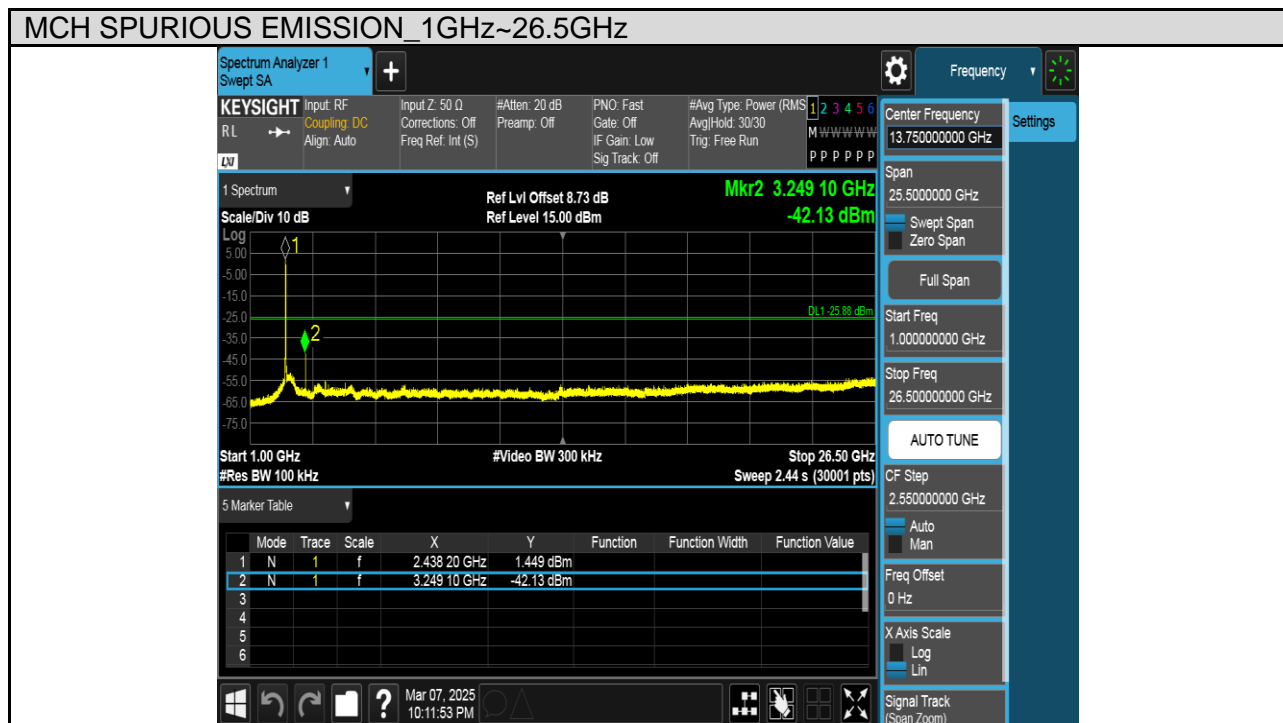
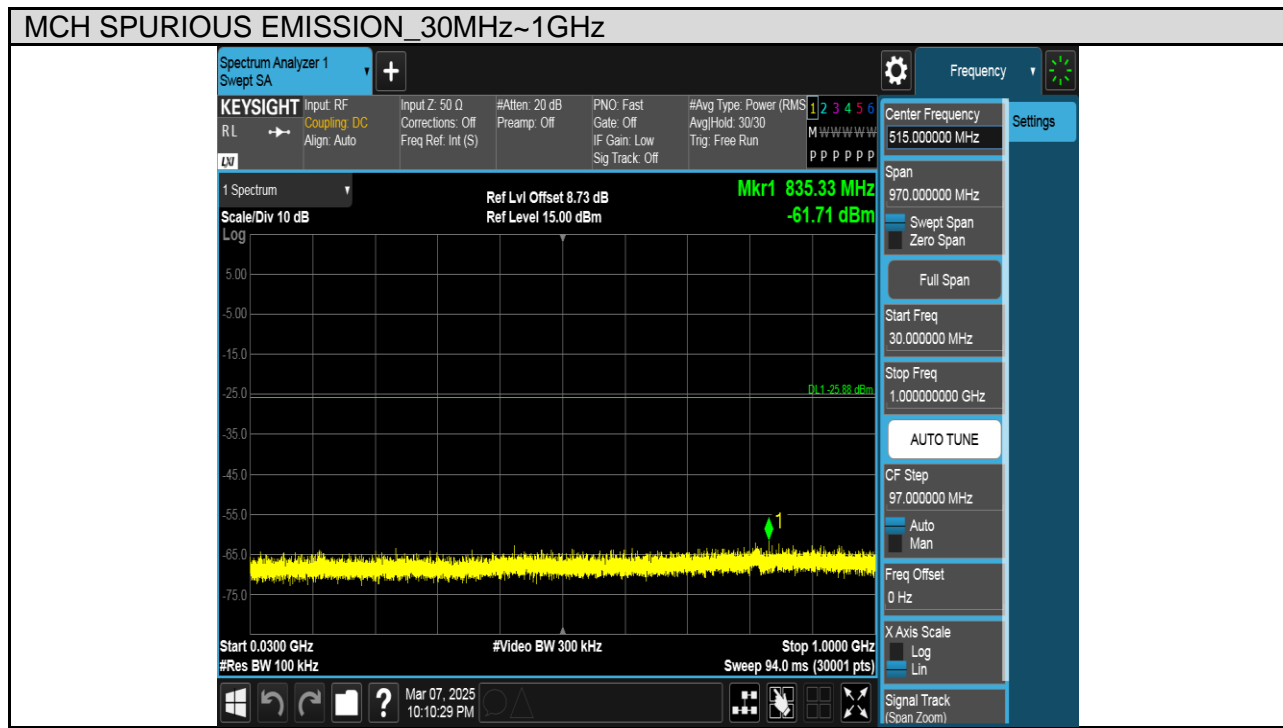
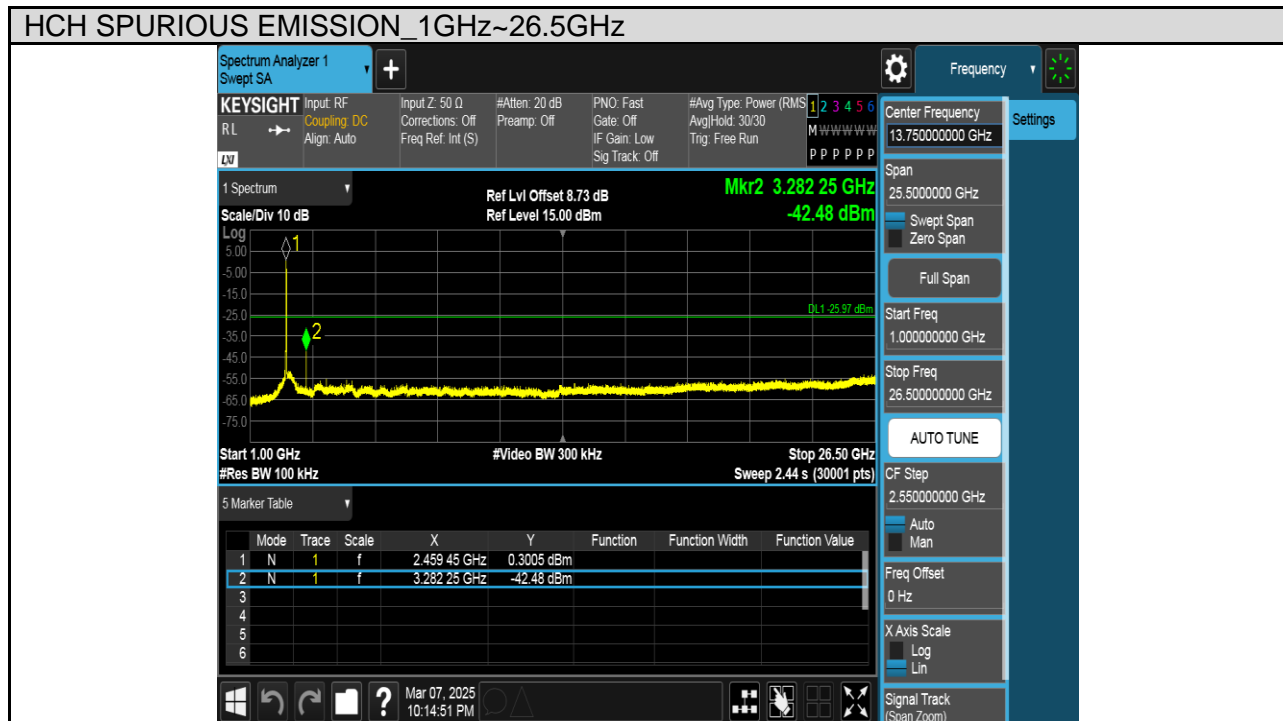
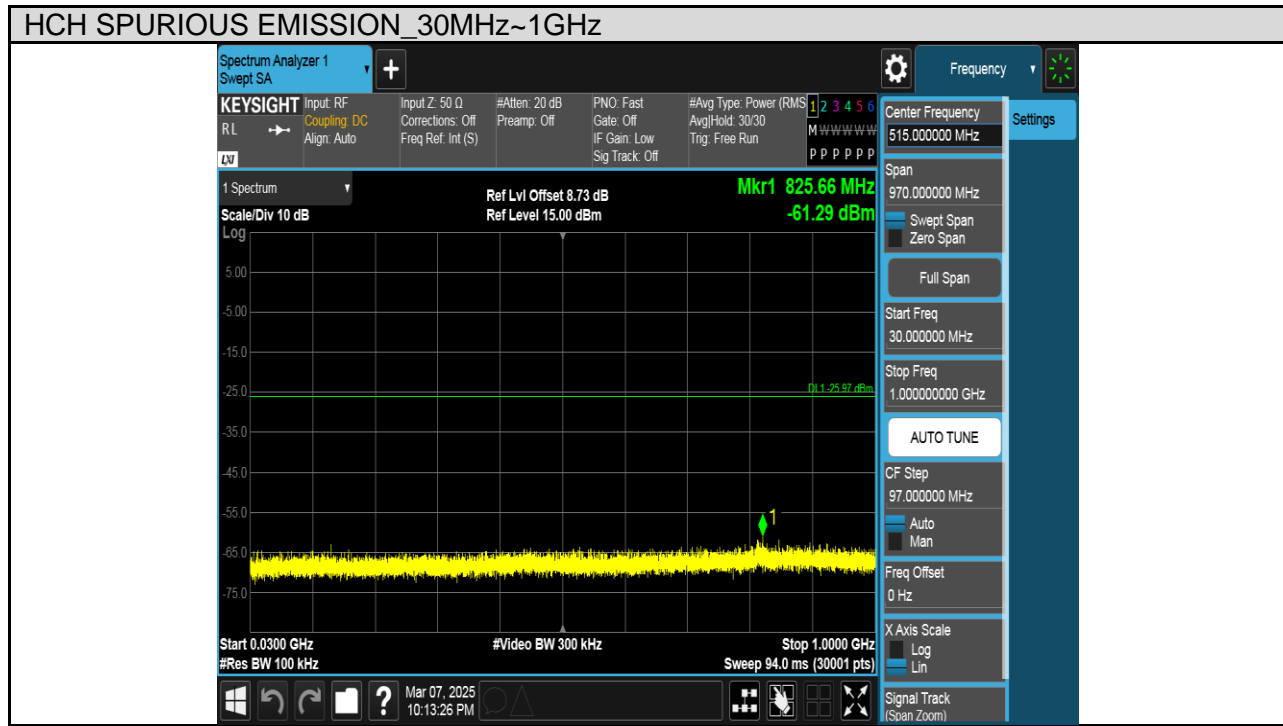


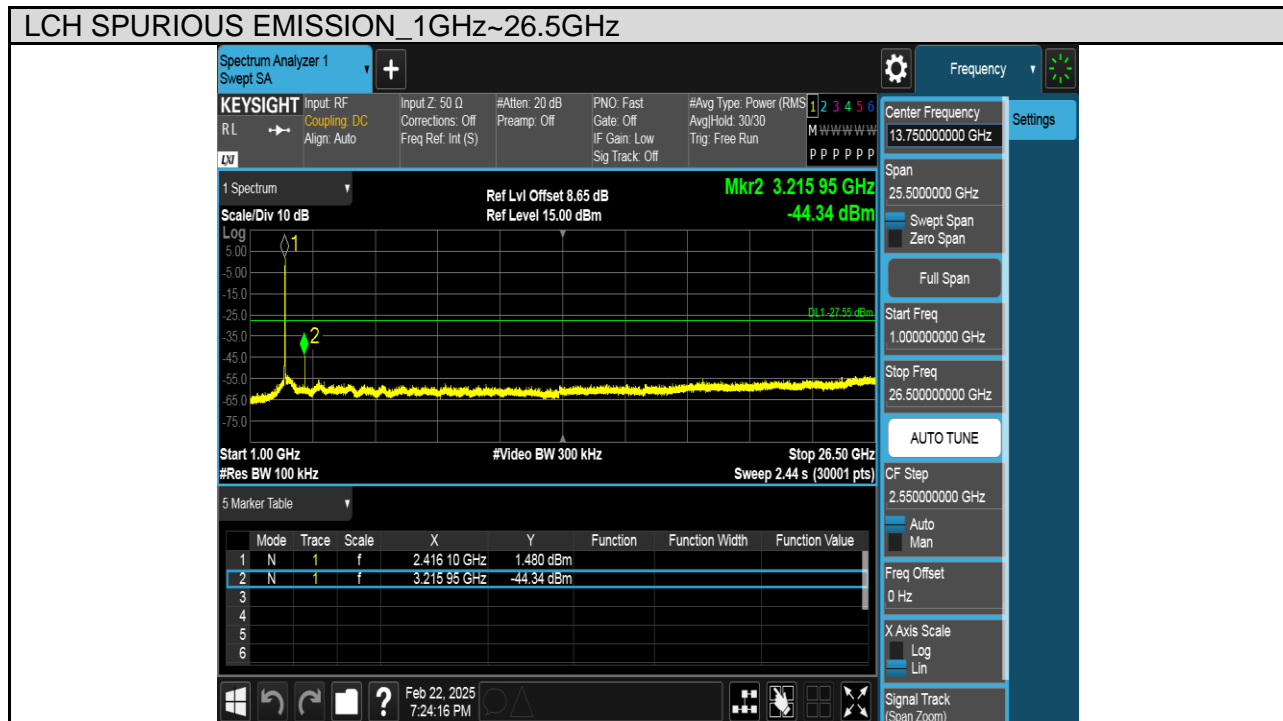
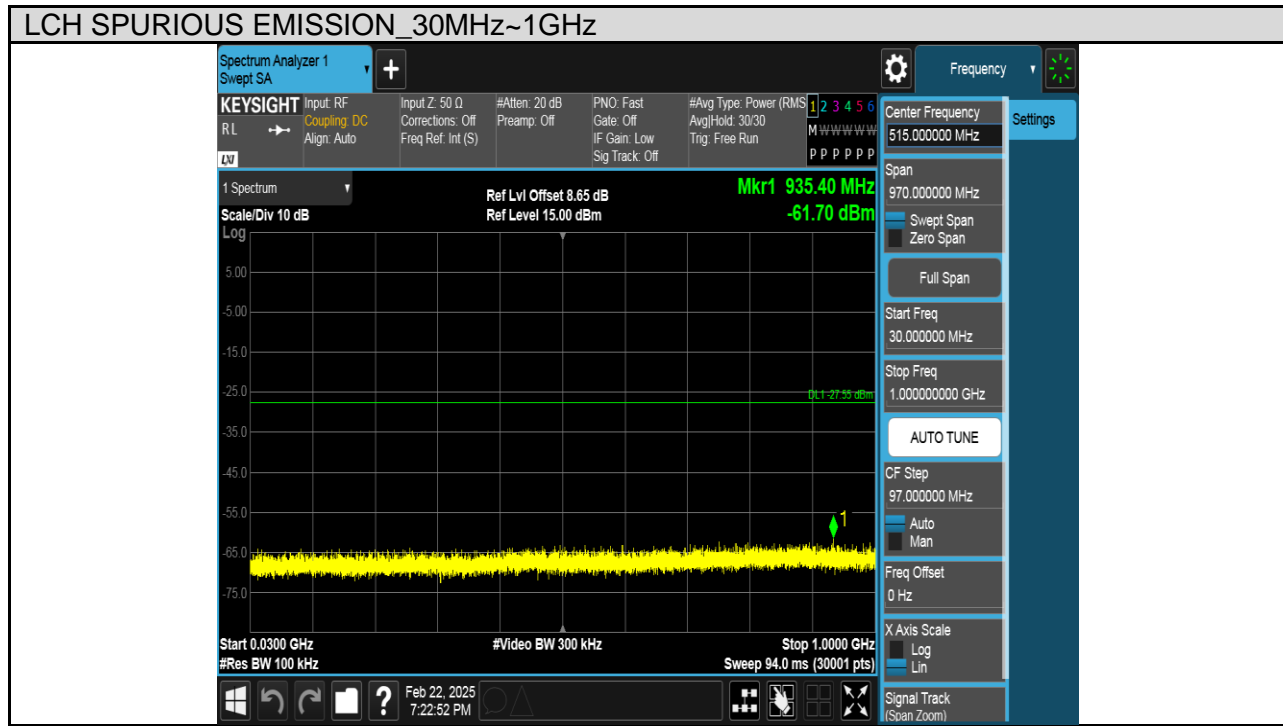
Test Mode	Channel	Verdict
11G	MCH	PASS



Test Mode	Channel	Verdict
11G	HCH	PASS

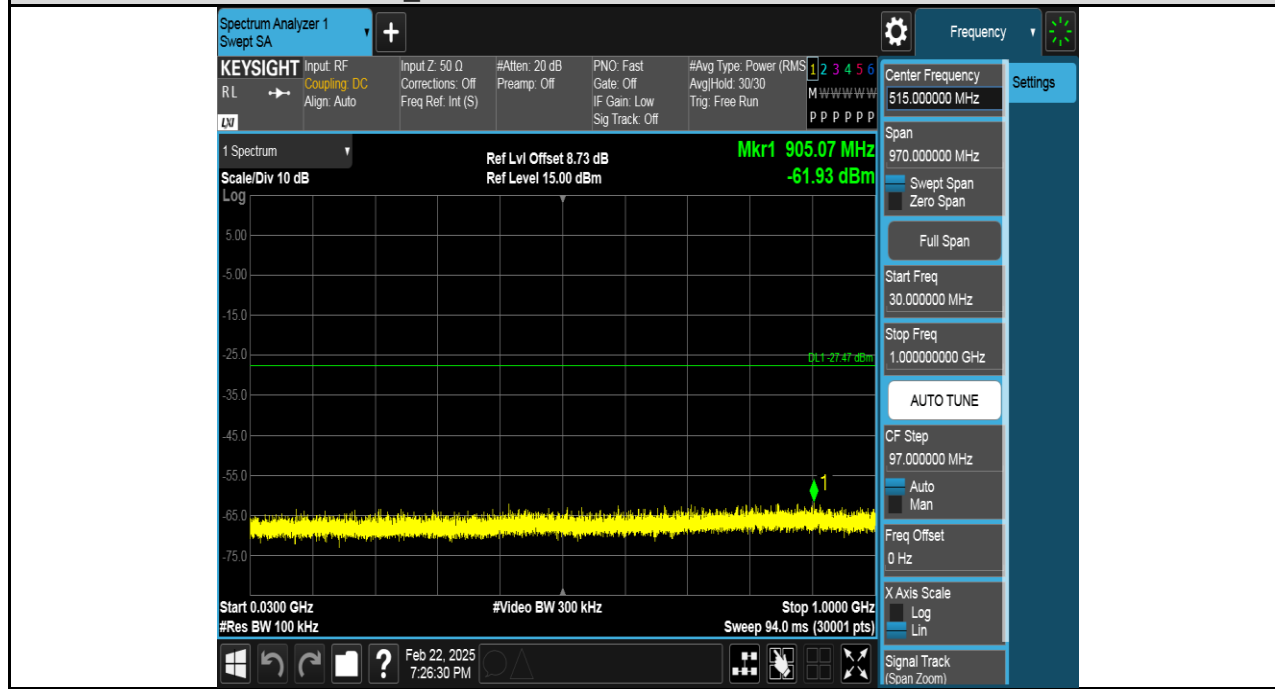


Test Mode	Channel	Verdict
11N HT20	LCH	PASS



Test Mode	Channel	Verdict
11N HT20	MCH	PASS

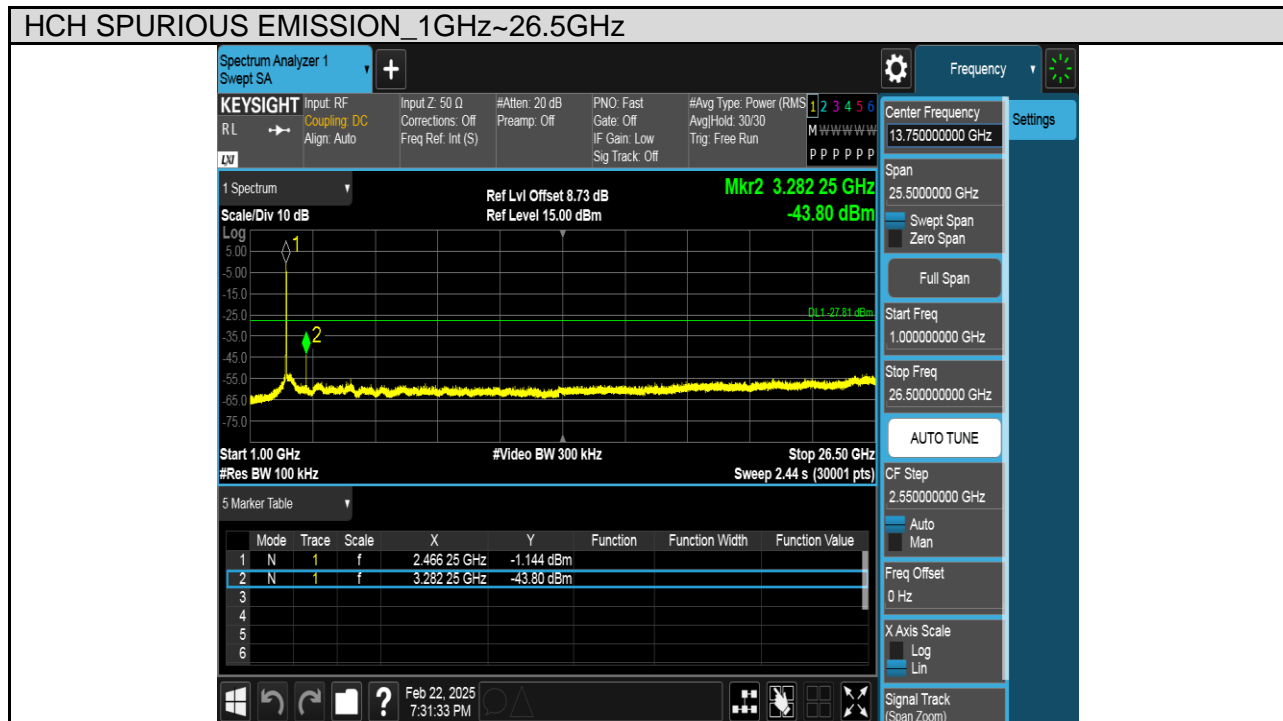
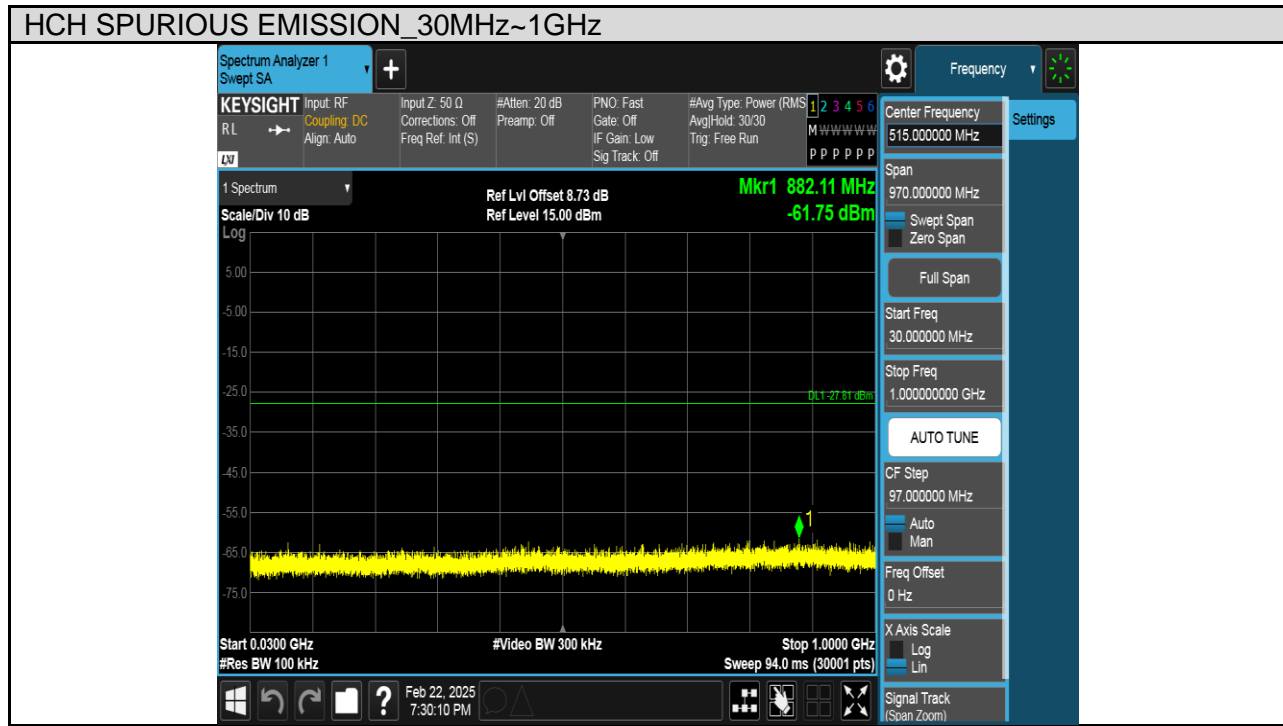
### MCH SPURIOUS EMISSION\_30MHz~1GHz



### MCH SPURIOUS EMISSION\_1GHz~26.5GHz



Test Mode	Channel	Verdict
11N HT20	HCH	PASS



## 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 ( $\mu\text{V}/\text{m}$ 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) ( $\mu\text{A}/\text{m}$ )	Measurement distance (m)
9 - 490 kHz <sup>Note 1</sup>	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
<sup>1</sup> 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	( <sup>2</sup> )
13.36-13.41			

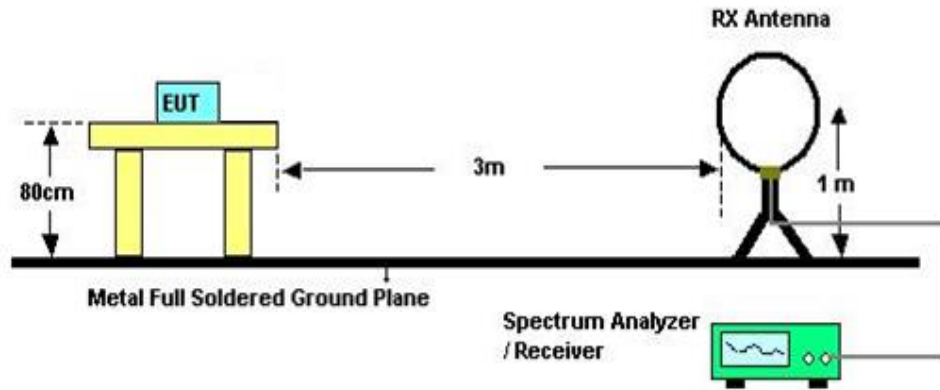
Note: <sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

<sup>2</sup>Above 38.6c



## TEST SETUP AND PROCEDURE

Below 30MHz

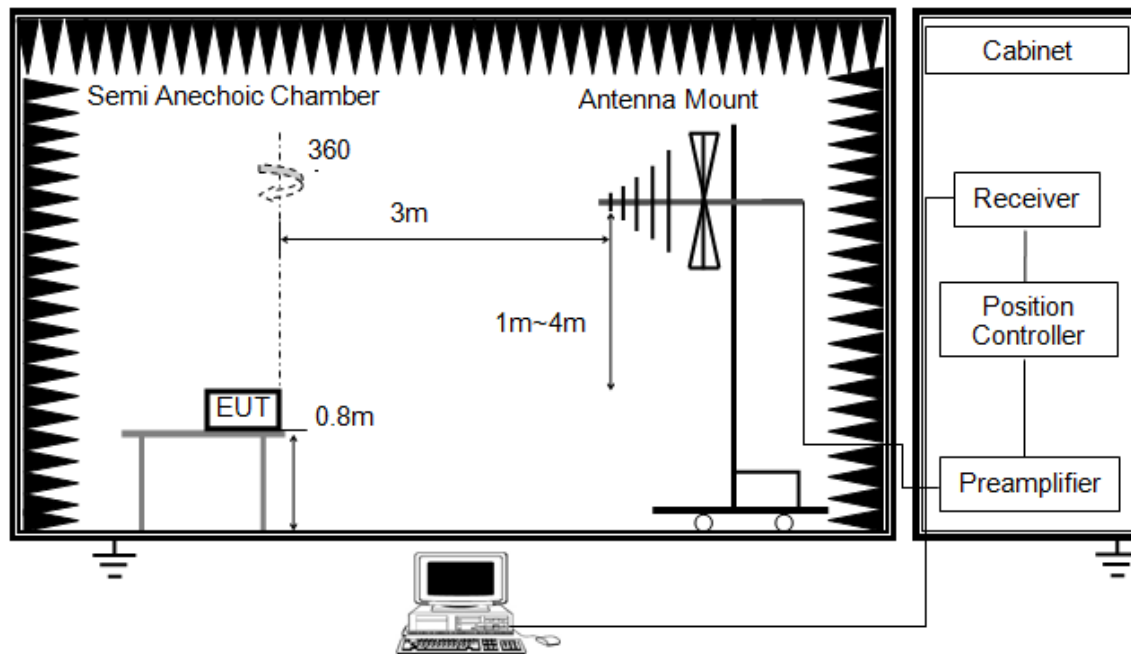


The setting of the spectrum analyser

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  $\Omega$ . 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

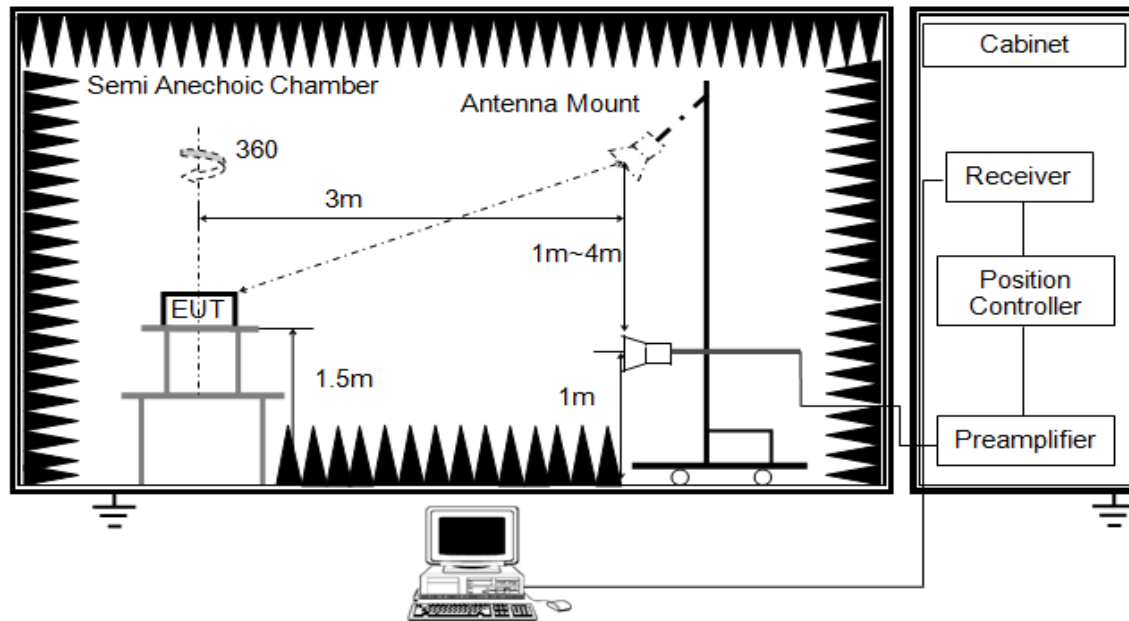


The setting of the spectrum analyser

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

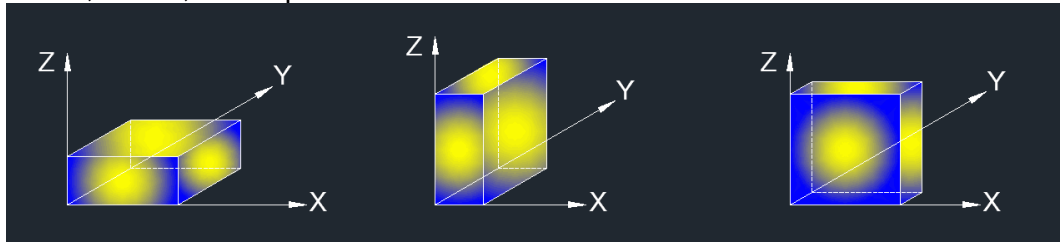


The setting of the spectrum analyser

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  $\geq 1/T$  but not less than the setting list in section 7.1 when use peak detector, max hold to be run for at least  $[50 \times (1/\text{Duty Cycle})]$  traces for average measurements. For the Duty Cycle need to refer the results in section 7.1.
7. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)

X axis, Y axis, Z axis positions:



Note: For all radiated test, EUT in each of 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

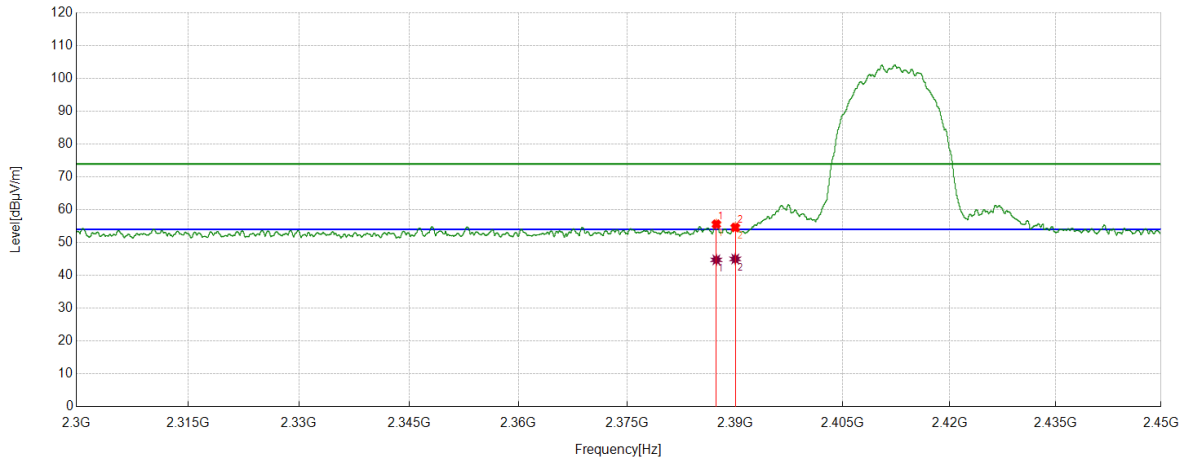
## 8.3. RESTRICTED BANDEDGE

### TEST RESULT TABLE

Test Mode	Channel	P <sub>uw</sub> (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:

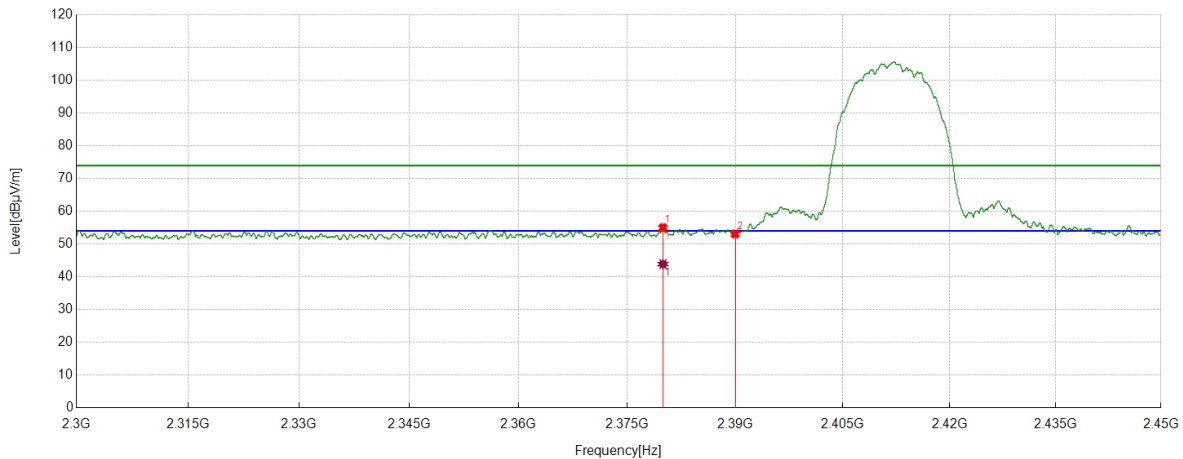
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2387.3672	42.07	13.52	55.59	74.00	-18.41	Horizontal
2	2390.0000	41.13	13.48	54.61	74.00	-19.39	Horizontal

#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2387.3672	31.20	13.52	44.72	54.00	-9.28	Horizontal
2	2390.0000	31.52	13.48	45.00	54.00	-9.00	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:

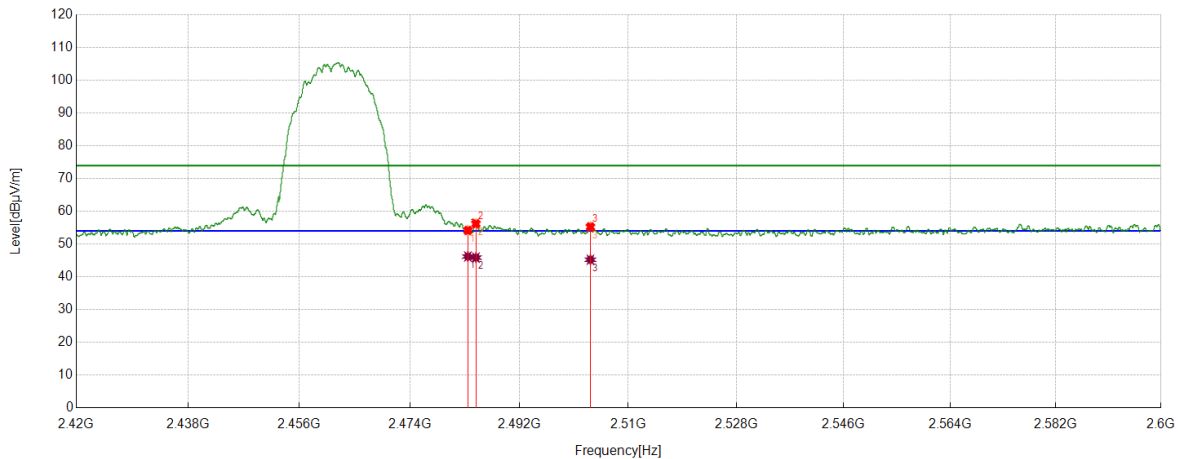
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2379.96	41.36	13.60	54.96	74.00	-19.04	Vertical
2	2390.0000	39.63	13.48	53.11	74.00	-20.89	Vertical

#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2379.96	30.27	13.60	43.87	54.00	-10.13	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 [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	2483.5000	39.91	14.25	54.16	74.00	-19.84	Horizontal
2	2484.8306	41.93	14.28	56.21	74.00	-17.79	Horizontal
3	2503.7105	40.91	14.35	55.26	74.00	-18.74	Horizontal

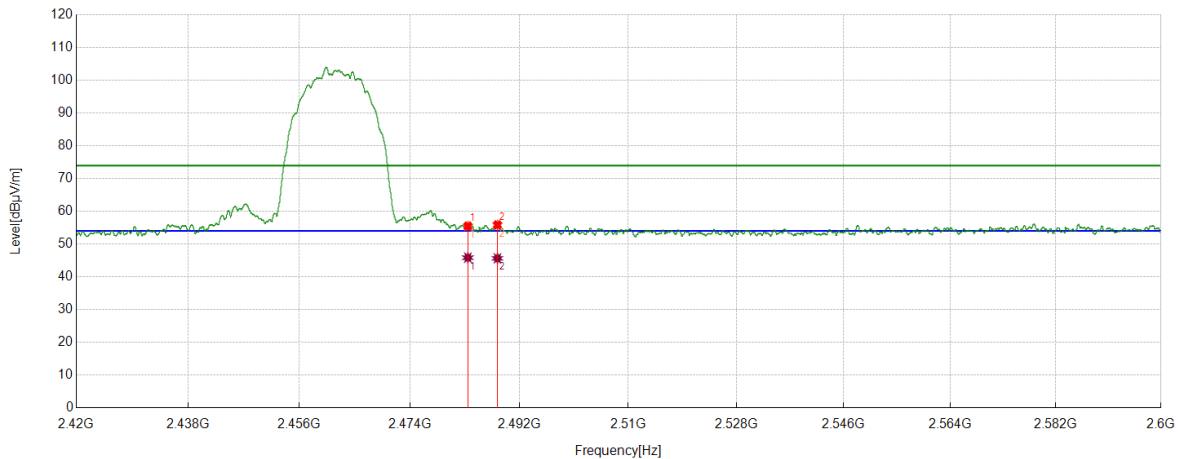
#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	2483.5000	31.95	14.25	46.20	54.00	-7.80	Horizontal
2	2484.8306	31.58	14.28	45.86	54.00	-8.14	Horizontal
3	2503.7105	30.87	14.35	45.22	54.00	-8.78	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
11B	HCH	Vertical	PASS



#### PK Result:

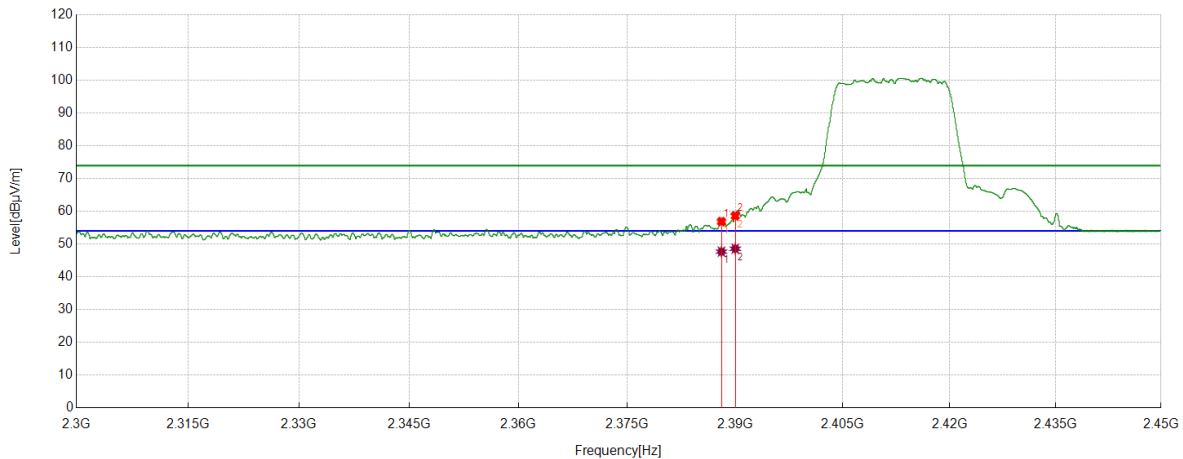
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	2483.5000	41.22	14.25	55.47	74.00	-18.53	Vertical
2	2488.3635	41.50	14.34	55.84	74.00	-18.16	Vertical

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	2483.5000	31.59	14.25	45.84	54.00	-8.16	Vertical
2	2488.3635	31.29	14.34	45.63	54.00	-8.37	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:

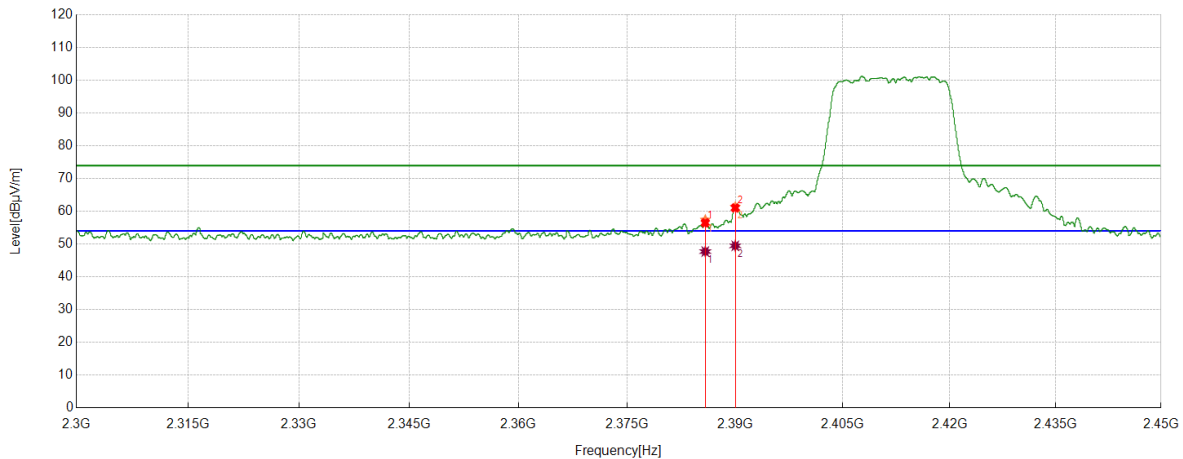
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2388.0798	43.39	13.50	56.89	74.00	-17.11	Horizontal
2	2390.0000	45.15	13.48	58.63	74.00	-15.37	Horizontal

#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2388.0798	34.18	13.50	47.68	54.00	-6.32	Horizontal
2	2390	35.09	13.48	48.57	54.00	-5.43	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:

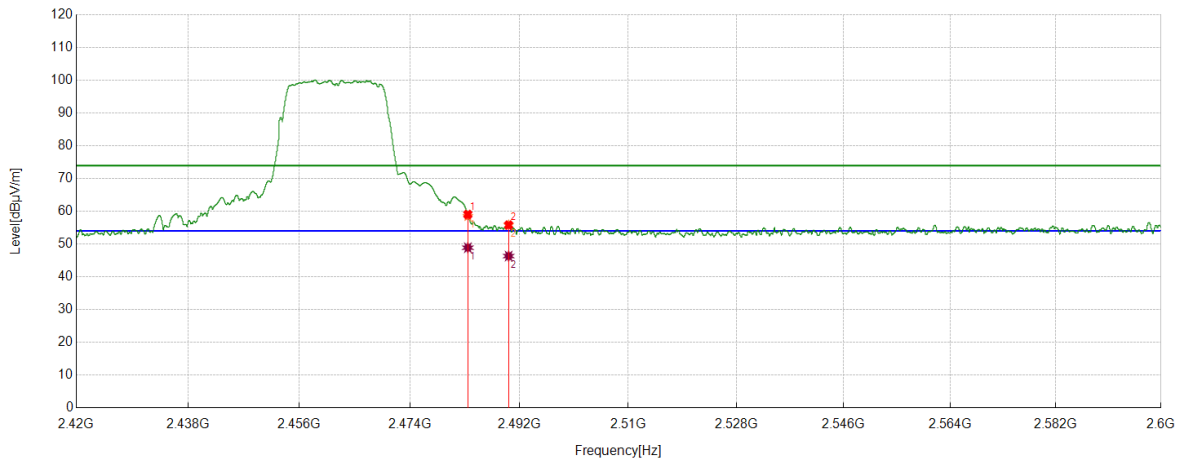
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2385.8295	42.94	13.53	56.47	74.00	-17.53	Vertical
2	2390.0000	47.56	13.48	61.04	74.00	-12.96	Vertical

#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2385.8295	34.18	13.53	47.71	54.00	-6.29	Vertical
2	2390	35.99	13.48	49.47	54.00	-4.53	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:

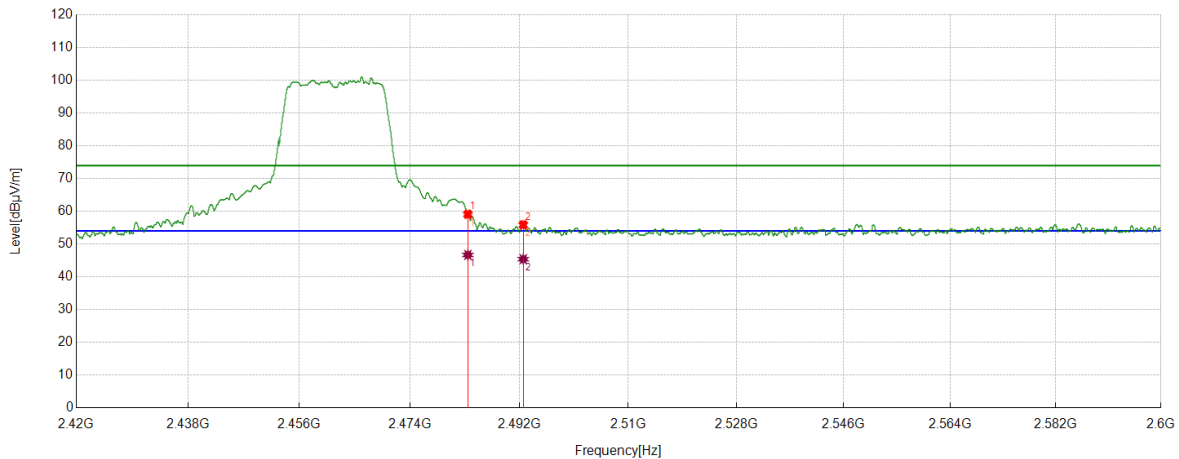
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	44.80	14.25	59.05	74.00	-14.95	Horizontal
2	2490.2088	41.43	14.37	55.80	74.00	-18.20	Horizontal

#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	34.64	14.25	48.89	54.00	-5.11	Horizontal
2	2490.2088	31.96	14.37	46.33	54.00	-7.67	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:

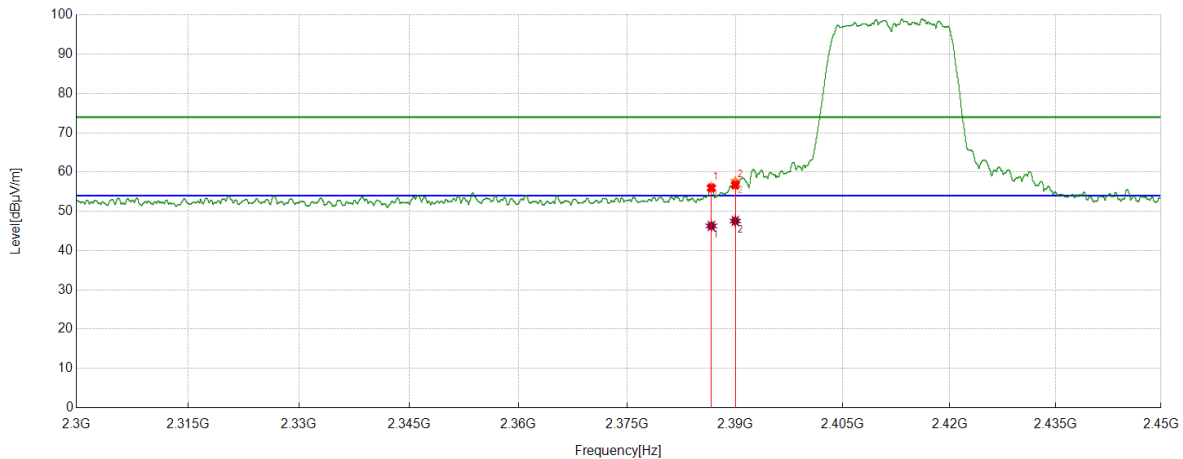
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	44.89	14.25	59.14	74.00	-14.86	Vertical
2	2492.6166	41.53	14.35	55.88	74.00	-18.12	Vertical

#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	32.43	14.25	46.68	54.00	-7.32	Vertical
2	2492.6166	31.03	14.35	45.38	54.00	-8.62	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:

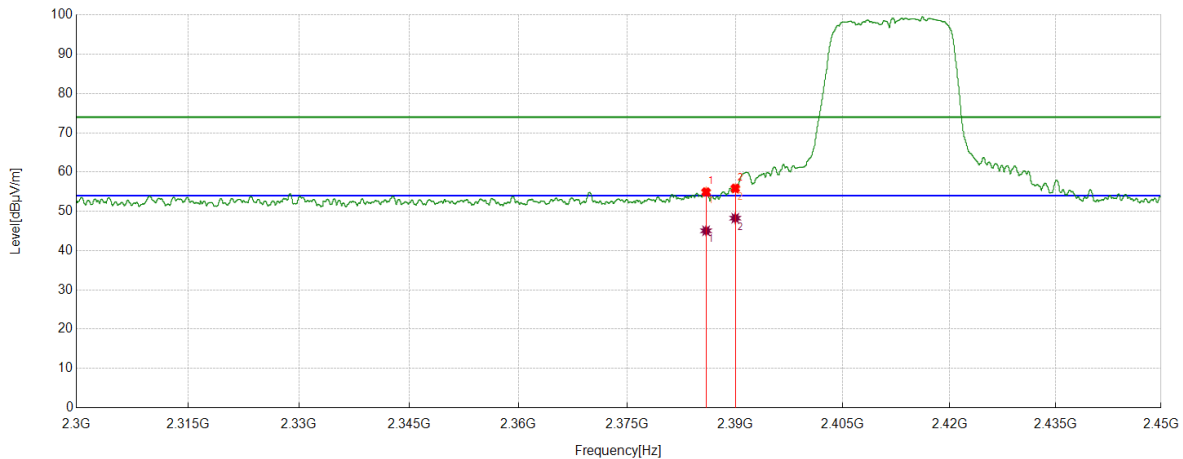
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2386.6733	42.44	13.52	55.96	74.00	-18.04	Horizontal
2	2390.0000	43.21	13.48	56.69	74.00	-17.31	Horizontal

#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2386.6733	32.76	13.52	46.28	54.00	-7.72	Horizontal
2	2390	34.06	13.48	47.54	54.00	-6.46	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:

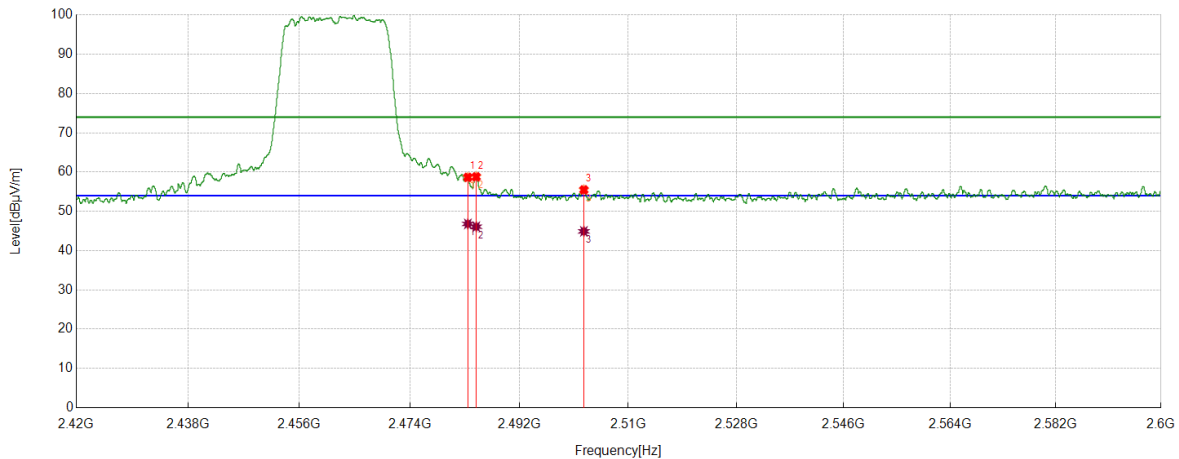
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2385.942	41.38	13.53	54.91	74.00	-19.09	Vertical
2	2390.0000	42.37	13.48	55.85	74.00	-18.15	Vertical

#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2385.942	31.52	13.53	45.05	54.00	-8.95	Vertical
2	2390	34.77	13.48	48.25	54.00	-5.75	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 [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	2483.5000	44.41	14.25	58.66	74.00	-15.34	Horizontal
2	2484.8756	44.51	14.28	58.79	74.00	-15.21	Horizontal
3	2502.6303	41.14	14.33	55.47	74.00	-18.53	Horizontal

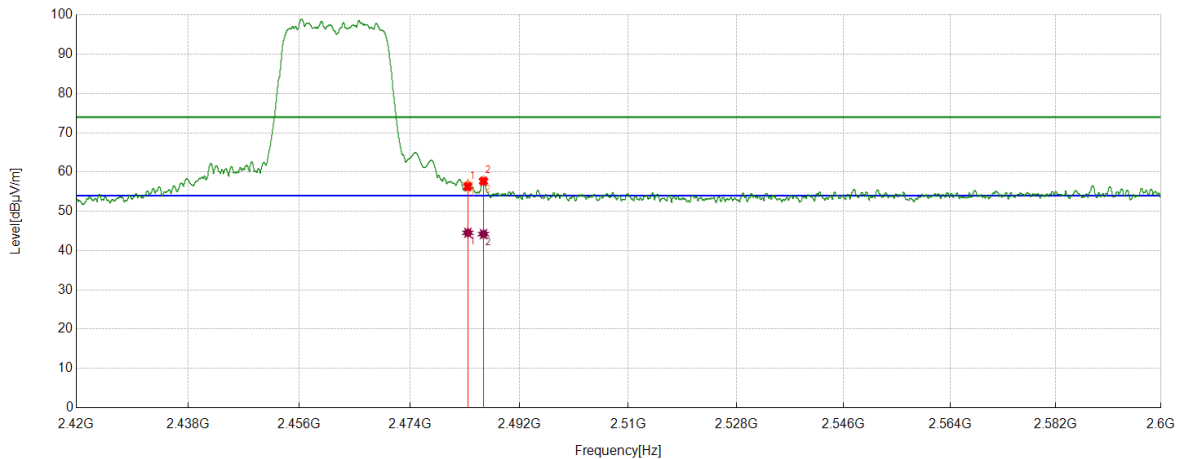
#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	2483.5	32.55	14.25	46.80	54.00	-7.20	Horizontal
2	2484.8756	31.81	14.28	46.09	54.00	-7.91	Horizontal
3	2502.6303	30.57	14.33	44.90	54.00	-9.10	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	42.02	14.25	56.27	74.00	-17.73	Vertical
2	2486.0683	43.39	14.30	57.69	74.00	-16.31	Vertical

#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	30.29	14.25	44.54	54.00	-9.46	Vertical
2	2486.0683	29.91	14.30	44.21	54.00	-9.79	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

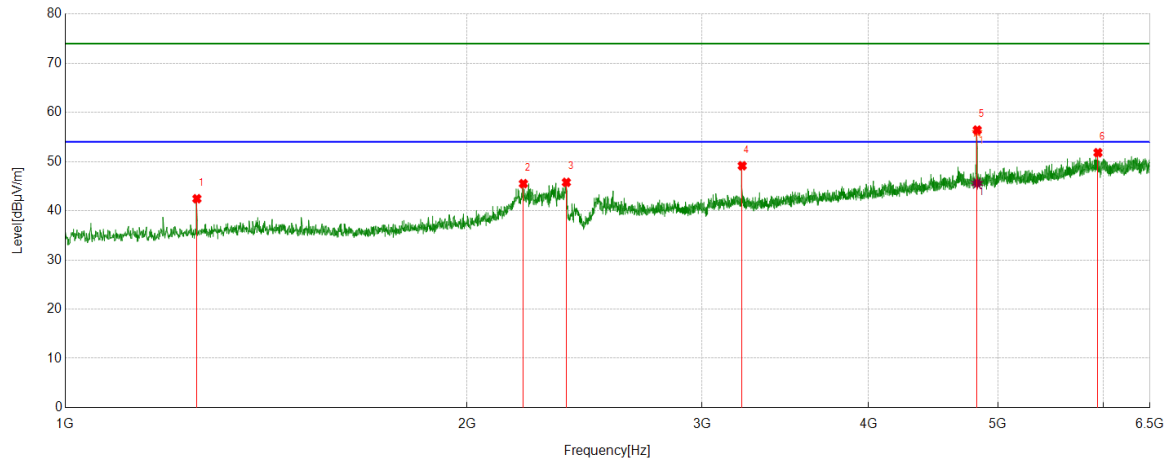
Remark:

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:

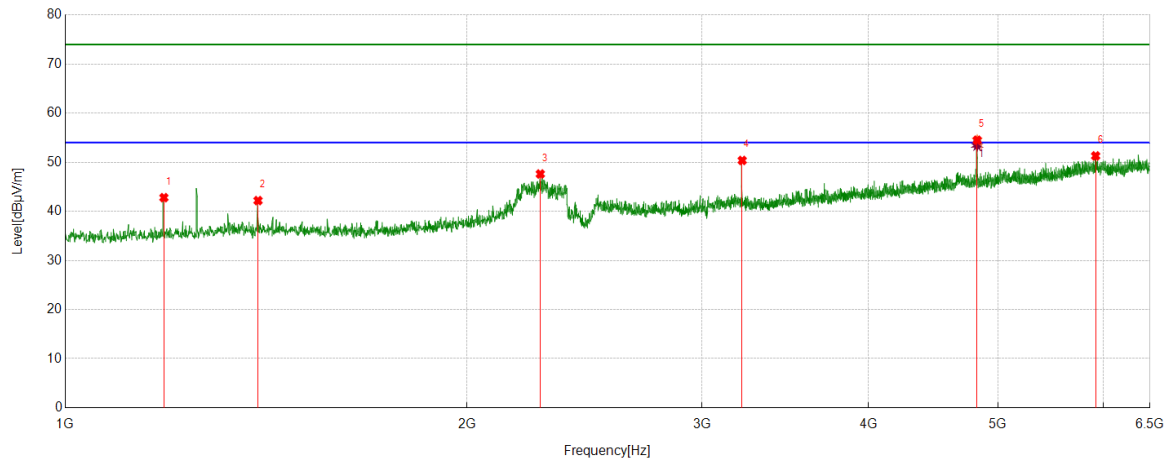
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	1255.0944	43.31	-0.86	42.45	74.00	-31.55	Horizontal
2	2204.6506	41.69	3.82	45.51	74.00	-28.49	Horizontal
3	2374.4843	42.01	3.77	45.78	74.00	-28.22	Horizontal
4	3216.0895	42.62	6.53	49.15	74.00	-24.85	Horizontal
5	4823.9261	43.57	12.42	55.99	74.00	-18.01	Horizontal
6	5941.6802	35.78	16.03	51.81	74.00	-22.19	Horizontal

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	4823.9261	33.15	12.42	45.57	54.00	-8.43	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:

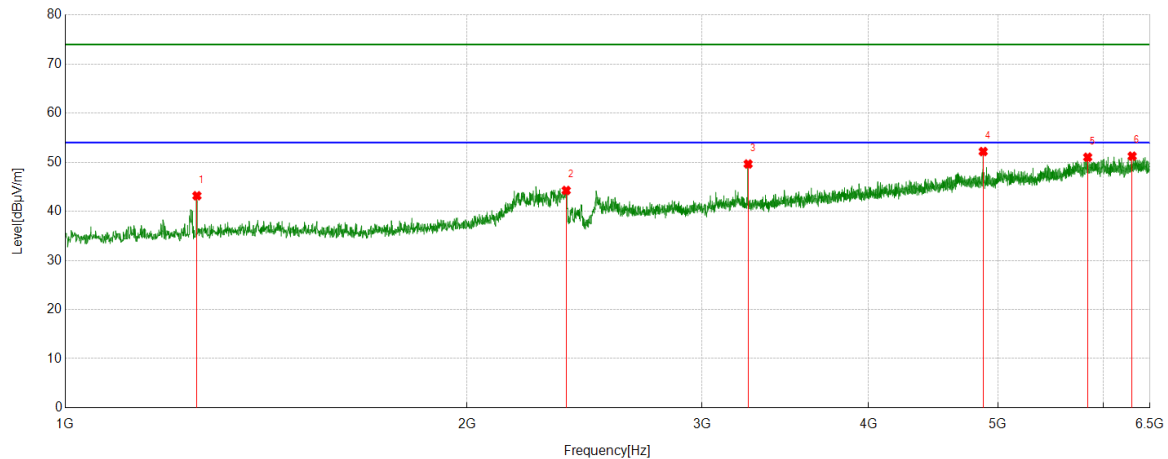
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	1185.6482	44.00	-1.21	42.79	74.00	-31.21	Vertical
2	1394.6743	42.62	-0.43	42.19	74.00	-31.81	Vertical
3	2269.9712	43.87	3.74	47.61	74.00	-26.39	Vertical
4	3216.0895	43.84	6.53	50.37	74.00	-23.63	Vertical
5	4823.9333	42.14	12.42	54.56	74.00	-19.44	Vertical
6	5918.3023	35.08	16.21	51.29	74.00	-22.71	Vertical

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	4823.9333	41.00	12.42	53.42	54.00	-0.58	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

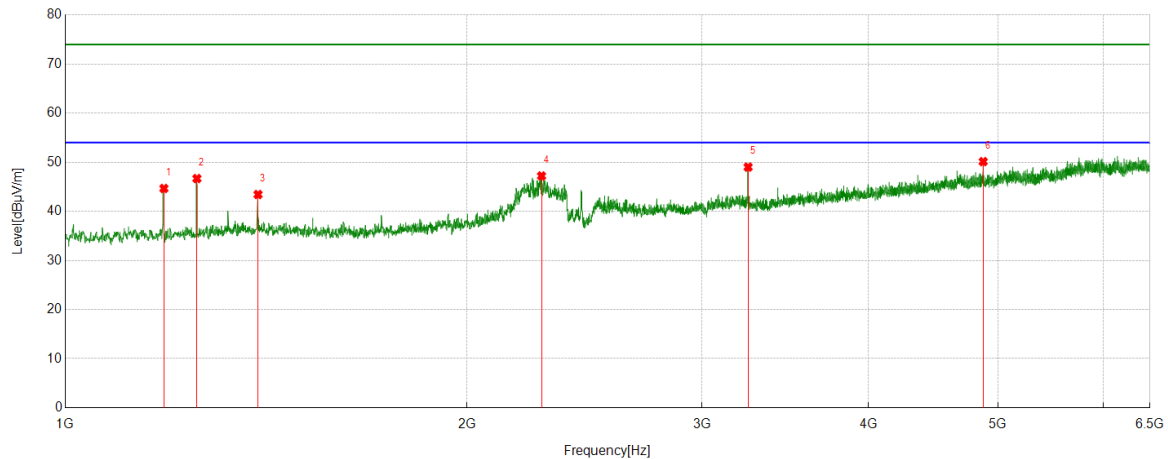


#### PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	44.03	-0.86	43.17	74.00	-30.83	Horizontal
2	2373.7967	40.47	3.78	44.25	74.00	-29.75	Horizontal
3	3249.0936	43.35	6.29	49.64	74.00	-24.36	Horizontal
4	4874.5468	40.28	11.90	52.18	74.00	-21.82	Horizontal
5	5837.1671	34.93	16.09	51.02	74.00	-22.98	Horizontal
6	6303.3504	34.34	16.90	51.24	74.00	-22.76	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

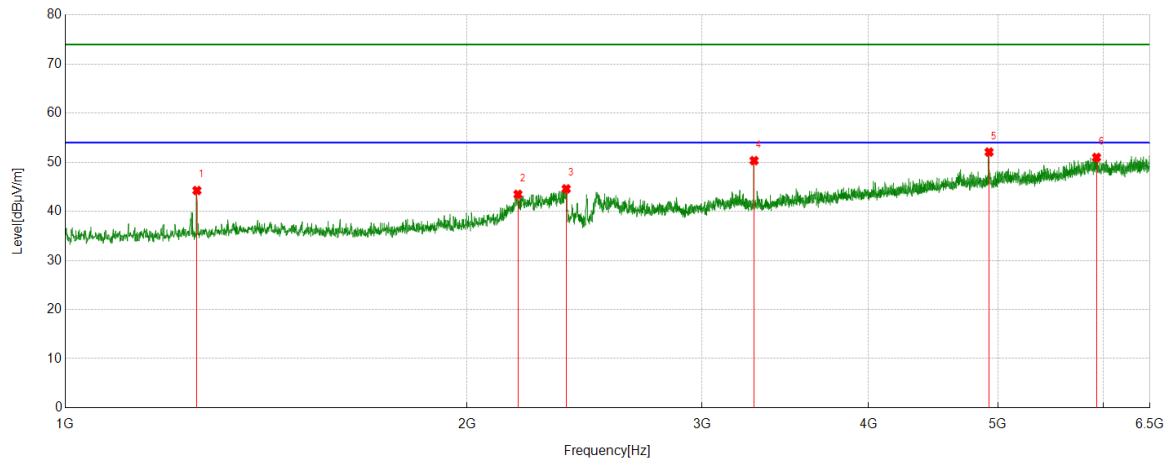


#### PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1185.6482	45.87	-1.21	44.66	74.00	-29.34	Vertical
2	1255.0944	47.54	-0.86	46.68	74.00	-27.32	Vertical
3	1394.6743	43.86	-0.43	43.43	74.00	-30.57	Vertical
4	2274.7843	43.61	3.60	47.21	74.00	-26.79	Vertical
5	3249.0936	42.72	6.29	49.01	74.00	-24.99	Vertical
6	4874.5468	38.23	11.90	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
11B	HCH	Horizontal	PASS

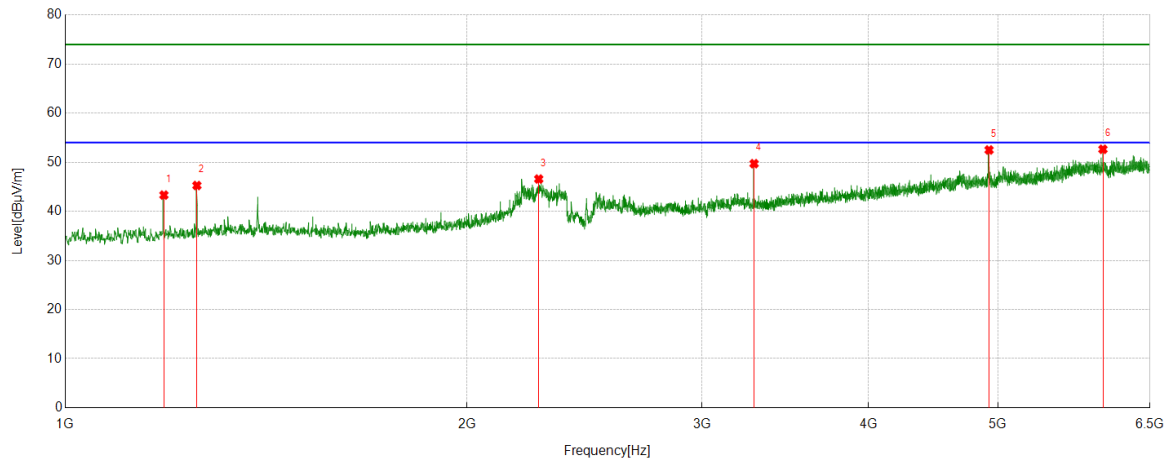


#### PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	45.10	-0.86	44.24	74.00	-29.76	Horizontal
2	2184.023	39.67	3.79	43.46	74.00	-30.54	Horizontal
3	2373.7967	40.80	3.78	44.58	74.00	-29.42	Horizontal
4	3282.7853	44.23	6.10	50.33	74.00	-23.67	Horizontal
5	4924.053	39.83	12.24	52.07	74.00	-21.93	Horizontal
6	5927.2409	34.53	16.45	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
11B	HCH	Vertical	PASS



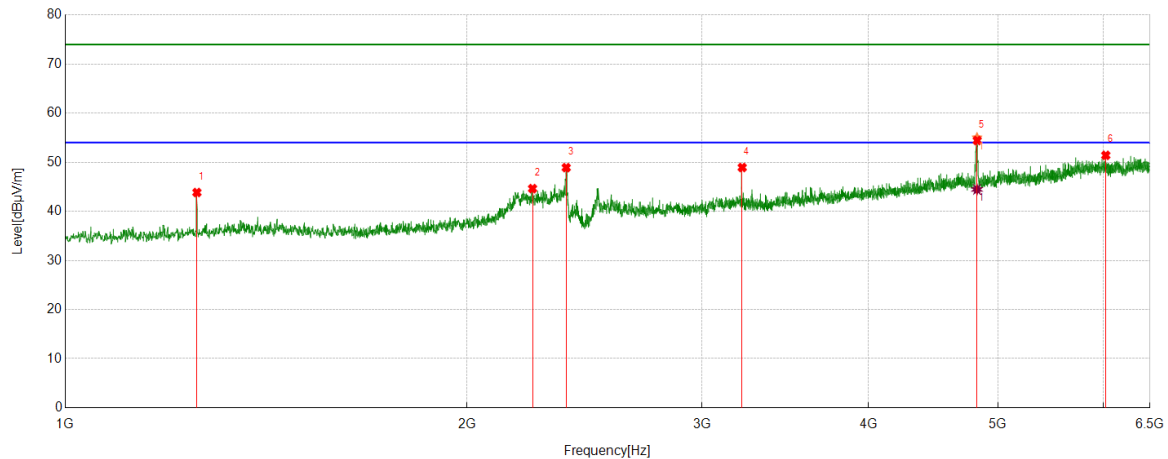
#### PK Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	1185.6482	44.52	-1.21	43.31	74.00	-30.69	Vertical
2	1255.0944	46.12	-0.86	45.26	74.00	-28.74	Vertical
3	2263.783	42.98	3.60	46.58	74.00	-27.42	Vertical
4	3282.7853	43.61	6.10	49.71	74.00	-24.29	Vertical
5	4924.053	40.26	12.24	52.50	74.00	-21.50	Vertical
6	5993.2492	36.58	16.06	52.64	74.00	-21.36	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:

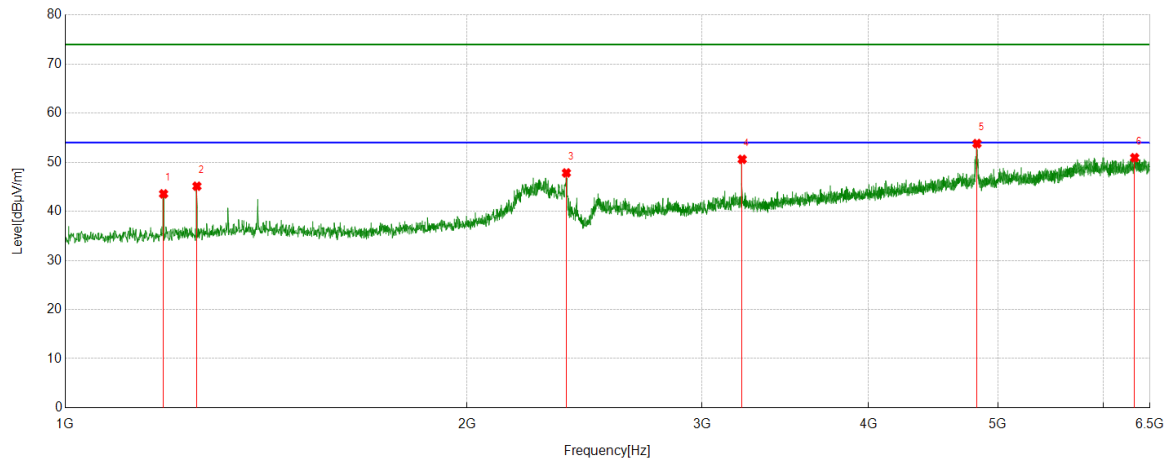
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	1255.0944	44.70	-0.86	43.84	74.00	-30.16	Horizontal
2	2239.7175	40.82	3.81	44.63	74.00	-29.37	Horizontal
3	2373.7967	45.12	3.78	48.90	74.00	-25.10	Horizontal
4	3216.0895	42.40	6.53	48.93	74.00	-25.07	Horizontal
5	4822.5947	42.59	12.42	55.01	74.00	-18.99	Horizontal
6	6022.8154	35.80	15.61	51.41	74.00	-22.59	Horizontal

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	4822.5947	32.04	12.42	44.46	54.00	-9.54	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

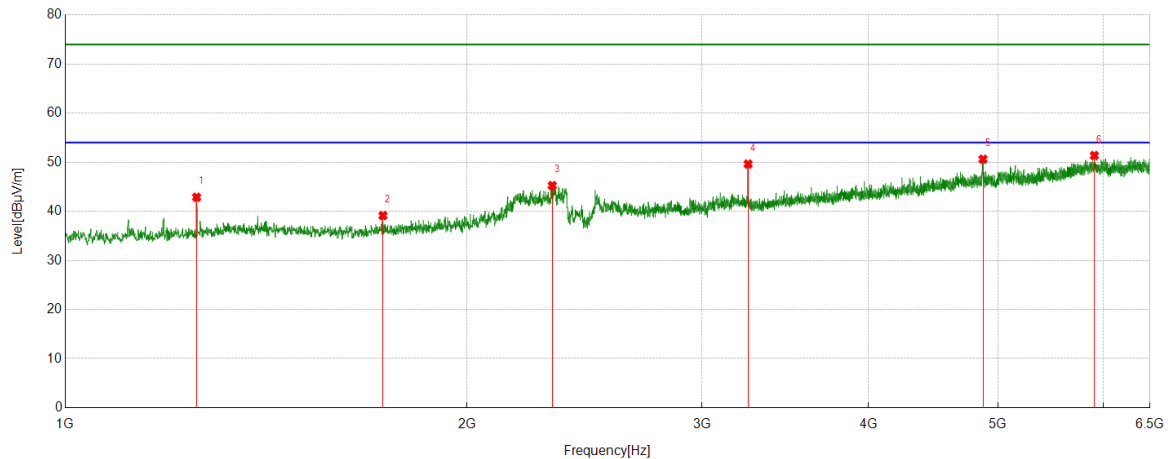


#### PK Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	1184.9606	44.75	-1.19	43.56	74.00	-30.44	Vertical
2	1255.0944	45.98	-0.86	45.12	74.00	-28.88	Vertical
3	2374.4843	44.06	3.77	47.83	74.00	-26.17	Vertical
4	3216.0895	44.06	6.53	50.59	74.00	-23.41	Vertical
5	4822.2903	41.25	12.55	53.80	74.00	-20.20	Vertical
6	6330.1663	33.54	17.39	50.93	74.00	-23.07	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

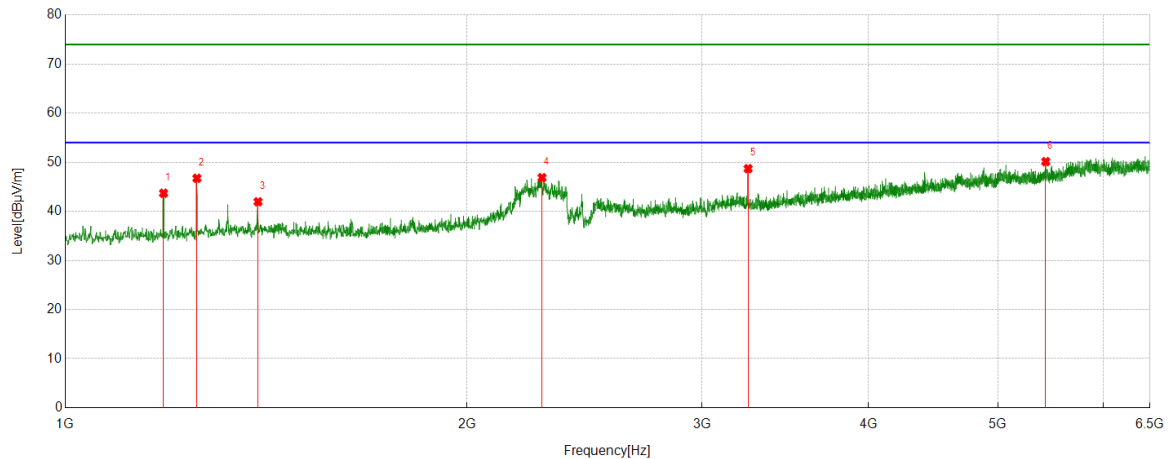


#### PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1254.4068	43.72	-0.85	42.87	74.00	-31.13	Horizontal
2	1730.2163	39.46	-0.32	39.14	74.00	-34.86	Horizontal
3	2317.4147	41.27	3.98	45.25	74.00	-28.75	Horizontal
4	3249.0936	43.35	6.29	49.64	74.00	-24.36	Horizontal
5	4872.4841	38.77	11.85	50.62	74.00	-23.38	Horizontal
6	5905.2382	35.71	15.66	51.37	74.00	-22.63	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
11G	MCH	Vertical	PASS

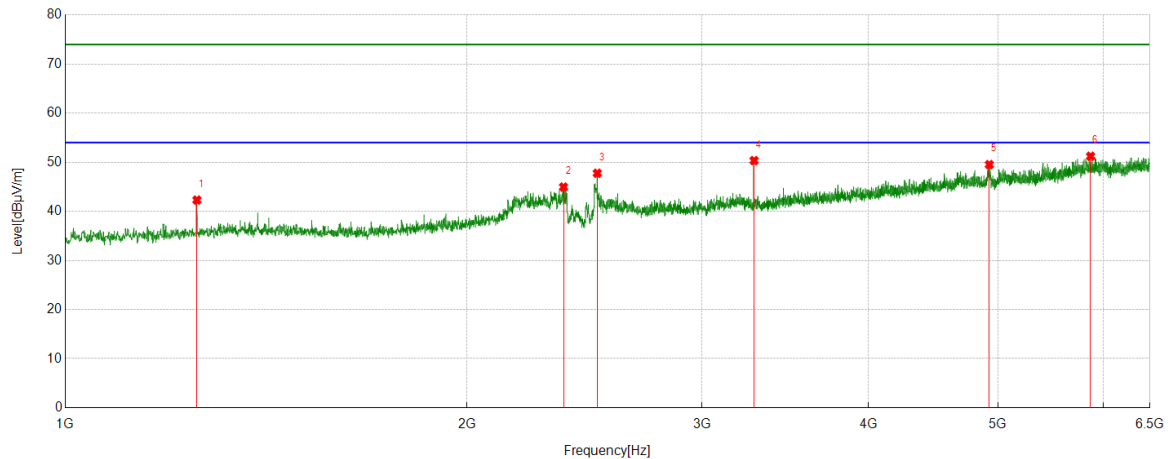


#### PK Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	1184.9606	44.88	-1.19	43.69	74.00	-30.31	Vertical
2	1255.0944	47.60	-0.86	46.74	74.00	-27.26	Vertical
3	1394.6743	42.37	-0.43	41.94	74.00	-32.06	Vertical
4	2276.8471	43.33	3.53	46.86	74.00	-27.14	Vertical
5	3249.0936	42.41	6.29	48.70	74.00	-25.30	Vertical
6	5430.1163	35.43	14.69	50.12	74.00	-23.88	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

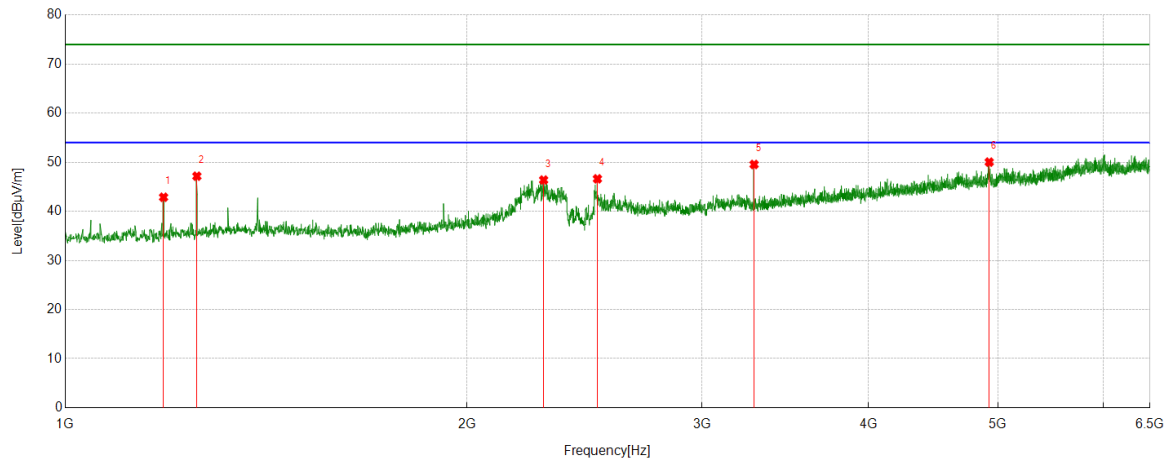


#### PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	43.16	-0.86	42.30	74.00	-31.70	Horizontal
2	2362.7953	41.14	3.81	44.95	74.00	-29.05	Horizontal
3	2504.4381	43.79	3.97	47.76	74.00	-26.24	Horizontal
4	3282.7853	44.24	6.10	50.34	74.00	-23.66	Horizontal
5	4926.1158	37.29	12.23	49.52	74.00	-24.48	Horizontal
6	5866.7333	35.61	15.61	51.22	74.00	-22.78	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

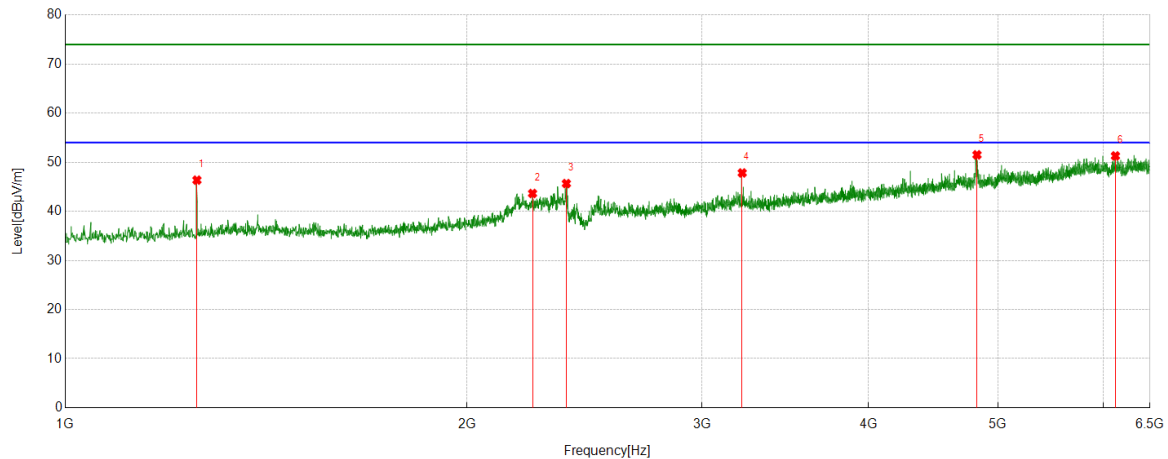


#### PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1184.9606	44.06	-1.19	42.87	74.00	-31.13	Vertical
2	1255.0944	48.02	-0.86	47.16	74.00	-26.84	Vertical
3	2283.0354	42.82	3.56	46.38	74.00	-27.62	Vertical
4	2505.1256	42.64	3.98	46.62	74.00	-27.38	Vertical
5	3282.7853	43.45	6.10	49.55	74.00	-24.45	Vertical
6	4925.4282	37.80	12.23	50.03	74.00	-23.97	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

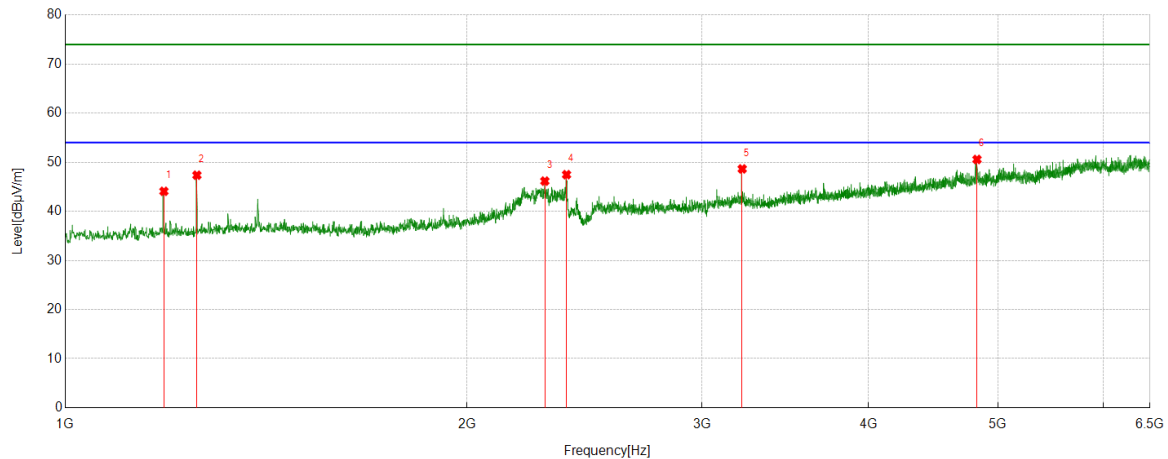


#### PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	47.22	-0.86	46.36	74.00	-27.64	Horizontal
2	2239.7175	39.83	3.81	43.64	74.00	-30.36	Horizontal
3	2374.4843	41.89	3.77	45.66	74.00	-28.34	Horizontal
4	3216.0895	41.29	6.53	47.82	74.00	-26.18	Horizontal
5	4822.2903	38.96	12.55	51.51	74.00	-22.49	Horizontal
6	6123.8905	35.43	15.86	51.29	74.00	-22.71	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



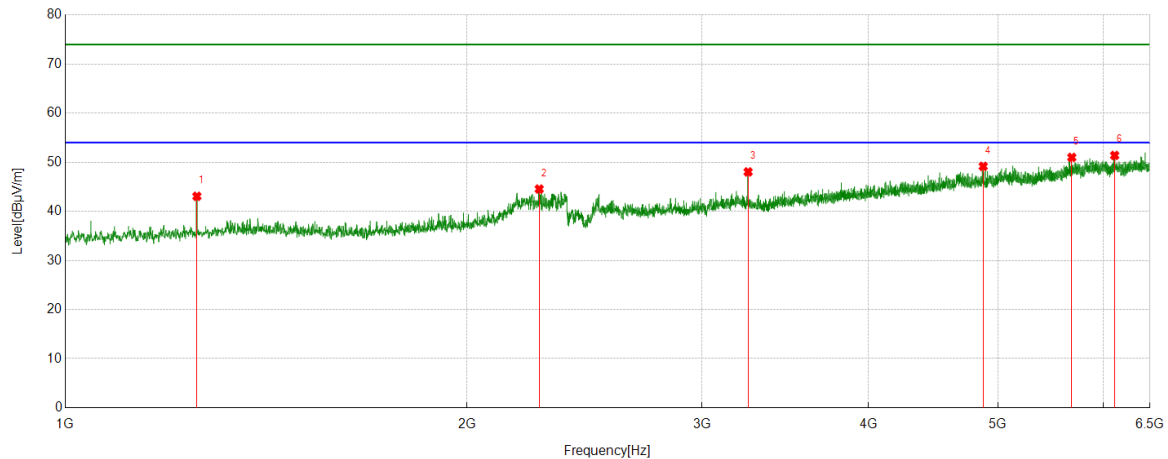
#### PK Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	1185.6482	45.29	-1.21	44.08	74.00	-29.92	Vertical
2	1255.0944	48.22	-0.86	47.36	74.00	-26.64	Vertical
3	2287.8485	42.41	3.75	46.16	74.00	-27.84	Vertical
4	2375.1719	43.69	3.78	47.47	74.00	-26.53	Vertical
5	3216.0895	42.11	6.53	48.64	74.00	-25.36	Vertical
6	4822.2903	38.02	12.55	50.57	74.00	-23.43	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

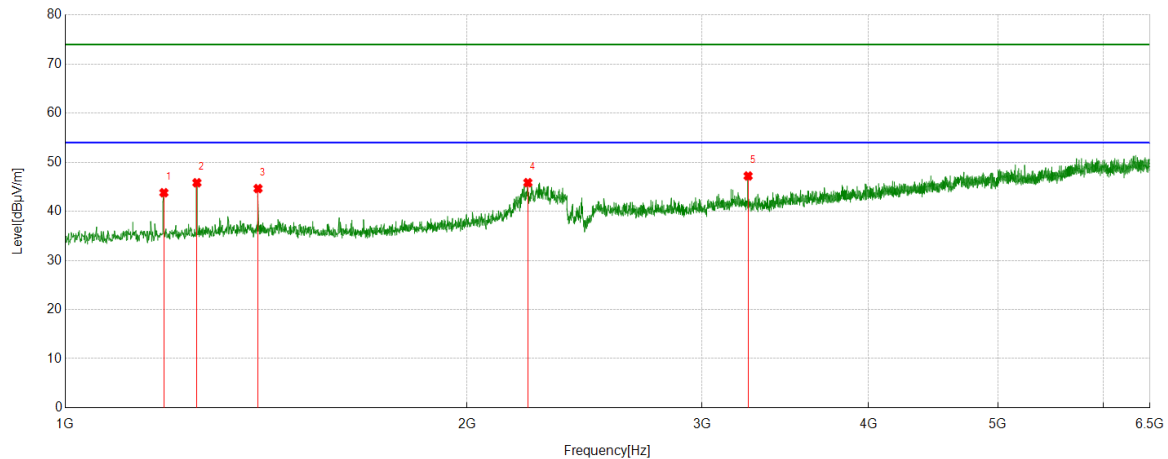


#### PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	43.92	-0.86	43.06	74.00	-30.94	Horizontal
2	2265.8457	40.89	3.65	44.54	74.00	-29.46	Horizontal
3	3249.0936	41.74	6.29	48.03	74.00	-25.97	Horizontal
4	4874.5468	37.26	11.90	49.16	74.00	-24.84	Horizontal
5	5679.71	36.17	14.82	50.99	74.00	-23.01	Horizontal
6	6115.6395	35.71	15.68	51.39	74.00	-22.61	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

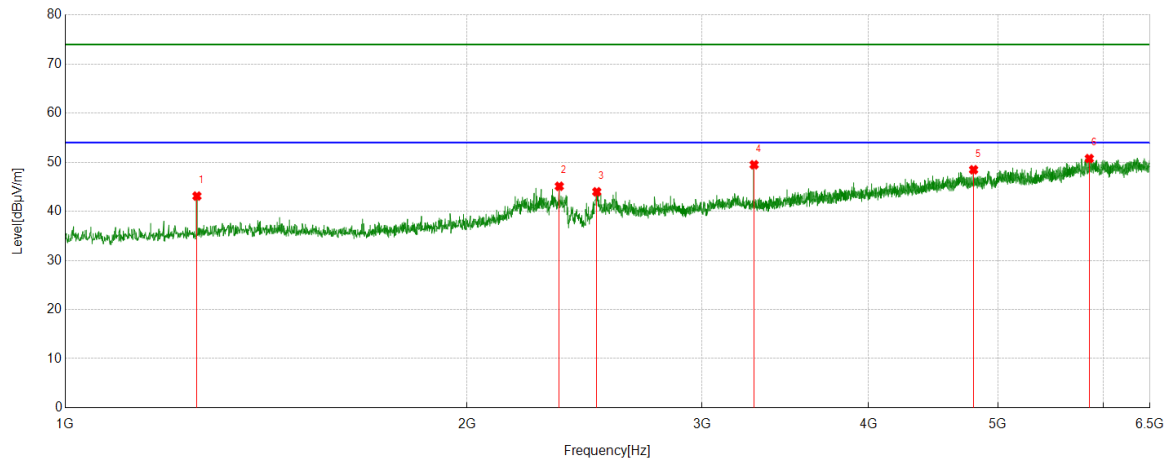


#### PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1185.6482	45.00	-1.21	43.79	74.00	-30.21	Vertical
2	1255.0944	46.68	-0.86	45.82	74.00	-28.18	Vertical
3	1394.6743	45.07	-0.43	44.64	74.00	-29.36	Vertical
4	2221.8402	41.98	3.86	45.84	74.00	-28.16	Vertical
5	3249.0936	40.91	6.29	47.20	74.00	-26.80	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

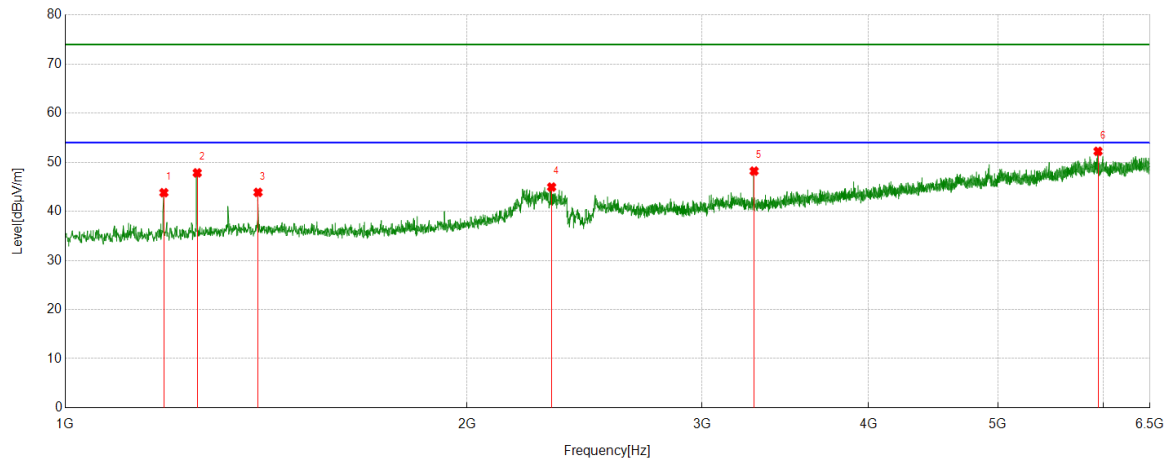


#### PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1255.0944	43.97	-0.86	43.11	74.00	-30.89	Horizontal
2	2345.6057	41.10	4.00	45.10	74.00	-28.90	Horizontal
3	2502.3753	40.00	3.98	43.98	74.00	-30.02	Horizontal
4	3282.7853	43.39	6.10	49.49	74.00	-24.51	Horizontal
5	4794.0993	36.44	12.03	48.47	74.00	-25.53	Horizontal
6	5853.6692	35.01	15.74	50.75	74.00	-23.25	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:

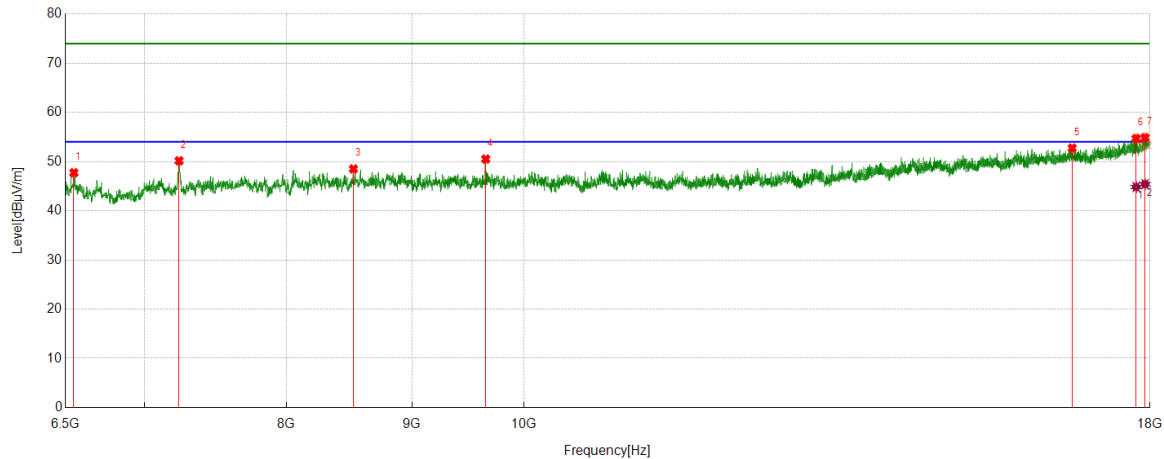
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1185.6482	45.01	-1.21	43.80	74.00	-30.20	Vertical
2	1255.782	48.70	-0.86	47.84	74.00	-26.16	Vertical
3	1394.6743	44.29	-0.43	43.86	74.00	-30.14	Vertical
4	2314.6643	41.10	3.84	44.94	74.00	-29.06	Vertical
5	3282.7853	42.10	6.10	48.20	74.00	-25.80	Vertical
6	5942.3678	36.19	16.03	52.22	74.00	-21.78	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:

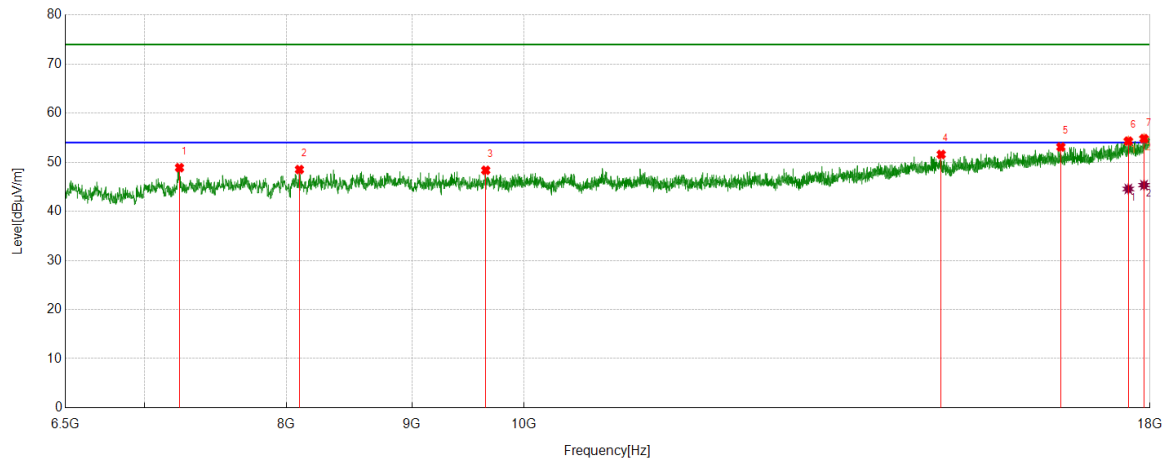
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	6553.1941	44.44	3.29	47.73	74.00	-26.27	Horizontal
2	7233.2167	46.31	3.86	50.17	74.00	-23.83	Horizontal
3	8519.94	41.97	6.54	48.51	74.00	-25.49	Horizontal
4	9647.0809	44.12	6.39	50.51	74.00	-23.49	Horizontal
5	16731.9665	36.64	16.10	52.74	74.00	-21.26	Horizontal
6	17768.5336	36.06	18.63	54.69	74.00	-19.31	Horizontal
7	17916.6146	35.55	19.32	54.87	74.00	-19.13	Horizontal

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17768.5336	26.20	18.63	44.83	54.00	-9.17	Horizontal
2	17916.6146	26.09	19.32	45.41	54.00	-8.59	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:

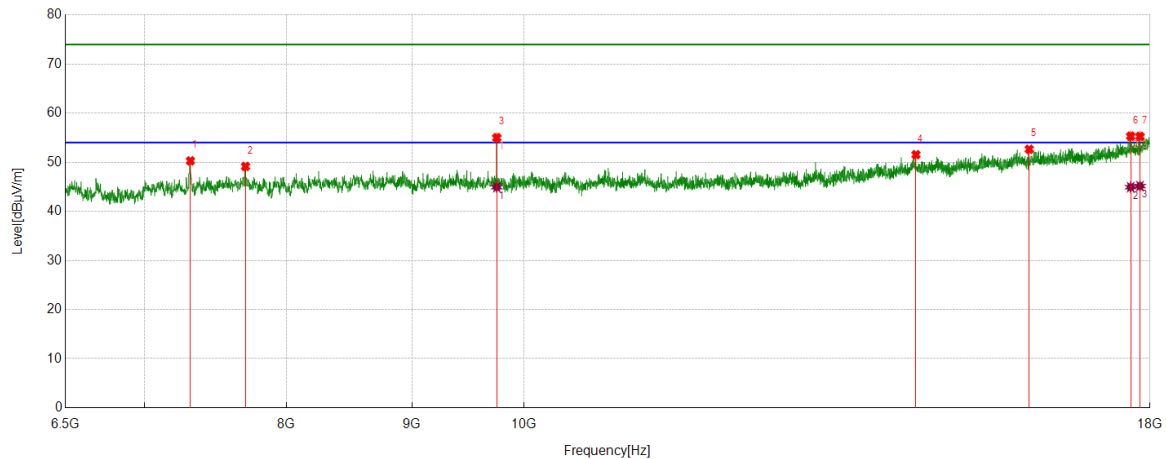
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7236.092	45.08	3.81	48.89	74.00	-25.11	Vertical
2	8098.6998	42.96	5.55	48.51	74.00	-25.49	Vertical
3	9647.0809	41.97	6.39	48.36	74.00	-25.64	Vertical
4	14795.4119	38.73	12.85	51.58	74.00	-22.42	Vertical
5	16555.1319	37.24	15.87	53.11	74.00	-20.89	Vertical
6	17637.7047	36.29	18.01	54.30	74.00	-19.70	Vertical
7	17899.3624	35.62	19.19	54.81	74.00	-19.19	Vertical

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17637.7047	26.55	18.01	44.56	54.00	-9.44	Vertical
2	17899.3624	26.15	19.19	45.34	54.00	-8.66	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:

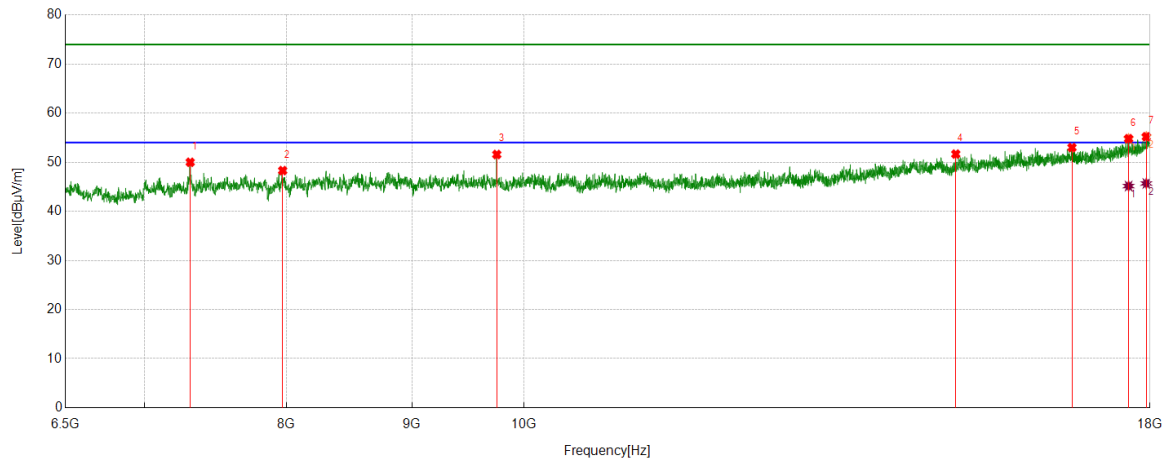
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7310.8514	46.44	3.85	50.29	74.00	-23.71	Horizontal
2	7699.0249	43.58	5.57	49.15	74.00	-24.85	Horizontal
3	9747.7185	48.52	6.48	55.00	74.00	-19.00	Horizontal
4	14448.9311	38.62	12.92	51.54	74.00	-22.46	Horizontal
5	16070.6338	38.07	14.57	52.64	74.00	-21.36	Horizontal
6	17676.5221	37.21	18.10	55.31	74.00	-18.69	Horizontal
7	17831.7915	36.15	19.12	55.27	74.00	-18.73	Horizontal

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	9747.7185	38.44	6.48	44.92	54.00	-9.08	Horizontal
2	17676.5221	26.82	18.10	44.92	54.00	-9.08	Horizontal
3	17831.7915	26.02	19.12	45.14	54.00	-8.86	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 [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7309.4137	46.15	3.85	50.00	74.00	-24.00	Vertical
2	7972.184	42.91	5.39	48.30	74.00	-25.70	Vertical
3	9747.7185	45.10	6.48	51.58	74.00	-22.42	Vertical
4	14999.5624	38.70	12.96	51.66	74.00	-22.34	Vertical
5	16729.0911	36.82	16.17	52.99	74.00	-21.01	Vertical
6	17642.0178	36.80	18.00	54.80	74.00	-19.20	Vertical
7	17938.1798	35.77	19.43	55.20	74.00	-18.80	Vertical

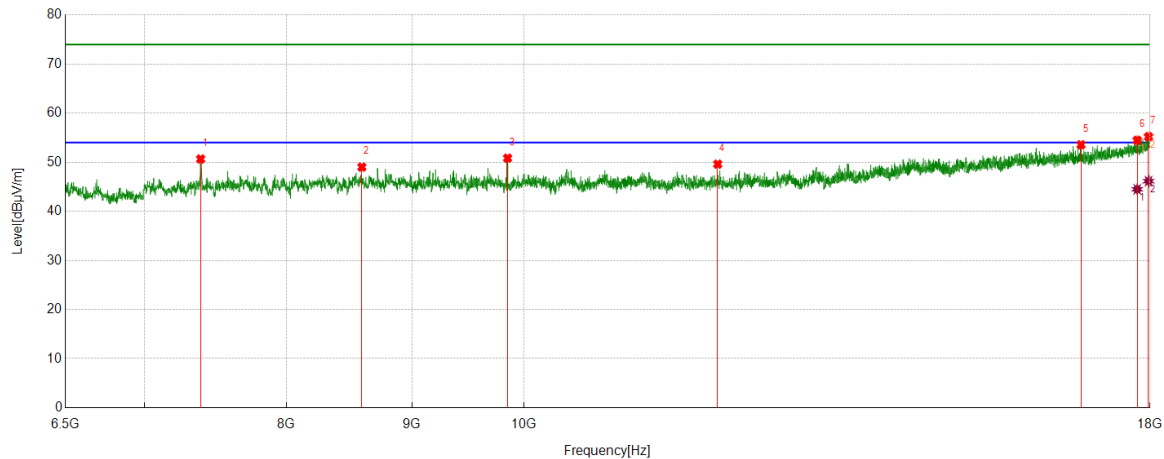
#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17642.0178	27.15	18.00	45.15	54.00	-8.85	Vertical
2	17938.1798	26.25	19.43	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
11B	HCH	Horizontal	PASS



#### PK Result:

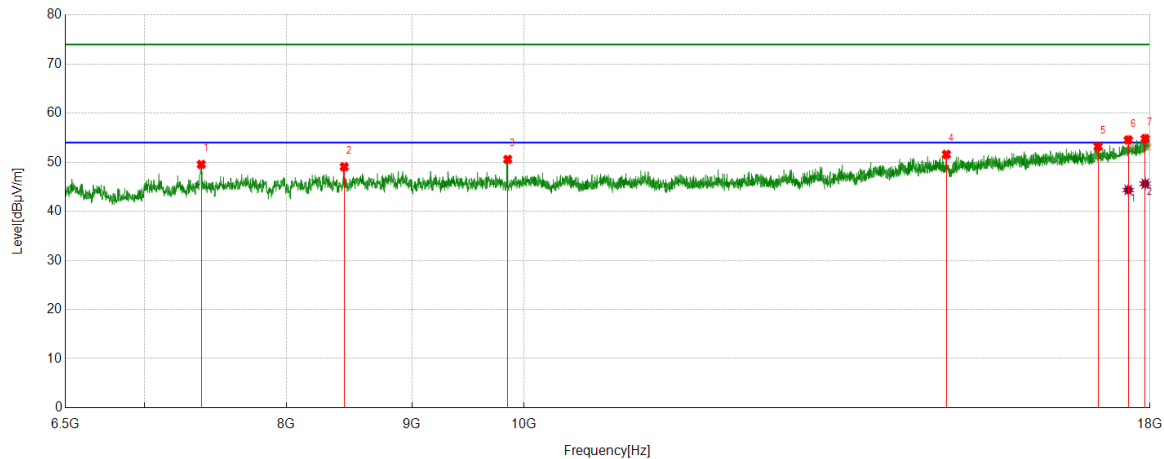
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7381.2977	46.49	4.17	50.66	74.00	-23.34	Horizontal
2	8587.5109	42.97	6.04	49.01	74.00	-24.99	Horizontal
3	9846.9184	44.35	6.48	50.83	74.00	-23.17	Horizontal
4	11994.8119	41.36	8.25	49.61	74.00	-24.39	Horizontal
5	16871.4214	37.49	16.07	53.56	74.00	-20.44	Horizontal
6	17785.7857	35.73	18.74	54.47	74.00	-19.53	Horizontal
7	17975.5594	35.47	19.73	55.20	74.00	-18.80	Horizontal

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17785.7857	25.75	18.74	44.49	54.00	-9.51	Horizontal
2	17975.5594	26.42	19.73	46.15	54.00	-7.85	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:

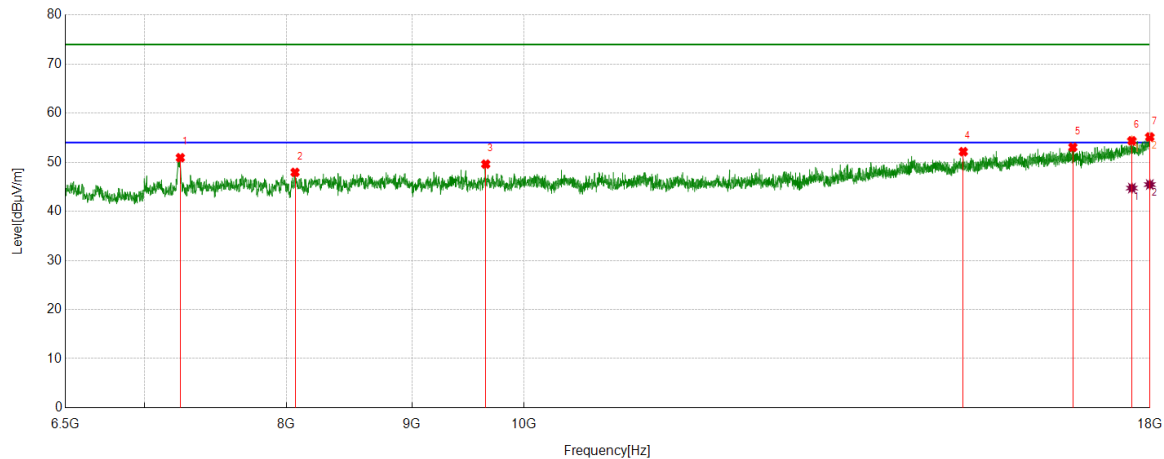
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7385.6107	45.39	4.16	49.55	74.00	-24.45	Vertical
2	8446.6183	43.17	5.91	49.08	74.00	-24.92	Vertical
3	9848.356	44.07	6.51	50.58	74.00	-23.42	Vertical
4	14867.2959	38.76	12.84	51.60	74.00	-22.40	Vertical
5	17143.1429	36.82	16.41	53.23	74.00	-20.77	Vertical
6	17636.267	36.53	18.02	54.55	74.00	-19.45	Vertical
7	17919.4899	35.47	19.36	54.83	74.00	-19.17	Vertical

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17636.267	26.34	18.02	44.36	54.00	-9.64	Vertical
2	17919.4899	26.26	19.36	45.62	54.00	-8.38	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:

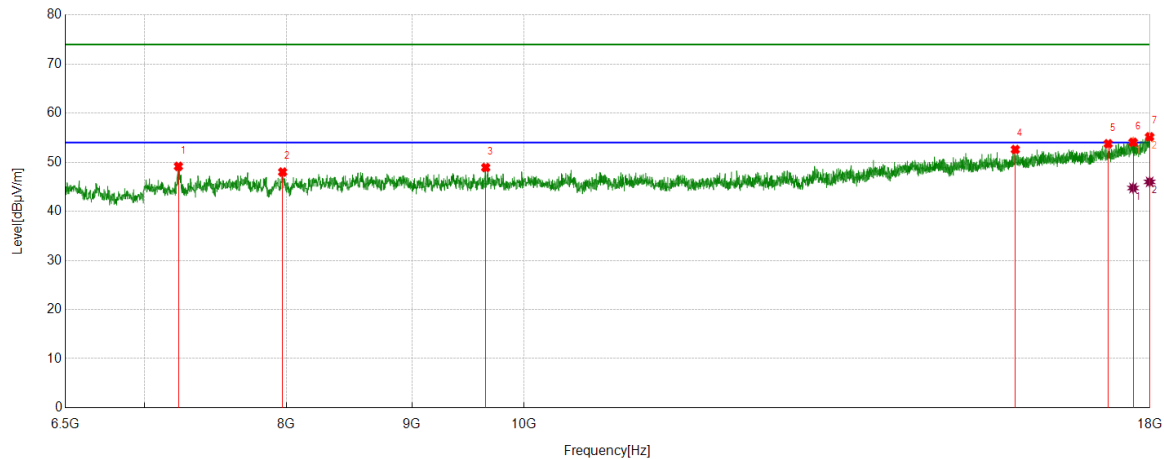
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7241.8427	47.14	3.78	50.92	74.00	-23.08	Horizontal
2	8065.6332	42.39	5.55	47.94	74.00	-26.06	Horizontal
3	9647.0809	43.22	6.39	49.61	74.00	-24.39	Horizontal
4	15105.9507	38.94	13.21	52.15	74.00	-21.85	Horizontal
5	16743.4679	36.98	16.07	53.05	74.00	-20.95	Horizontal
6	17696.6496	36.12	18.24	54.36	74.00	-19.64	Horizontal
7	17997.1246	35.39	19.76	55.15	74.00	-18.85	Horizontal

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17696.6496	26.50	18.24	44.74	54.00	-9.26	Horizontal
2	17997.1246	25.70	19.76	45.46	54.00	-8.54	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:

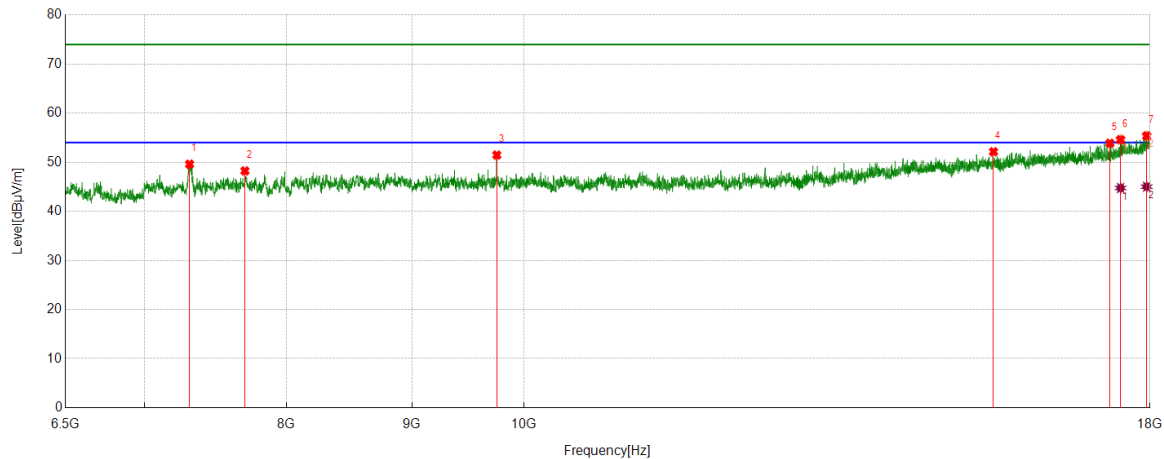
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7228.9036	45.26	3.90	49.16	74.00	-24.84	Vertical
2	7972.184	42.61	5.39	48.00	74.00	-26.00	Vertical
3	9647.0809	42.53	6.39	48.92	74.00	-25.08	Vertical
4	15862.1703	37.94	14.65	52.59	74.00	-21.41	Vertical
5	17307.0384	36.77	17.00	53.77	74.00	-20.23	Vertical
6	17716.7771	35.63	18.44	54.07	74.00	-19.93	Vertical
7	17994.2493	35.41	19.77	55.18	74.00	-18.82	Vertical

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17716.7771	26.31	18.44	44.75	54.00	-9.25	Vertical
2	17994.2493	26.23	19.77	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:

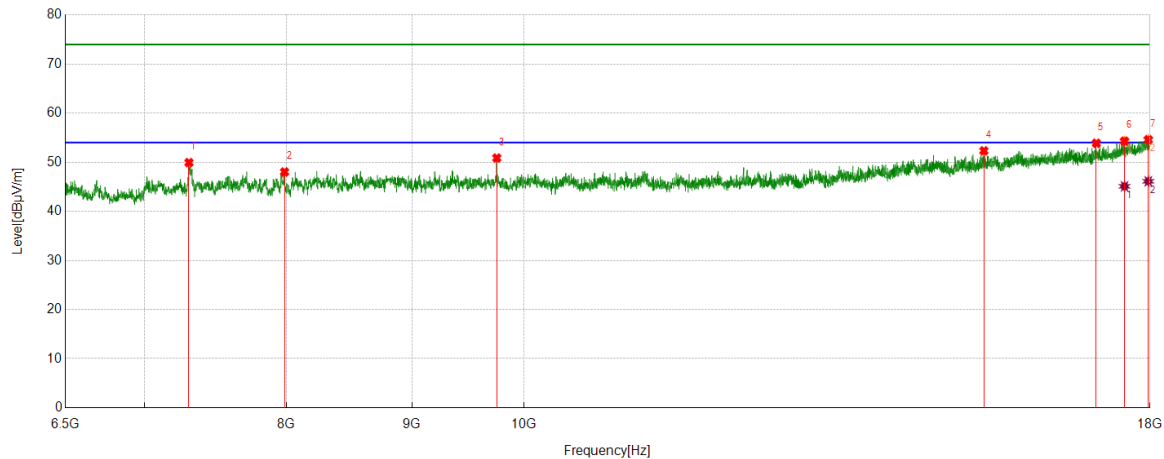
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7305.1006	45.83	3.77	49.60	74.00	-24.40	Horizontal
2	7694.7118	42.87	5.36	48.23	74.00	-25.77	Horizontal
3	9747.7185	44.99	6.48	51.47	74.00	-22.53	Horizontal
4	15540.13	38.32	13.82	52.14	74.00	-21.86	Horizontal
5	17335.792	36.71	17.16	53.87	74.00	-20.13	Horizontal
6	17509.7512	36.98	17.62	54.60	74.00	-19.40	Horizontal
7	17943.9305	35.91	19.46	55.37	74.00	-18.63	Horizontal

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17509.7512	27.13	17.62	44.75	54.00	-9.25	Horizontal
2	17943.9305	25.56	19.46	45.02	54.00	-8.98	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:

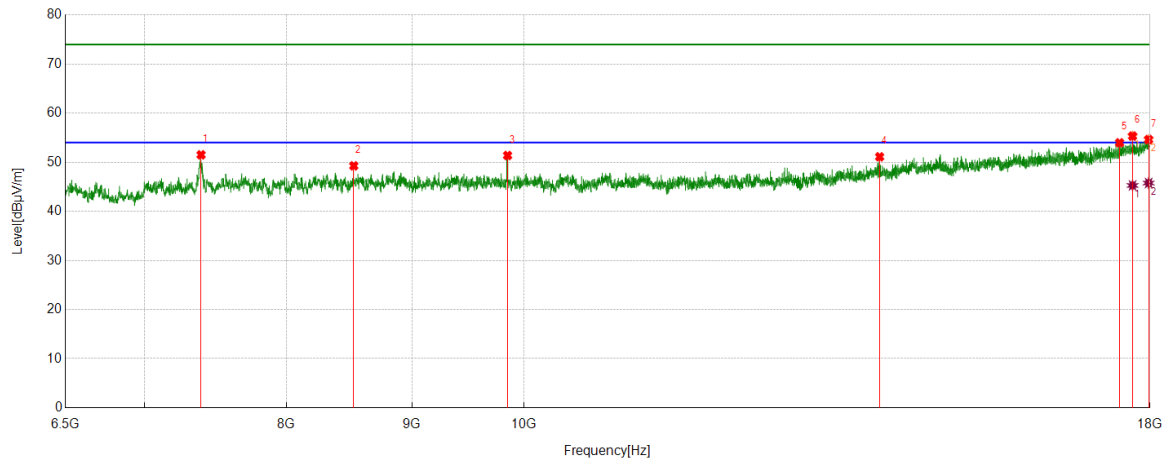
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7300.7876	46.24	3.69	49.93	74.00	-24.07	Vertical
2	7986.5608	42.50	5.52	48.02	74.00	-25.98	Vertical
3	9747.7185	44.39	6.48	50.87	74.00	-23.13	Vertical
4	15400.6751	38.65	13.67	52.32	74.00	-21.68	Vertical
5	17115.827	37.48	16.40	53.88	74.00	-20.12	Vertical
6	17574.4468	36.38	17.92	54.30	74.00	-19.70	Vertical
7	17971.2464	34.95	19.65	54.60	74.00	-19.40	Vertical

#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17574.4468	27.17	17.92	45.09	54.00	-8.91	Vertical
2	17971.2464	26.47	19.65	46.12	54.00	-7.88	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:

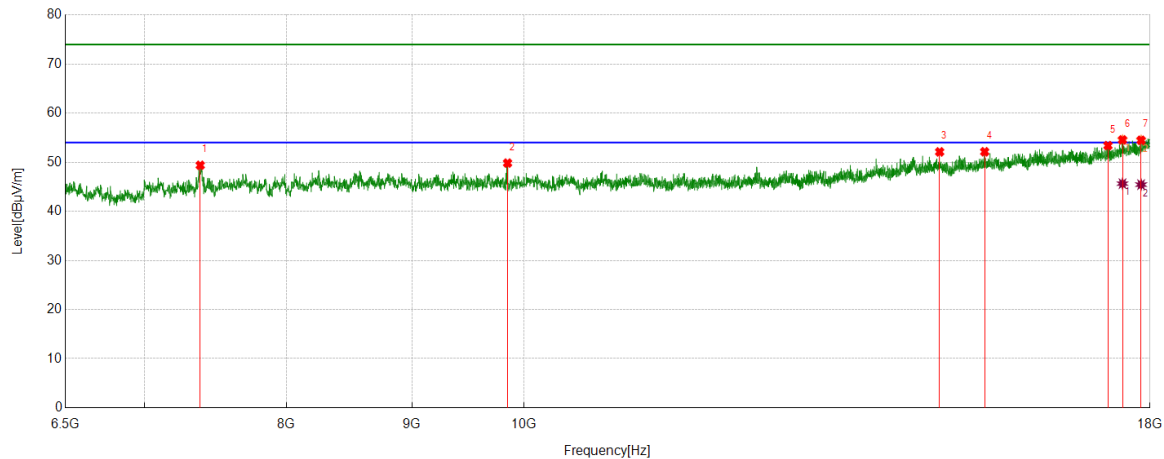
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7384.173	47.35	4.16	51.51	74.00	-22.49	Horizontal
2	8522.8154	42.86	6.40	49.26	74.00	-24.74	Horizontal
3	9846.9184	44.90	6.48	51.38	74.00	-22.62	Horizontal
4	13964.4331	39.62	11.49	51.11	74.00	-22.89	Horizontal
5	17493.9367	36.34	17.63	53.97	74.00	-20.03	Horizontal
6	17708.151	36.98	18.35	55.33	74.00	-18.67	Horizontal
7	17976.9971	34.87	19.75	54.62	74.00	-19.38	Horizontal

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17708.151	26.92	18.35	45.27	54.00	-8.73	Horizontal
2	17976.9971	26.01	19.75	45.76	54.00	-8.24	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 [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7378.4223	45.18	4.20	49.38	74.00	-24.62	Vertical
2	9846.9184	43.35	6.48	49.83	74.00	-24.17	Vertical
3	14773.8467	39.21	12.90	52.11	74.00	-21.89	Vertical
4	15412.1765	38.44	13.70	52.14	74.00	-21.86	Vertical
5	17304.163	36.36	17.03	53.39	74.00	-20.61	Vertical
6	17541.3802	36.86	17.70	54.56	74.00	-19.44	Vertical
7	17850.4813	35.34	19.14	54.48	74.00	-19.52	Vertical

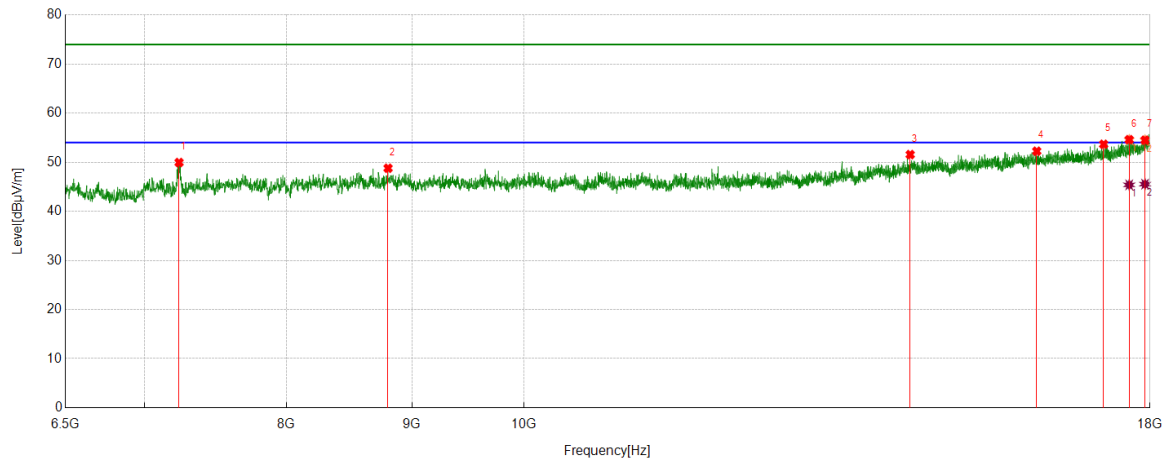
#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17541.3802	27.94	17.70	45.64	54.00	-8.36	Vertical
2	17850.4813	26.30	19.14	45.44	54.00	-8.56	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:

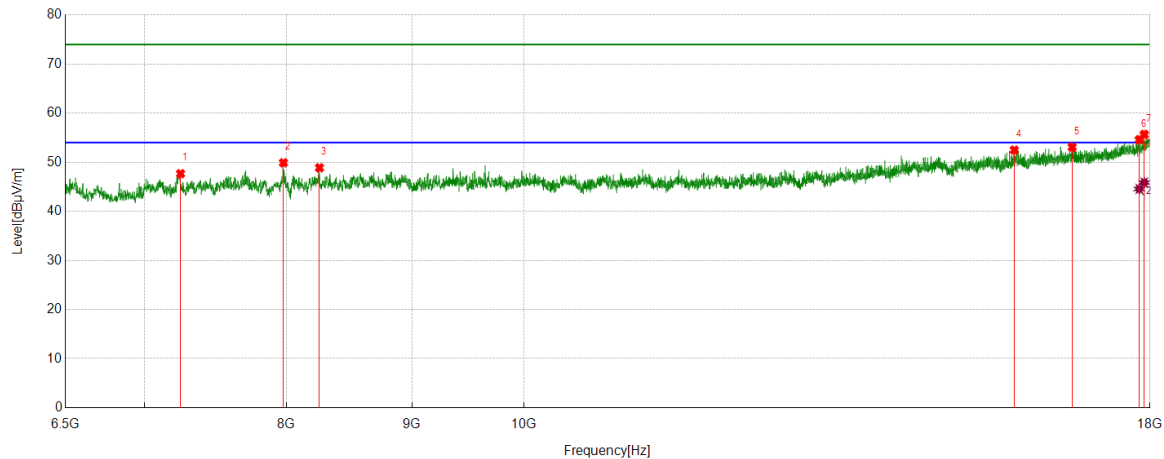
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7233.2167	46.09	3.86	49.95	74.00	-24.05	Horizontal
2	8801.7252	42.56	6.22	48.78	74.00	-25.22	Horizontal
3	14371.2964	38.90	12.66	51.56	74.00	-22.44	Horizontal
4	16184.2105	37.12	15.13	52.25	74.00	-21.75	Horizontal
5	17233.7167	36.92	16.74	53.66	74.00	-20.34	Horizontal
6	17652.0815	36.56	18.04	54.60	74.00	-19.40	Horizontal
7	17916.6146	35.18	19.32	54.50	74.00	-19.50	Horizontal

#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17652.0815	27.35	18.04	45.39	54.00	-8.61	Horizontal
2	17916.6146	26.22	19.32	45.54	54.00	-8.46	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:

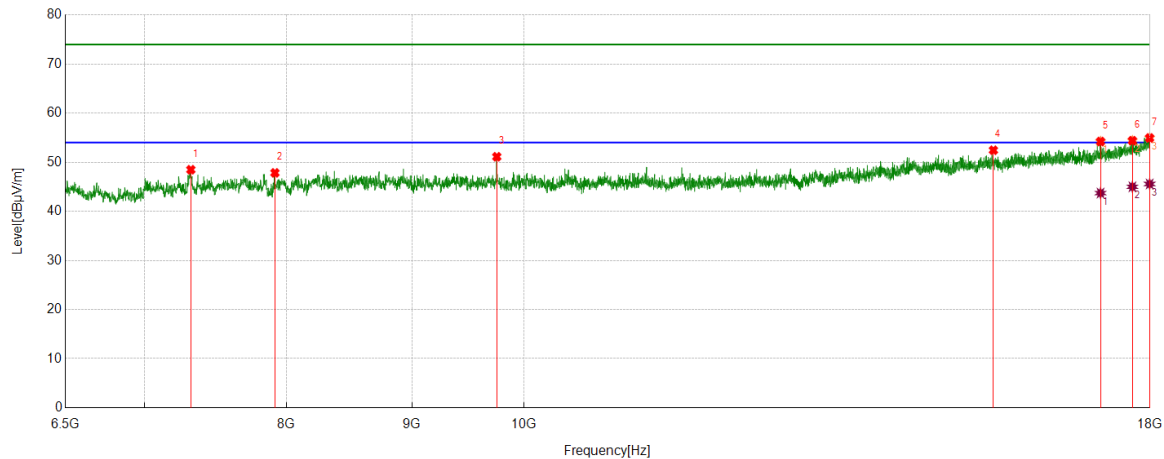
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7243.2804	43.86	3.81	47.67	74.00	-26.33	Vertical
2	7977.9347	44.53	5.37	49.90	74.00	-24.10	Vertical
3	8252.5316	42.61	6.26	48.87	74.00	-25.13	Vertical
4	15846.3558	37.75	14.73	52.48	74.00	-21.52	Vertical
5	16731.9665	36.98	16.10	53.08	74.00	-20.92	Vertical
6	17820.29	35.68	18.92	54.60	74.00	-19.40	Vertical
7	17903.6755	36.46	19.20	55.66	74.00	-18.34	Vertical

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17820.29	25.64	18.92	44.56	54.00	-9.44	Vertical
2	17903.6755	26.66	19.20	45.86	54.00	-8.14	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:

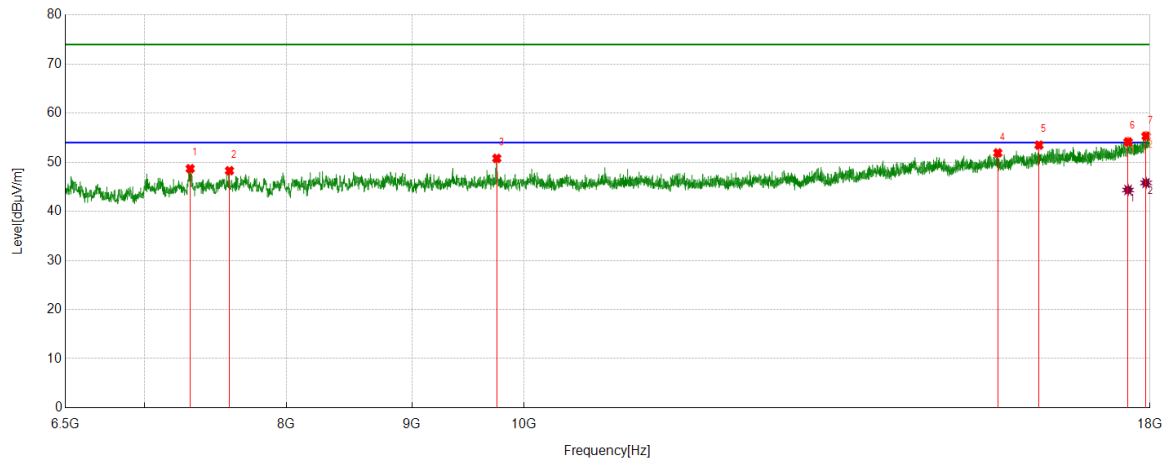
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	7313.7267	44.65	3.83	48.48	74.00	-25.52	Horizontal
2	7914.6768	42.34	5.50	47.84	74.00	-26.16	Horizontal
3	9747.7185	44.64	6.48	51.12	74.00	-22.88	Horizontal
4	15538.6923	38.63	13.82	52.45	74.00	-21.55	Horizontal
5	17183.3979	37.63	16.59	54.22	74.00	-19.78	Horizontal
6	17705.2757	36.08	18.32	54.40	74.00	-19.60	Horizontal
7	17994.2493	35.18	19.77	54.95	74.00	-19.05	Horizontal

#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17183.3979	27.13	16.59	43.72	54.00	-10.28	Horizontal
2	17705.2757	26.68	18.32	45.00	54.00	-9.00	Horizontal
3	17994.2493	25.80	19.77	45.57	54.00	-8.43	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:

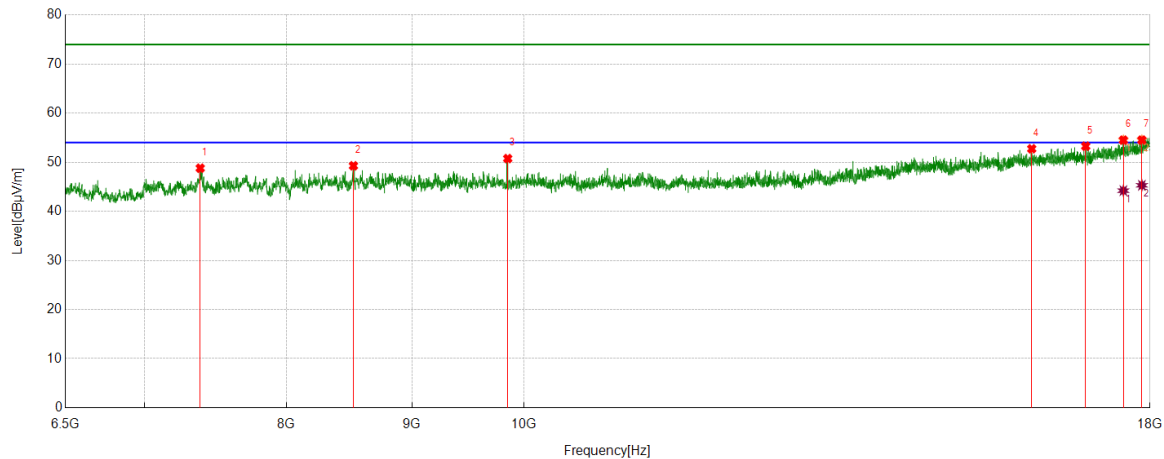
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7309.4137	44.84	3.85	48.69	74.00	-25.31	Vertical
2	7584.0105	43.43	4.85	48.28	74.00	-25.72	Vertical
3	9747.7185	44.31	6.48	50.79	74.00	-23.21	Vertical
4	15603.3879	38.24	13.66	51.90	74.00	-22.10	Vertical
5	16218.7148	38.06	15.42	53.48	74.00	-20.52	Vertical
6	17633.3917	36.12	18.03	54.15	74.00	-19.85	Vertical
7	17933.8667	35.92	19.40	55.32	74.00	-18.68	Vertical

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17633.3917	26.32	18.03	44.35	54.00	-9.65	Vertical
2	17933.8667	26.39	19.40	45.79	54.00	-8.21	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:

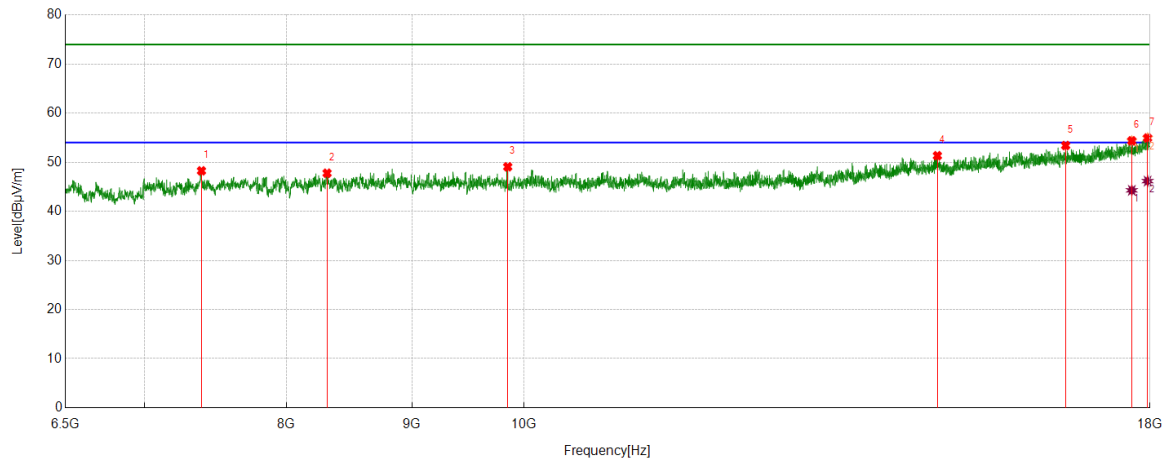
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7378.4223	44.59	4.20	48.79	74.00	-25.21	Horizontal
2	8519.94	42.73	6.54	49.27	74.00	-24.73	Horizontal
3	9848.356	44.24	6.51	50.75	74.00	-23.25	Horizontal
4	16108.0135	37.90	14.84	52.74	74.00	-21.26	Horizontal
5	16946.1808	37.22	16.05	53.27	74.00	-20.73	Horizontal
6	17555.757	36.74	17.77	54.51	74.00	-19.49	Horizontal
7	17863.4204	35.27	19.25	54.52	74.00	-19.48	Horizontal

#### AV Result:

No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17555.757	26.44	17.77	44.21	54.00	-9.79	Horizontal
2	17863.4204	26.06	19.25	45.31	54.00	-8.69	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 [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	7387.0484	44.10	4.15	48.25	74.00	-25.75	Vertical
2	8311.4764	41.50	6.27	47.77	74.00	-26.23	Vertical
3	9848.356	42.56	6.51	49.07	74.00	-24.93	Vertical
4	14742.2178	38.44	12.89	51.33	74.00	-22.67	Vertical
5	16629.8912	37.61	15.80	53.41	74.00	-20.59	Vertical
6	17695.2119	36.13	18.23	54.36	74.00	-19.64	Vertical
7	17959.745	35.31	19.63	54.94	74.00	-19.06	Vertical

#### AV Result:

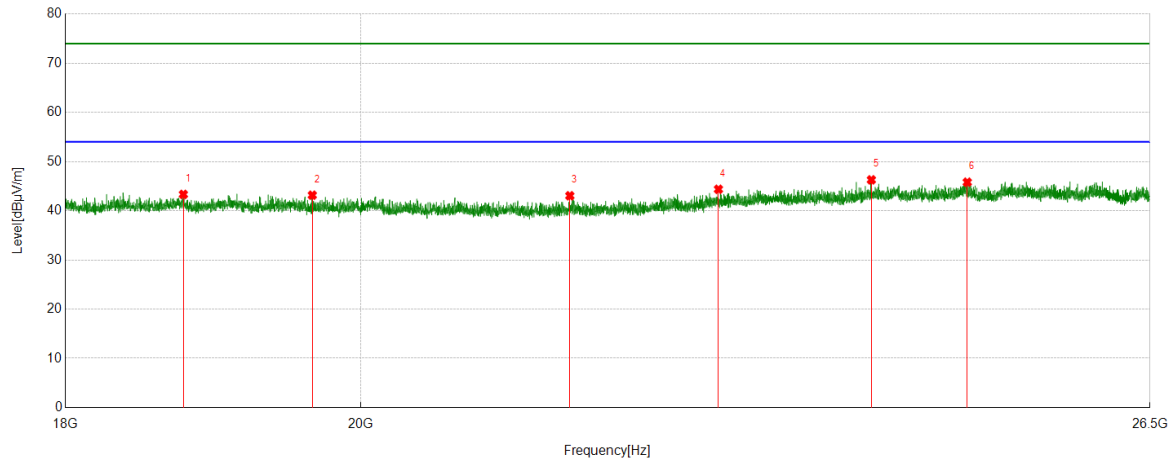
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	17695.2119	26.05	18.23	44.28	54.00	-9.72	Vertical
2	17959.745	26.53	19.63	46.16	54.00	-7.84	Vertical

- 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

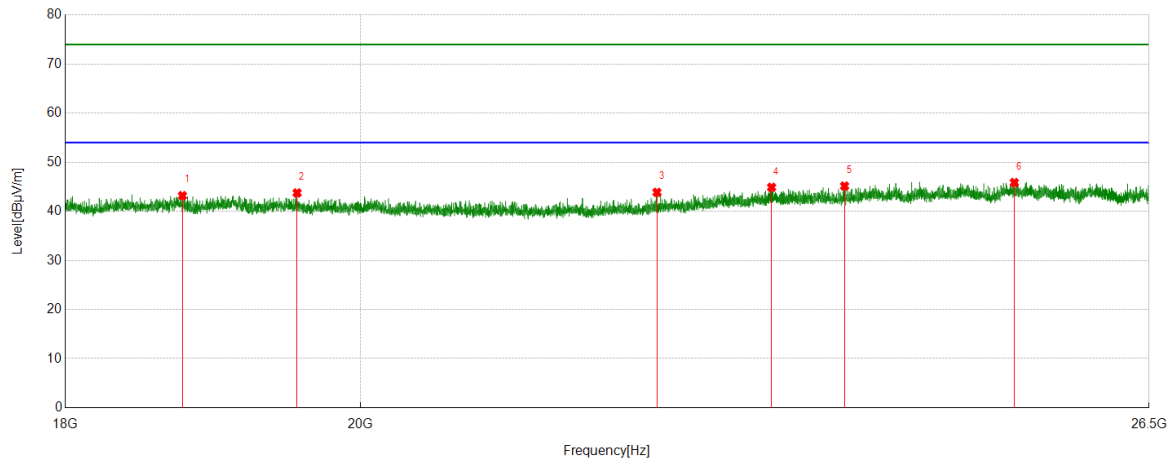


#### PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	18703.8704	50.69	-6.27	44.42	74.00	-29.58	Horizontal
2	20106.5107	49.08	-5.17	43.91	74.00	-30.09	Horizontal
3	21578.0078	48.50	-5.81	42.69	74.00	-31.31	Horizontal
4	22775.7776	48.16	-3.99	44.17	74.00	-29.83	Horizontal
5	24064.5065	48.21	-2.67	45.54	74.00	-28.46	Horizontal
6	25235.9236	49.78	-3.37	46.41	74.00	-27.59	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 [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	18769.3269	49.40	-6.21	43.19	74.00	-30.81	Vertical
2	19553.1053	49.20	-5.45	43.75	74.00	-30.25	Vertical
3	22232.5733	49.19	-5.32	43.87	74.00	-30.13	Vertical
4	23160.8661	48.32	-3.43	44.89	74.00	-29.11	Vertical
5	23772.0772	48.11	-2.96	45.15	74.00	-28.85	Vertical
6	25256.3256	49.21	-3.35	45.86	74.00	-28.14	Vertical

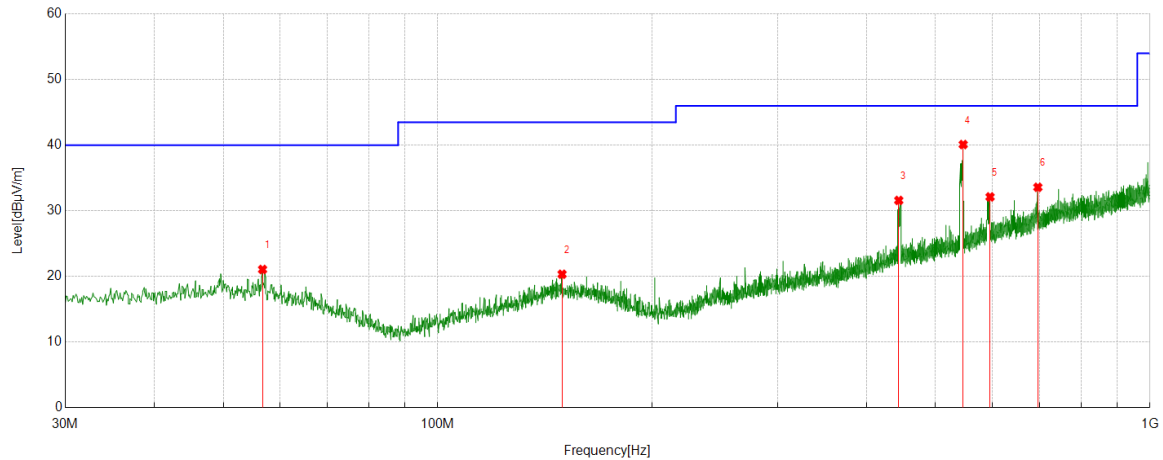
- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. Measurement = Reading Level + Correct Factor,  
Correct Factor = Antenna Factor + Loss (Cable) - Amplifier Gain.  
4. Only the worst case emission 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)

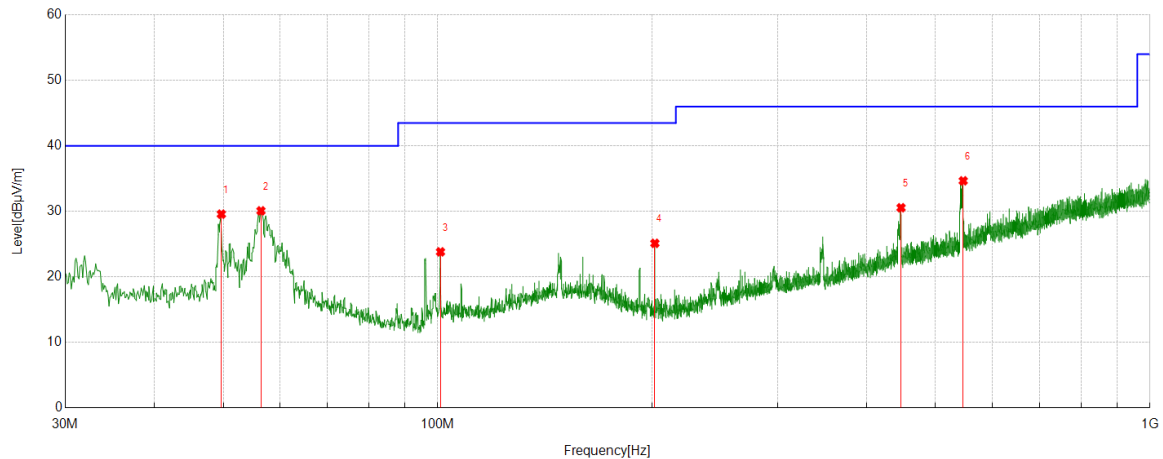
Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	56.7747	0.76	20.29	21.05	40.00	-18.95	Peak
2	149.516	-0.17	20.49	20.32	43.50	-23.18	Peak
3	443.9404	6.67	24.91	31.58	46.00	-14.42	Peak
4	546.7707	13.43	26.67	40.10	46.00	-5.90	Peak
5	596.3426	4.02	28.09	32.11	46.00	-13.89	Peak
6	695.9716	3.91	29.67	33.58	46.00	-12.42	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



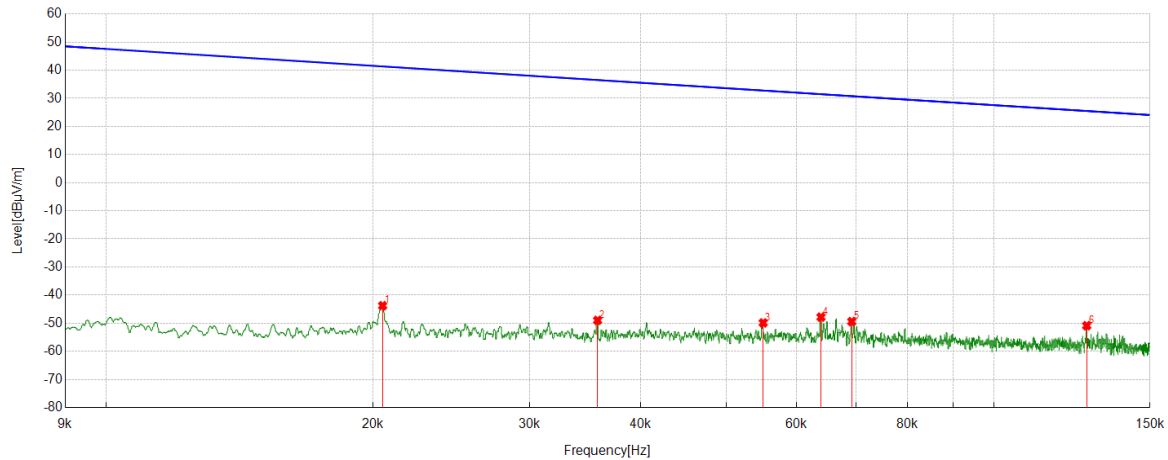
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	49.693	9.03	20.54	29.57	40.00	-10.43	Peak
2	56.4836	9.77	20.31	30.08	40.00	-9.92	Peak
3	100.9141	8.02	15.79	23.81	43.50	-19.69	Peak
4	201.8042	8.02	17.09	25.11	43.50	-18.39	Peak
5	447.2387	5.58	24.97	30.55	46.00	-15.45	Peak
6	546.7707	7.99	26.67	34.66	46.00	-11.34	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)

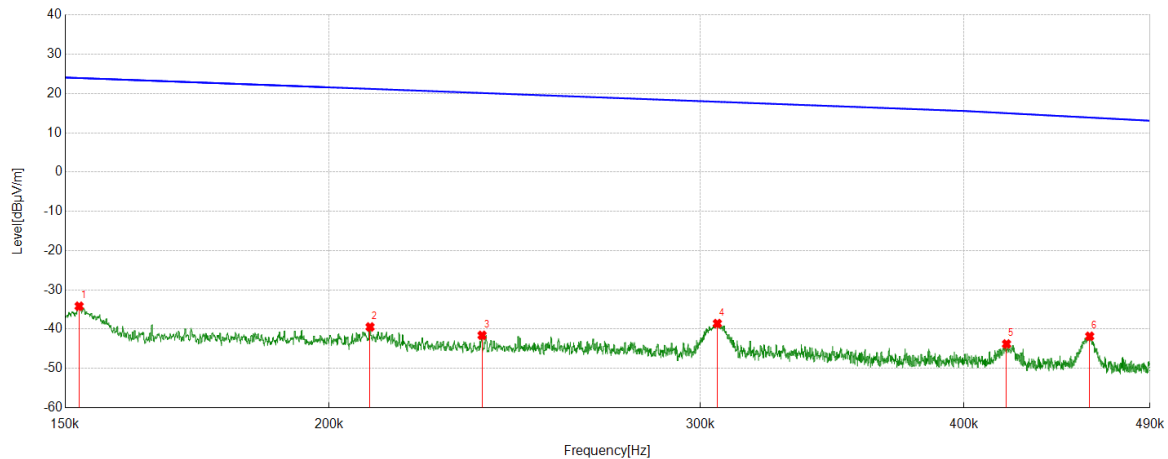
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	9kHz~150kHz	PASS



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	0.0205	17.96	-61.74	-43.78	41.37	-95.28	-10.13	-85.15	Peak
2	0.0358	12.61	-61.60	-48.99	36.53	-100.49	-14.97	-85.52	Peak
3	0.0550	11.70	-61.60	-49.90	32.80	-101.40	-18.70	-82.70	Peak
4	0.0639	13.77	-61.61	-47.84	31.49	-99.34	-20.01	-79.33	Peak
5	0.0692	12.19	-61.61	-49.42	30.80	-100.92	-20.70	-80.22	Peak
6	0.1273	10.83	-61.72	-50.89	25.51	-102.39	-25.99	-76.40	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.

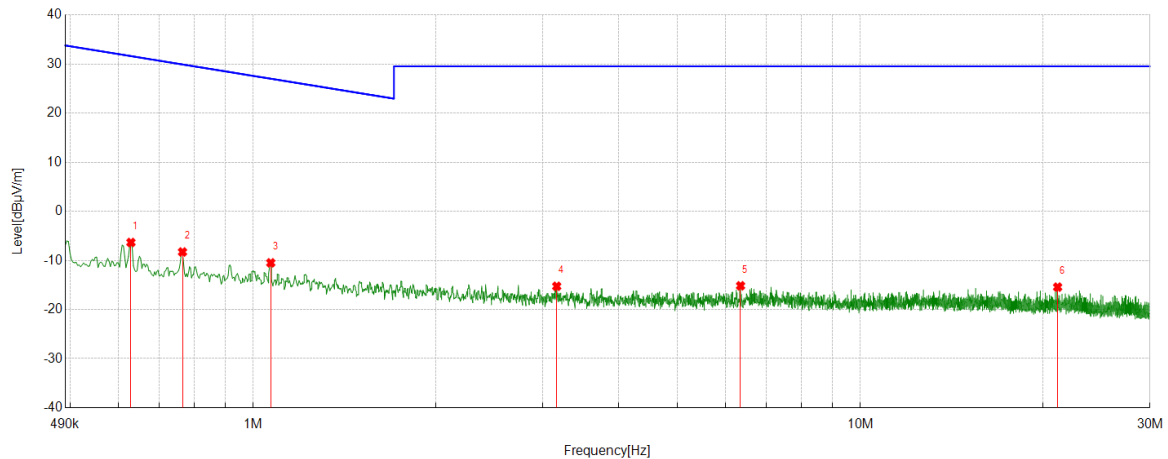
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	150kHz~490kHz	PASS



No.	Frequency [MHz]	Reading Level [dBuV/m]	Correct Factor [dB]	FCC Result [dBuV/m]	FCC Limit [dBuV/m]	ISED Result [dBuA/m]	ISED Limit [dBuA/m]	Margin [dB]	Remark
1	0.1523	27.58	-61.74	-34.16	23.95	-85.66	-27.55	-58.11	Peak
2	0.2092	22.33	-61.77	-39.44	21.19	-90.94	-30.31	-60.63	Peak
3	0.2364	20.21	-61.79	-41.58	20.13	-93.08	-31.37	-61.71	Peak
4	0.3056	23.25	-61.82	-38.57	17.90	-90.07	-33.60	-56.47	Peak
5	0.4190	18.07	-61.85	-43.78	14.99	-95.28	-36.51	-58.77	Peak
6	0.4588	20.05	-61.86	-41.81	13.89	-93.31	-37.61	-55.70	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 [MHz]	Reading Level [dBuV/m]	Correct Factor [dB]	FCC Result [dBuV/m]	FCC Limit [dBuV/m]	ISED Result [dBuA/m]	ISED Limit [dBuA/m]	Margin [dB]	Remark
1	0.6287	15.55	-21.89	-6.34	31.63	-57.84	-19.87	-37.97	Peak
2	0.7645	13.59	-21.87	-8.28	29.93	-59.78	-21.57	-38.21	Peak
3	1.0685	11.37	-21.86	-10.49	27.03	-61.99	-24.47	-37.52	Peak
4	3.1609	6.51	-21.78	-15.27	29.54	-66.77	-21.96	-44.81	Peak
5	6.3483	6.64	-21.81	-15.17	29.54	-66.67	-21.96	-44.71	Peak
6	21.1314	6.03	-21.47	-15.44	29.54	-66.94	-21.96	-44.98	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.

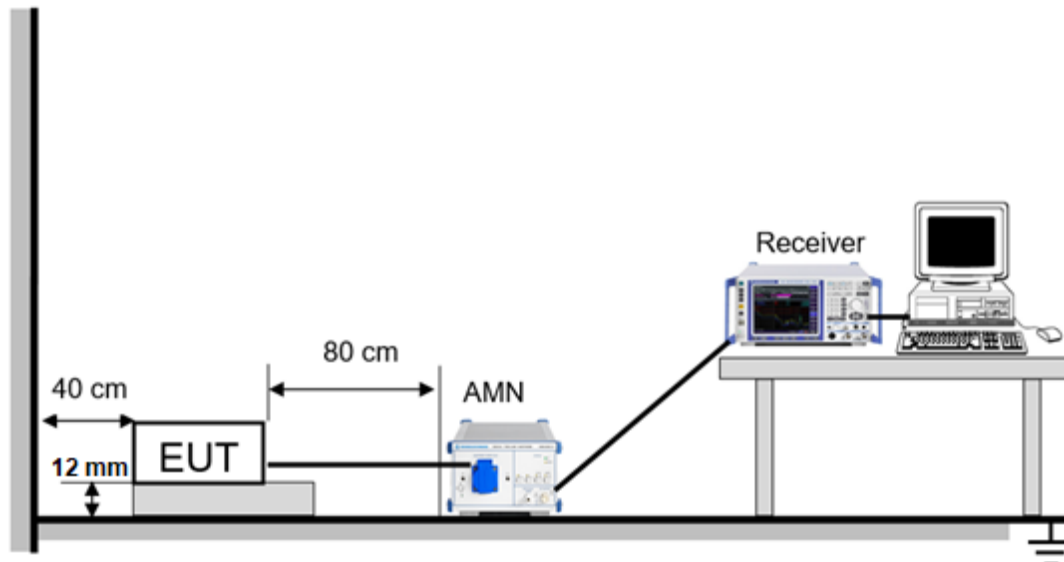
## 9. AC POWER LINE CONDUCTED EMISSIONS

### 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



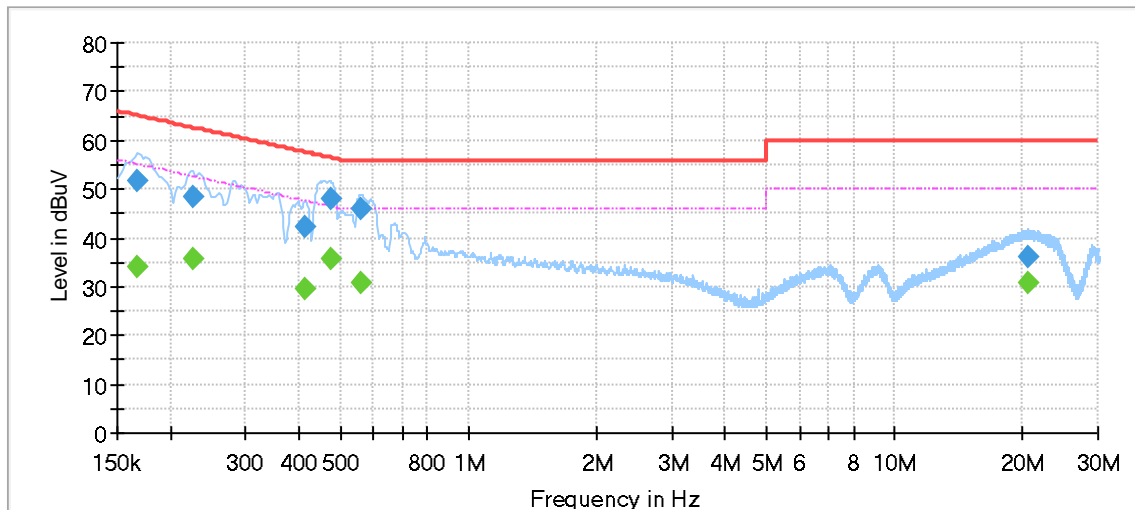
The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver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

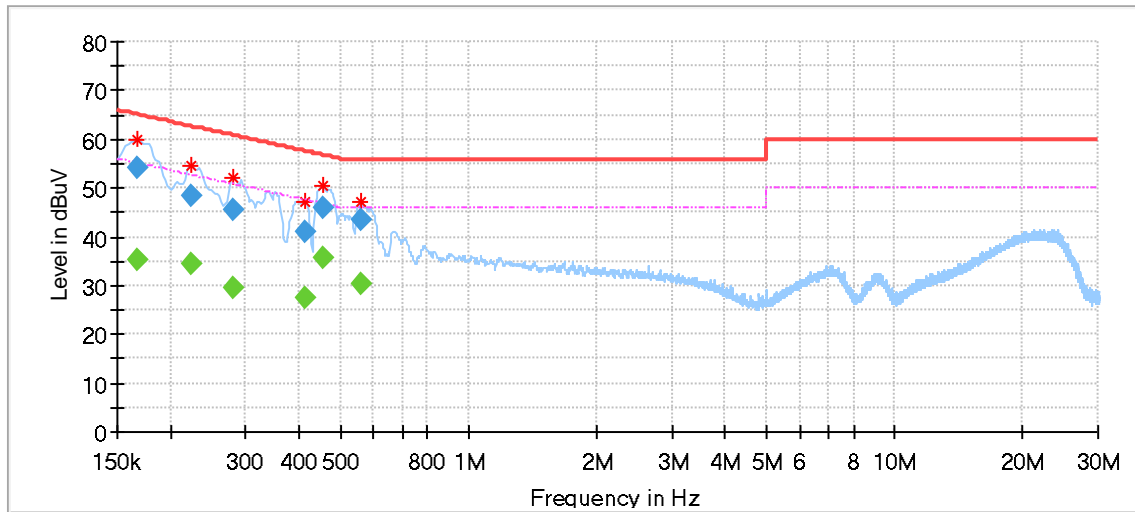


### Final\_Result

Frequency [MHz]	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. [dB]
0.167413	---	33.95	55.09	21.14	5000.0	9.000	L1	OFF	9.6
0.167413	51.80	---	65.09	13.29	5000.0	9.000	L1	OFF	9.6
0.227113	---	35.76	52.56	16.80	5000.0	9.000	L1	OFF	9.6
0.227113	48.42	---	62.56	14.14	5000.0	9.000	L1	OFF	9.6
0.413675	---	29.68	47.57	17.90	5000.0	9.000	L1	OFF	9.6
0.413675	42.15	---	57.57	15.43	5000.0	9.000	L1	OFF	9.6
0.475863	---	35.69	46.41	10.72	5000.0	9.000	L1	OFF	9.6
0.475863	48.19	---	56.41	8.22	5000.0	9.000	L1	OFF	9.6
0.557950	---	30.78	46.00	15.22	5000.0	9.000	L1	OFF	9.6
0.557950	45.86	---	56.00	10.14	5000.0	9.000	L1	OFF	9.6
20.609688	---	30.92	50.00	19.08	5000.0	9.000	L1	OFF	9.8
20.609688	36.10	---	60.00	23.90	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]
0.167413	---	35.18	55.09	19.90	5000.0	9.000	N	OFF	9.5
0.167413	54.10	---	65.09	10.98	5000.0	9.000	N	OFF	9.5
0.224625	---	34.29	52.65	18.36	5000.0	9.000	N	OFF	9.5
0.224625	48.37	---	62.65	14.28	5000.0	9.000	N	OFF	9.5
0.281838	---	29.63	50.76	21.13	5000.0	9.000	N	OFF	9.6
0.281838	45.60	---	60.76	15.16	5000.0	9.000	N	OFF	9.6
0.413675	---	27.69	47.57	19.89	5000.0	9.000	N	OFF	9.6
0.413675	41.18	---	57.57	16.39	5000.0	9.000	N	OFF	9.6
0.455963	---	35.88	46.77	10.89	5000.0	9.000	N	OFF	9.6
0.455963	45.83	---	56.77	10.93	5000.0	9.000	N	OFF	9.6
0.560438	---	30.51	46.00	15.49	5000.0	9.000	N	OFF	9.6
0.560438	43.69	---	56.00	12.31	5000.0	9.000	N	OFF	9.6

- 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**