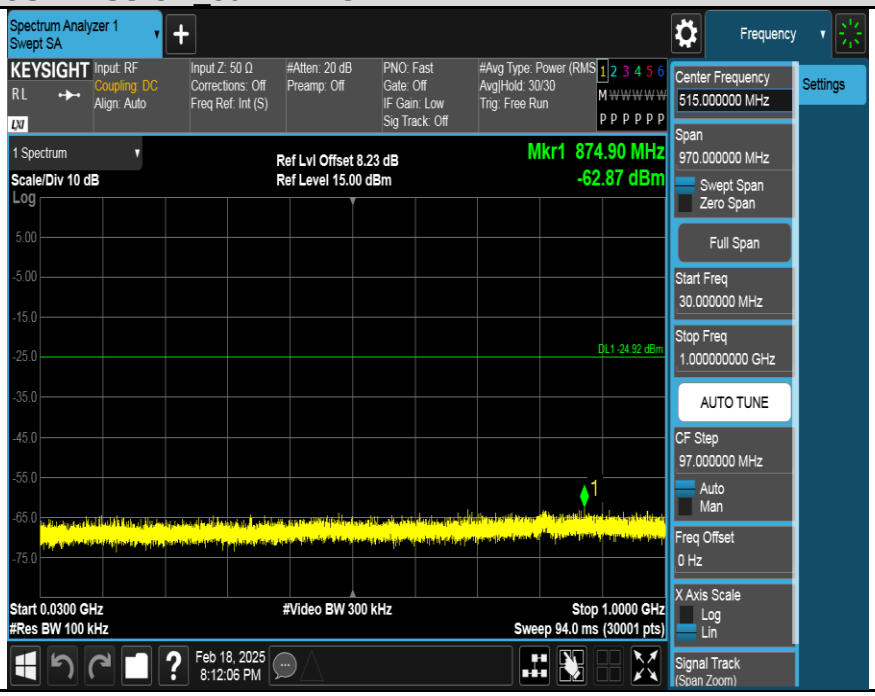
Test Mode	Channel	Verdict
11G	MCH	PASS

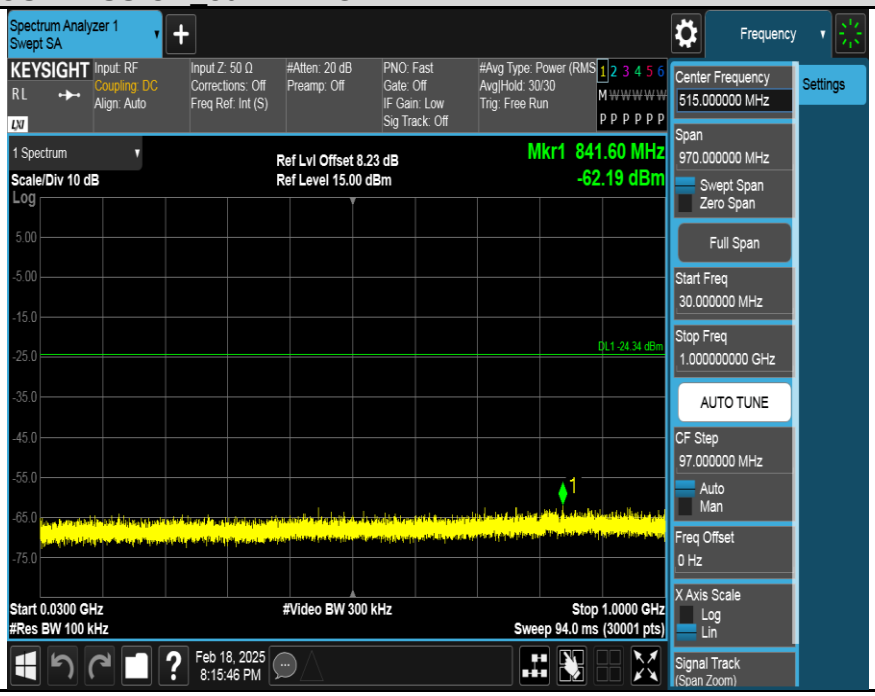
MCH SPURIOUS EMISSION_30MHz~1GHz



MCH SPURIOUS EMISSION_1GHz~26.5GHz

Test Mode	Channel	Verdict
11G	HCH	PASS

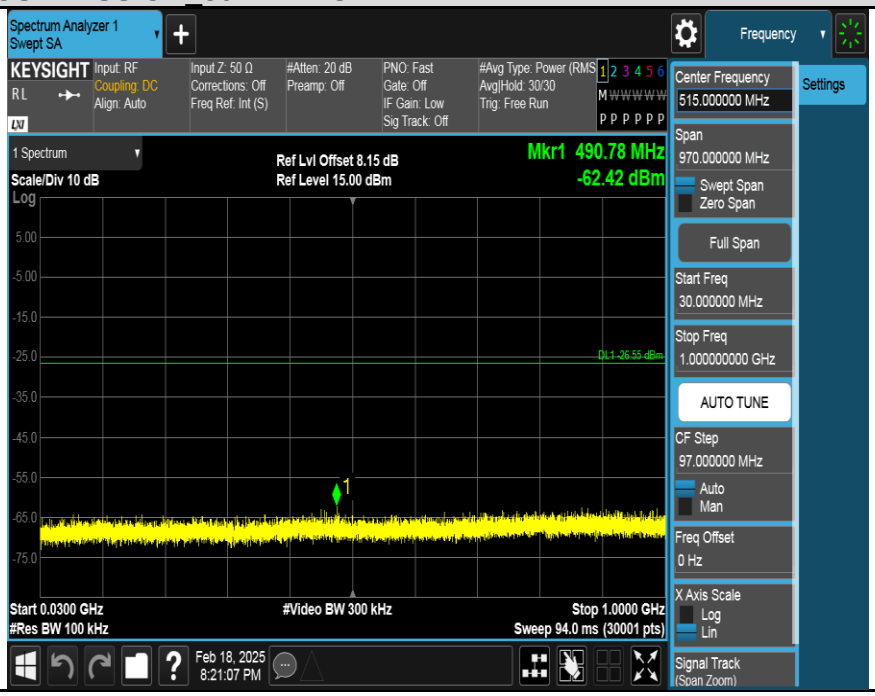
HCH SPURIOUS EMISSION_30MHz~1GHz



HCH SPURIOUS EMISSION_1GHz~26.5GHz

Test Mode	Channel	Verdict
11N HT20	LCH	PASS

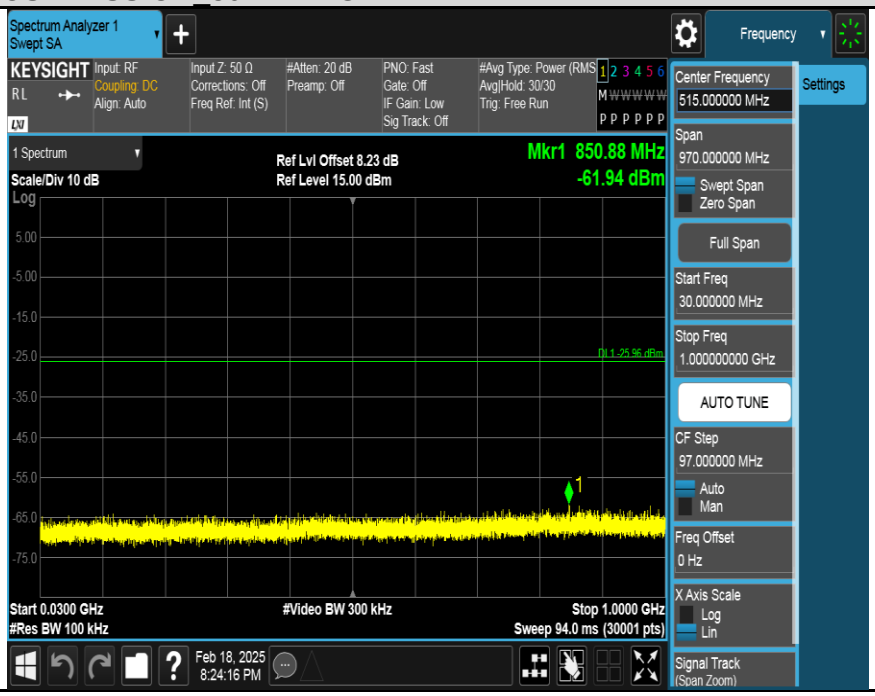
LCH SPURIOUS EMISSION_30MHz~1GHz



LCH SPURIOUS EMISSION_1GHz~26.5GHz

Test Mode	Channel	Verdict
11N HT20	MCH	PASS

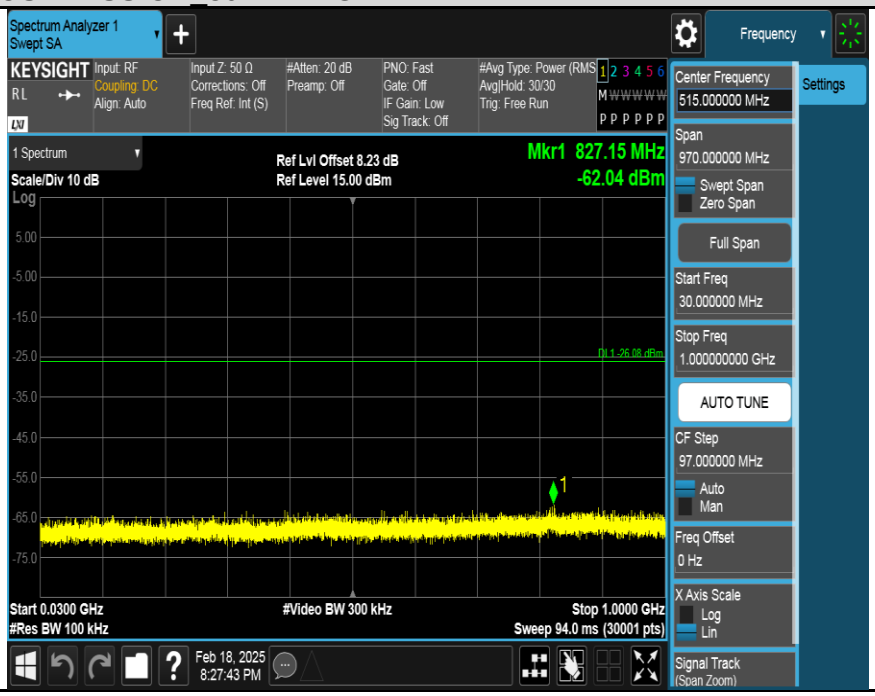
MCH SPURIOUS EMISSION_30MHz~1GHz



MCH SPURIOUS EMISSION_1GHz~26.5GHz

Test Mode	Channel	Verdict
11N HT20	HCH	PASS

HCH SPURIOUS EMISSION_30MHz~1GHz



HCH SPURIOUS EMISSION_1GHz~26.5GHz

8. RADIATED TEST RESULTS

8.1. 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

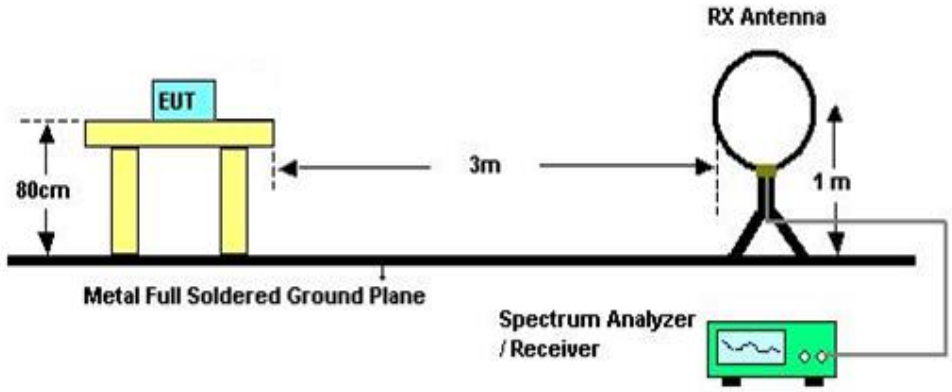
Restricted bands of operation

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: [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	200 Hz (From 9kHz to 0.15MHz) / 9kHz (From 0.15MHz to 30MHz)
VBW	200 Hz (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

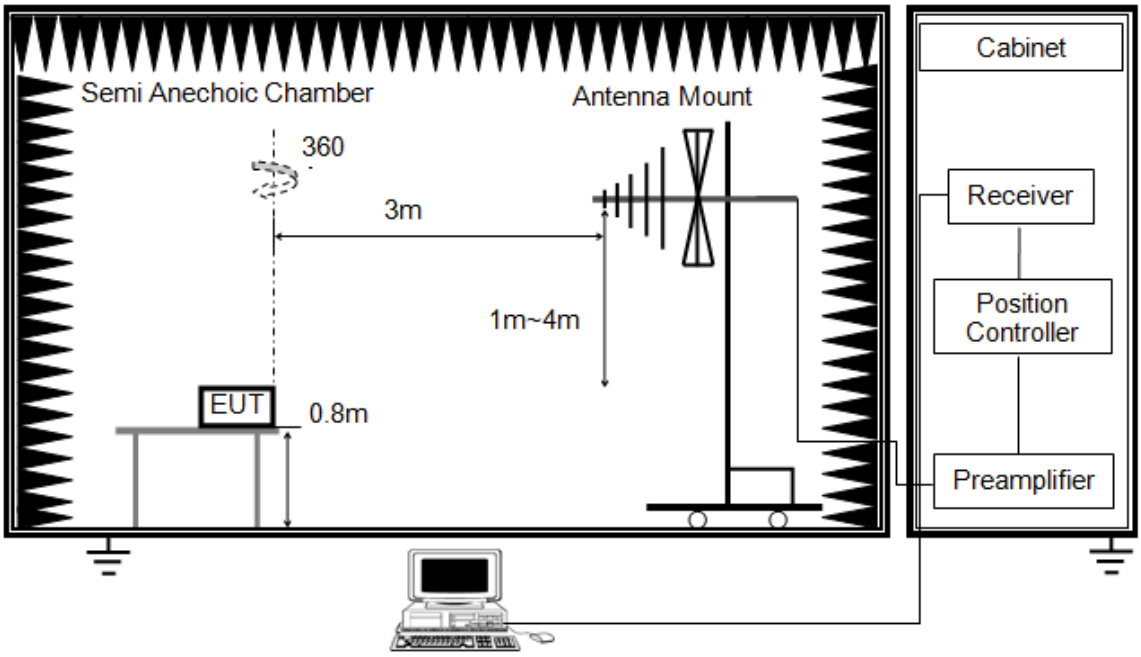
6. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the 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)

8. The limits in FCC 47 CFR, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377 Ω. For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to Y-51.5 = Z dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Below 1G



The setting of the spectrum analyser

RBW	120 kHz
VBW	300 kHz
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.

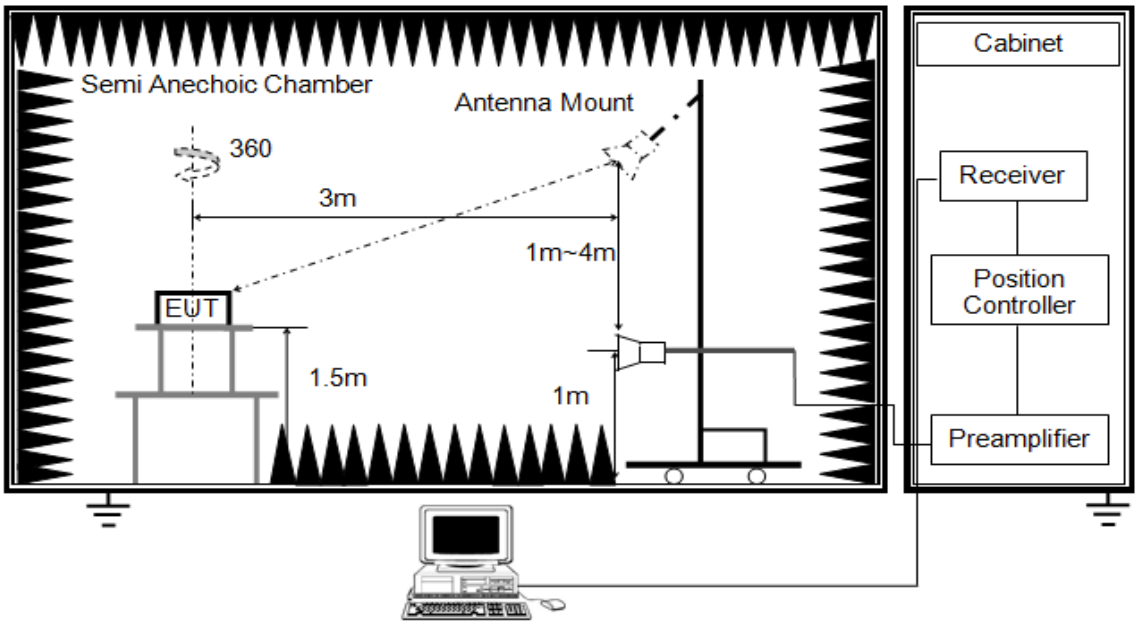
3. The EUT was placed on a turntable with 0.8 meter above ground.

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	1 MHz
VBW	PEAK: 3 MHz AVG: See note 6
Sweep	Auto
Detector	Peak
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.

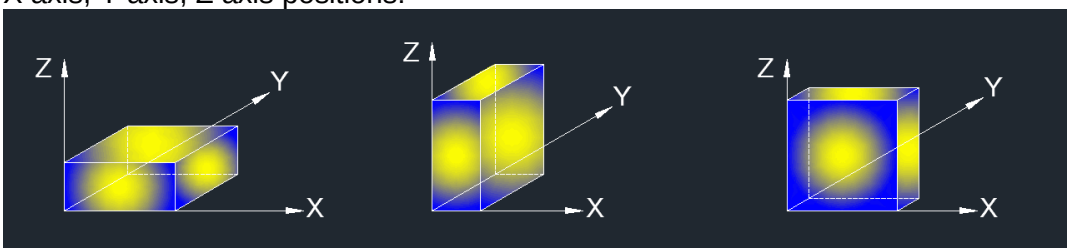
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

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 two orthogonal axis emissions had been tested, but only the worse case (X axis) data recorded in the report.

8.2. TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V

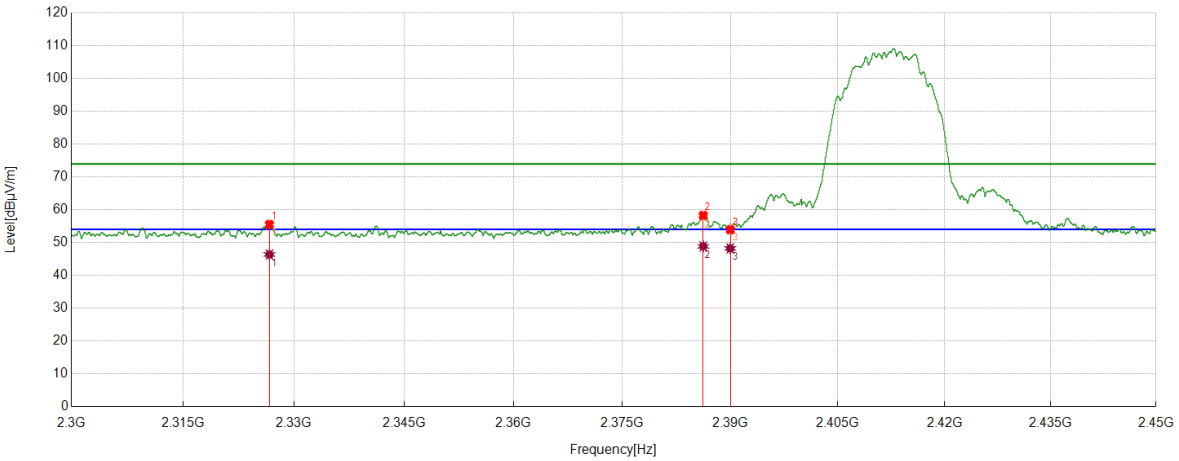
8.3. RESTRICTED BANDEDGE

TEST RESULT TABLE

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

TEST GRAPHS

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS



PK Result:

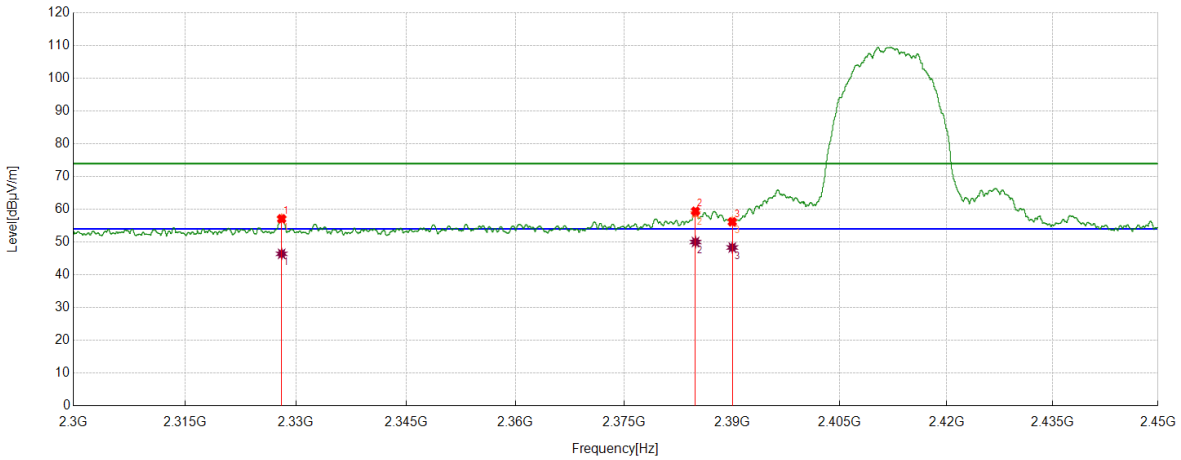
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2326.7033	42.04	13.48	55.52	74.00	-18.48	Horizontal
2	2386.2420	44.77	13.53	58.30	74.00	-15.70	Horizontal
3	2390.0000	40.41	13.48	53.89	74.00	-20.11	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2326.7033	32.87	13.48	46.35	54.00	-7.65	Horizontal
2	2386.2420	35.30	13.53	48.83	54.00	-5.17	Horizontal
3	2390.0000	34.73	13.48	48.21	54.00	-5.79	Horizontal

Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
3. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Attenuator) - Amplifier Gain.
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



PK Result:

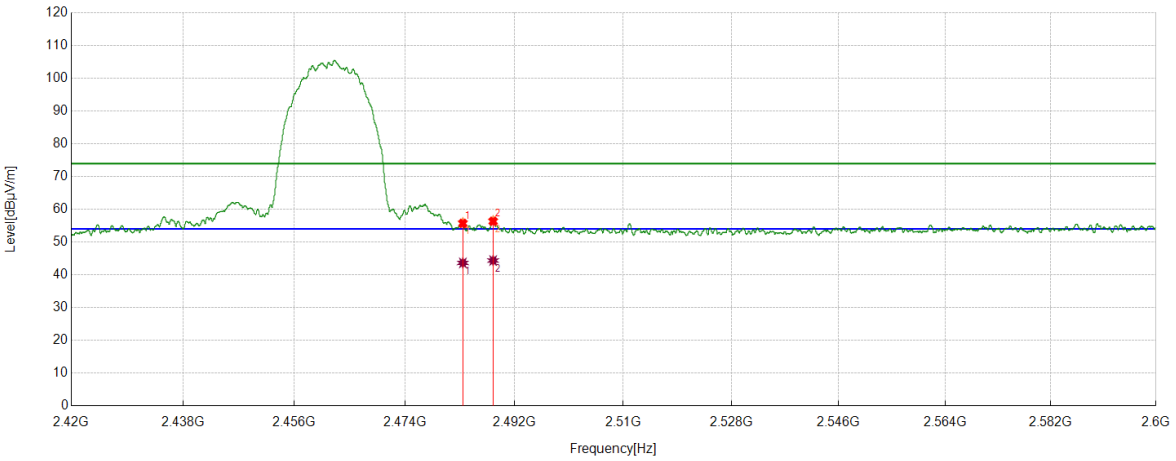
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2328.0910	43.64	13.47	57.11	74.00	-16.89	Vertical
2	2384.8919	45.87	13.54	59.41	74.00	-14.59	Vertical
3	2390.0000	42.70	13.48	56.18	74.00	-17.82	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2328.0910	32.94	13.47	46.41	54.00	-7.59	Vertical
2	2384.8919	36.49	13.54	50.03	54.00	-3.97	Vertical
3	2390.0000	34.86	13.48	48.34	54.00	-5.66	Vertical

Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
3. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Attenuator) - Amplifier Gain.
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



PK Result:

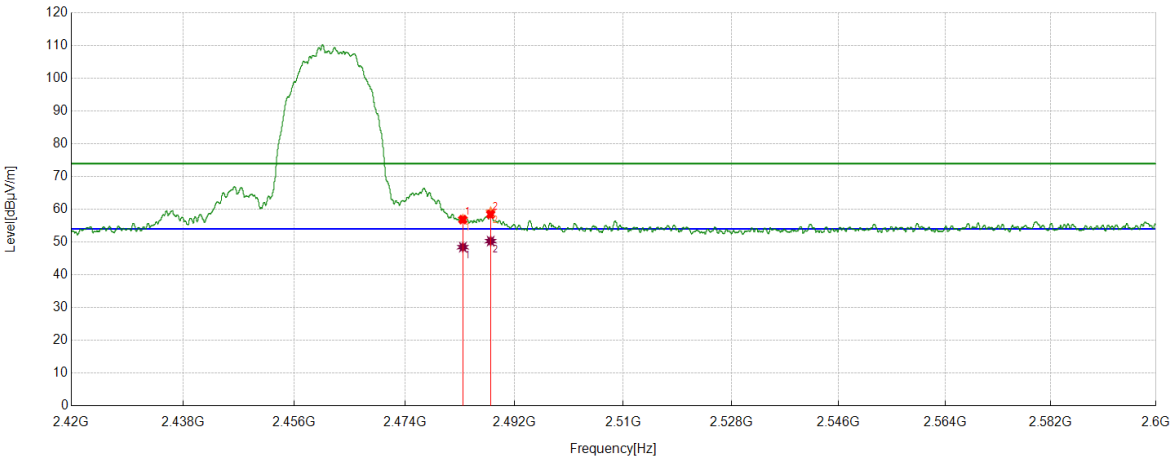
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	41.44	14.25	55.69	74.00	-18.31	Horizontal
2	2488.4761	42.00	14.34	56.34	74.00	-17.66	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	29.38	14.25	43.63	54.00	-10.37	Horizontal
2	2488.4761	30.01	14.34	44.35	54.00	-9.65	Horizontal

Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
3. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Attenuator) - Amplifier Gain.
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



PK Result:

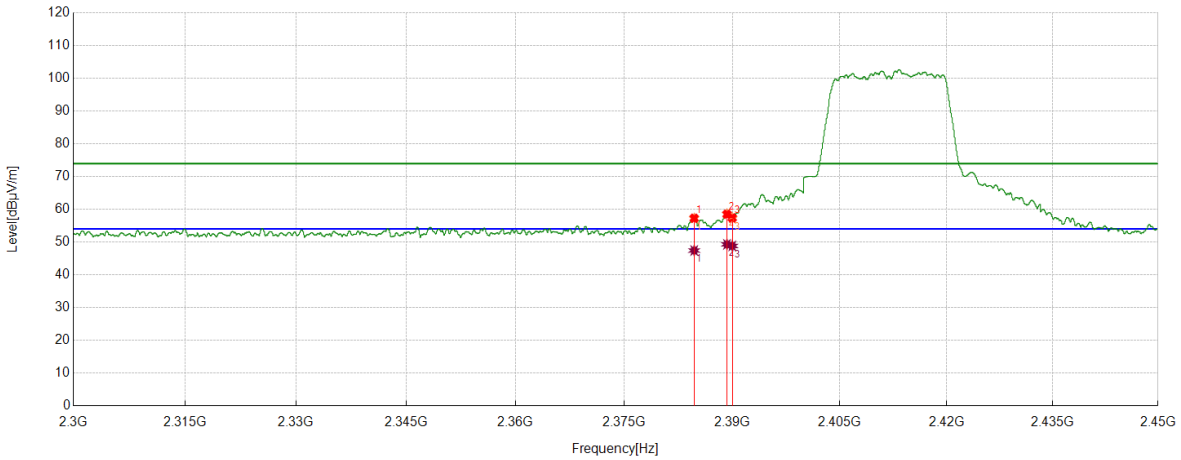
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	42.62	14.25	56.87	74.00	-17.13	Vertical
2	2488.0710	44.13	14.34	58.47	74.00	-15.53	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	34.19	14.25	48.44	54.00	-5.56	Vertical
2	2488.0710	35.96	14.34	50.30	54.00	-3.70	Vertical

Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
3. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Attenuator) - Amplifier Gain.
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



PK Result:

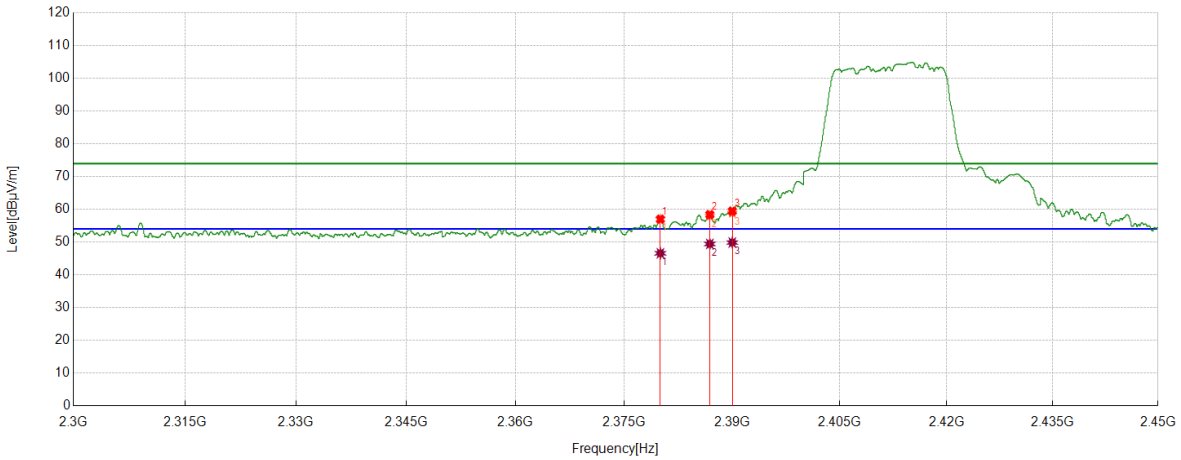
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2384.7043	43.73	13.54	57.27	74.00	-16.73	Horizontal
2	2389.2612	45.00	13.49	58.49	74.00	-15.51	Horizontal
3	2390.0000	43.91	13.48	57.39	74.00	-16.61	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2384.7043	33.87	13.54	47.41	54.00	-6.59	Horizontal
2	2389.2612	35.80	13.49	49.29	54.00	-4.71	Horizontal
3	2390.0000	35.33	13.48	48.81	54.00	-5.19	Horizontal

Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
3. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Attenuator) - Amplifier Gain.
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



PK Result:

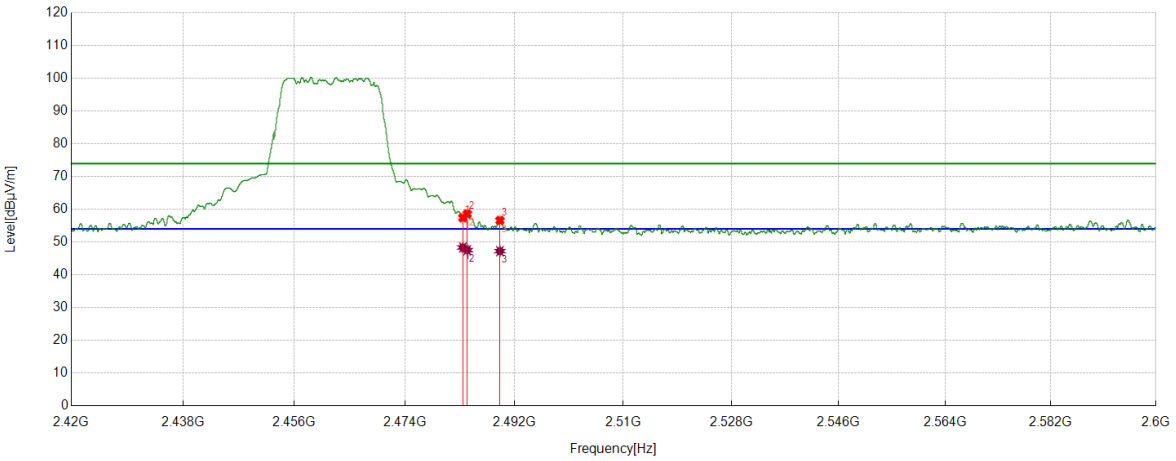
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2380.0163	43.38	13.60	56.98	74.00	-17.02	Vertical
2	2386.8796	44.86	13.52	58.38	74.00	-15.62	Vertical
3	2390.0000	45.96	13.48	59.44	74.00	-14.56	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2380.0163	32.97	13.60	46.57	54.00	-7.43	Vertical
2	2386.8796	35.91	13.52	49.43	54.00	-4.57	Vertical
3	2390.0000	36.38	13.48	49.86	54.00	-4.14	Vertical

Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
3. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Attenuator) - Amplifier Gain.
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



PK Result:

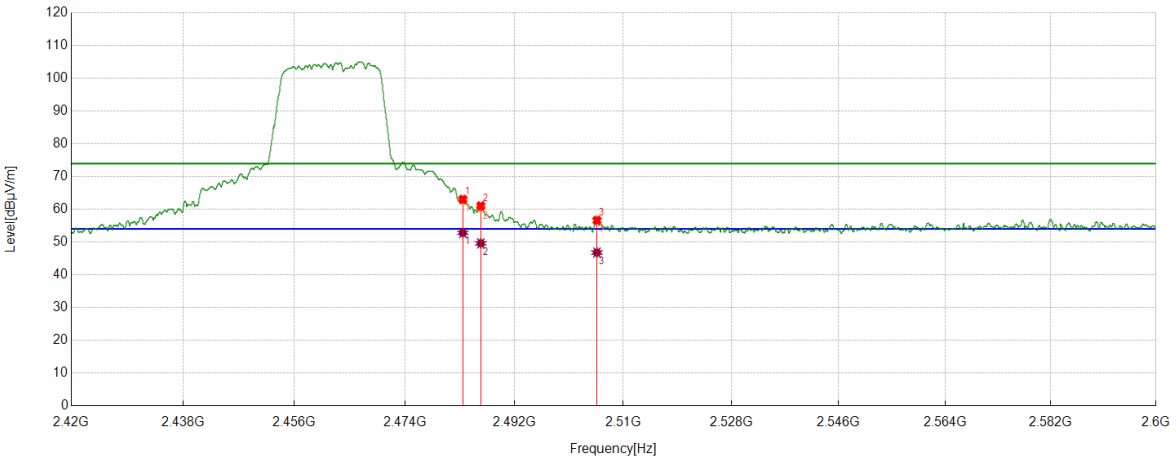
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	43.19	14.25	57.44	74.00	-16.56	Horizontal
2	2484.2230	44.33	14.27	58.60	74.00	-15.40	Horizontal
3	2489.6012	42.24	14.37	56.61	74.00	-17.39	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	34.10	14.25	48.35	54.00	-5.65	Horizontal
2	2484.2230	33.26	14.27	47.53	54.00	-6.47	Horizontal
3	2489.6012	32.85	14.37	47.22	54.00	-6.78	Horizontal

Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
3. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Attenuator) - Amplifier Gain.
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



PK Result:

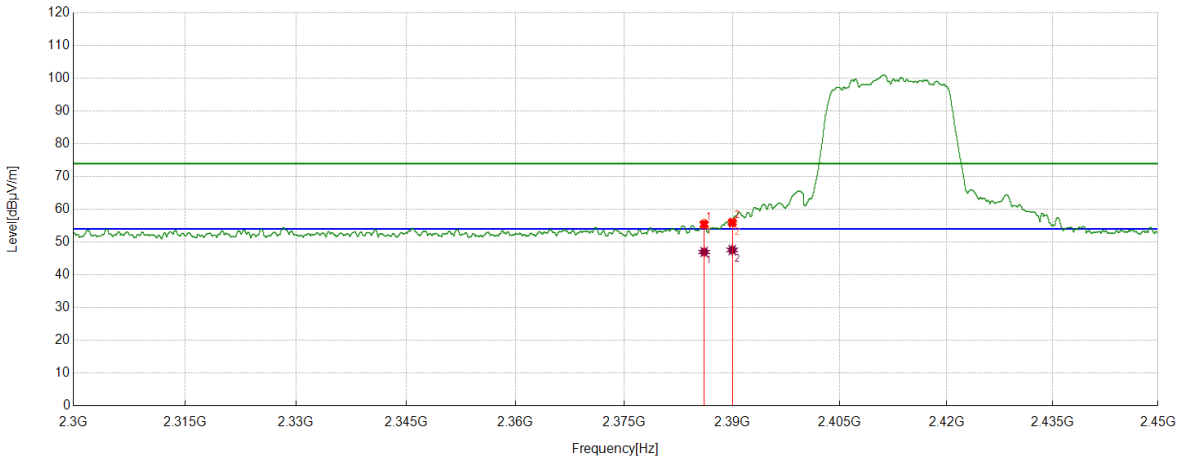
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	48.78	14.25	63.03	74.00	-10.97	Vertical
2	2486.4508	46.75	14.31	61.06	74.00	-12.94	Vertical
3	2505.6232	42.24	14.39	56.63	74.00	-17.37	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	38.56	14.25	52.81	54.00	-1.19	Vertical
2	2486.4508	35.30	14.31	49.61	54.00	-4.39	Vertical
3	2505.6232	32.41	14.39	46.80	54.00	-7.20	Vertical

Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
3. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Attenuator) - Amplifier Gain.
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



PK Result:

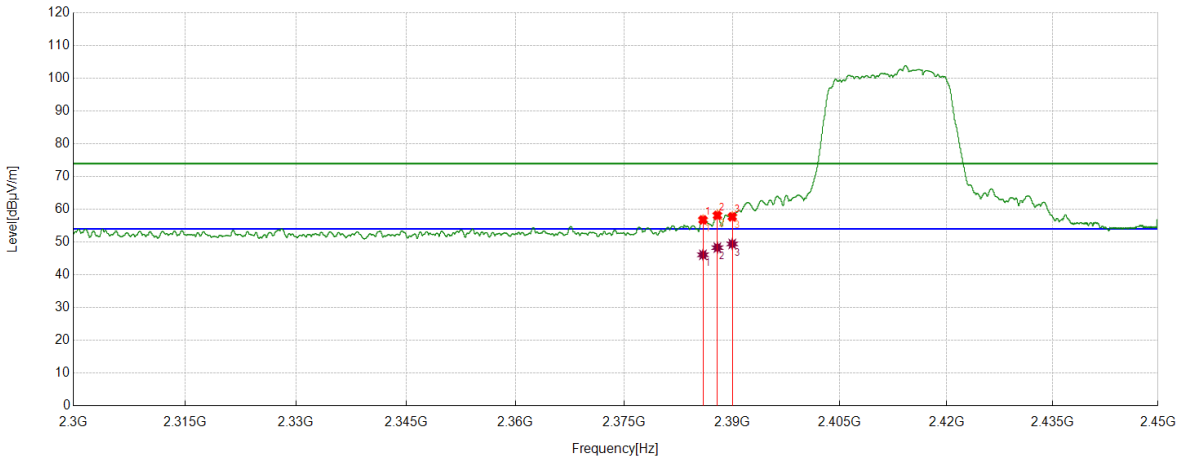
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2386.0920	41.89	13.53	55.42	74.00	-18.58	Horizontal
2	2390.0000	42.49	13.48	55.97	74.00	-18.03	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2386.0920	33.43	13.53	46.96	54.00	-7.04	Horizontal
2	2390.0000	34.10	13.48	47.58	54.00	-6.42	Horizontal

Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
3. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Attenuator) - Amplifier Gain.
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



PK Result:

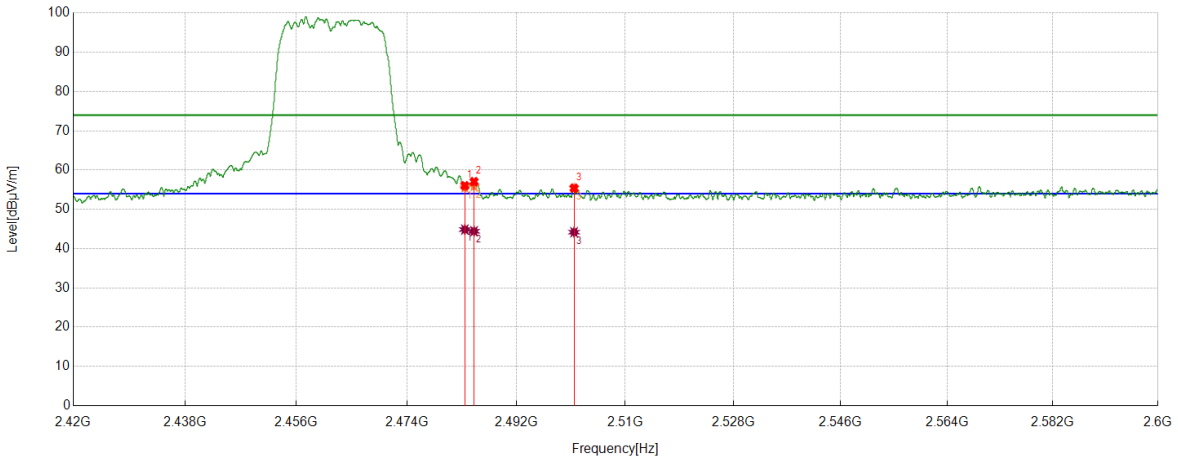
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2385.9232	43.24	13.53	56.77	74.00	-17.23	Vertical
2	2387.9297	44.63	13.50	58.13	74.00	-15.87	Vertical
3	2390.0000	44.23	13.48	57.71	74.00	-16.29	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2385.9232	32.57	13.53	46.10	54.00	-7.90	Vertical
2	2387.9297	34.79	13.50	48.29	54.00	-5.71	Vertical
3	2390.0000	35.95	13.48	49.43	54.00	-4.57	Vertical

Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
3. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Attenuator) - Amplifier Gain.
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



PK Result:

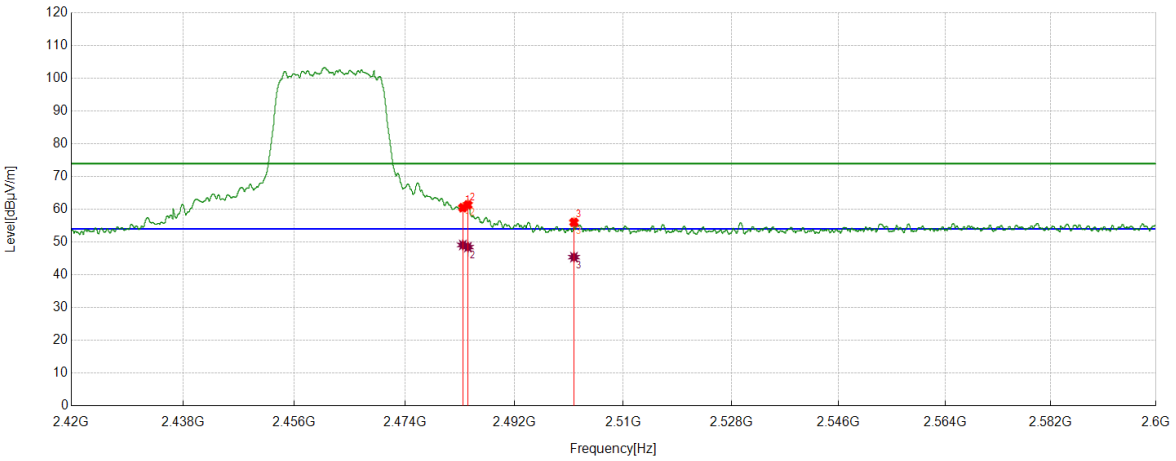
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	41.77	14.25	56.02	74.00	-17.98	Horizontal
2	2485.0106	42.78	14.28	57.06	74.00	-16.94	Horizontal
3	2501.5052	41.08	14.31	55.39	74.00	-18.61	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	30.60	14.25	44.85	54.00	-9.15	Horizontal
2	2485.0106	30.14	14.28	44.42	54.00	-9.58	Horizontal
3	2501.5052	29.87	14.31	44.18	54.00	-9.82	Horizontal

Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
3. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Attenuator) - Amplifier Gain.
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



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	46.25	14.25	60.50	74.00	-13.50	Vertical
2	2484.3355	47.07	14.27	61.34	74.00	-12.66	Vertical
3	2501.8202	41.73	14.31	56.04	74.00	-17.96	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	34.86	14.25	49.11	54.00	-4.89	Vertical
2	2484.3355	34.19	14.27	48.46	54.00	-5.54	Vertical
3	2501.8202	31.08	14.31	45.39	54.00	-8.61	Vertical

Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
3. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Attenuator) - Amplifier Gain.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

8.4. SPURIOUS EMISSIONS

TEST RESULTS TABLE

1) For 1GHz~18GHz

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

2) 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.

3) 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.

4) For 18GHz~26.5GHz

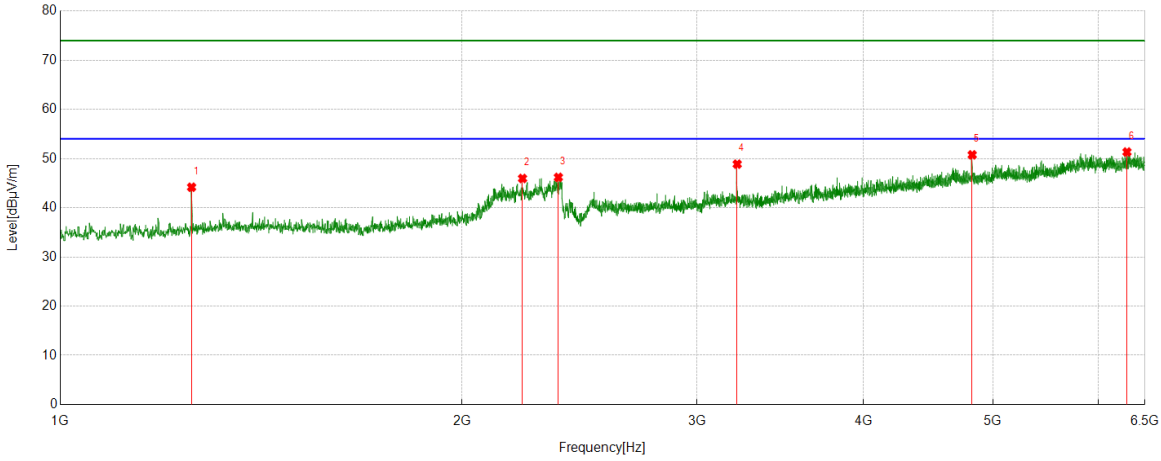
Test Mode	Channel	Puw(dBm)	Verdict
11B	MCH	<Limit	PASS

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.

Part 1: 1GHz~6.5GHz

HARMONICS AND SPURIOUS EMISSIONS

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

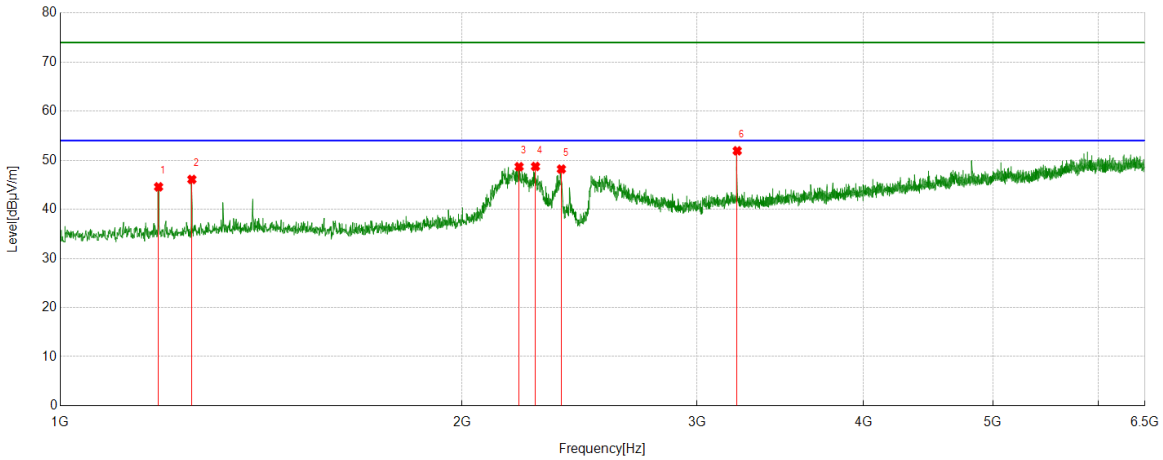


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1254.4068	45.03	-0.85	44.18	74.00	-29.82	Horizontal
2	2220.4651	42.10	3.86	45.96	74.00	-28.04	Horizontal
3	2362.1078	42.38	3.81	46.19	74.00	-27.81	Horizontal
4	3216.0895	42.34	6.53	48.87	74.00	-25.13	Horizontal
5	4824.3530	38.34	12.42	50.76	74.00	-23.24	Horizontal
6	6301.2877	34.45	16.89	51.34	74.00	-22.66	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS

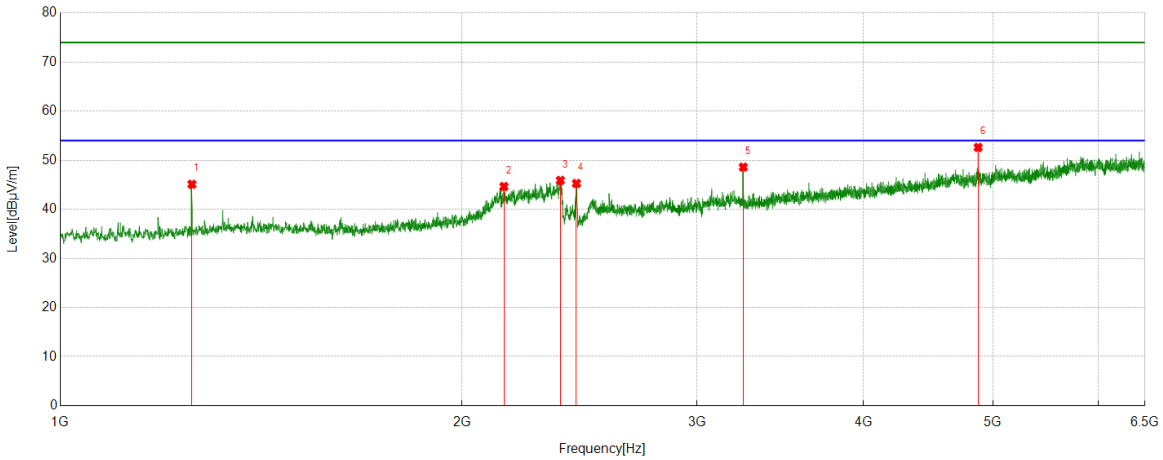


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1184.9606	45.77	-1.19	44.58	74.00	-29.42	Vertical
2	1255.0944	46.95	-0.86	46.09	74.00	-27.91	Vertical
3	2207.4009	44.93	3.75	48.68	74.00	-25.32	Vertical
4	2270.6588	45.01	3.72	48.73	74.00	-25.27	Vertical
5	2374.4843	44.42	3.77	48.19	74.00	-25.81	Vertical
6	3216.0895	45.39	6.53	51.92	74.00	-22.08	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS

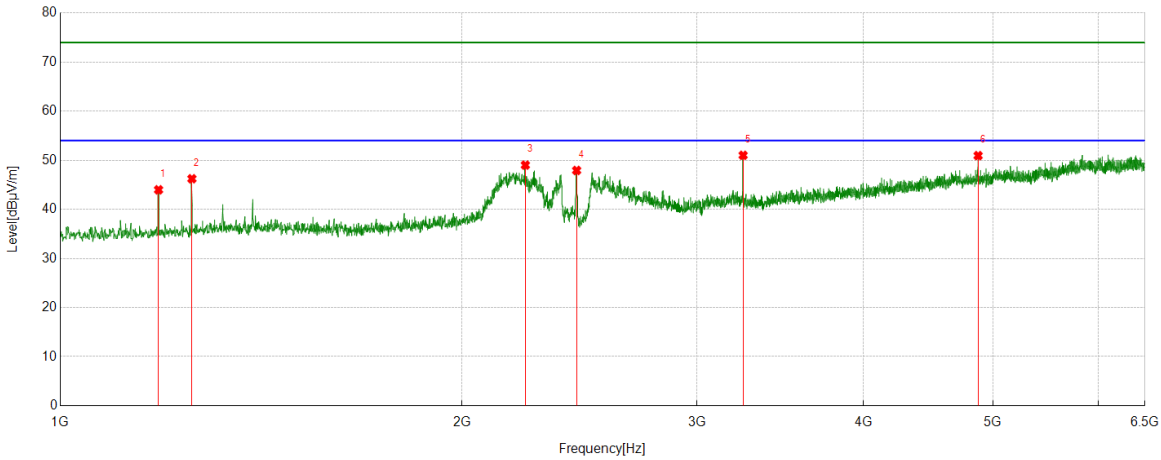


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	45.96	-0.86	45.10	74.00	-28.90	Horizontal
2	2150.3313	41.74	2.91	44.65	74.00	-29.35	Horizontal
3	2370.3588	42.11	3.79	45.90	74.00	-28.10	Horizontal
4	2437.0546	41.53	3.74	45.27	74.00	-28.73	Horizontal
5	3249.7812	42.28	6.31	48.59	74.00	-25.41	Horizontal
6	4873.8592	40.73	11.88	52.61	74.00	-21.39	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS

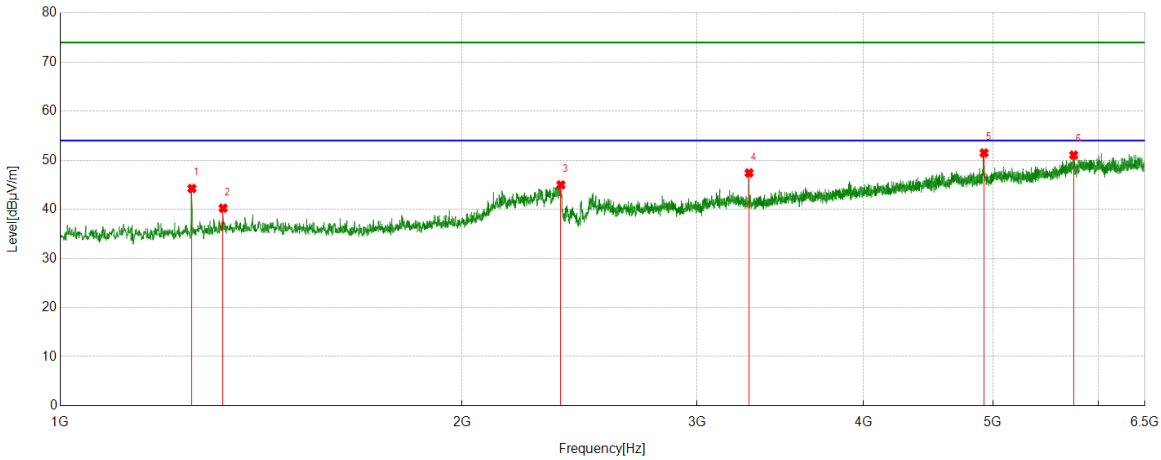


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1184.9606	45.17	-1.19	43.98	74.00	-30.02	Vertical
2	1255.0944	47.09	-0.86	46.23	74.00	-27.77	Vertical
3	2231.4664	45.16	3.85	49.01	74.00	-24.99	Vertical
4	2437.7422	44.18	3.74	47.92	74.00	-26.08	Vertical
5	3249.0936	44.72	6.29	51.01	74.00	-22.99	Vertical
6	4873.8592	39.06	11.88	50.94	74.00	-23.06	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS

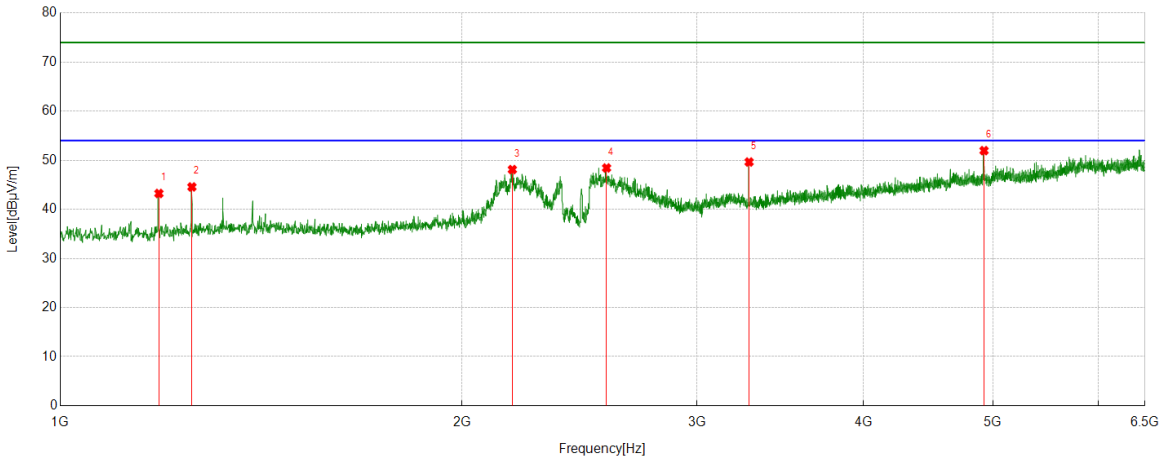


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	45.11	-0.86	44.25	74.00	-29.75	Horizontal
2	1324.5406	40.46	-0.22	40.24	74.00	-33.76	Horizontal
3	2372.4216	41.20	3.78	44.98	74.00	-29.02	Horizontal
4	3282.7853	41.31	6.10	47.41	74.00	-26.59	Horizontal
5	4924.0530	39.24	12.24	51.48	74.00	-22.52	Horizontal
6	5747.7810	35.56	15.49	51.05	74.00	-22.95	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS

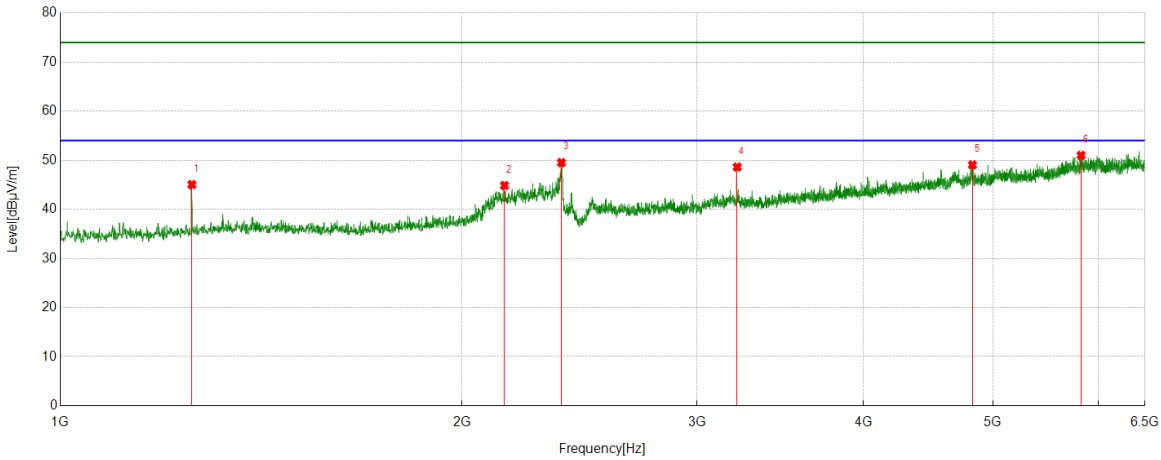


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1185.6482	44.44	-1.21	43.23	74.00	-30.77	Vertical
2	1255.0944	45.42	-0.86	44.56	74.00	-29.44	Vertical
3	2181.9602	44.24	3.86	48.10	74.00	-25.90	Vertical
4	2567.0084	45.01	3.42	48.43	74.00	-25.57	Vertical
5	3282.7853	43.54	6.10	49.64	74.00	-24.36	Vertical
6	4924.0530	39.72	12.24	51.96	74.00	-22.04	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS

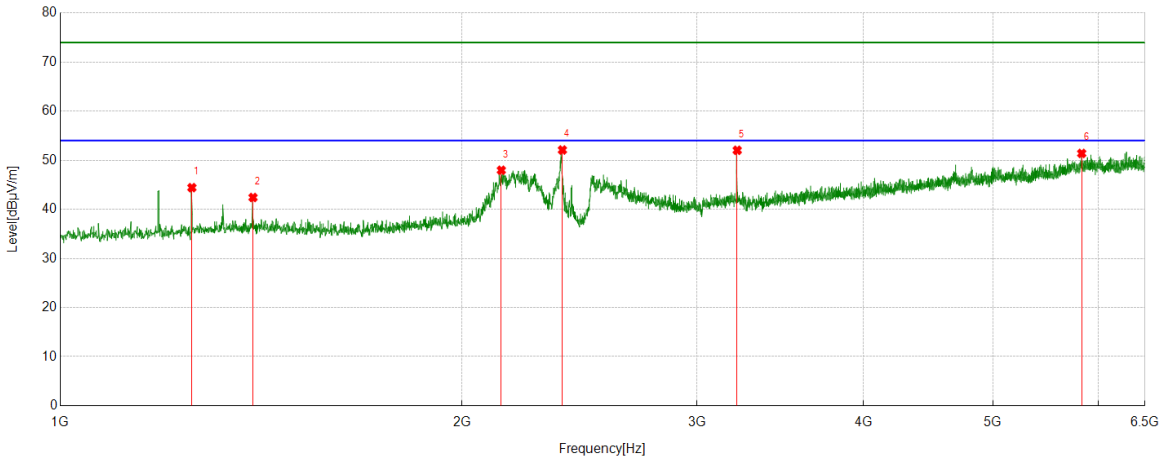


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	45.90	-0.86	45.04	74.00	-28.96	Horizontal
2	2152.3940	41.82	3.03	44.85	74.00	-29.15	Horizontal
3	2374.4843	45.74	3.77	49.51	74.00	-24.49	Horizontal
4	3216.0895	42.08	6.53	48.61	74.00	-25.39	Horizontal
5	4826.4158	36.76	12.29	49.05	74.00	-24.95	Horizontal
6	5822.0403	34.41	16.57	50.98	74.00	-23.02	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS

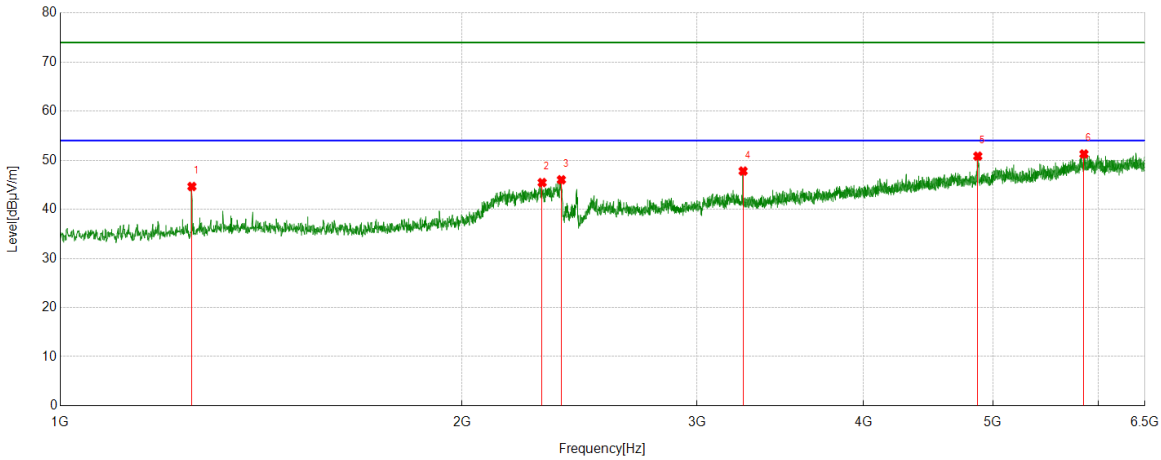


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	45.28	-0.86	44.42	74.00	-29.58	Vertical
2	1394.6743	42.84	-0.43	42.41	74.00	-31.59	Vertical
3	2140.7051	45.16	2.80	47.96	74.00	-26.04	Vertical
4	2378.6098	48.33	3.76	52.09	74.00	-21.91	Vertical
5	3216.0895	45.50	6.53	52.03	74.00	-21.97	Vertical
6	5827.5409	34.81	16.58	51.39	74.00	-22.61	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	MCH	Horizontal	PASS

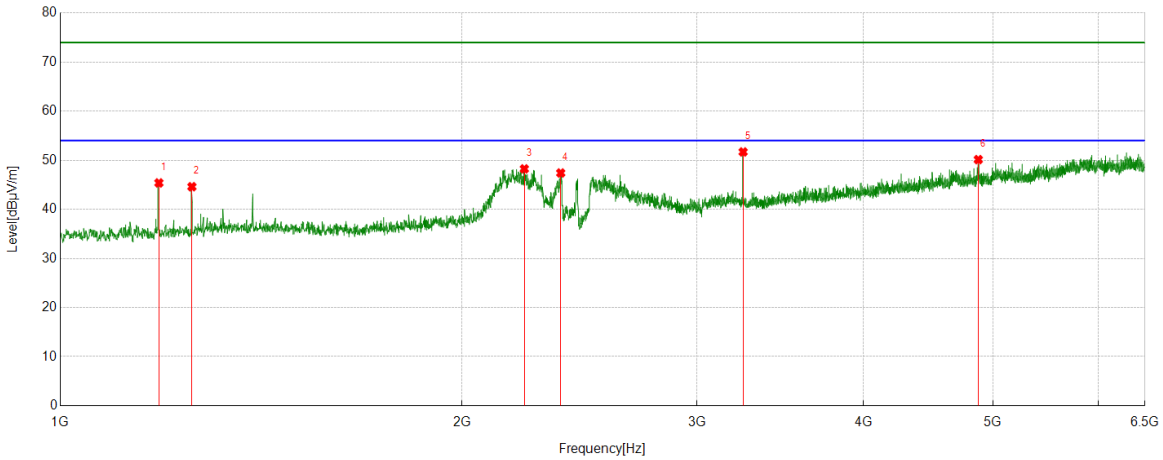


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	45.51	-0.86	44.65	74.00	-29.35	Horizontal
2	2296.7871	41.85	3.60	45.45	74.00	-28.55	Horizontal
3	2374.4843	42.25	3.77	46.02	74.00	-27.98	Horizontal
4	3249.0936	41.50	6.29	47.79	74.00	-26.21	Horizontal
5	4871.1089	39.02	11.81	50.83	74.00	-23.17	Horizontal
6	5850.2313	35.44	15.83	51.27	74.00	-22.73	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	MCH	Vertical	PASS

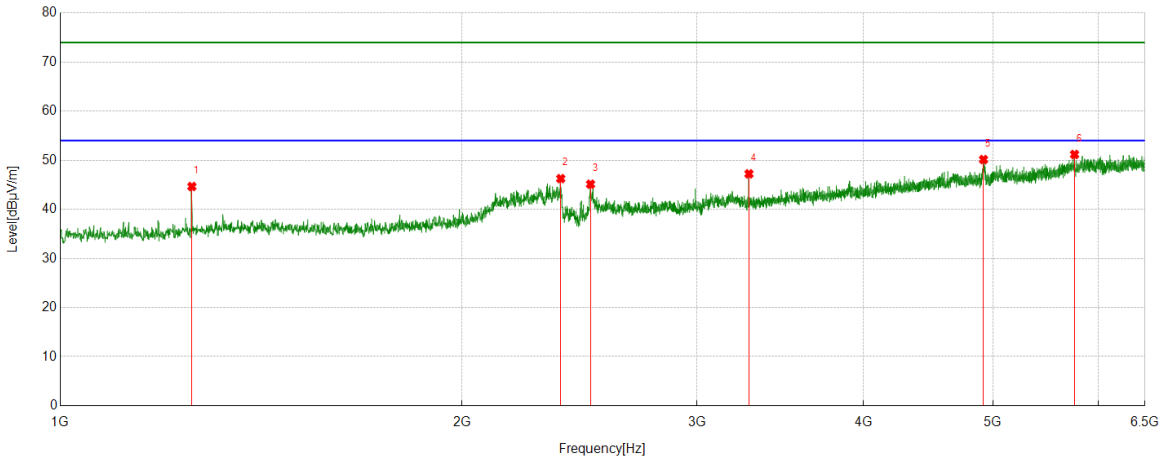


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1185.6482	46.59	-1.21	45.38	74.00	-28.62	Vertical
2	1255.0944	45.47	-0.86	44.61	74.00	-29.39	Vertical
3	2227.3409	44.38	3.86	48.24	74.00	-25.76	Vertical
4	2371.7340	43.61	3.79	47.40	74.00	-26.60	Vertical
5	3249.0936	45.40	6.29	51.69	74.00	-22.31	Vertical
6	4875.2344	38.22	11.91	50.13	74.00	-23.87	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS

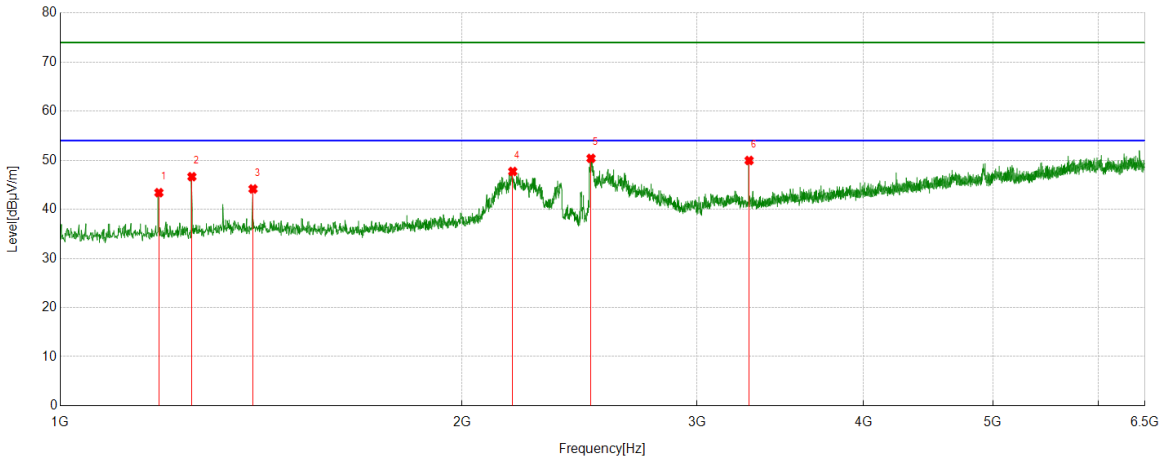


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	45.51	-0.86	44.65	74.00	-29.35	Horizontal
2	2371.7340	42.47	3.79	46.26	74.00	-27.74	Horizontal
3	2496.8746	41.15	3.97	45.12	74.00	-28.88	Horizontal
4	3282.0978	41.15	6.08	47.23	74.00	-26.77	Horizontal
5	4919.2399	37.89	12.25	50.14	74.00	-23.86	Horizontal
6	5756.0320	35.48	15.70	51.18	74.00	-22.82	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS

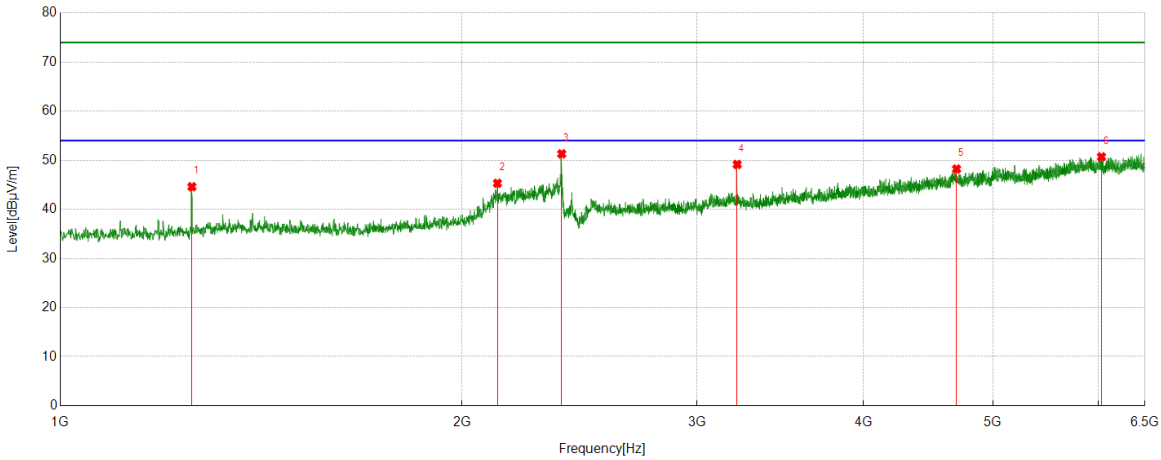


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1185.6482	44.60	-1.21	43.39	74.00	-30.61	Vertical
2	1255.0944	47.51	-0.86	46.65	74.00	-27.35	Vertical
3	1394.6743	44.58	-0.43	44.15	74.00	-29.85	Vertical
4	2183.3354	43.90	3.81	47.71	74.00	-26.29	Vertical
5	2498.9374	46.40	3.98	50.38	74.00	-23.62	Vertical
6	3282.7853	43.85	6.10	49.95	74.00	-24.05	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS

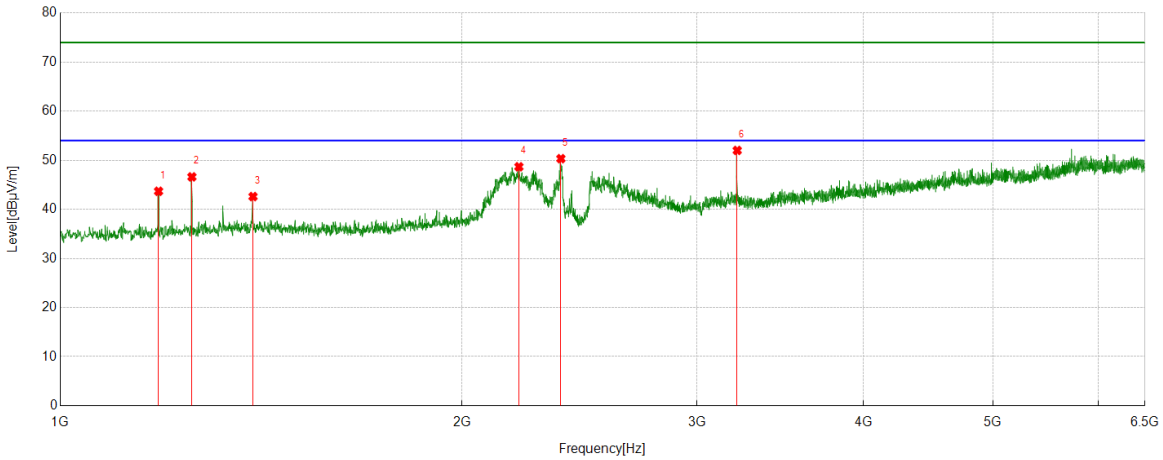


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	45.46	-0.86	44.60	74.00	-29.40	Horizontal
2	2126.2658	43.00	2.31	45.31	74.00	-28.69	Horizontal
3	2375.8595	47.53	3.77	51.30	74.00	-22.70	Horizontal
4	3216.0895	42.61	6.53	49.14	74.00	-24.86	Horizontal
5	4695.7745	35.66	12.56	48.22	74.00	-25.78	Horizontal
6	6029.6912	35.14	15.56	50.70	74.00	-23.30	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS

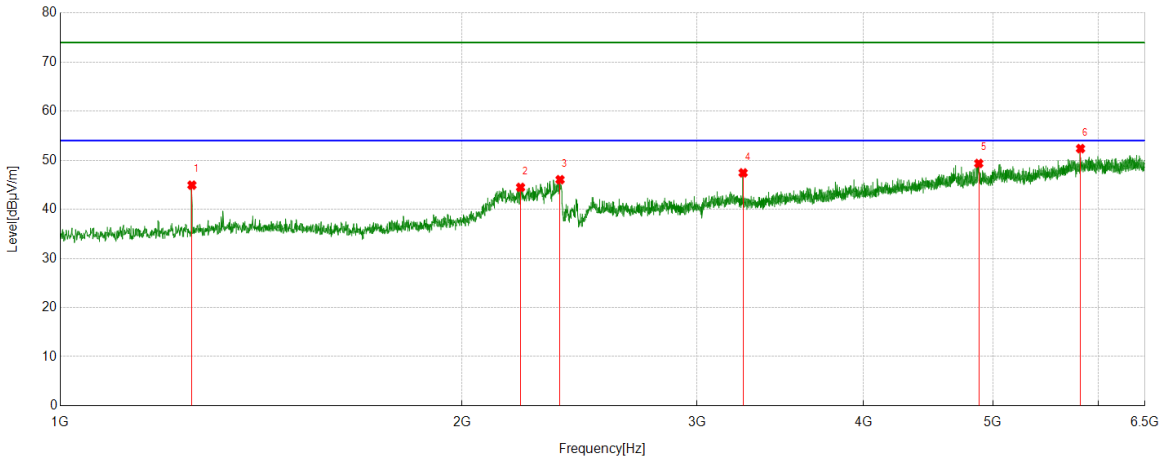


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1184.9606	44.87	-1.19	43.68	74.00	-30.32	Vertical
2	1255.0944	47.47	-0.86	46.61	74.00	-27.39	Vertical
3	1394.6743	43.03	-0.43	42.60	74.00	-31.40	Vertical
4	2206.7133	44.90	3.77	48.67	74.00	-25.33	Vertical
5	2372.4216	46.54	3.78	50.32	74.00	-23.68	Vertical
6	3216.0895	45.47	6.53	52.00	74.00	-22.00	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Horizontal	PASS

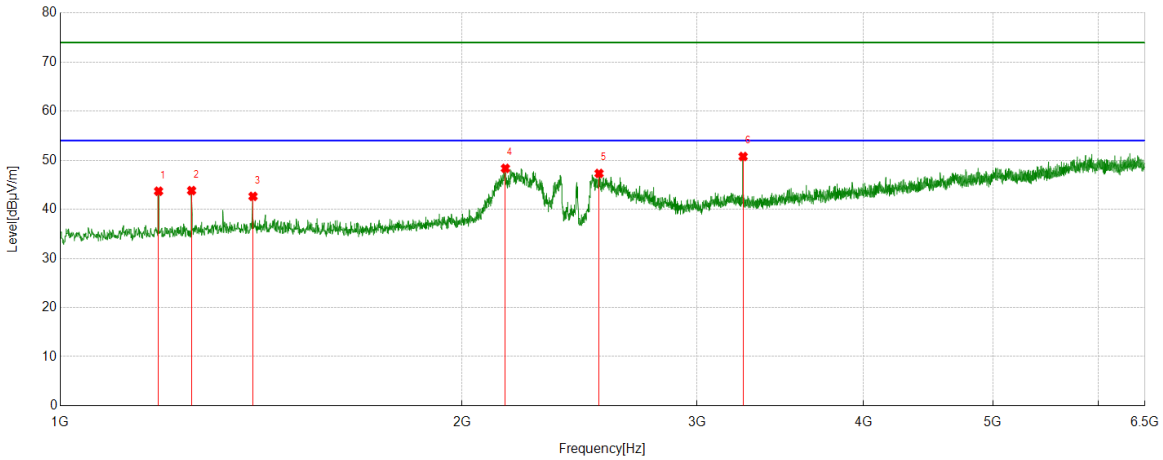


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	45.79	-0.86	44.93	74.00	-29.07	Horizontal
2	2212.9016	40.75	3.73	44.48	74.00	-29.52	Horizontal
3	2368.9836	42.25	3.79	46.04	74.00	-27.96	Horizontal
4	3249.0936	41.14	6.29	47.43	74.00	-26.57	Horizontal
5	4879.3599	37.34	12.01	49.35	74.00	-24.65	Horizontal
6	5815.8520	36.01	16.36	52.37	74.00	-21.63	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Vertical	PASS

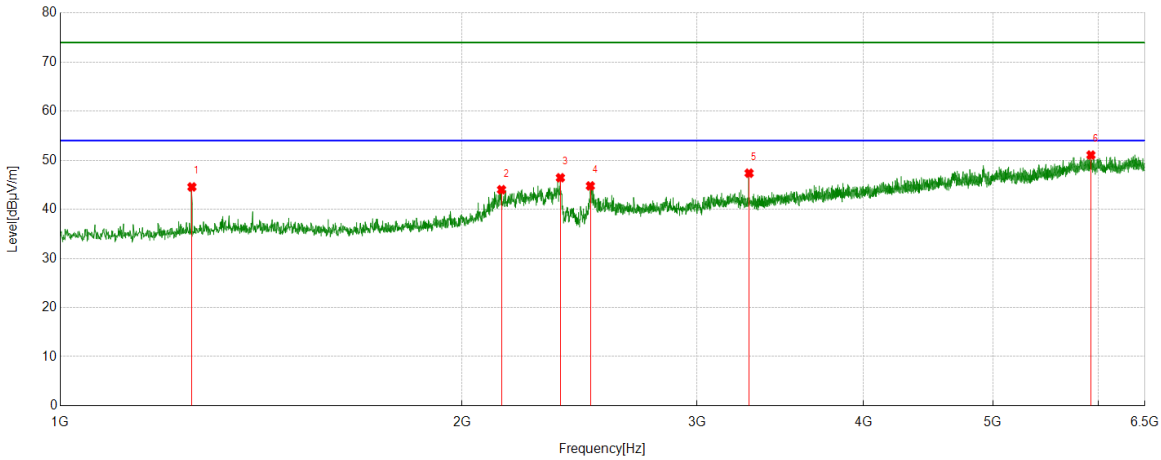


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1184.9606	44.88	-1.19	43.69	74.00	-30.31	Vertical
2	1254.4068	44.67	-0.85	43.82	74.00	-30.18	Vertical
3	1394.6743	43.07	-0.43	42.64	74.00	-31.36	Vertical
4	2155.8320	45.12	3.22	48.34	74.00	-25.66	Vertical
5	2534.0043	43.63	3.68	47.31	74.00	-26.69	Vertical
6	3249.0936	44.47	6.29	50.76	74.00	-23.24	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS

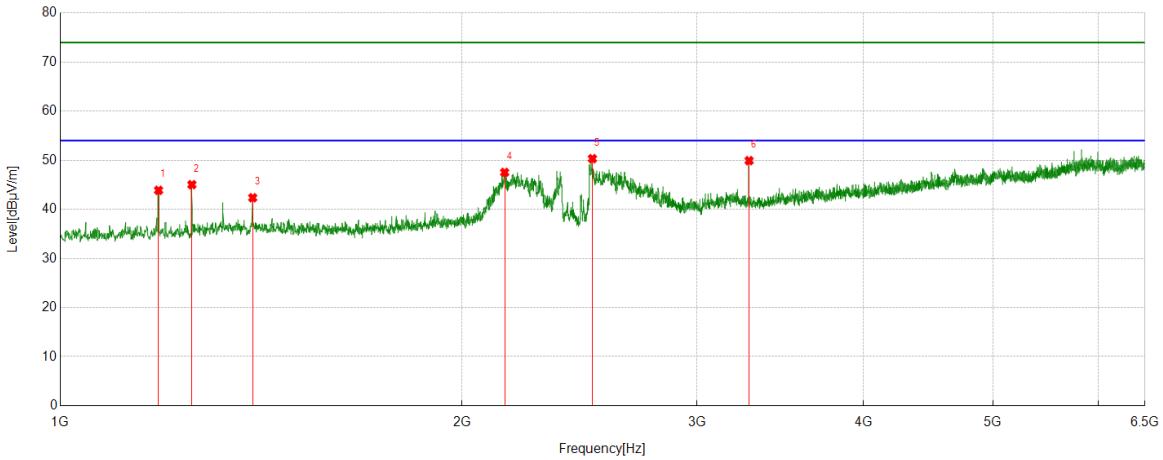


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	45.42	-0.86	44.56	74.00	-29.44	Horizontal
2	2141.3927	41.19	2.81	44.00	74.00	-30.00	Horizontal
3	2370.3588	42.64	3.79	46.43	74.00	-27.57	Horizontal
4	2496.1870	40.80	3.97	44.77	74.00	-29.23	Horizontal
5	3282.7853	41.26	6.10	47.36	74.00	-26.64	Horizontal
6	5921.0526	34.75	16.31	51.06	74.00	-22.94	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS



PK Result:

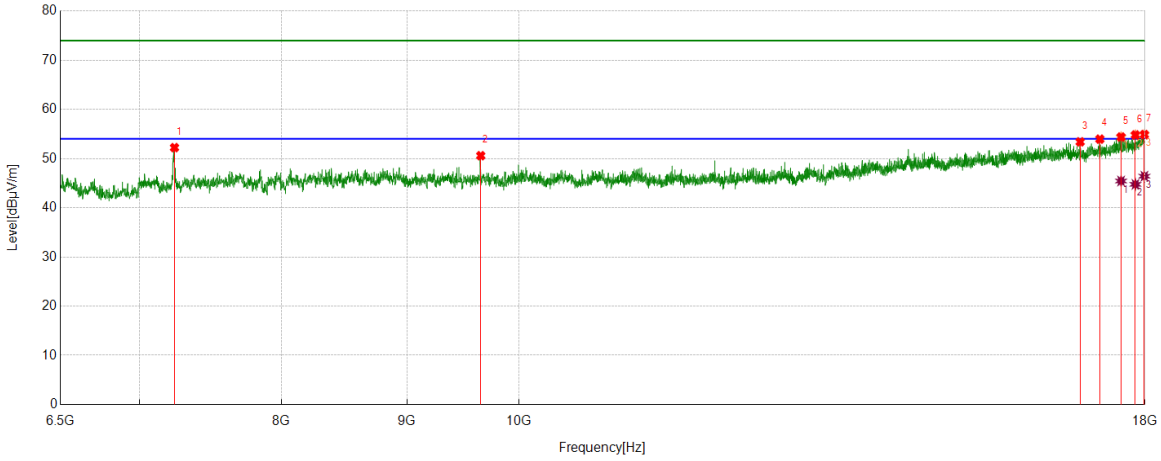
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1184.9606	45.07	-1.19	43.88	74.00	-30.12	Vertical
2	1255.0944	45.89	-0.86	45.03	74.00	-28.97	Vertical
3	1393.9867	42.78	-0.42	42.36	74.00	-31.64	Vertical
4	2153.0816	44.45	3.07	47.52	74.00	-26.48	Vertical
5	2505.1256	46.34	3.98	50.32	74.00	-23.68	Vertical
6	3282.7853	43.82	6.10	49.92	74.00	-24.08	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
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. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Part 2: 6.5GHz~18GHz

HARMONICS AND SPURIOUS EMISSIONS

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS



PK Result:

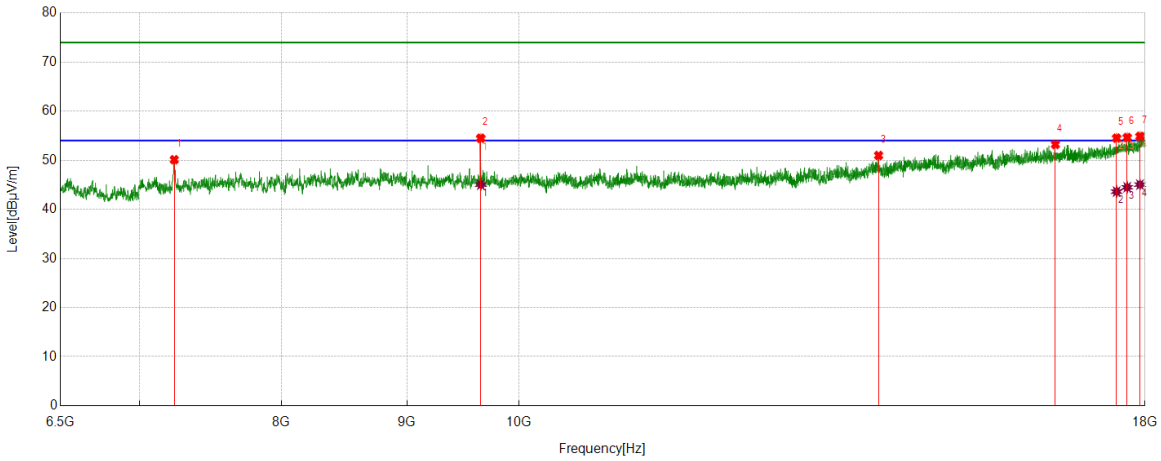
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7236.0920	48.42	3.81	52.23	74.00	-21.77	Horizontal
2	9647.0809	44.20	6.39	50.59	74.00	-23.41	Horizontal
3	16937.5547	37.34	16.06	53.40	74.00	-20.60	Horizontal
4	17253.8442	37.17	16.79	53.96	74.00	-20.04	Horizontal
5	17600.3250	36.35	18.03	54.38	74.00	-19.62	Horizontal
6	17838.9799	35.72	19.09	54.81	74.00	-19.19	Horizontal
7	17989.9362	35.09	19.80	54.89	74.00	-19.11	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17600.3250	27.41	18.03	45.44	54.00	-8.56	Horizontal
2	17838.9799	25.67	19.09	44.76	54.00	-9.24	Horizontal
3	17989.9362	26.62	19.80	46.42	54.00	-7.58	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS



PK Result:

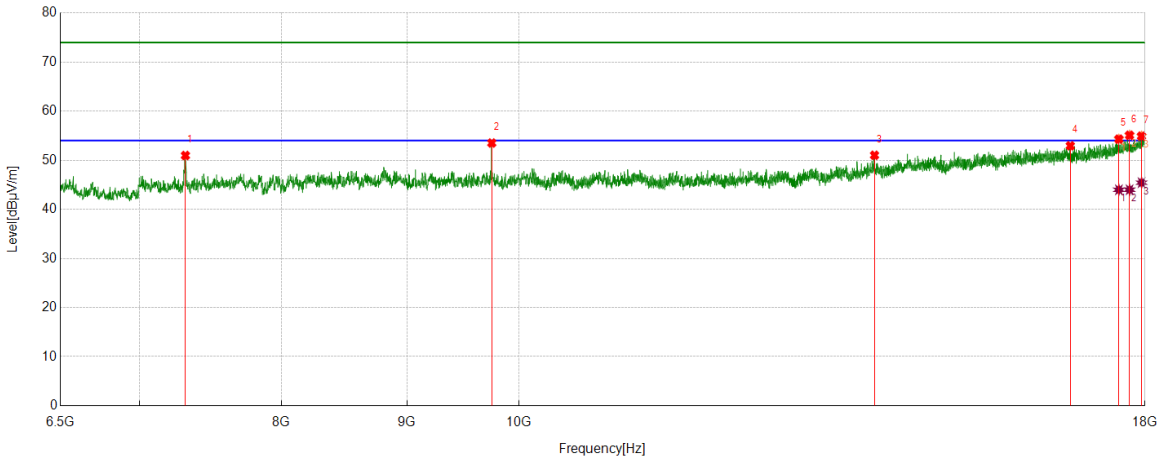
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7234.6543	46.27	3.84	50.11	74.00	-23.89	Vertical
2	9647.8986	48.04	6.39	54.43	74.00	-19.57	Vertical
3	14016.1895	39.15	11.82	50.97	74.00	-23.03	Vertical
4	16547.9435	37.36	15.85	53.21	74.00	-20.79	Vertical
5	17527.0034	36.93	17.58	54.51	74.00	-19.49	Vertical
6	17702.4003	36.35	18.29	54.64	74.00	-19.36	Vertical
7	17915.1769	35.55	19.31	54.86	74.00	-19.14	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	9647.8986	38.64	6.39	45.03	54.00	-8.97	Vertical
2	17527.0034	26.03	17.58	43.61	54.00	-10.39	Vertical
3	17702.4003	26.20	18.29	44.49	54.00	-9.51	Vertical
4	17915.1769	25.73	19.31	45.04	54.00	-8.96	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



PK Result:

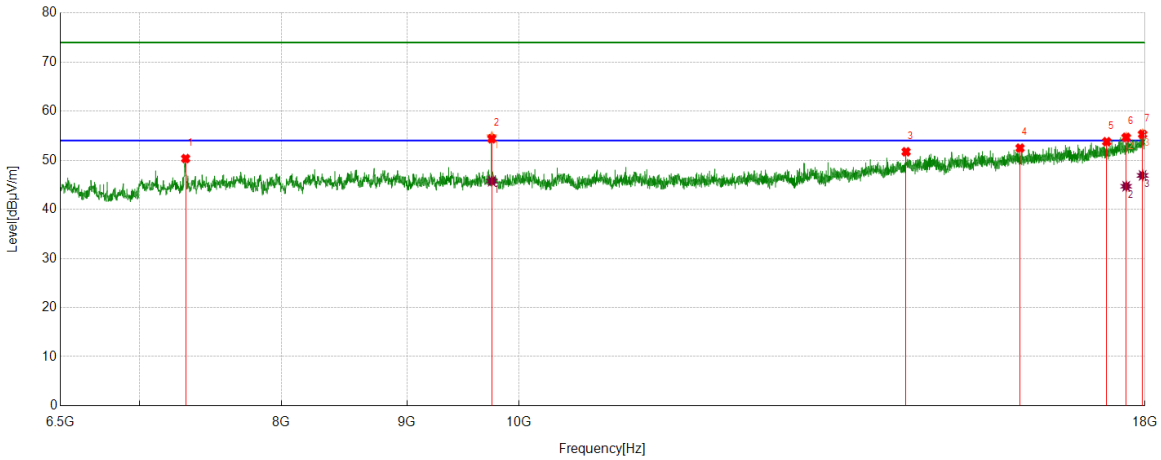
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7310.8514	47.12	3.85	50.97	74.00	-23.03	Horizontal
2	9747.7185	47.03	6.48	53.51	74.00	-20.49	Horizontal
3	13962.9954	39.53	11.49	51.02	74.00	-22.98	Horizontal
4	16780.8476	36.64	16.30	52.94	74.00	-21.06	Horizontal
5	17564.3830	36.47	17.83	54.30	74.00	-19.70	Horizontal
6	17741.2177	36.54	18.55	55.09	74.00	-18.91	Horizontal
7	17942.4928	35.45	19.46	54.91	74.00	-19.09	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17564.3830	26.15	17.83	43.98	54.00	-10.02	Horizontal
2	17741.2177	25.44	18.55	43.99	54.00	-10.01	Horizontal
3	17942.4928	25.97	19.46	45.43	54.00	-8.57	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



PK Result:

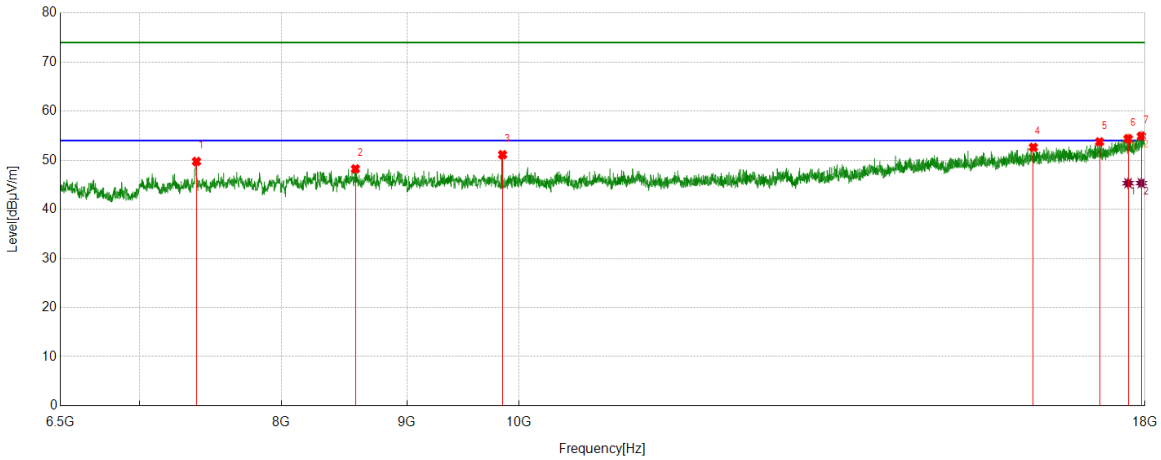
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7312.2890	46.49	3.85	50.34	74.00	-23.66	Vertical
2	9747.9862	48.35	6.48	54.83	74.00	-19.17	Vertical
3	14382.7978	38.99	12.73	51.72	74.00	-22.28	Vertical
4	16007.3759	37.93	14.54	52.47	74.00	-21.53	Vertical
5	17364.5456	36.47	17.31	53.78	74.00	-20.22	Vertical
6	17685.1481	36.51	18.15	54.66	74.00	-19.34	Vertical
7	17959.7450	35.68	19.63	55.31	74.00	-18.69	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	9747.9862	39.25	6.48	45.73	54.00	-8.27	Vertical
2	17685.1481	26.55	18.15	44.70	54.00	-9.30	Vertical
3	17959.7450	27.28	19.63	46.91	54.00	-7.09	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



PK Result:

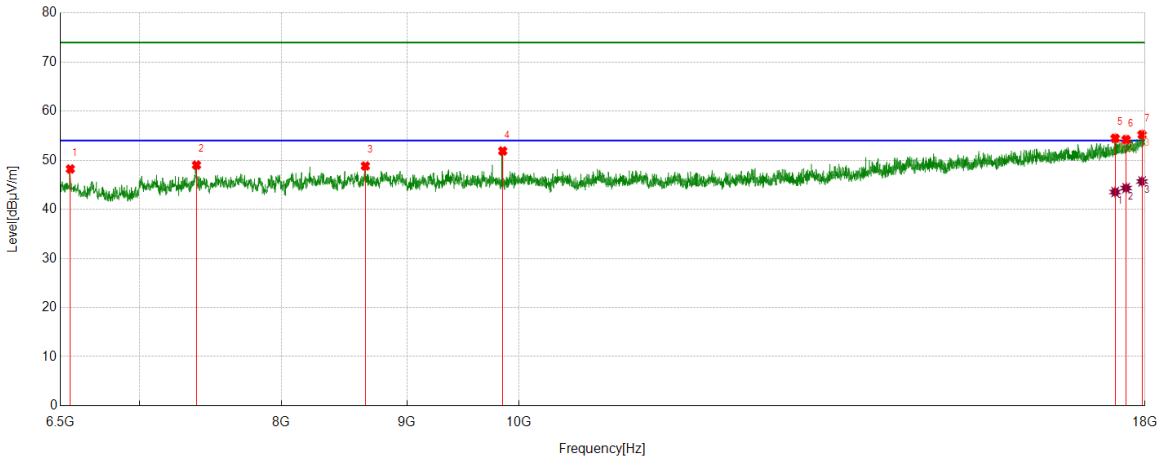
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7387.0484	45.60	4.15	49.75	74.00	-24.25	Horizontal
2	8576.0095	41.89	6.35	48.24	74.00	-25.76	Horizontal
3	9846.9184	44.66	6.48	51.14	74.00	-22.86	Horizontal
4	16208.6511	37.57	15.06	52.63	74.00	-21.37	Horizontal
5	17248.0935	36.98	16.76	53.74	74.00	-20.26	Horizontal
6	17716.7771	35.95	18.44	54.39	74.00	-19.61	Horizontal
7	17939.6175	35.46	19.45	54.91	74.00	-19.09	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17716.7771	26.89	18.44	45.33	54.00	-8.67	Horizontal
2	17939.6175	25.89	19.45	45.34	54.00	-8.66	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



PK Result:

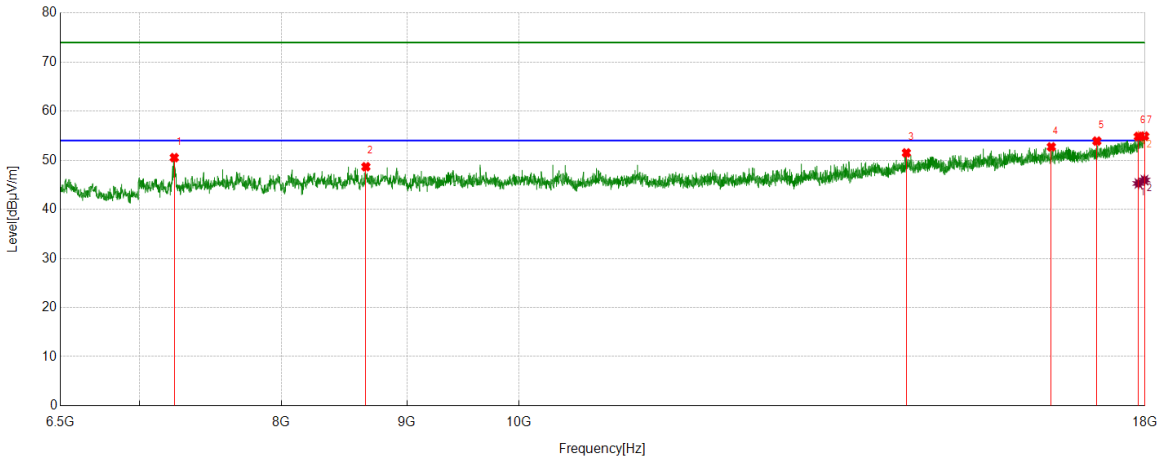
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	6561.8202	44.86	3.36	48.22	74.00	-25.78	Vertical
2	7387.0484	44.86	4.15	49.01	74.00	-24.99	Vertical
3	8656.5196	42.49	6.34	48.83	74.00	-25.17	Vertical
4	9848.3560	45.37	6.51	51.88	74.00	-22.12	Vertical
5	17502.5628	36.85	17.62	54.47	74.00	-19.53	Vertical
6	17683.7105	36.07	18.13	54.20	74.00	-19.80	Vertical
7	17951.1189	35.71	19.50	55.21	74.00	-18.79	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17502.5628	25.90	17.62	43.52	54.00	-10.48	Vertical
2	17683.7105	26.20	18.13	44.33	54.00	-9.67	Vertical
3	17951.1189	26.18	19.50	45.68	54.00	-8.32	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS



PK Result:

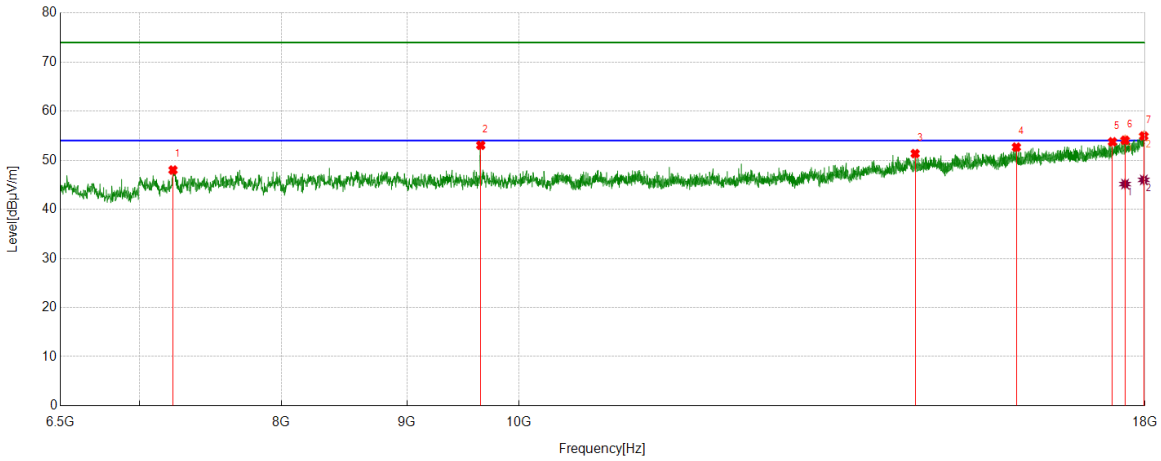
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7234.6543	46.69	3.84	50.53	74.00	-23.47	Horizontal
2	8660.8326	42.24	6.43	48.67	74.00	-25.33	Horizontal
3	14387.1109	38.73	12.77	51.50	74.00	-22.50	Horizontal
4	16484.6856	36.84	15.88	52.72	74.00	-21.28	Horizontal
5	17204.9631	37.22	16.68	53.90	74.00	-20.10	Horizontal
6	17889.2987	35.54	19.30	54.84	74.00	-19.16	Horizontal
7	17991.3739	35.12	19.79	54.91	74.00	-19.09	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17889.2987	25.97	19.30	45.27	54.00	-8.73	Horizontal
2	17991.3739	26.17	19.79	45.96	54.00	-8.04	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS



PK Result:

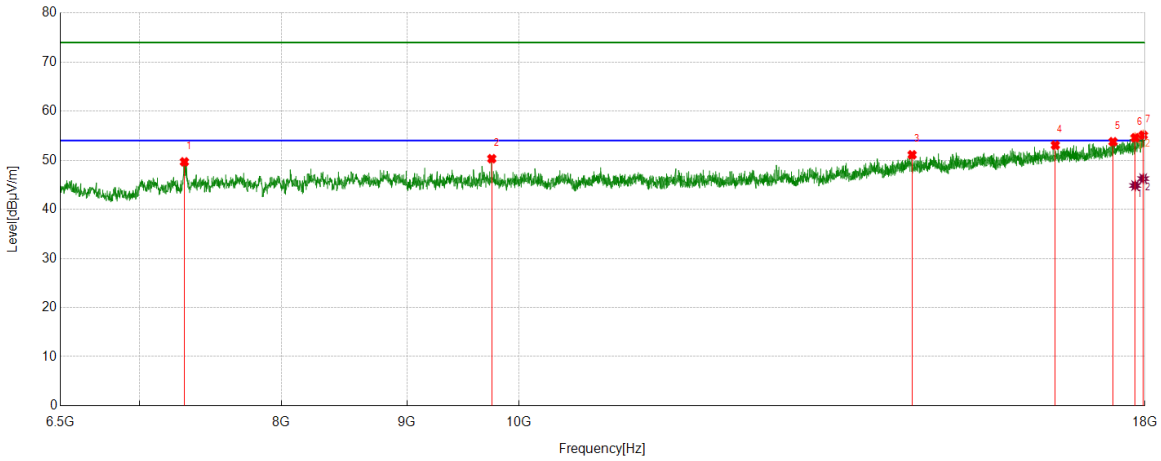
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7226.0283	44.16	3.84	48.00	74.00	-26.00	Vertical
2	9647.0809	46.66	6.39	53.05	74.00	-20.95	Vertical
3	14506.4383	38.59	12.76	51.35	74.00	-22.65	Vertical
4	15952.7441	38.19	14.47	52.66	74.00	-21.34	Vertical
5	17459.4324	36.13	17.62	53.75	74.00	-20.25	Vertical
6	17666.4583	36.00	18.07	54.07	74.00	-19.93	Vertical
7	17979.8725	35.12	19.81	54.93	74.00	-19.07	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17666.4583	27.08	18.07	45.15	54.00	-8.85	Vertical
2	17979.8725	26.19	19.81	46.00	54.00	-8.00	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	MCH	Horizontal	PASS



PK Result:

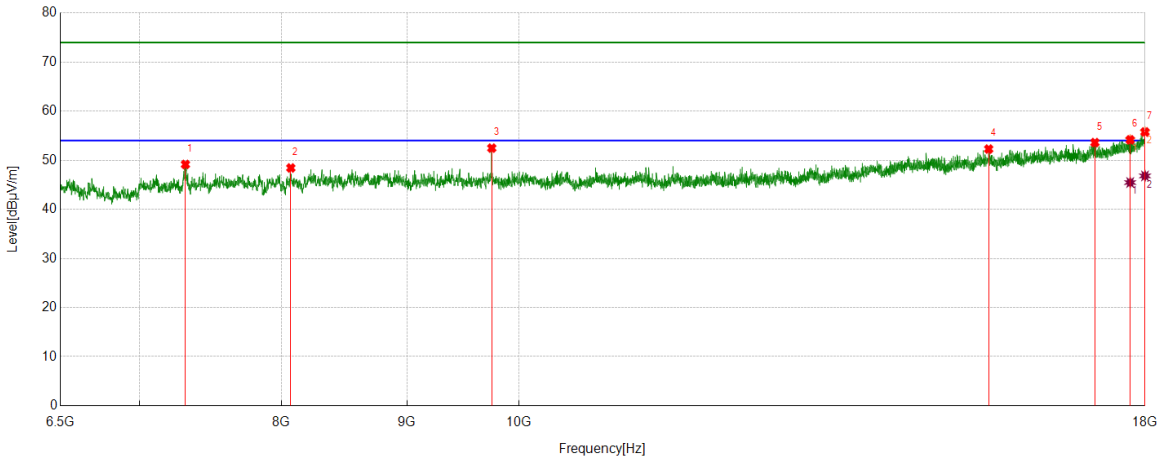
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7303.6630	45.93	3.74	49.67	74.00	-24.33	Horizontal
2	9747.7185	43.83	6.48	50.31	74.00	-23.69	Horizontal
3	14464.7456	38.27	12.83	51.10	74.00	-22.90	Horizontal
4	16546.5058	37.23	15.84	53.07	74.00	-20.93	Horizontal
5	17468.0585	36.14	17.63	53.77	74.00	-20.23	Horizontal
6	17834.6668	35.48	19.10	54.58	74.00	-19.42	Horizontal
7	17969.8087	35.48	19.63	55.11	74.00	-18.89	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17834.6668	25.75	19.10	44.85	54.00	-9.15	Horizontal
2	17969.8087	26.63	19.63	46.26	54.00	-7.74	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	MCH	Vertical	PASS



PK Result:

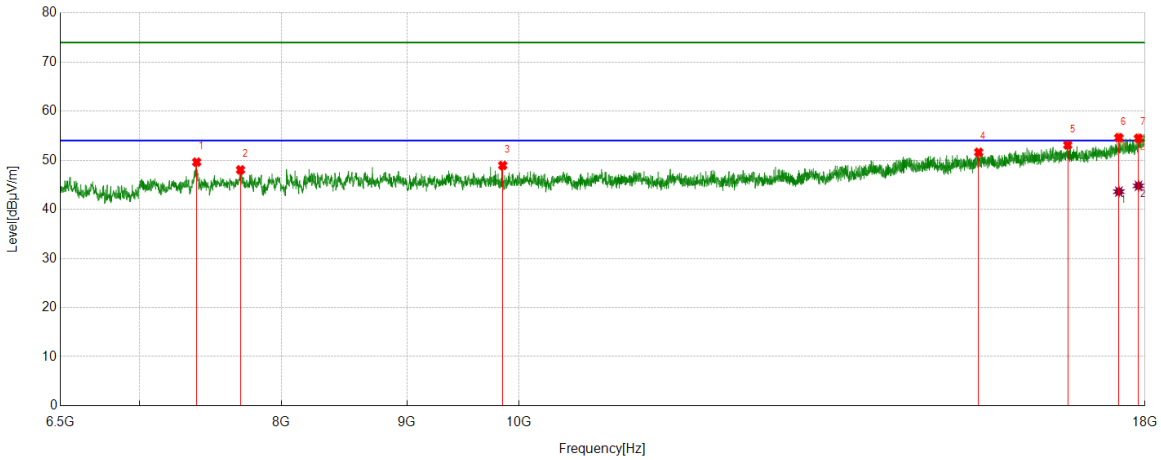
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7310.8514	45.30	3.85	49.15	74.00	-24.85	Vertical
2	8071.3839	42.76	5.67	48.43	74.00	-25.57	Vertical
3	9747.7185	45.99	6.48	52.47	74.00	-21.53	Vertical
4	15543.0054	38.48	13.80	52.28	74.00	-21.72	Vertical
5	17173.3342	37.10	16.50	53.60	74.00	-20.40	Vertical
6	17751.2814	35.57	18.59	54.16	74.00	-19.84	Vertical
7	18000.0000	36.03	19.74	55.77	74.00	-18.23	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17751.2814	26.87	18.59	45.46	54.00	-8.54	Vertical
2	18000.0000	27.07	19.74	46.81	54.00	-7.19	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS



PK Result:

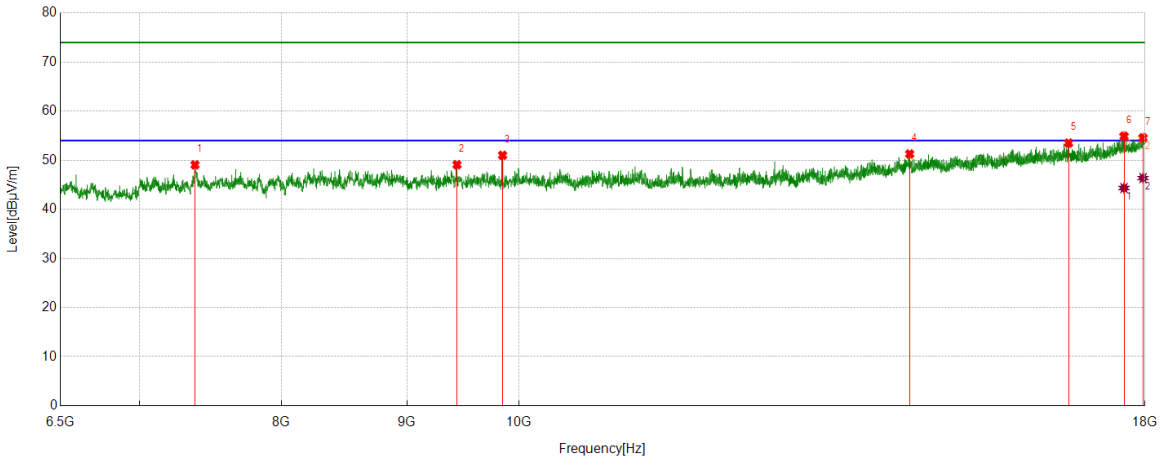
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7388.4861	45.47	4.15	49.62	74.00	-24.38	Horizontal
2	7699.0249	42.48	5.57	48.05	74.00	-25.95	Horizontal
3	9848.3560	42.43	6.51	48.94	74.00	-25.06	Horizontal
4	15397.7997	37.98	13.65	51.63	74.00	-22.37	Horizontal
5	16740.5926	37.15	15.94	53.09	74.00	-20.91	Horizontal
6	17564.3830	36.77	17.83	54.60	74.00	-19.40	Horizontal
7	17890.7363	35.17	19.30	54.47	74.00	-19.53	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17564.3830	25.78	17.83	43.61	54.00	-10.39	Horizontal
2	17890.7363	25.48	19.30	44.78	54.00	-9.22	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS



PK Result:

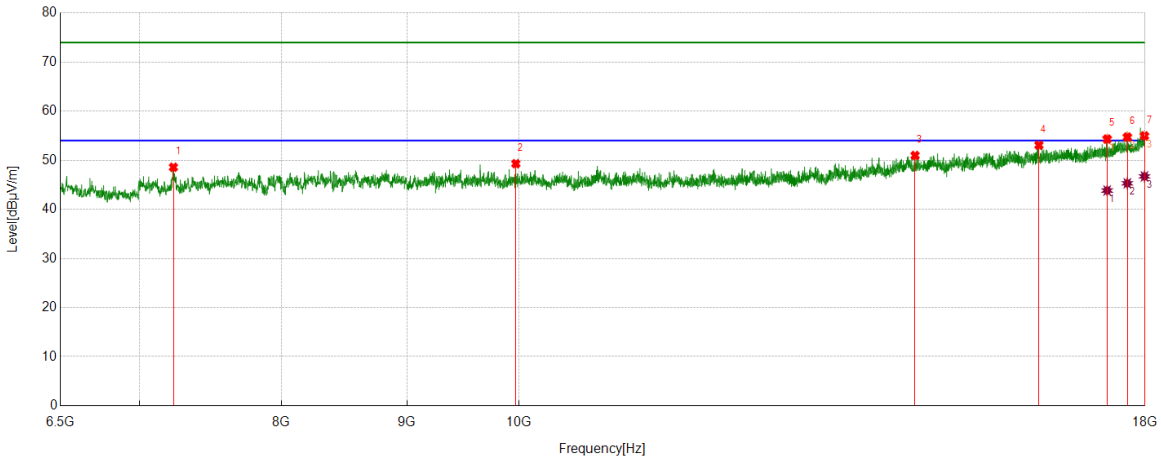
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7376.9846	44.83	4.23	49.06	74.00	-24.94	Vertical
2	9434.3043	42.49	6.60	49.09	74.00	-24.91	Vertical
3	9846.9184	44.53	6.48	51.01	74.00	-22.99	Vertical
4	14431.6790	38.41	12.87	51.28	74.00	-22.72	Vertical
5	16753.5317	37.23	16.27	53.50	74.00	-20.50	Vertical
6	17649.2062	36.87	18.03	54.90	74.00	-19.10	Vertical
7	17966.9334	34.95	19.63	54.58	74.00	-19.42	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17649.2062	26.30	18.03	44.33	54.00	-9.67	Vertical
2	17966.9334	26.74	19.63	46.37	54.00	-7.63	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS



PK Result:

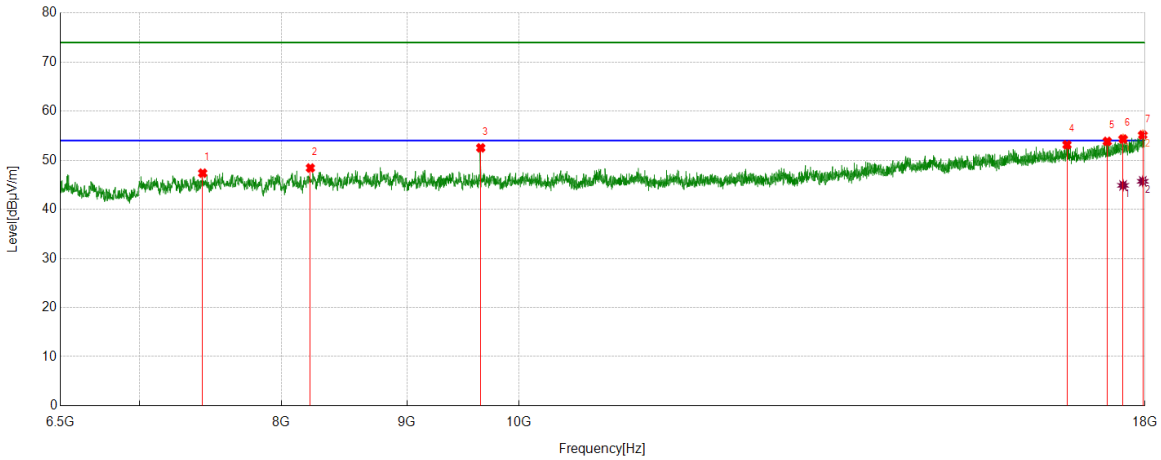
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7228.9036	44.67	3.90	48.57	74.00	-25.43	Horizontal
2	9970.5588	42.61	6.69	49.30	74.00	-24.70	Horizontal
3	14505.0006	38.20	12.77	50.97	74.00	-23.03	Horizontal
4	16293.4742	38.09	14.98	53.07	74.00	-20.93	Horizontal
5	17371.7340	36.97	17.34	54.31	74.00	-19.69	Horizontal
6	17703.8380	36.41	18.31	54.72	74.00	-19.28	Horizontal
7	17991.3739	35.18	19.79	54.97	74.00	-19.03	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17371.7340	26.49	17.34	43.83	54.00	-10.17	Horizontal
2	17703.8380	26.99	18.31	45.30	54.00	-8.70	Horizontal
3	17991.3739	26.92	19.79	46.71	54.00	-7.29	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS



PK Result:

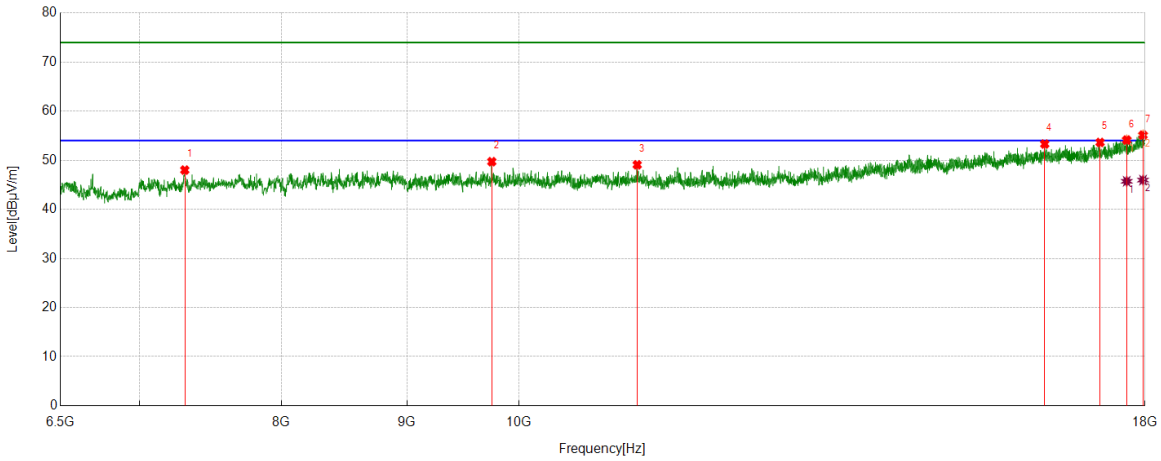
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7430.1788	43.12	4.25	47.37	74.00	-26.63	Vertical
2	8220.9026	42.29	6.13	48.42	74.00	-25.58	Vertical
3	9647.0809	46.13	6.39	52.52	74.00	-21.48	Vertical
4	16729.0911	36.97	16.17	53.14	74.00	-20.86	Vertical
5	17373.1716	36.50	17.34	53.84	74.00	-20.16	Vertical
6	17633.3917	36.29	18.03	54.32	74.00	-19.68	Vertical
7	17962.6203	35.51	19.63	55.14	74.00	-18.86	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17633.3917	26.85	18.03	44.88	54.00	-9.12	Vertical
2	17962.6203	26.08	19.63	45.71	54.00	-8.29	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Horizontal	PASS



PK Result:

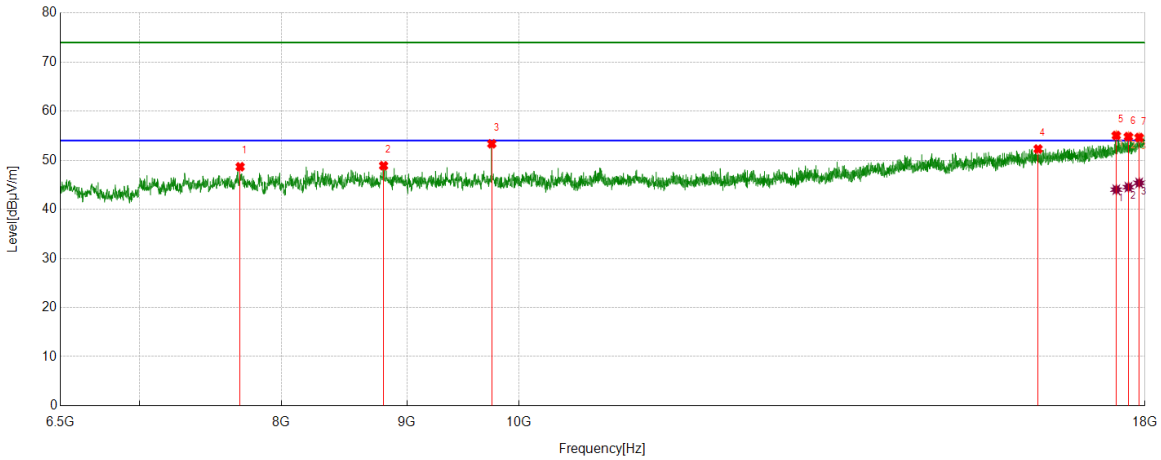
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7306.5383	44.20	3.80	48.00	74.00	-26.00	Horizontal
2	9747.7185	43.23	6.48	49.71	74.00	-24.29	Horizontal
3	11173.8967	41.74	7.33	49.07	74.00	-24.93	Horizontal
4	16382.6103	38.24	15.06	53.30	74.00	-20.70	Horizontal
5	17256.7196	36.82	16.81	53.63	74.00	-20.37	Horizontal
6	17693.7742	35.91	18.21	54.12	74.00	-19.88	Horizontal
7	17966.9334	35.49	19.63	55.12	74.00	-18.88	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17693.7742	27.50	18.21	45.71	54.00	-8.29	Horizontal
2	17966.9334	26.33	19.63	45.96	54.00	-8.04	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Vertical	PASS



PK Result:

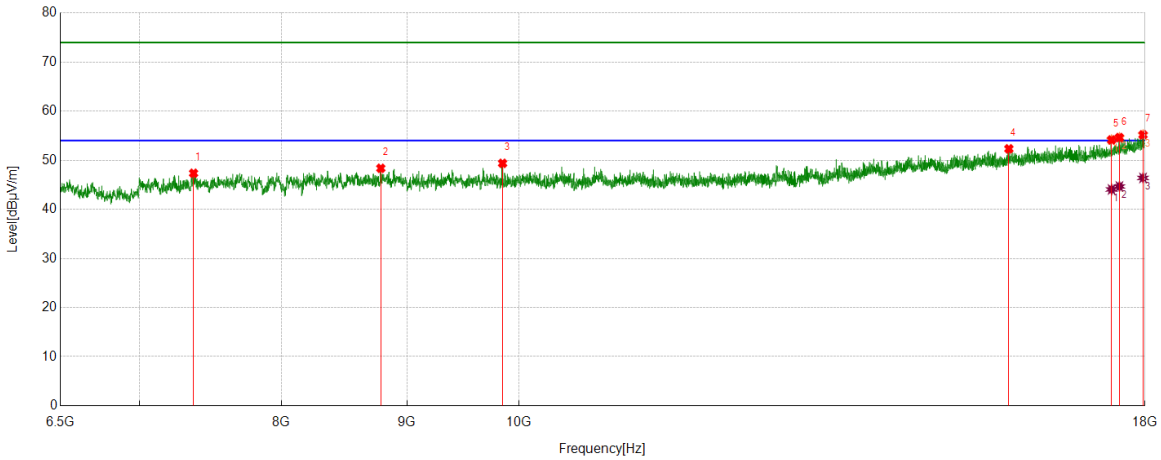
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7696.1495	43.24	5.43	48.67	74.00	-25.33	Vertical
2	8806.0383	42.61	6.27	48.88	74.00	-25.12	Vertical
3	9747.7185	46.87	6.48	53.35	74.00	-20.65	Vertical
4	16280.5351	37.08	15.21	52.29	74.00	-21.71	Vertical
5	17521.2527	37.43	17.61	55.04	74.00	-18.96	Vertical
6	17722.5278	36.31	18.50	54.81	74.00	-19.19	Vertical
7	17902.2378	35.43	19.20	54.63	74.00	-19.37	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17521.2527	26.40	17.61	44.01	54.00	-9.99	Vertical
2	17722.5278	26.02	18.50	44.52	54.00	-9.48	Vertical
3	17902.2378	26.19	19.20	45.39	54.00	-8.61	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS



PK Result:

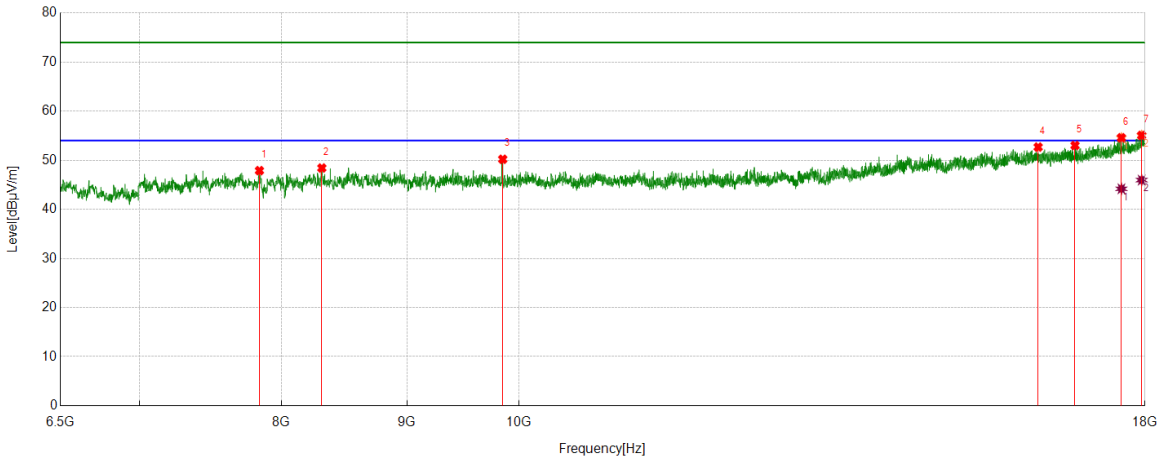
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7366.9209	43.07	4.28	47.35	74.00	-26.65	Horizontal
2	8783.0354	42.18	6.18	48.36	74.00	-25.64	Horizontal
3	9846.9184	42.89	6.48	49.37	74.00	-24.63	Horizontal
4	15840.6051	37.79	14.54	52.33	74.00	-21.67	Horizontal
5	17443.6180	36.60	17.54	54.14	74.00	-19.86	Horizontal
6	17573.0091	36.70	17.92	54.62	74.00	-19.38	Horizontal
7	17966.9334	35.55	19.63	55.18	74.00	-18.82	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17443.6180	26.51	17.54	44.05	54.00	-9.95	Horizontal
2	17573.0091	26.74	17.92	44.66	54.00	-9.34	Horizontal
3	17966.9334	26.77	19.63	46.40	54.00	-7.60	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7837.0421	42.61	5.28	47.89	74.00	-26.11	Vertical
2	8310.0388	42.08	6.34	48.42	74.00	-25.58	Vertical
3	9848.3560	43.69	6.51	50.20	74.00	-23.80	Vertical
4	16281.9727	37.51	15.17	52.68	74.00	-21.32	Vertical
5	16855.6070	36.75	16.26	53.01	74.00	-20.99	Vertical
6	17606.0758	36.53	18.05	54.58	74.00	-19.42	Vertical
7	17943.9305	35.60	19.46	55.06	74.00	-18.94	Vertical

AV Result:

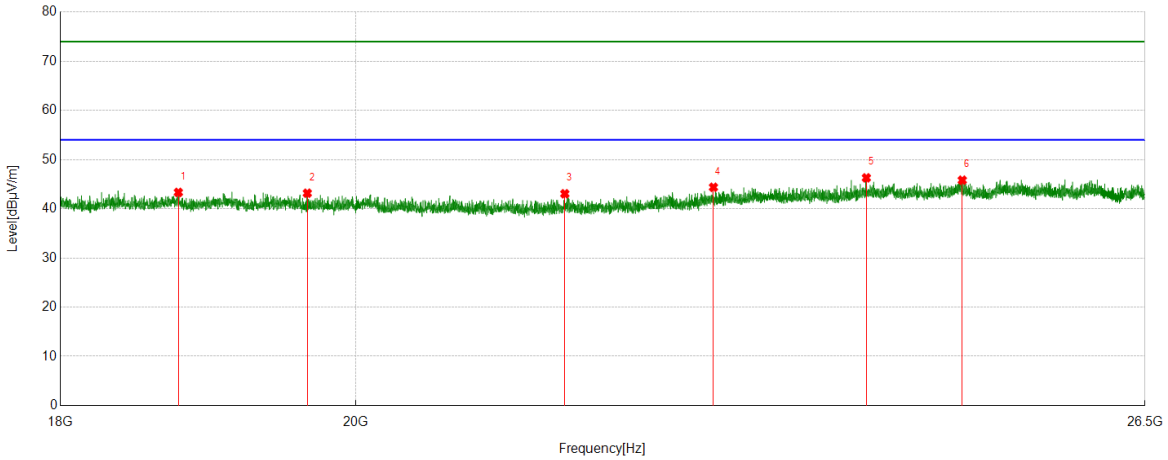
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17606.0758	26.13	18.05	44.18	54.00	-9.82	Vertical
2	17943.9305	26.50	19.46	45.96	54.00	-8.04	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) - Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Part 3: 18GHz~26.5GHz

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

Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS

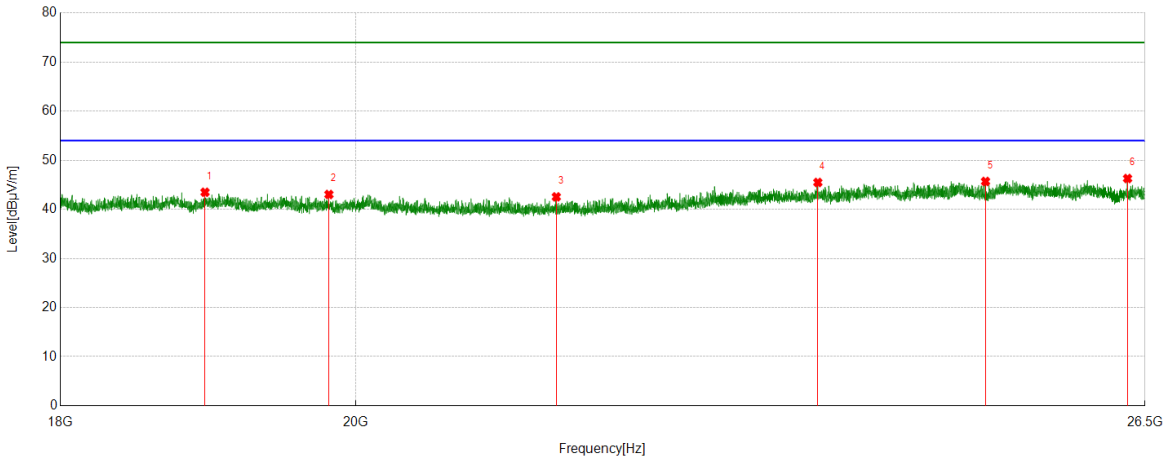


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	18774.4274	49.53	-6.20	43.33	74.00	-30.67	Horizontal
2	19657.6658	48.59	-5.42	43.17	74.00	-30.83	Horizontal
3	21548.2548	48.87	-5.82	43.05	74.00	-30.95	Horizontal
4	22720.5221	48.49	-4.12	44.37	74.00	-29.63	Horizontal
5	23993.9494	48.91	-2.62	46.29	74.00	-27.71	Horizontal
6	24828.7329	49.18	-3.37	45.81	74.00	-28.19	Horizontal

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,
Correct Factor = Antenna Factor + Loss (Cable) - Amplifier Gain.
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	MCH	Vertical	PASS



PK Result:

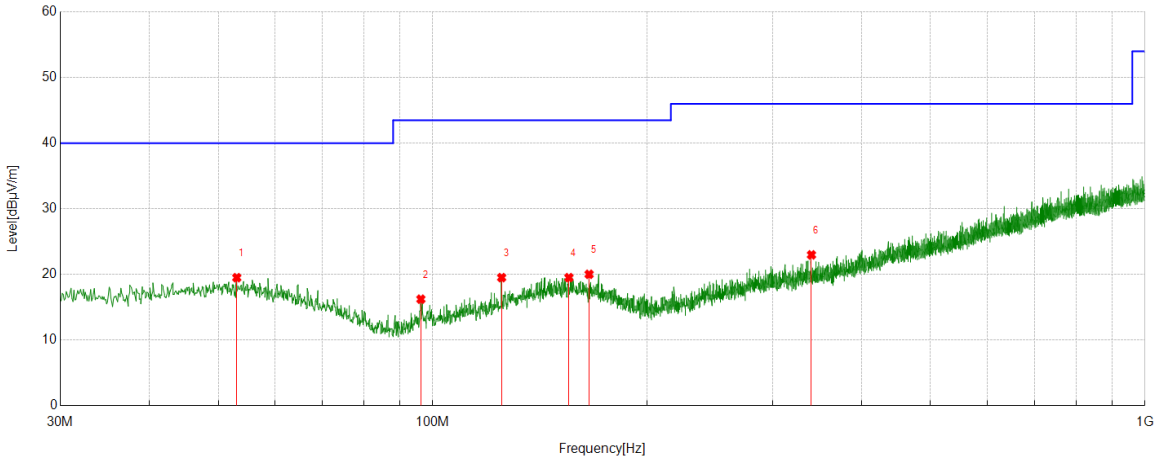
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	18953.7954	49.60	-6.12	43.48	74.00	-30.52	Vertical
2	19809.8310	48.33	-5.30	43.03	74.00	-30.97	Vertical
3	21482.7983	48.38	-5.84	42.54	74.00	-31.46	Vertical
4	23582.5083	48.58	-3.10	45.48	74.00	-28.52	Vertical
5	25035.3035	49.25	-3.57	45.68	74.00	-28.32	Vertical
6	26335.9336	48.38	-2.10	46.28	74.00	-27.72	Vertical

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,
Correct Factor = Antenna Factor + Loss (Cable) - Amplifier Gain.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Part 4: 30MHz~1GHz

SPURIOUS EMISSIONS 30MHz ~ 1GHz (WORST-CASE CONFIGURATION)

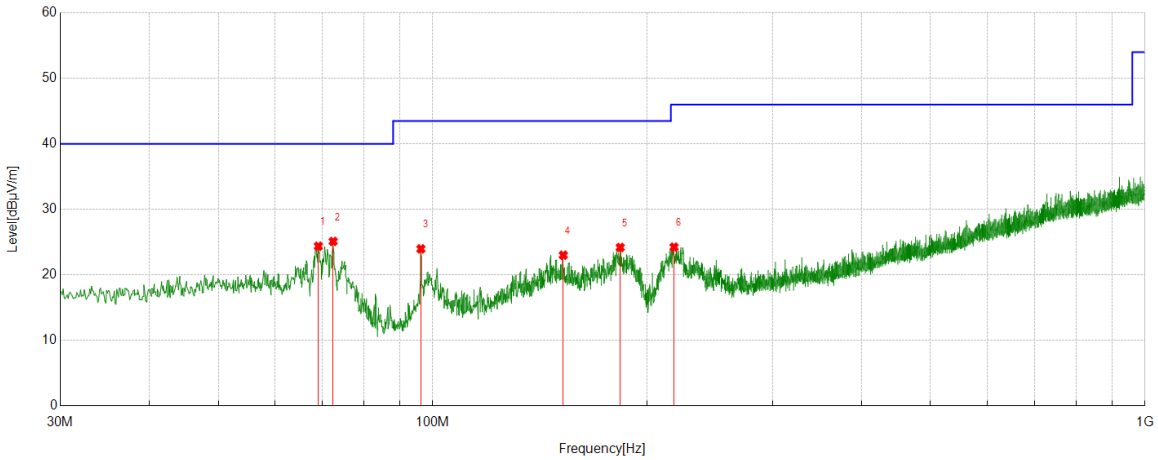
Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	53.0883	-1.13	20.62	19.49	40.00	-20.51	Peak
2	96.2576	1.10	15.11	16.21	43.50	-27.29	Peak
3	124.9725	1.08	18.42	19.50	43.50	-24.00	Peak
4	155.3365	-1.04	20.54	19.50	43.50	-24.00	Peak
5	165.8136	-0.09	20.10	20.01	43.50	-23.49	Peak
6	340.2370	0.86	22.11	22.97	46.00	-23.03	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,
Correct Factor = Antenna Factor + Loss (Cable).

Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



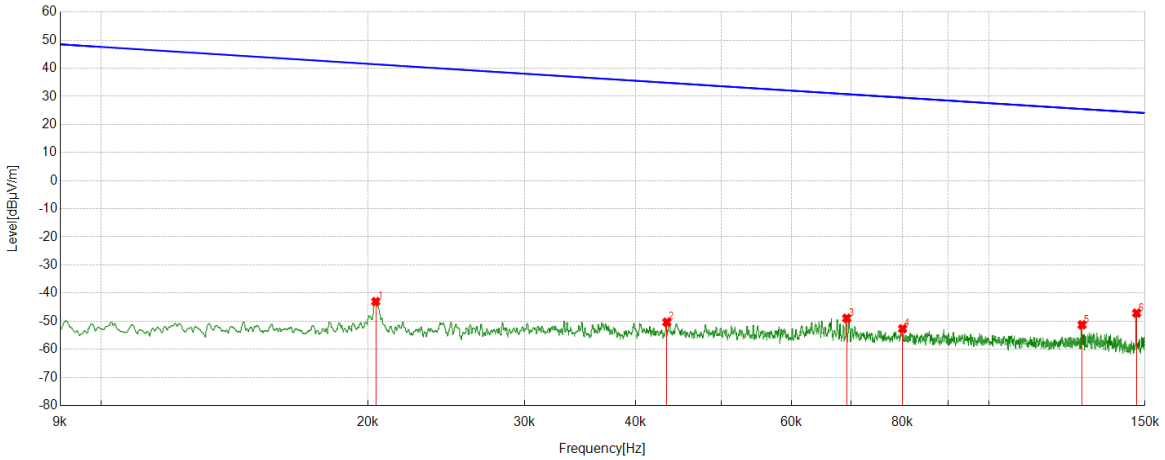
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	69.0949	6.24	18.13	24.37	40.00	-15.63	Peak
2	72.4902	7.63	17.47	25.10	40.00	-14.90	Peak
3	96.2576	8.85	15.11	23.96	43.50	-19.54	Peak
4	152.5233	2.57	20.43	23.00	43.50	-20.50	Peak
5	183.3723	5.75	18.43	24.18	43.50	-19.32	Peak
6	218.1988	6.88	17.35	24.23	46.00	-21.77	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,
Correct Factor = Antenna Factor + Loss (Cable).

Part 5: 9kHz~30MHz

SPURIOUS EMISSIONS 9kHz ~ 30MHz (WORST CASE CONFIGURATION-FACE ON)

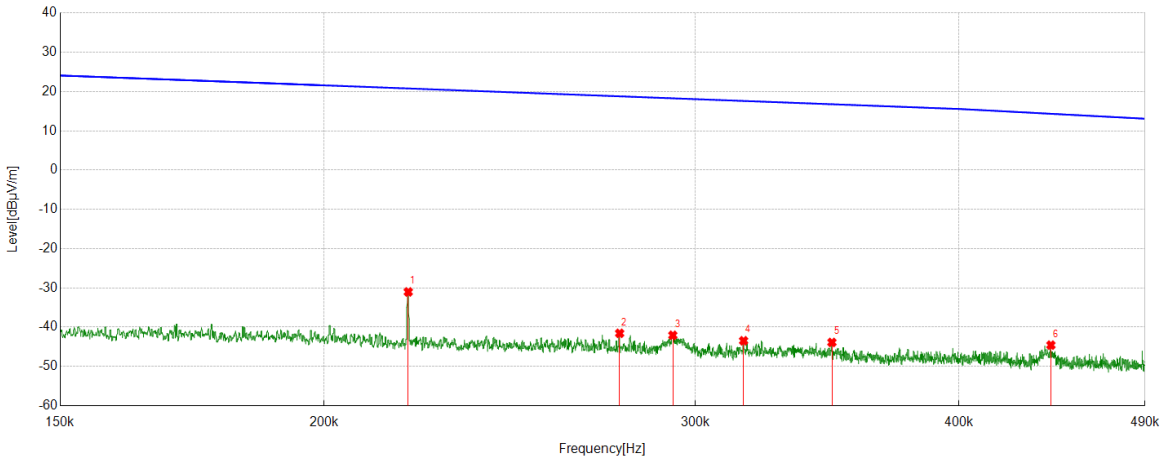
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	9kHz~150kHz	PASS



No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dBuA/m]	[dBuA/m]	[dB]	
1	0.0204	18.70	-61.74	-43.04	41.40	-94.54	-10.10	-84.44	Peak
2	0.0434	11.25	-61.60	-50.35	34.86	-101.85	-16.64	-85.21	Peak
3	0.0692	12.65	-61.61	-48.96	30.80	-100.46	-20.70	-79.76	Peak
4	0.0800	8.91	-61.61	-52.70	29.54	-104.20	-21.96	-82.24	Peak
5	0.1274	10.43	-61.72	-51.29	25.50	-102.79	-26.00	-76.79	Peak
6	0.1468	14.59	-61.73	-47.14	24.27	-98.64	-27.23	-71.41	Peak

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable) + Distance Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. 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.

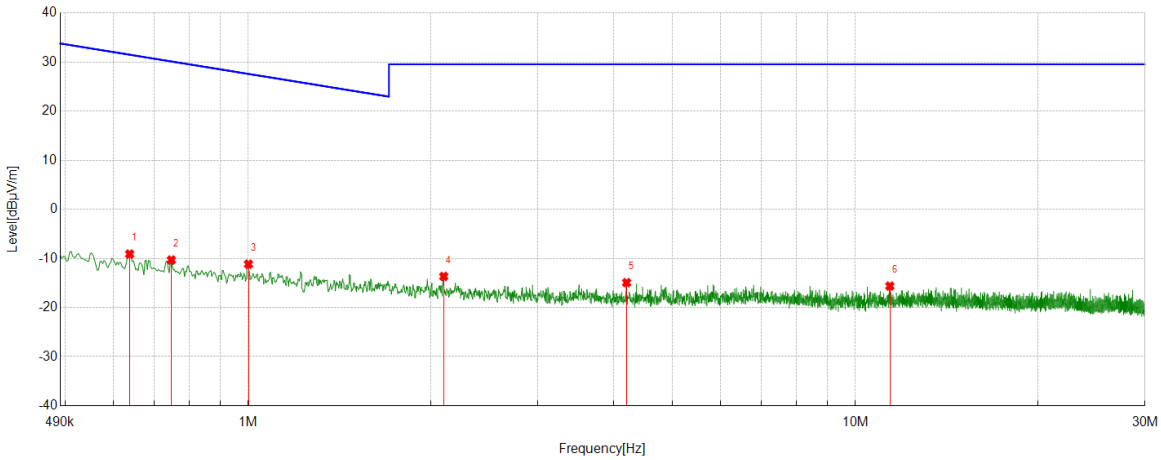
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	150kHz~490kHz	PASS



No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dBuA/m]	[dBuA/m]	[dB]	
1	0.2193	30.75	-61.78	-31.03	20.78	-82.53	-30.72	-51.81	Peak
2	0.2762	20.24	-61.81	-41.57	18.78	-93.07	-32.72	-60.35	Peak
3	0.2927	19.75	-61.82	-42.07	18.27	-93.57	-33.23	-60.34	Peak
4	0.3162	18.35	-61.82	-43.47	17.60	-94.97	-33.90	-61.07	Peak
5	0.3482	17.94	-61.83	-43.89	16.77	-95.39	-34.73	-60.66	Peak
6	0.4422	17.28	-61.86	-44.58	14.33	-96.08	-37.17	-58.91	Peak

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable) + Distance Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. 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	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dBuA/m]	[dBuA/m]	[dB]	
1	0.6376	12.77	-21.88	-9.11	31.51	-60.61	-19.99	-40.62	Peak
2	0.7468	11.54	-21.87	-10.33	30.14	-61.83	-21.36	-40.47	Peak
3	1.0006	10.70	-21.87	-11.17	27.60	-62.67	-23.90	-38.77	Peak
4	2.0985	8.15	-21.82	-13.67	29.54	-65.17	-21.96	-43.21	Peak
5	4.1998	6.83	-21.76	-14.93	29.54	-66.43	-21.96	-44.47	Peak
6	11.3980	6.00	-21.63	-15.63	29.54	-67.13	-21.96	-45.17	Peak

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable) + Distance Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. 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.

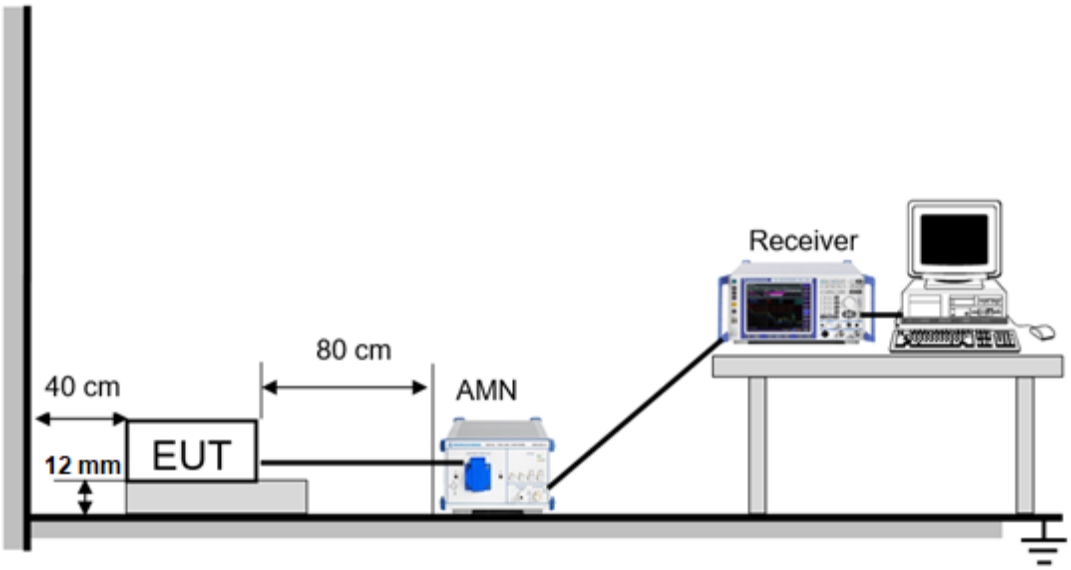
9. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a)

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



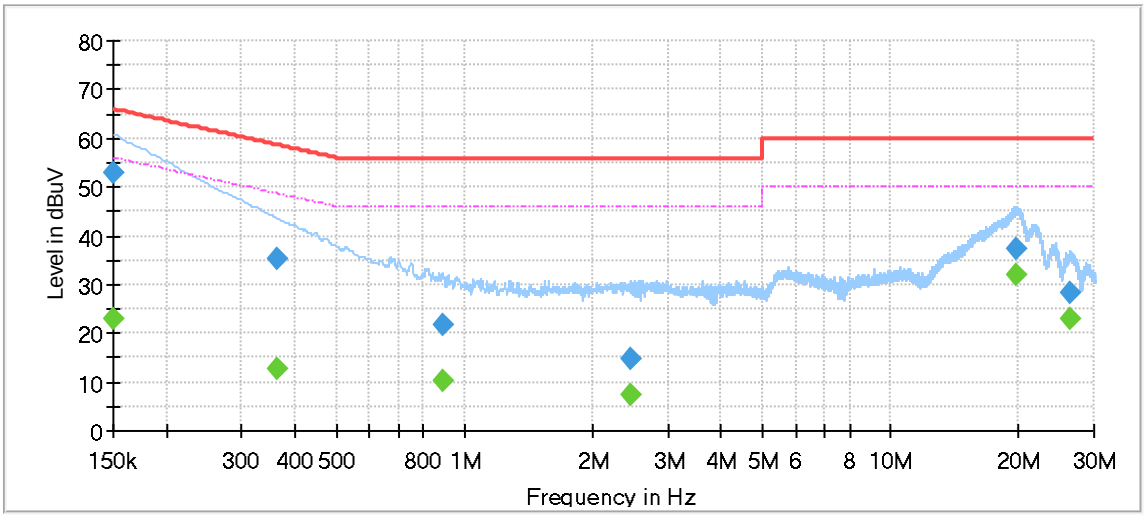
The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver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

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V

LINE L RESULTS (WORST-CASE CONFIGURATION)

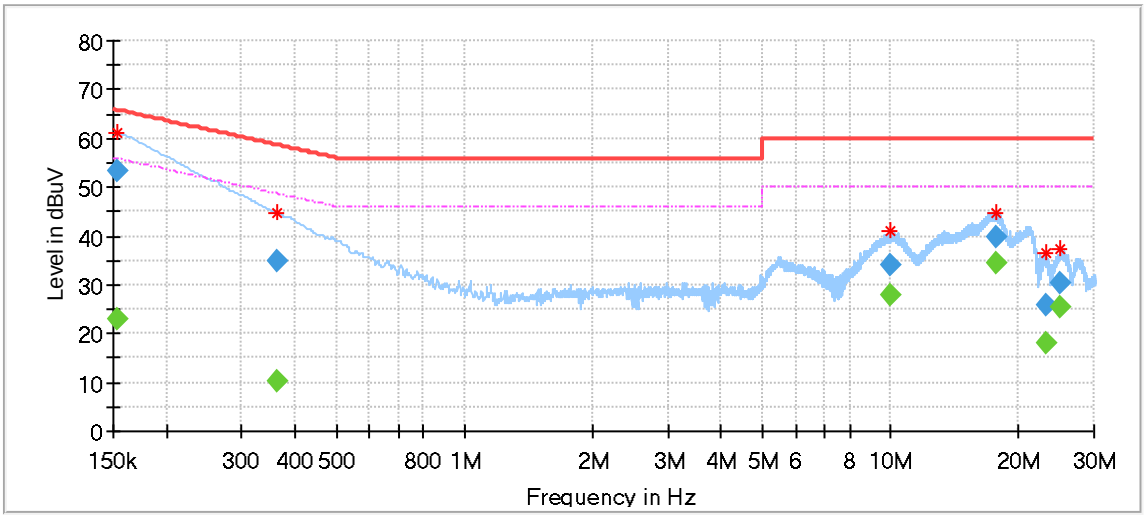


Final_Result

Frequency [MHz]	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. [dB]
0.150000	---	23.15	56.00	32.85	5000.0	9.000	L1	OFF	9.6
0.150000	52.90	---	66.00	13.10	5000.0	9.000	L1	OFF	9.6
0.363925	---	12.82	48.64	35.82	5000.0	9.000	L1	OFF	9.6
0.363925	35.24	---	58.64	23.40	5000.0	9.000	L1	OFF	9.6
0.886300	---	10.16	46.00	35.84	5000.0	9.000	L1	OFF	9.6
0.886300	21.57	---	56.00	34.43	5000.0	9.000	L1	OFF	9.6
2.460888	---	7.52	46.00	38.48	5000.0	9.000	L1	OFF	9.6
2.460888	14.88	---	56.00	41.12	5000.0	9.000	L1	OFF	9.6
19.659463	---	32.10	50.00	17.90	5000.0	9.000	L1	OFF	9.9
19.659463	37.41	---	60.00	22.59	5000.0	9.000	L1	OFF	9.9
26.340888	---	23.01	50.00	26.99	5000.0	9.000	L1	OFF	9.8
26.340888	28.30	---	60.00	31.70	5000.0	9.000	L1	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 which is the worst case, so only the worst case is included in this test report.

LINE N RESULTS (WORST-CASE CONFIGURATION)



Final_Result

Frequency [MHz]	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. [dB]
0.152488	---	22.78	55.86	33.09	5000.0	9.000	N	OFF	9.5
0.152488	53.23	---	65.86	12.63	5000.0	9.000	N	OFF	9.5
0.363925	---	10.38	48.64	38.26	5000.0	9.000	N	OFF	9.6
0.363925	35.04	---	58.64	23.60	5000.0	9.000	N	OFF	9.6
9.993038	---	27.85	50.00	22.15	5000.0	9.000	N	OFF	9.8
9.993038	34.06	---	60.00	25.94	5000.0	9.000	N	OFF	9.8
17.763988	---	34.40	50.00	15.60	5000.0	9.000	N	OFF	9.9
17.763988	39.78	---	60.00	20.22	5000.0	9.000	N	OFF	9.9
23.204150	---	18.22	50.00	31.78	5000.0	9.000	N	OFF	9.9
23.204150	25.65	---	60.00	34.35	5000.0	9.000	N	OFF	9.9
24.987688	---	25.36	50.00	24.64	5000.0	9.000	N	OFF	9.9
24.987688	30.45	---	60.00	29.55	5000.0	9.000	N	OFF	9.9

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 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 GAIN

The antenna gain of EUT is less than 6 dBi

END OF REPORT