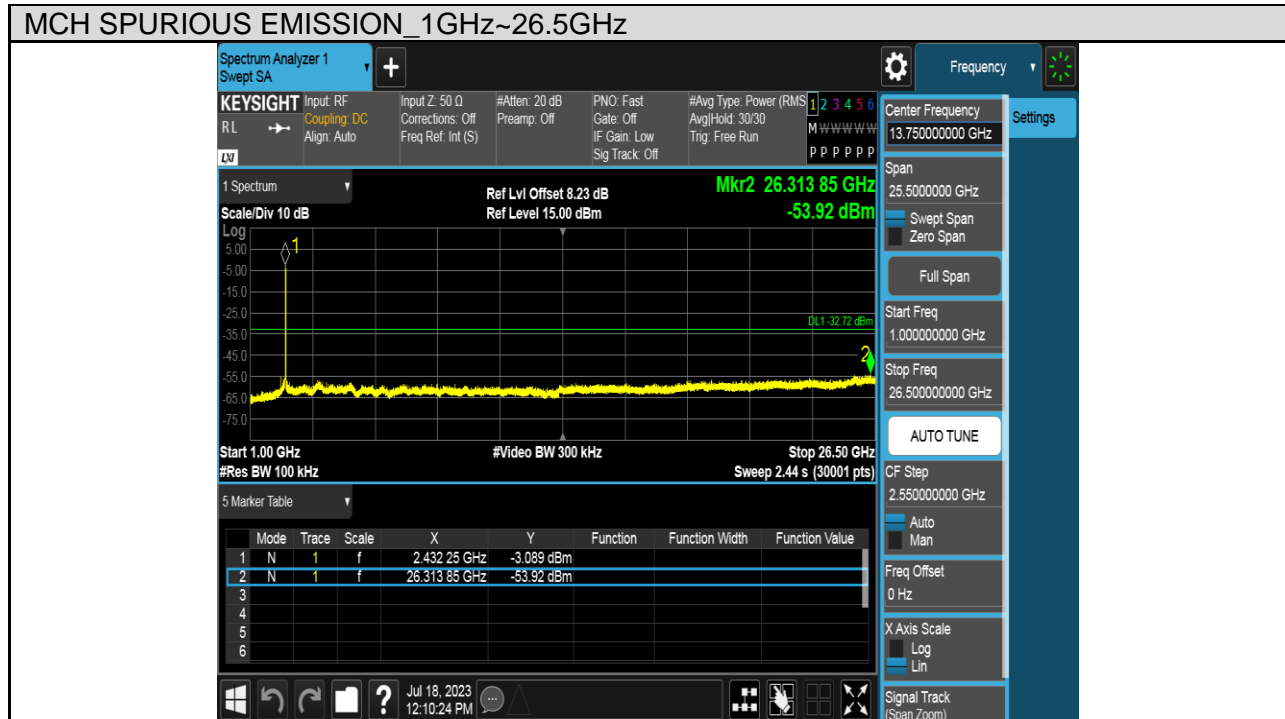
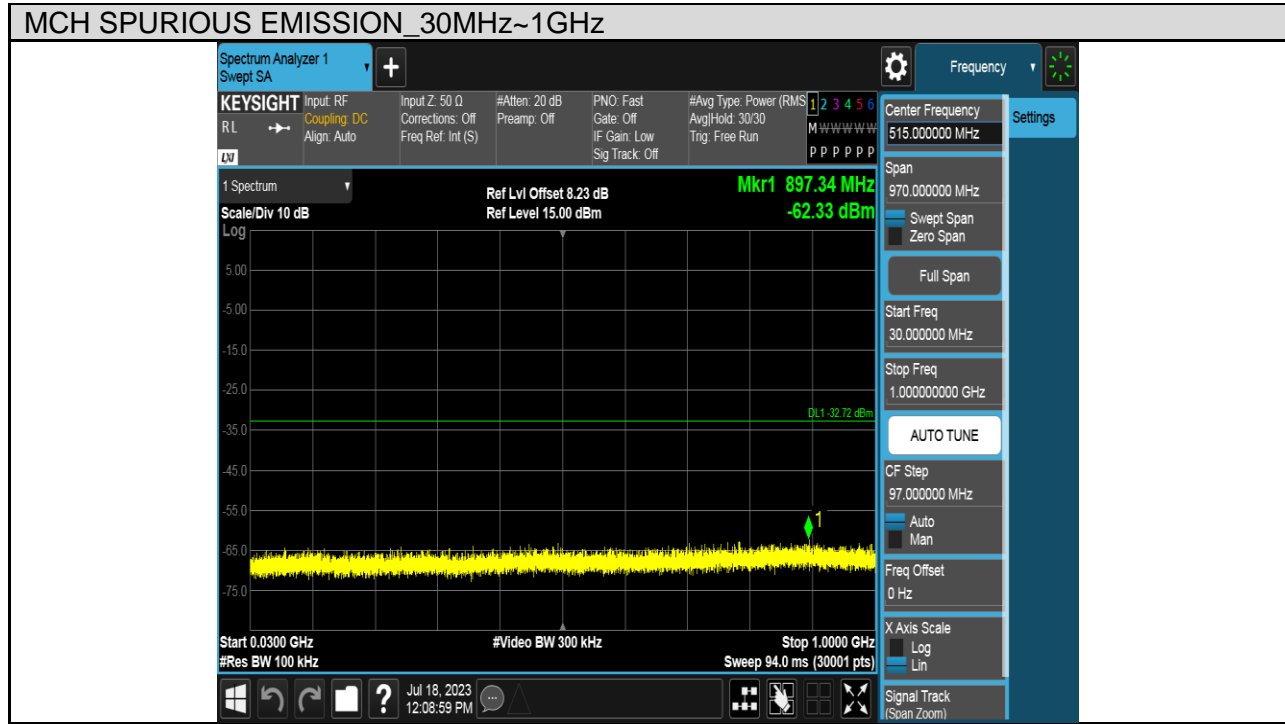
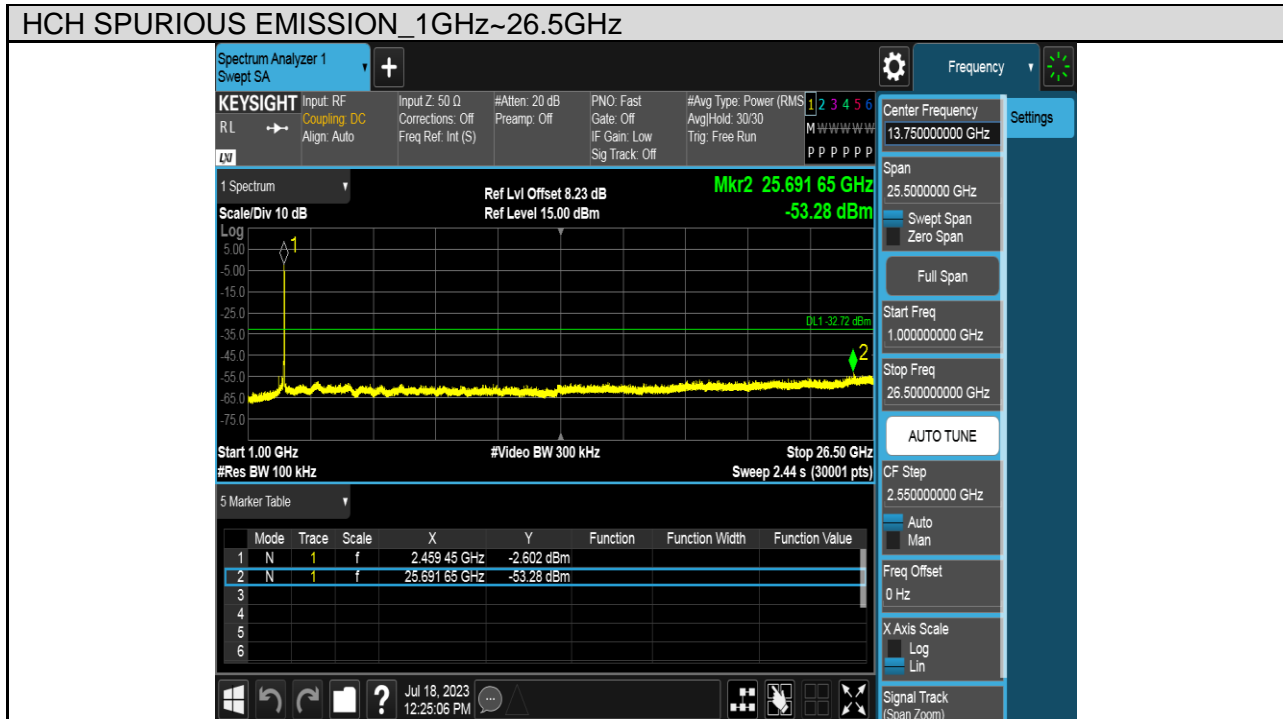
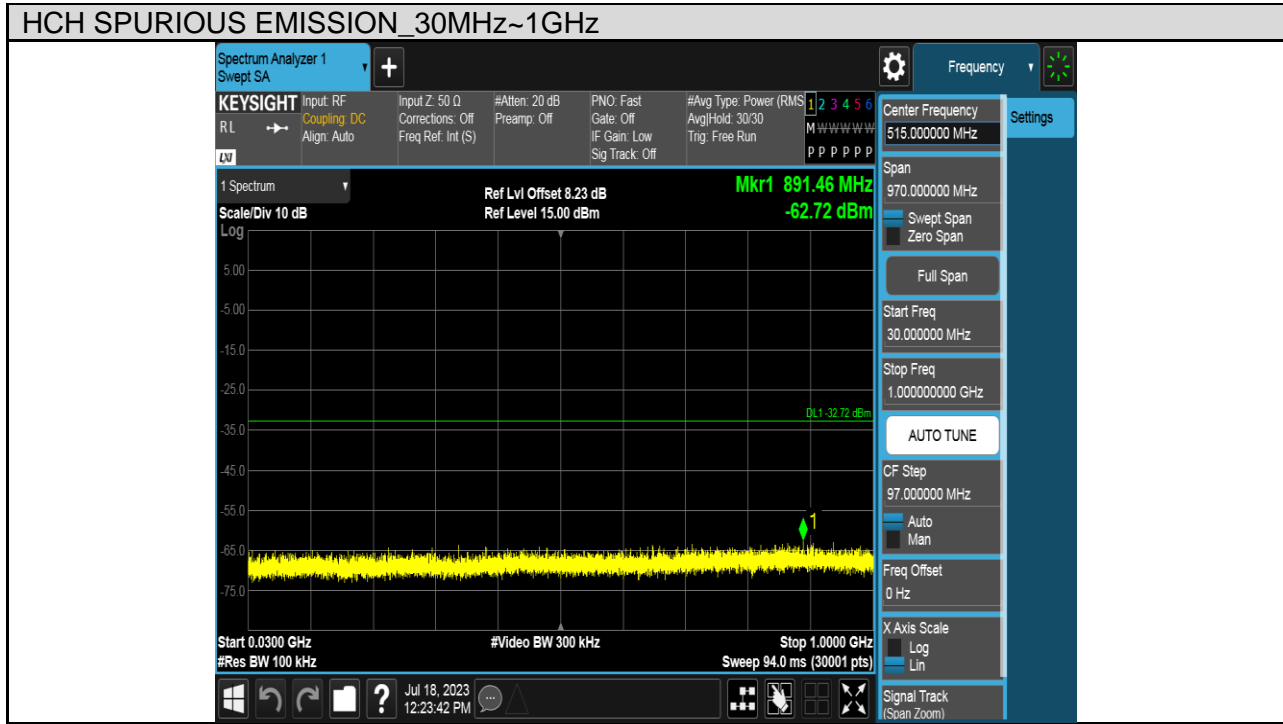


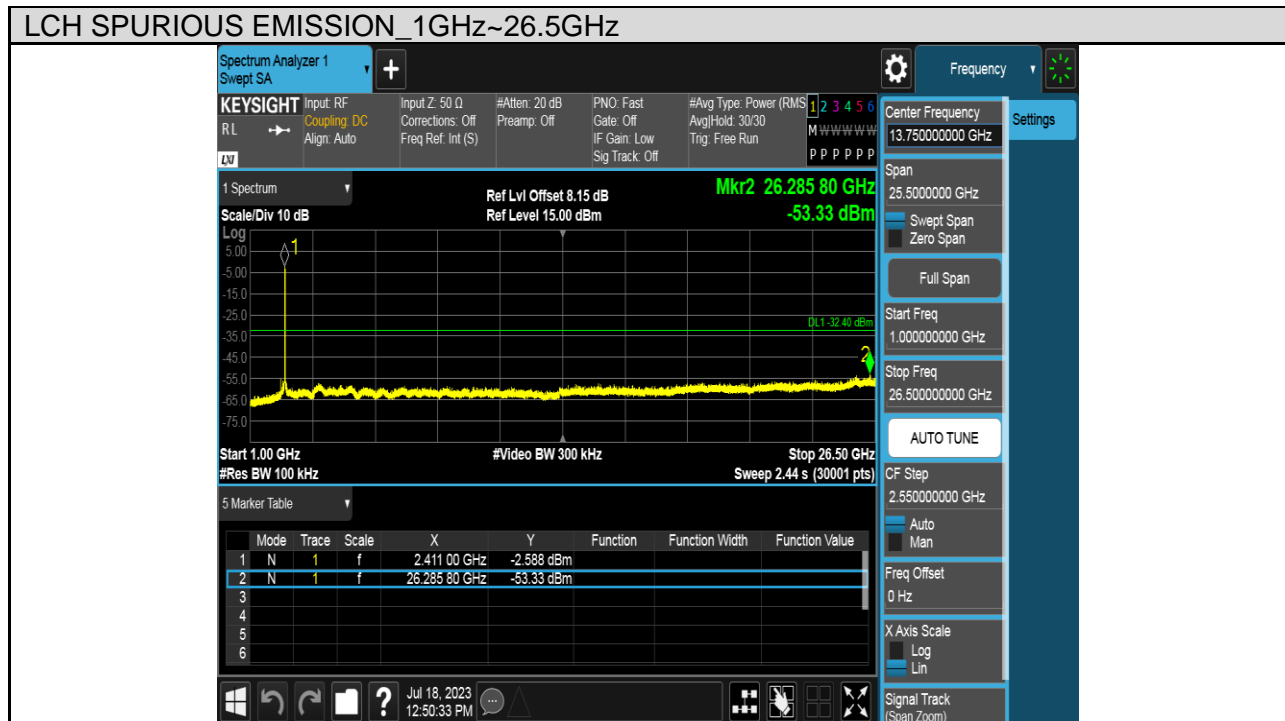
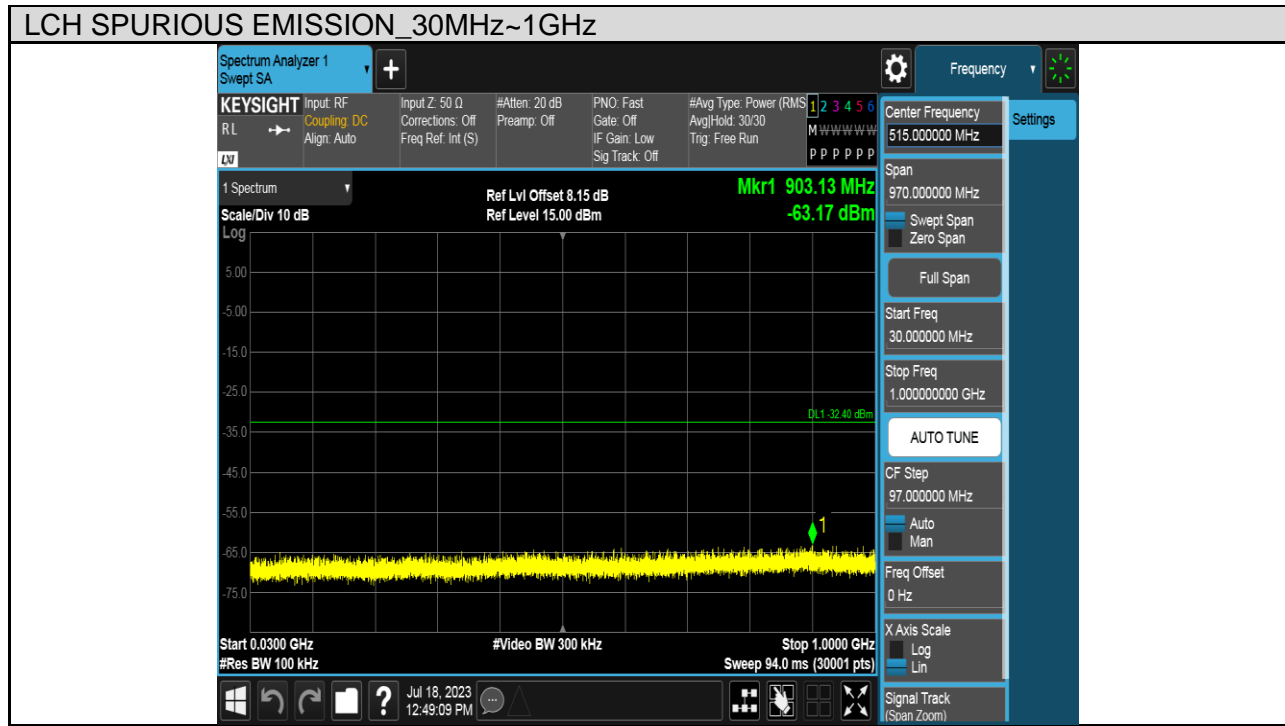
Test Mode	Channel	Verdict
11G	MCH	PASS



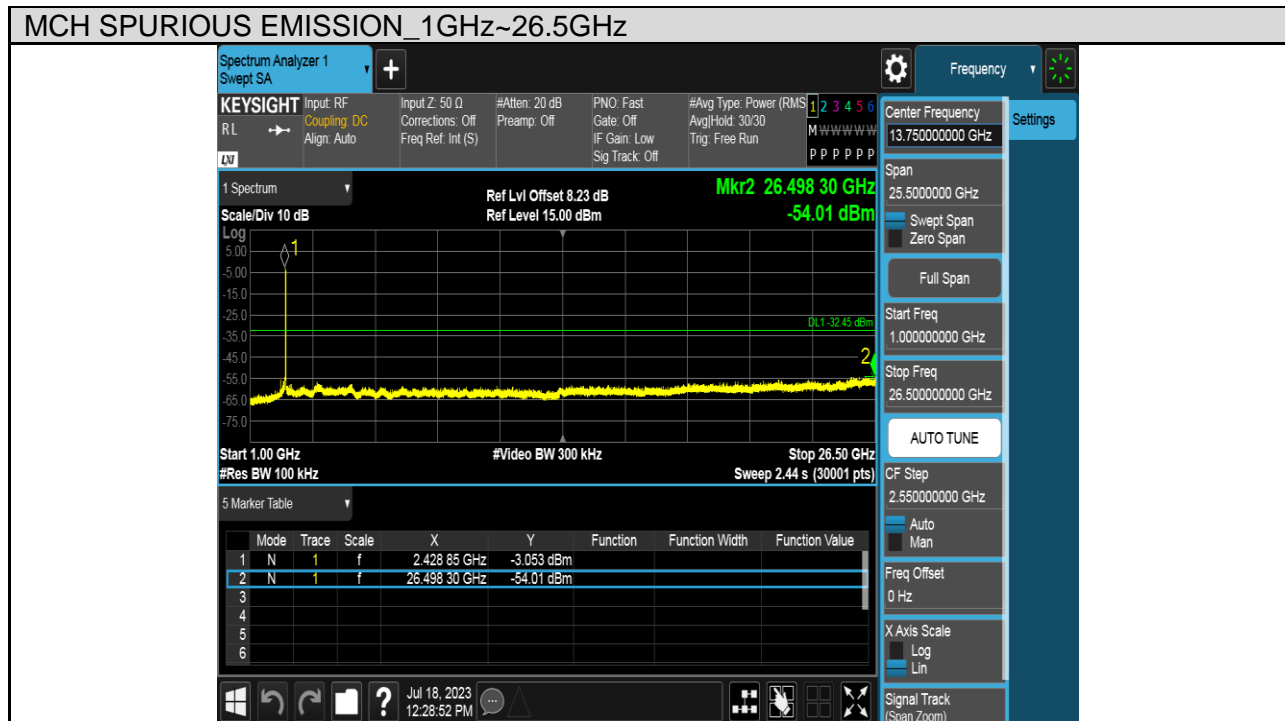
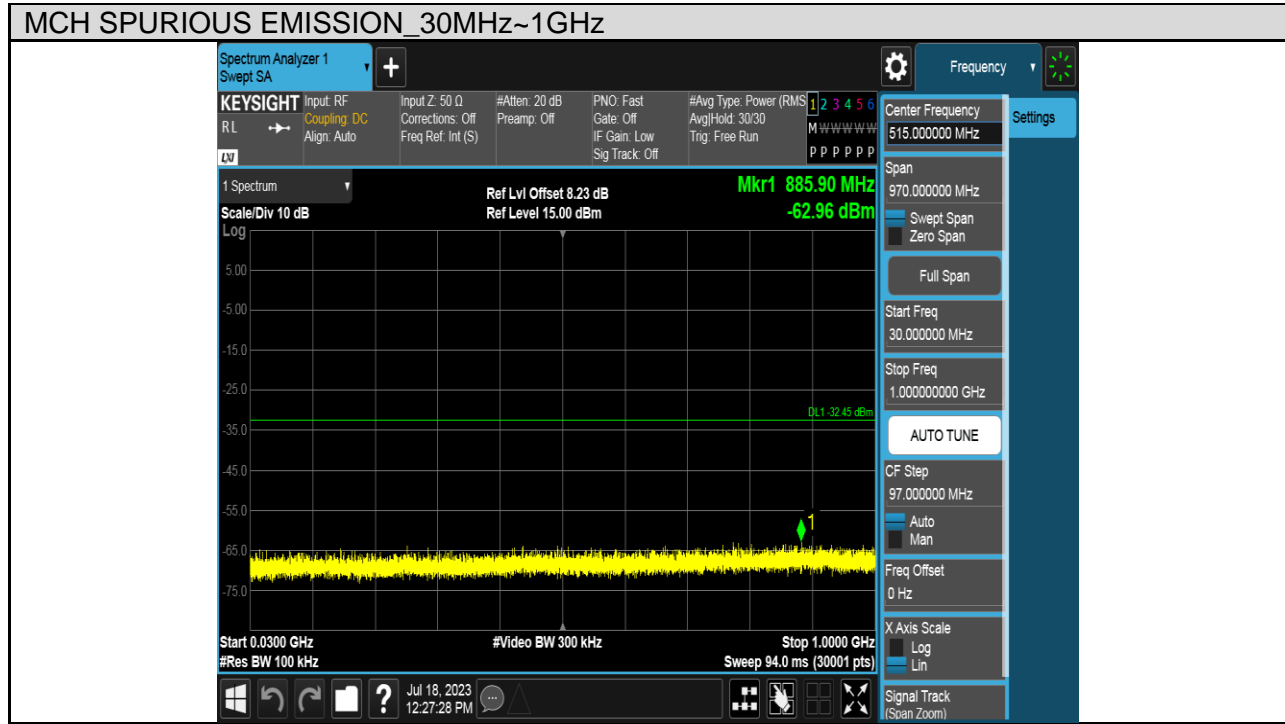
Test Mode	Channel	Verdict
11G	HCH	PASS



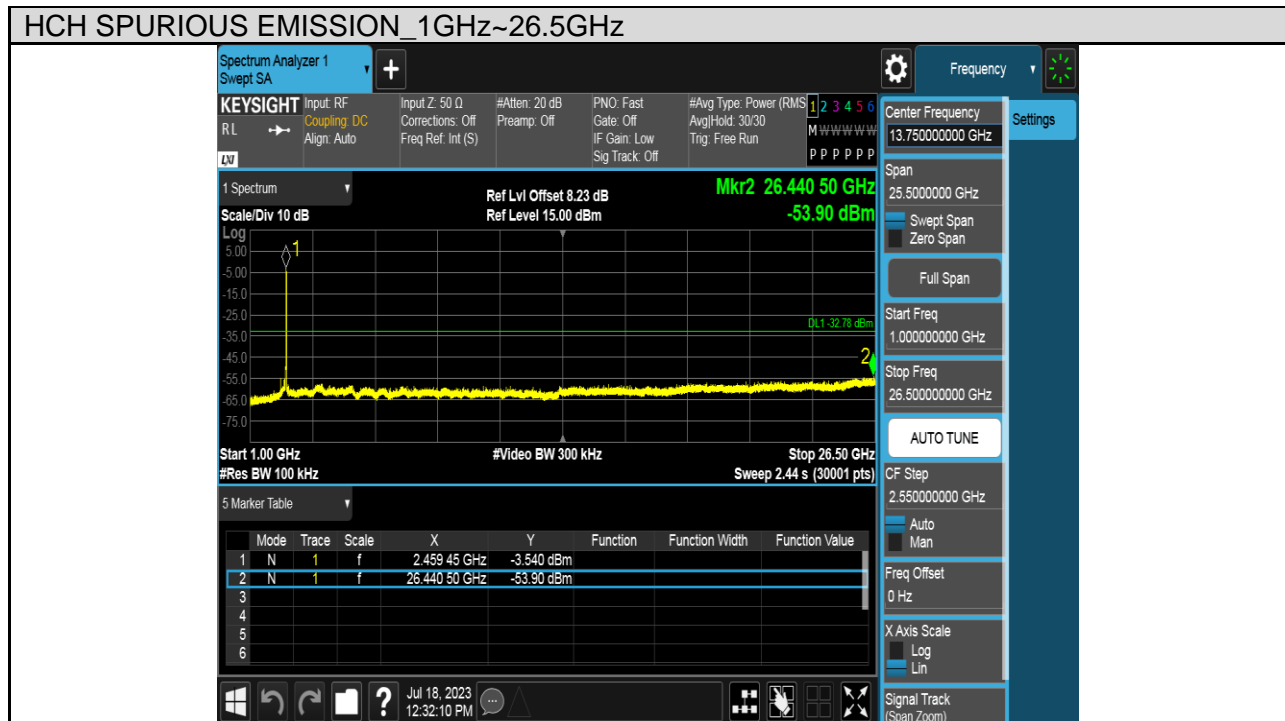
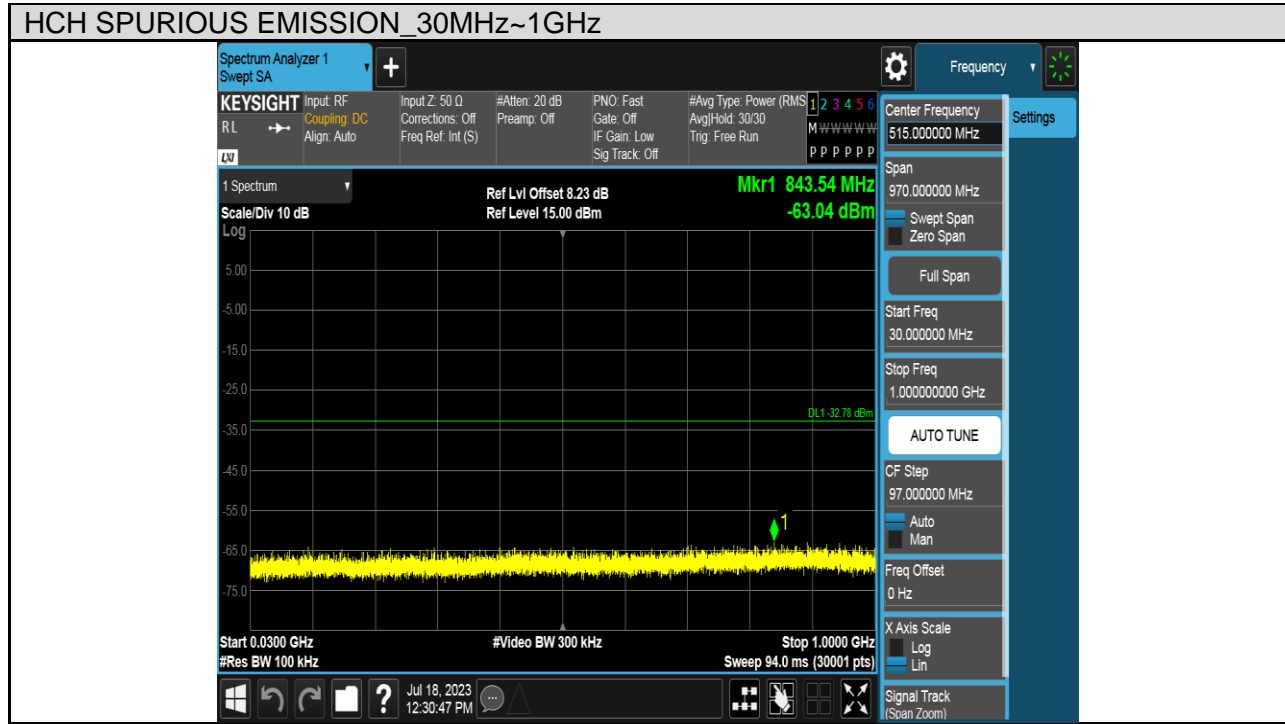
Test Mode	Channel	Verdict
11N HT20	LCH	PASS



Test Mode	Channel	Verdict
11N HT20	MCH	PASS



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

Please refer to FCC KDB 558074

Radiation Disturbance Test Limit for FCC (Class B) (9Hz-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

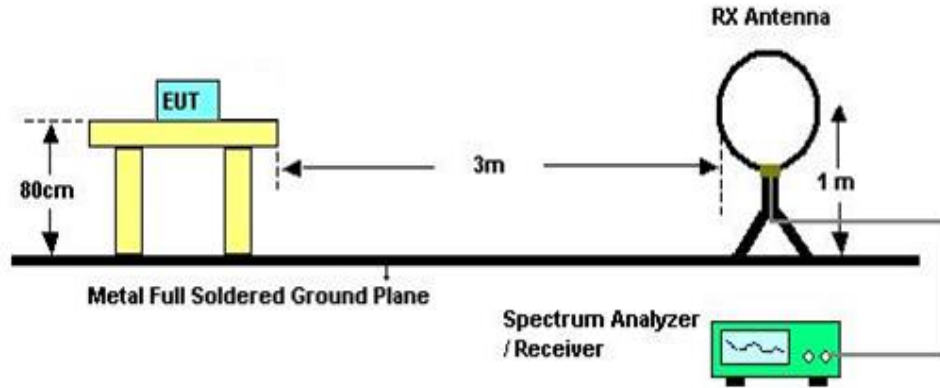
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
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



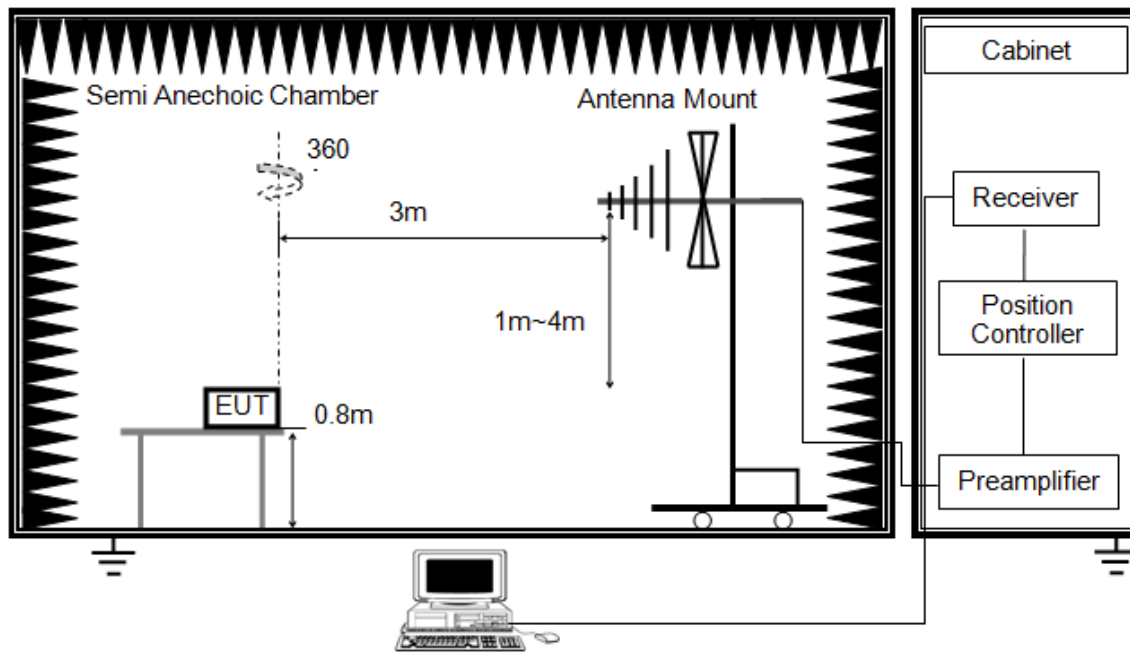
The setting of the spectrum analyser

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

1. The testing follows the guidelines in ANSI C63.10-2013
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 0.8 meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector
6. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
7. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)



Below 1G

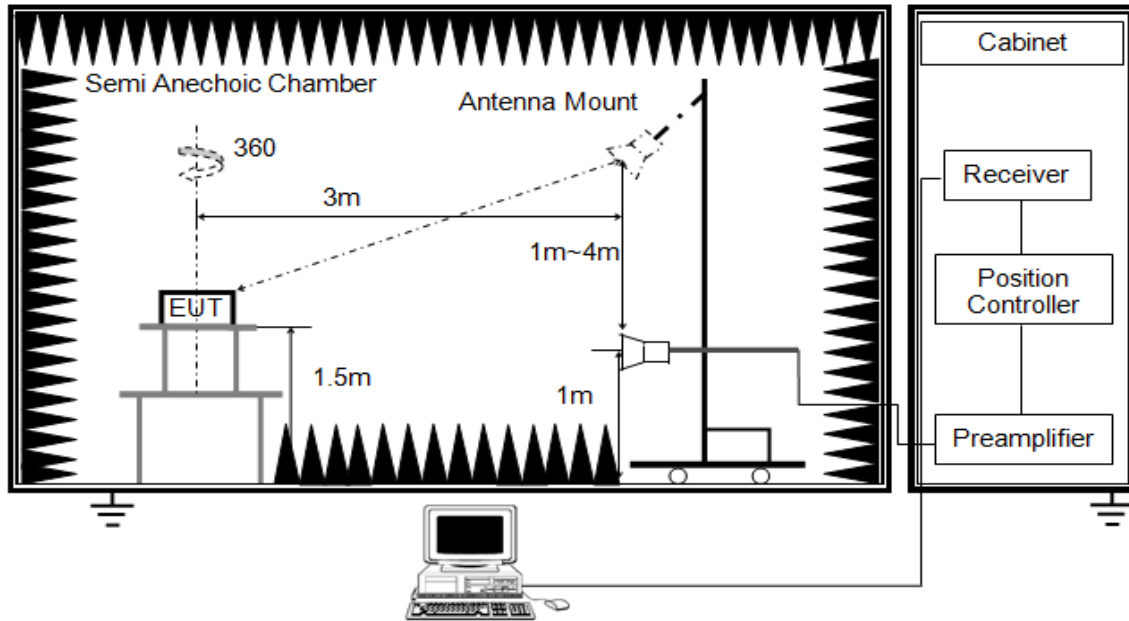


The setting of the spectrum analyser

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

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 0.8 meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
6. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)

Above 1G

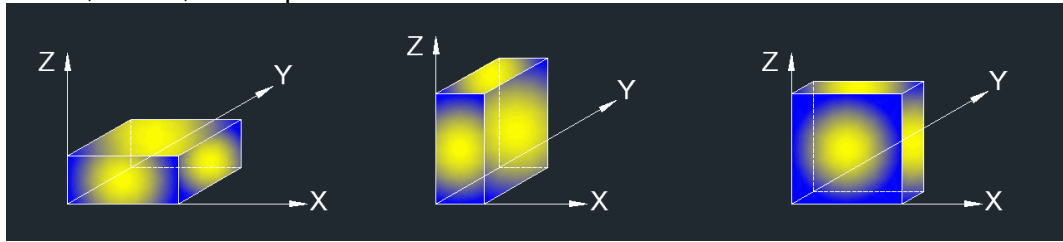


The setting of the spectrum analyser

RBW	1M
VBW	PEAK:3M AVG: See note6
Sweep	Auto
Detector	Peak
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  $[50 \cdot (1/\text{Duty Cycle})]$  traces for average measurements. For the Duty Cycle need to refer the results in section 7.1.
7. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)

X axis, Y axis, Z axis positions:



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

## 8.2. TEST ENVIRONMENT

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

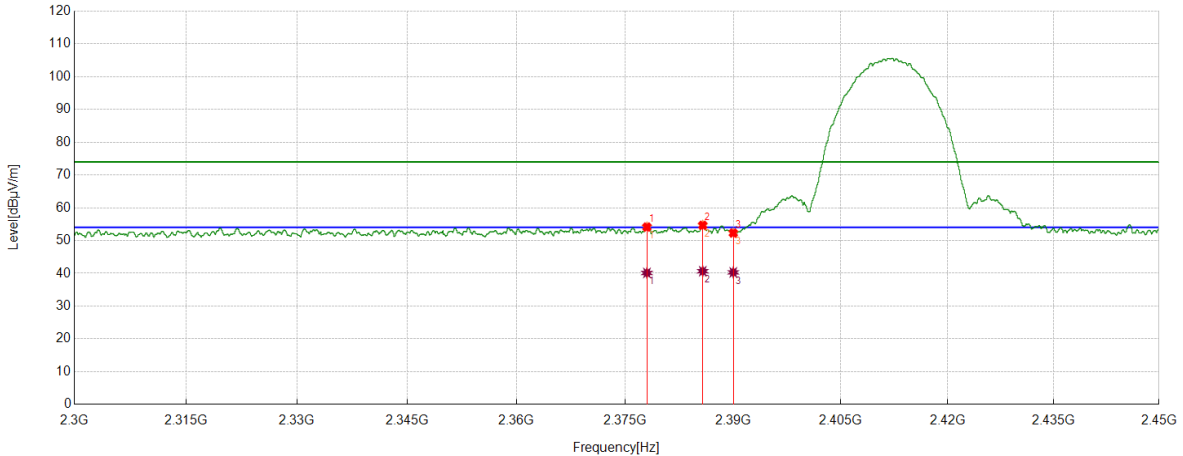
## 8.3. RESTRICTED BANDEDGE

### 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:**

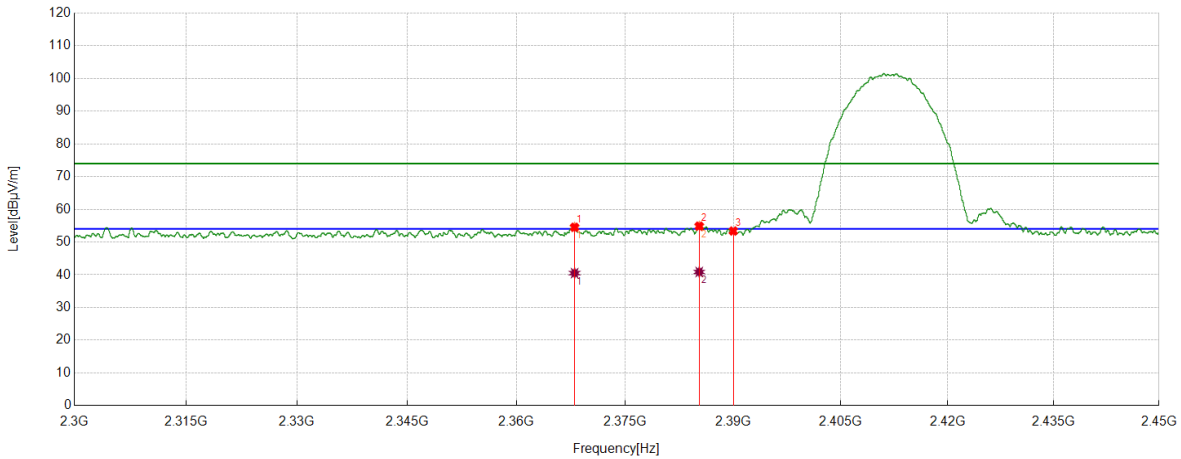
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2378.0098	43.86	10.26	54.12	74.00	-19.88	Horizontal
2	2385.7545	44.32	10.33	54.65	74.00	-19.35	Horizontal
3	2390.0000	41.94	10.35	52.29	74.00	-21.71	Horizontal

**AV Result:**

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2378.0098	29.86	10.26	40.12	54.00	-13.88	Horizontal
2	2385.7545	30.32	10.33	40.65	54.00	-13.35	Horizontal
3	2390.0000	29.94	10.35	40.29	54.00	-13.71	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:

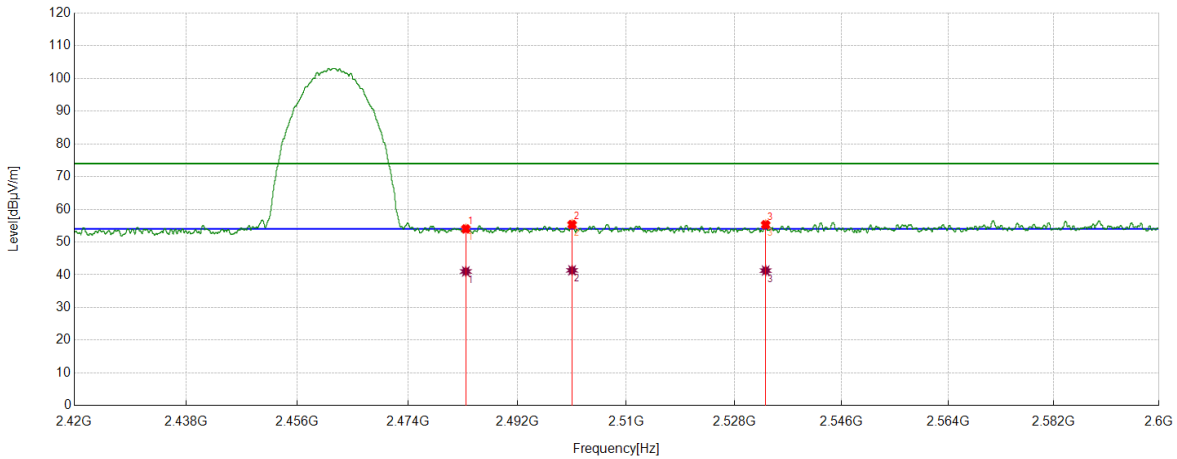
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2368.0148	44.44	10.07	54.51	74.00	-19.49	Vertical
2	2385.2669	44.53	10.33	54.86	74.00	-19.14	Vertical
3	2390.0000	43.02	10.35	53.37	74.00	-20.63	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2368.0148	30.44	10.07	40.51	54.00	-13.49	Vertical
2	2385.2669	30.53	10.33	40.86	54.00	-13.14	Vertical

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

Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



PK Result:

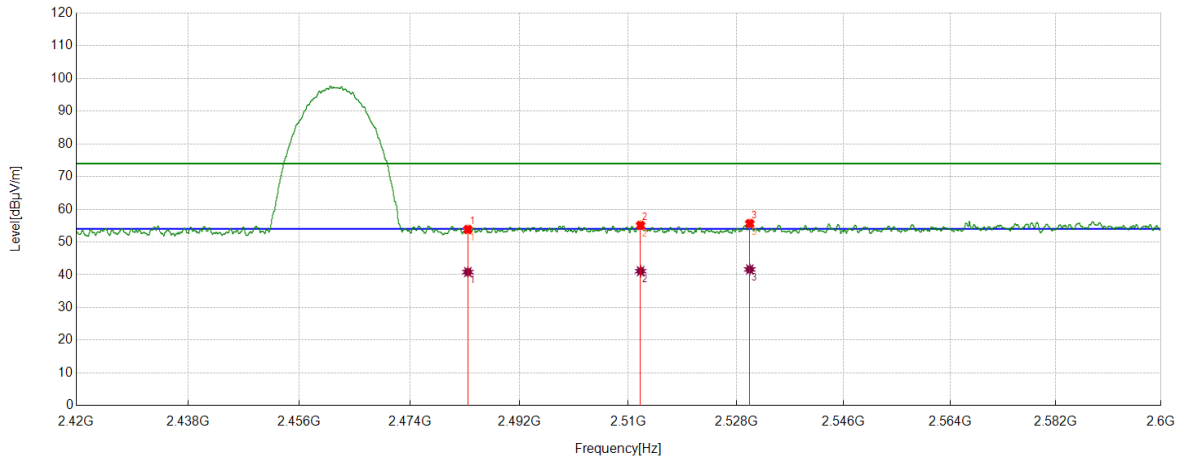
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	43.38	10.64	54.02	74.00	-19.98	Horizontal
2	2501.0101	44.59	10.77	55.36	74.00	-18.64	Horizontal
3	2533.2342	43.97	11.33	55.30	74.00	-18.70	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	30.38	10.64	41.02	54.00	-12.98	Horizontal
2	2501.0101	30.59	10.77	41.36	54.00	-12.64	Horizontal
3	2533.2342	29.95	11.33	41.28	54.00	-12.72	Horizontal

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

Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	43.20	10.64	53.84	74.00	-20.16	Vertical
2	2512.0365	44.02	11.08	55.10	74.00	-18.90	Vertical
3	2530.2413	44.32	11.34	55.66	74.00	-18.34	Vertical

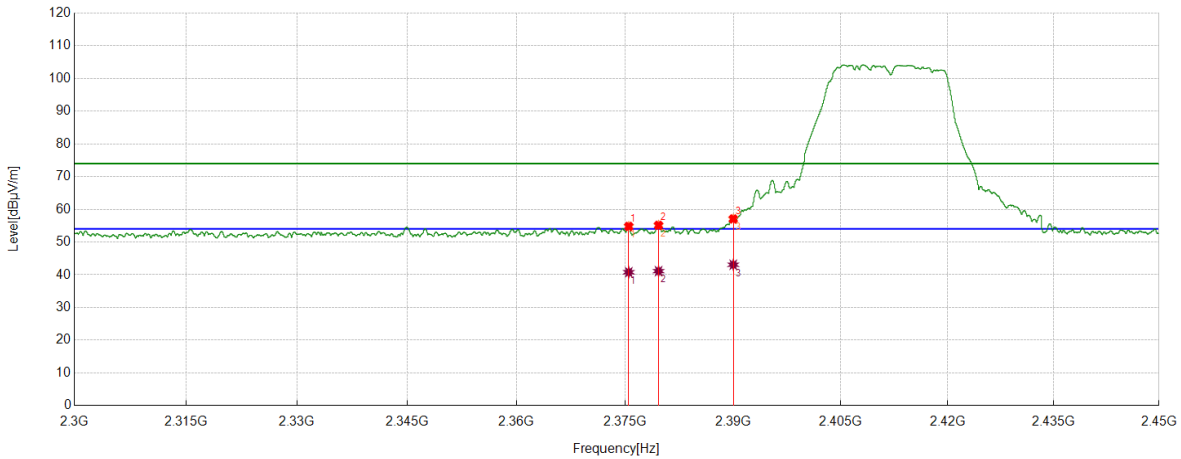
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	30.20	10.64	40.84	54.00	-13.16	Vertical
2	2512.0365	30.02	11.08	41.10	54.00	-12.90	Vertical
3	2530.2413	30.30	11.34	41.64	54.00	-12.36	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:

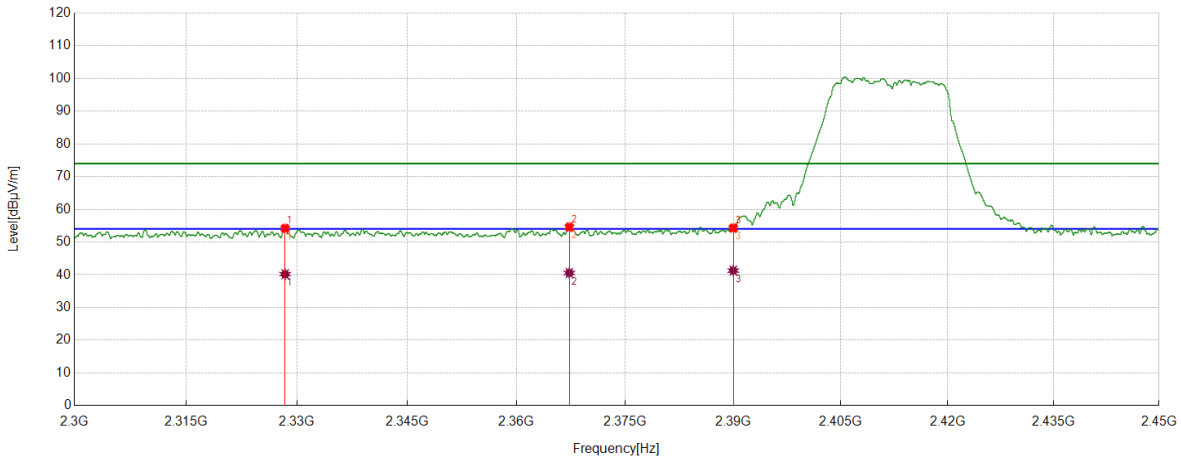
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2375.4969	44.56	10.22	54.78	74.00	-19.22	Horizontal
2	2379.6225	44.82	10.29	55.11	74.00	-18.89	Horizontal
3	2390.0000	46.72	10.35	57.07	74.00	-16.93	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2375.4969	30.56	10.22	40.78	54.00	-13.22	Horizontal
2	2379.6225	30.82	10.29	41.11	54.00	-12.89	Horizontal
3	2390.0000	32.72	10.35	43.07	54.00	-10.93	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:

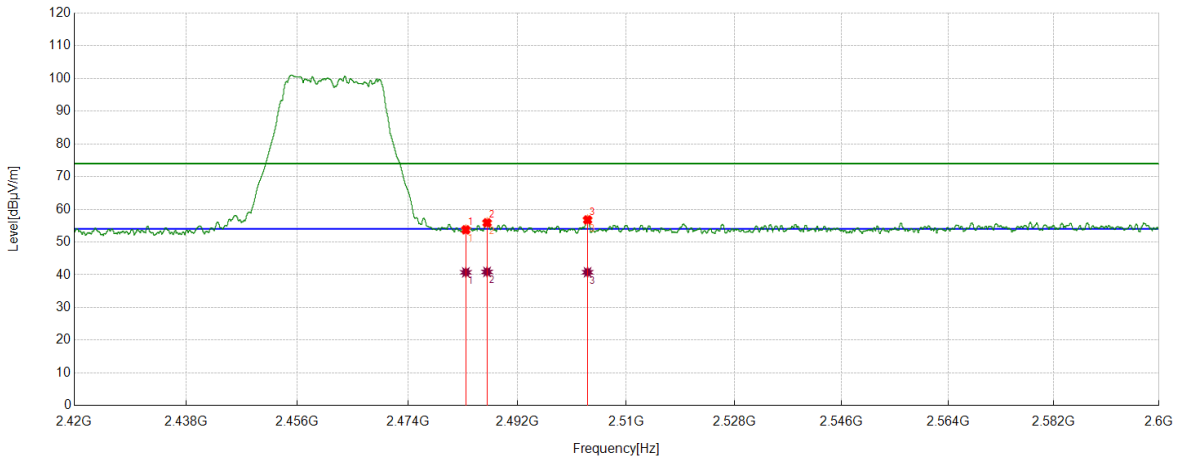
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2328.4286	44.42	9.76	54.18	74.00	-19.82	Vertical
2	2367.2834	44.50	10.06	54.56	74.00	-19.44	Vertical
3	2390.0000	43.93	10.35	54.28	74.00	-19.72	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2328.4286	30.42	9.76	40.18	54.00	-13.82	Vertical
2	2367.2834	30.50	10.06	40.56	54.00	-13.44	Vertical
3	2390.0000	30.93	10.35	41.28	54.00	-12.72	Vertical

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

Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS



PK Result:

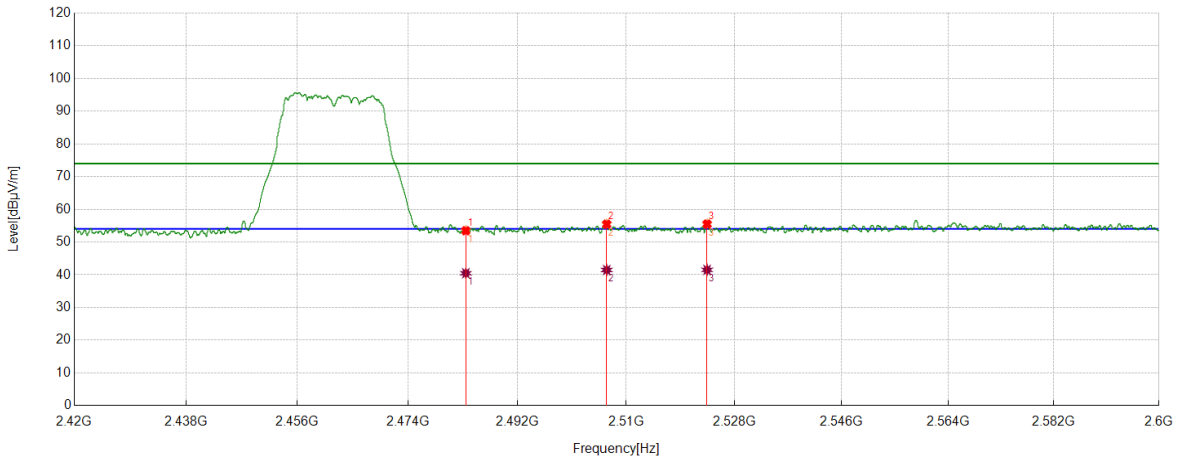
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	43.10	10.64	53.74	74.00	-20.26	Horizontal
2	2486.9909	45.16	10.72	55.88	74.00	-18.12	Horizontal
3	2503.5754	45.90	10.87	56.77	74.00	-17.23	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	30.10	10.64	40.74	54.00	-13.26	Horizontal
2	2486.9909	30.16	10.72	40.88	54.00	-13.12	Horizontal
3	2503.5754	29.90	10.87	40.77	54.00	-13.23	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:

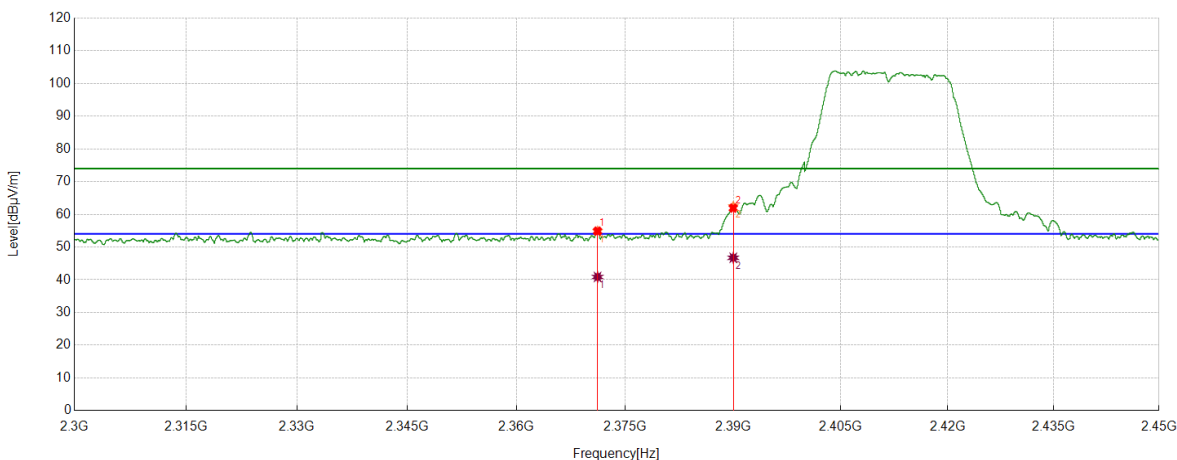
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	42.83	10.64	53.47	74.00	-20.53	Vertical
2	2506.7483	44.48	10.98	55.46	74.00	-18.54	Vertical
3	2523.4454	44.38	11.12	55.50	74.00	-18.50	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	29.83	10.64	40.47	54.00	-13.53	Vertical
2	2506.7483	30.48	10.98	41.46	54.00	-12.54	Vertical
3	2523.4454	30.38	11.12	41.50	54.00	-12.50	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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2371.1839	44.73	10.14	54.87	74.00	-19.13	Horizontal
2	2390.0000	51.55	10.35	61.90	74.00	-12.10	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2371.1839	30.73	10.14	40.87	54.00	-13.13	Horizontal
2	2390	36.38	10.35	46.73	54.00	-7.27	Horizontal

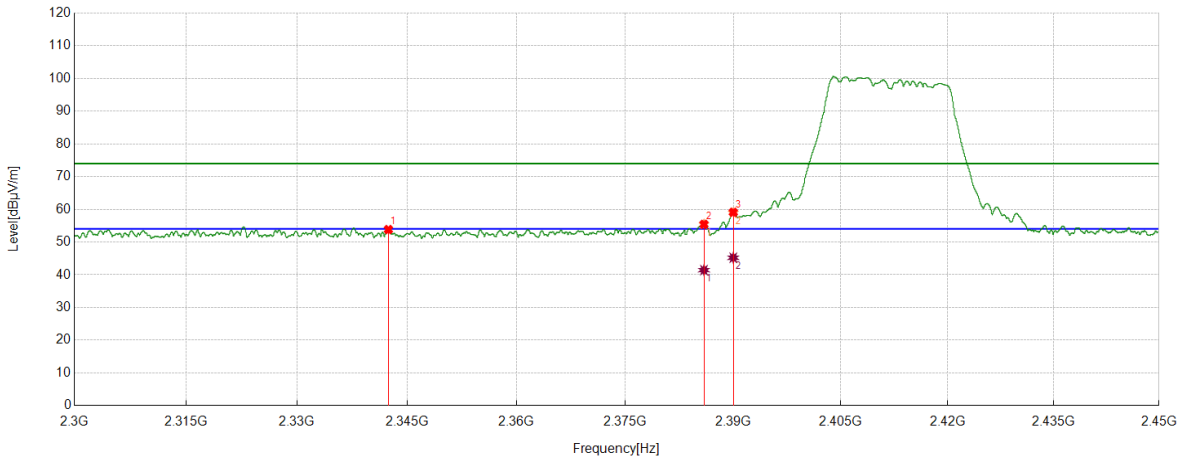
Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.

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:

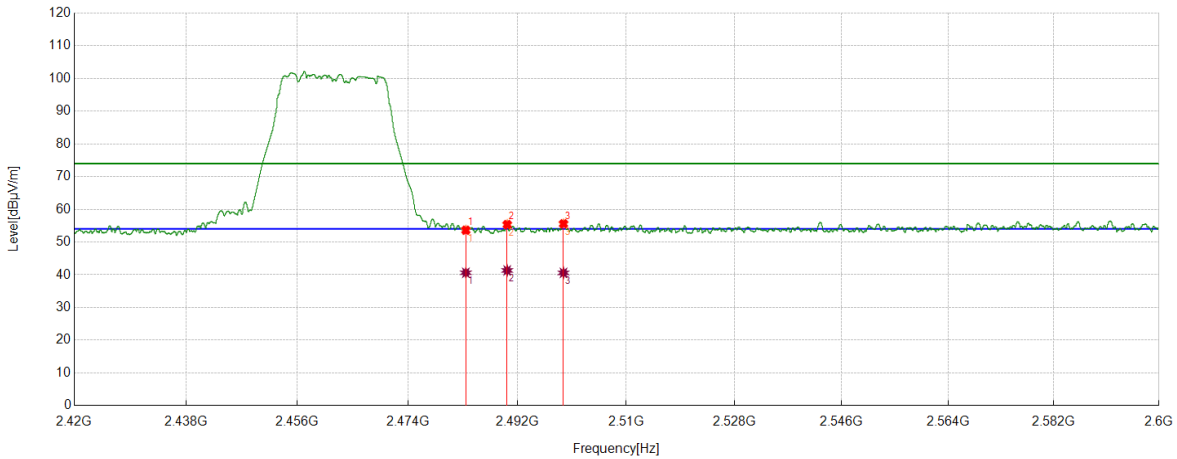
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2342.4741	43.97	9.85	53.82	74.00	-20.18	Vertical
2	2385.9232	45.09	10.33	55.42	74.00	-18.58	Vertical
3	2390.0000	48.75	10.35	59.10	74.00	-14.90	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2385.9232	31.09	10.33	41.42	54.00	-12.58	Vertical
2	2390	34.86	10.35	45.21	54.00	-8.79	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.

Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS



PK Result:

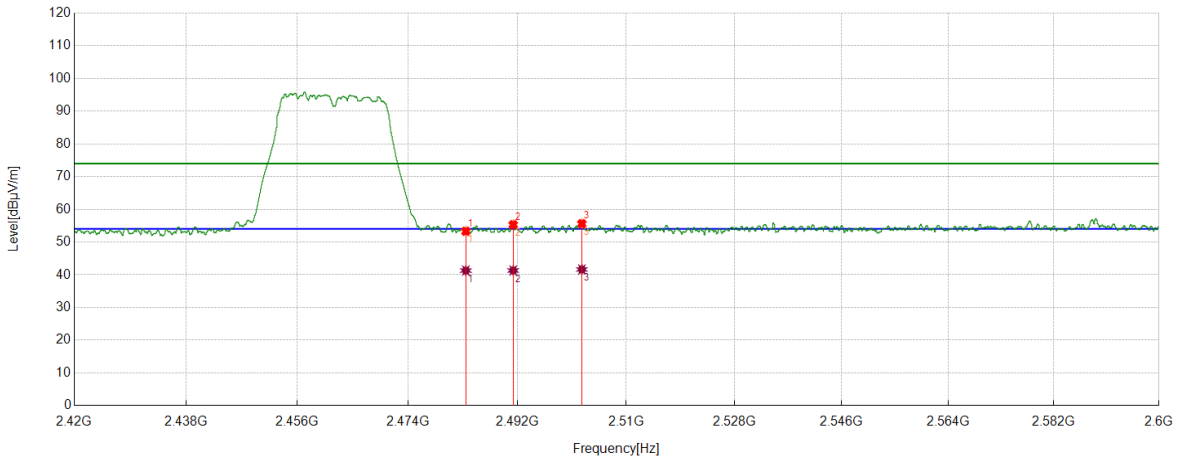
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	42.98	10.64	53.62	74.00	-20.38	Horizontal
2	2490.2988	44.56	10.79	55.35	74.00	-18.65	Horizontal
3	2499.5924	44.85	10.73	55.58	74.00	-18.42	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	29.98	10.64	40.62	54.00	-13.38	Horizontal
2	2490.2988	30.54	10.79	41.33	54.00	-12.67	Horizontal
3	2499.5924	29.85	10.73	40.58	54.00	-13.42	Horizontal

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

Test Mode	Channel	Polarization	Verdict
11N HT20	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	42.65	10.64	53.29	74.00	-20.71	Vertical
2	2491.2889	44.53	10.78	55.31	74.00	-18.69	Vertical
3	2502.6303	44.79	10.83	55.62	74.00	-18.38	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	30.65	10.64	41.29	54.00	-12.71	Vertical
2	2491.2889	30.53	10.78	41.31	54.00	-12.69	Vertical
3	2502.6303	30.79	10.83	41.62	54.00	-12.38	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

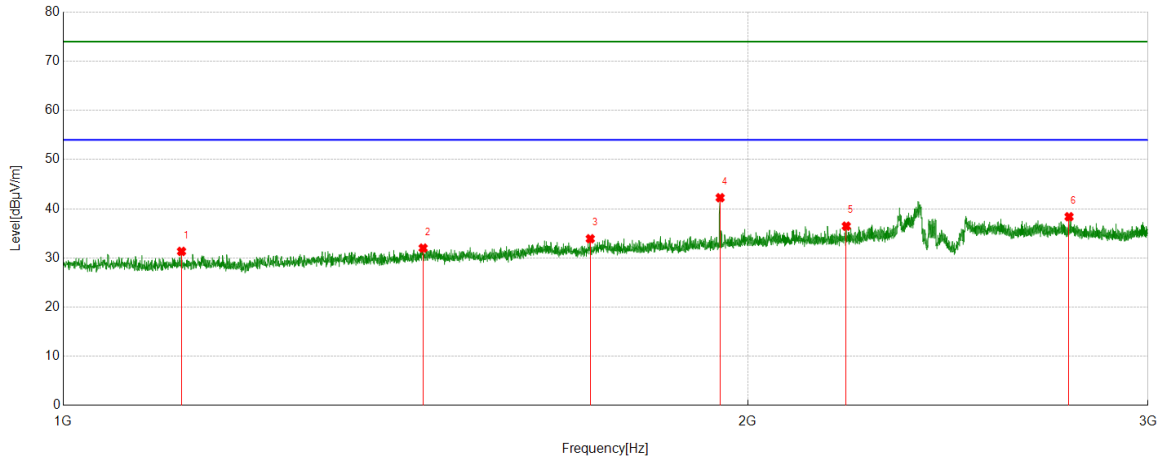
Remark:

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~3GHz**

**HARMONICS AND SPURIOUS EMISSIONS**

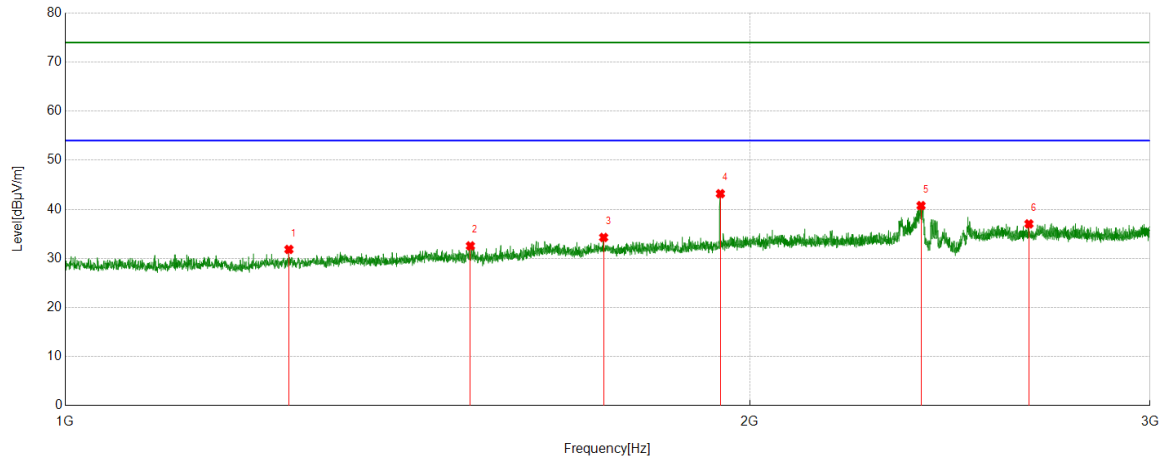
Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1127.2659	52.80	-21.47	31.33	74.00	-42.67	Horizontal
2	1439.805	51.75	-19.75	32.00	74.00	-42.00	Horizontal
3	1705.3382	51.68	-17.78	33.90	74.00	-40.10	Horizontal
4	1945.1181	59.19	-16.95	42.24	74.00	-31.76	Horizontal
5	2210.1513	52.17	-15.70	36.47	74.00	-37.53	Horizontal
6	2769.4712	51.34	-12.96	38.38	74.00	-35.62	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 3GHz 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.

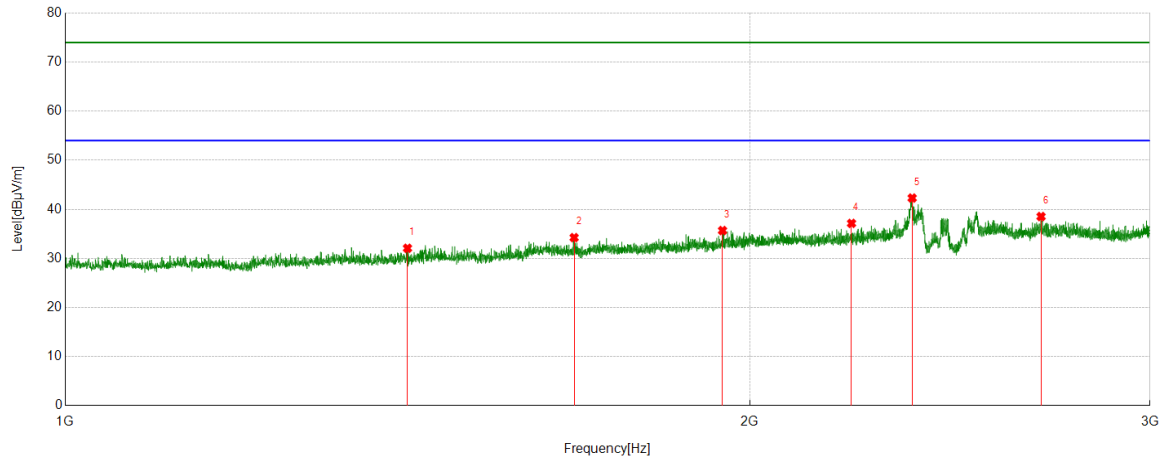
Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1254.2818	52.60	-20.77	31.83	74.00	-42.17	Vertical
2	1507.3134	52.16	-19.61	32.55	74.00	-41.45	Vertical
3	1725.0906	52.29	-18.02	34.27	74.00	-39.73	Vertical
4	1941.6177	60.20	-17.02	43.18	74.00	-30.82	Vertical
5	2379.1724	54.99	-14.24	40.75	74.00	-33.25	Vertical
6	2653.9567	50.24	-13.21	37.03	74.00	-36.97	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 3GHz 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.

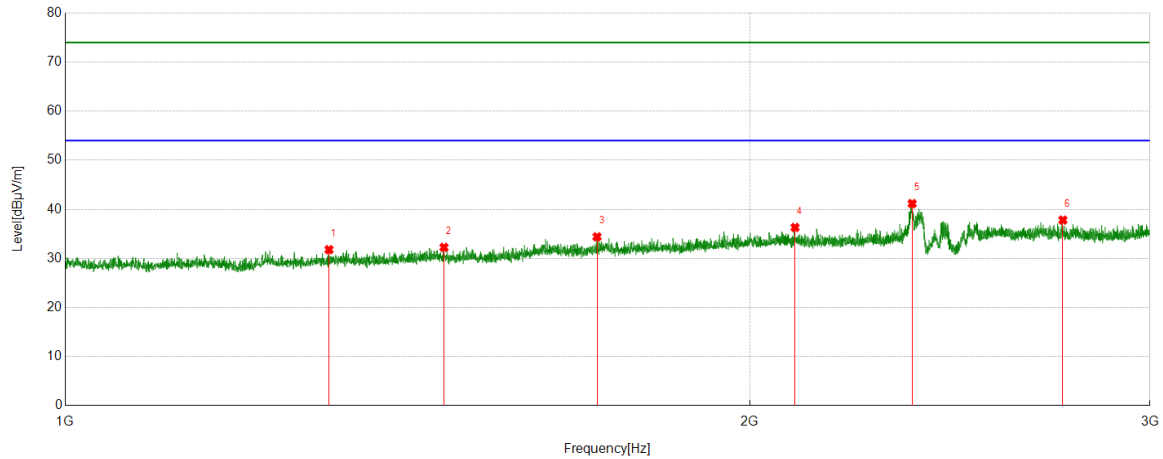
Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1414.3018	52.29	-20.22	32.07	74.00	-41.93	Horizontal
2	1674.3343	52.36	-18.12	34.24	74.00	-39.76	Horizontal
3	1945.8682	52.61	-16.93	35.68	74.00	-38.32	Horizontal
4	2217.4022	52.57	-15.43	37.14	74.00	-36.86	Horizontal
5	2357.9197	57.09	-14.79	42.30	74.00	-31.70	Horizontal
6	2686.7108	51.32	-12.79	38.53	74.00	-35.47	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 3GHz 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.

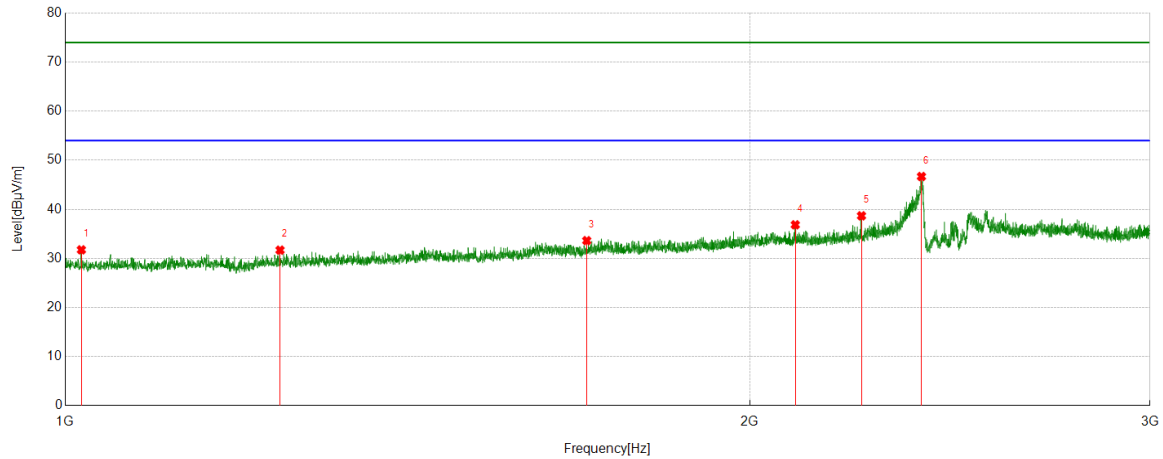
Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1306.2883	52.23	-20.44	31.79	74.00	-42.21	Vertical
2	1467.5584	52.02	-19.77	32.25	74.00	-41.75	Vertical
3	1713.5892	52.41	-18.01	34.40	74.00	-39.60	Vertical
4	2094.1368	52.27	-15.96	36.31	74.00	-37.69	Vertical
5	2357.9197	55.96	-14.79	41.17	74.00	-32.83	Vertical
6	2746.7183	50.48	-12.67	37.81	74.00	-36.19	Vertical

- Note: 1. Measurement = Reading Level + Correct Factor,  
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

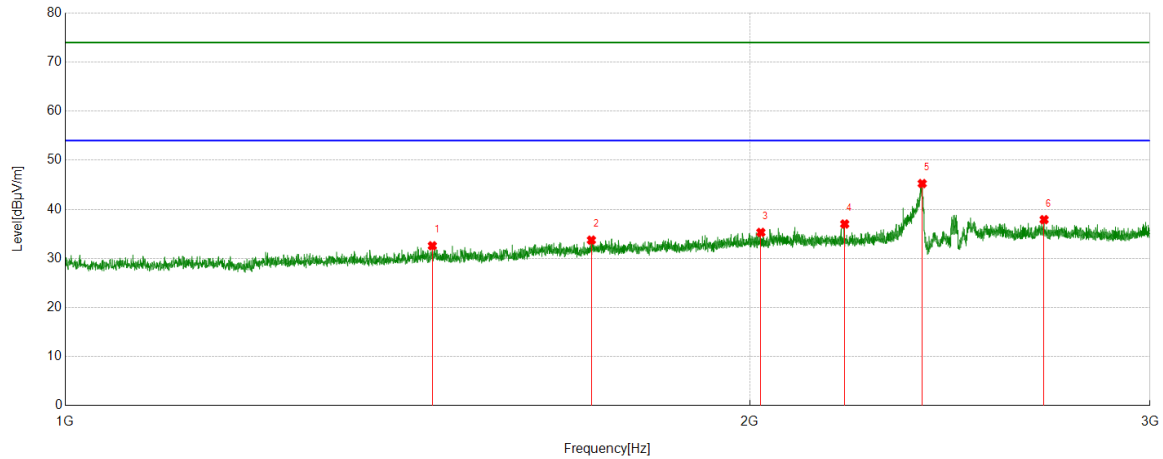
Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1016.5021	53.53	-21.78	31.75	74.00	-42.25	Horizontal
2	1243.0304	52.63	-20.94	31.69	74.00	-42.31	Horizontal
3	1695.837	51.37	-17.75	33.62	74.00	-40.38	Horizontal
4	2094.6368	52.79	-15.94	36.85	74.00	-37.15	Horizontal
5	2239.905	53.74	-15.06	38.68	74.00	-35.32	Horizontal
6	2380.1725	60.91	-14.22	46.69	74.00	-27.31	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 3GHz 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.

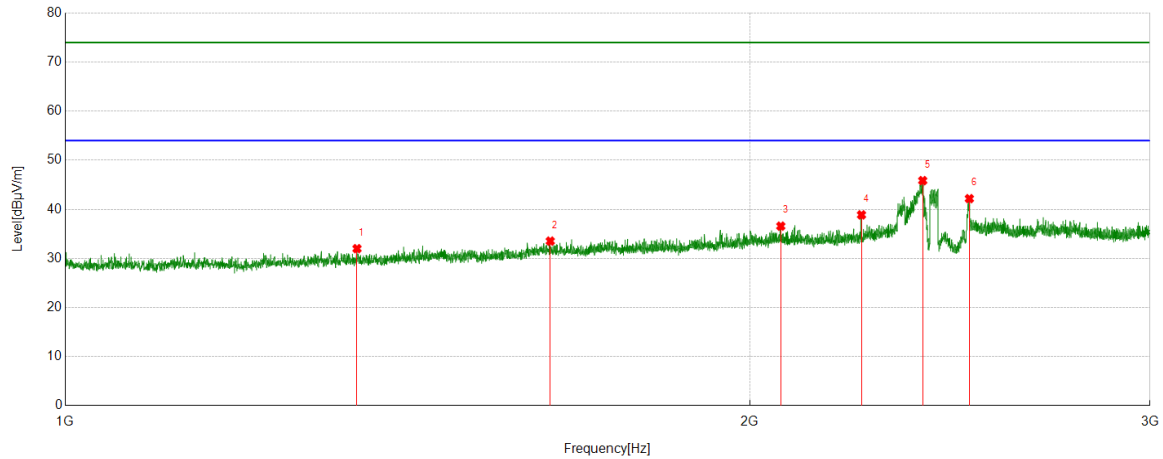
Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1450.3063	52.13	-19.56	32.57	74.00	-41.43	Vertical
2	1703.838	51.45	-17.72	33.73	74.00	-40.27	Vertical
3	2022.8779	51.51	-16.21	35.30	74.00	-38.70	Vertical
4	2202.1503	52.90	-15.89	37.01	74.00	-36.99	Vertical
5	2381.9227	59.47	-14.22	45.25	74.00	-28.75	Vertical
6	2694.9619	50.70	-12.80	37.90	74.00	-36.10	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 3GHz 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

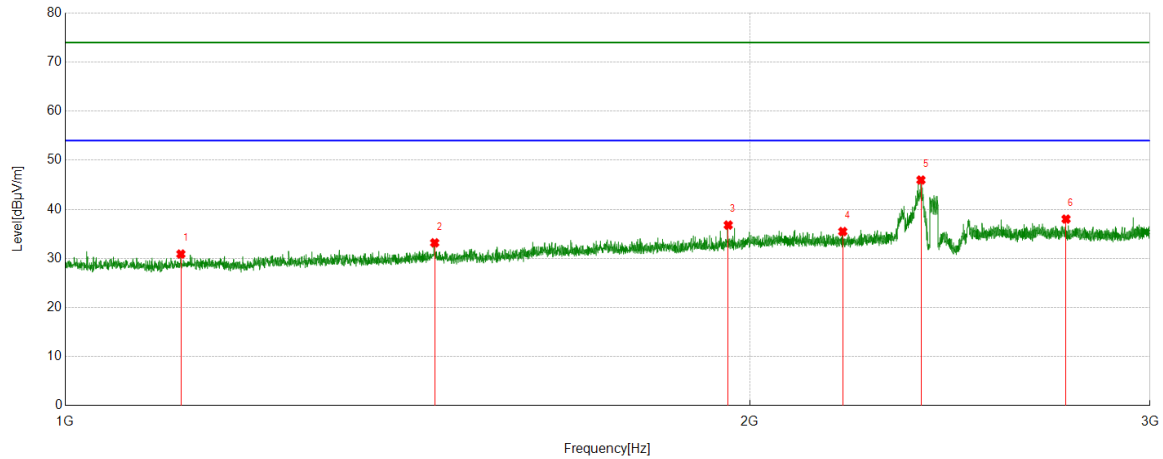


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1343.793	52.62	-20.63	31.99	74.00	-42.01	Horizontal
2	1634.3293	51.98	-18.45	33.53	74.00	-40.47	Horizontal
3	2064.133	52.61	-16.03	36.58	74.00	-37.42	Horizontal
4	2239.905	53.93	-15.06	38.87	74.00	-35.13	Horizontal
5	2383.1729	60.08	-14.23	45.85	74.00	-28.15	Horizontal
6	2498.4373	55.61	-13.43	42.18	74.00	-31.82	Horizontal

- Note: 1. Measurement = Reading Level + Correct Factor,  
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. For below 3GHz 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.



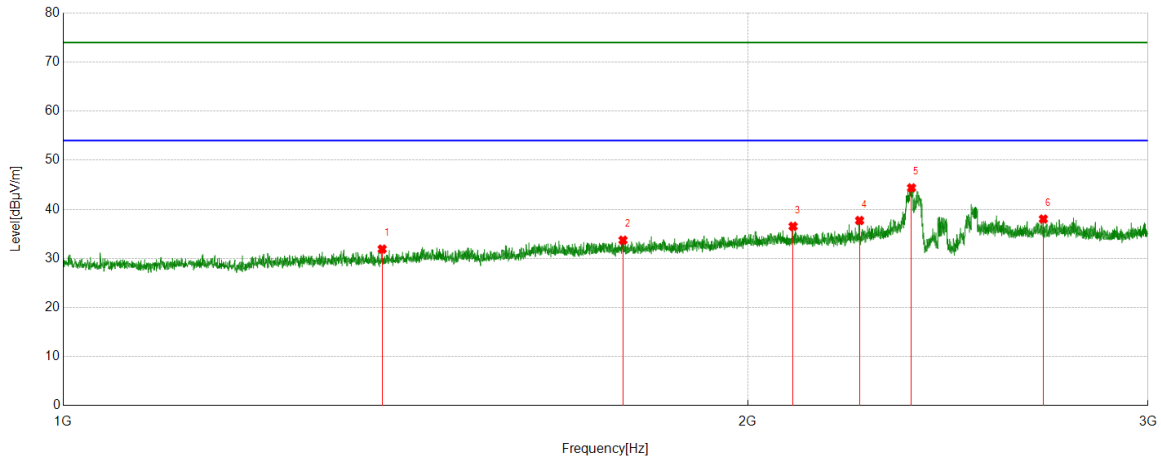
Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1124.2655	52.32	-21.43	30.89	74.00	-43.11	Vertical
2	1453.8067	52.77	-19.59	33.18	74.00	-40.82	Vertical
3	1957.1196	53.48	-16.69	36.79	74.00	-37.21	Vertical
4	2197.8997	51.42	-15.95	35.47	74.00	-38.53	Vertical
5	2378.9224	60.21	-14.24	45.97	74.00	-28.03	Vertical
6	2755.4694	50.77	-12.76	38.01	74.00	-35.99	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 3GHz 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.

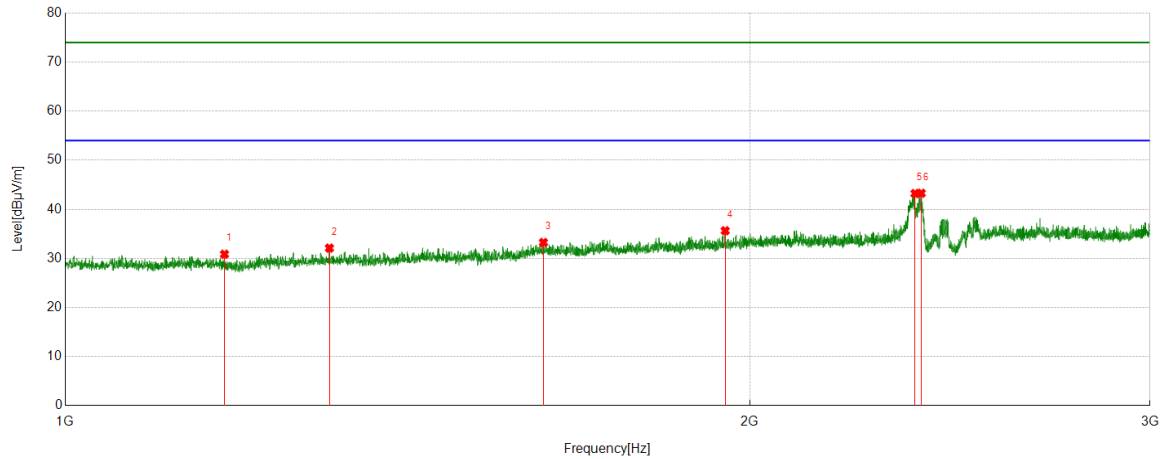
Test Mode	Channel	Polarization	Verdict
11G	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1381.2977	52.47	-20.58	31.89	74.00	-42.11	Horizontal
2	1762.8454	51.78	-18.07	33.71	74.00	-40.29	Horizontal
3	2094.1368	52.49	-15.96	36.53	74.00	-37.47	Horizontal
4	2240.155	52.78	-15.06	37.72	74.00	-36.28	Horizontal
5	2361.1701	59.12	-14.75	44.37	74.00	-29.63	Horizontal
6	2698.4623	50.87	-12.85	38.02	74.00	-35.98	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

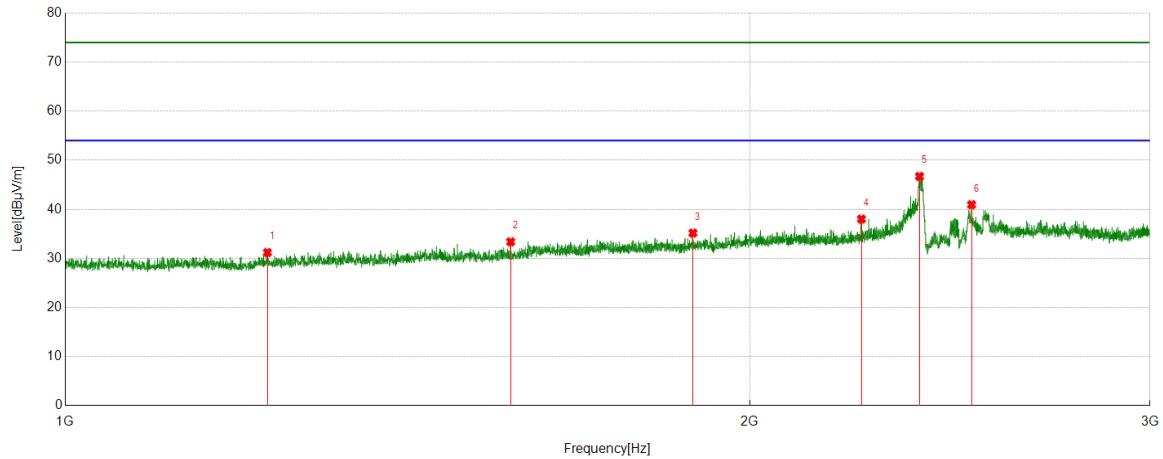
Test Mode	Channel	Polarization	Verdict
11G	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1175.0219	52.52	-21.66	30.86	74.00	-43.14	Vertical
2	1306.7883	52.54	-20.44	32.10	74.00	-41.90	Vertical
3	1623.0779	51.87	-18.62	33.25	74.00	-40.75	Vertical
4	1951.1189	52.47	-16.83	35.64	74.00	-38.36	Vertical
5	2364.6706	57.84	-14.62	43.22	74.00	-30.78	Vertical
6	2379.6725	57.52	-14.23	43.29	74.00	-30.71	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 3GHz 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.

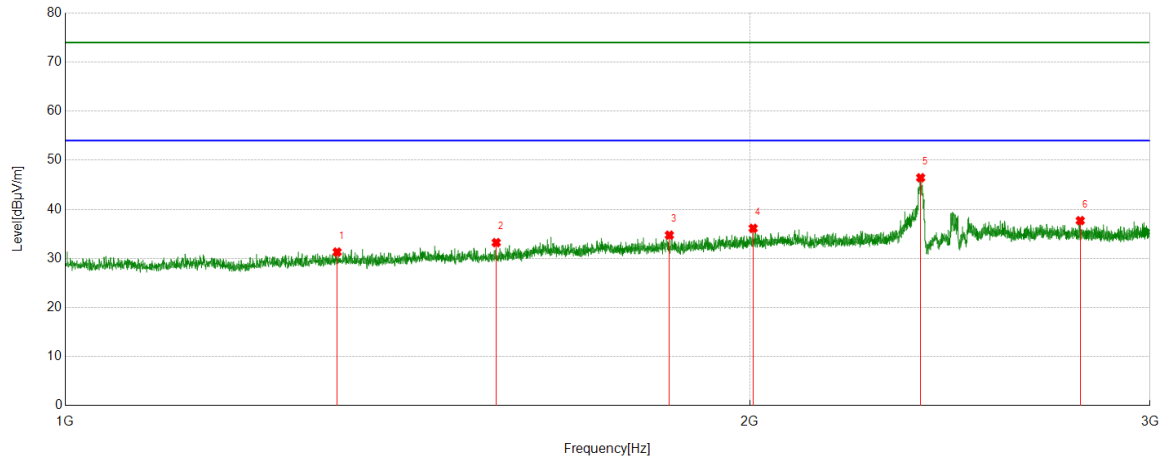
Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1227.2784	52.32	-21.12	31.20	74.00	-42.80	Horizontal
2	1570.0713	52.77	-19.38	33.39	74.00	-40.61	Horizontal
3	1888.361	52.27	-17.10	35.17	74.00	-38.83	Horizontal
4	2239.905	53.08	-15.06	38.02	74.00	-35.98	Horizontal
5	2375.4219	61.03	-14.32	46.71	74.00	-27.29	Horizontal
6	2504.188	54.41	-13.46	40.95	74.00	-33.05	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 3GHz 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.

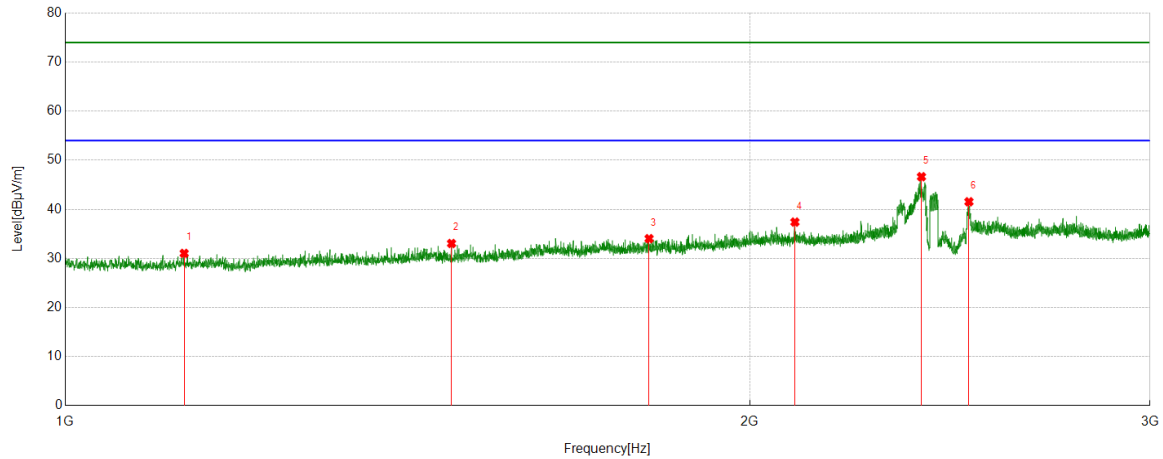
Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1317.0396	51.92	-20.62	31.30	74.00	-42.70	Vertical
2	1547.3184	52.59	-19.37	33.22	74.00	-40.78	Vertical
3	1843.8555	51.95	-17.21	34.74	74.00	-39.26	Vertical
4	2007.1259	52.38	-16.25	36.13	74.00	-37.87	Vertical
5	2378.1723	60.70	-14.26	46.44	74.00	-27.56	Vertical
6	2795.4744	50.59	-12.89	37.70	74.00	-36.30	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 3GHz 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.

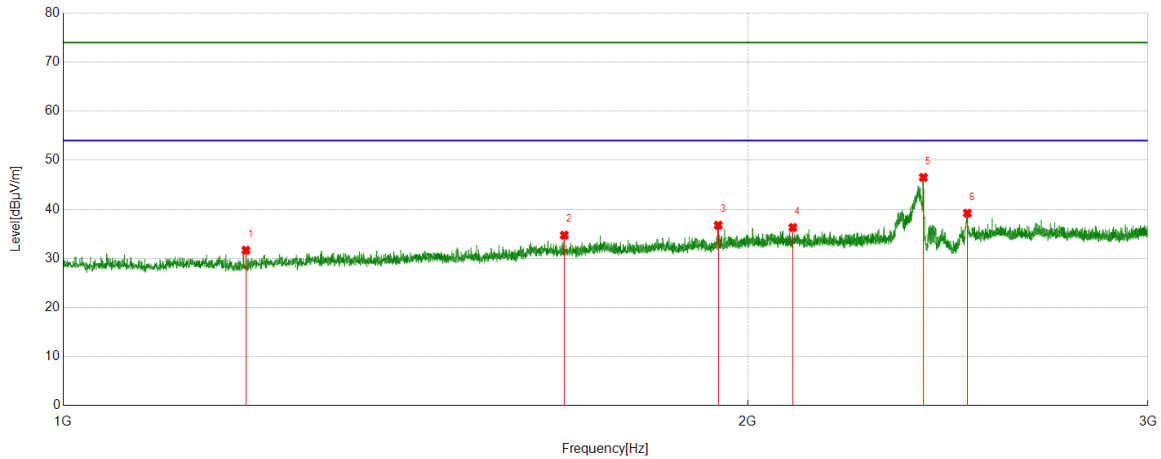
Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1128.016	52.51	-21.48	31.03	74.00	-42.97	Horizontal
2	1478.8099	52.84	-19.80	33.04	74.00	-40.96	Horizontal
3	1806.3508	51.59	-17.56	34.03	74.00	-39.97	Horizontal
4	2093.8867	53.37	-15.97	37.40	74.00	-36.60	Horizontal
5	2380.1725	60.86	-14.22	46.64	74.00	-27.36	Horizontal
6	2497.4372	54.98	-13.44	41.54	74.00	-32.46	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. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

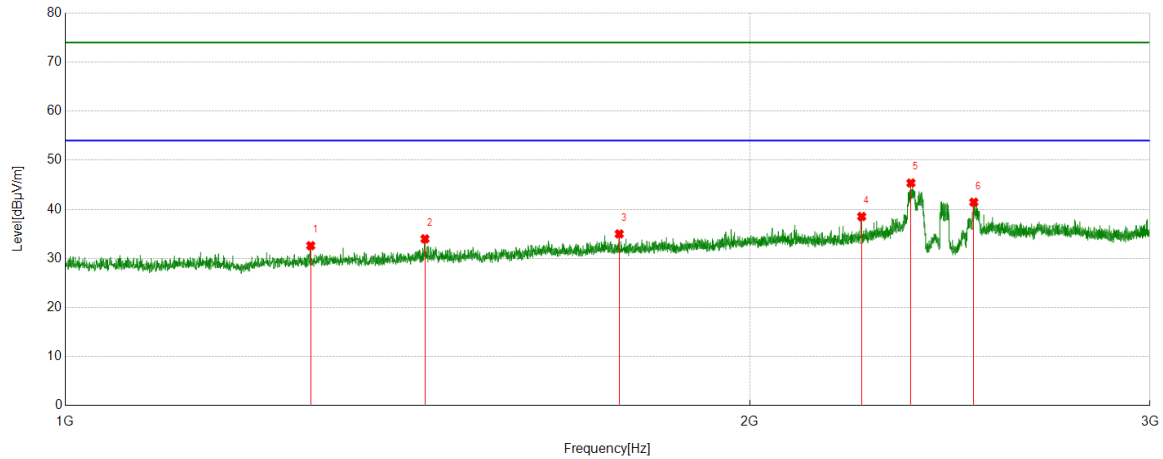
Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1203.2754	53.54	-21.88	31.66	74.00	-42.34	Vertical
2	1661.0826	53.03	-18.31	34.72	74.00	-39.28	Vertical
3	1941.3677	53.79	-17.03	36.76	74.00	-37.24	Vertical
4	2093.8867	52.27	-15.97	36.30	74.00	-37.70	Vertical
5	2389.6737	60.75	-14.24	46.51	74.00	-27.49	Vertical
6	2498.4373	52.63	-13.43	39.20	74.00	-34.80	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 3GHz 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

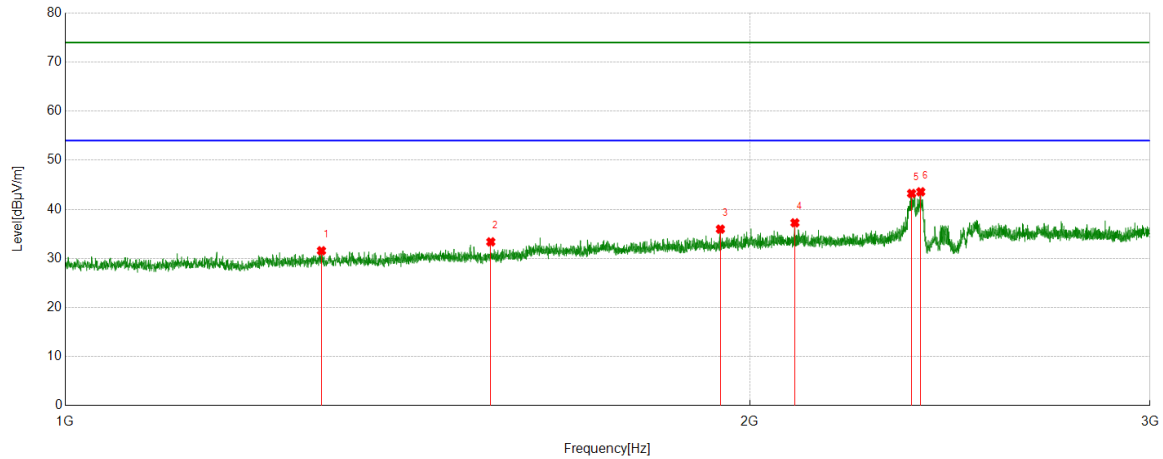


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1282.2853	53.38	-20.78	32.60	74.00	-41.40	Horizontal
2	1439.5549	53.75	-19.77	33.98	74.00	-40.02	Horizontal
3	1752.5941	53.04	-18.05	34.99	74.00	-39.01	Horizontal
4	2240.4051	53.59	-15.06	38.53	74.00	-35.47	Horizontal
5	2354.9194	60.13	-14.77	45.36	74.00	-28.64	Horizontal
6	2509.6887	54.97	-13.52	41.45	74.00	-32.55	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 3GHz 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.



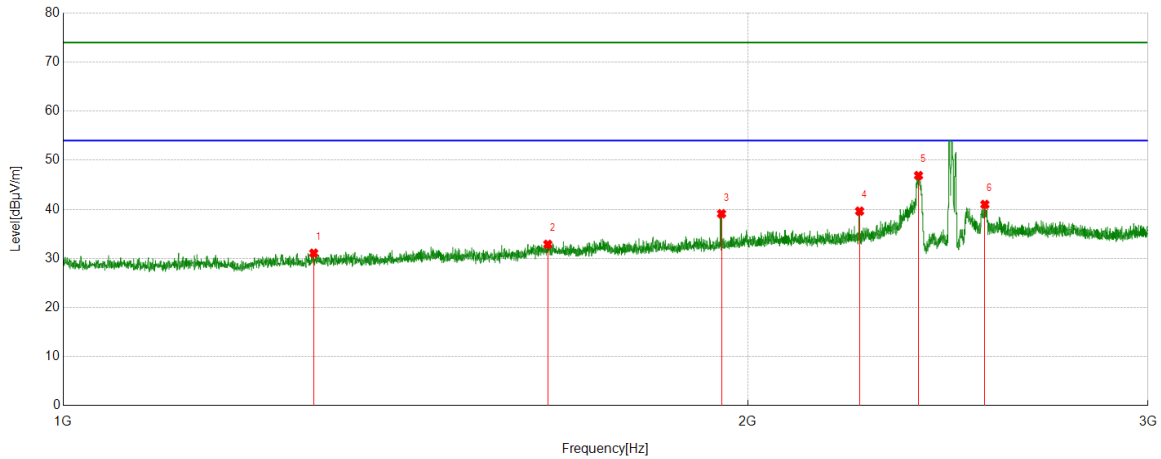
Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1296.287	52.08	-20.52	31.56	74.00	-42.44	Vertical
2	1538.8174	52.89	-19.52	33.37	74.00	-40.63	Vertical
3	1941.6177	52.98	-17.02	35.96	74.00	-38.04	Vertical
4	2093.8867	53.22	-15.97	37.25	74.00	-36.75	Vertical
5	2356.4196	58.01	-14.78	43.23	74.00	-30.77	Vertical
6	2378.4223	57.83	-14.26	43.57	74.00	-30.43	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 3GHz 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.

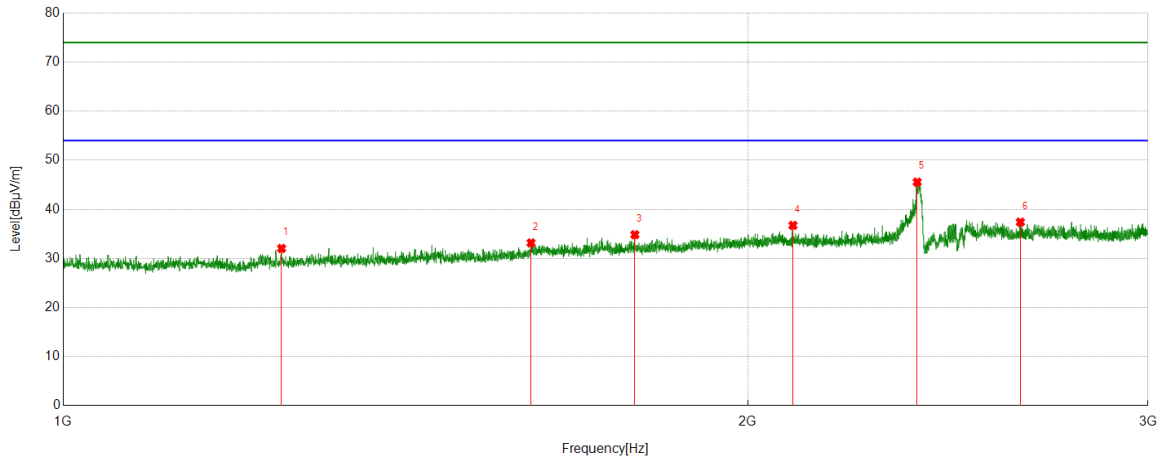
Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1288.7861	51.71	-20.63	31.08	74.00	-42.92	Horizontal
2	1633.5792	51.32	-18.44	32.88	74.00	-41.12	Horizontal
3	1947.8685	55.99	-16.89	39.10	74.00	-34.90	Horizontal
4	2240.155	54.69	-15.06	39.63	74.00	-34.37	Horizontal
5	2377.9222	61.16	-14.27	46.89	74.00	-27.11	Horizontal
6	2543.1929	54.62	-13.63	40.99	74.00	-33.01	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 3GHz 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



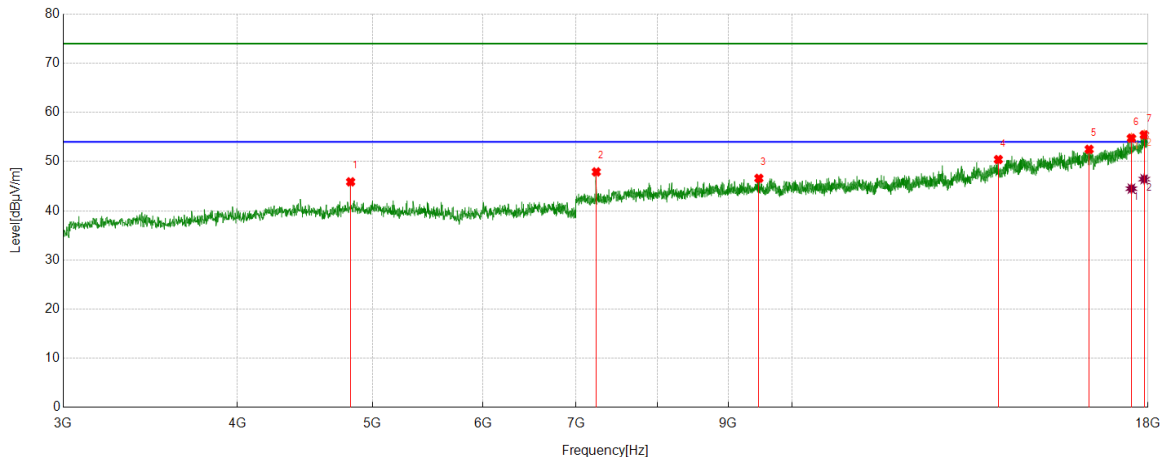
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	1247.5309	52.91	-20.88	32.03	74.00	-41.97	Vertical
2	1606.0758	51.94	-18.78	33.16	74.00	-40.84	Vertical
3	1784.098	52.79	-17.96	34.83	74.00	-39.17	Vertical
4	2093.8867	52.70	-15.97	36.73	74.00	-37.27	Vertical
5	2374.6718	59.88	-14.33	45.55	74.00	-28.45	Vertical
6	2636.2045	50.77	-13.38	37.39	74.00	-36.61	Vertical

- Note: 1. Measurement = Reading Level + Correct Factor,  
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. For below 3GHz 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: 3GHz~18GHz**

**HARMONICS AND SPURIOUS EMISSIONS**

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS



**PK Result:**

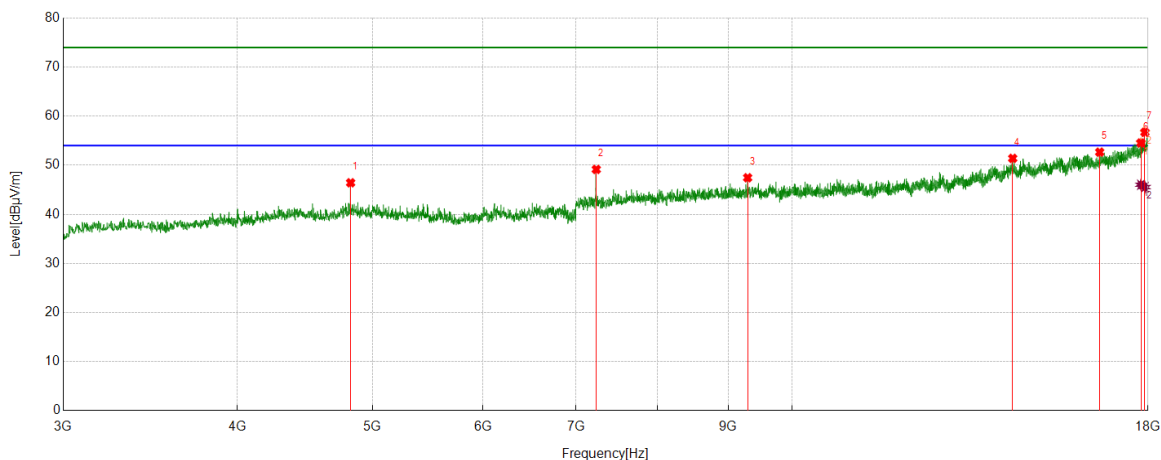
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4822.7278	49.97	-4.09	45.88	74.00	-28.12	Horizontal
2	7236.1545	47.82	0.08	47.90	74.00	-26.10	Horizontal
3	9465.8082	43.14	3.45	46.59	74.00	-27.41	Horizontal
4	14058.2573	38.80	11.62	50.42	74.00	-23.58	Horizontal
5	16332.9166	38.78	13.71	52.49	74.00	-21.51	Horizontal
6	17514.3143	37.57	17.19	54.76	74.00	-19.24	Horizontal
7	17889.3612	36.19	19.24	55.43	74.00	-18.57	Horizontal

**AV Result:**

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17514.3143	27.31	17.19	44.50	54.00	-9.50	Horizontal
2	17889.3612	27.20	19.24	46.44	54.00	-7.56	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 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS



PK Result:

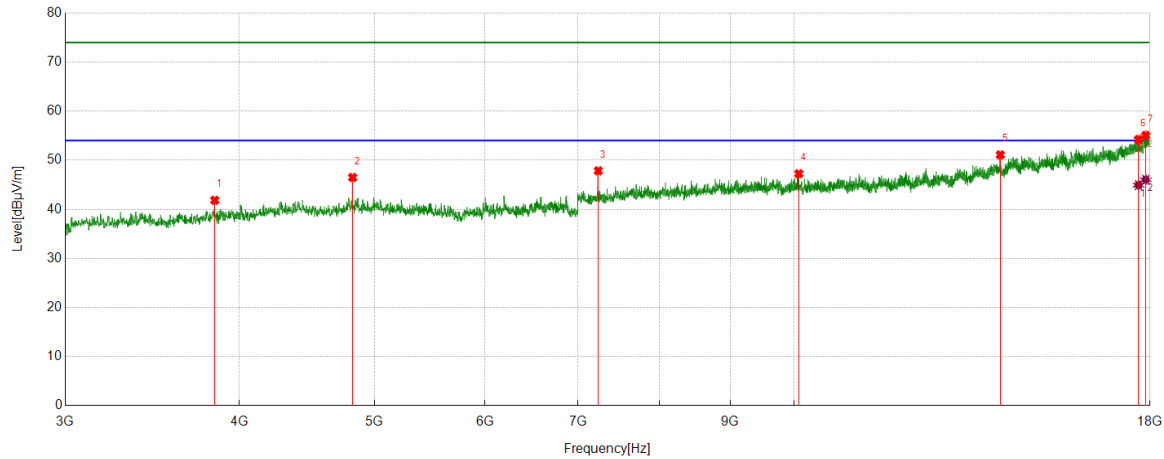
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4822.7278	50.52	-4.09	46.43	74.00	-27.57	Vertical
2	7236.1545	49.07	0.08	49.15	74.00	-24.85	Vertical
3	9291.4114	44.67	2.79	47.46	74.00	-26.54	Vertical
4	14395.7995	39.80	11.60	51.40	74.00	-22.60	Vertical
5	16619.8275	37.22	15.45	52.67	74.00	-21.33	Vertical
6	17789.9737	36.39	18.15	54.54	74.00	-19.46	Vertical
7	17909.9887	37.67	19.04	56.71	74.00	-17.29	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17789.9737	27.88	18.15	46.03	54.00	-7.97	Vertical
2	17909.9887	26.50	19.04	45.54	54.00	-8.46	Vertical

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

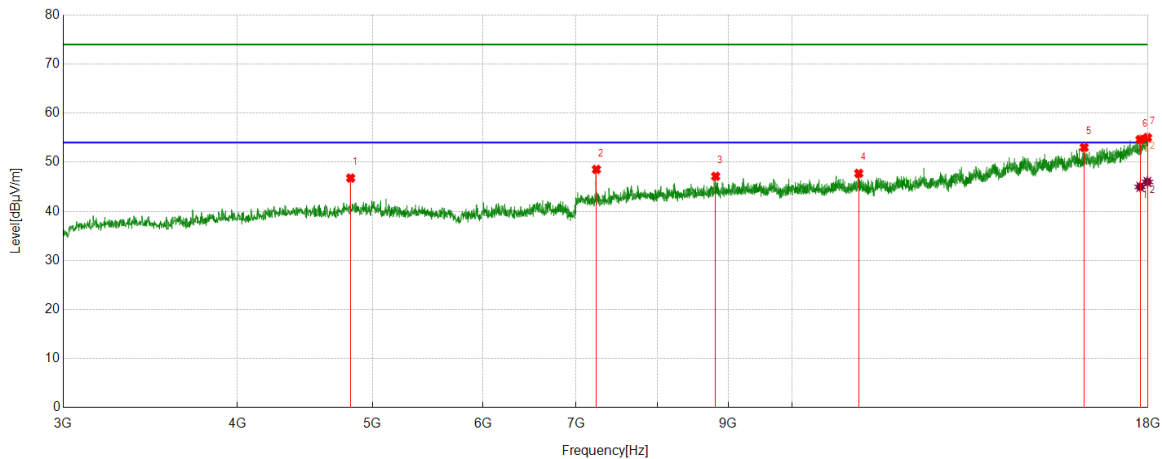
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3840.105	49.37	-7.52	41.85	74.00	-32.15	Horizontal
2	4822.7278	50.58	-4.09	46.49	74.00	-27.51	Horizontal
3	7236.1545	47.77	0.08	47.85	74.00	-26.15	Horizontal
4	10077.1346	43.18	4.07	47.25	74.00	-26.75	Horizontal
5	14056.382	39.62	11.48	51.10	74.00	-22.90	Horizontal
6	17662.4578	36.53	17.69	54.22	74.00	-19.78	Horizontal
7	17876.2345	36.15	18.91	55.06	74.00	-18.94	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17662.4578	27.24	17.69	44.93	54.00	-9.07	Horizontal
2	17876.2345	27.13	18.91	46.04	54.00	-7.96	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 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



PK Result:

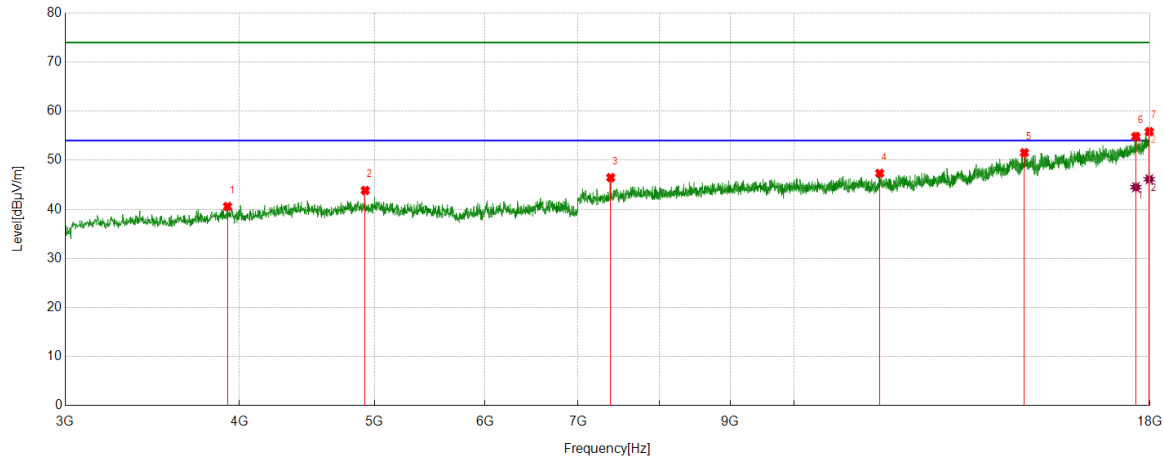
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4822.7278	50.87	-4.09	46.78	74.00	-27.22	Vertical
2	7238.0298	48.44	0.10	48.54	74.00	-25.46	Vertical
3	8813.2267	44.48	2.65	47.13	74.00	-26.87	Vertical
4	11162.8954	42.62	5.11	47.73	74.00	-26.27	Vertical
5	16199.775	39.02	14.00	53.02	74.00	-20.98	Vertical
6	17769.3462	36.48	18.15	54.63	74.00	-19.37	Vertical
7	17983.1229	36.38	18.64	55.02	74.00	-18.98	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17769.3462	26.83	18.15	44.98	54.00	-9.02	Vertical
2	17983.1229	27.36	18.64	46.00	54.00	-8.00	Vertical

- Note: 1. Measurement = Reading Level + Correct Factor,  
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  - Peak detector: RBW: 1 MHz, VBW: 3 MHz.
  - Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
  - For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
  - 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	3922.6153	47.94	-7.36	40.58	74.00	-33.42	Horizontal
2	4923.9905	47.73	-3.88	43.85	74.00	-30.15	Horizontal
3	7386.1733	46.48	-0.02	46.46	74.00	-27.54	Horizontal
4	11517.3147	41.09	6.25	47.34	74.00	-26.66	Horizontal
5	14628.3285	39.56	11.98	51.54	74.00	-22.46	Horizontal
6	17585.5732	37.29	17.53	54.82	74.00	-19.18	Horizontal
7	17979.3724	37.17	18.66	55.83	74.00	-18.17	Horizontal

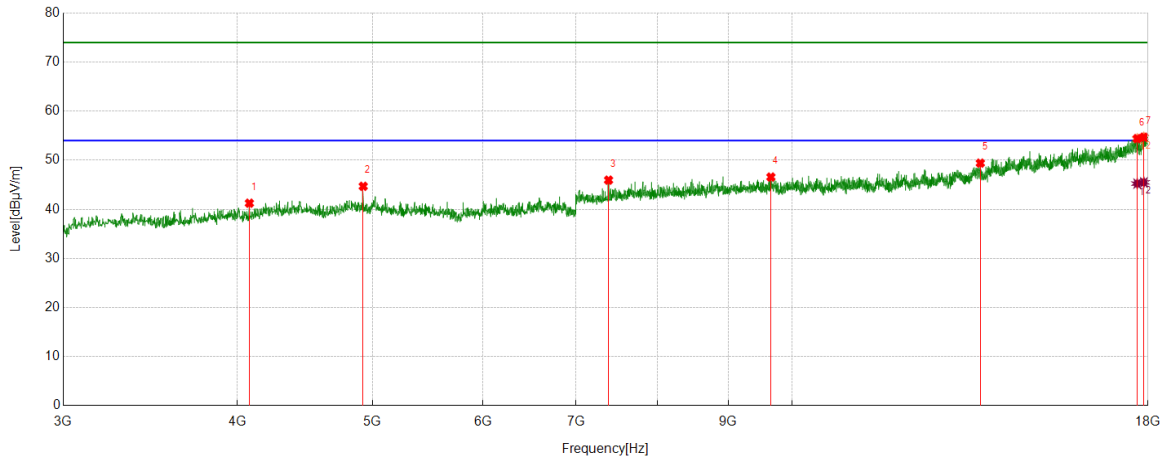
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17585.5732	26.99	17.53	44.52	54.00	-9.48	Horizontal
2	17979.3724	27.46	18.66	46.12	54.00	-7.88	Horizontal

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



Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



PK Result:

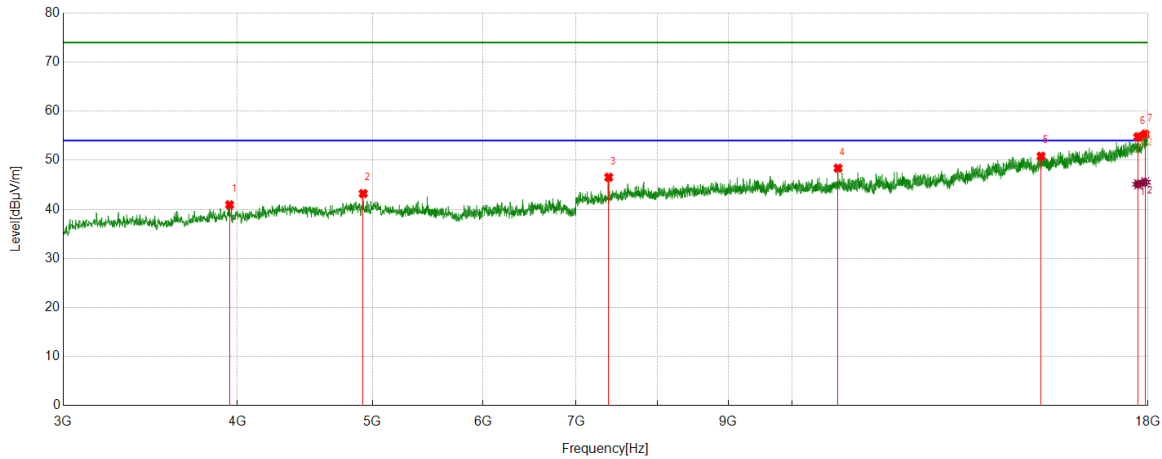
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4080.135	48.24	-6.99	41.25	74.00	-32.75	Vertical
2	4923.9905	48.57	-3.88	44.69	74.00	-29.31	Vertical
3	7384.298	45.95	0.00	45.95	74.00	-28.05	Vertical
4	9655.2069	42.86	3.72	46.58	74.00	-27.42	Vertical
5	13645.7057	39.93	9.48	49.41	74.00	-24.59	Vertical
6	17681.2102	37.07	17.34	54.41	74.00	-19.59	Vertical
7	17878.1098	35.74	18.96	54.70	74.00	-19.30	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17681.2102	27.90	17.34	45.24	54.00	-8.76	Vertical
2	17878.1098	26.53	18.96	45.49	54.00	-8.51	Vertical

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

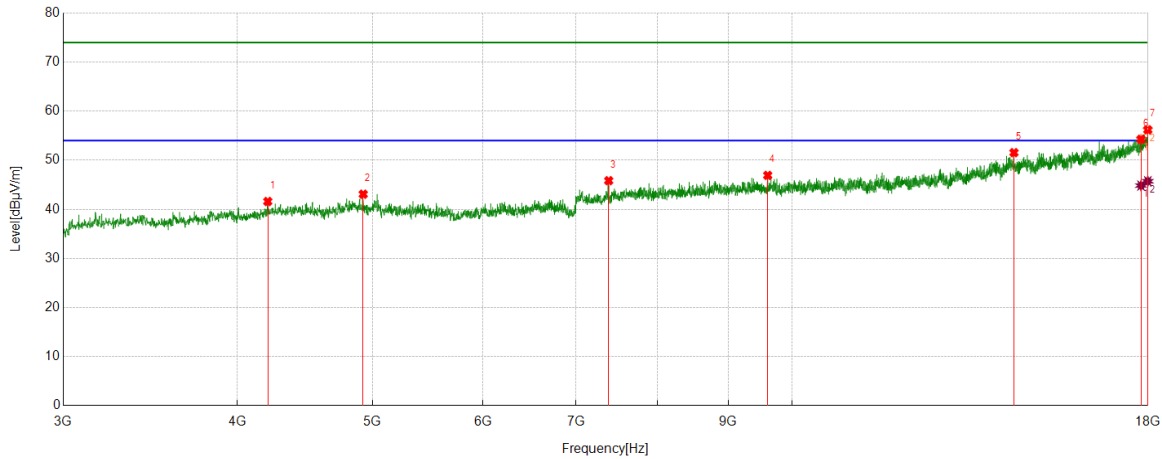
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3948.8686	47.74	-6.82	40.92	74.00	-33.08	Horizontal
2	4923.9905	47.09	-3.88	43.21	74.00	-30.79	Horizontal
3	7386.1733	46.55	-0.02	46.53	74.00	-27.47	Horizontal
4	10787.8485	44.07	4.32	48.39	74.00	-25.61	Horizontal
5	15085.8857	38.48	12.33	50.81	74.00	-23.19	Horizontal
6	17703.713	37.04	17.73	54.77	74.00	-19.23	Horizontal
7	17917.4897	36.52	18.79	55.31	74.00	-18.69	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17703.713	27.39	17.73	45.12	54.00	-8.88	Horizontal
2	17917.4897	26.72	18.79	45.51	54.00	-8.49	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 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS



PK Result:

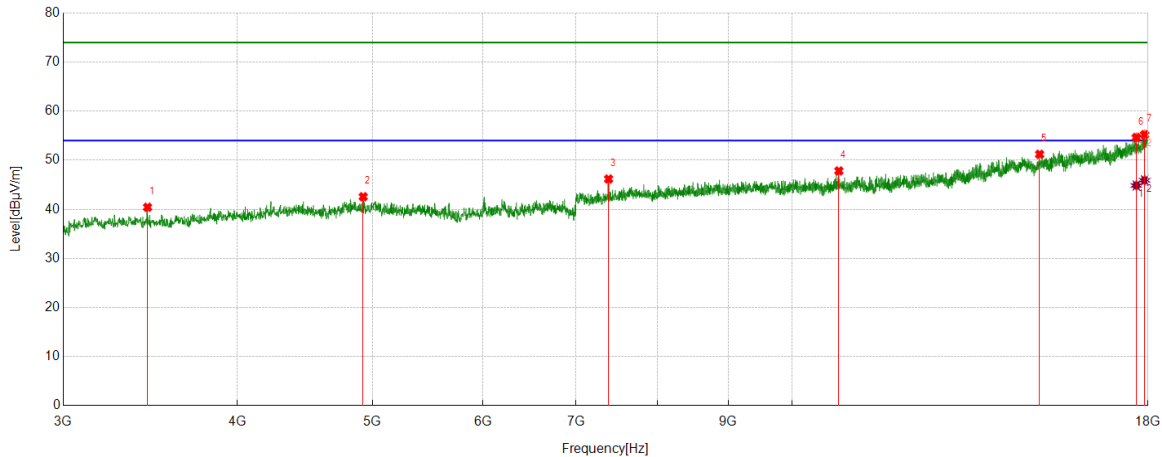
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4205.7757	47.47	-5.87	41.60	74.00	-32.40	Vertical
2	4923.9905	46.96	-3.88	43.08	74.00	-30.92	Vertical
3	7386.1733	45.86	-0.02	45.84	74.00	-28.16	Vertical
4	9604.5756	43.74	3.18	46.92	74.00	-27.08	Vertical
5	14425.8032	39.88	11.67	51.55	74.00	-22.45	Vertical
6	17793.7242	36.36	17.91	54.27	74.00	-19.73	Vertical
7	17994.3743	37.54	18.66	56.20	74.00	-17.80	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17793.7242	26.93	17.91	44.84	54.00	-9.16	Vertical
2	17994.3743	27.06	18.66	45.72	54.00	-8.28	Vertical

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

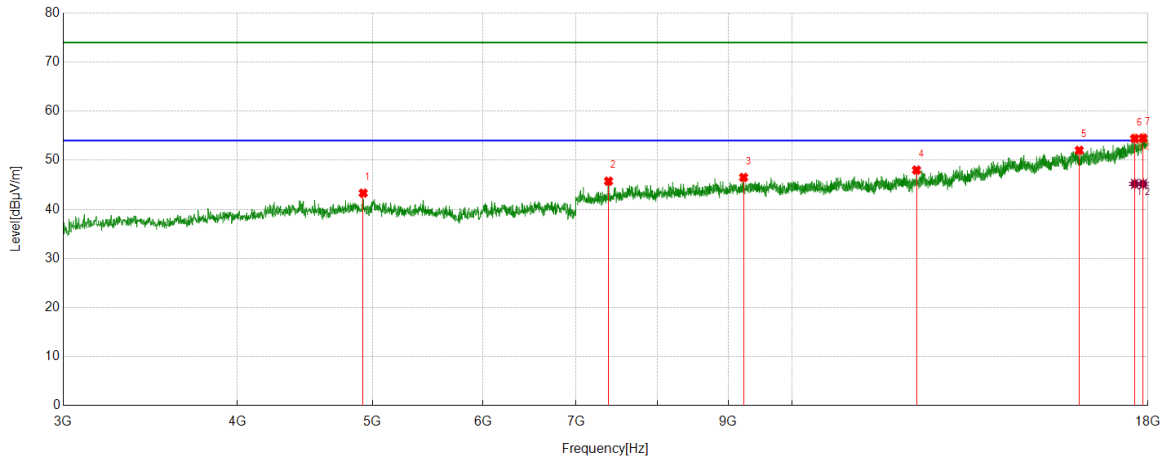
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3448.181	49.41	-8.99	40.42	74.00	-33.58	Horizontal
2	4923.9905	46.45	-3.88	42.57	74.00	-31.43	Horizontal
3	7384.298	46.18	0.00	46.18	74.00	-27.82	Horizontal
4	10802.8504	43.50	4.33	47.83	74.00	-26.17	Horizontal
5	15050.2563	39.21	12.00	51.21	74.00	-22.79	Horizontal
6	17656.8321	36.87	17.76	54.63	74.00	-19.37	Horizontal
7	17900.6126	35.95	19.27	55.22	74.00	-18.78	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17656.8321	27.10	17.76	44.86	54.00	-9.14	Horizontal
2	17900.6126	26.64	19.27	45.91	54.00	-8.09	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 3GHz 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:

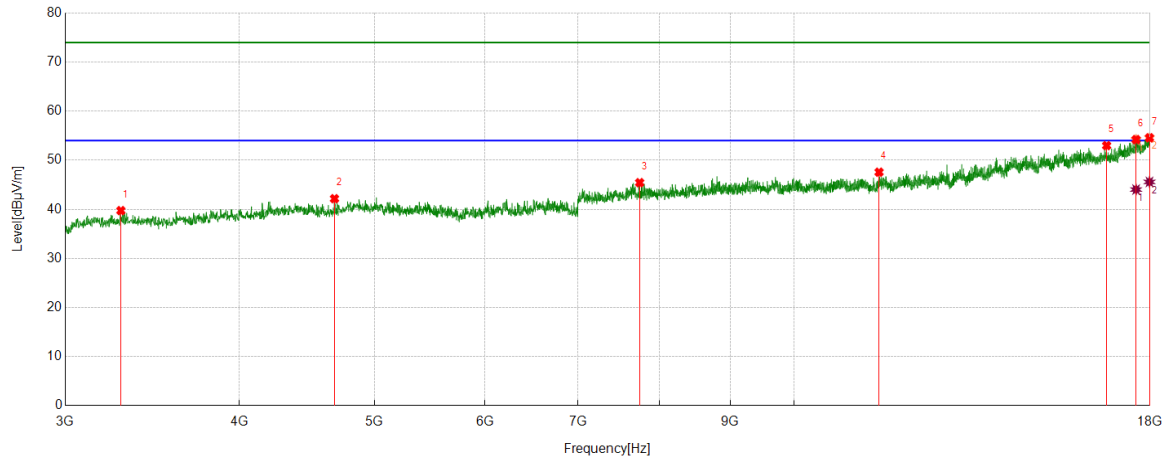
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4923.9905	47.18	-3.88	43.30	74.00	-30.70	Vertical
2	7384.298	45.74	0.00	45.74	74.00	-28.26	Vertical
3	9229.5287	43.58	2.92	46.50	74.00	-27.50	Vertical
4	12280.5351	41.07	6.92	47.99	74.00	-26.01	Vertical
5	16068.5086	38.18	13.84	52.02	74.00	-21.98	Vertical
6	17609.9512	36.82	17.60	54.42	74.00	-19.58	Vertical
7	17855.607	35.70	18.81	54.51	74.00	-19.49	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17609.9512	27.59	17.60	45.19	54.00	-8.81	Vertical
2	17855.607	26.36	18.81	45.17	54.00	-8.83	Vertical

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

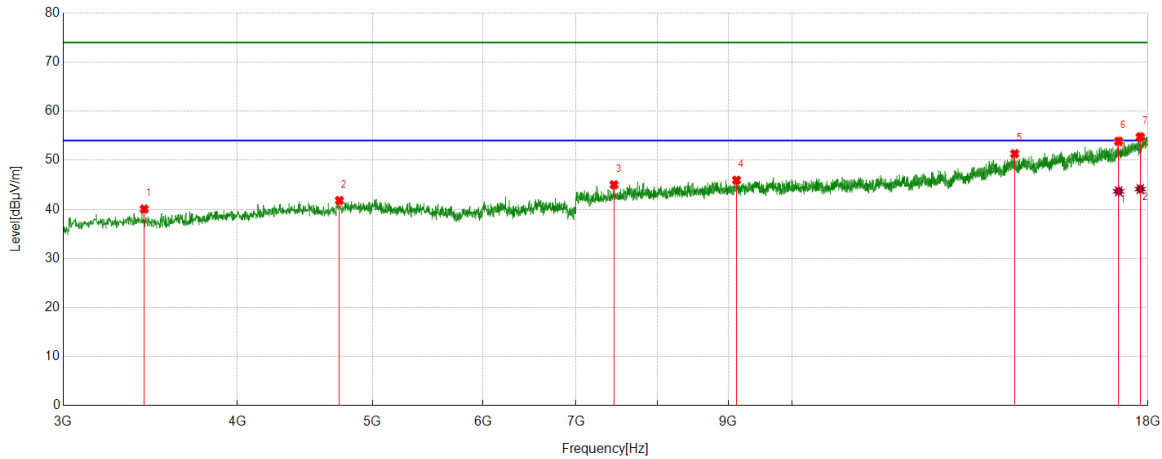
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3288.7861	49.38	-9.64	39.74	74.00	-34.26	Horizontal
2	4680.21	47.33	-5.16	42.17	74.00	-31.83	Horizontal
3	7748.0935	44.07	1.36	45.43	74.00	-28.57	Horizontal
4	11506.0633	41.27	6.30	47.57	74.00	-26.43	Horizontal
5	16756.7196	37.93	15.05	52.98	74.00	-21.02	Horizontal
6	17591.1989	36.56	17.65	54.21	74.00	-19.79	Horizontal
7	17984.9981	35.96	18.62	54.58	74.00	-19.42	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17591.1989	26.38	17.65	44.03	54.00	-9.97	Horizontal
2	17984.9981	26.96	18.62	45.58	54.00	-8.42	Horizontal

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

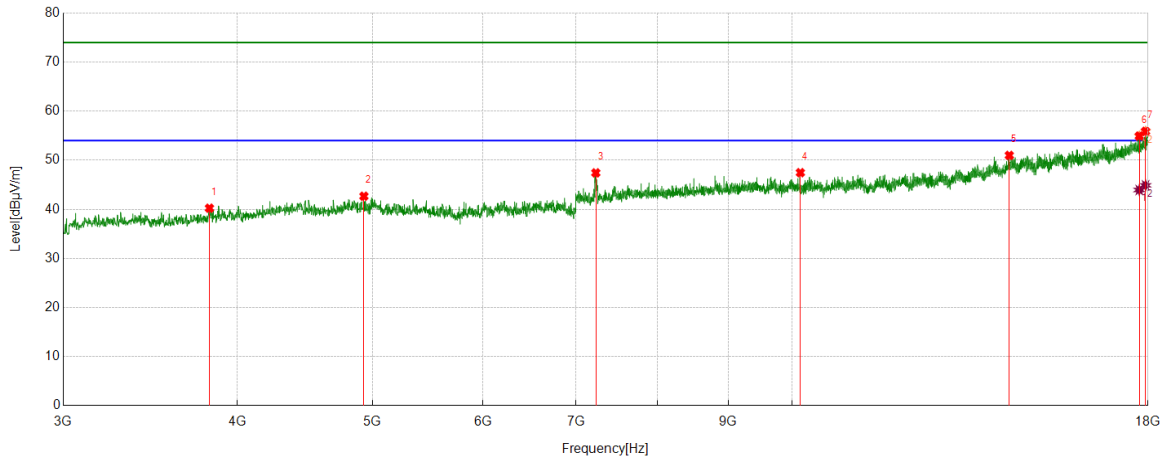
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3429.4287	49.42	-9.37	40.05	74.00	-33.95	Vertical
2	4734.5918	46.09	-4.29	41.80	74.00	-32.20	Vertical
3	7451.8065	44.03	0.98	45.01	74.00	-28.99	Vertical
4	9122.6403	43.16	2.77	45.93	74.00	-28.07	Vertical
5	14444.5556	39.67	11.66	51.33	74.00	-22.67	Vertical
6	17148.6436	38.10	15.75	53.85	74.00	-20.15	Vertical
7	17773.0966	36.68	18.08	54.76	74.00	-19.24	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17148.6436	27.93	15.75	43.68	54.00	-10.32	Vertical
2	17773.0966	26.05	18.08	44.13	54.00	-9.87	Vertical

- Note: 1. Measurement = Reading Level + Correct Factor,  
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  - Peak detector: RBW: 1 MHz, VBW: 3 MHz.
  - Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
  - For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
  - 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	3819.4774	47.73	-7.50	40.23	74.00	-33.77	Horizontal
2	4929.6162	46.48	-3.81	42.67	74.00	-31.33	Horizontal
3	7230.5288	47.43	0.00	47.43	74.00	-26.57	Horizontal
4	10137.1421	43.68	3.79	47.47	74.00	-26.53	Horizontal
5	14315.1644	39.81	11.18	50.99	74.00	-23.01	Horizontal
6	17743.0929	37.33	17.60	54.93	74.00	-19.07	Horizontal
7	17928.7411	37.17	18.72	55.89	74.00	-18.11	Horizontal

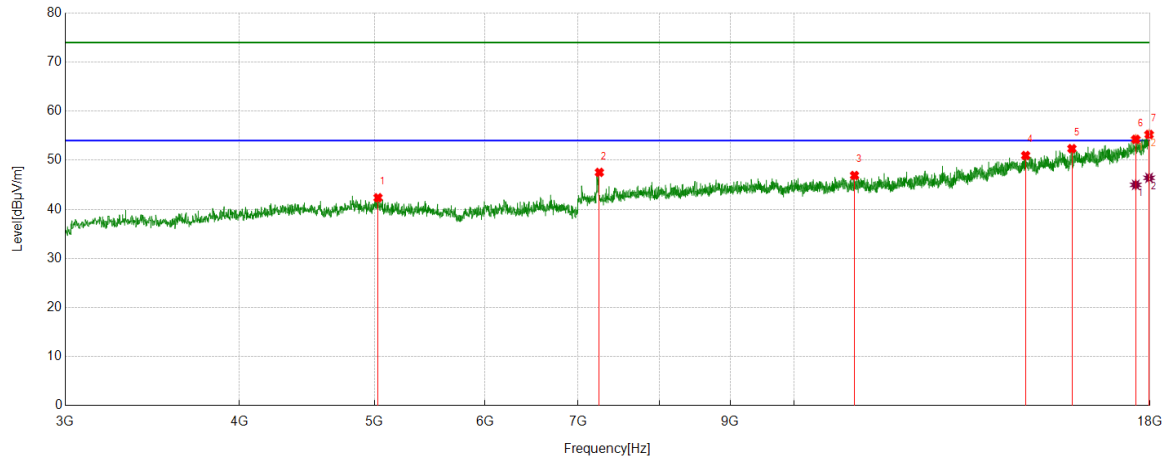
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17743.0929	26.34	17.60	43.94	54.00	-10.06	Horizontal
2	17928.7411	26.17	18.72	44.89	54.00	-9.11	Horizontal

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

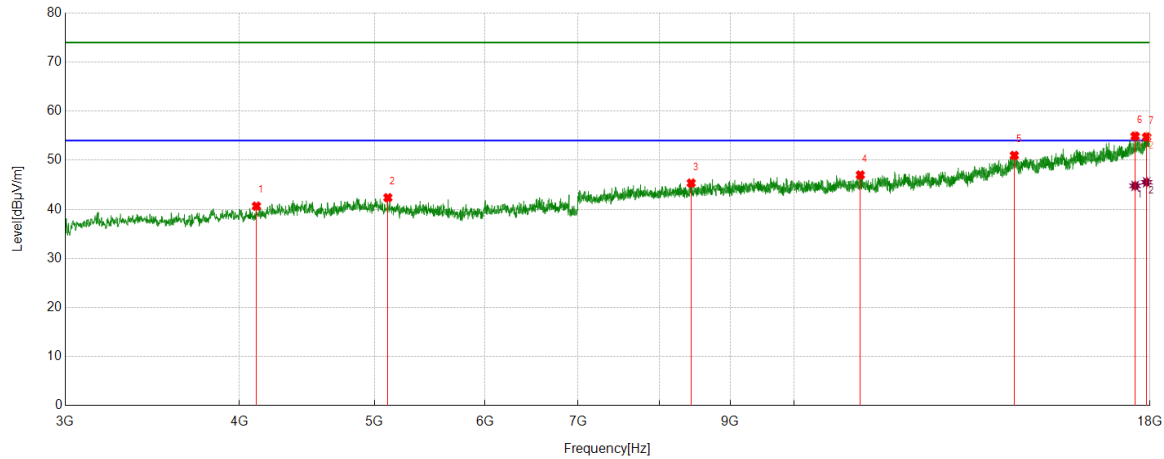
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5029.0036	45.89	-3.53	42.36	74.00	-31.64	Vertical
2	7249.2812	47.44	0.09	47.53	74.00	-26.47	Vertical
3	11048.5061	42.23	4.67	46.90	74.00	-27.10	Vertical
4	14658.3323	39.24	11.72	50.96	74.00	-23.04	Vertical
5	15822.8529	38.34	14.02	52.36	74.00	-21.64	Vertical
6	17581.8227	36.85	17.40	54.25	74.00	-19.75	Vertical
7	17973.7467	36.57	18.68	55.25	74.00	-18.75	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17581.8227	27.59	17.40	44.99	54.00	-9.01	Vertical
2	17973.7467	27.74	18.68	46.42	54.00	-7.58	Vertical

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

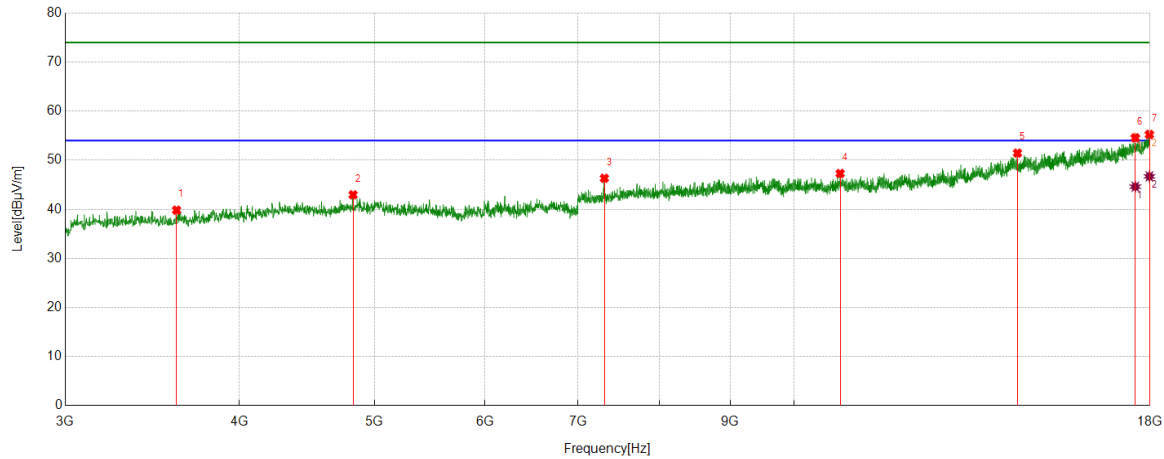
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4113.8892	47.44	-6.79	40.65	74.00	-33.35	Horizontal
2	5111.5139	45.86	-3.49	42.37	74.00	-31.63	Horizontal
3	8436.3045	43.27	2.08	45.35	74.00	-28.65	Horizontal
4	11155.3944	41.99	5.01	47.00	74.00	-27.00	Horizontal
5	14386.4233	39.44	11.54	50.98	74.00	-23.02	Horizontal
6	17563.0704	37.66	17.25	54.91	74.00	-19.09	Horizontal
7	17902.4878	35.51	19.23	54.74	74.00	-19.26	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17563.0704	27.53	17.25	44.78	54.00	-9.22	Horizontal
2	17902.4878	26.29	19.23	45.52	54.00	-8.48	Horizontal

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

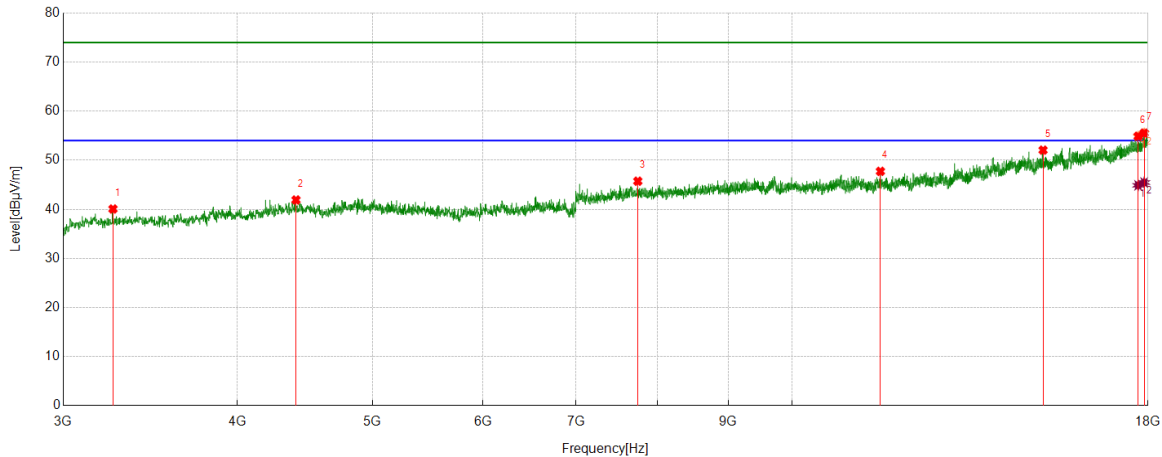
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3605.7007	48.42	-8.59	39.83	74.00	-34.17	Vertical
2	4826.4783	46.87	-3.91	42.96	74.00	-31.04	Vertical
3	7309.2887	46.35	-0.03	46.32	74.00	-27.68	Vertical
4	10789.7237	42.97	4.33	47.30	74.00	-26.70	Vertical
5	14461.4327	39.95	11.50	51.45	74.00	-22.55	Vertical
6	17568.6961	37.32	17.25	54.57	74.00	-19.43	Vertical
7	17983.1229	36.61	18.64	55.25	74.00	-18.75	Vertical

**AV Result:**

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17568.6961	27.36	17.25	44.61	54.00	-9.39	Vertical
2	17983.1229	28.07	18.64	46.71	54.00	-7.29	Vertical

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

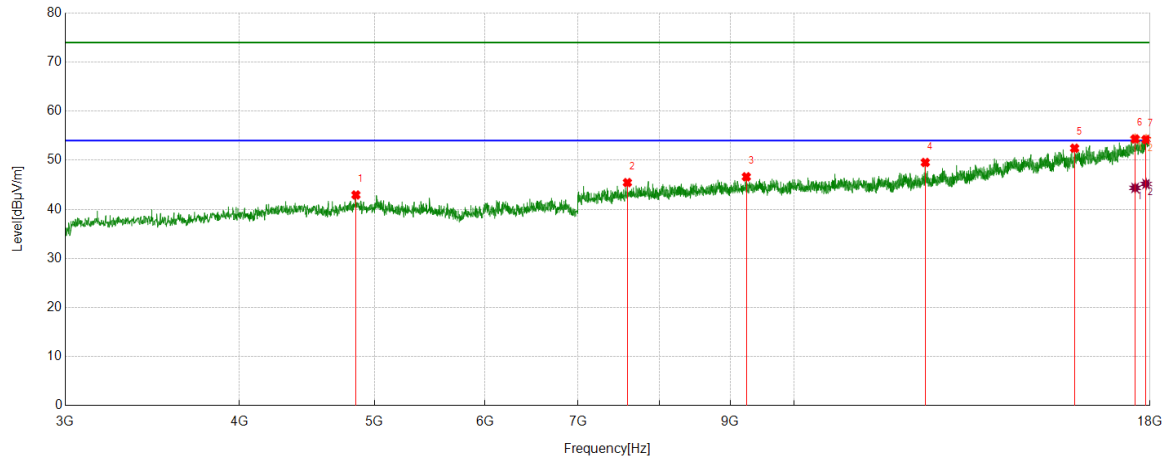
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3256.9071	49.77	-9.70	40.07	74.00	-33.93	Horizontal
2	4406.4258	47.33	-5.42	41.91	74.00	-32.09	Horizontal
3	7749.9687	44.35	1.38	45.73	74.00	-28.27	Horizontal
4	11569.8212	42.41	5.33	47.74	74.00	-26.26	Horizontal
5	15136.5171	40.25	11.81	52.06	74.00	-21.94	Horizontal
6	17709.3387	37.00	17.89	54.89	74.00	-19.11	Horizontal
7	17887.4859	36.34	19.19	55.53	74.00	-18.47	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17709.3387	27.00	17.89	44.89	54.00	-9.11	Horizontal
2	17887.4859	26.27	19.19	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 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4848.9811	46.48	-3.55	42.93	74.00	-31.07	Vertical
2	7592.4491	44.63	0.82	45.45	74.00	-28.55	Vertical
3	9240.7801	43.73	2.90	46.63	74.00	-27.37	Vertical
4	12419.3024	42.98	6.57	49.55	74.00	-24.45	Vertical
5	15892.2365	38.69	13.76	52.45	74.00	-21.55	Vertical
6	17563.0704	37.09	17.25	54.34	74.00	-19.66	Vertical
7	17883.7355	35.13	19.10	54.23	74.00	-19.77	Vertical

AV Result:

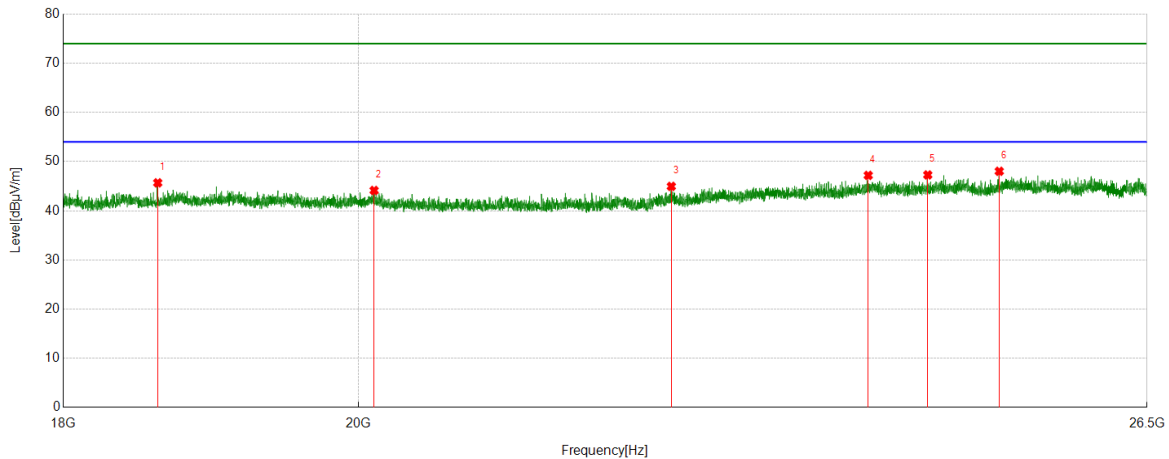
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17563.0704	27.12	17.25	44.37	54.00	-9.63	Vertical
2	17883.7355	26.08	19.10	45.18	54.00	-8.82	Vertical

- 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 3GHz 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 TO 26.5GHz (WORST-CASE CONFIGURATION)**

Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS

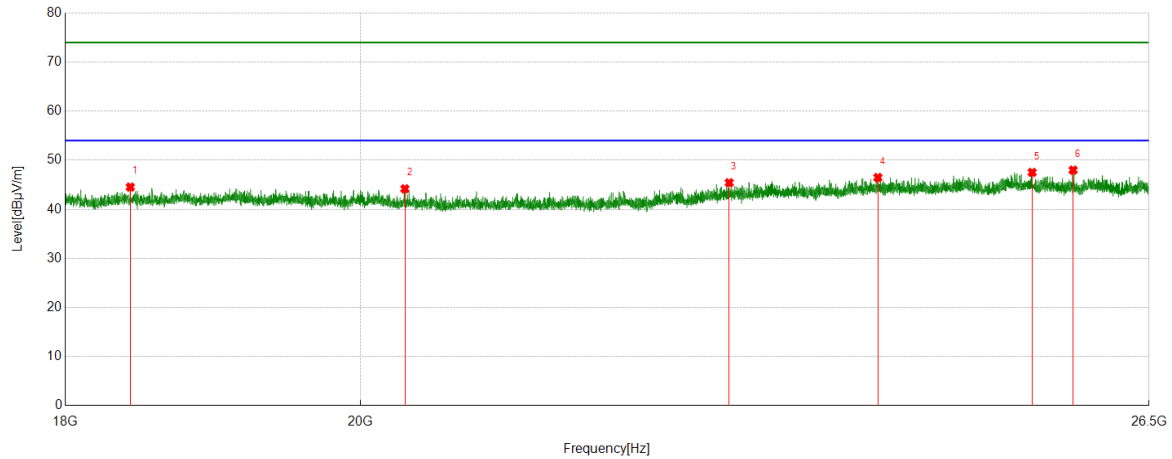


**PK Result:**

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	18618.0118	52.08	-6.40	45.68	74.00	-28.32	Horizontal
2	20112.4612	49.31	-5.18	44.13	74.00	-29.87	Horizontal
3	22362.6363	49.98	-5.02	44.96	74.00	-29.04	Horizontal
4	23990.5491	49.83	-2.63	47.20	74.00	-26.80	Horizontal
5	24505.7006	50.28	-2.99	47.29	74.00	-26.71	Horizontal
6	25139.0139	51.50	-3.47	48.03	74.00	-25.97	Horizontal

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

Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



PK Result:

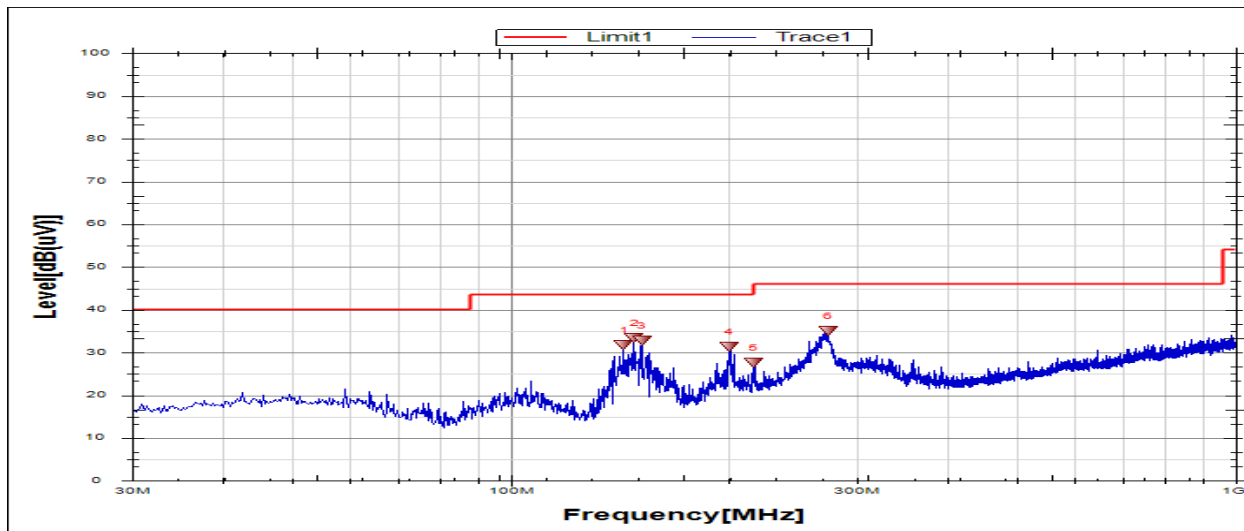
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	18423.3423	51.17	-6.64	44.53	74.00	-29.47	Vertical
2	20319.882	49.64	-5.46	44.18	74.00	-29.82	Vertical
3	22813.1813	49.33	-3.91	45.42	74.00	-28.58	Vertical
4	24056.0056	49.14	-2.66	46.48	74.00	-27.52	Vertical
5	25417.8418	50.76	-3.24	47.52	74.00	-26.48	Vertical
6	25791.8792	50.87	-2.88	47.99	74.00	-26.01	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 30M TO 1GHz (WORST-CASE CONFIGURATION)**

Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS

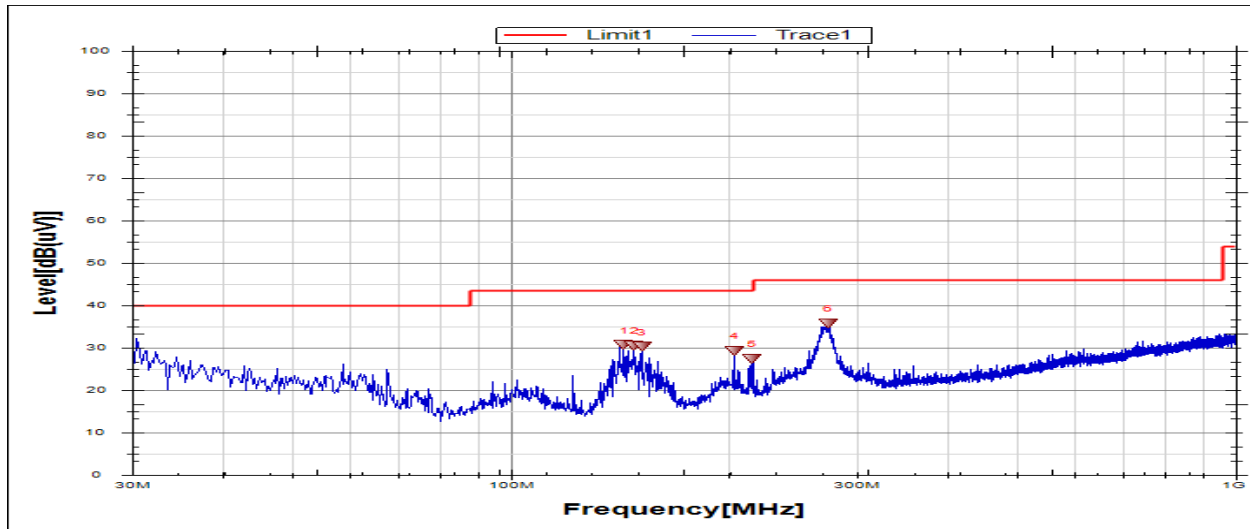


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	143.2760	16.43	15.32	31.75	43.5	11.75	Horizontal
2	148.1272	18.11	15.37	33.48	43.5	10.02	Horizontal
3	151.5231	17.44	15.47	32.91	43.5	10.59	Horizontal
4	199.7927	12.53	18.78	31.31	43.5	12.19	Horizontal
5	216.0443	8.35	19.29	27.64	46.0	18.36	Horizontal
6	273.7738	14.42	20.76	35.18	46.0	10.82	Horizontal

- 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



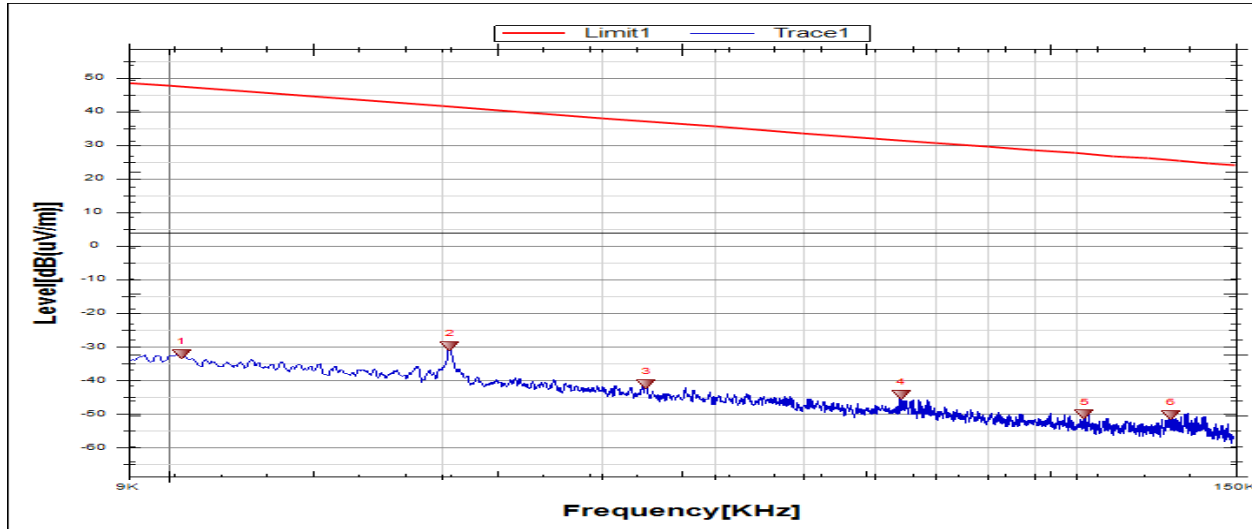
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	143.2760	15.42	15.32	30.74	43.5	12.76	Vertical
2	148.1272	15.20	15.37	30.57	43.5	12.93	Vertical
3	151.5231	14.83	15.47	30.30	43.5	13.20	Vertical
4	203.4311	10.48	18.93	29.41	43.5	14.09	Vertical
5	215.0740	8.22	19.26	27.48	43.5	16.02	Vertical
6	273.7738	15.10	20.76	35.86	46.0	10.14	Vertical

- 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 Below 30MHz (WORST CASE CONFIGURATION-FACE ON)**

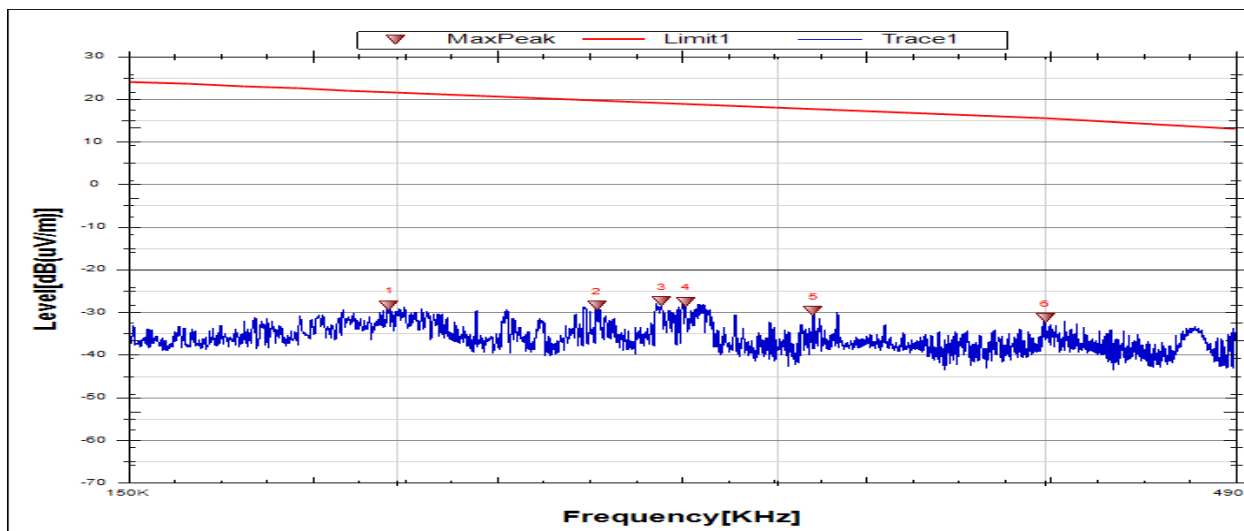
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	9kHz~150kHz	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	0.0103	29.77	-61.91	-32.14	47.42	79.56	Peak
2	0.0204	31.95	-61.81	-29.86	41.44	71.30	Peak
3	0.0336	20.55	-61.71	-41.16	37.16	78.32	Peak
4	0.0641	17.54	-61.76	-44.22	31.50	75.72	Peak
5	0.1023	11.58	-61.81	-50.23	27.41	77.64	Peak
6	0.1273	11.52	-61.82	-50.30	25.52	75.82	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, the test data of Face-on was the worst and recorded in the report.

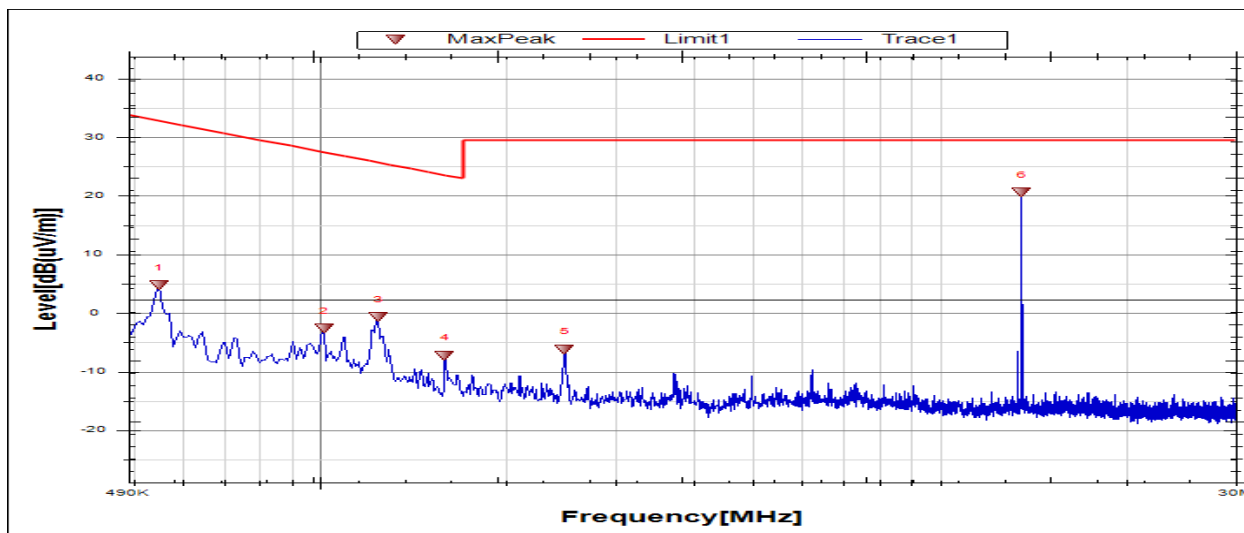
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	150kHz~490kHz	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	0.1983	33.53	-61.86	-28.33	21.66	49.99	Peak
2	0.2475	33.38	-61.88	-28.5	19.91	48.41	Peak
3	0.2654	34.44	-61.89	-27.45	19.28	46.73	Peak
4	0.2722	34.28	-61.90	-27.62	19.04	46.66	Peak
5	0.3121	32.17	-61.91	-29.74	17.76	47.50	Peak
6	0.3997	30.48	-61.88	-31.40	15.57	46.97	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, the test data of Face-on was the worst and recorded in the report.

Test Mode	Channel	Frequency Range	Verdict
11B	MCH	490kHz~30MHz	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	0.5490	26.59	-21.87	4.72	32.86	28.14	Peak
2	1.0139	19.22	-21.85	-2.63	27.49	30.12	Peak
3	1.2427	21.17	-21.84	-0.67	25.73	26.40	Peak
4	1.5895	14.58	-21.84	-7.26	23.58	30.84	Peak
5	2.4823	15.62	-21.80	-6.18	29.54	35.72	Peak
6	13.5582	42.14	-21.58	20.56	29.54	8.98	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, the test data of Face-on was the worst and recorded in the report.

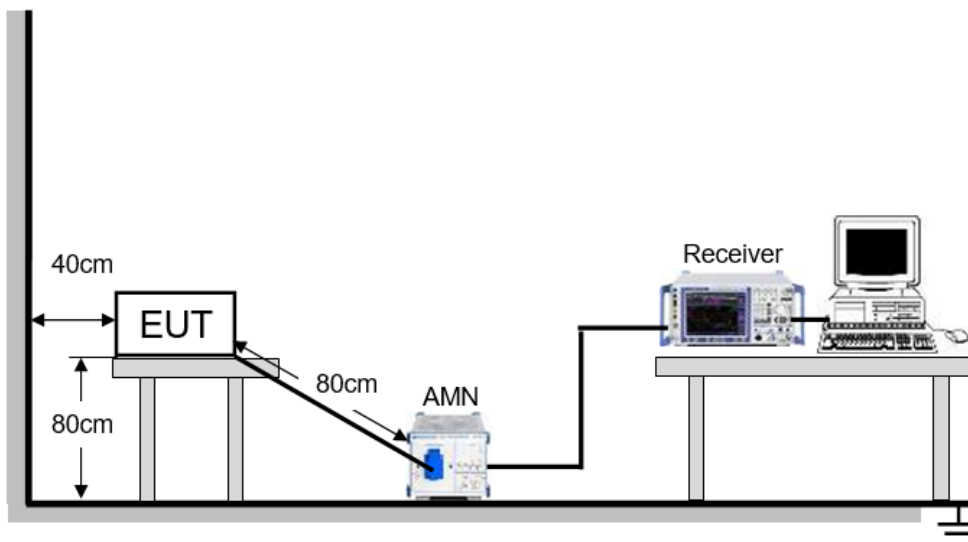
## 9. AC POWER LINE CONDUCTED EMISSIONS

### 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.

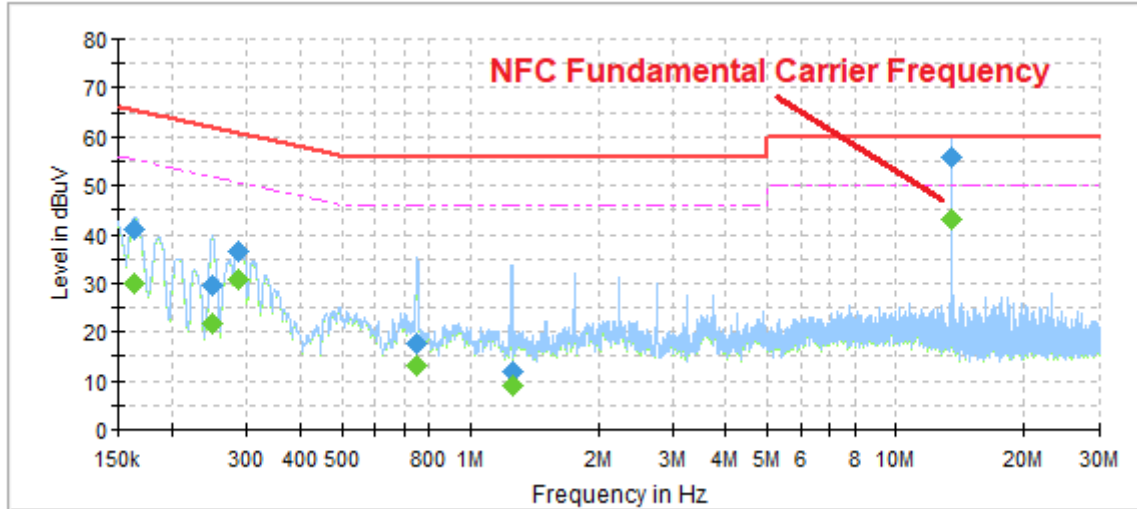
The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

**TEST ENVIRONMENT**

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

**RESULTS WITH THE ANTENNA CONNECTED**

**LINE L RESULTS (WORST-CASE CONFIGURATION)**

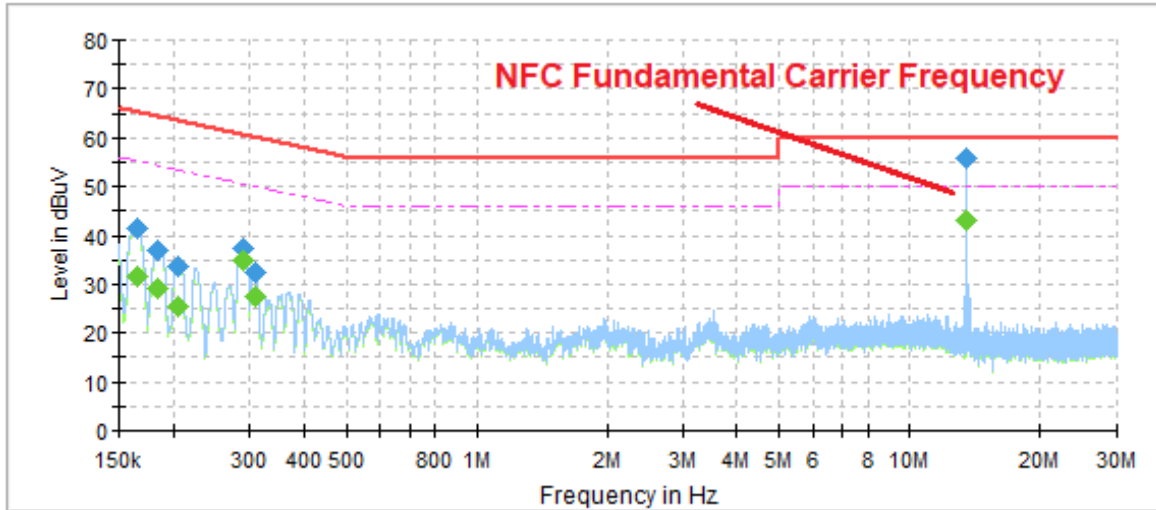


**Final\_Result**

Frequency [MHz]	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. [dB]
0.163433	---	29.78	55.29	25.51	1000.0	9.000	L1	OFF	9.6
0.163433	41.23	---	65.29	24.06	1000.0	9.000	L1	OFF	9.6
0.249998	---	21.75	51.76	30.01	1000.0	9.000	L1	OFF	9.6
0.249998	29.43	---	61.76	32.33	1000.0	9.000	L1	OFF	9.6
0.287310	---	30.76	50.60	19.84	1000.0	9.000	L1	OFF	9.6
0.287310	36.52	---	60.60	24.08	1000.0	9.000	L1	OFF	9.6
0.749985	17.51	---	56.00	38.49	1000.0	9.000	L1	OFF	9.6
0.749985	---	13.22	46.00	32.78	1000.0	9.000	L1	OFF	9.6
1.251465	11.81	---	56.00	44.19	1000.0	9.000	L1	OFF	9.6
1.251465	---	9.04	46.00	36.96	1000.0	9.000	L1	OFF	9.6
13.560113	---	43.14	50.00	6.86	1000.0	9.000	L1	OFF	9.7
13.560113	55.85	---	60.00	4.15	1000.0	9.000	L1	OFF	9.7

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).  
 3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.  
 4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.  
 5. Pre-testing all test modes and channels, and find the MCH of 11B which is the worst case, so only the worst case is included in this test report.

**LINE N RESULTS (WORST-CASE CONFIGURATION)**



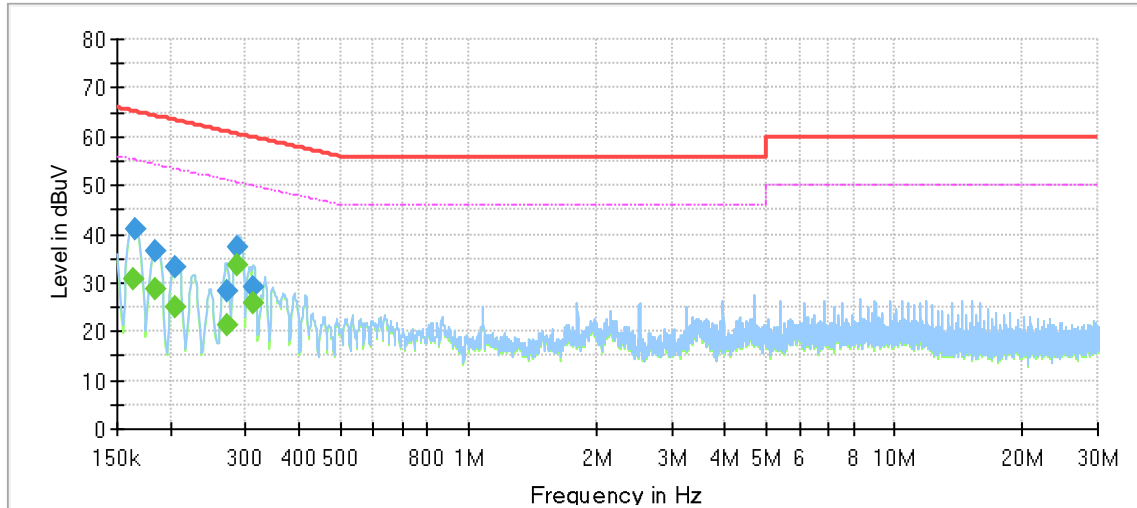
**Final Result**

Frequency [MHz]	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. [dB]
0.164925	---	31.67	55.21	23.55	1000.0	9.000	N	OFF	9.6
0.164925	41.35	---	65.21	23.86	1000.0	9.000	N	OFF	9.6
0.184328	---	29.07	54.29	25.22	1000.0	9.000	N	OFF	9.6
0.184328	36.74	---	64.29	27.55	1000.0	9.000	N	OFF	9.6
0.205223	---	25.32	53.40	28.08	1000.0	9.000	N	OFF	9.6
0.205223	33.54	---	63.40	29.86	1000.0	9.000	N	OFF	9.6
0.288803	37.39	---	60.56	23.17	1000.0	9.000	N	OFF	9.6
0.288803	---	34.78	50.56	15.78	1000.0	9.000	N	OFF	9.6
0.308205	32.38	---	60.02	27.63	1000.0	9.000	N	OFF	9.6
0.308205	---	27.36	50.02	22.66	1000.0	9.000	N	OFF	9.6
13.560113	---	42.94	50.00	7.06	1000.0	9.000	N	OFF	9.7
13.560113	55.72	---	60.00	4.28	1000.0	9.000	N	OFF	9.7

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).  
 3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.  
 4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.  
 5. Pre-testing all test modes and channels, and find the MCH of 11B which is the worst case, so only the worst case is included in this test report.

**RESULTS WITH A DUMMY LOAD IN LIEU OF THE ANTENNA**

**LINE L RESULTS (WORST-CASE CONFIGURATION)**



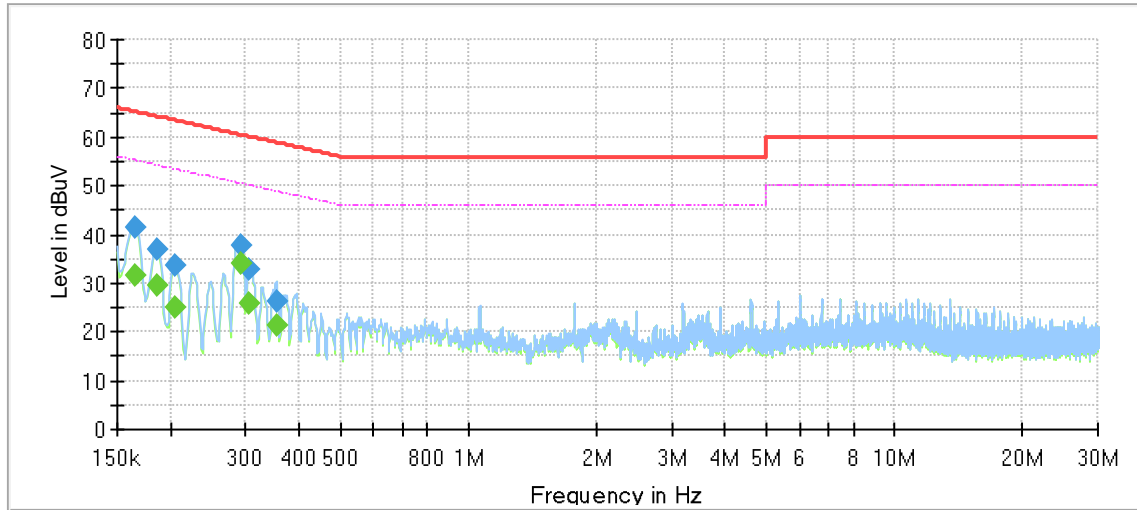
**Final\_Result**

Frequency [MHz]	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. [dB]
0.163433	---	30.66	55.29	24.62	1000.0	9.000	L1	OFF	9.6
0.164925	41.22	---	65.21	23.99	1000.0	9.000	L1	OFF	9.6
0.184328	---	28.81	54.29	25.48	1000.0	9.000	L1	OFF	9.6
0.184328	36.32	---	64.29	27.97	1000.0	9.000	L1	OFF	9.6
0.205223	---	25.10	53.40	28.30	1000.0	9.000	L1	OFF	9.6
0.205223	33.20	---	63.40	30.20	1000.0	9.000	L1	OFF	9.6
0.270893	28.19	---	61.09	32.90	1000.0	9.000	L1	OFF	9.6
0.270893	---	21.48	51.09	29.61	1000.0	9.000	L1	OFF	9.6
0.287310	37.31	---	60.60	23.29	1000.0	9.000	L1	OFF	9.6
0.287310	---	33.82	50.60	16.78	1000.0	9.000	L1	OFF	9.6
0.312683	---	25.65	49.90	24.25	1000.0	9.000	L1	OFF	9.6
0.312683	29.20	---	59.90	30.69	1000.0	9.000	L1	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.



**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]
0.164925	---	31.72	55.21	23.49	1000.0	9.000	N	OFF	9.6
0.164925	41.25	---	65.21	23.96	1000.0	9.000	N	OFF	9.6
0.185820	---	29.71	54.22	24.51	1000.0	9.000	N	OFF	9.6
0.185820	36.85	---	64.22	27.37	1000.0	9.000	N	OFF	9.6
0.205223	---	25.04	53.40	28.36	1000.0	9.000	N	OFF	9.6
0.205223	33.55	---	63.40	29.84	1000.0	9.000	N	OFF	9.6
0.291788	37.69	---	60.47	22.78	1000.0	9.000	N	OFF	9.6
0.291788	---	33.87	50.47	16.60	1000.0	9.000	N	OFF	9.6
0.306713	32.66	---	60.06	27.40	1000.0	9.000	N	OFF	9.6
0.306713	---	25.70	50.06	24.36	1000.0	9.000	N	OFF	9.6
0.354473	---	21.24	48.86	27.62	1000.0	9.000	N	OFF	9.6
0.354473	26.32	---	58.86	32.53	1000.0	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**