	5.35	50.03	74.00	-23.97	peak
3	5794.0993	45.14	5.31	50.45	74.00	-23.55	peak
4	17026.7533	37.30	18.81	56.11	74.00	-17.89	peak
		26.93	18.81	45.74	54.00	-8.26	average
5	17671.834	38.12	17.69	55.81	74.00	-18.19	peak
		26.91	17.69	44.60	54.00	-9.40	average
6	17975.622	36.86	17.92	54.78	74.00	-19.22	peak
		26.81	17.92	44.73	54.00	-9.27	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	3249.4062	45.88	1.03	46.91	74.00	-27.09	peak
2	4873.3592	43.57	5.32	48.89	74.00	-25.11	peak
3	10855.3569	37.58	12.29	49.87	74.00	-24.13	peak
4	17034.2543	36.66	18.97	55.63	74.00	-18.37	peak
		26.21	18.97	45.18	54.00	-8.82	average
5	17516.1895	37.10	17.74	54.84	74.00	-19.16	peak
		26.64	17.74	44.38	54.00	-9.62	average
6	17864.9831	37.05	18.42	55.47	74.00	-18.53	peak
		26.32	18.42	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.

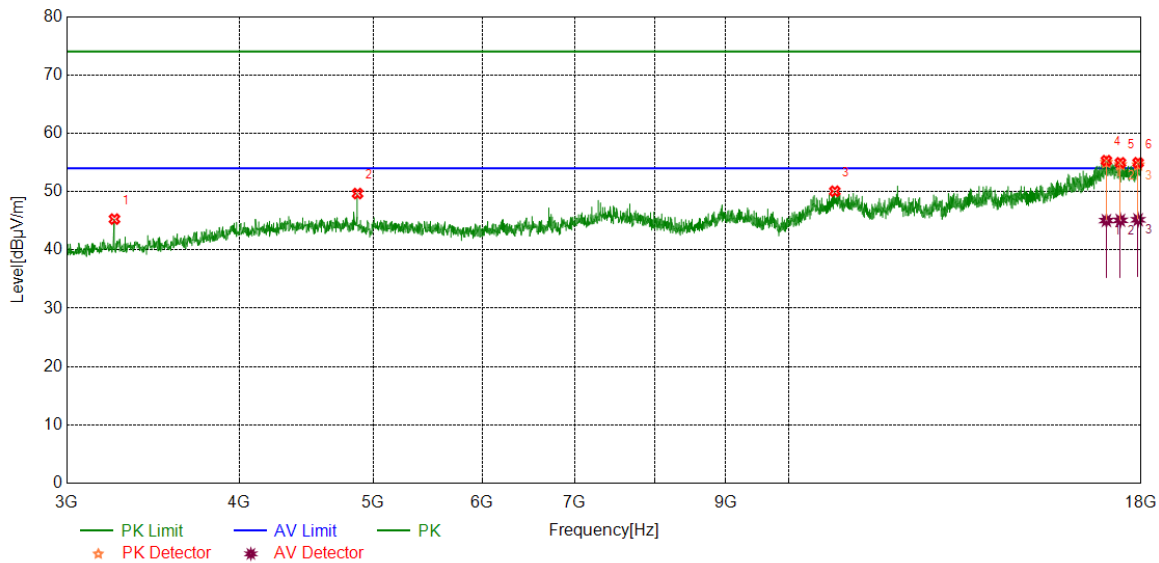
5. AVG: VBW refer to section 7.1.

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	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3249.4062	44.26	1.03	45.29	74.00	-28.71	peak
2	4873.3592	44.35	5.32	49.67	74.00	-24.33	peak
3	10800.9751	38.00	12.06	50.06	74.00	-23.94	peak
4	16987.3734	36.53	18.77	55.30	74.00	-18.70	peak
		26.27	18.77	45.04	54.00	-8.96	average
5	17388.6736	37.04	17.89	54.93	74.00	-19.07	peak
		27.19	17.89	45.08	54.00	-8.92	average
6	17909.9887	36.66	18.28	54.94	74.00	-19.06	peak
		26.89	18.28	45.17	54.00	-8.83	average

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Peak: Peak detector.

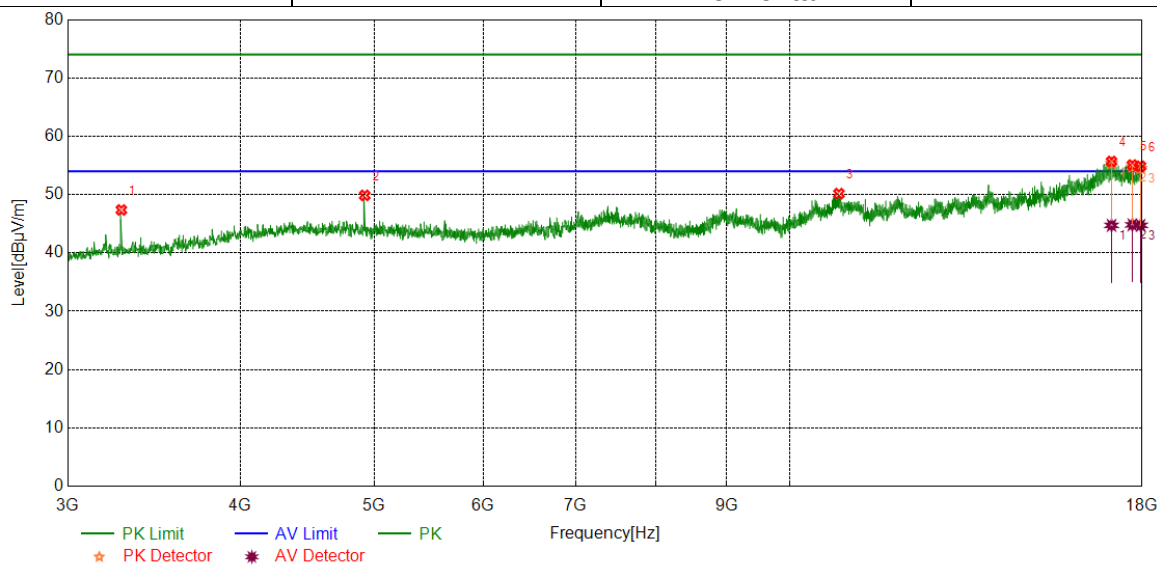
5. AVG: VBW refer to section 7.1.

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	3281.2852	45.91	1.46	47.37	74.00	-26.63	peak
2	4923.9905	44.69	5.18	49.87	74.00	-24.13	peak
3	10857.2322	37.93	12.24	50.17	74.00	-23.83	peak
4	17105.5132	37.52	18.16	55.68	74.00	-18.32	peak
		26.57	18.16	44.73	54.00	-9.27	average
5	17707.4634	37.41	17.66	55.07	74.00	-18.93	peak
		27.16	17.66	44.82	54.00	-9.18	average
6	17954.9944	36.34	18.52	54.86	74.00	-19.14	peak
		26.21	18.52	44.73	54.00	-9.27	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.

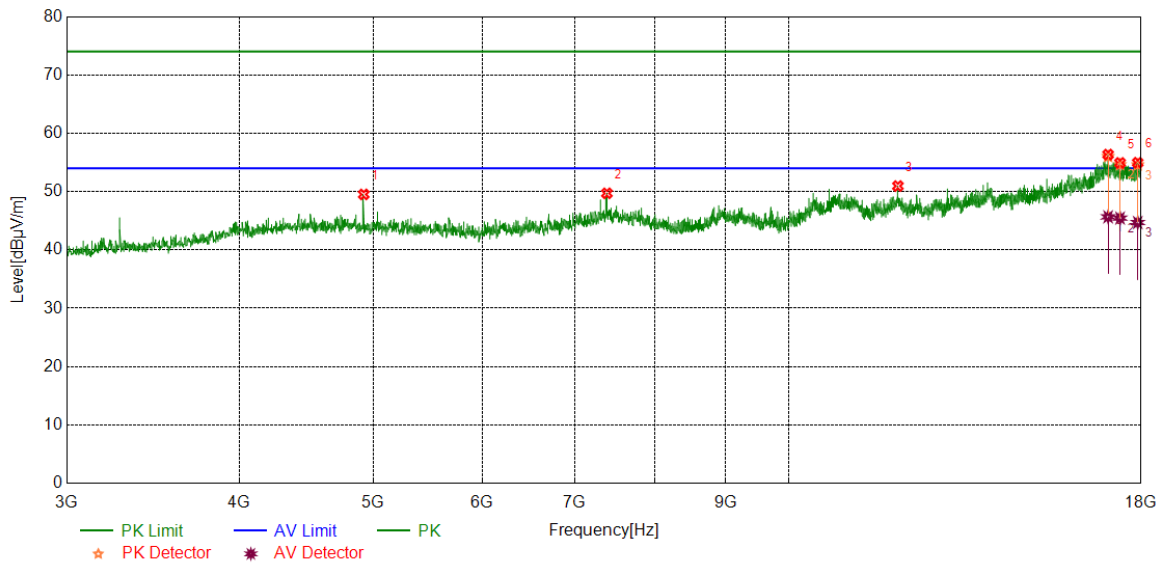
5. AVG: VBW refer to section 7.1.

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	44.34	5.18	49.52	74.00	-24.48	peak
2	7386.1733	41.12	8.59	49.71	74.00	-24.29	peak
3	11999.2499	37.99	12.97	50.96	74.00	-23.04	peak
4	17036.1295	37.41	18.94	56.35	74.00	-17.65	peak
		26.73	18.94	45.67	54.00	-8.33	average
5	17379.2974	36.32	18.60	54.92	74.00	-19.08	peak
		26.86	18.60	45.46	54.00	-8.54	average
6	17898.7373	36.54	18.42	54.96	74.00	-19.04	peak
		26.28	18.42	44.70	54.00	-9.30	average

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Peak: Peak detector.

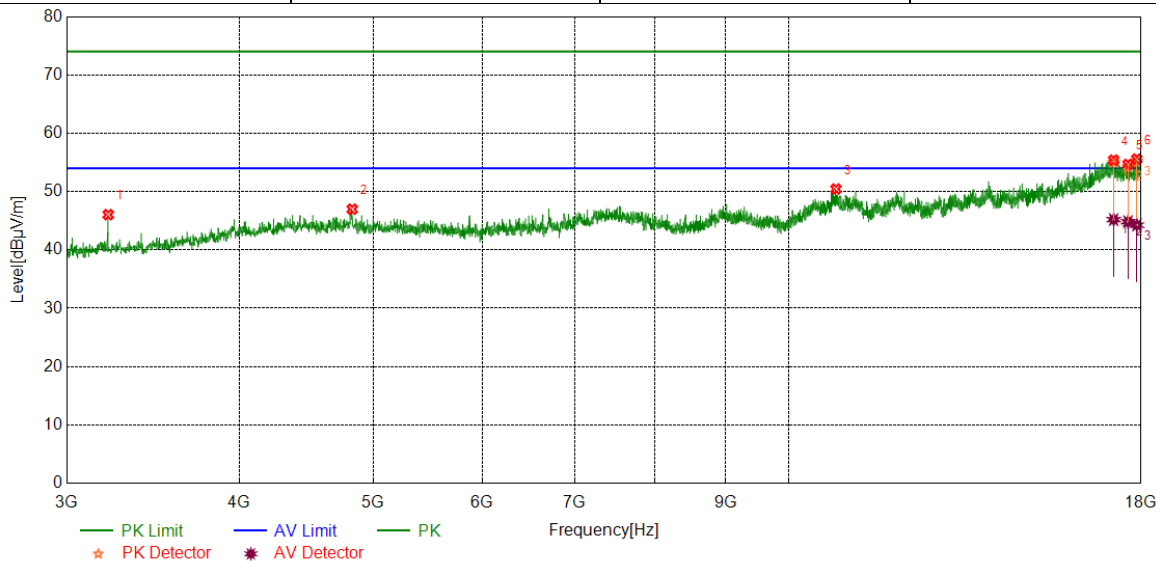
5. AVG: VBW refer to section 7.1.

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

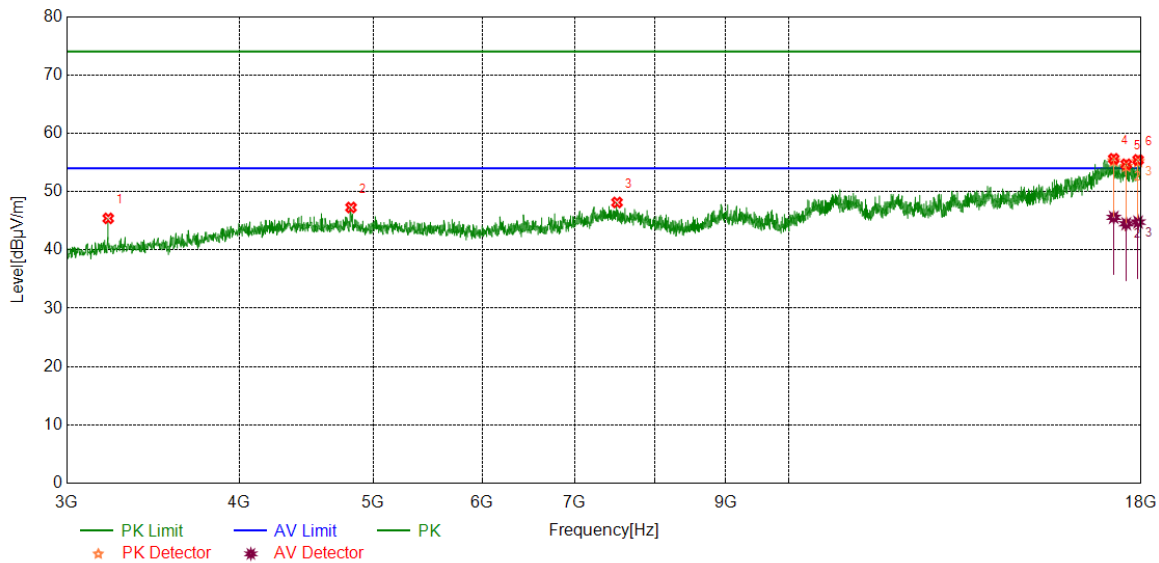


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3215.6520	45.17	0.88	46.05	74.00	-27.95	peak
2	4830.2288	41.46	5.53	46.99	74.00	-27.01	peak
3	10821.6027	38.25	12.19	50.44	74.00	-23.56	peak
4	17195.5244	37.12	18.28	55.40	74.00	-18.60	peak
		26.92	18.28	45.20	54.00	-8.80	average
5	17609.9512	36.79	17.87	54.66	74.00	-19.34	peak
		26.97	17.87	44.84	54.00	-9.16	average
6	17872.4841	37.27	18.30	55.57	74.00	-18.43	peak
		25.95	18.30	44.25	54.00	-9.75	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW 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	3215.6520	44.53	0.88	45.41	74.00	-28.59	peak
2	4820.8526	41.97	5.31	47.28	74.00	-26.72	peak
3	7511.8140	39.50	8.64	48.14	74.00	-25.86	peak
4	17197.3997	37.31	18.31	55.62	74.00	-18.38	peak
		27.28	18.31	45.59	54.00	-8.41	average
5	17559.3199	36.79	17.90	54.69	74.00	-19.31	peak
		26.59	17.90	44.49	54.00	-9.51	average
6	17909.9887	37.16	18.28	55.44	74.00	-18.56	peak
		26.49	18.28	44.77	54.00	-9.23	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.

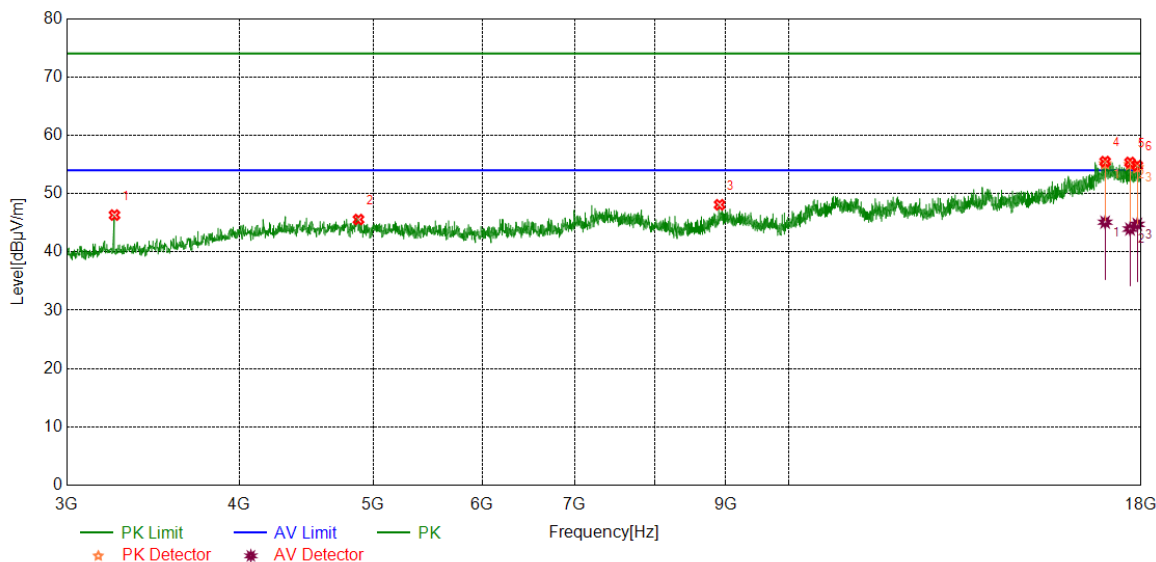
5. AVG: VBW refer to section 7.1.

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	3249.4062	45.29	1.03	46.32	74.00	-27.68	peak
2	4880.8601	40.23	5.33	45.56	74.00	-28.44	peak
3	8912.6141	39.56	8.53	48.09	74.00	-25.91	peak
4	16951.744	37.09	18.40	55.49	74.00	-18.51	peak
		26.70	18.40	45.10	54.00	-8.90	average
5	17669.9587	37.71	17.63	55.34	74.00	-18.66	peak
		26.30	17.63	43.93	54.00	-10.07	average
6	17887.4859	36.34	18.45	54.79	74.00	-19.21	peak
		26.28	18.45	44.73	54.00	-9.27	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.

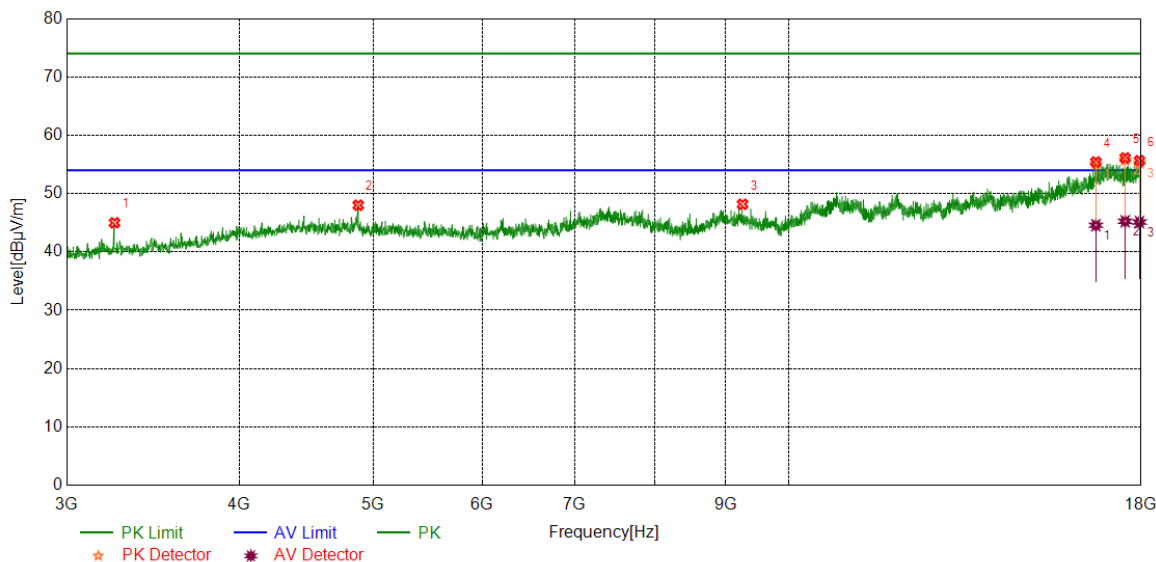
5. AVG: VBW refer to section 7.1.

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

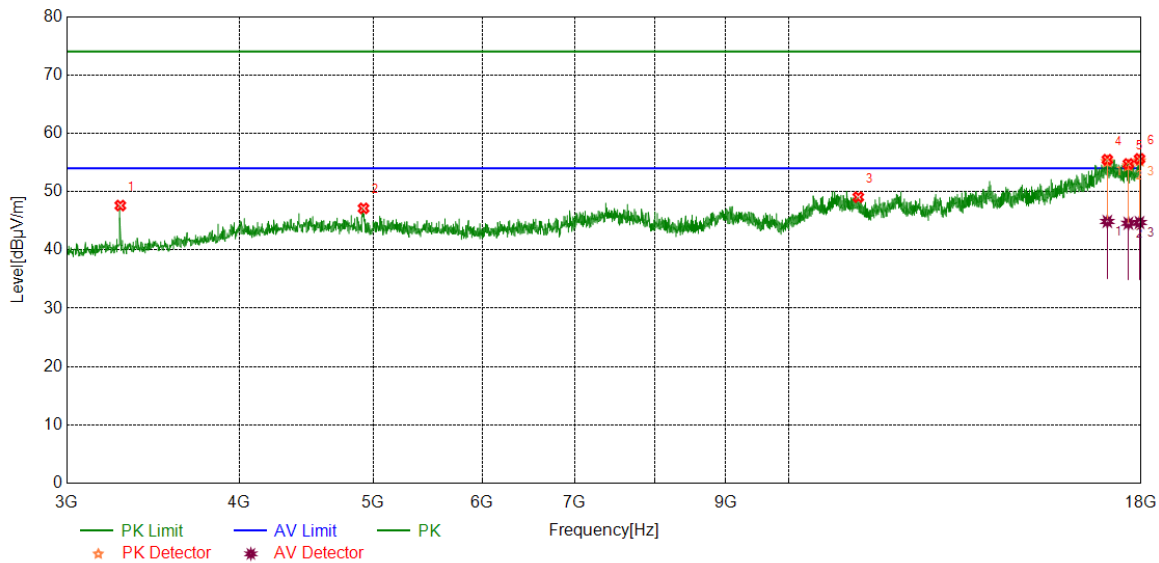


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3249.4062	43.97	1.03	45.00	74.00	-29.00	peak
2	4878.9849	42.68	5.33	48.01	74.00	-25.99	peak
3	9261.4077	39.38	8.79	48.17	74.00	-25.83	peak
4	16692.9616	37.31	18.11	55.42	74.00	-18.58	peak
		26.46	18.11	44.57	54.00	-9.43	average
5	17527.4409	38.24	17.87	56.11	74.00	-17.89	peak
		27.38	17.87	45.25	54.00	-8.75	average
6	17953.1191	37.09	18.54	55.63	74.00	-18.37	peak
		26.58	18.54	45.12	54.00	-8.88	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	3281.2852	46.15	1.46	47.61	74.00	-26.39	peak
2	4922.1153	41.94	5.19	47.13	74.00	-26.87	peak
3	11232.2790	37.35	11.70	49.05	74.00	-24.95	peak
4	17013.6267	37.02	18.45	55.47	74.00	-18.53	peak
		26.43	18.45	44.88	54.00	-9.12	average
5	17621.2027	37.18	17.57	54.75	74.00	-19.25	peak
		27.00	17.57	44.57	54.00	-9.43	average
6	17953.1191	37.07	18.54	55.61	74.00	-18.39	peak
		26.16	18.54	44.70	54.00	-9.30	average

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Peak: Peak detector.

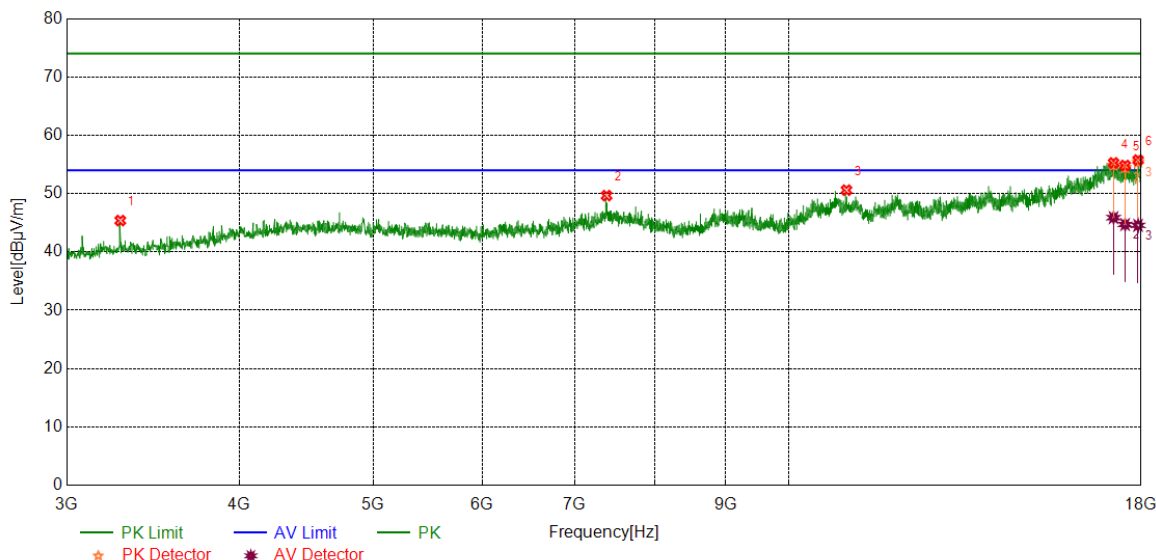
5. AVG: VBW refer to section 7.1.

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

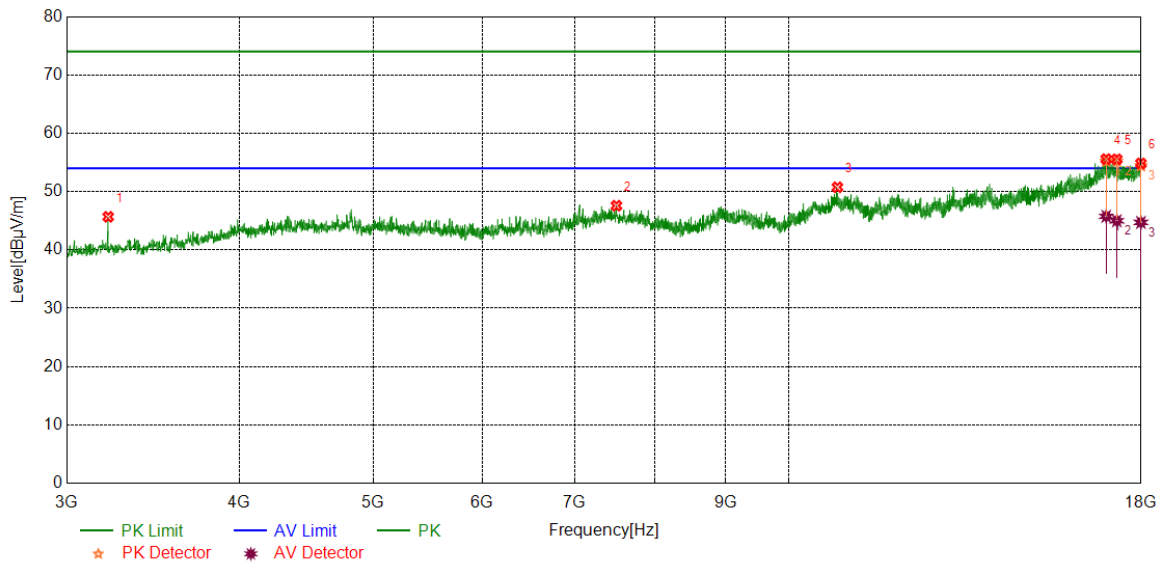


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3281.2852	43.92	1.46	45.38	74.00	-28.62	peak
2	7382.4228	41.07	8.59	49.66	74.00	-24.34	peak
3	11012.8766	38.10	12.49	50.59	74.00	-23.41	peak
4	17191.774	37.05	18.21	55.26	74.00	-18.74	peak
		27.67	18.21	45.88	54.00	-8.12	average
5	17525.5657	36.99	17.83	54.82	74.00	-19.18	peak
		26.88	17.83	44.71	54.00	-9.29	average
6	17909.9887	37.47	18.28	55.75	74.00	-18.25	peak
		26.28	18.28	44.56	54.00	-9.44	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	3215.6520	44.80	0.88	45.68	74.00	-28.32	peak
2	7504.3130	38.98	8.60	47.58	74.00	-26.42	peak
3	10847.8560	38.38	12.37	50.75	74.00	-23.25	peak
4	16981.7477	36.81	18.76	55.57	74.00	-18.43	peak
		27.00	18.76	45.76	54.00	-8.24	average
5	17285.5357	37.78	17.76	55.54	74.00	-18.46	peak
		27.24	17.76	45.00	54.00	-9.00	average
6	17994.3743	37.06	17.77	54.83	74.00	-19.17	peak
		26.95	17.77	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.

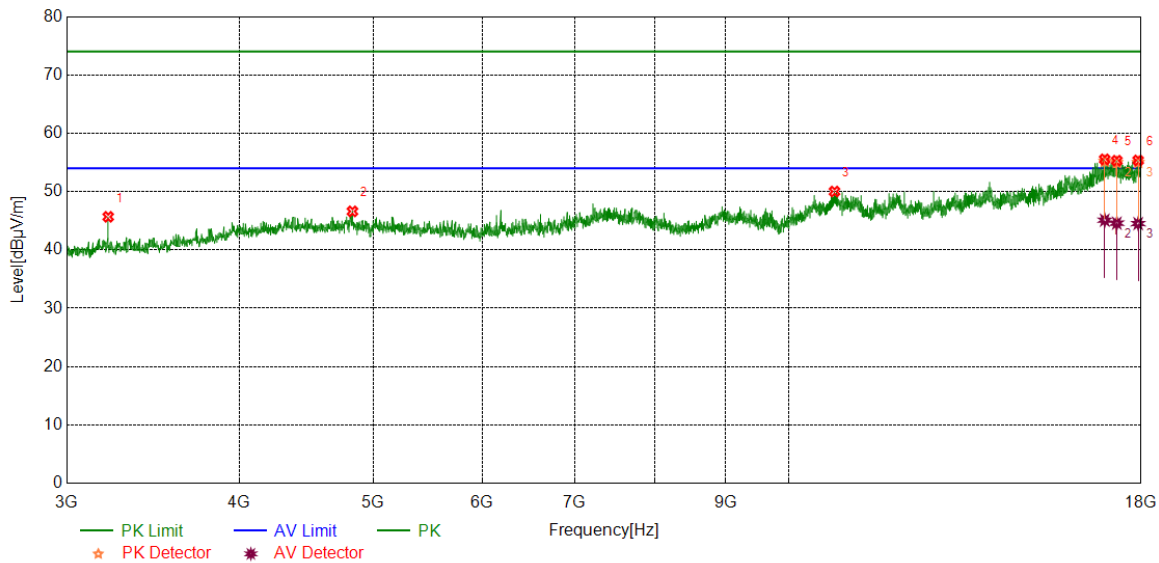
5. AVG: VBW refer to section 7.1.

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 HT20	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3215.6520	44.80	0.88	45.68	74.00	-28.32	peak
2	4832.1040	41.10	5.51	46.61	74.00	-27.39	peak
3	10795.3494	37.95	12.07	50.02	74.00	-23.98	peak
4	16940.4926	37.07	18.46	55.53	74.00	-18.47	peak
		26.64	18.46	45.10	54.00	-8.90	average
5	17285.5357	37.54	17.76	55.30	74.00	-18.70	peak
		26.83	17.76	44.59	54.00	-9.41	average
6	17911.864	37.16	18.19	55.35	74.00	-18.65	peak
		26.33	18.19	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.

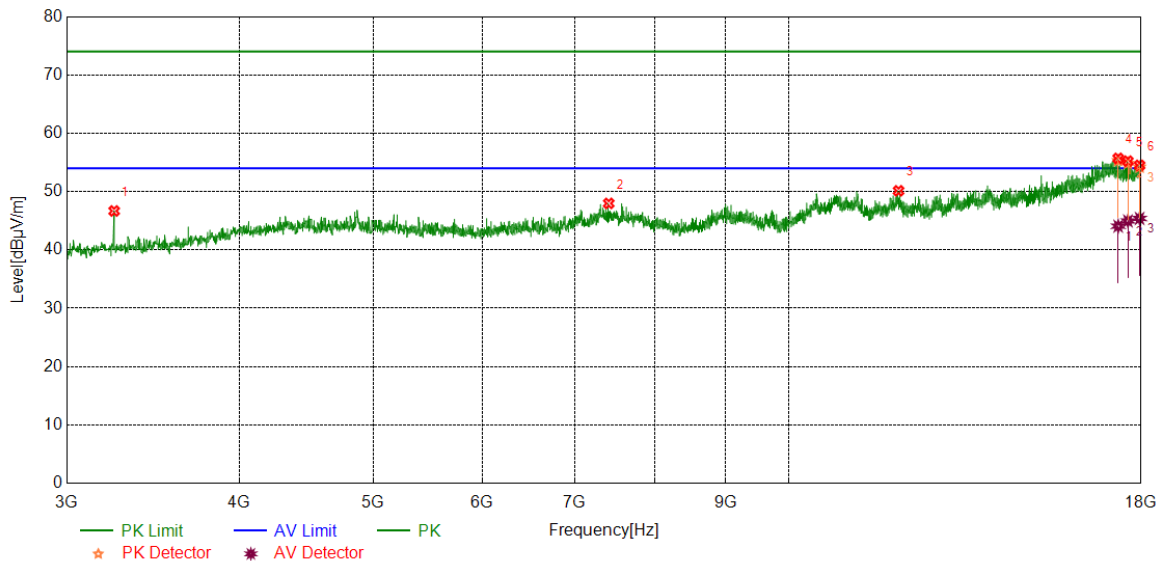
5. AVG: VBW refer to section 7.1.

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
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	3247.5309	45.63	1.05	46.68	74.00	-27.32	peak
2	7408.6761	39.31	8.67	47.98	74.00	-26.02	peak
3	12012.3765	37.44	12.70	50.14	74.00	-23.86	peak
4	17324.9156	38.22	17.48	55.70	74.00	-18.30	peak
		26.59	17.48	44.07	54.00	-9.93	average
5	17608.076	37.43	17.79	55.22	74.00	-18.78	peak
		27.18	17.79	44.97	54.00	-9.03	average
6	17954.9944	35.98	18.52	54.50	74.00	-19.50	peak
		26.88	18.52	45.40	54.00	-8.60	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.

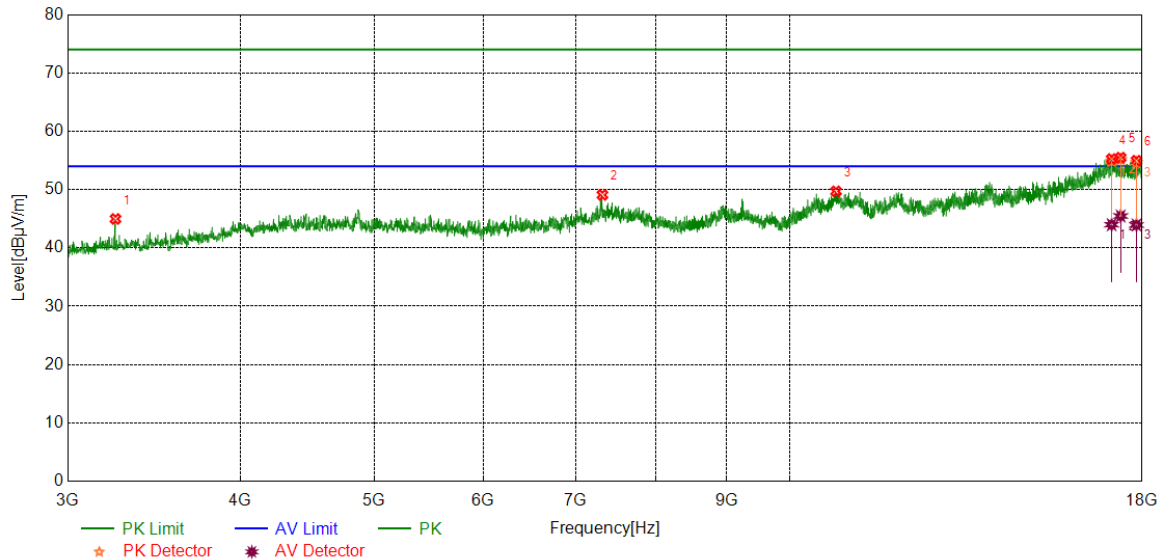
5. AVG: VBW refer to section 7.1.

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

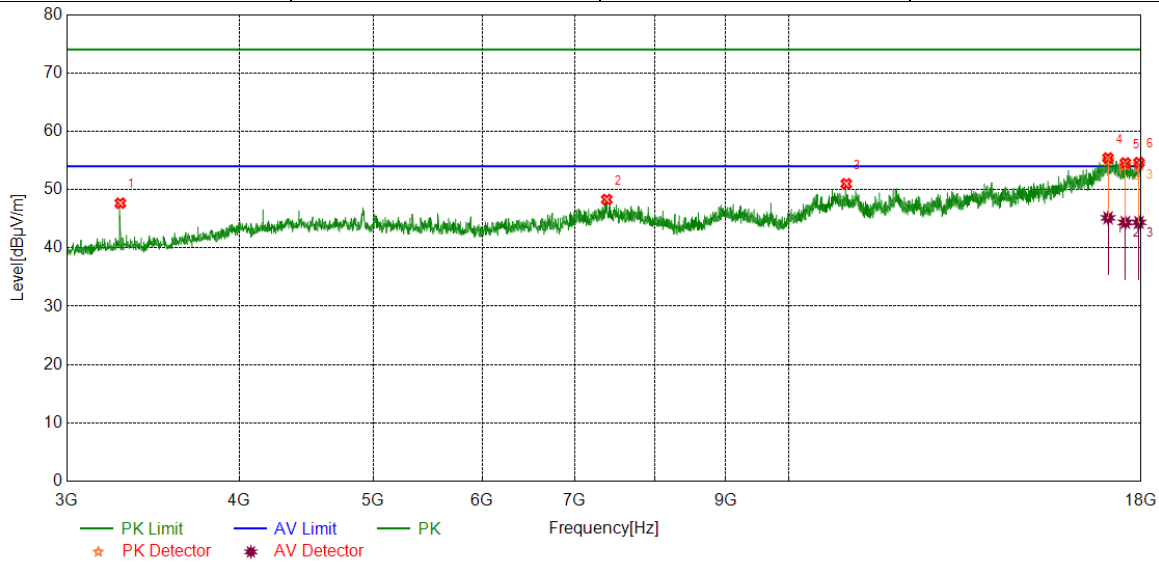


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3249.4062	43.94	1.03	44.97	74.00	-29.03	peak
2	7318.6648	40.53	8.56	49.09	74.00	-24.91	peak
3	10804.7256	37.59	12.12	49.71	74.00	-24.29	peak
4	17107.3884	37.15	18.10	55.25	74.00	-18.75	peak
		25.88	18.10	43.98	54.00	-10.02	average
5	17368.046	37.08	18.40	55.48	74.00	-18.52	peak
		27.07	18.40	45.47	54.00	-8.53	average
6	17831.2289	36.83	18.13	54.96	74.00	-19.04	peak
		25.81	18.13	43.94	54.00	-10.06	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	3281.2852	46.21	1.46	47.67	74.00	-26.33	peak
2	7384.2980	39.71	8.59	48.30	74.00	-25.70	peak
3	11009.1261	38.56	12.44	51.00	74.00	-23.00	peak
4	17034.2543	36.45	18.97	55.42	74.00	-18.58	peak
		26.18	18.97	45.15	54.00	-8.85	average
5	17533.0666	36.81	17.75	54.56	74.00	-19.44	peak
		26.62	17.75	44.37	54.00	-9.63	average
6	17936.242	36.40	18.22	54.62	74.00	-19.38	peak
		26.16	18.22	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.

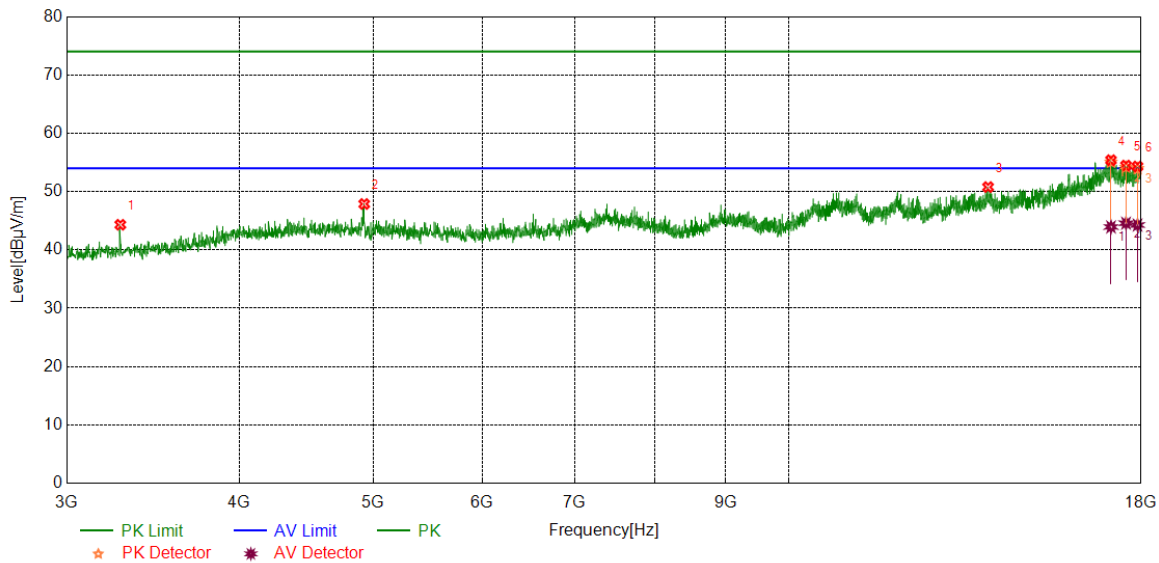
5. AVG: VBW refer to section 7.1.

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	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3281.2852	42.86	1.46	44.32	74.00	-29.68	peak
2	4927.7410	42.73	5.15	47.88	74.00	-26.12	peak
3	13945.7432	36.48	14.30	50.78	74.00	-23.22	peak
4	17118.6398	37.39	18.00	55.39	74.00	-18.61	peak
		25.94	18.00	43.94	54.00	-10.06	average
5	17551.819	36.42	18.05	54.47	74.00	-19.53	peak
		26.53	18.05	44.58	54.00	-9.42	average
6	17893.1116	35.80	18.51	54.31	74.00	-19.69	peak
		25.76	18.51	44.27	54.00	-9.73	average

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Peak: Peak detector.

5. AVG: VBW 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.

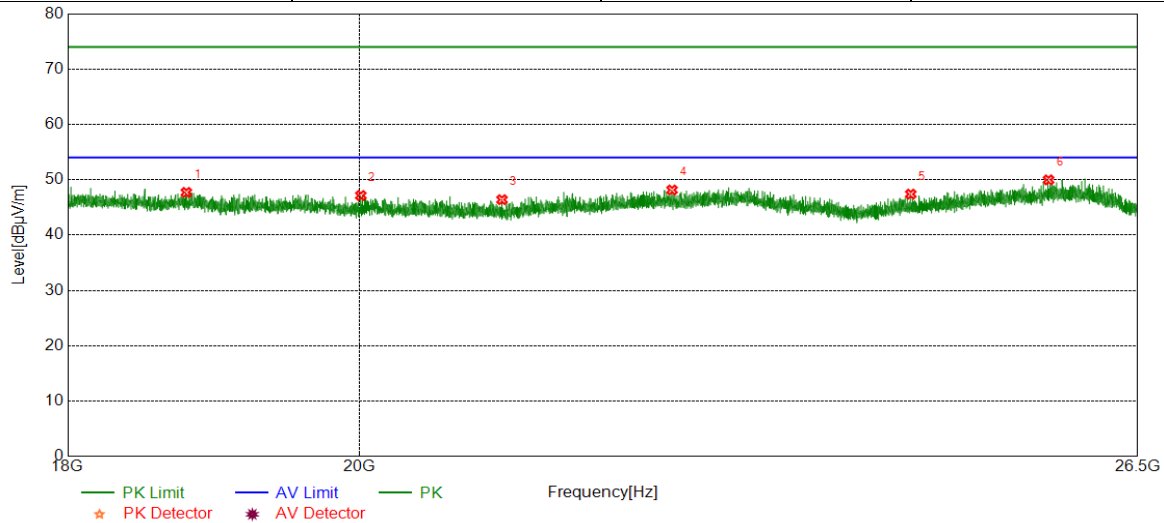
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Part III: 18GHz~26.5GHz

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

Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS

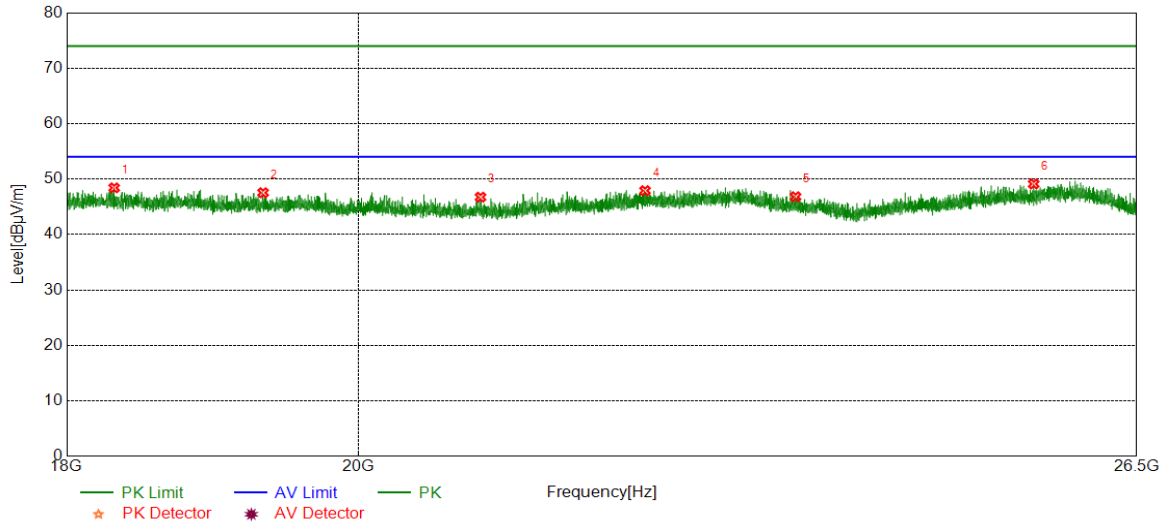


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	18788.8789	48.76	-1.04	47.72	74.00	-26.28	peak
2	20012.1512	47.67	-0.52	47.15	74.00	-26.85	peak
3	21060.3060	47.35	-0.95	46.40	74.00	-27.60	peak
4	22395.7896	47.49	0.66	48.15	74.00	-25.85	peak
5	24414.7415	48.09	-0.69	47.40	74.00	-26.60	peak
6	25661.8162	48.86	1.12	49.98	74.00	-24.02	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
11B	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	18311.1311	49.43	-1.01	48.42	74.00	-25.58	peak
2	19324.4324	48.40	-0.86	47.54	74.00	-26.46	peak
3	20904.7405	47.68	-0.94	46.74	74.00	-27.26	peak
4	22185.8186	47.51	0.40	47.91	74.00	-26.09	peak
5	23426.9427	46.73	0.08	46.81	74.00	-27.19	peak
6	25533.4533	48.22	0.90	49.12	74.00	-24.88	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.

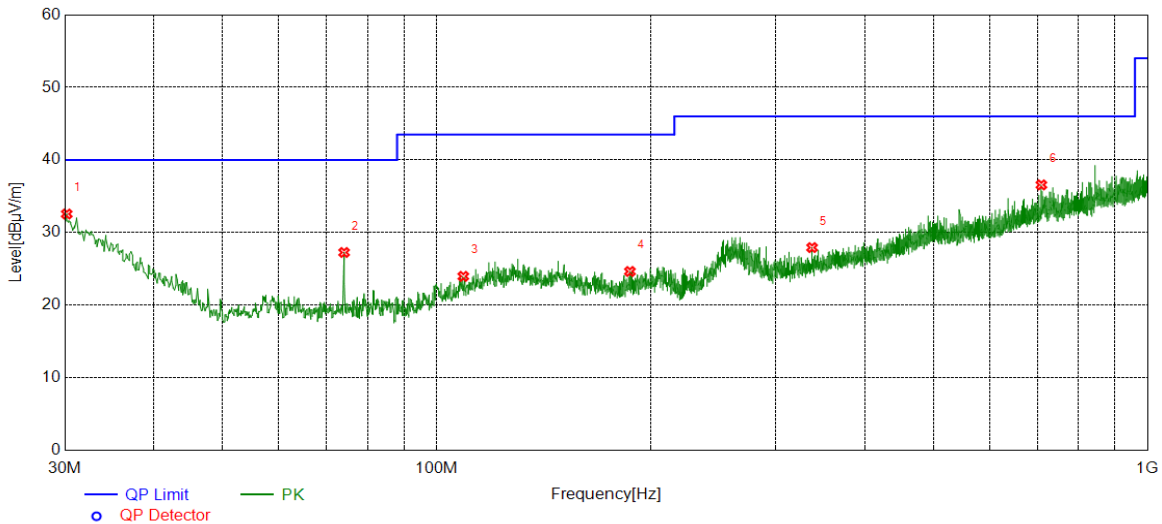
3. Measurement = Reading Level + Correct Factor.



Part IV: 30MHz~1GHz

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

Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS

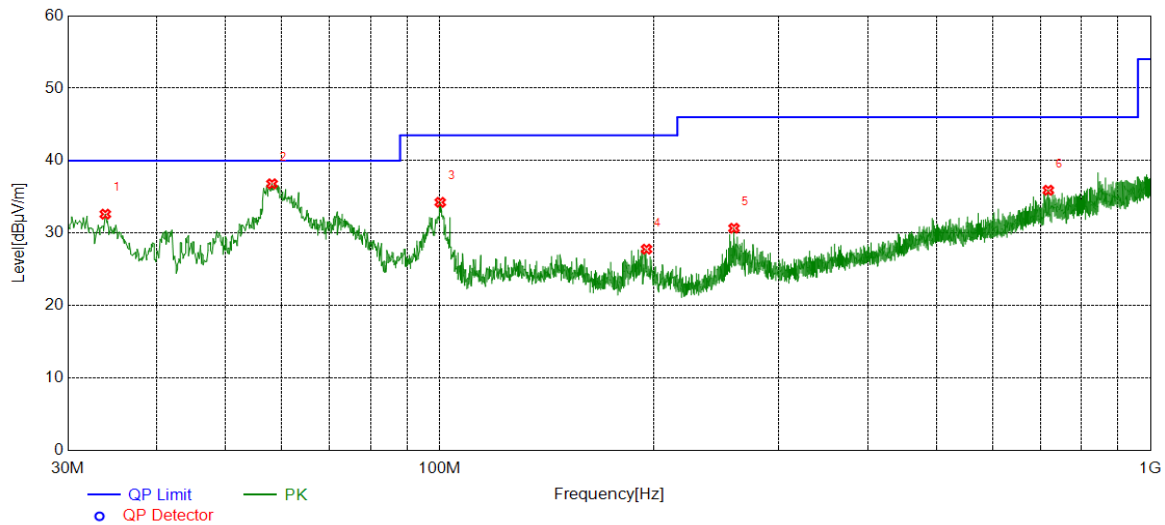


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.1940	5.63	26.93	32.56	40.00	-7.44	peak
2	74.1394	12.65	14.61	27.26	40.00	-12.74	peak
3	109.0629	5.51	18.46	23.97	43.50	-19.53	peak
4	187.0587	6.30	18.34	24.64	43.50	-18.86	peak
5	337.4237	6.55	21.38	27.93	46.00	-18.07	peak
6	709.0679	7.89	28.68	36.57	46.00	-9.43	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
11B	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	33.8804	8.04	24.58	32.62	40.00	-7.38	peak
2	58.1328	22.69	14.12	36.81	40.00	-3.19	peak
3	100.2350	17.32	16.93	34.25	43.50	-9.25	peak
4	195.4986	8.90	18.89	27.79	43.50	-15.71	peak
5	259.5250	11.55	19.13	30.68	46.00	-15.32	peak
6	718.0898	7.12	28.80	35.92	46.00	-10.08	peak

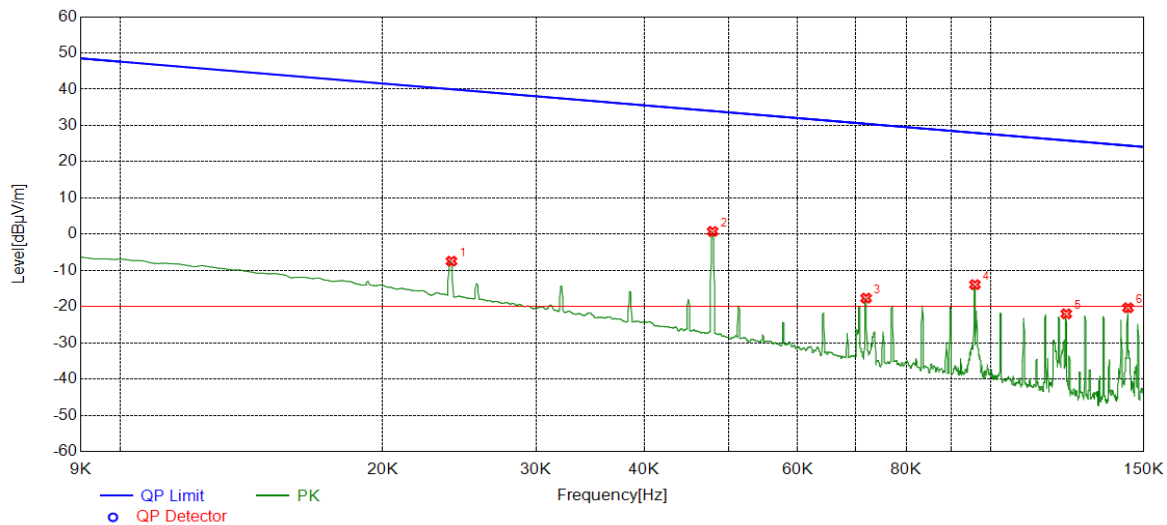
Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.
3. Measurement = Reading Level + Correct Factor.



Part V: 9KHz~30MHz

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

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

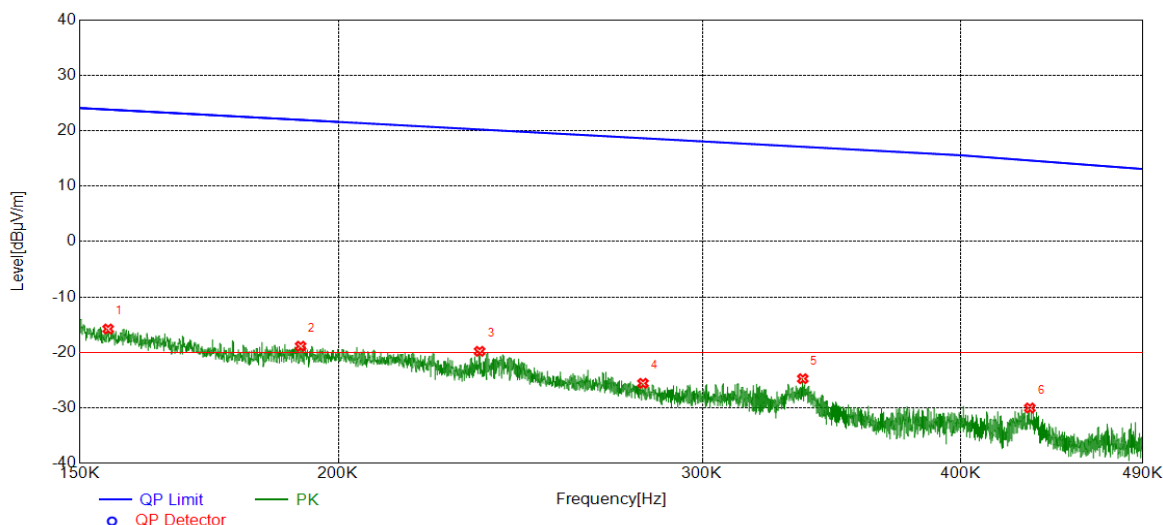


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0240	53.41	-60.87	-7.46	40.01	-47.47	peak
2	0.0479	61.77	-61.02	0.75	33.99	-33.24	peak
3	0.0719	43.71	-61.38	-17.67	30.47	-48.14	peak
4	0.0959	46.90	-60.84	-13.94	27.97	-41.91	peak
5	0.1221	38.98	-60.98	-22.00	25.87	-47.87	peak
6	0.1438	40.91	-61.24	-20.33	24.44	-44.77	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
11B	MCH	150KHz~490Hz	PASS

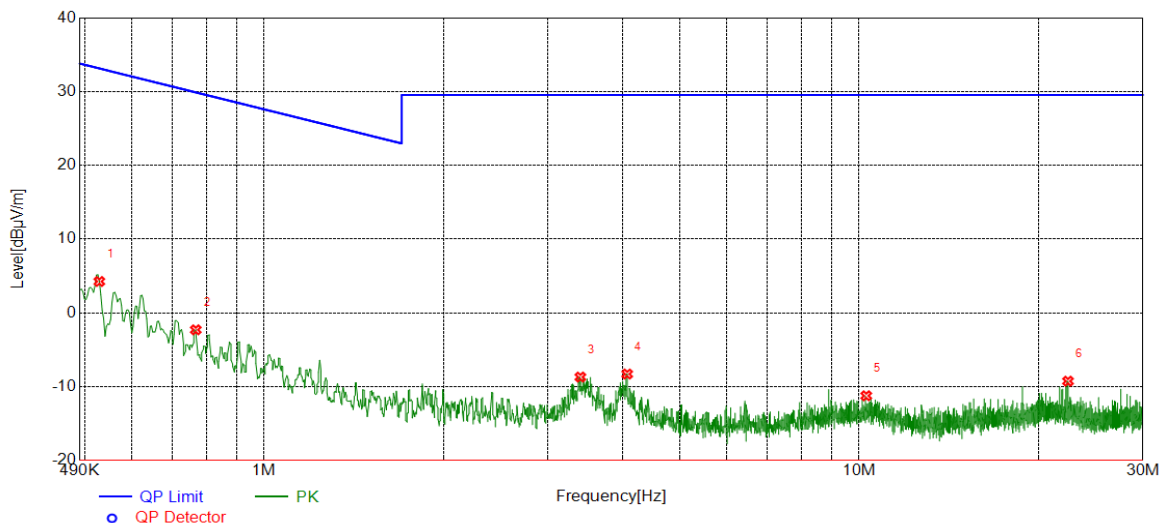


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1548	45.51	-61.29	-15.78	23.81	-39.59	peak
2	0.1918	42.21	-61.10	-18.89	21.95	-40.84	peak
3	0.2341	41.08	-60.89	-19.81	20.21	-40.02	peak
4	0.2808	35.20	-60.78	-25.58	18.63	-44.21	peak
5	0.3355	35.98	-60.73	-24.75	17.09	-41.84	peak
6	0.4320	30.62	-60.65	-30.03	14.62	-44.65	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
11B	MCH	490KHz~30MHz	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.5284	24.85	-20.60	4.25	33.14	-28.89	peak
2	0.7674	18.35	-20.65	-2.30	29.90	-32.20	peak
3	3.4000	11.60	-20.30	-8.70	29.54	-38.24	peak
4	4.0758	11.77	-20.06	-8.29	29.54	-37.83	peak
5	10.2794	7.58	-18.82	-11.24	29.54	-40.78	peak
6	22.4417	8.41	-17.67	-9.26	29.54	-38.80	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

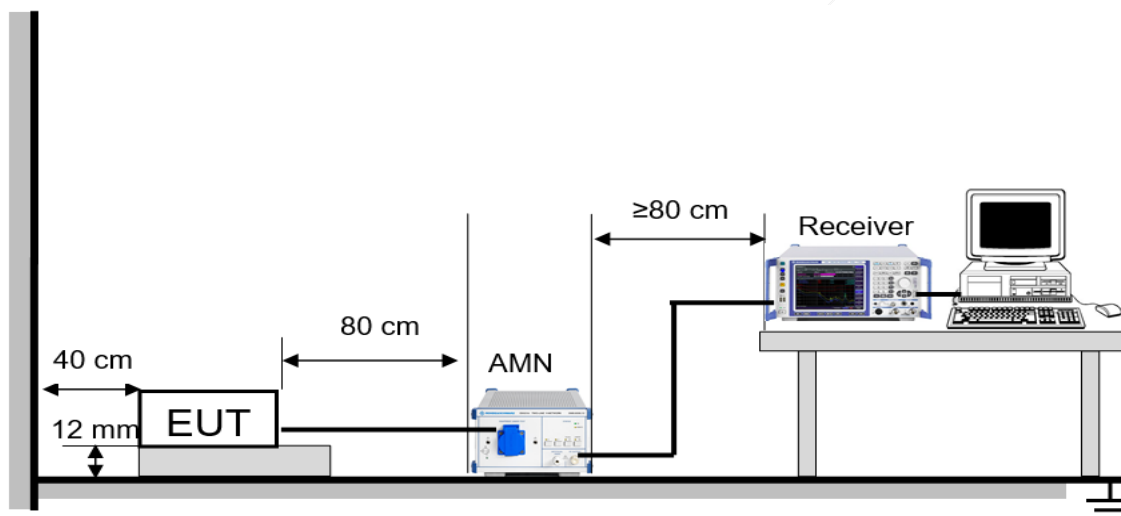
8. AC POWER LINE CONDUCTED EMISSIONS

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

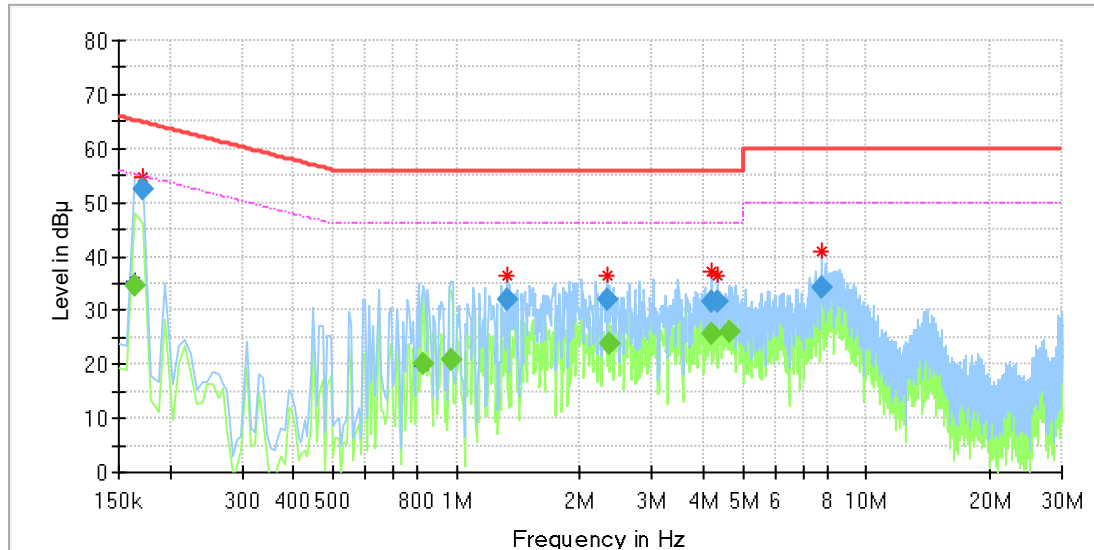


The EUT is put on a table of non-conducting material that is up to 12mm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver 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:



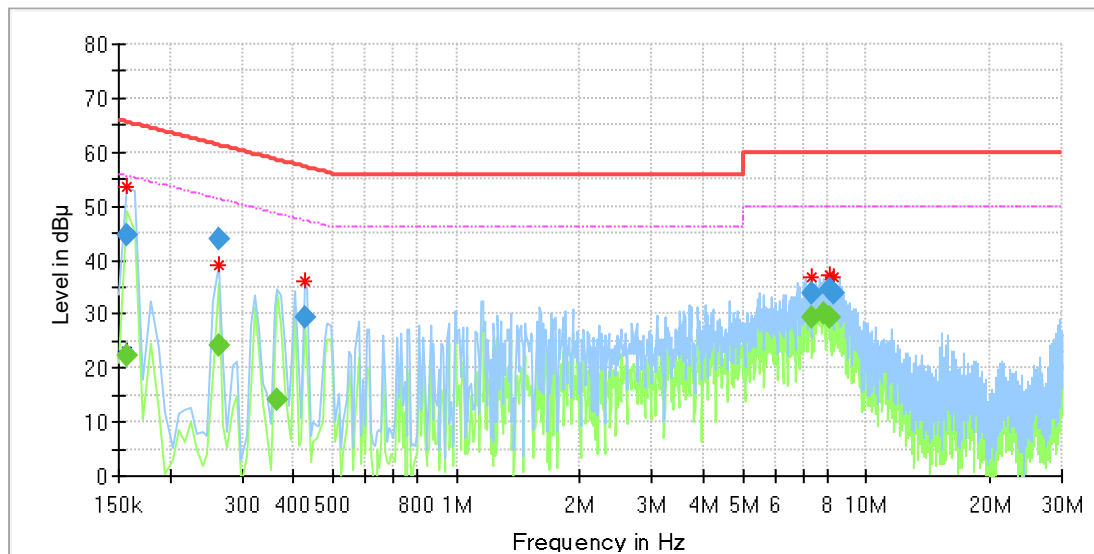
Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.164925	---	34.71	55.21	20.50	1000.0	9.000	L1	OFF	9.4
0.172388	52.51	---	64.85	12.33	1000.0	9.000	L1	OFF	9.4
0.829088	---	19.93	46.00	26.07	1000.0	9.000	L1	OFF	9.6
0.970875	---	21.00	46.00	25.00	1000.0	9.000	L1	OFF	9.7
1.329075	31.98	---	56.00	24.02	1000.0	9.000	L1	OFF	9.5
2.329050	32.15	---	56.00	23.85	1000.0	9.000	L1	OFF	9.7
2.351438	---	23.89	46.00	22.11	1000.0	9.000	L1	OFF	9.7
4.179750	31.50	---	56.00	24.50	1000.0	9.000	L1	OFF	9.6
4.179750	---	25.61	46.00	20.39	1000.0	9.000	L1	OFF	9.6
4.329000	31.62	---	56.00	24.38	1000.0	9.000	L1	OFF	9.6
4.612575	---	25.97	46.00	20.03	1000.0	9.000	L1	OFF	9.5
7.761750	34.21	---	60.00	25.79	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 MCH of 11B 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)
0.157463	---	22.45	55.60	33.14	1000.0	9.000	N	OFF	9.5
0.157463	44.81	---	65.60	20.79	1000.0	9.000	N	OFF	9.5
0.261938	---	24.35	51.37	27.02	1000.0	9.000	N	OFF	9.6
0.261938	43.74	---	61.37	17.63	1000.0	9.000	N	OFF	9.6
0.366413	---	14.30	48.58	34.28	1000.0	9.000	N	OFF	9.7
0.426113	29.57	---	57.33	27.76	1000.0	9.000	N	OFF	9.6
7.351313	34.00	---	60.00	26.00	1000.0	9.000	N	OFF	9.8
7.351313	---	29.43	50.00	20.57	1000.0	9.000	N	OFF	9.8
7.858763	---	30.10	50.00	19.90	1000.0	9.000	N	OFF	9.8
8.149800	34.44	---	60.00	25.56	1000.0	9.000	N	OFF	9.8
8.149800	---	29.57	50.00	20.43	1000.0	9.000	N	OFF	9.8
8.299050	34.01	---	60.00	25.99	1000.0	9.000	N	OFF	9.8

- 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 MCH of 11B mode which is the worst case, so only the worst case is included in this test report.



10. 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 one Meandered printed inverted-F antenna.

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi

END OF REPORT