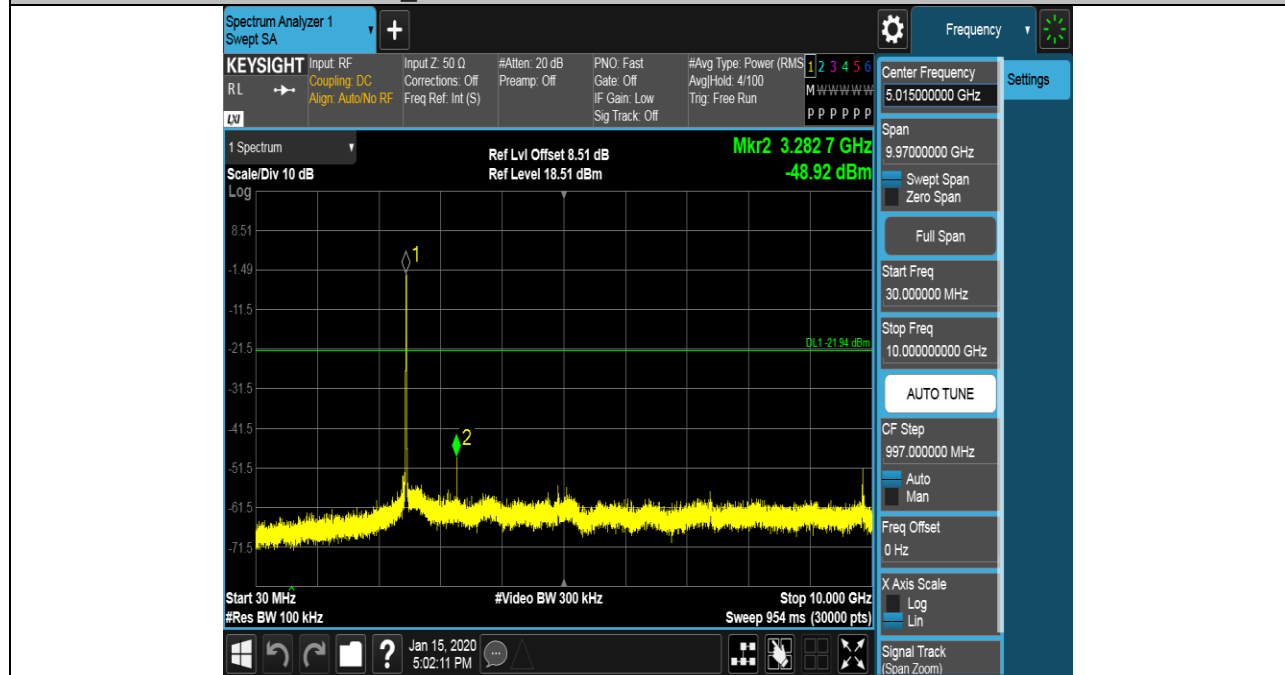


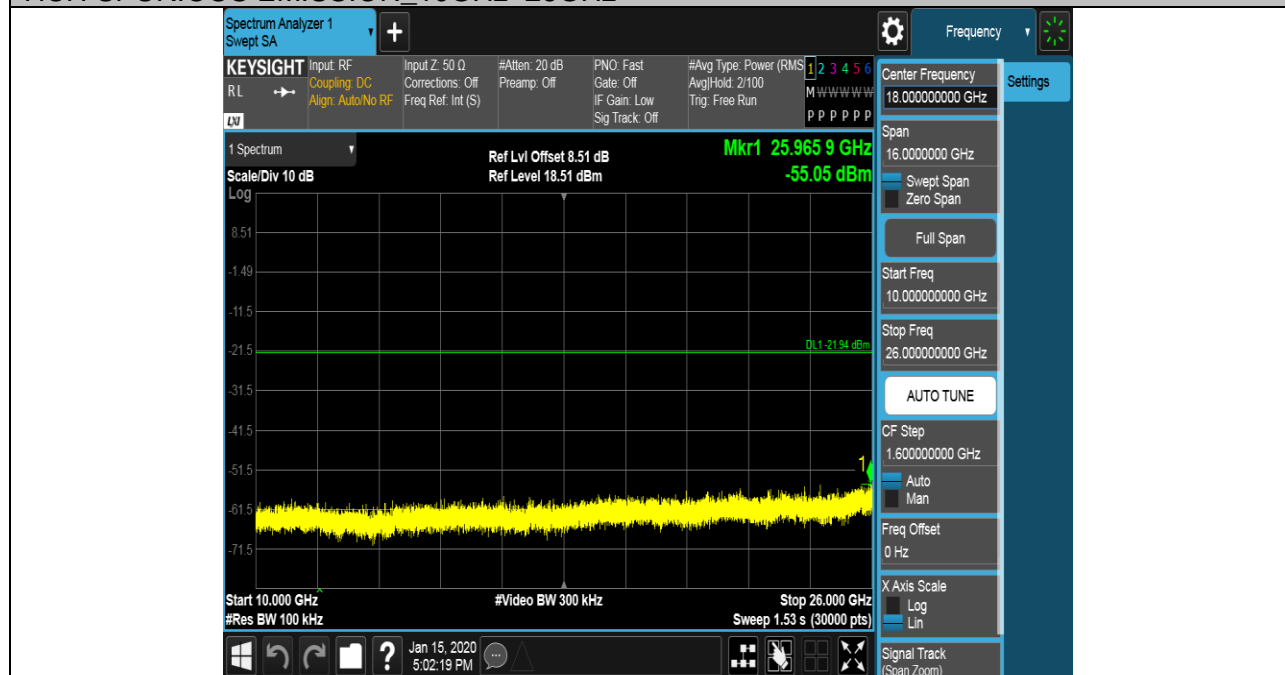


Puw test Plot

HCH SPURIOUS EMISSION\_30MHz~10GHz



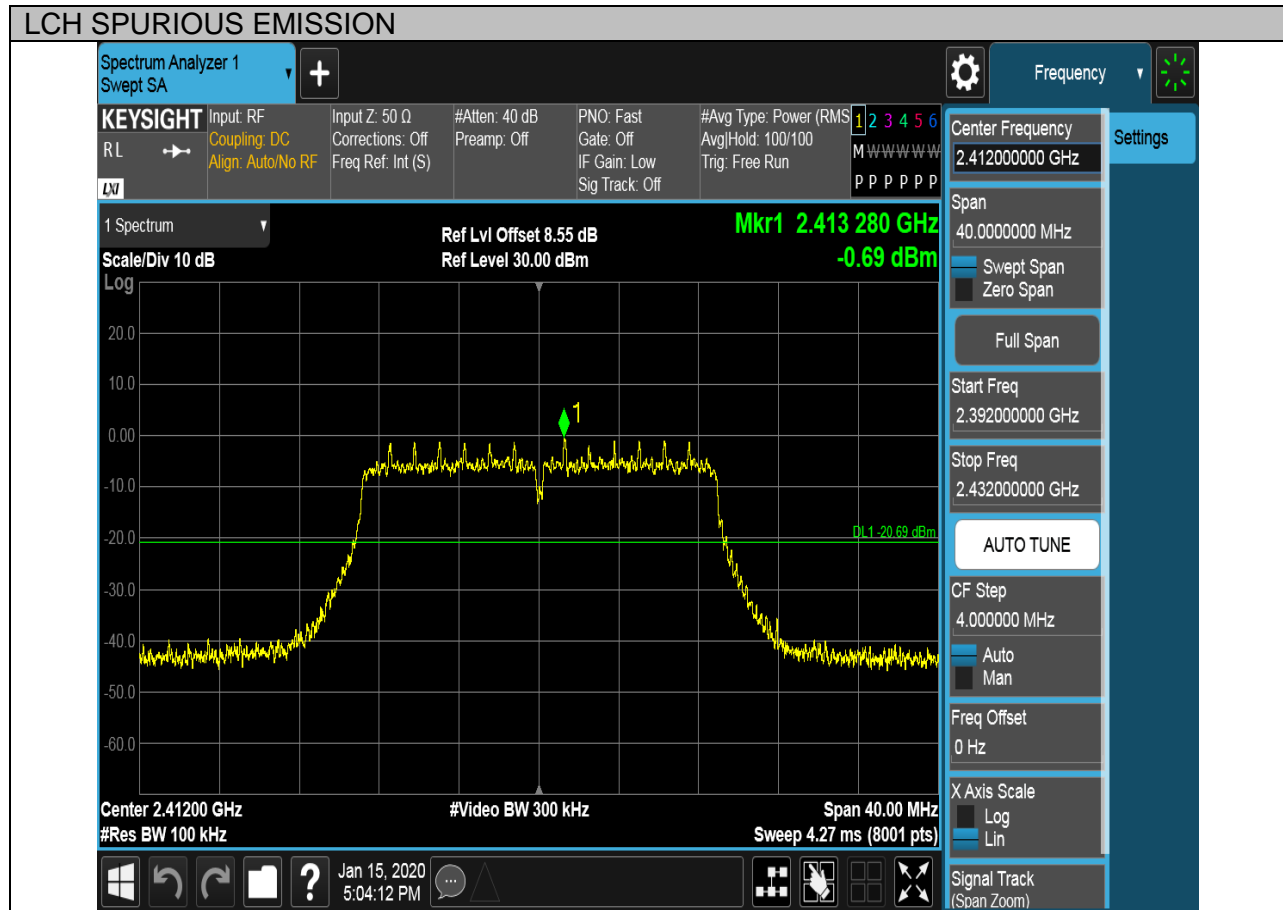
HCH SPURIOUS EMISSION\_10GHz~26GHz





Test Mode	Channel	Verdict
11N HT20	LCH	PASS

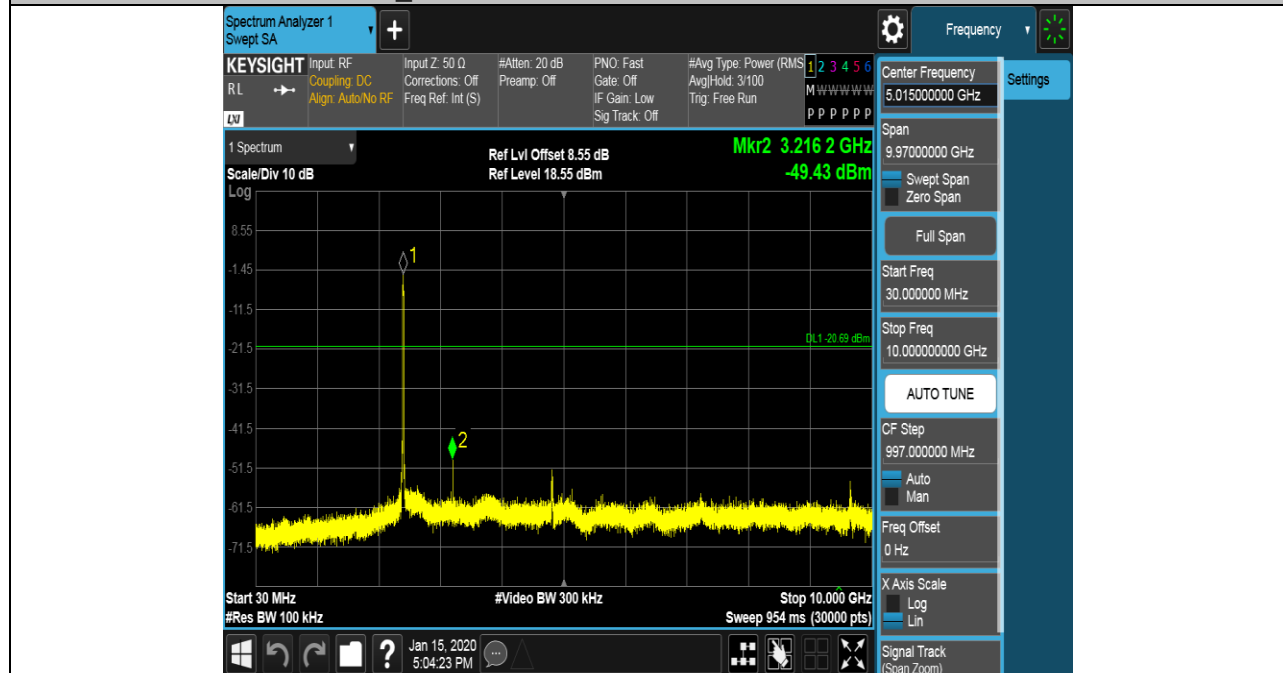
### Pref test Plot



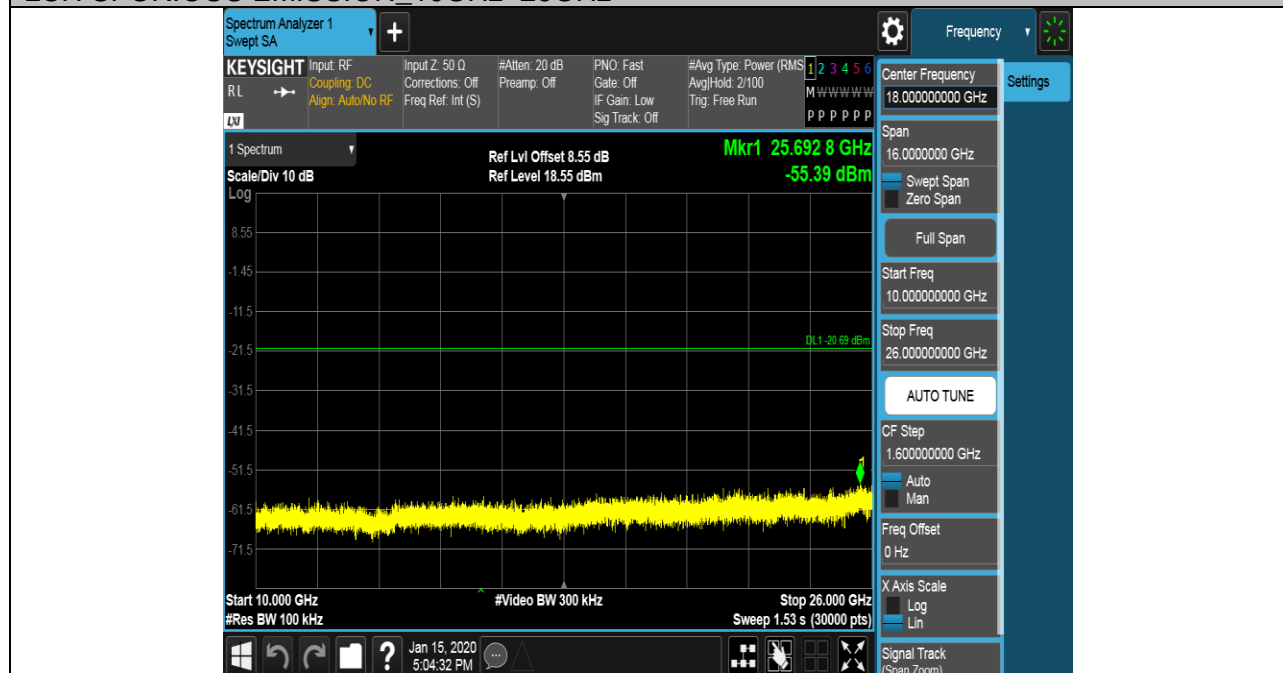


Puw test Plot

LCH SPURIOUS EMISSION 30MHz~10GHz



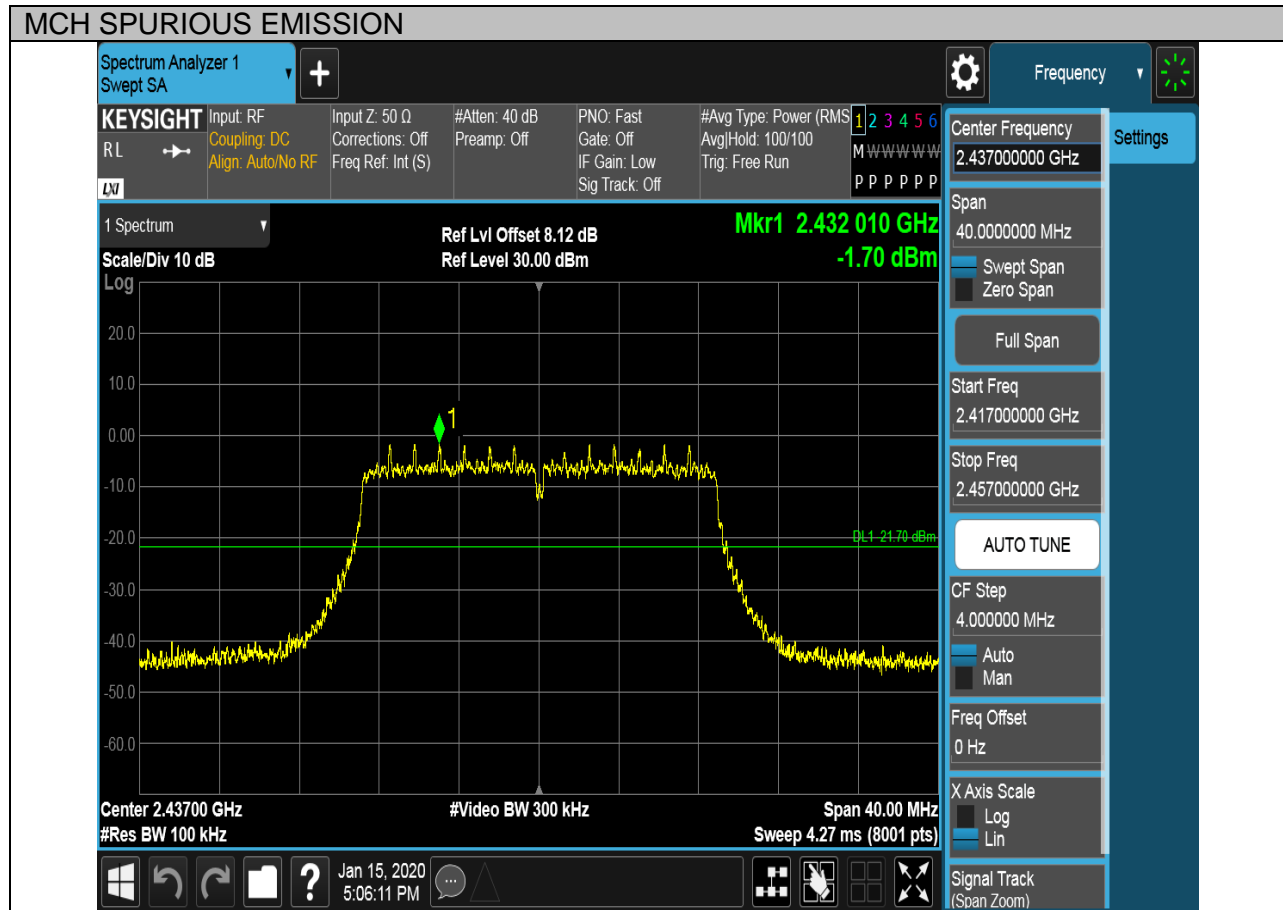
LCH SPURIOUS EMISSION 10GHz~26GHz





Test Mode	Channel	Verdict
11N HT20	MCH	PASS

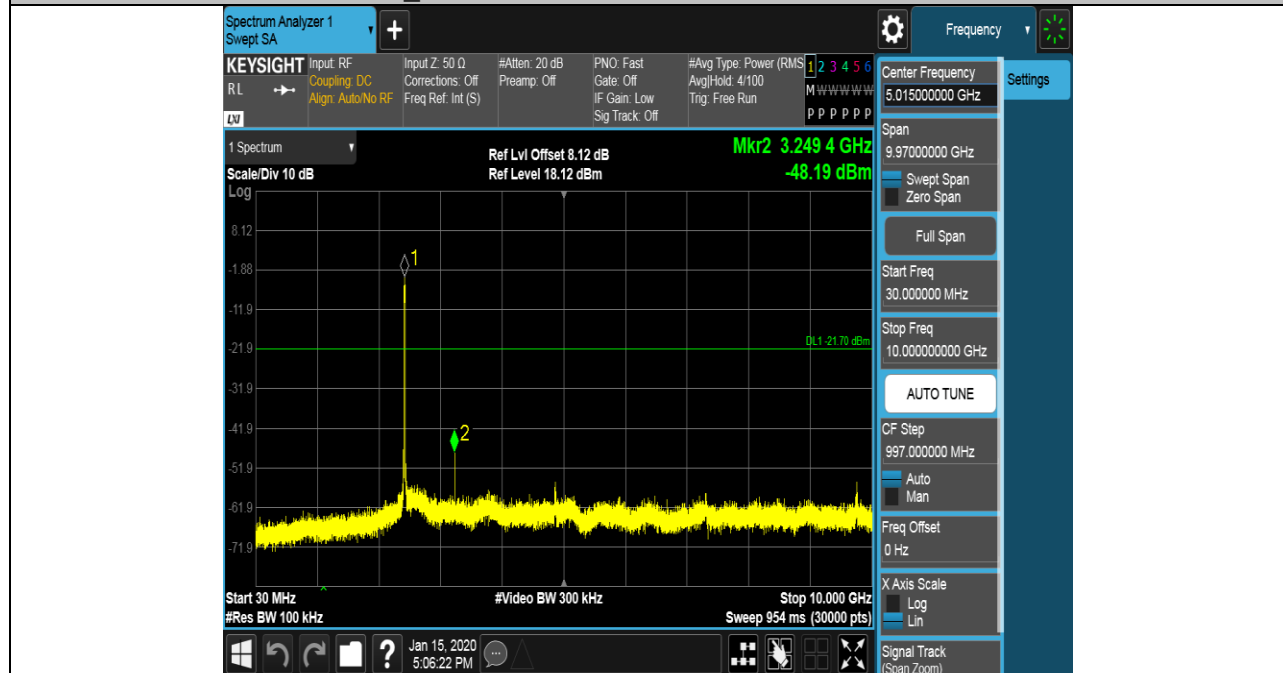
### Pref test Plot



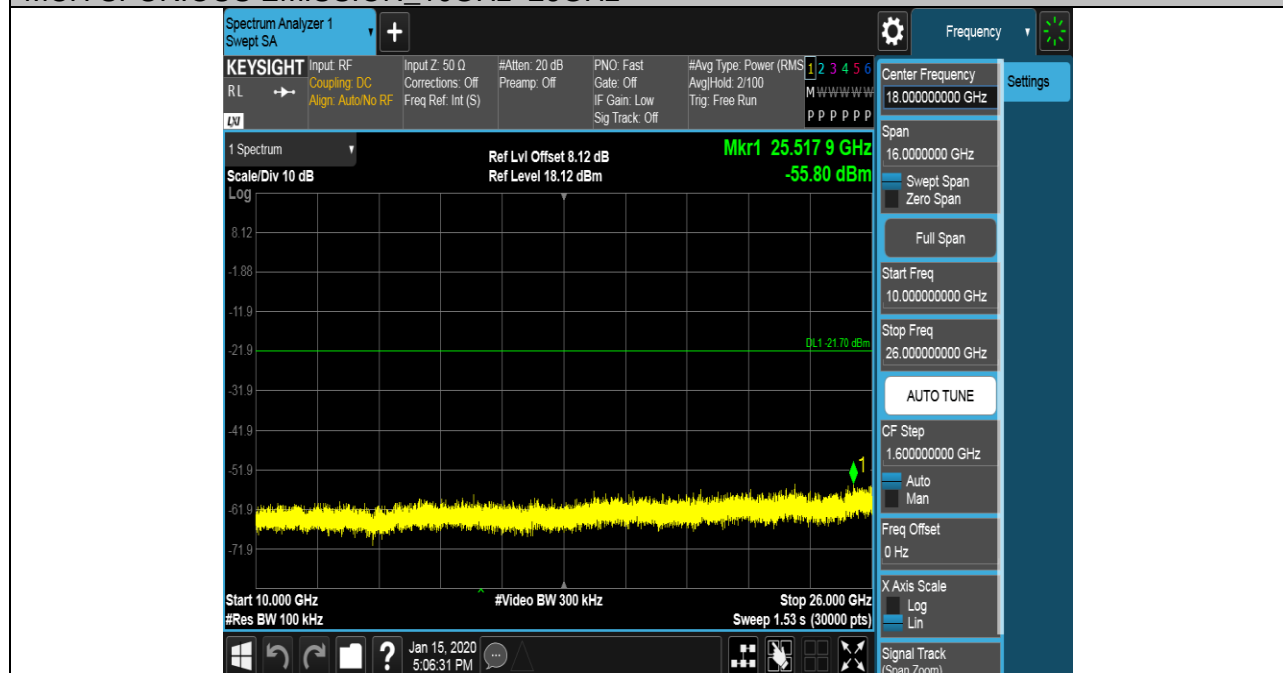


Puw test Plot

MCH SPURIOUS EMISSION\_30MHz~10GHz



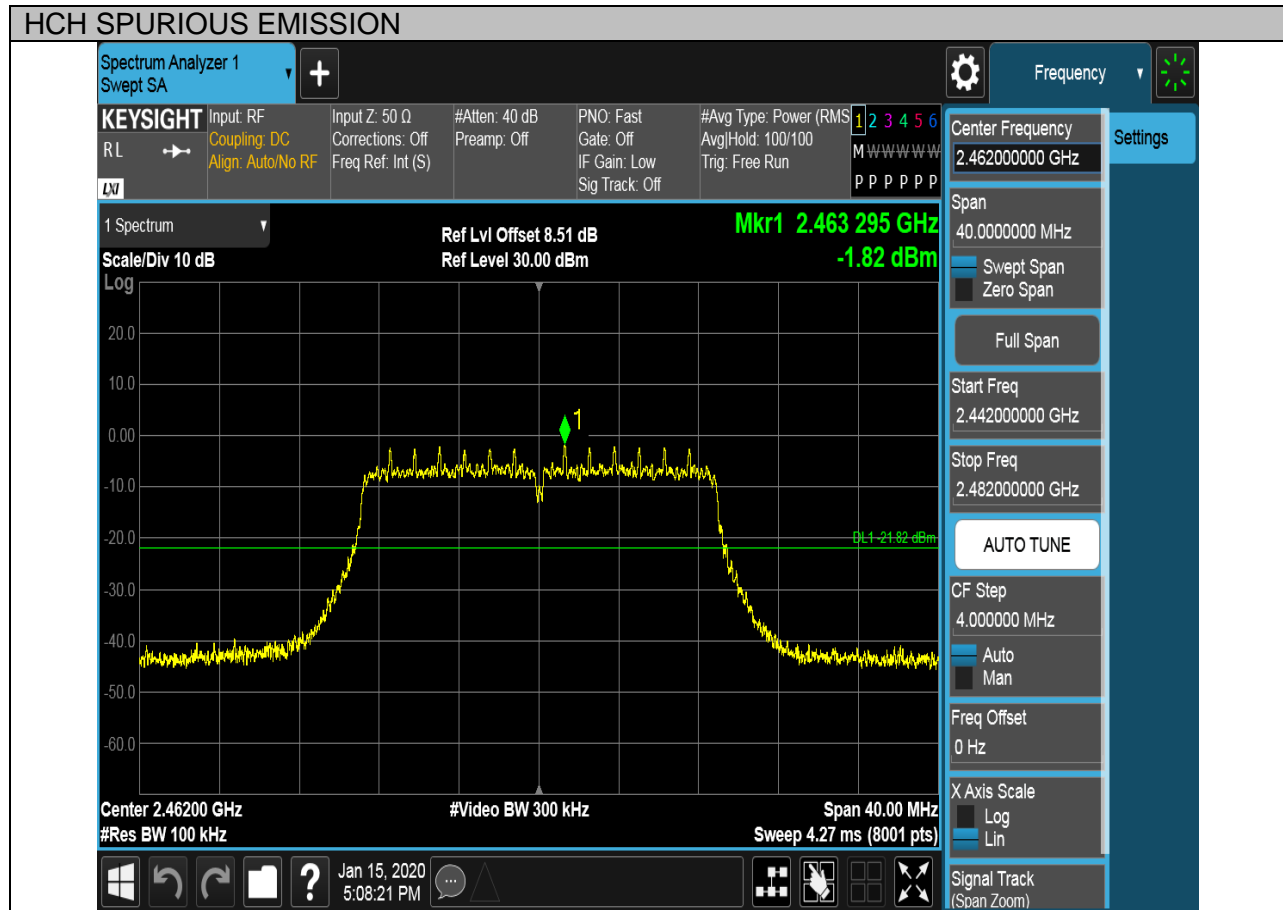
MCH SPURIOUS EMISSION\_10GHz~26GHz





Test Mode	Channel	Verdict
11N HT20	HCH	PASS

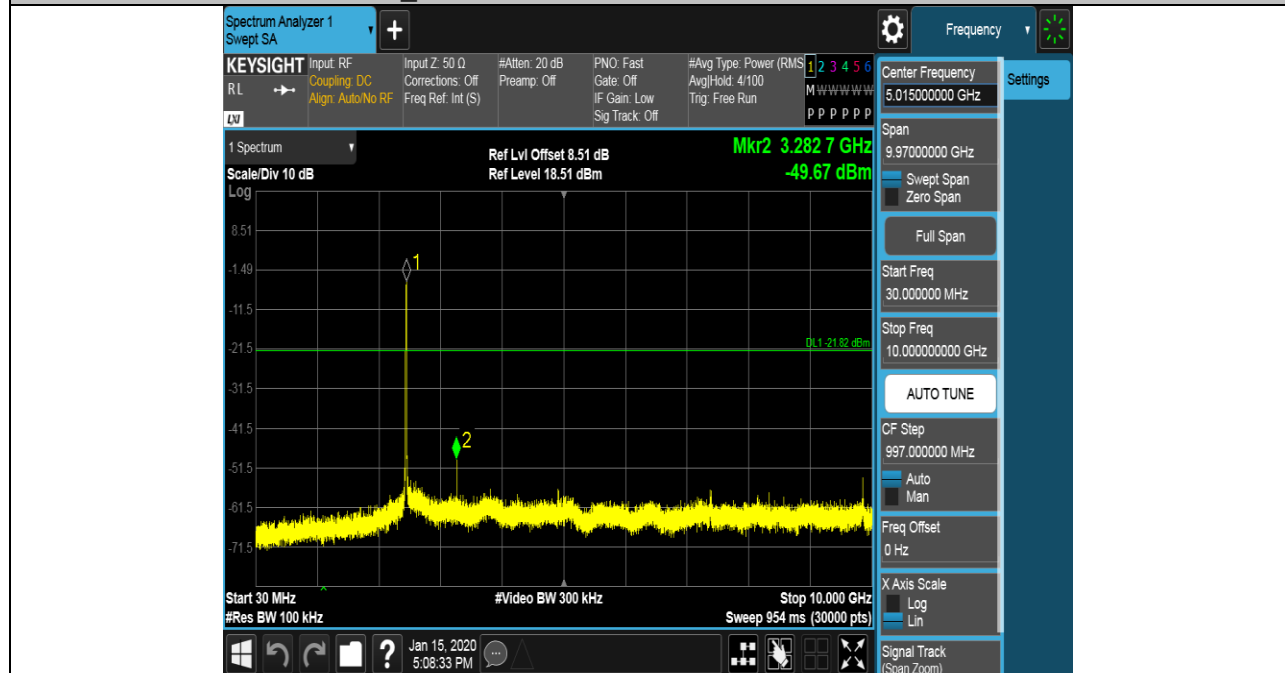
### Pref test Plot



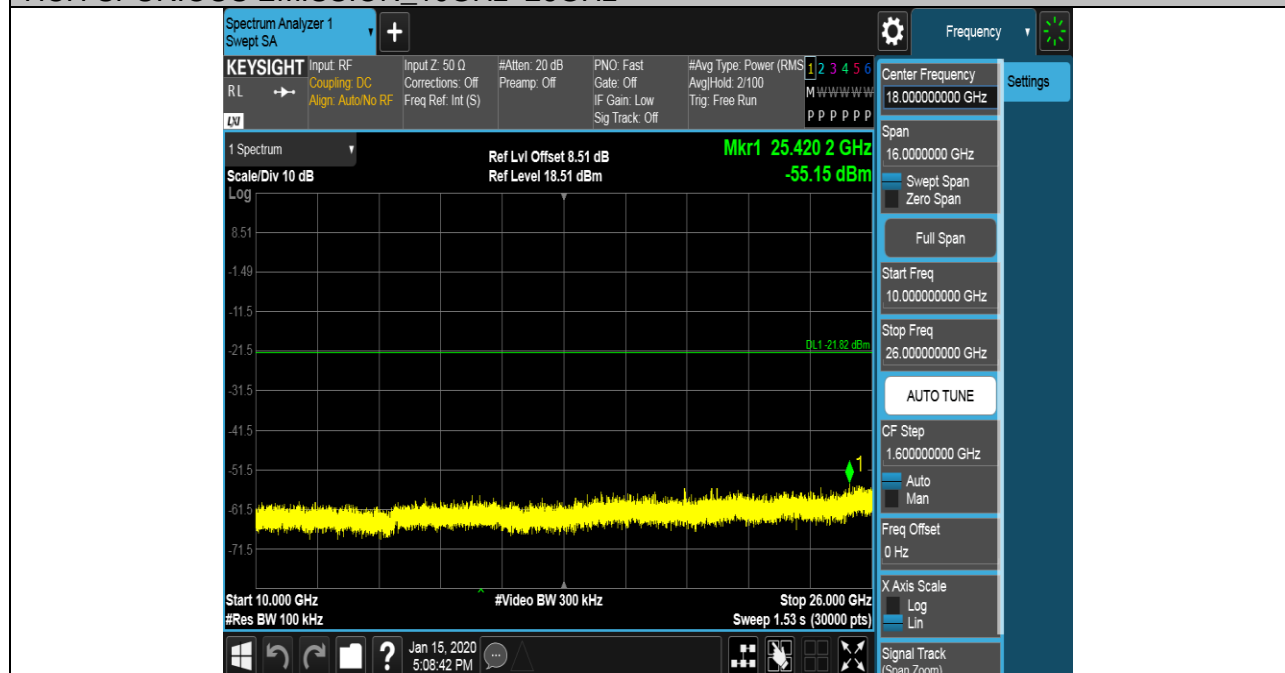


Puw test Plot

HCH SPURIOUS EMISSION\_30MHz~10GHz



HCH SPURIOUS EMISSION\_10GHz~26GHz



## 7.6. RADIATED TEST RESULTS

### 7.6.1. LIMITS AND PROCEDURE

#### LIMITS

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

Please refer to FCC KDB 558074

Radiation Disturbance Test Limit for FCC (Class B)(9KHz-1GHz)

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

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

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





Radiation Disturbance Test Limit for FCC (Above 1G)

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

Restricted bands of operation

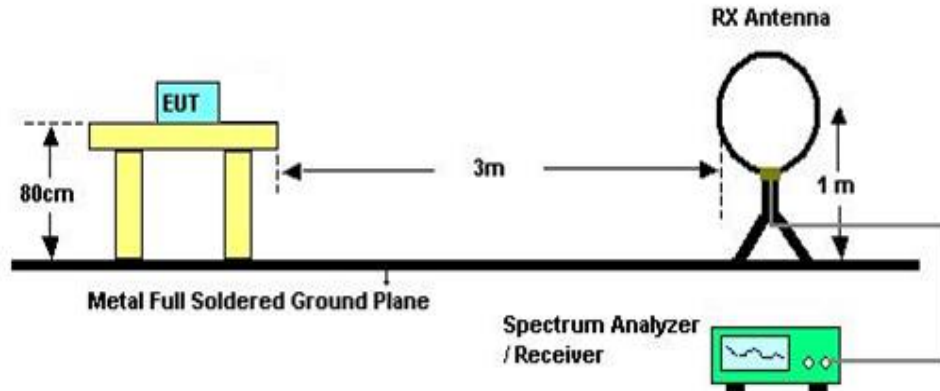
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5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

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

<sup>2</sup>Above 38.6c

## TEST SETUP AND PROCEDURE

Below 30MHz

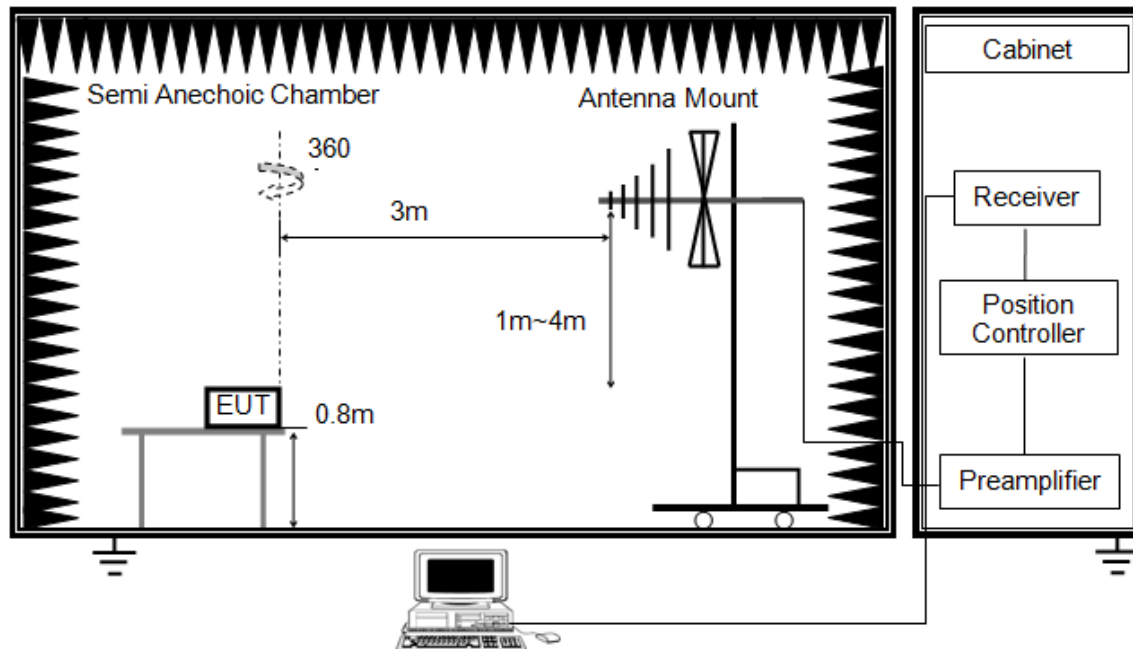


The setting of the spectrum analyser

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

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

Below 1G

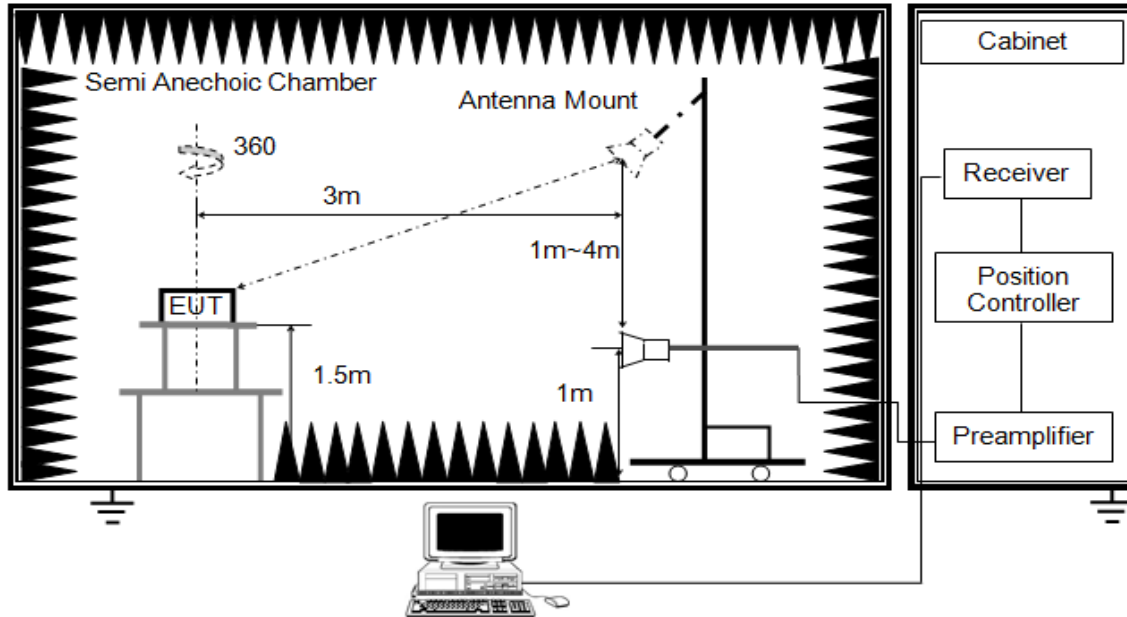


The setting of the spectrum analyser

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

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

## ABOVE 1G

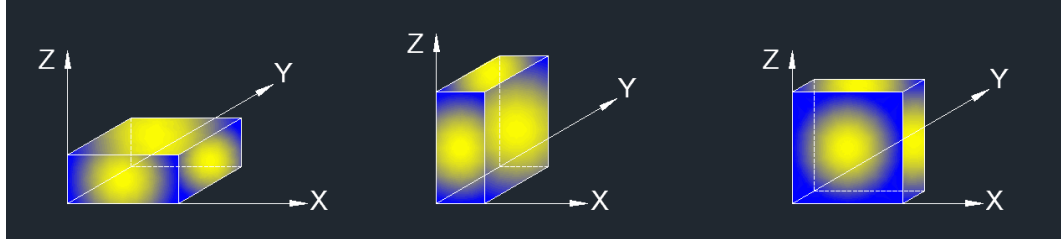


The setting of the spectrum analyser

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

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with set  $VBW \leq RBW/100$ , but not less than 10Hz video bandwidth with peak detector, max hold to be run for at least 50 traces for average measurements.
8. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)

X axis, Y axis, Z axis positions:



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

## 7.6.2. TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	DC 21.6V

## 7.6.3. RESTRICTED BANDEDGE

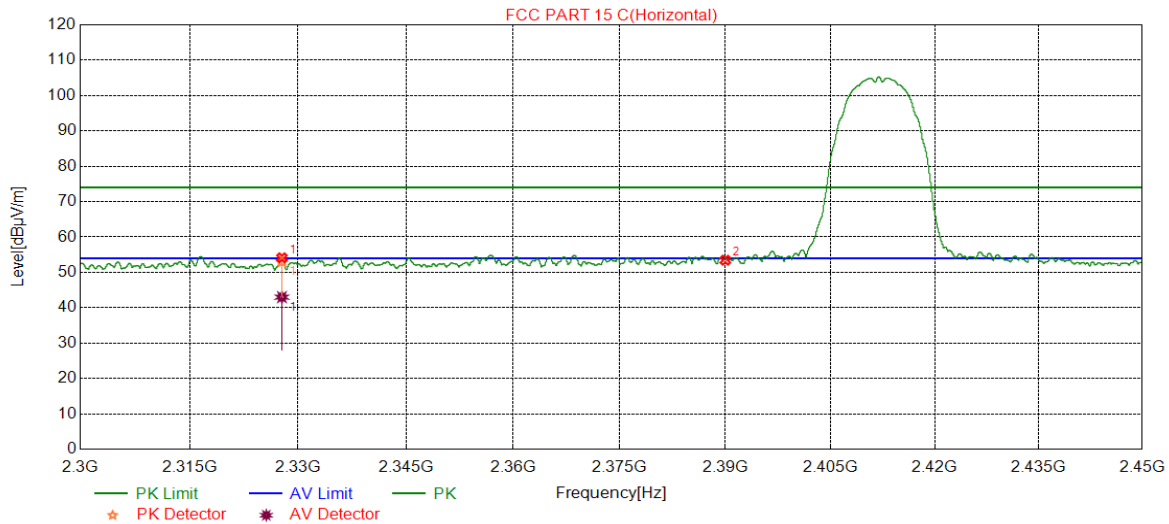
Test Result Table

Test Mode	Test Antenna	Channel	P <sub>uw</sub> (dBm)	Verdict
11B SISO	Antenna1	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11G SISO	Antenna1	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11N HT20	Antenna1	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS



**Test Graphs:**

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

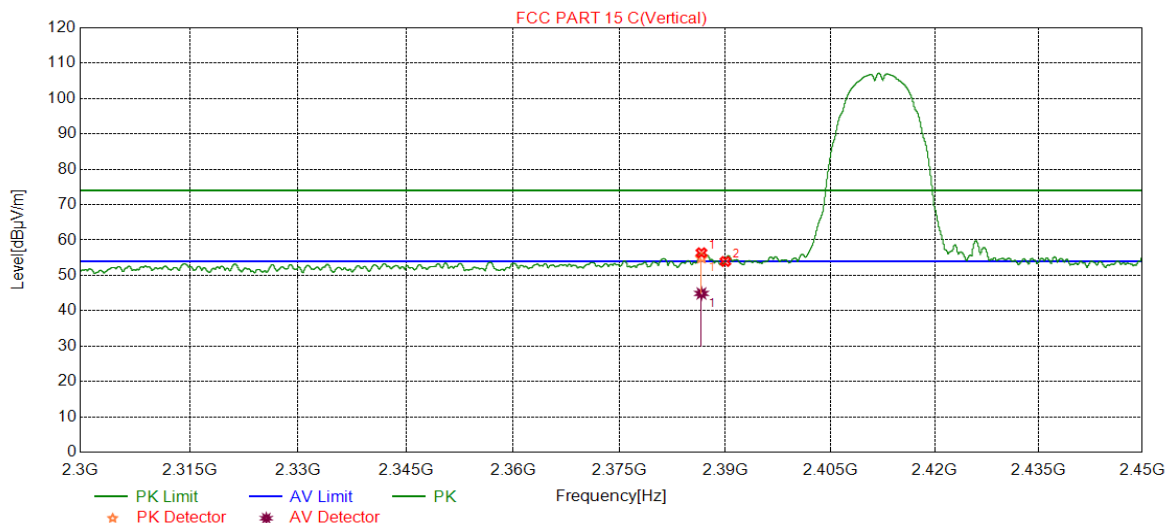


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2327.7535	40.71	13.40	54.11	74.00	-19.89	peak
		29.59	13.40	42.99	54.00	-11.01	average
2	2390.0000	39.34	14.09	53.43	74.00	-20.57	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS

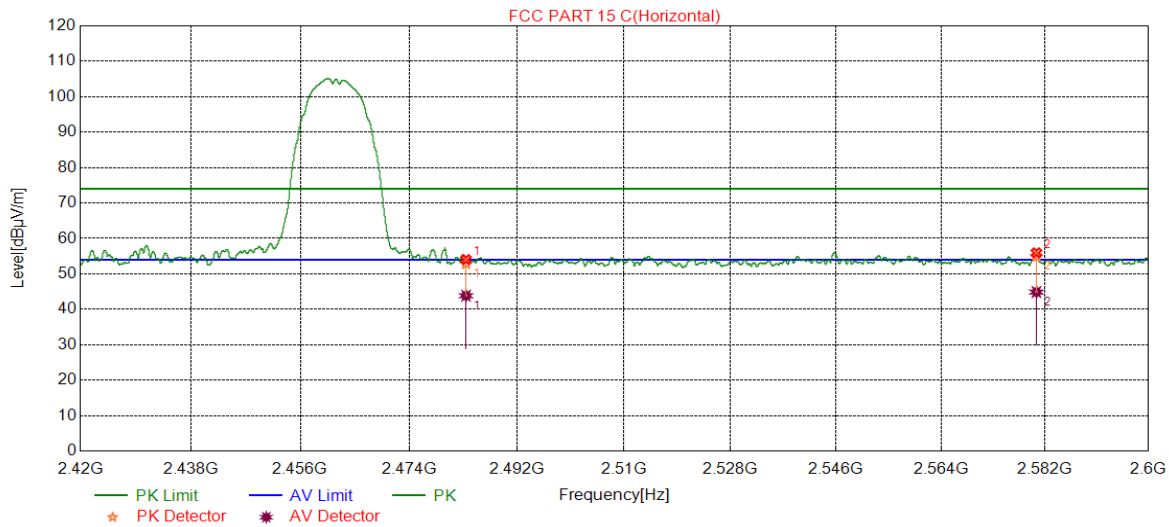


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2386.5983	42.35	14.03	56.38	74.00	-17.62	peak
		30.85	14.03	44.88	54.00	-9.12	average
2	2390.0000	39.84	14.09	53.93	74.00	-20.07	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



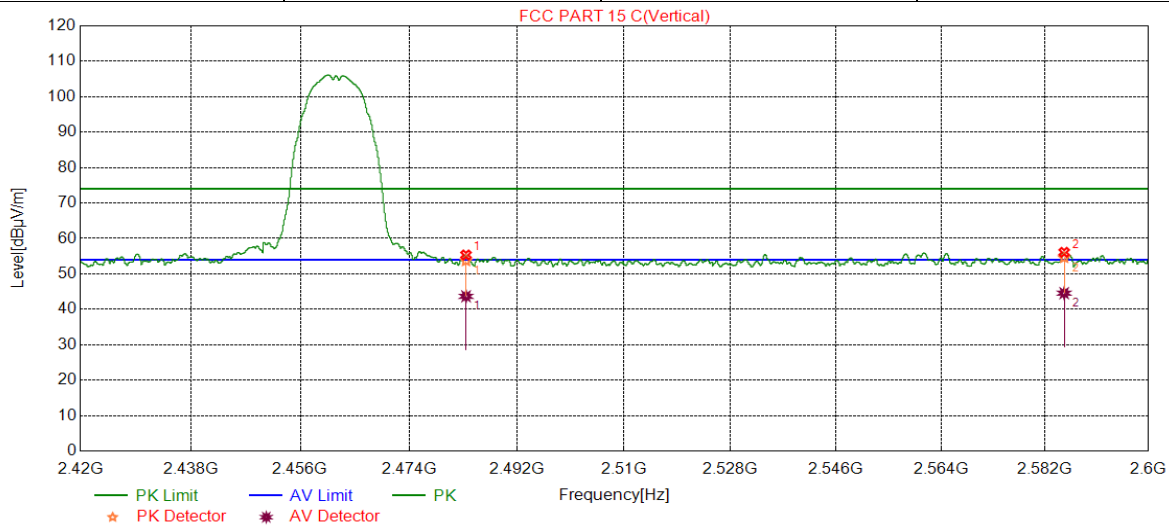
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	40.15	13.88	54.03	74.00	-19.97	peak
		29.95	13.88	43.83	54.00	-10.17	average
2	2580.4860	41.48	14.45	55.93	74.00	-18.07	peak
		30.42	14.45	44.87	54.00	-9.13	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS

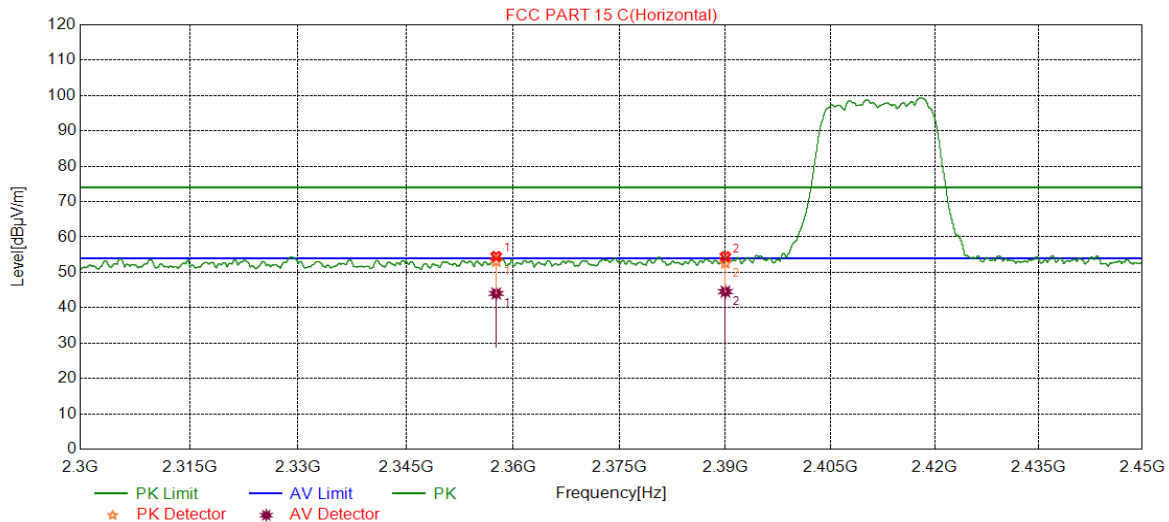


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	41.46	13.88	55.34	74.00	-18.66	peak
		29.78	13.88	43.66	54.00	-10.34	average
2	2585.2925	41.61	14.48	56.09	74.00	-17.91	peak
		30.07	14.48	44.55	54.00	-9.45	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS

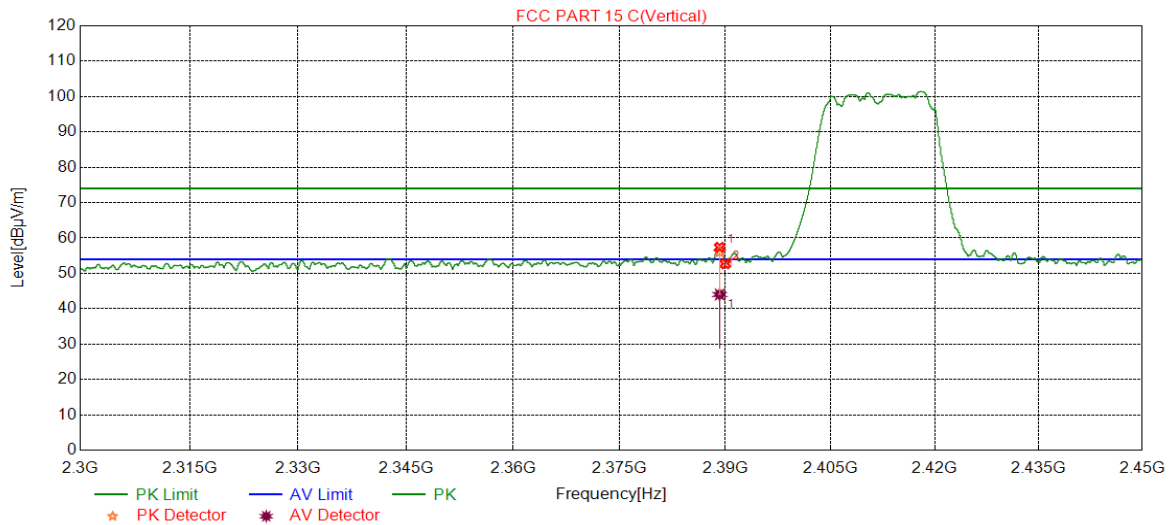


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2357.6260	40.81	13.71	54.52	74.00	-19.48	peak
		30.31	13.71	44.02	54.00	-9.98	average
2	2390.0000	40.37	14.09	54.46	74.00	-19.54	peak
		30.46	14.09	44.55	54.00	-9.45	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS

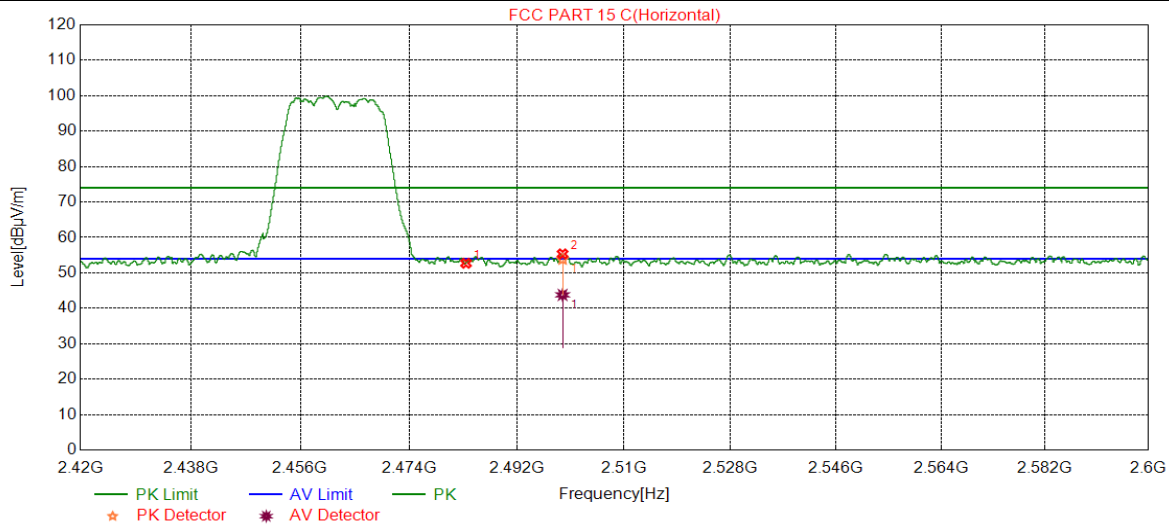


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.1861	43.29	14.07	57.36	74.00	-16.64	peak
		29.95	14.07	44.02	54.00	-9.98	average
2	2390.0000	38.62	14.09	52.71	74.00	-21.29	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS

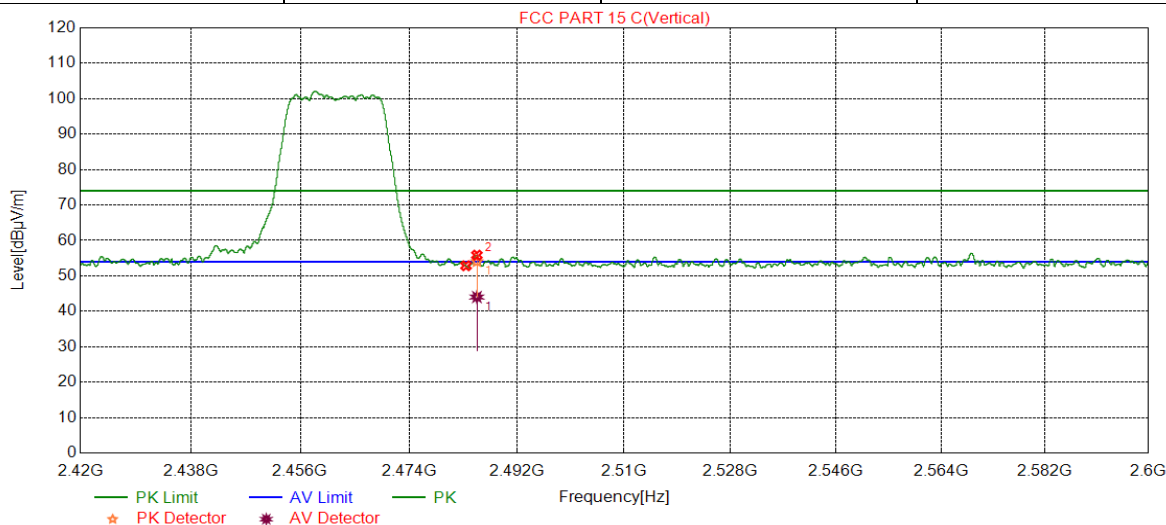


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	38.84	13.88	52.72	74.00	-21.28	peak
2	2499.6580	41.24	14.11	55.35	74.00	-18.65	peak
		29.67	14.11	43.78	54.00	-10.22	average

- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. For average power measurement, set the VBW to Minimum VBW=10 Hz.
  5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS

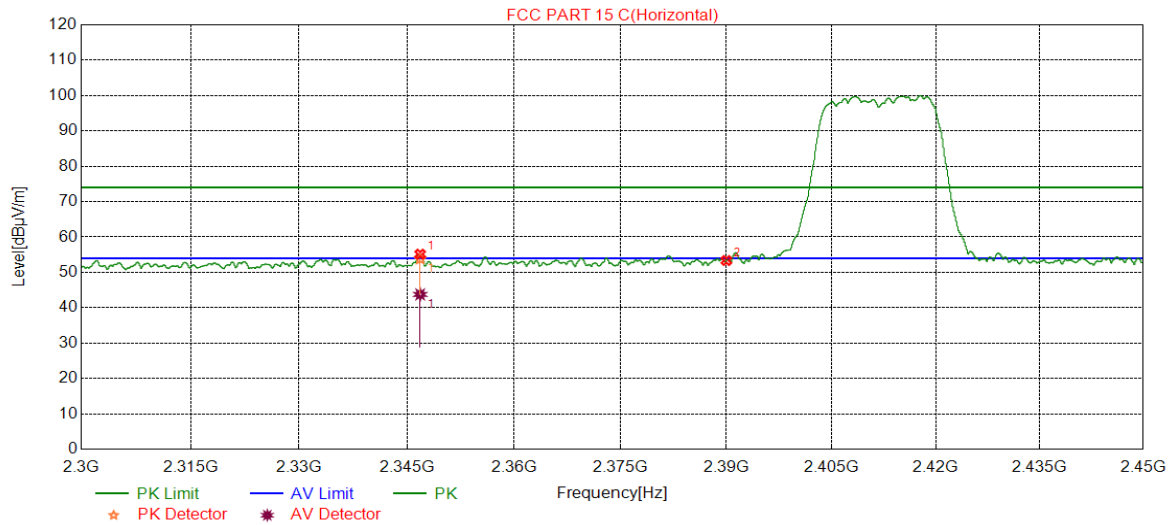


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	38.98	13.88	52.86	74.00	-21.14	peak
2	2485.3105	41.94	13.91	55.85	74.00	-18.15	peak
		30.11	13.91	44.02	54.00	-9.98	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS

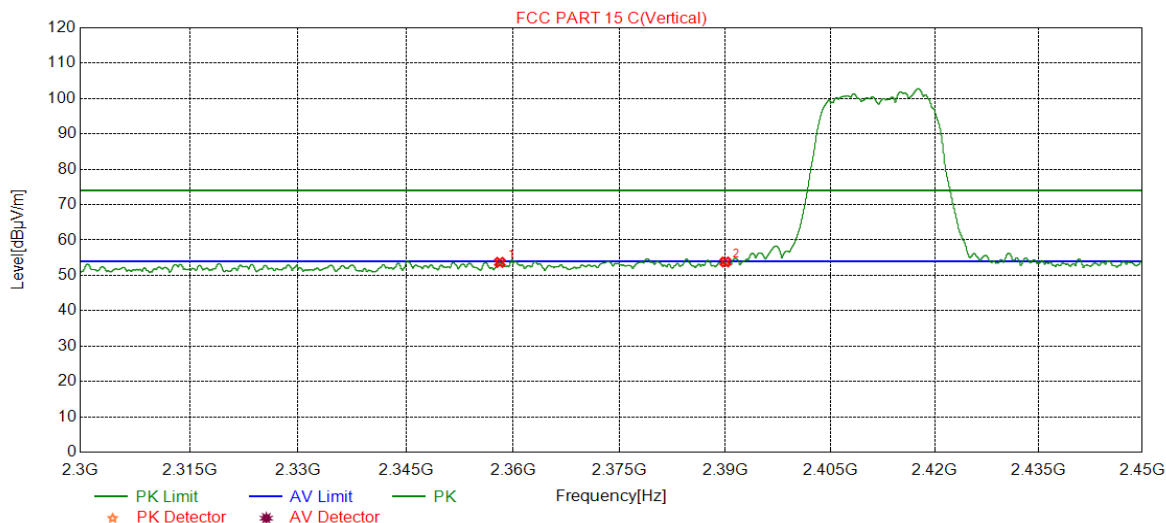


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2346.8434	41.50	13.65	55.15	74.00	-18.85	peak
		30.11	13.65	43.76	54.00	-10.24	average
2	2390.0000	39.25	14.09	53.34	74.00	-20.66	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS

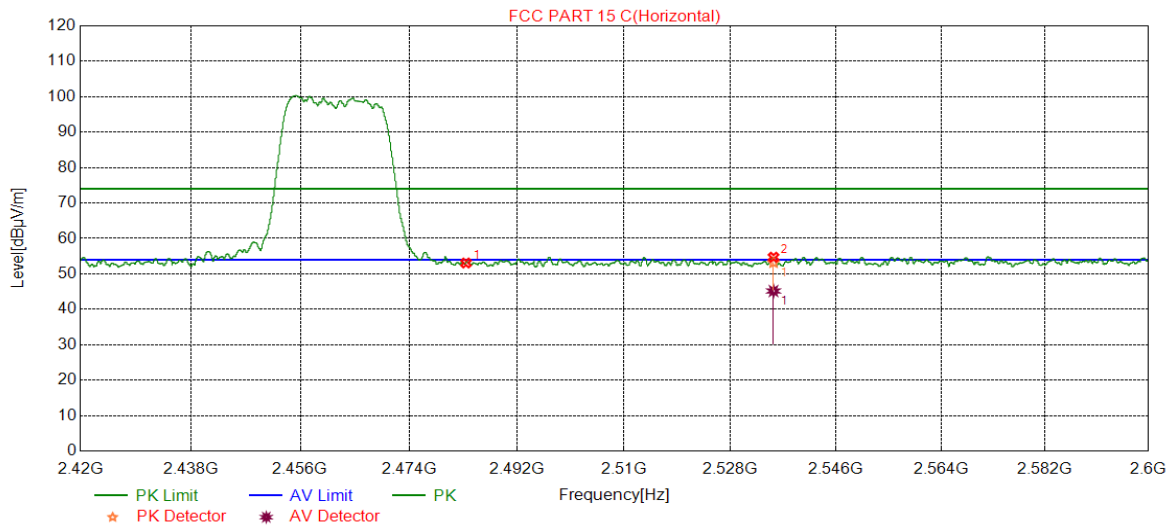


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2358.1323	39.97	13.71	53.68	74.00	-20.32	peak
2	2390.0000	39.70	14.09	53.79	74.00	-20.21	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS



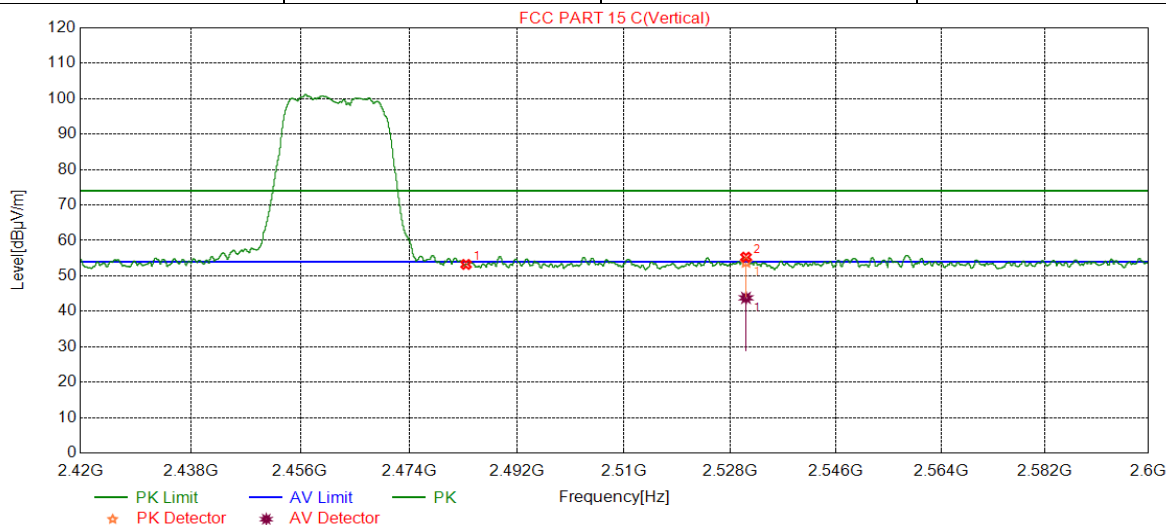
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	39.19	13.88	53.07	74.00	-20.93	peak
2	2535.3195	40.40	14.30	54.70	74.00	-19.30	peak
		30.86	14.30	45.16	54.00	-8.84	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	39.35	13.88	53.23	74.00	-20.77	peak
2	2530.6391	41.03	14.26	55.29	74.00	-18.71	peak
		29.53	14.26	43.79	54.00	-10.21	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. For average power measurement, set the VBW to Minimum VBW=10 Hz.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



## 7.6.4.SPURIOUS EMISSIONS

Test Result Table:

11B SISO	Antenna1	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11G SISO	Antenna1	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11N HT20	Antenna1	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS

### 2) For 9KHz~30MHz

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11N HT20	Antenna1	LCH	<Limit	PASS

Remark:

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

### 3) For 30MHz~1GHz

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11N HT20	Antenna1	LCH	<Limit	PASS

Remark:

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

### 4) For 18GHz~26.5GHz

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11N HT20	Antenna1	LCH	<Limit	PASS

Remark:

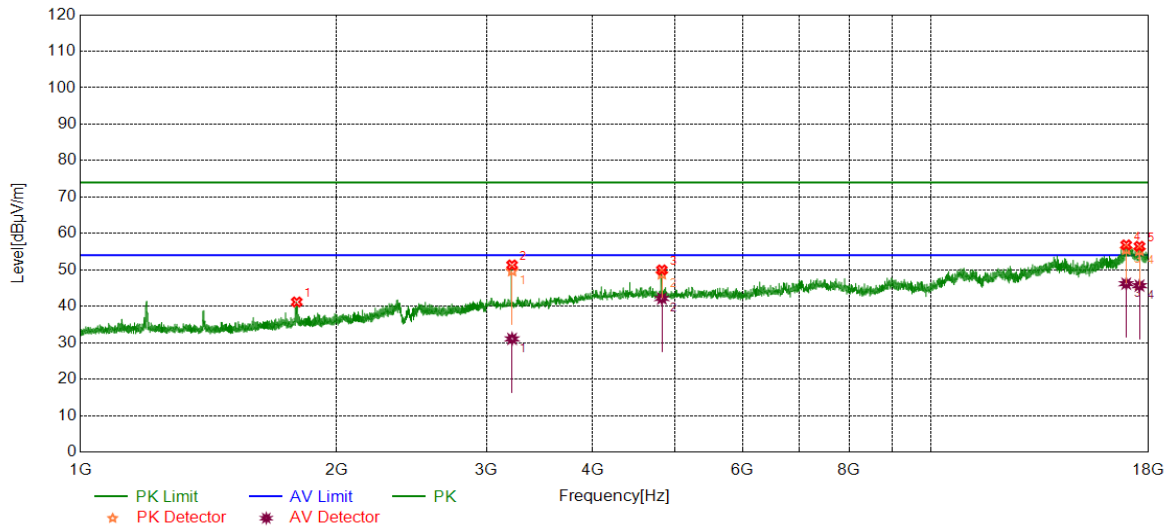
1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.



**Part I: 1GHz~18GHz**

**HARMONICS AND SPURIOUS EMISSIONS**

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

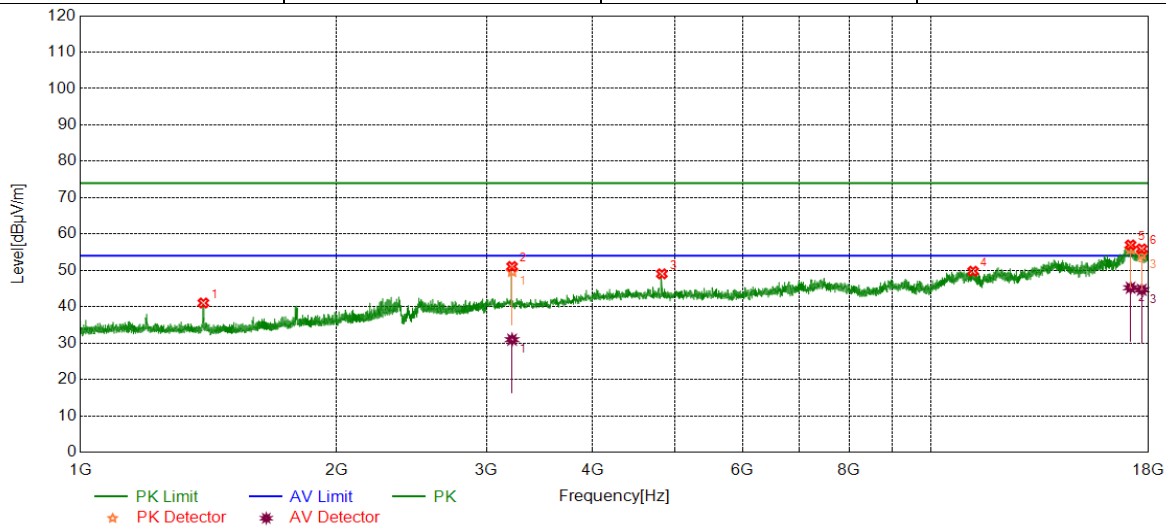


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1795.8495	45.11	-3.92	41.19	74.00	-32.81	peak
2	3215.6520	49.53	1.81	51.34	74.00	-22.66	peak
		29.24	1.81	31.05	54.00	-22.95	average
3	4822.7278	45.04	4.94	49.98	74.00	-24.02	peak
		37.20	4.94	42.14	54.00	-11.86	average
4	16940.4926	36.77	20.08	56.85	74.00	-17.15	peak
		26.13	20.08	46.21	54.00	-7.79	average
5	17561.1951	37.03	19.44	56.47	74.00	-17.53	peak
		26.23	19.44	45.67	54.00	-8.33	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS

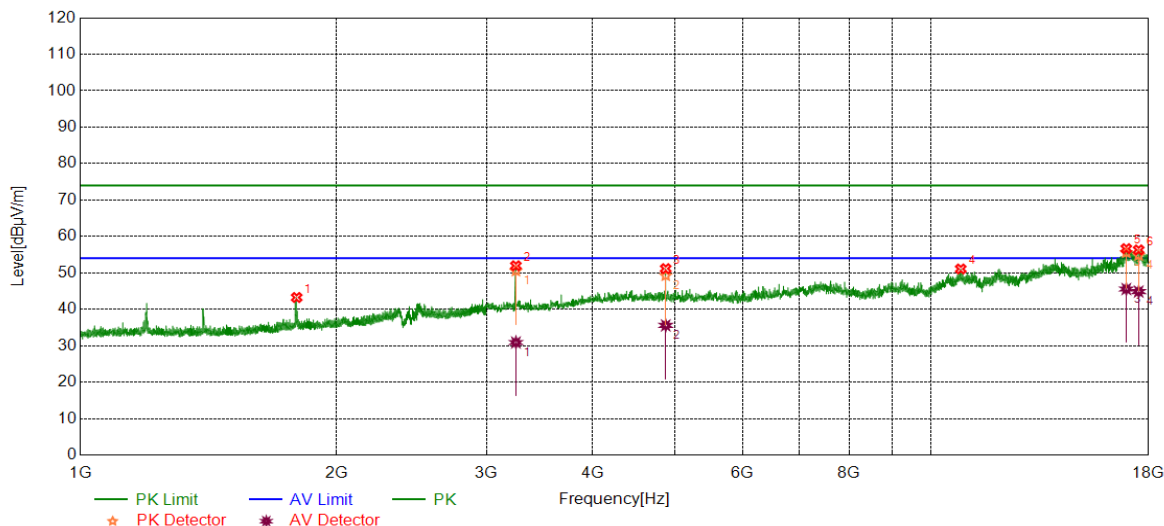


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1395.0494	46.68	-5.65	41.03	74.00	-32.97	peak
2	3215.6520	49.27	1.81	51.08	74.00	-22.92	peak
		29.13	1.81	30.94	54.00	-23.06	average
3	4822.7278	44.10	4.94	49.04	74.00	-24.96	peak
4	11194.7743	37.18	12.58	49.76	74.00	-24.24	peak
5	17141.1426	37.64	19.35	56.99	74.00	-17.01	peak
		25.87	19.35	45.22	54.00	-8.78	average
6	17669.9587	36.21	19.70	55.91	74.00	-18.09	peak
		24.97	19.70	44.67	54.00	-9.33	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS

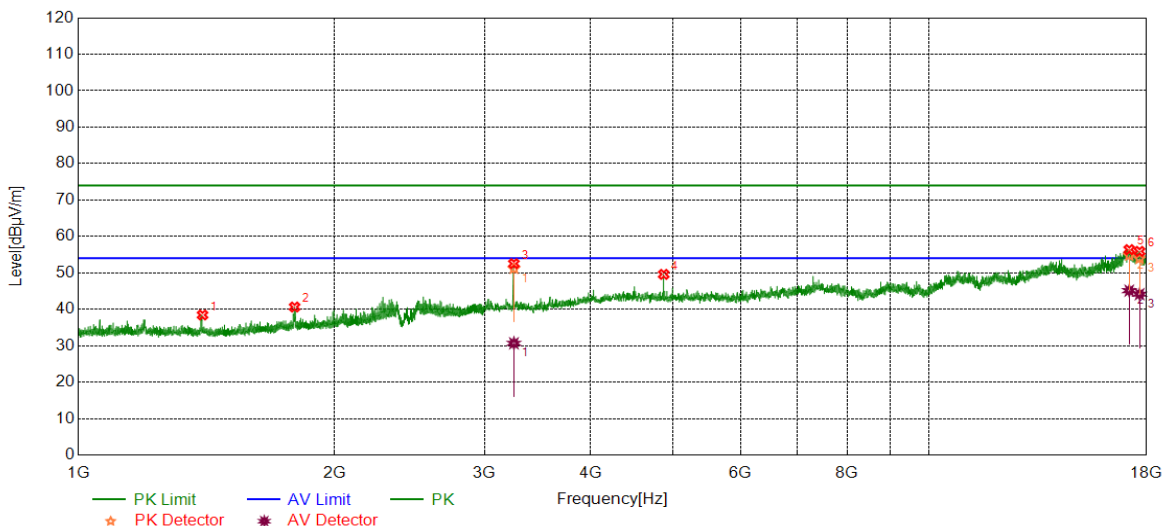


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1795.3494	47.17	-3.93	43.24	74.00	-30.76	peak
2	3249.4062	50.13	1.82	51.95	74.00	-22.05	peak
		29.06	1.82	30.88	54.00	-23.12	average
3	4873.3592	45.95	5.21	51.16	74.00	-22.84	peak
		30.36	5.21	35.57	54.00	-18.43	average
4	10827.2284	38.39	12.68	51.07	74.00	-22.93	peak
5	16944.2430	36.67	19.99	56.66	74.00	-17.34	peak
		25.57	19.99	45.56	54.00	-8.44	average
6	17521.8152	36.65	19.65	56.30	74.00	-17.70	peak
		25.22	19.65	44.87	54.00	-9.13	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1399.2999	44.00	-5.56	38.44	74.00	-35.56	peak
2	1795.0994	44.56	-3.93	40.63	74.00	-33.37	peak
3	3249.4062	50.71	1.82	52.53	74.00	-21.47	peak
		28.84	1.82	30.66	54.00	-23.34	average
4	4873.3592	44.38	5.21	49.59	74.00	-24.41	peak
5	17173.0216	36.90	19.48	56.38	74.00	-17.62	peak
		25.64	19.48	45.12	54.00	-8.88	average
6	17660.5826	36.55	19.35	55.90	74.00	-18.10	peak
		24.80	19.35	44.15	54.00	-9.85	average

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

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

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

4. Peak: Peak detector.

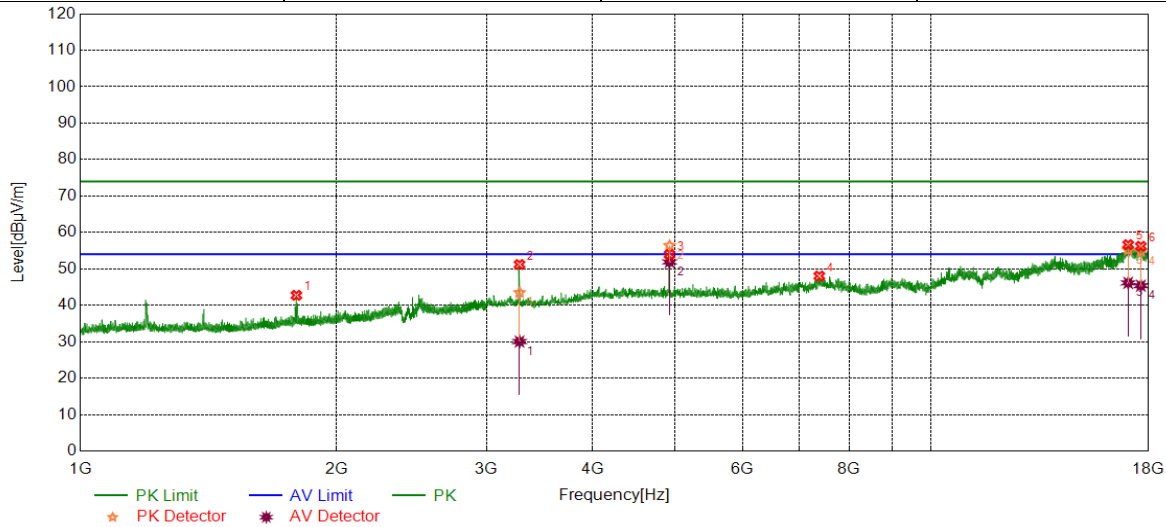
5. AVG: VBW=10 Hz.

6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.

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



Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS

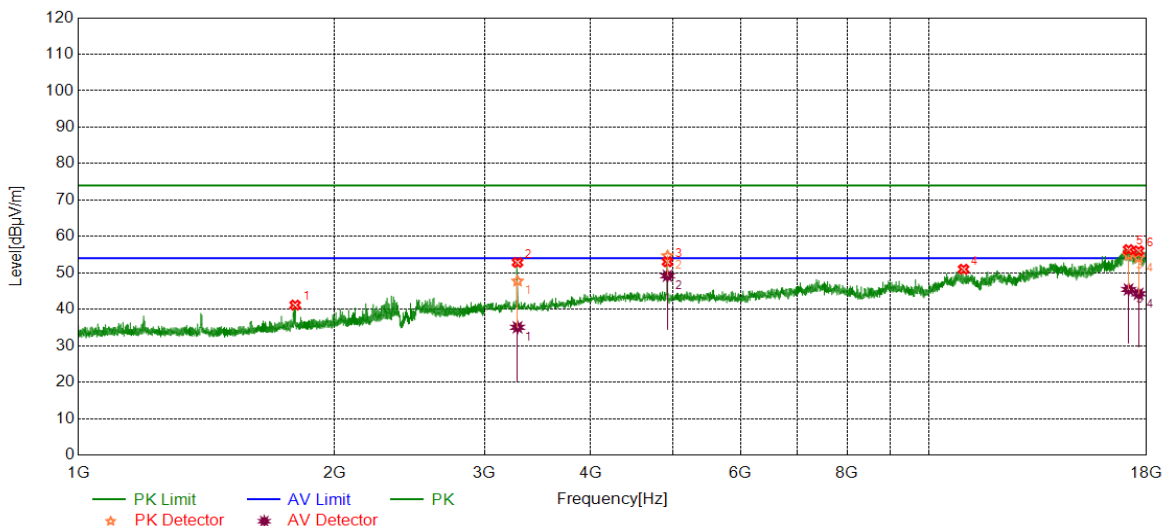


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1794.0993	46.68	-3.94	42.74	74.00	-31.26	peak
2	3281.2852	48.83	2.37	51.20	74.00	-22.80	peak
		27.68	2.37	30.05	54.00	-23.95	average
3	4923.9905	48.72	5.22	53.94	74.00	-20.06	peak
		46.69	5.22	51.91	54.00	-2.09	average
4	7384.2980	38.89	9.15	48.04	74.00	-25.96	peak
5	17030.5038	36.47	20.18	56.65	74.00	-17.35	peak
		25.97	20.18	46.15	54.00	-7.85	average
6	17626.8284	37.12	19.09	56.21	74.00	-17.79	peak
		26.29	19.09	45.38	54.00	-8.62	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1797.8497	45.06	-3.90	41.16	74.00	-32.84	peak
2	3281.2852	50.49	2.37	52.86	74.00	-21.14	peak
		32.68	2.37	35.05	54.00	-18.95	average
3	4923.9905	47.82	5.22	53.04	74.00	-20.96	peak
		43.97	5.22	49.19	54.00	-4.81	average
4	10969.7462	37.99	13.01	51.00	74.00	-23.00	peak
5	17141.1426	37.03	19.35	56.38	74.00	-17.62	peak
		26.09	19.35	45.44	54.00	-8.56	average
6	17615.5769	37.42	18.62	56.04	74.00	-17.96	peak
		25.63	18.62	44.25	54.00	-9.75	average

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

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

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

4. Peak: Peak detector.

5. AVG: VBW=10 Hz.

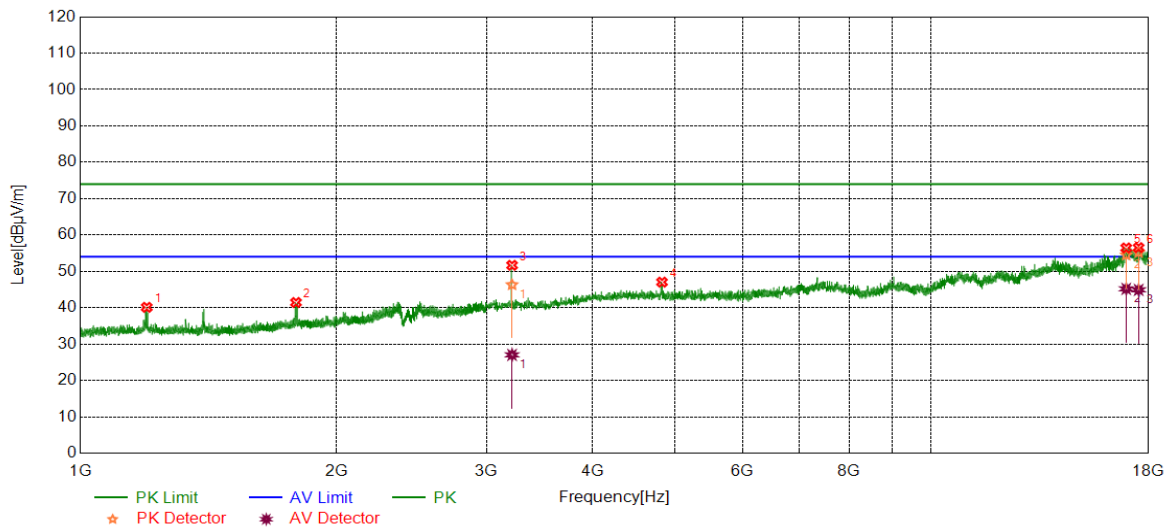
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.

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





Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS

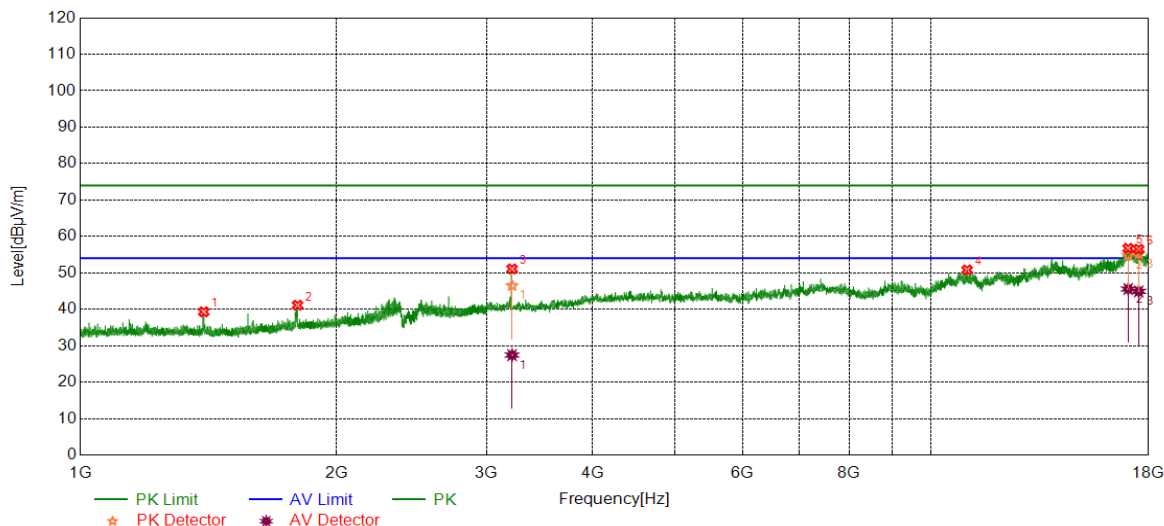


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1196.7746	45.65	-5.54	40.11	74.00	-33.89	peak
2	1792.0990	45.40	-3.96	41.44	74.00	-32.56	peak
3	3215.6520	49.86	1.81	51.67	74.00	-22.33	peak
		25.22	1.81	27.03	54.00	-26.97	average
4	4824.6031	42.10	4.94	47.04	74.00	-26.96	peak
5	16940.4926	36.37	20.08	56.45	74.00	-17.55	peak
		25.11	20.08	45.19	54.00	-8.81	average
6	17519.9400	36.63	19.89	56.52	74.00	-17.48	peak
		25.03	19.89	44.92	54.00	-9.08	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS

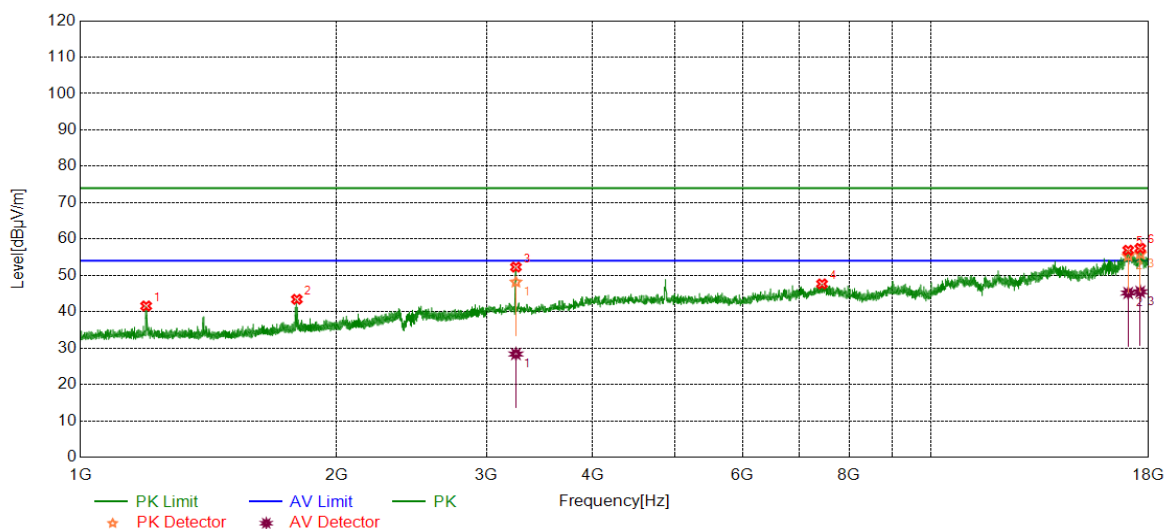


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1396.2995	44.93	-5.62	39.31	74.00	-34.69	peak
2	1799.8500	45.00	-3.88	41.12	74.00	-32.88	peak
3	3215.6520	49.27	1.81	51.08	74.00	-22.92	peak
		25.62	1.81	27.43	54.00	-26.57	average
4	11014.7518	37.75	13.06	50.81	74.00	-23.19	peak
5	17030.5038	36.56	20.18	56.74	74.00	-17.26	peak
		25.39	20.18	45.57	54.00	-8.43	average
6	17525.5657	37.35	19.14	56.49	74.00	-17.51	peak
		25.78	19.14	44.92	54.00	-9.08	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1194.7743	47.13	-5.55	41.58	74.00	-32.42	peak
2	1796.3495	47.33	-3.92	43.41	74.00	-30.59	peak
3	3249.4062	50.45	1.82	52.27	74.00	-21.73	peak
		26.54	1.82	28.36	54.00	-25.64	average
4	7438.6798	38.31	9.34	47.65	74.00	-26.35	peak
5	17030.5038	36.74	20.18	56.92	74.00	-17.08	peak
		24.97	20.18	45.15	54.00	-8.85	average
6	17596.8246	37.88	19.54	57.42	74.00	-16.58	peak
		25.94	19.54	45.48	54.00	-8.52	average

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

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

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

4. Peak: Peak detector.

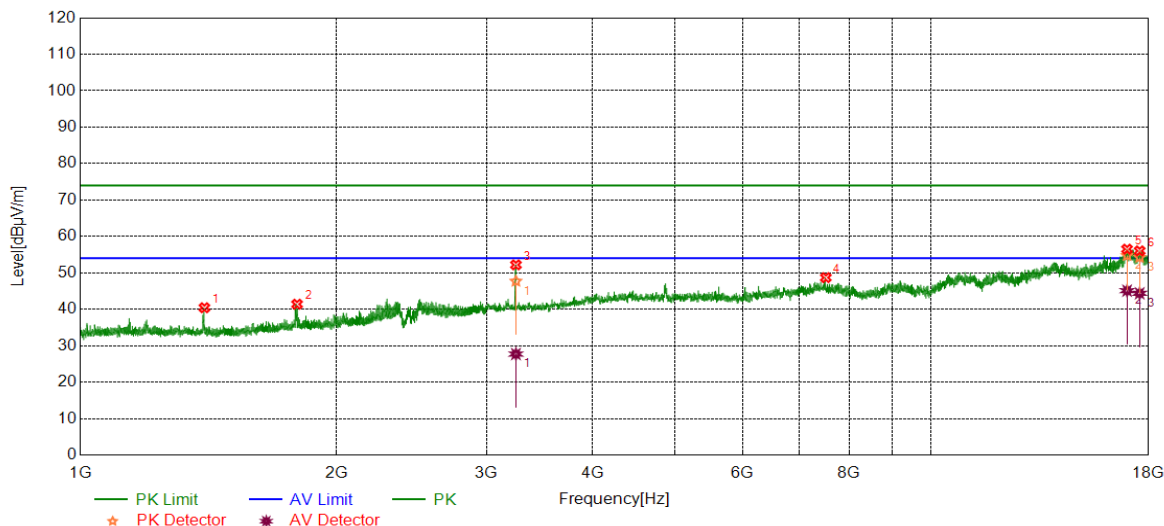
5. AVG: VBW=10 Hz.

6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.

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



Test Mode	Channel	Polarization	Verdict
11G	MCH	Vertical	PASS

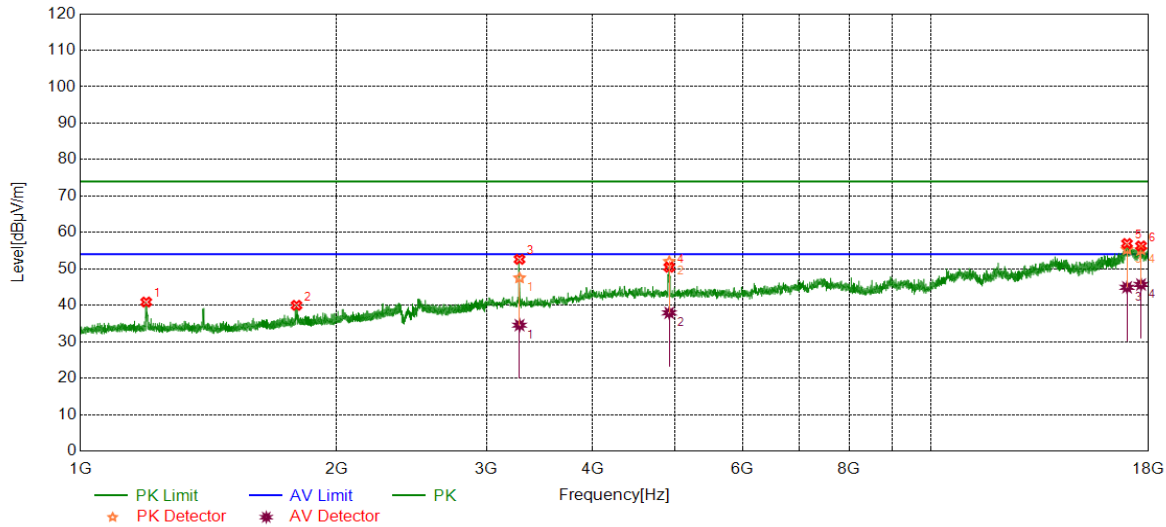


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1398.7999	46.00	-5.57	40.43	74.00	-33.57	peak
2	1797.3497	45.31	-3.91	41.40	74.00	-32.60	peak
3	3249.4062	50.38	1.82	52.20	74.00	-21.80	peak
		25.89	1.82	27.71	54.00	-26.29	average
4	7515.5644	39.55	9.14	48.69	74.00	-25.31	peak
5	16979.8725	35.86	20.65	56.51	74.00	-17.49	peak
		24.46	20.65	45.11	54.00	-8.89	average
6	17568.6961	36.95	19.09	56.04	74.00	-17.96	peak
		25.29	19.09	44.38	54.00	-9.62	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS

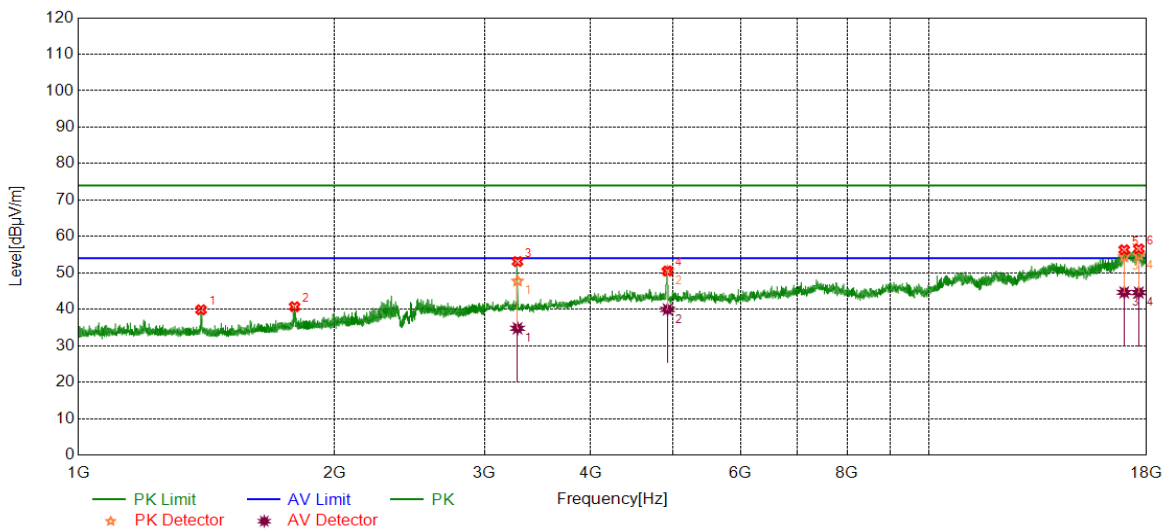


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1195.0244	46.44	-5.55	40.89	74.00	-33.11	peak
2	1794.8494	43.92	-3.93	39.99	74.00	-34.01	peak
3	3281.2852	50.25	2.37	52.62	74.00	-21.38	peak
		32.18	2.37	34.55	54.00	-19.45	average
4	4920.2400	45.17	5.29	50.46	74.00	-23.54	peak
		32.63	5.30	37.93	54.00	-16.07	average
5	16977.9973	36.43	20.52	56.95	74.00	-17.05	peak
		24.41	20.52	44.93	54.00	-9.07	average
6	17634.3293	36.93	19.35	56.28	74.00	-17.72	peak
		26.36	19.35	45.71	54.00	-8.29	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS

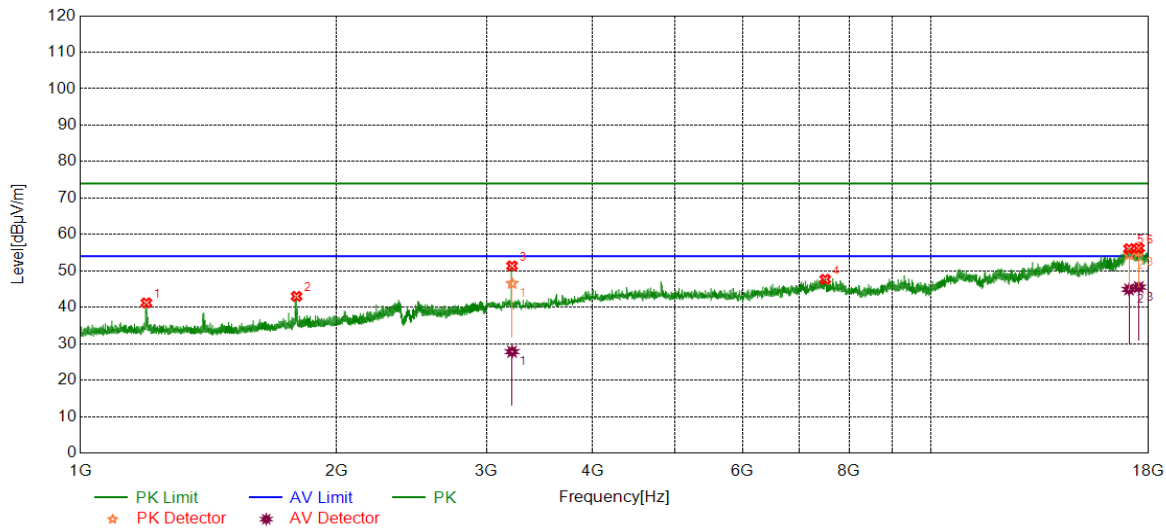


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1393.5492	45.55	-5.68	39.87	74.00	-34.13	peak
2	1795.0994	44.64	-3.93	40.71	74.00	-33.29	peak
3	3281.2852	50.73	2.37	53.10	74.00	-20.90	peak
		32.41	2.37	34.78	54.00	-19.22	average
4	4923.9905	45.29	5.22	50.51	74.00	-23.49	peak
		34.75	5.22	39.97	54.00	-14.03	average
5	16940.4926	36.25	20.08	56.33	74.00	-17.67	peak
		24.56	20.08	44.64	54.00	-9.36	average
6	17623.0779	37.73	18.86	56.59	74.00	-17.41	peak
		25.74	18.86	44.60	54.00	-9.40	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS

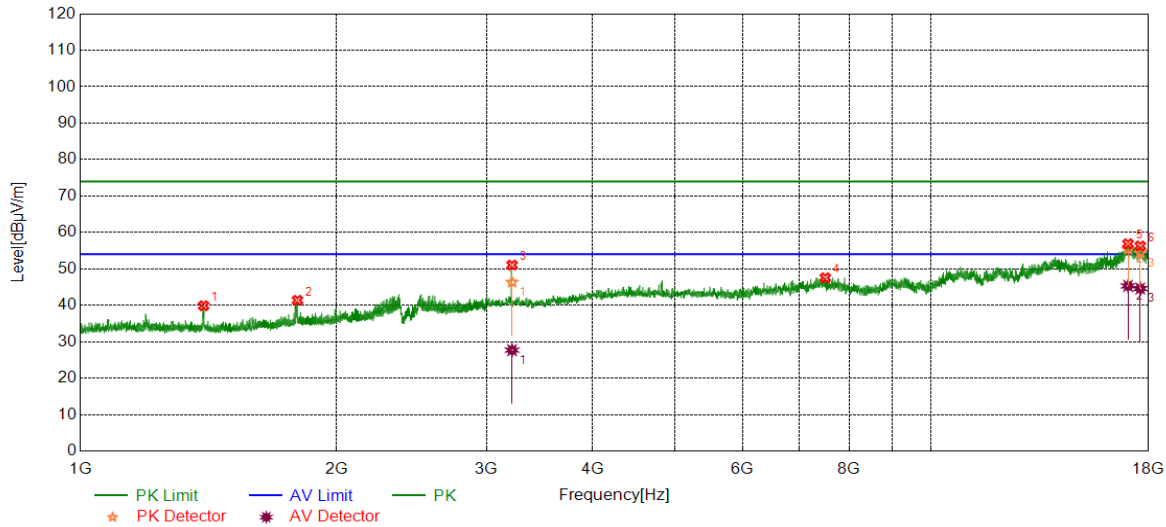


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1195.5244	46.77	-5.54	41.23	74.00	-32.77	peak
2	1794.8494	46.94	-3.93	43.01	74.00	-30.99	peak
3	3215.6520	49.56	1.81	51.37	74.00	-22.63	peak
		26.00	1.81	27.81	54.00	-26.19	average
4	7502.4378	38.55	9.14	47.69	74.00	-26.31	peak
5	17069.8837	35.58	20.52	56.10	74.00	-17.90	peak
		24.39	20.52	44.91	54.00	-9.09	average
6	17527.4409	37.36	18.89	56.25	74.00	-17.75	peak
		26.65	18.89	45.54	54.00	-8.46	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS



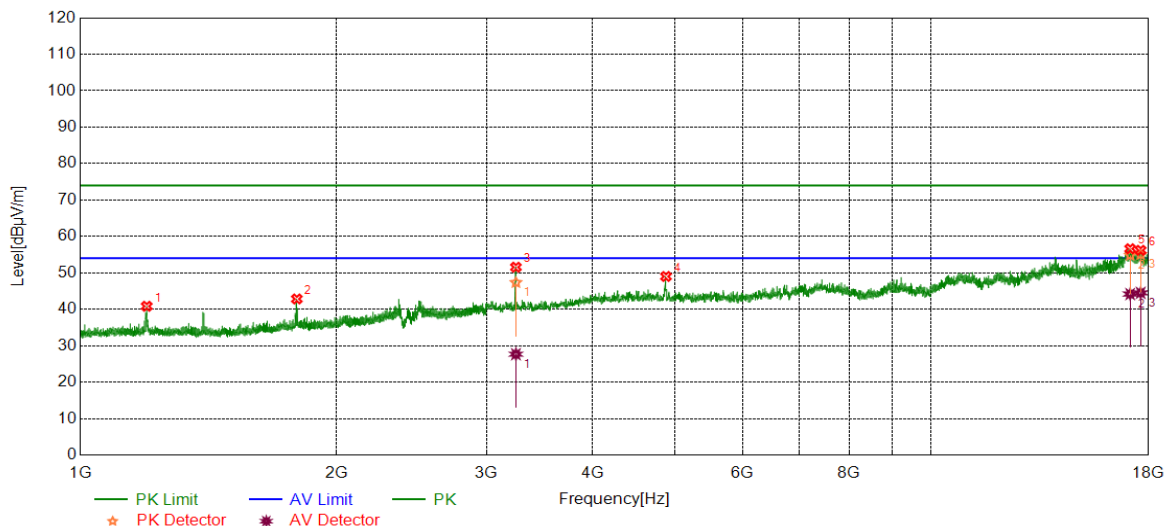
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1395.7995	45.50	-5.63	39.87	74.00	-34.13	peak
2	1799.3499	45.25	-3.88	41.37	74.00	-32.63	peak
3	3215.6520	49.22	1.81	51.03	74.00	-22.97	peak
		25.88	1.81	27.69	54.00	-26.31	average
4	7504.3130	38.43	9.11	47.54	74.00	-26.46	peak
5	17023.0029	36.70	20.18	56.88	74.00	-17.12	peak
		25.13	20.18	45.31	54.00	-8.69	average
6	17598.6998	36.78	19.51	56.29	74.00	-17.71	peak
		25.09	19.51	44.60	54.00	-9.40	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1196.7746	46.37	-5.54	40.83	74.00	-33.17	peak
2	1796.3495	46.76	-3.92	42.84	74.00	-31.16	peak
3	3249.4062	49.74	1.82	51.56	74.00	-22.44	peak
		25.85	1.82	27.67	54.00	-26.33	average
4	4877.1096	43.84	5.17	49.01	74.00	-24.99	peak
5	17122.3903	37.55	19.07	56.62	74.00	-17.38	peak
		25.11	19.07	44.18	54.00	-9.82	average
6	17617.4522	37.55	18.64	56.19	74.00	-17.81	peak
		25.87	18.64	44.51	54.00	-9.49	average

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

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

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

4. Peak: Peak detector.

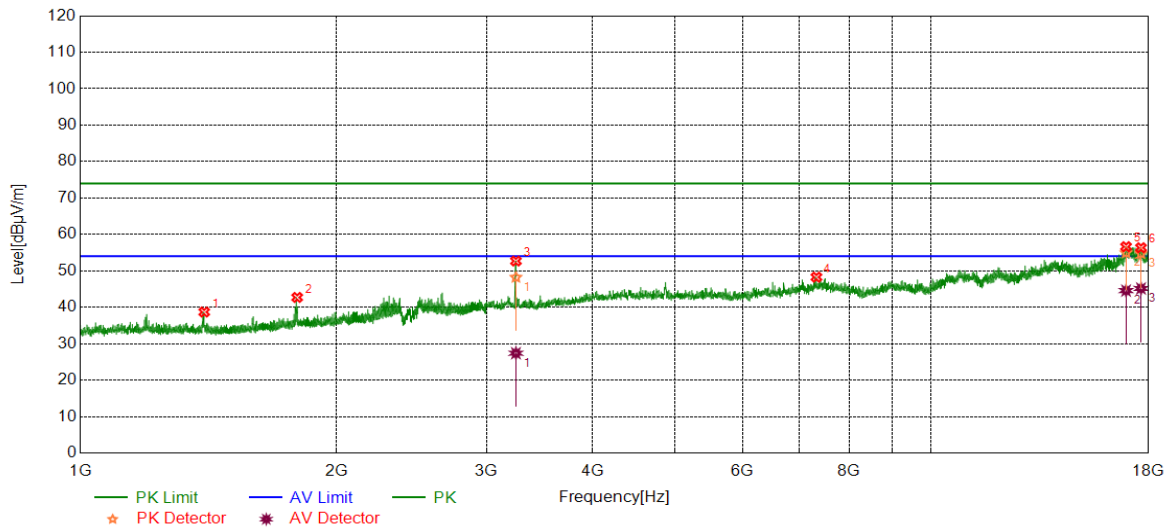
5. AVG: VBW=10 Hz.

6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.

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



Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Vertical	PASS

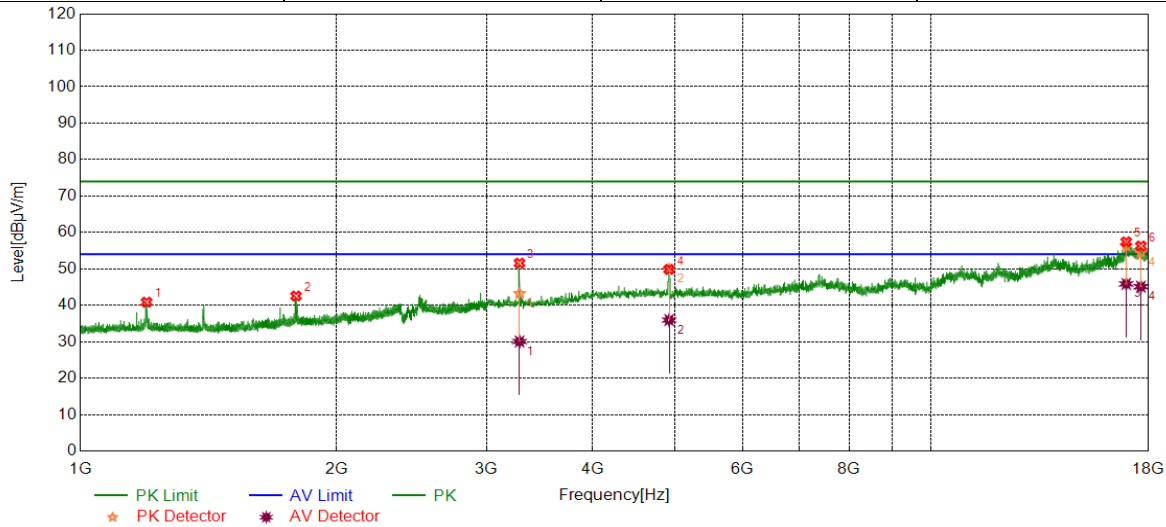


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1398.0498	44.29	-5.59	38.70	74.00	-35.30	peak
2	1797.8497	46.61	-3.90	42.71	74.00	-31.29	peak
3	3249.4062	50.88	1.82	52.70	74.00	-21.30	peak
		25.57	1.82	27.39	54.00	-26.61	average
4	7326.1658	39.39	8.89	48.28	74.00	-25.72	peak
5	16932.9916	37.35	19.29	56.64	74.00	-17.36	peak
		25.29	19.29	44.58	54.00	-9.42	average
6	17632.4541	37.02	19.33	56.35	74.00	-17.65	peak
		25.84	19.33	45.17	54.00	-8.83	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS

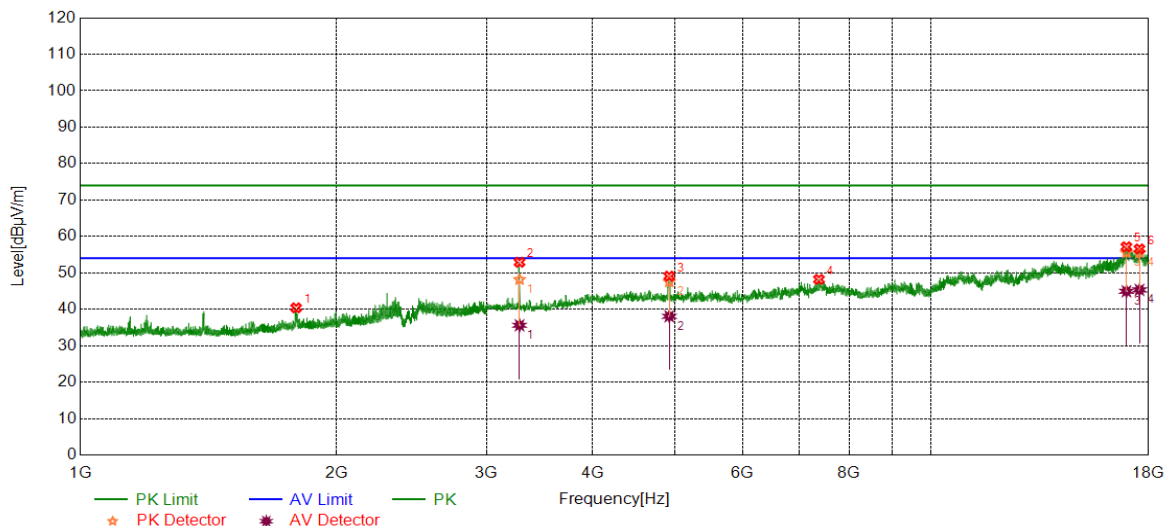


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1196.2745	46.40	-5.54	40.86	74.00	-33.14	peak
2	1792.3490	46.52	-3.96	42.56	74.00	-31.44	peak
3	3281.2852	49.21	2.37	51.58	74.00	-22.42	peak
		27.69	2.37	30.06	54.00	-23.94	average
4	4918.3648	44.59	5.27	49.86	74.00	-24.14	peak
		30.68	5.27	35.95	54.00	-18.05	average
5	16940.4926	37.34	20.08	57.42	74.00	-16.58	peak
		25.79	20.08	45.87	54.00	-8.13	average
6	17628.7036	37.07	19.21	56.28	74.00	-17.72	peak
		25.91	19.21	45.12	54.00	-8.88	average

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. Peak: Peak detector.  
5. AVG: VBW=10 Hz.  
6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.  
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1792.8491	44.35	-3.95	40.40	74.00	-33.60	peak
2	3281.2852	50.54	2.37	52.91	74.00	-21.09	peak
		33.24	2.37	35.61	54.00	-18.39	average
3	4920.2400	43.81	5.29	49.10	74.00	-24.90	peak
		32.78	5.29	38.07	54.00	-15.93	average
4	7376.7971	39.06	9.15	48.21	74.00	-25.79	peak
5	16949.8687	37.31	19.84	57.15	74.00	-16.85	peak
		25.10	19.84	44.94	54.00	-9.06	average
6	17561.1951	37.13	19.44	56.57	74.00	-17.43	peak
		25.89	19.44	45.33	54.00	-8.67	average

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

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

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

4. Peak: Peak detector.

5. AVG: VBW=10 Hz.

6. Confirm that the test have added the BRF losses during the testing. Proper operation of the transmitter prior to adding the filter to the measurement chain. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.

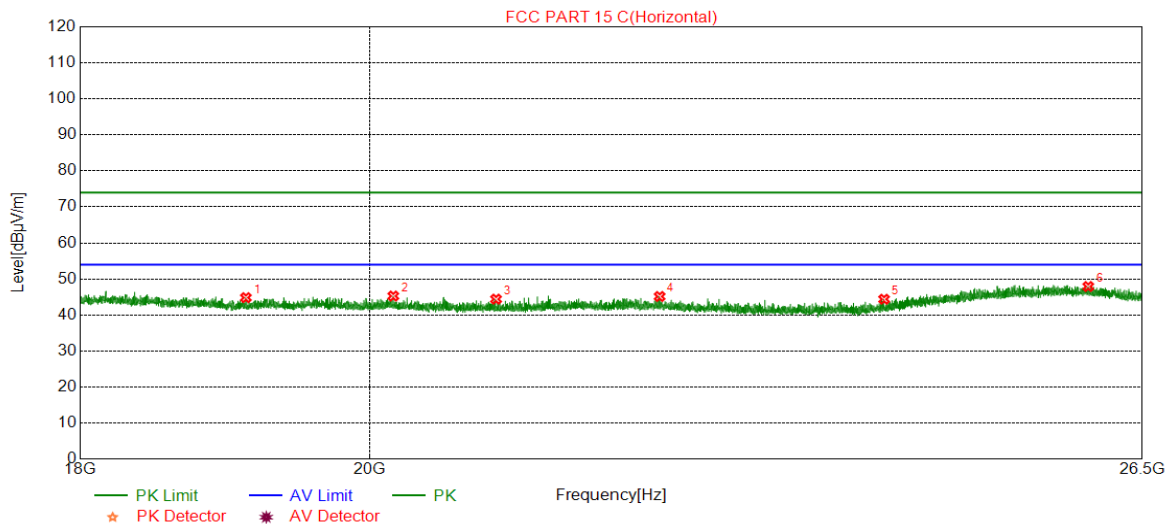
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



## Part II: 18GHz~26.5GHz

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

Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS

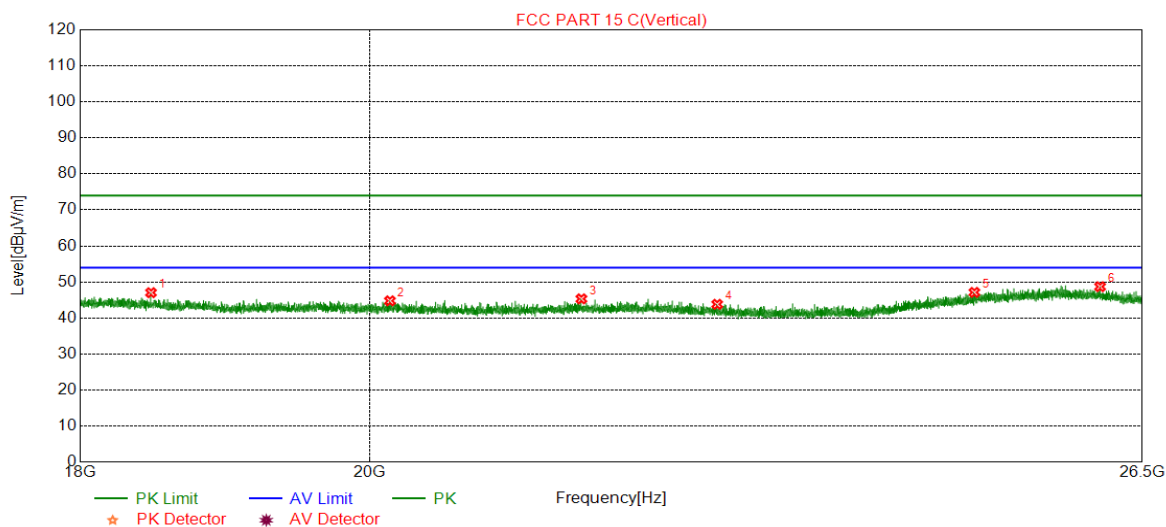


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	19118.7119	48.69	-3.87	44.82	74.00	-29.18	peak
2	20173.6674	48.43	-3.17	45.26	74.00	-28.74	peak
3	20942.9943	47.95	-3.55	44.40	74.00	-29.60	peak
4	22229.1729	48.30	-3.16	45.14	74.00	-28.86	peak
5	24123.1623	47.72	-3.34	44.38	74.00	-29.62	peak
6	25985.6986	46.93	0.98	47.91	74.00	-26.09	peak

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



Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	18469.2469	50.43	-3.40	47.03	74.00	-26.97	peak
2	20149.0149	47.93	-3.17	44.76	74.00	-29.24	peak
3	21604.3604	48.53	-3.22	45.31	74.00	-28.69	peak
4	22700.1200	47.50	-3.70	43.80	74.00	-30.20	peak
5	24929.8930	47.98	-0.87	47.11	74.00	-26.89	peak
6	26097.9098	47.73	0.96	48.69	74.00	-25.31	peak

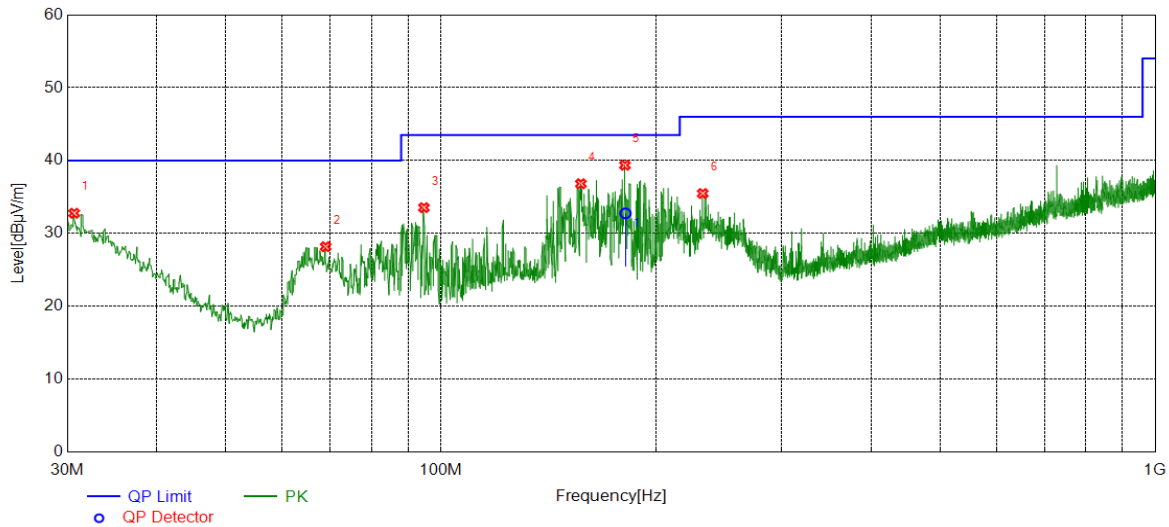
Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. Measurement = Reading Level + Correct Factor.



**Part III: 30MHz~1GHz**

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

Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS

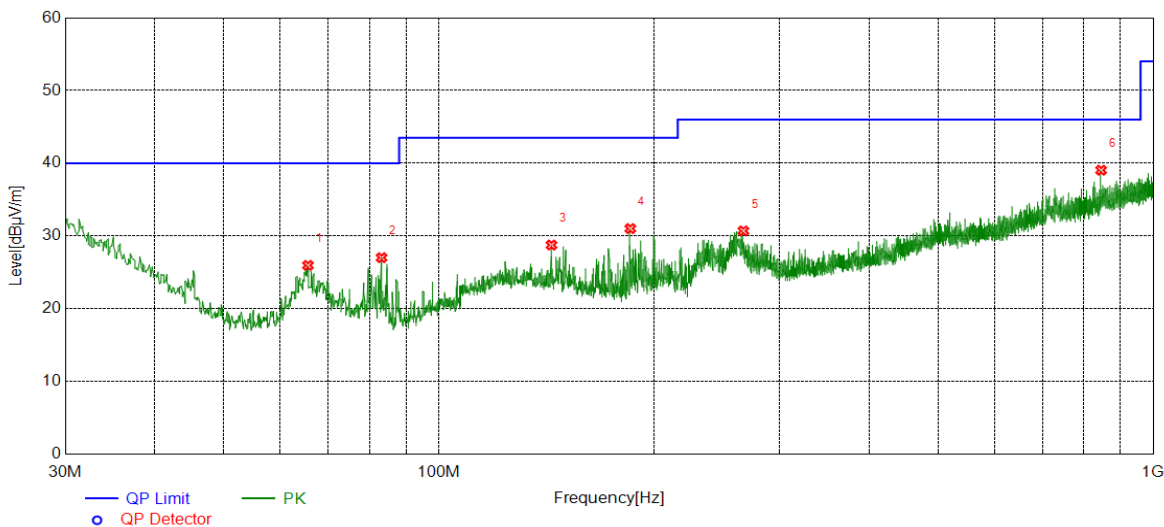


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.6791	6.05	26.72	32.77	40.00	-7.23	peak
2	68.9979	13.51	14.67	28.18	40.00	-11.82	peak
3	94.7055	18.01	15.53	33.54	43.50	-9.96	peak
4	157.0827	17.91	18.91	36.82	43.50	-6.68	peak
5	181.0441	21.47	17.89	39.36	43.50	-4.14	peak
6	232.6533	17.12	18.36	35.48	46.00	-10.52	peak

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



Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	65.6026	11.54	14.42	25.96	40.00	-14.04	peak
2	83.1613	12.69	14.33	27.02	40.00	-12.98	peak
3	143.7924	9.05	19.71	28.76	43.50	-14.74	peak
4	185.4095	12.84	18.18	31.02	43.50	-12.48	peak
5	266.8977	11.15	19.55	30.70	46.00	-15.30	peak
6	845.3665	8.69	30.36	39.05	46.00	-6.95	peak

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

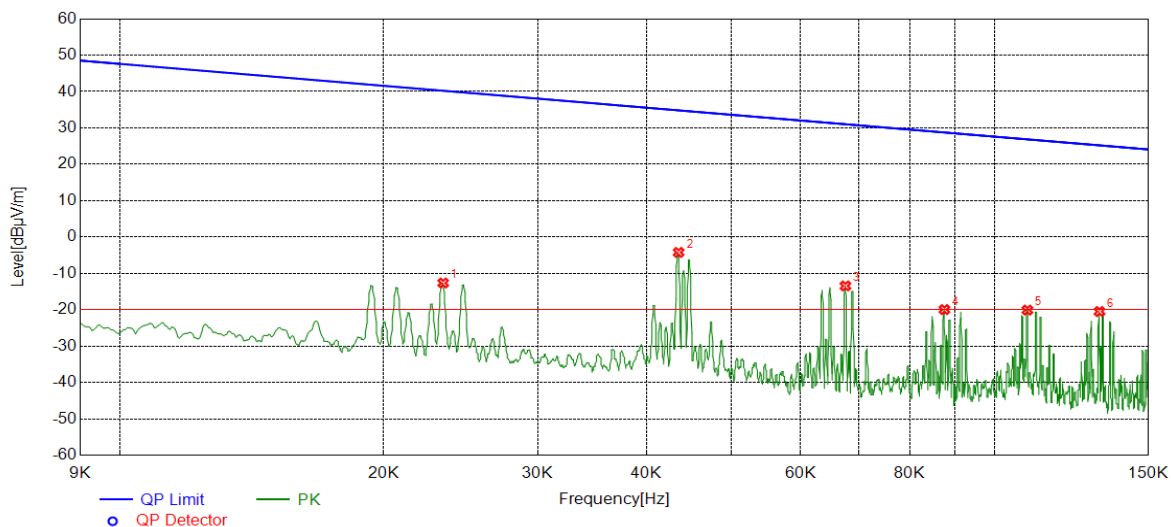




**Part IV: 9KHz~30MHz**

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

Test Mode	Channel	Frequency Range	Verdict
11N HT20	LCH	9KHz~150KHz	PASS

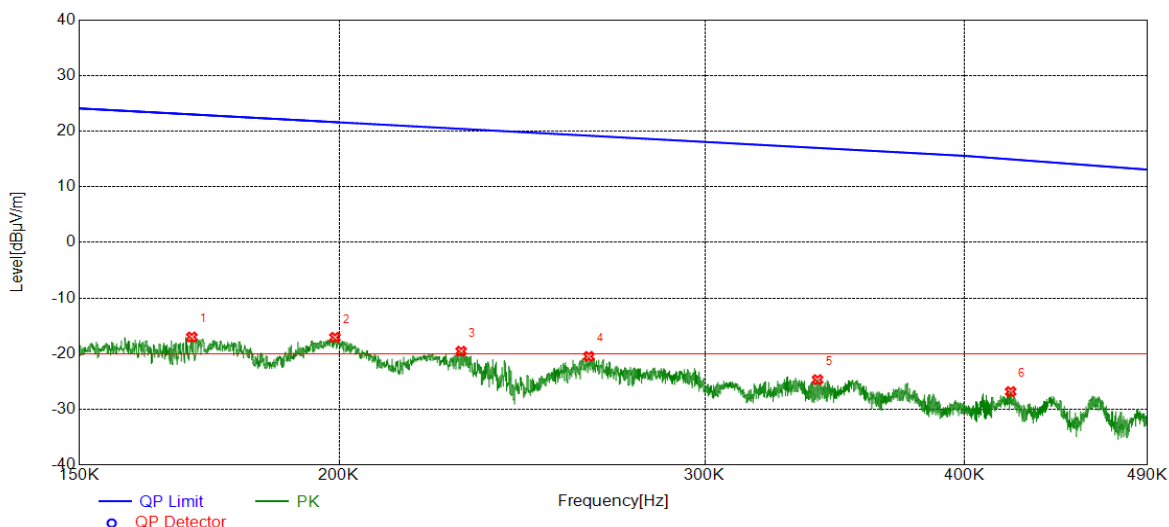


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0234	48.33	-60.98	-12.65	40.22	-52.87	peak
2	0.0435	56.87	-61.11	-4.24	34.84	-39.08	peak
3	0.0675	47.98	-61.44	-13.46	31.02	-44.48	peak
4	0.0876	41.24	-61.20	-19.96	28.75	-48.71	peak
5	0.1090	40.86	-60.96	-20.10	26.86	-46.96	peak
6	0.1318	40.74	-61.23	-20.49	25.21	-45.70	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. Result 300m= Result 3m-80 dBuV/m  
3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.  
4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report



Test Mode	Channel	Frequency Range	Verdict
11N HT20	LCH	150KHz~490KHz	PASS

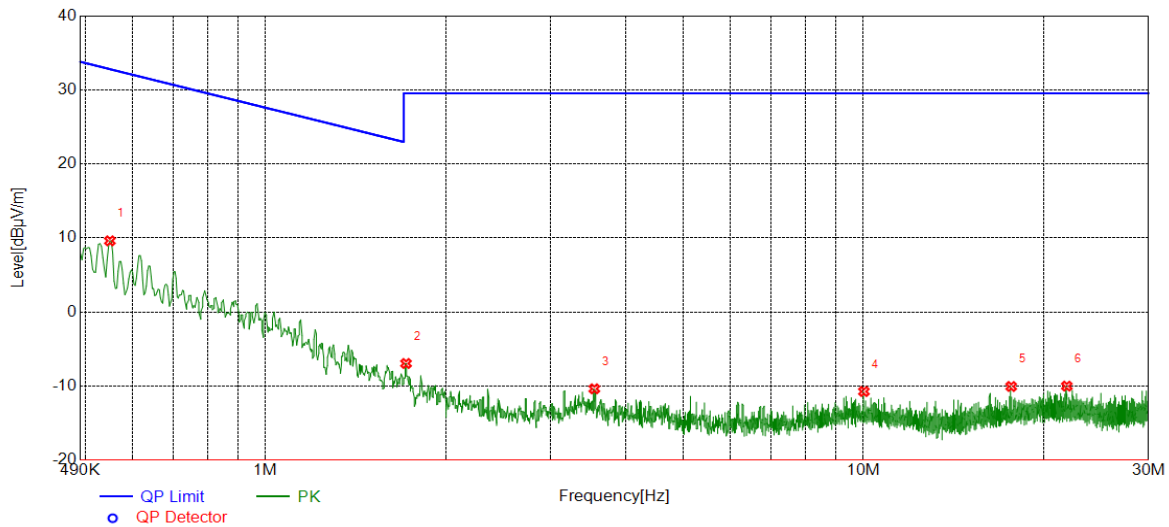


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1699	44.34	-61.35	-17.01	23.01	-40.02	peak
2	0.1991	44.13	-61.20	-17.07	21.62	-38.69	peak
3	0.2290	41.49	-61.05	-19.56	20.41	-39.97	peak
4	0.2638	40.43	-60.93	-20.50	19.17	-39.67	peak
5	0.3399	36.18	-60.86	-24.68	16.98	-41.66	peak
6	0.4210	33.97	-60.79	-26.82	14.94	-41.76	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. Result 300m= Result 3m-80 dBuV/m  
3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.  
4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report



Test Mode	Channel	Frequency Range	Verdict
11N HT20	LCH	490KHz~30MHz	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.5490	30.35	-20.74	9.61	32.81	-23.20	peak
2	1.7177	13.43	-20.38	-6.95	29.54	-36.49	peak
3	3.5475	9.98	-20.35	-10.37	29.54	-39.91	peak
4	10.0197	8.24	-18.98	-10.74	29.54	-40.28	peak
5	17.6695	8.29	-18.35	-10.06	29.54	-39.60	peak
6	21.8928	7.70	-17.71	-10.01	29.54	-39.55	peak

- Note: 1. Measurement = Reading Level + Correct Factor.  
2. Result 30m= Result 3m-40 dBuV/m  
3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.  
4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report



## **8. ANTENNA REQUIREMENTS**

### **APPLICABLE REQUIREMENTS**

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### **ANTENNA CONNECTOR**

EUT has a EUT with one PCB Antenna.

### **ANTENNA GAIN**

The antenna gain of EUT is less than 6 dBi.

**END OF REPORT**