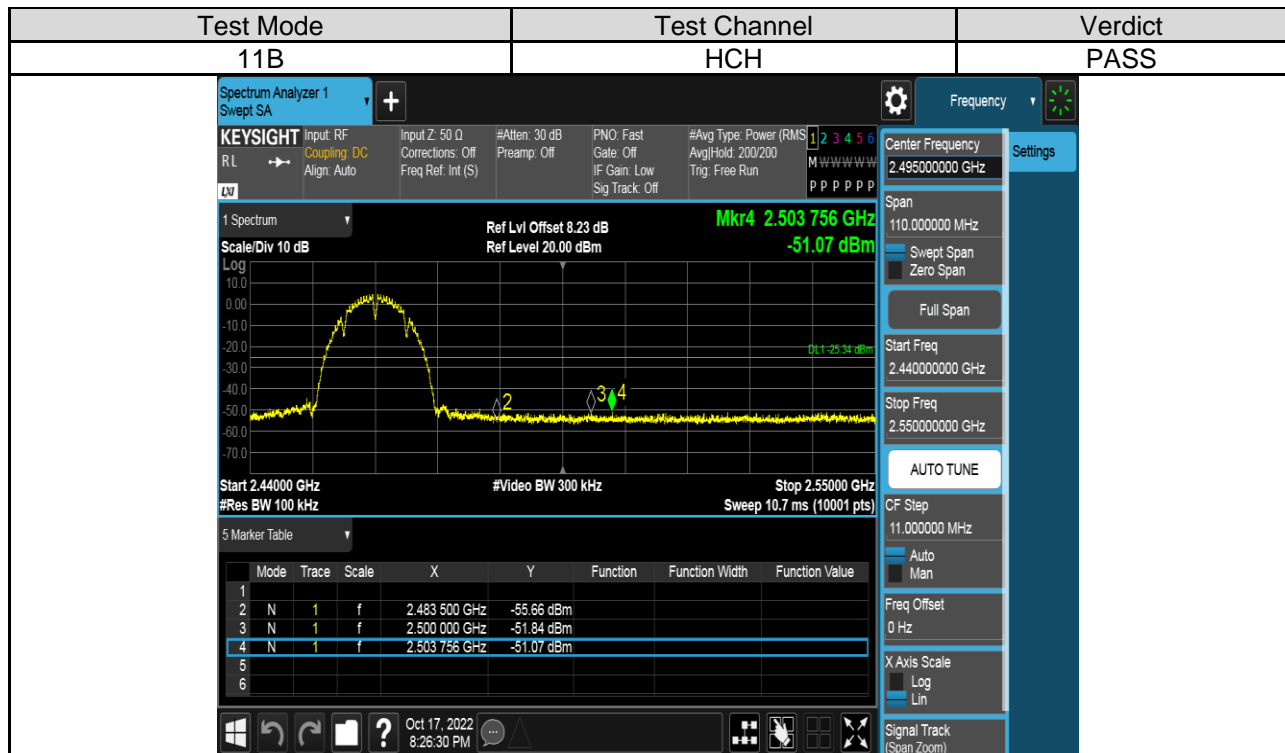
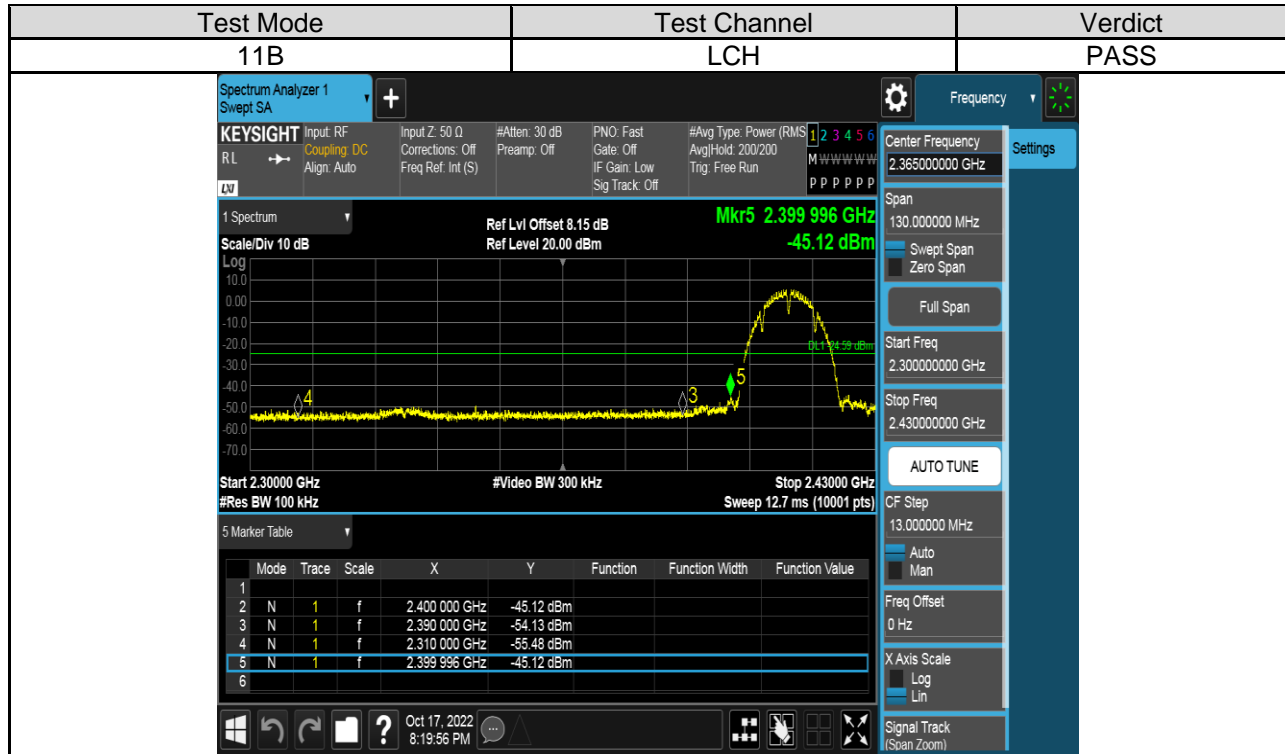
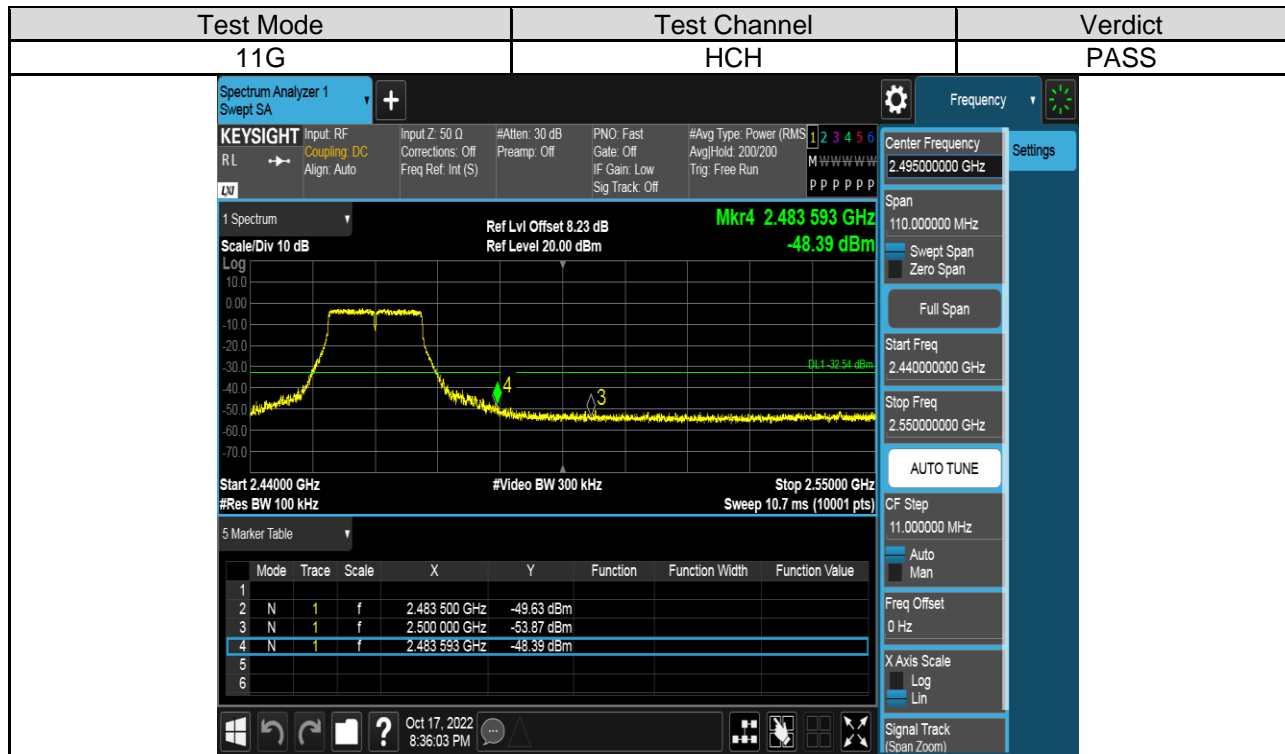
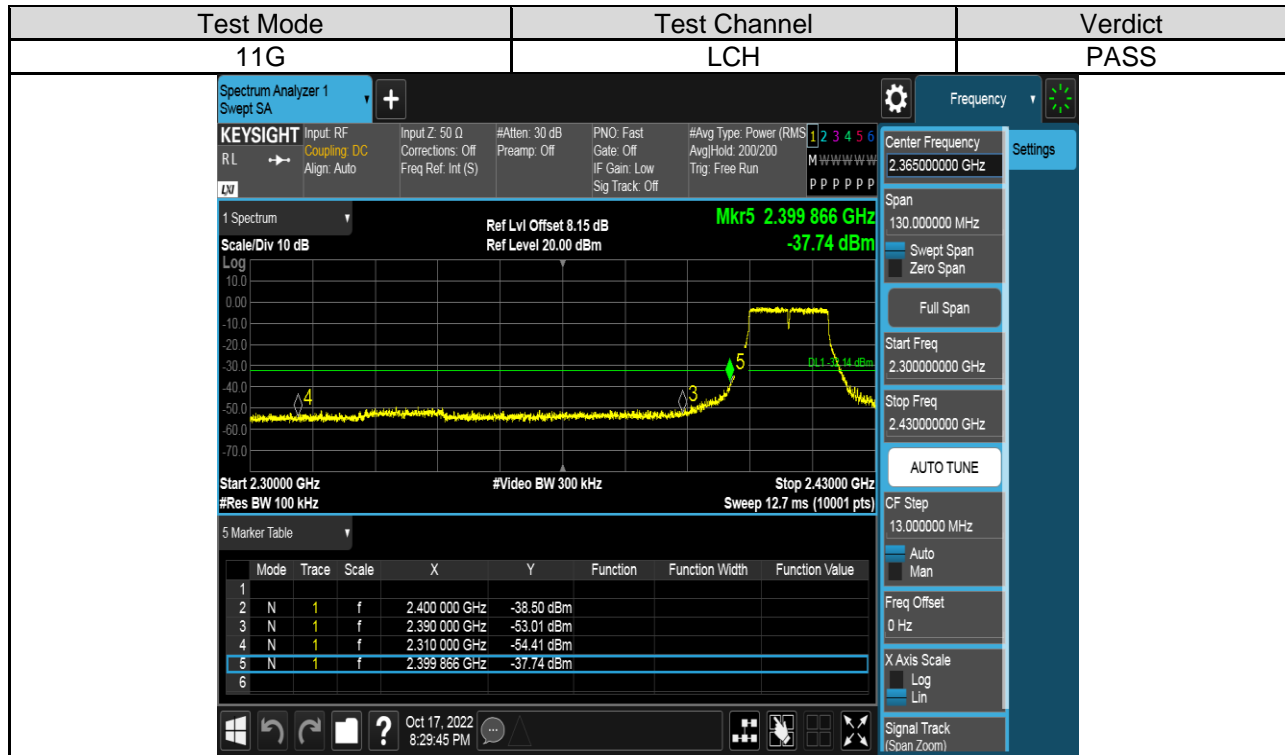
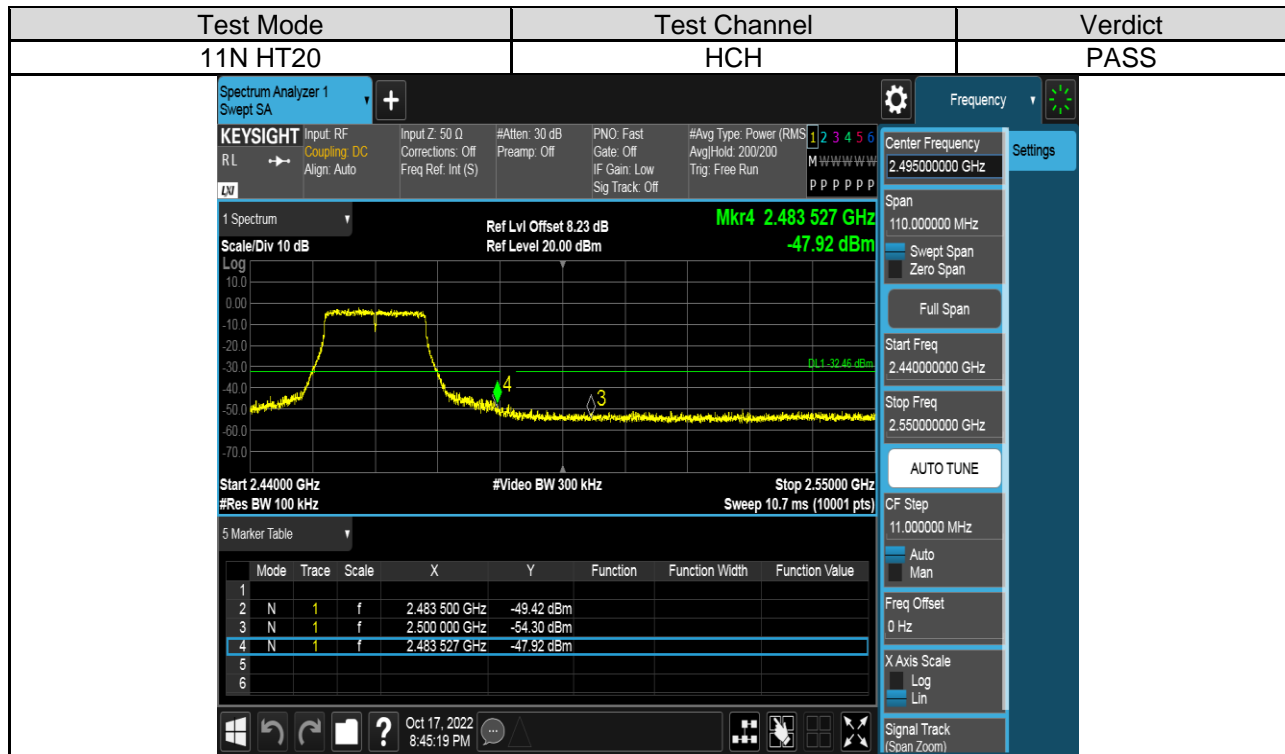
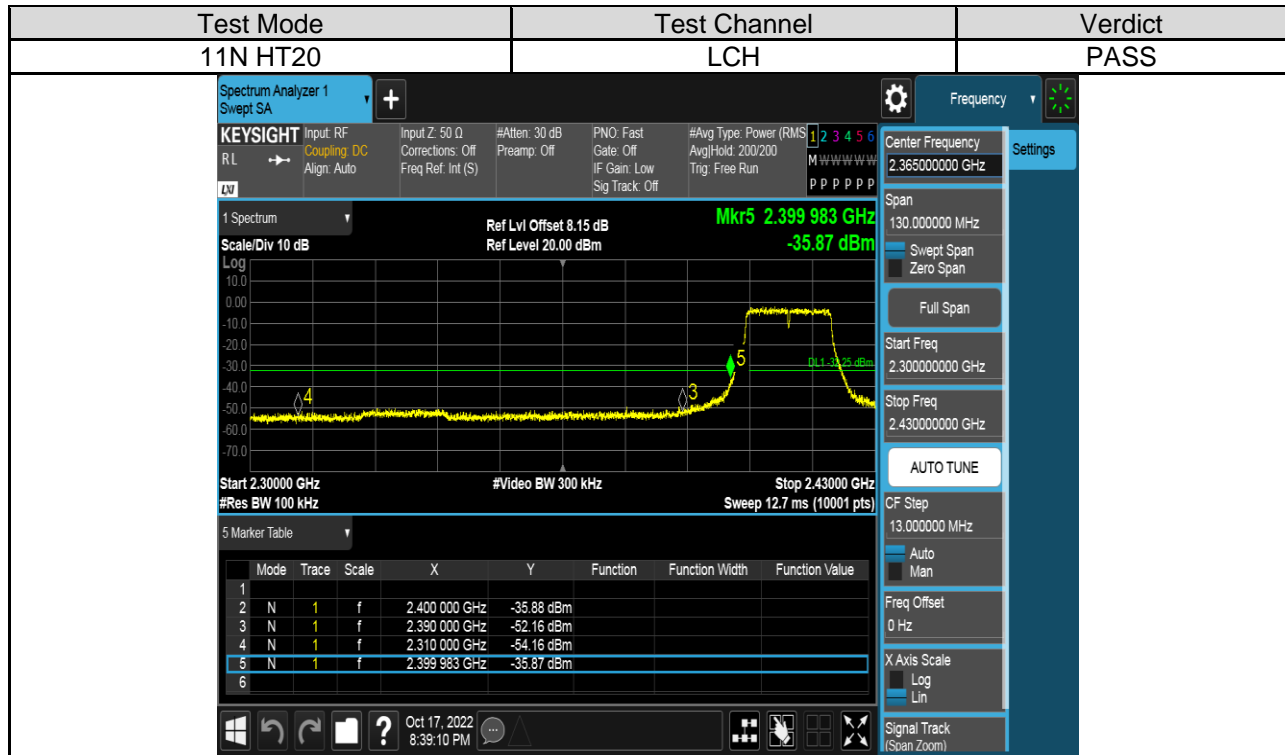


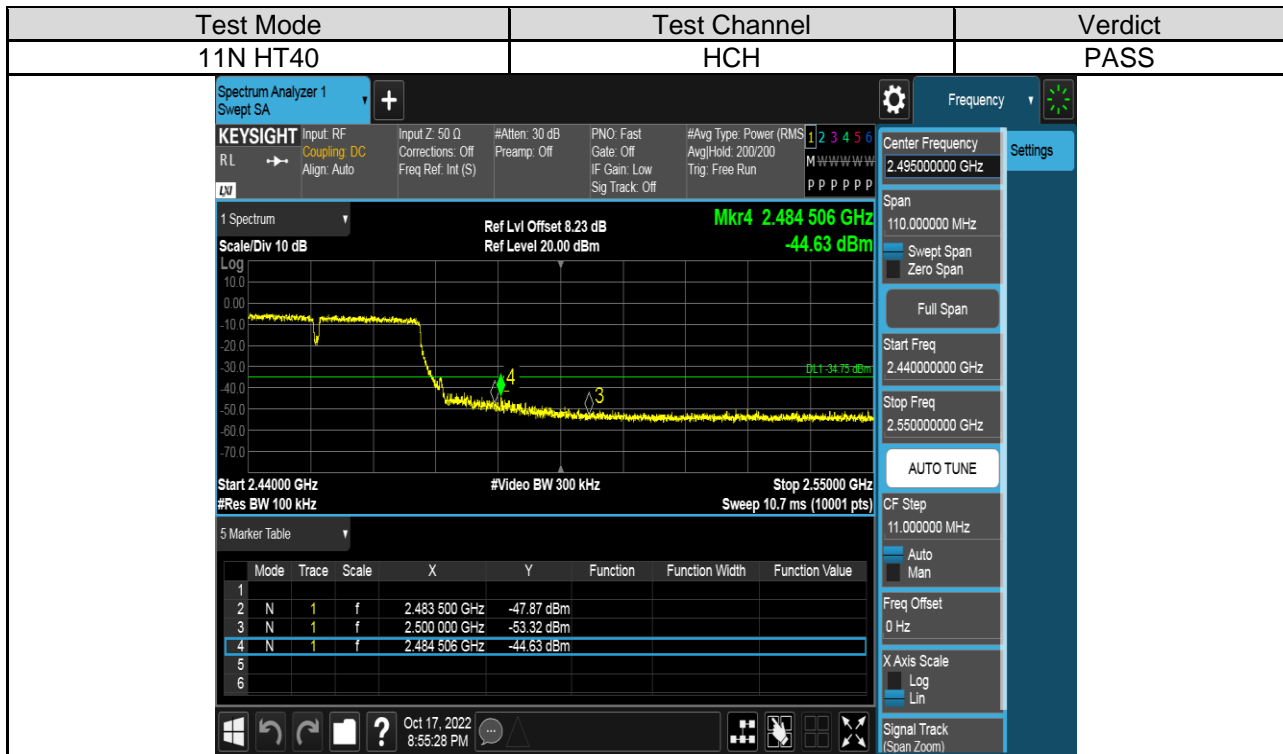
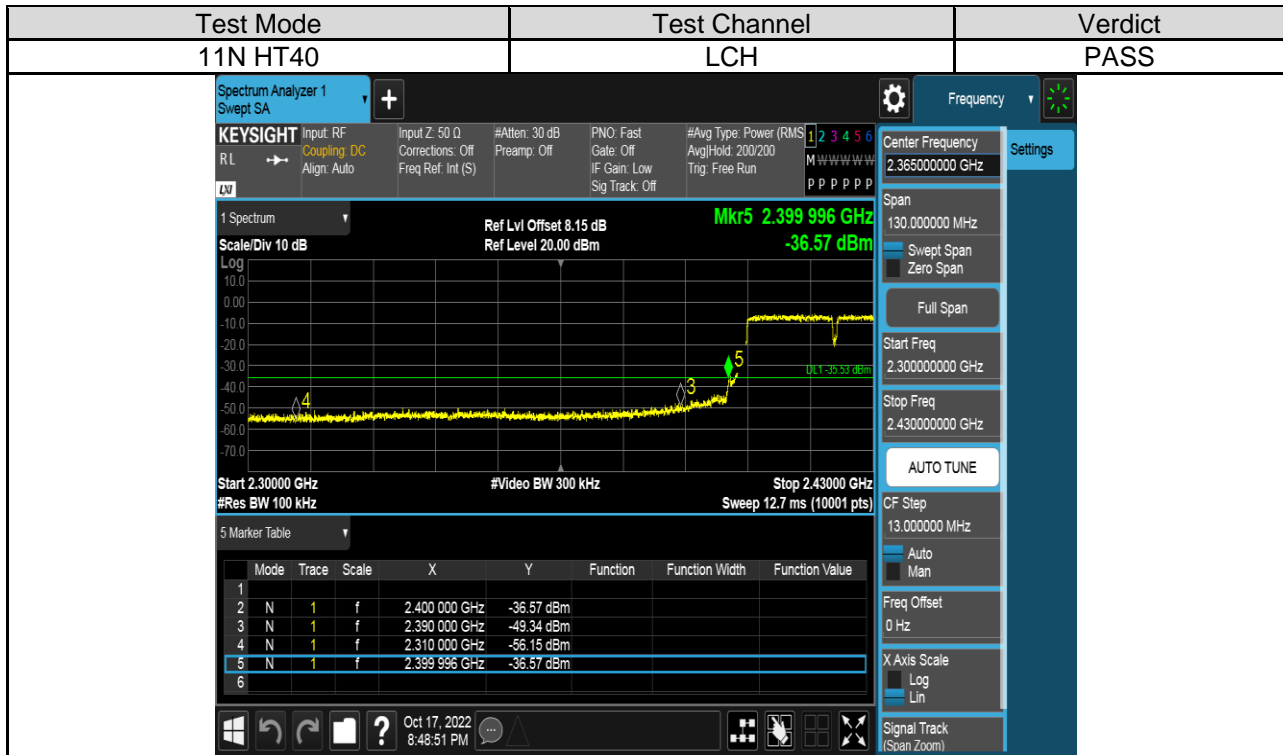


TEST GRAPHS











PART 3: CONDUCTED SPURIOUS EMISSION

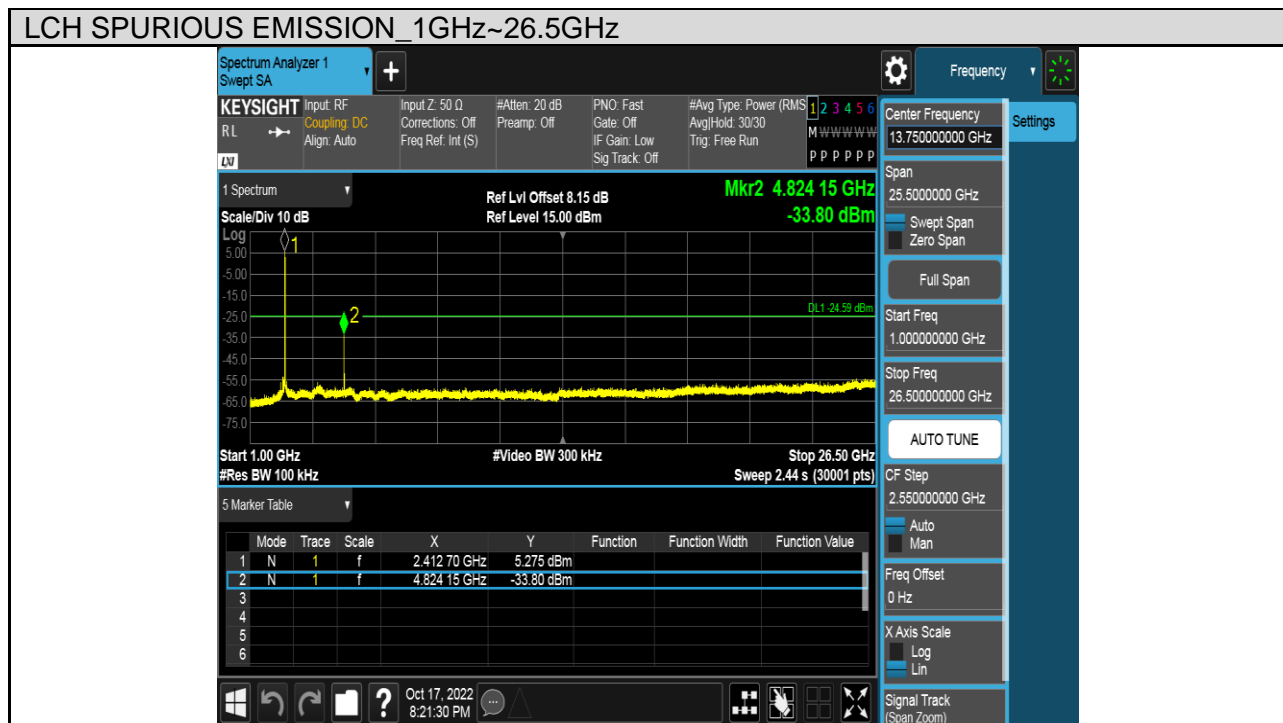
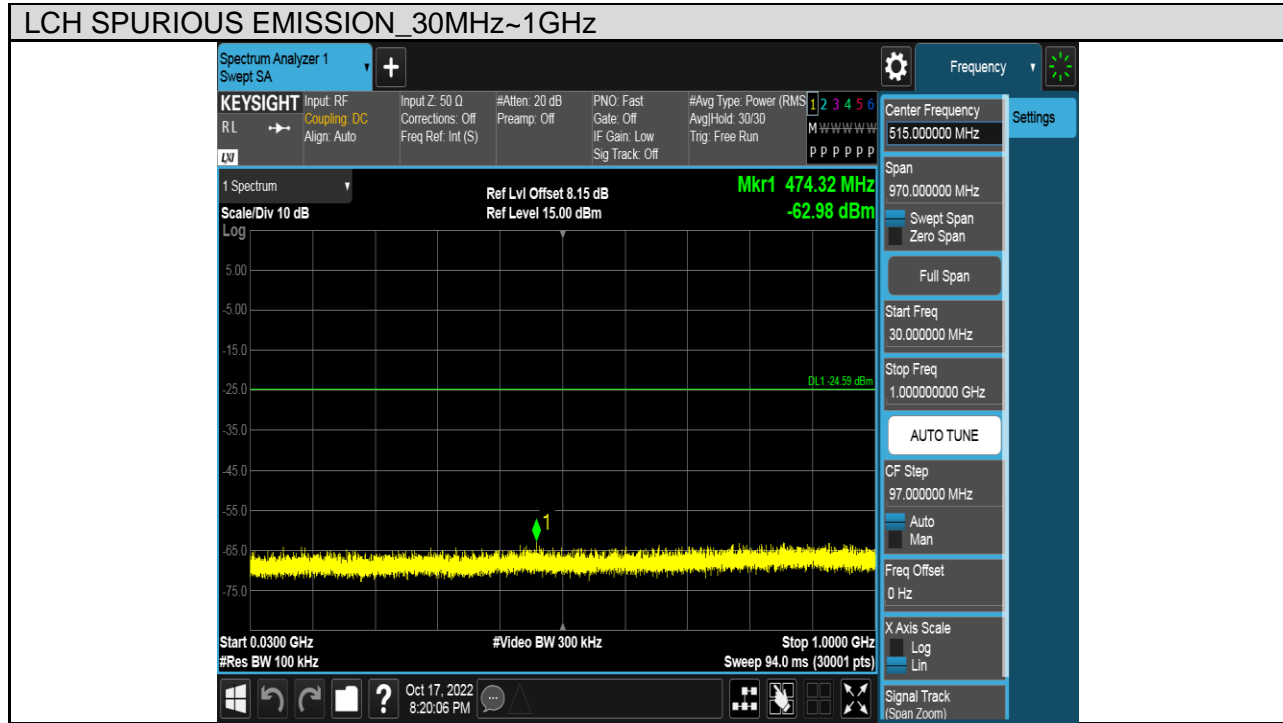
TEST RESULTS TABLE

Test Mode	Test Channel	Result	Verdict
11B	LCH	Refer to the Test Graph	PASS
	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
11G	LCH	Refer to the Test Graph	PASS
	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
11N HT20	LCH	Refer to the Test Graph	PASS
	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
11N HT40	LCH	Refer to the Test Graph	PASS
	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS



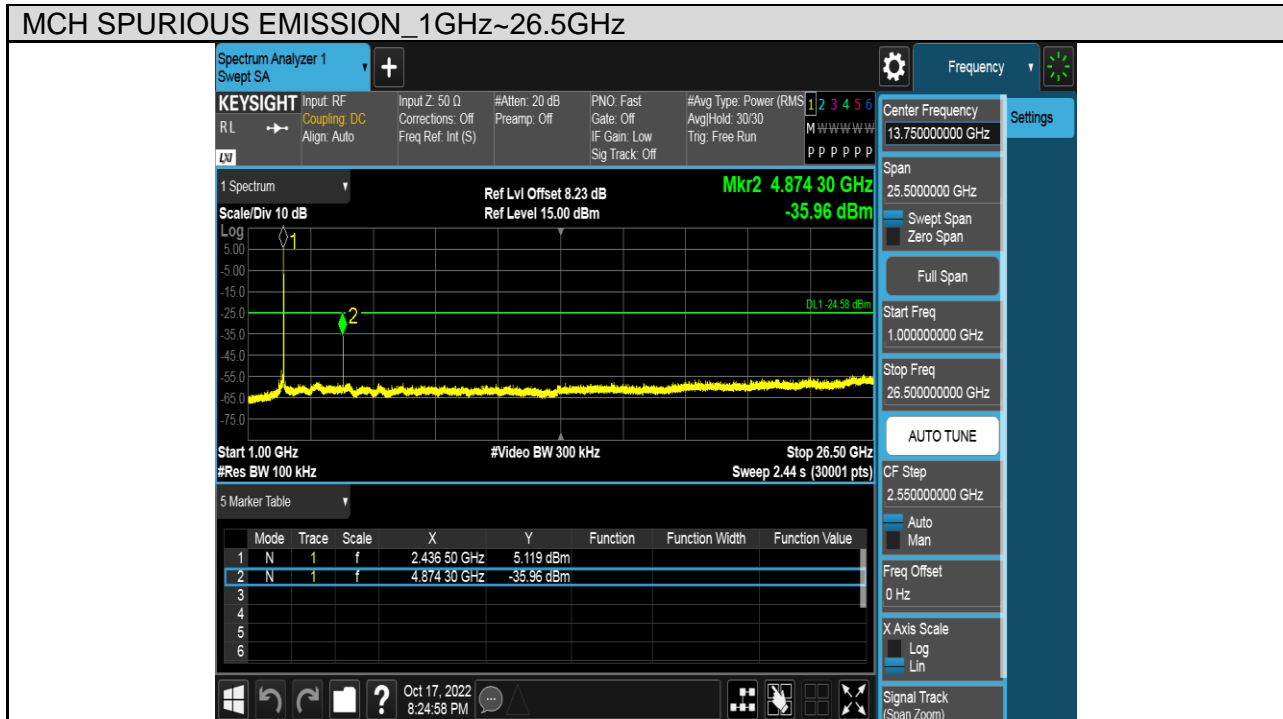
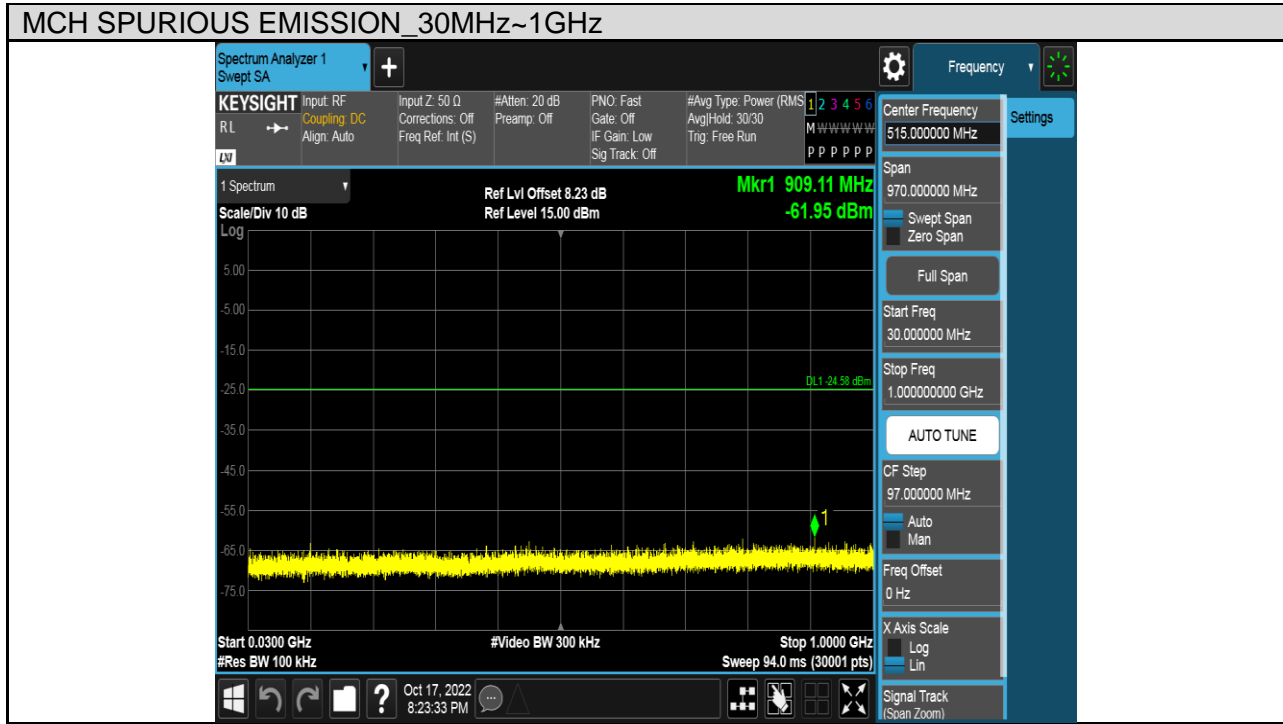
TEST GRAPHS

Test Mode	Channel	Verdict
11B	LCH	PASS



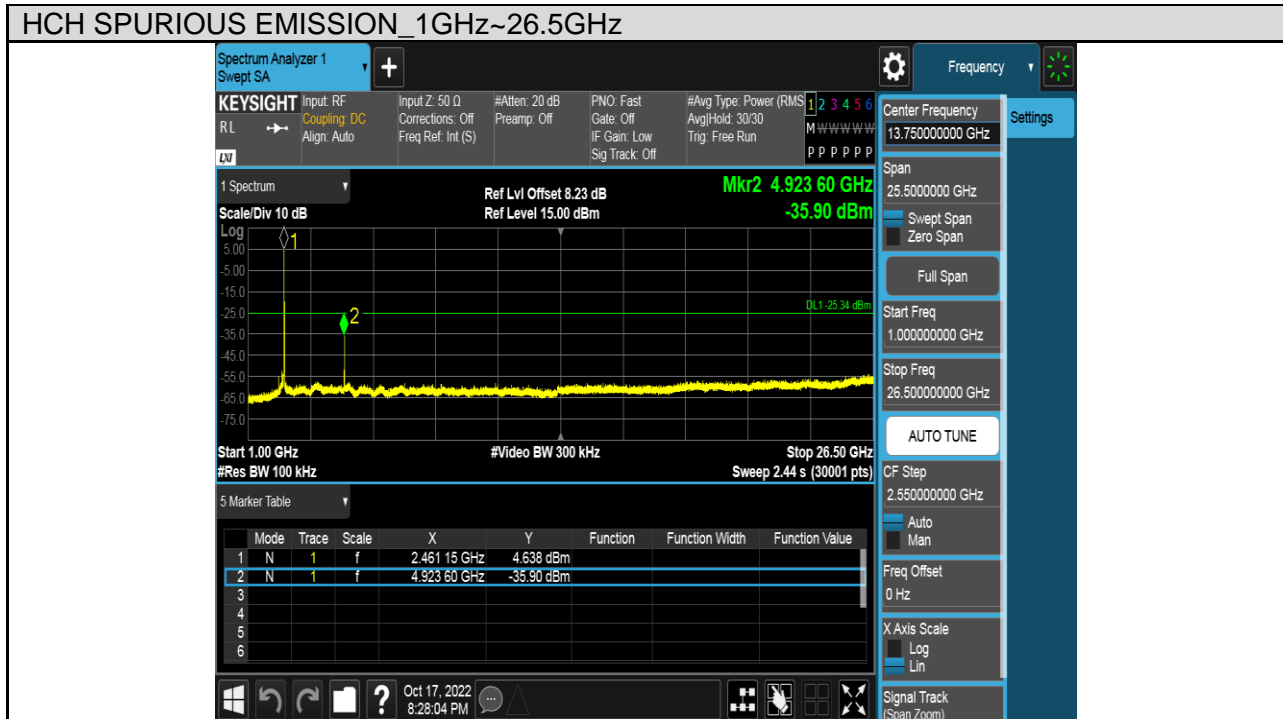
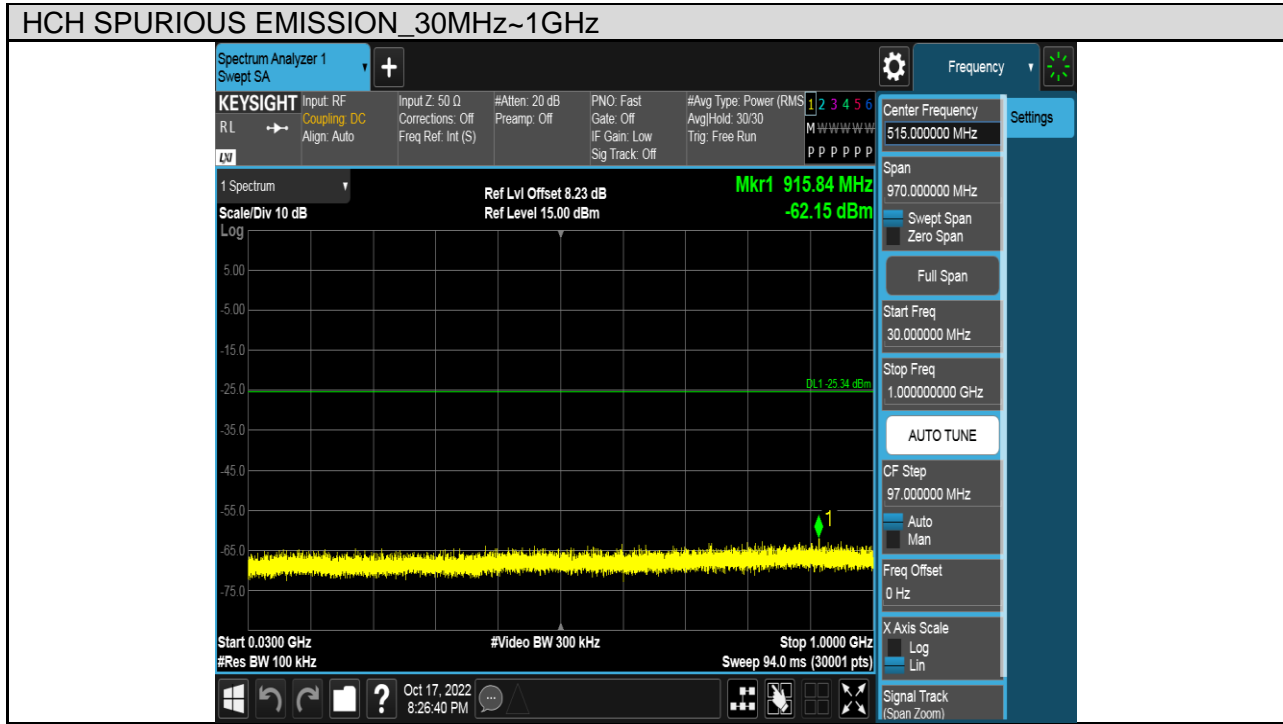


Test Mode	Channel	Verdict
11B	MCH	PASS



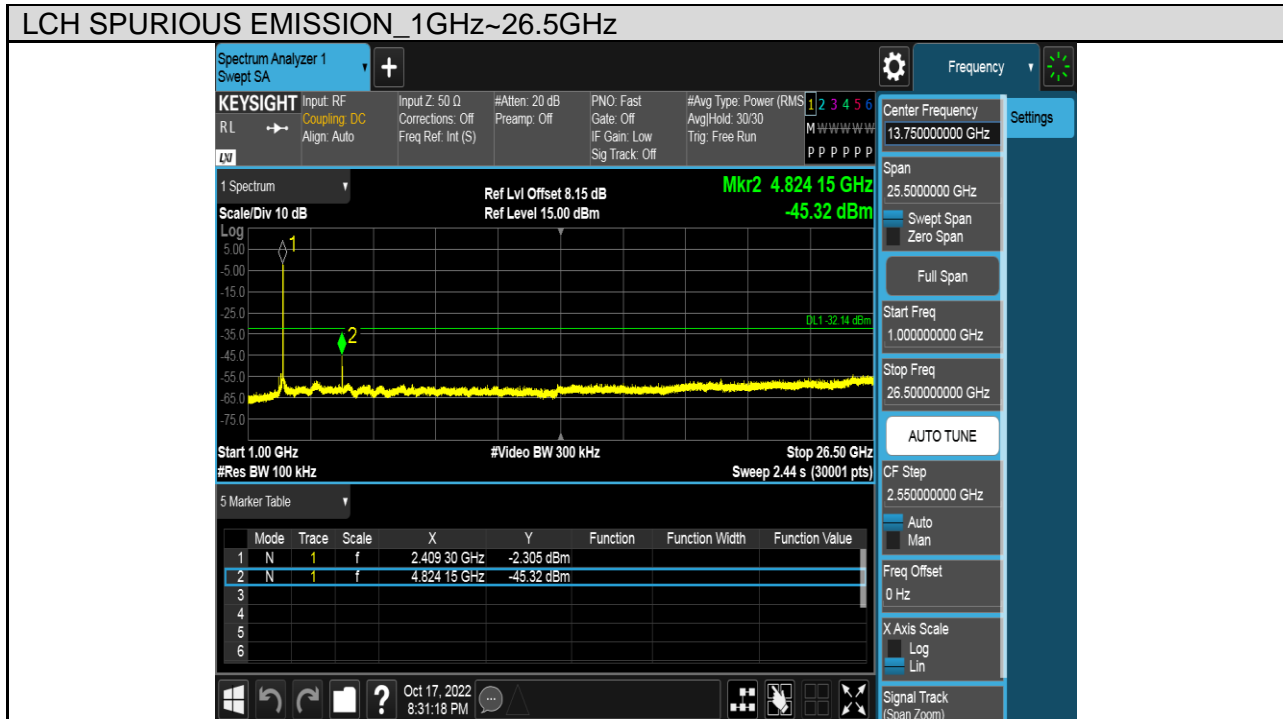
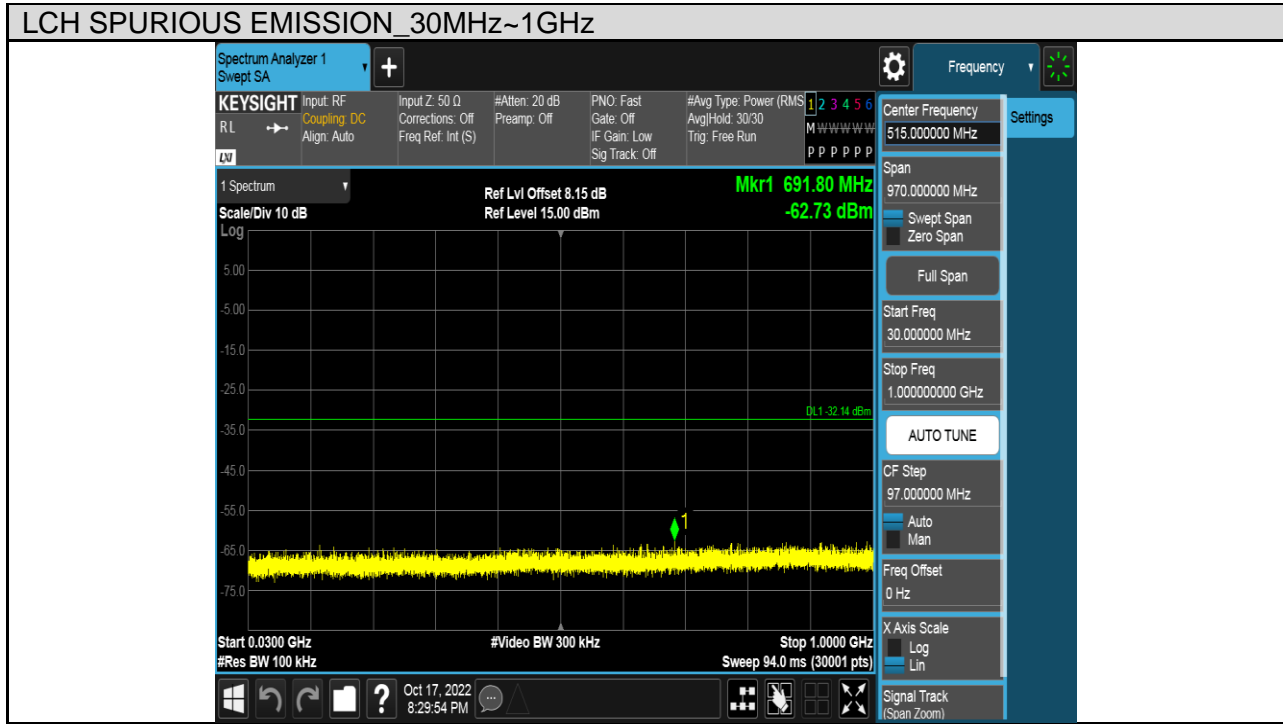


Test Mode	Channel	Verdict
11B	HCH	PASS



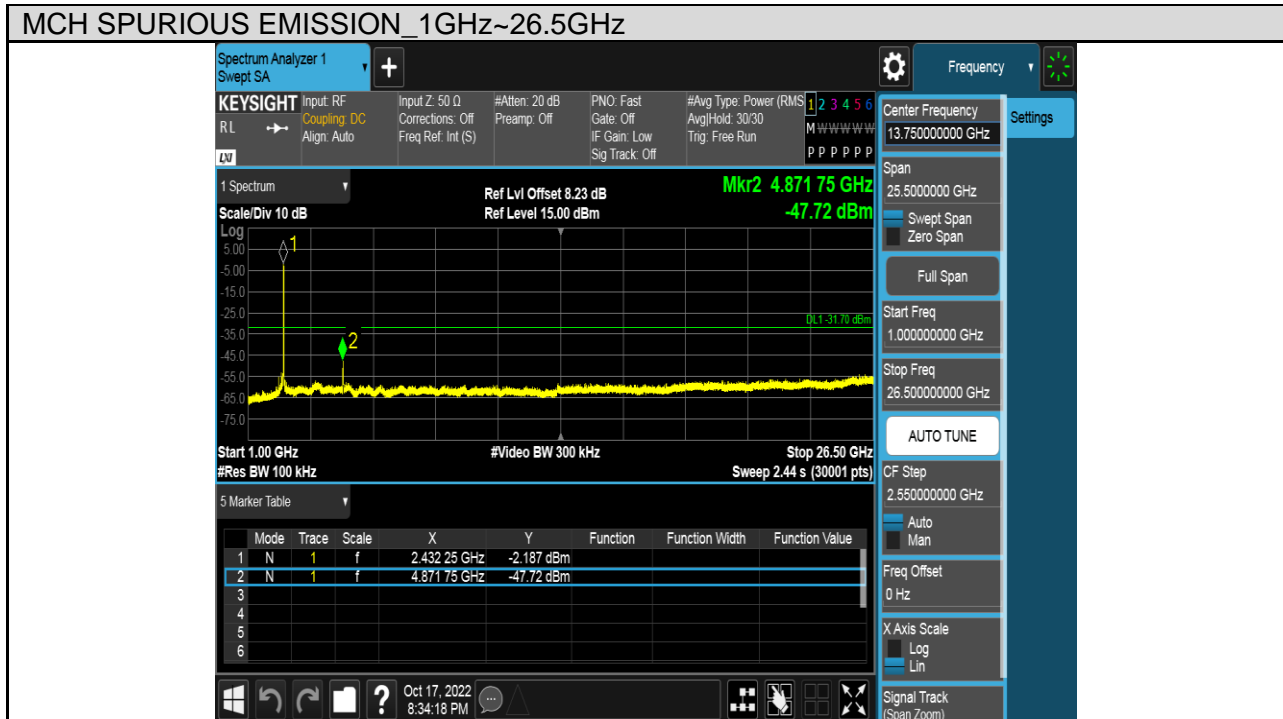
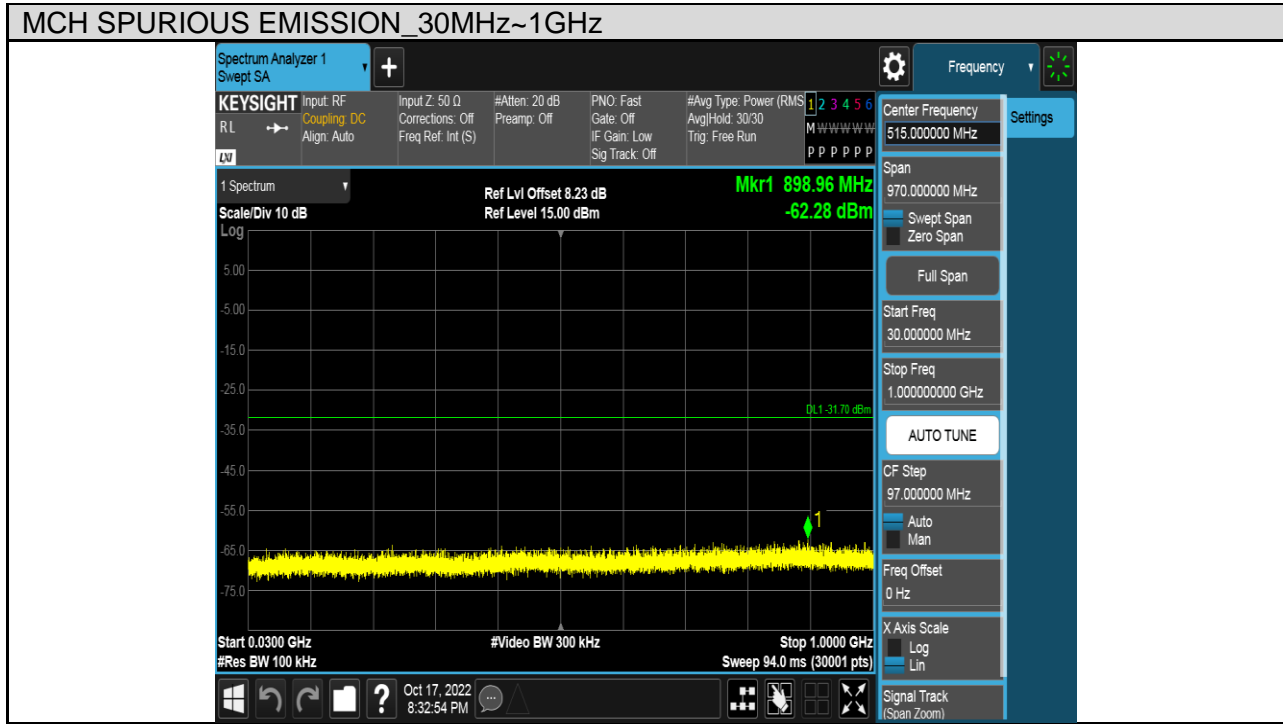


Test Mode	Channel	Verdict
11G	LCH	PASS



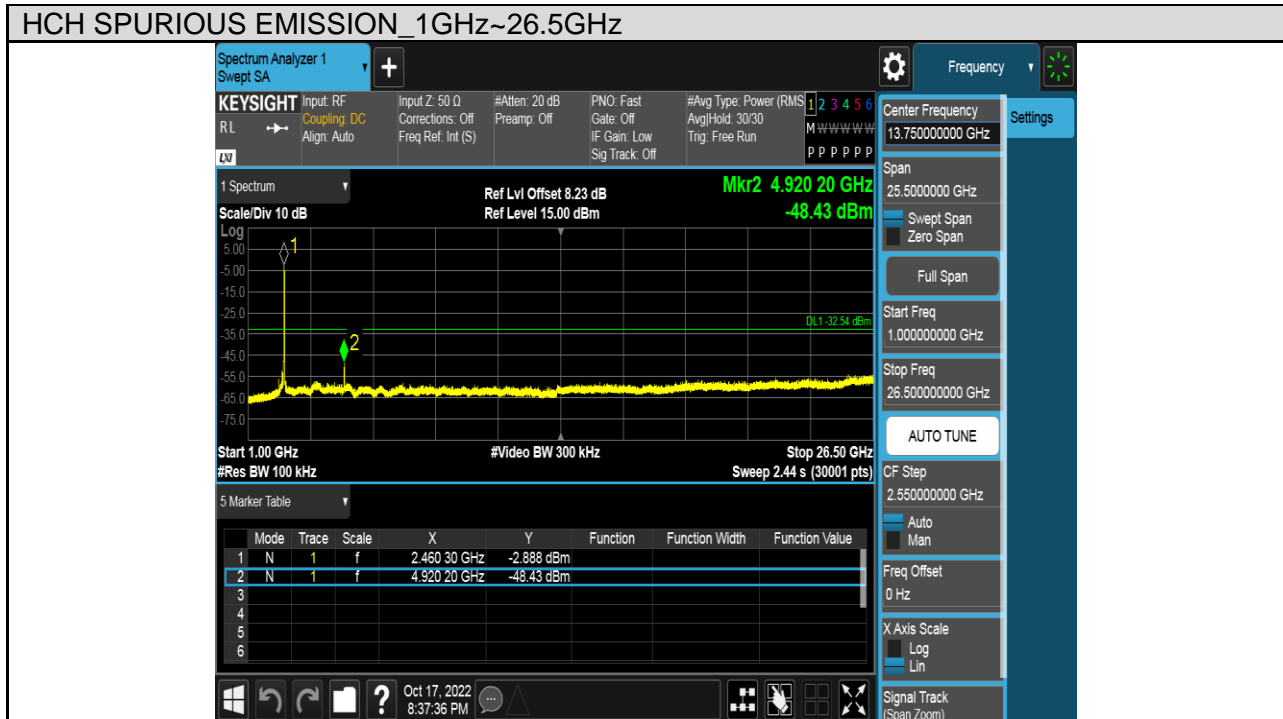
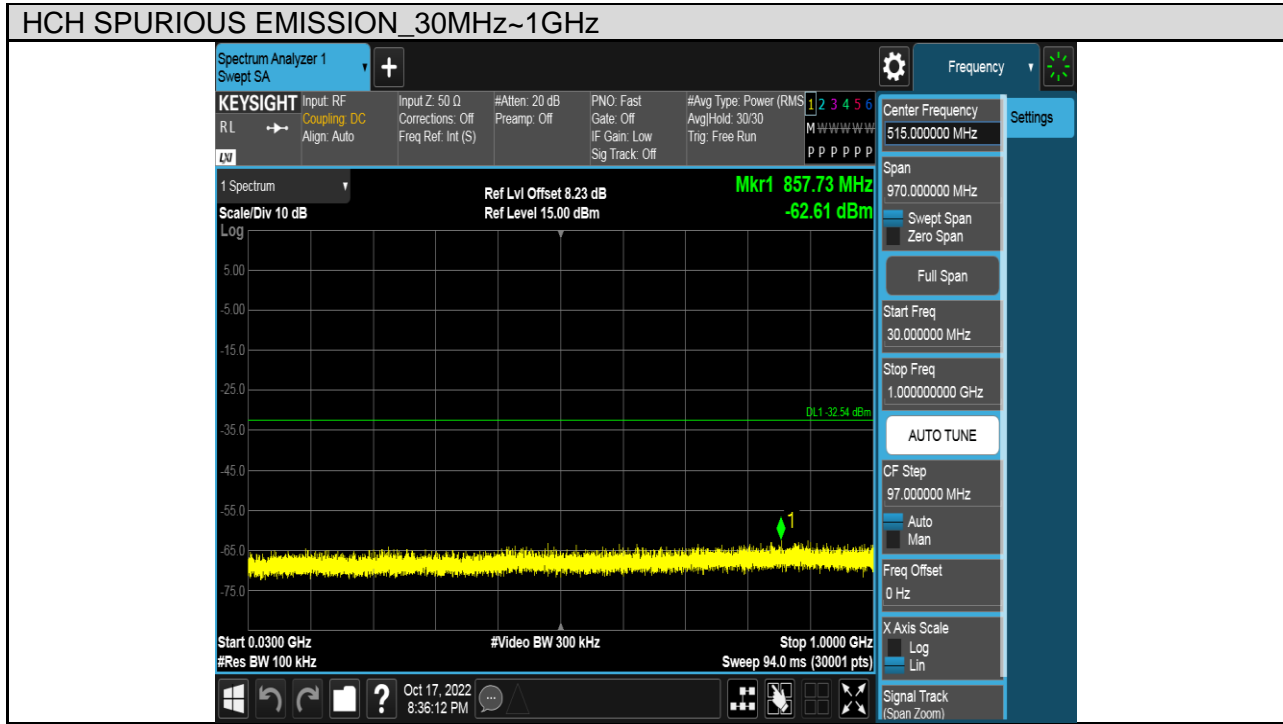


Test Mode	Channel	Verdict
11G	MCH	PASS



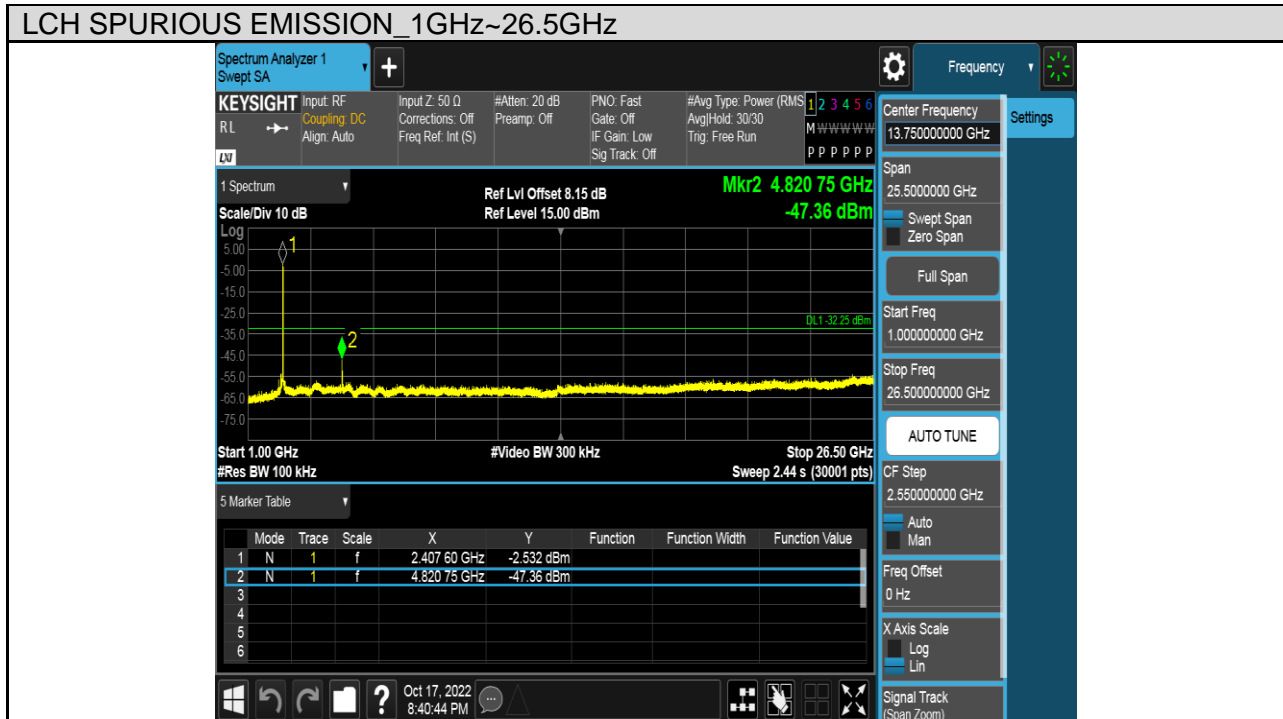
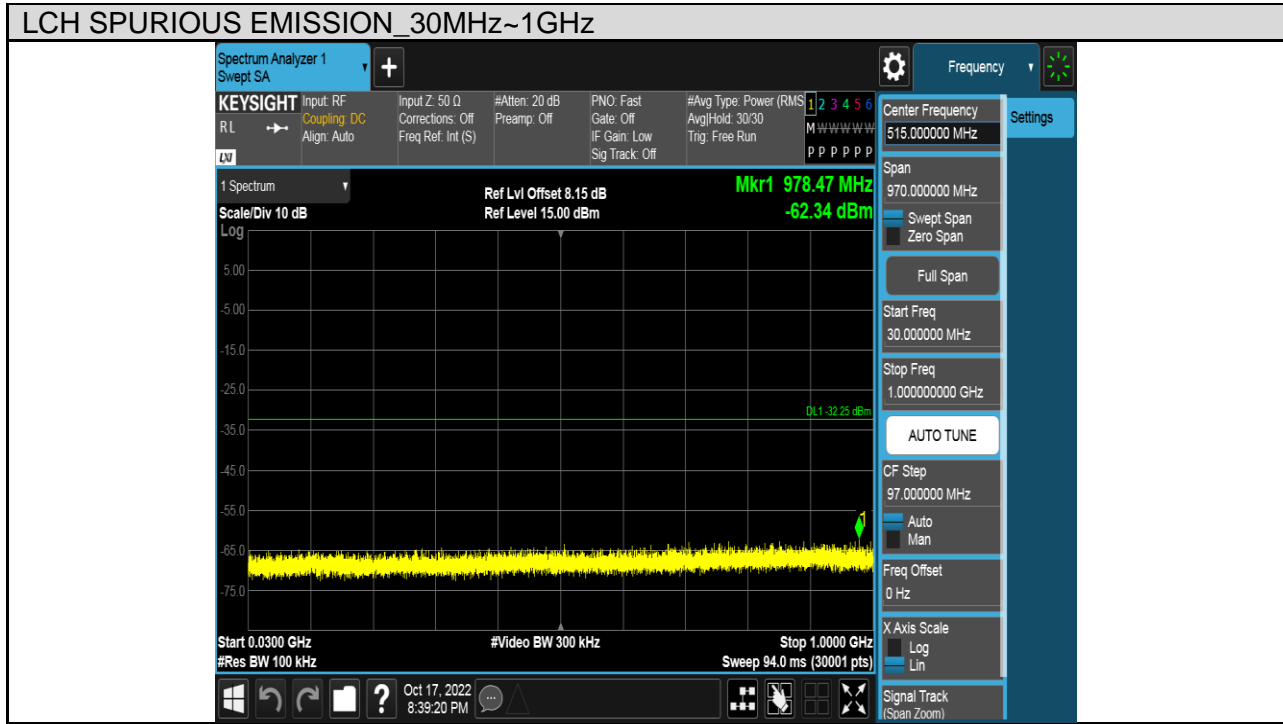


Test Mode	Channel	Verdict
11G	HCH	PASS



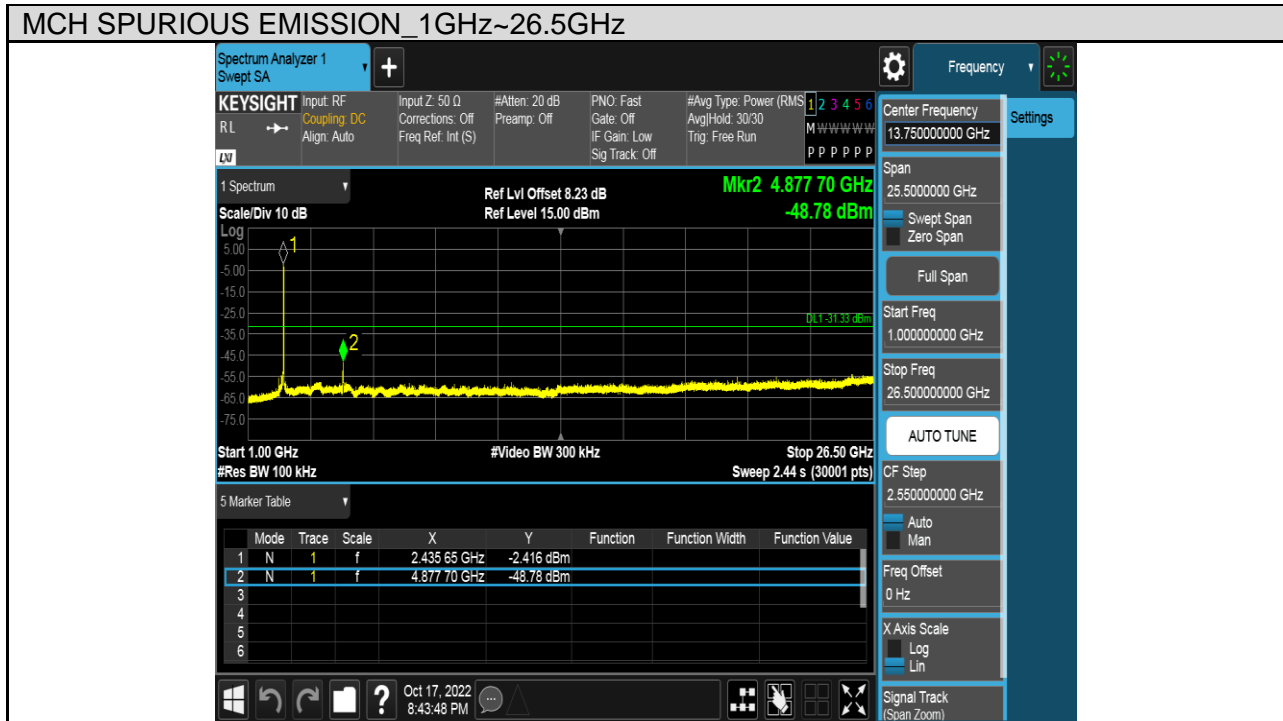
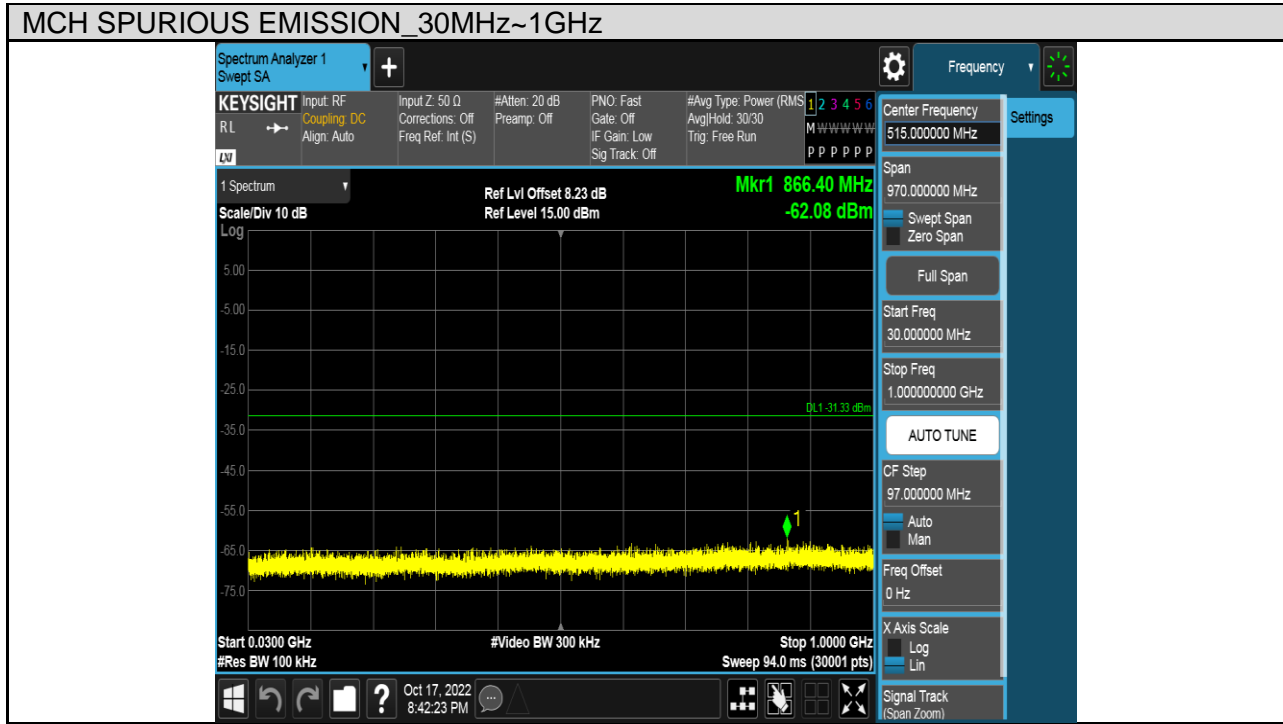


Test Mode	Channel	Verdict
11N HT20	LCH	PASS



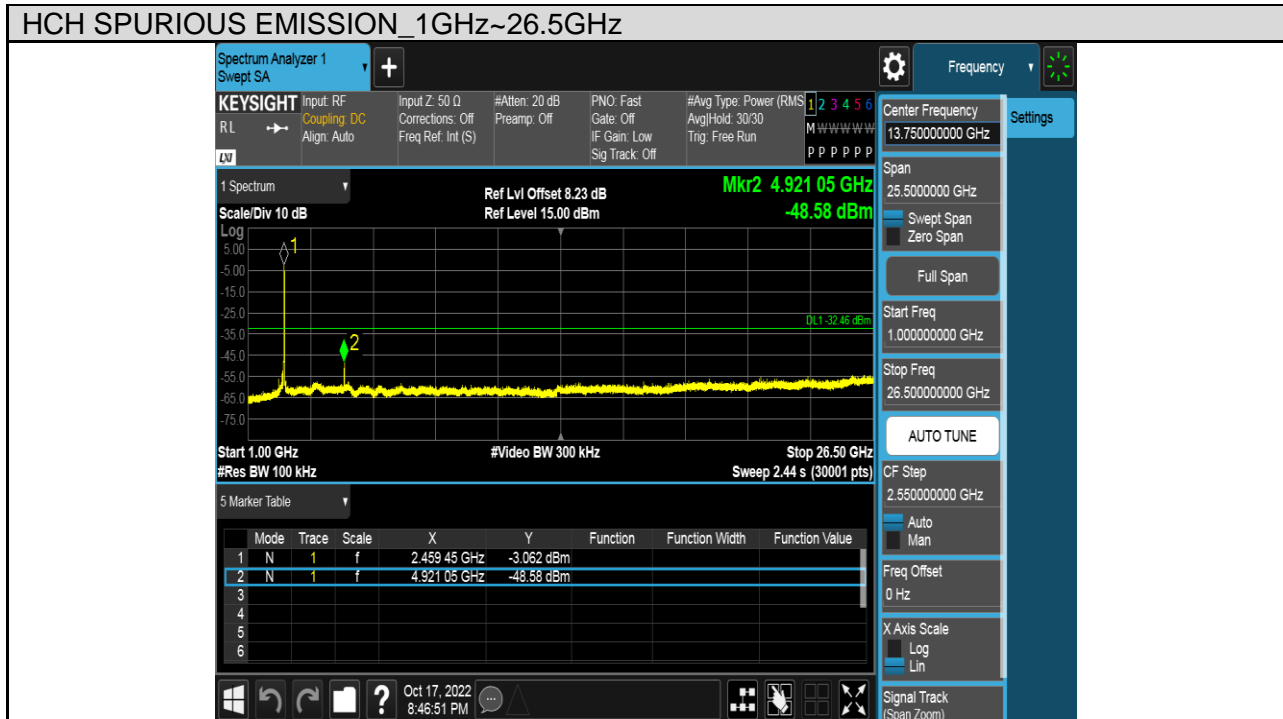
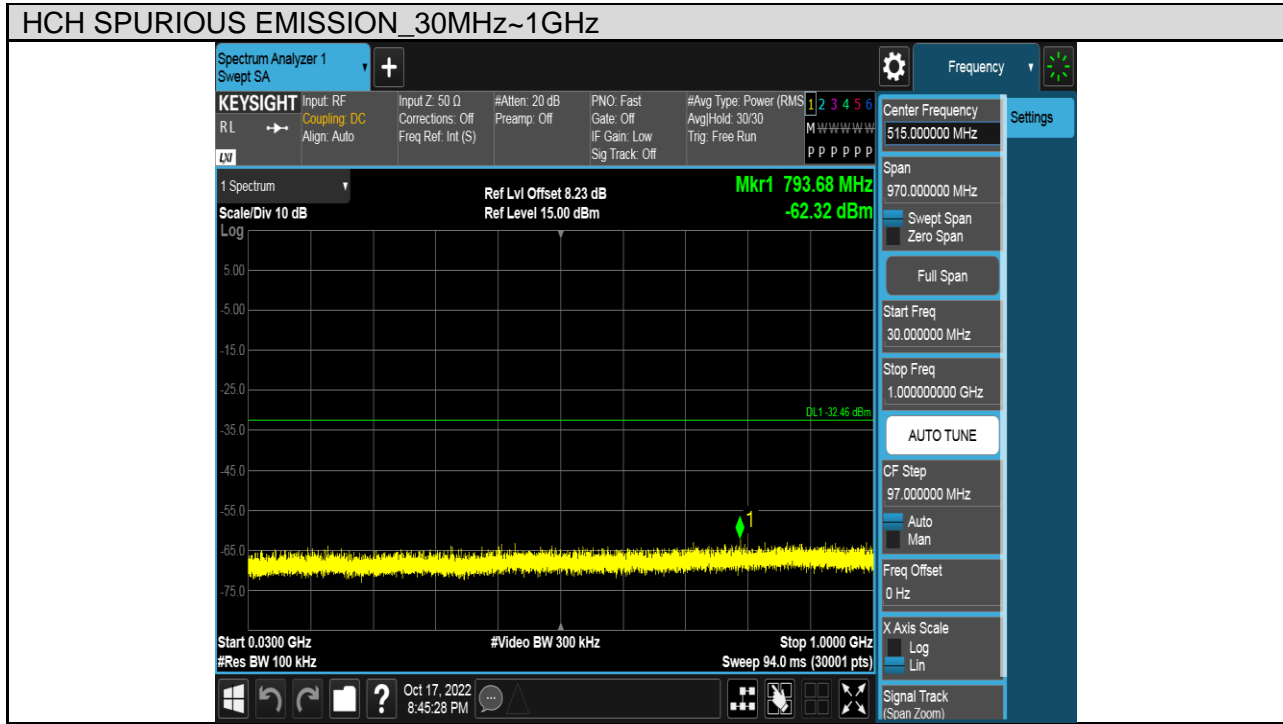


Test Mode	Channel	Verdict
11N HT20	MCH	PASS



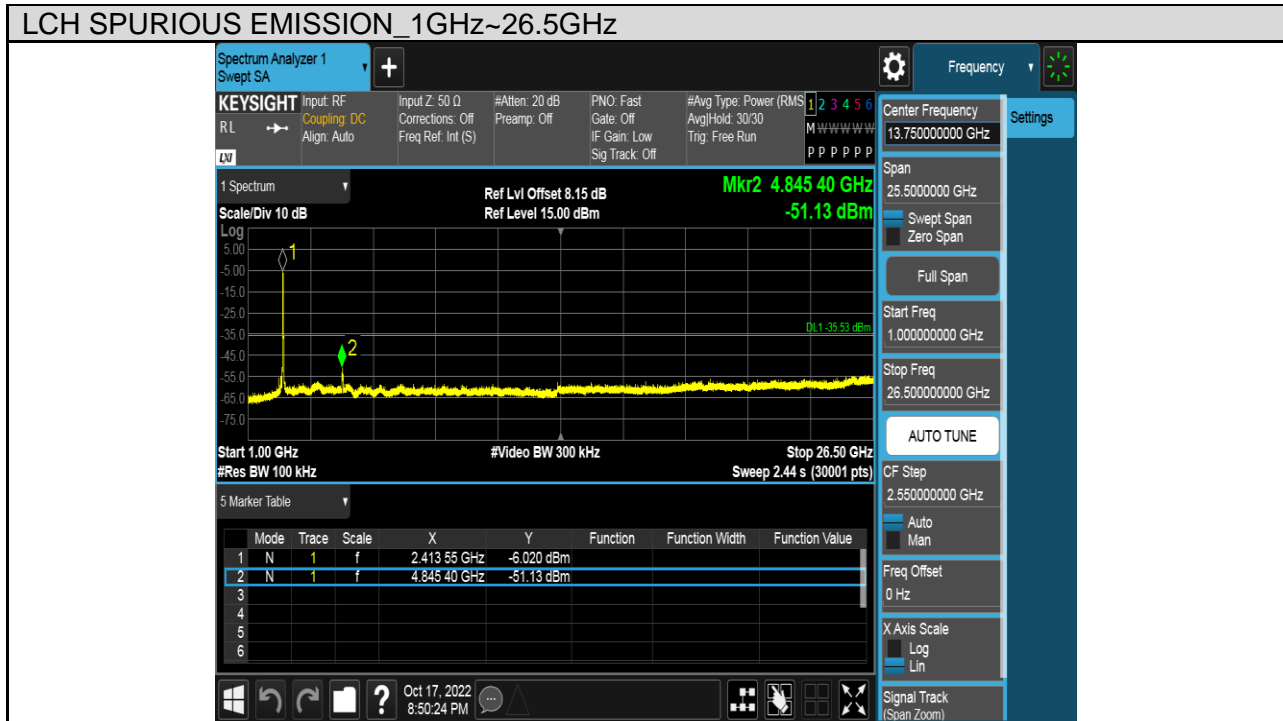
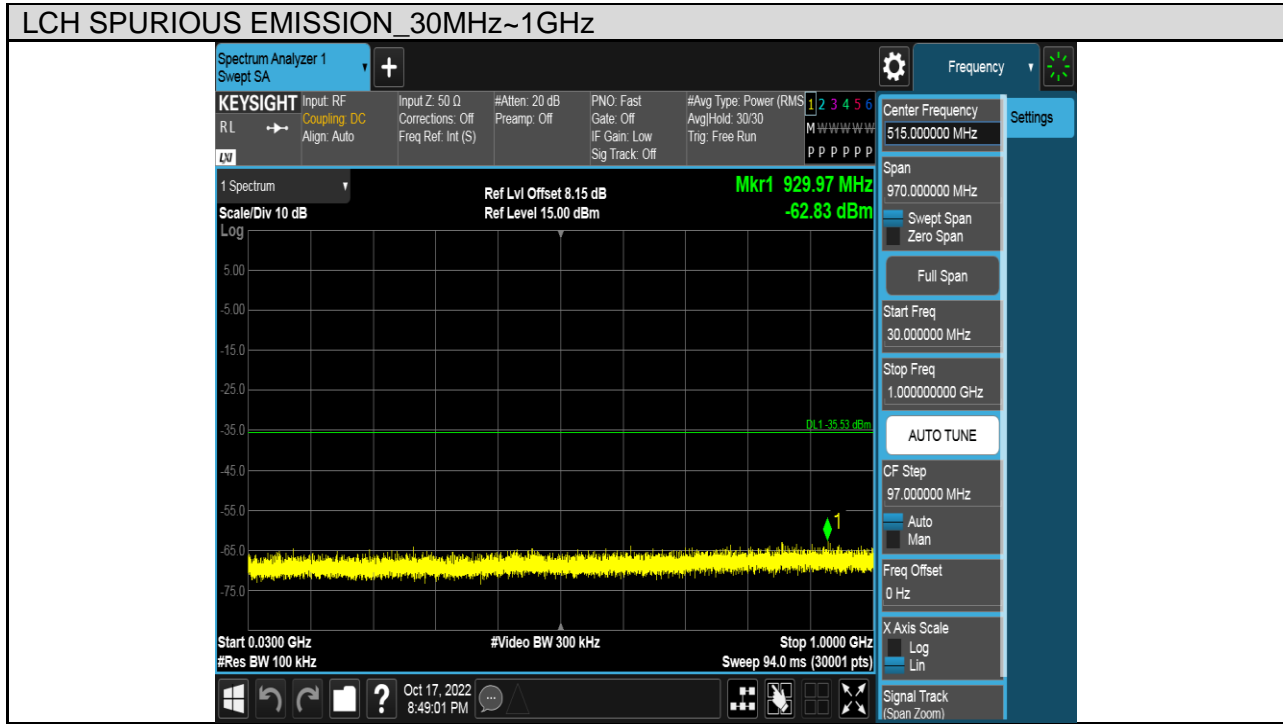


Test Mode	Channel	Verdict
11N HT20	HCH	PASS



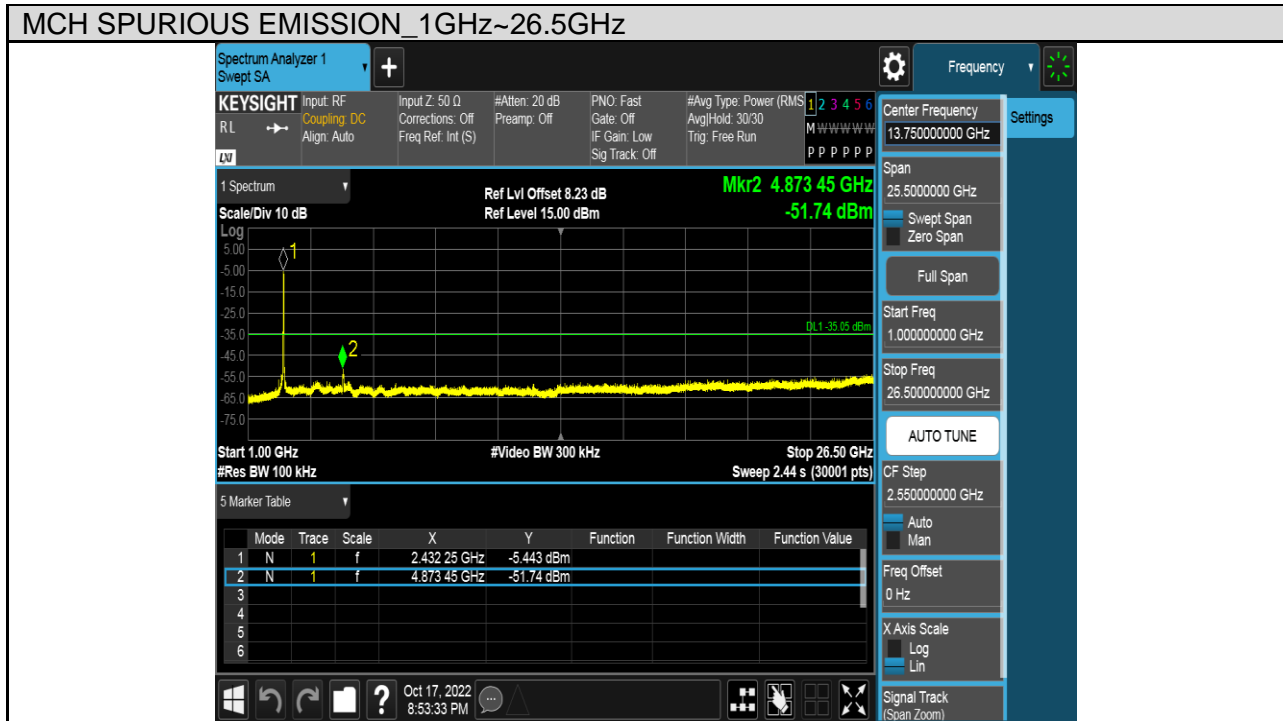
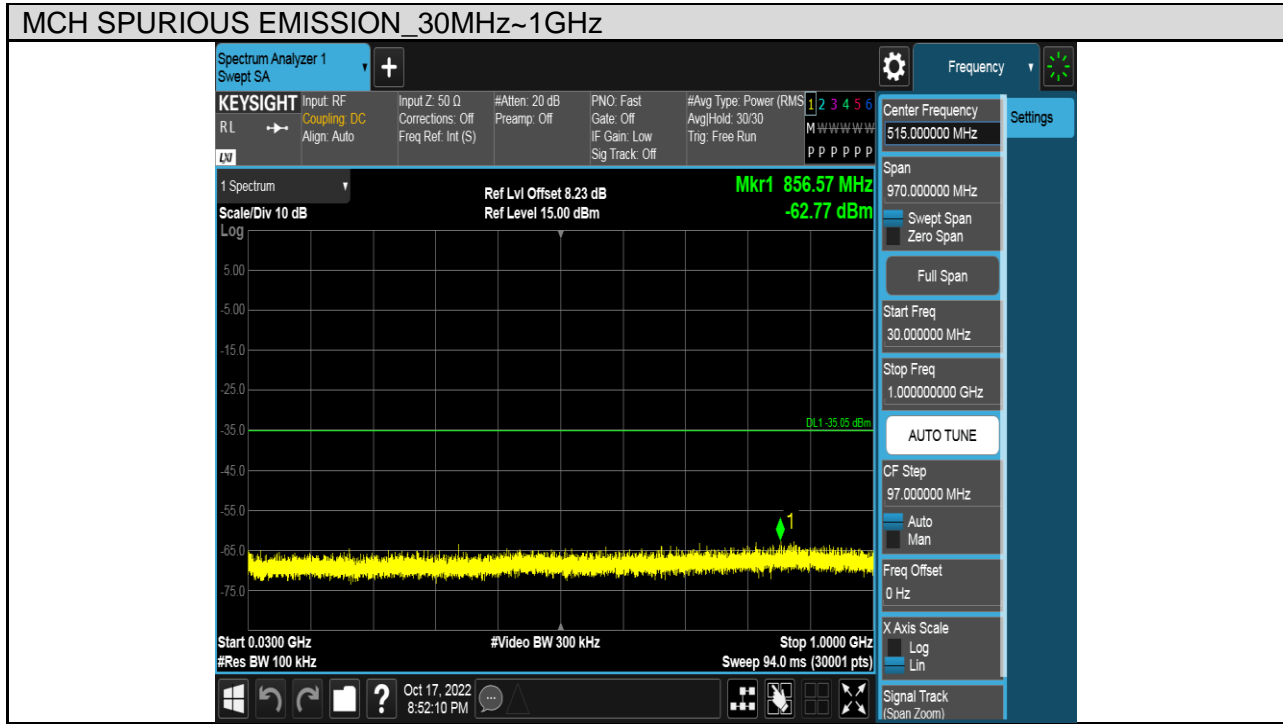


Test Mode	Channel	Verdict
11N HT40	LCH	PASS



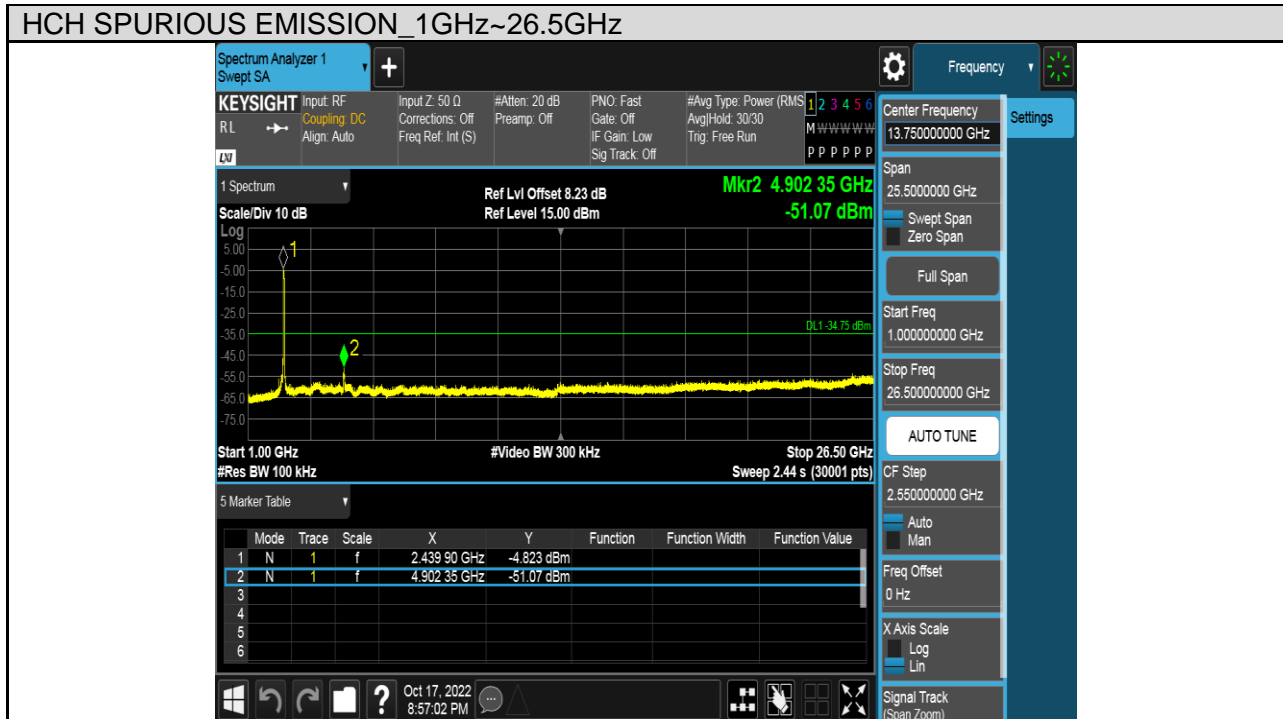
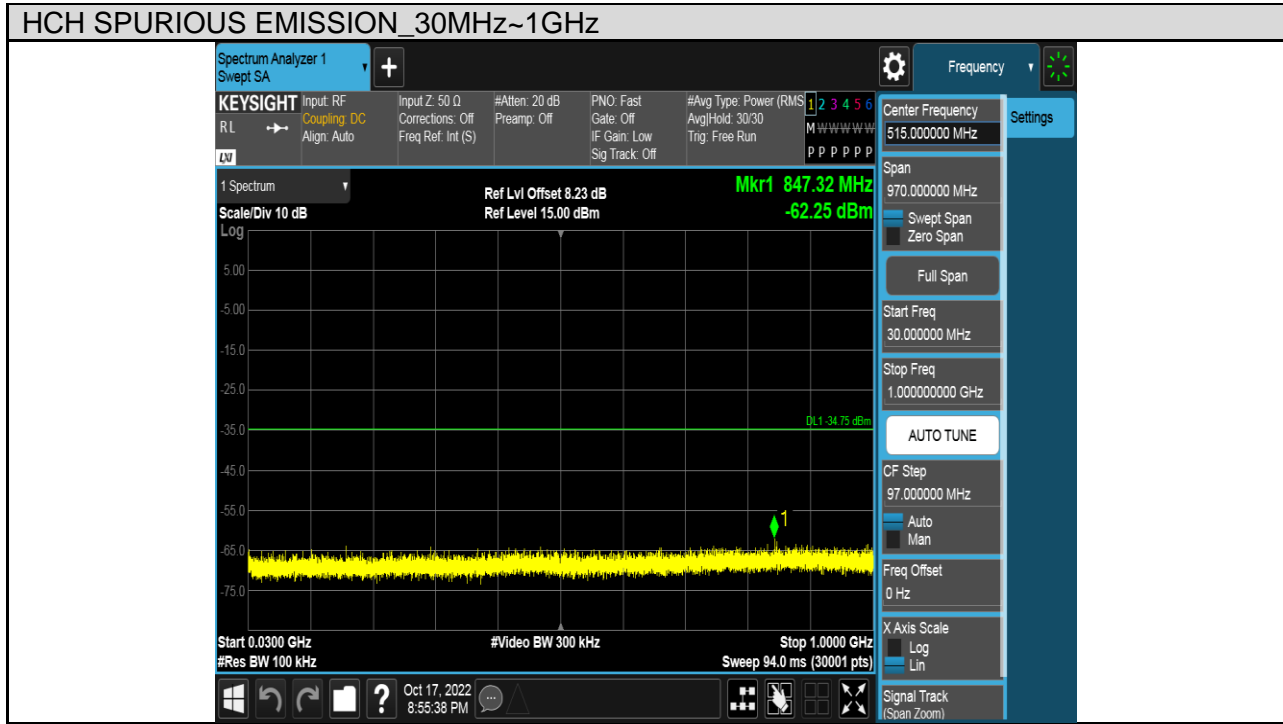


Test Mode	Channel	Verdict
11N HT40	MCH	PASS





Test Mode	Channel	Verdict
11N HT40	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

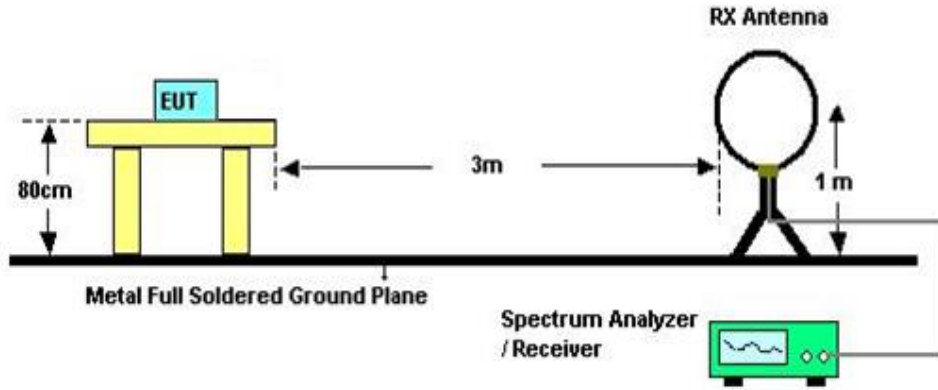
Restricted bands of operation

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

Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
²Above 38.6c

TEST SETUP AND PROCEDURE

Below 30MHz

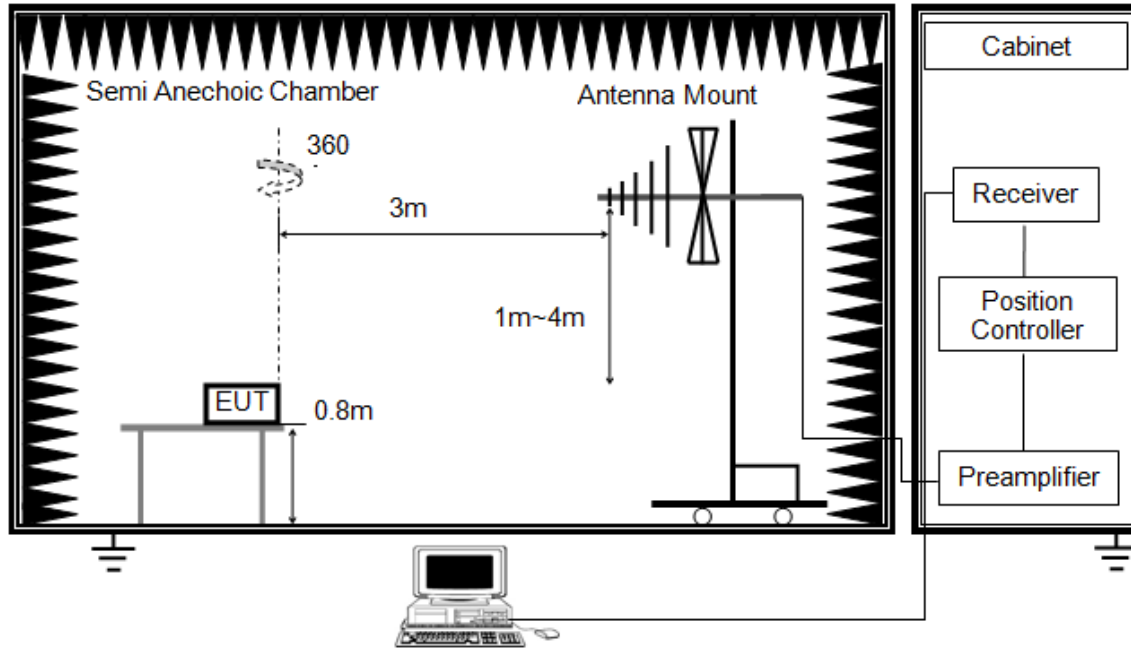


The setting of the spectrum analyser

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

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

Below 1G

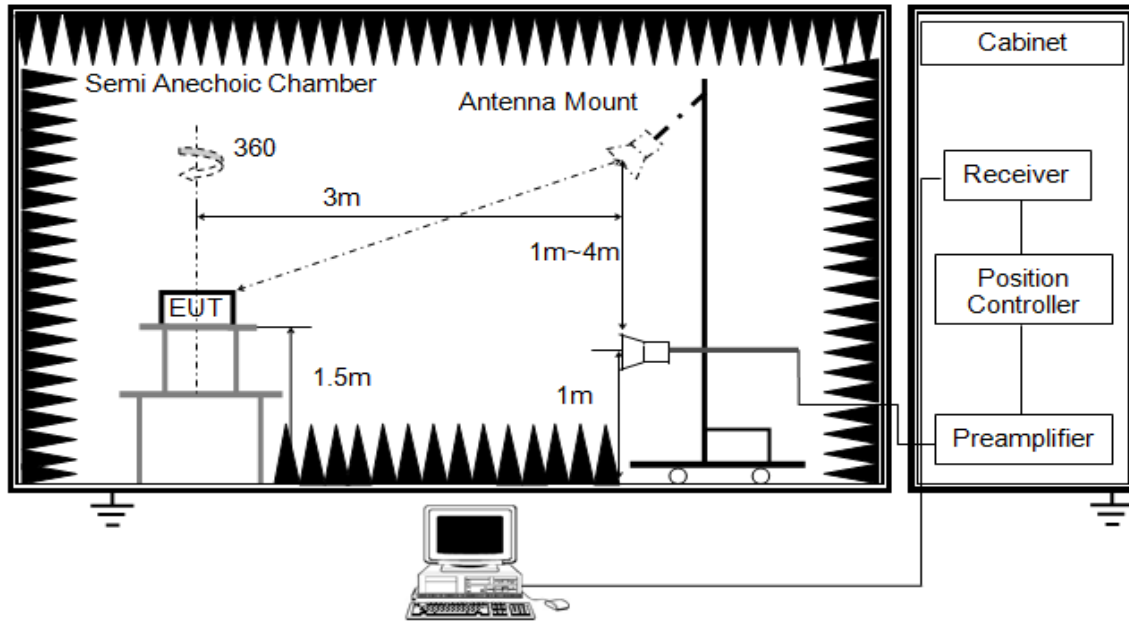


The setting of the spectrum analyser

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

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

Above 1G

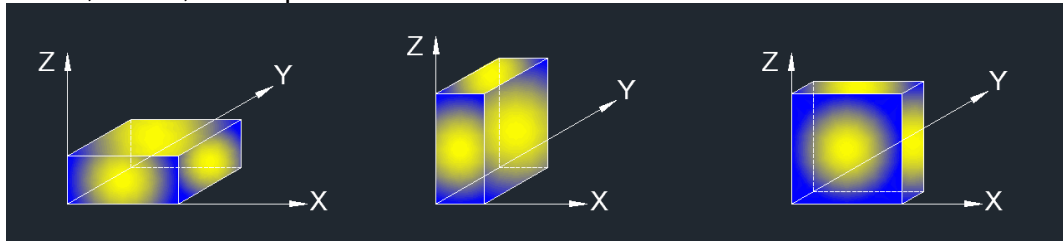


The setting of the spectrum analyser

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

X axis, Y axis, Z axis positions:



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



8.2. TEST ENVIRONMENT

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

8.3. RESTRICTED BANDEDGE

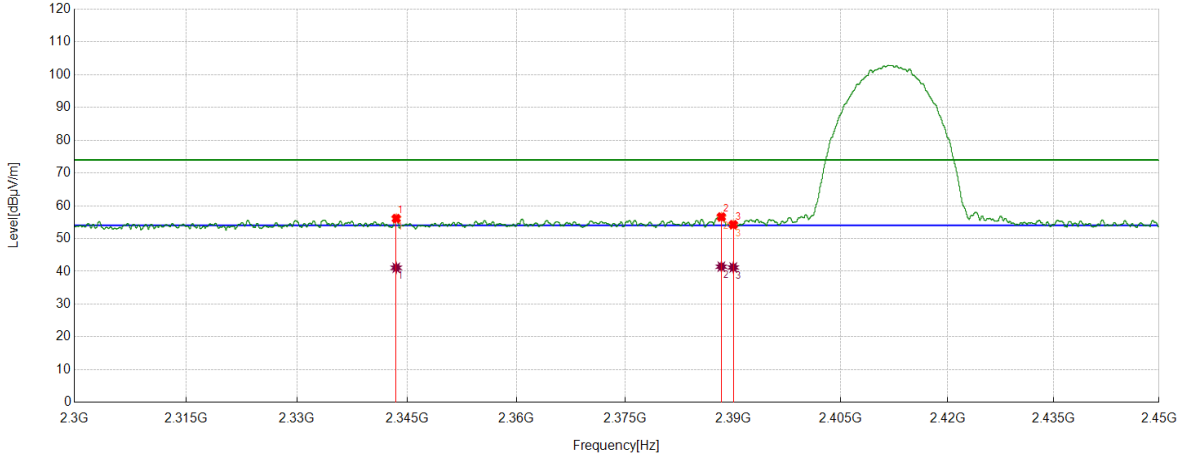
TEST RESULT TABLE

Test Mode	Channel	P _{uw} (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
11N HT40	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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2343.5429	44.98	11.13	56.11	74.00	-17.89	Horizontal
2	2388.3423	45.34	11.26	56.60	74.00	-17.40	Horizontal
3	2390.0000	42.99	11.25	54.24	74.00	-19.76	Horizontal

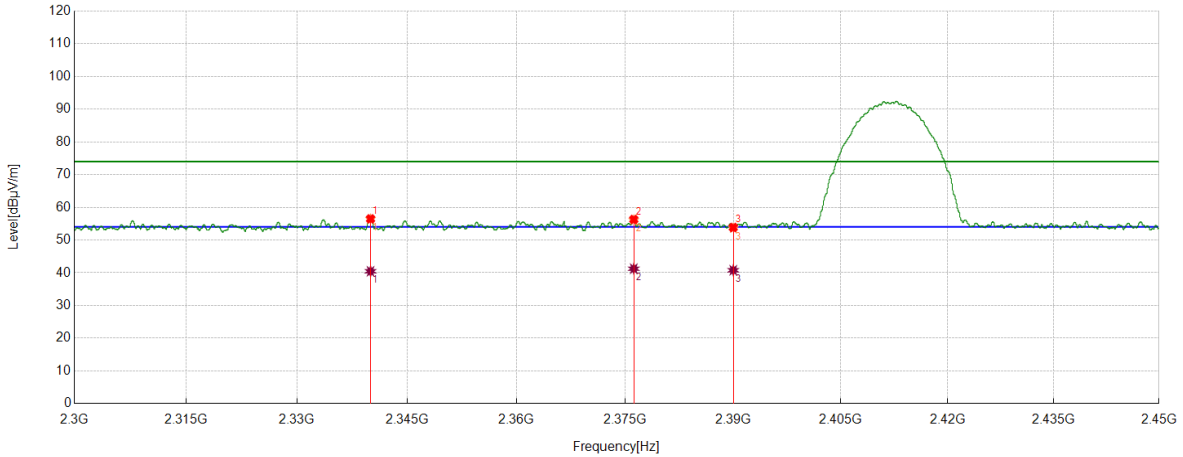
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2343.5429	29.96	11.13	41.09	54.00	-12.91	Horizontal
2	2388.3423	30.16	11.26	41.42	54.00	-12.58	Horizontal
3	2390.0000	29.93	11.25	41.18	54.00	-12.82	Horizontal

- Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
 3. Measurement = Reading Level + Correct Factor.
 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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2340.0363	45.36	11.12	56.48	74.00	-17.52	Vertical
2	2376.1908	44.99	11.30	56.29	74.00	-17.71	Vertical
3	2390.0000	42.60	11.25	53.85	74.00	-20.15	Vertical

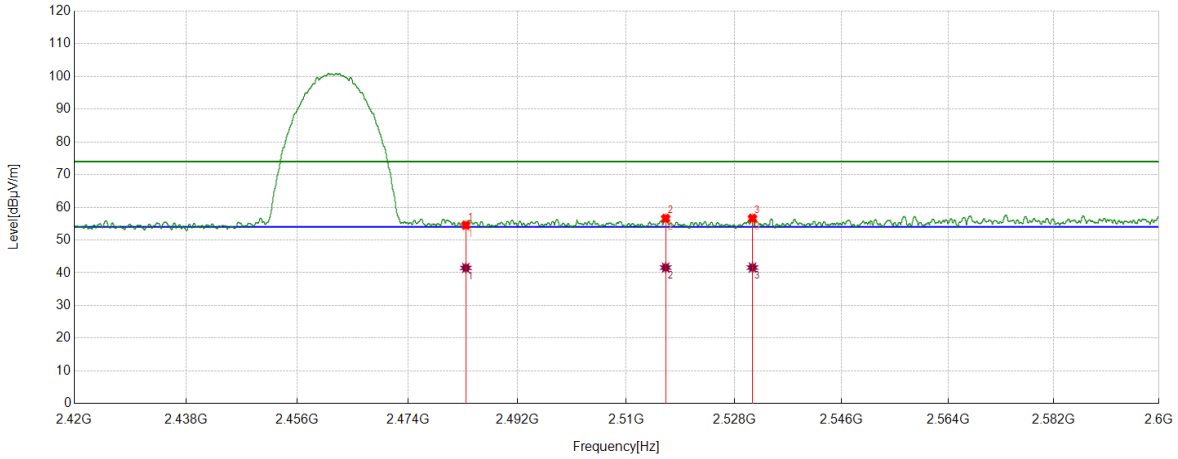
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2340.0363	29.34	11.12	40.46	54.00	-13.54	Vertical
2	2376.1908	29.94	11.30	41.24	54.00	-12.76	Vertical
3	2390.0000	29.52	11.25	40.77	54.00	-13.23	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.
 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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	43.26	11.28	54.54	74.00	-19.46	Horizontal
2	2516.5371	45.05	11.55	56.60	74.00	-17.40	Horizontal
3	2531.0289	44.76	11.87	56.63	74.00	-17.37	Horizontal

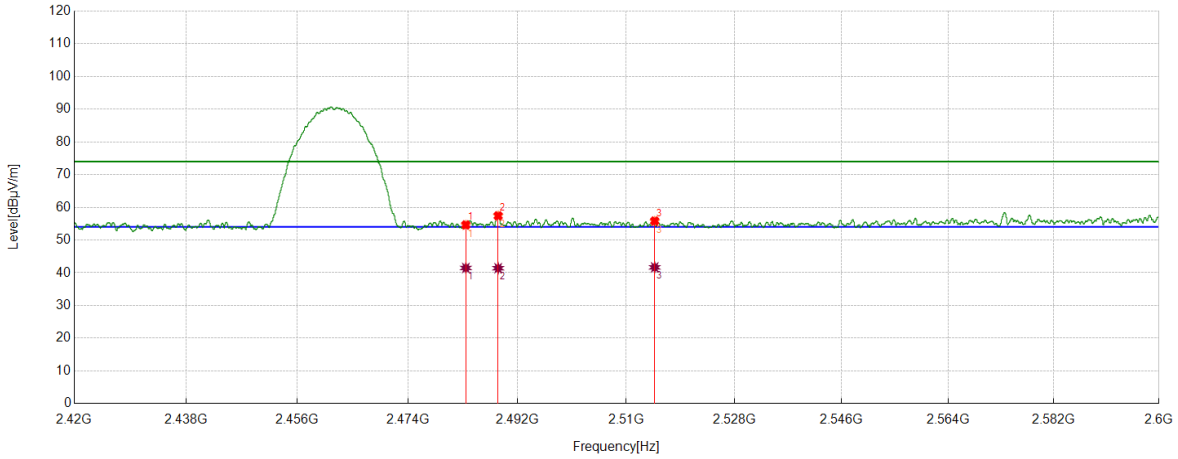
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	30.20	11.28	41.48	54.00	-12.52	Horizontal
2	2516.5371	30.03	11.55	41.58	54.00	-12.42	Horizontal
3	2531.0289	29.72	11.87	41.59	54.00	-12.41	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.
 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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	43.35	11.28	54.63	74.00	-19.37	Vertical
2	2488.8136	46.04	11.37	57.41	74.00	-16.59	Vertical
3	2514.7143	44.29	11.54	55.83	74.00	-18.17	Vertical

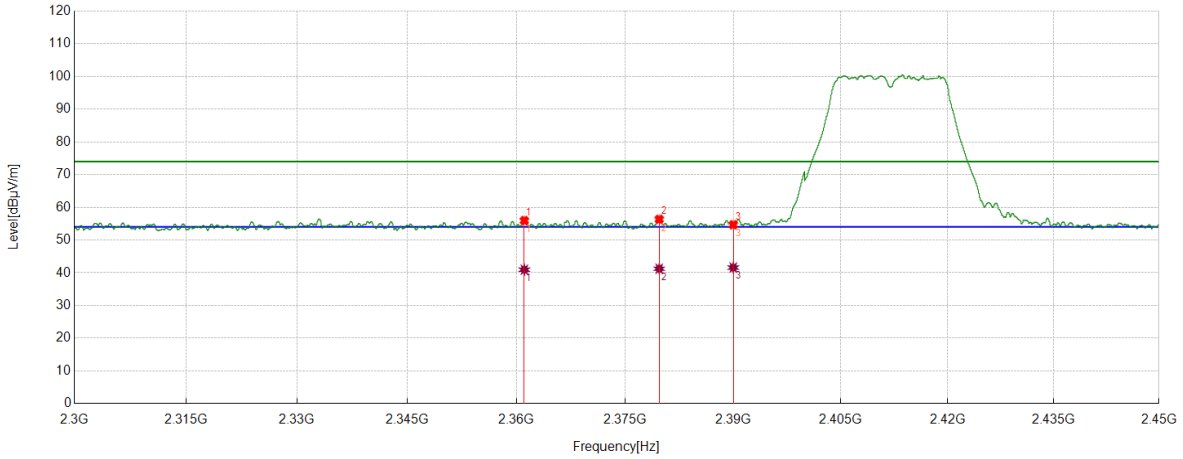
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	30.19	11.28	41.47	54.00	-12.53	Vertical
2	2488.8136	30.03	11.37	41.40	54.00	-12.60	Vertical
3	2514.7143	30.12	11.54	41.66	54.00	-12.34	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.
 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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2361.0951	44.79	11.17	55.96	74.00	-18.04	Horizontal
2	2379.7162	45.04	11.32	56.36	74.00	-17.64	Horizontal
3	2390.0000	43.43	11.25	54.68	74.00	-19.32	Horizontal

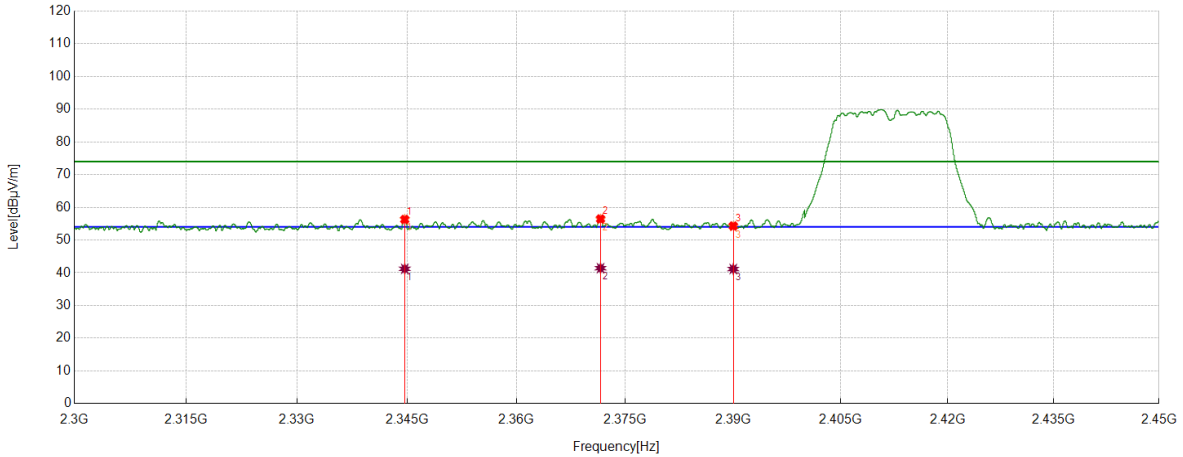
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2361.0951	29.77	11.17	40.94	54.00	-13.06	Horizontal
2	2379.7162	29.92	11.32	41.24	54.00	-12.76	Horizontal
3	2390.0000	30.34	11.25	41.59	54.00	-12.41	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.
 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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2344.7056	45.16	11.13	56.29	74.00	-17.71	Vertical
2	2371.5964	45.18	11.28	56.46	74.00	-17.54	Vertical
3	2390.0000	43.05	11.25	54.30	74.00	-19.70	Vertical

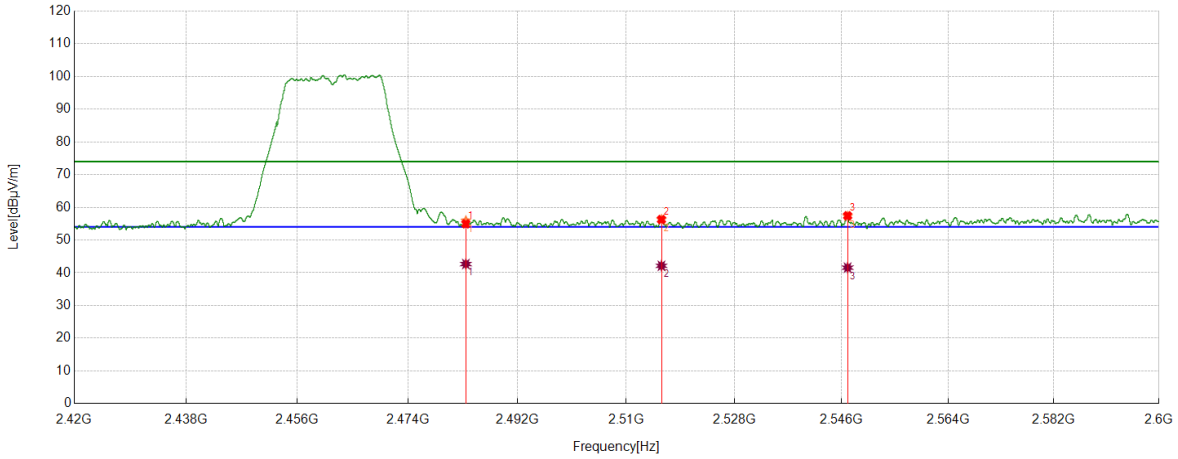
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2344.7056	30.07	11.13	41.20	54.00	-12.80	Vertical
2	2371.5964	30.13	11.28	41.41	54.00	-12.59	Vertical
3	2390.0000	29.90	11.25	41.15	54.00	-12.85	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.
 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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	43.67	11.28	54.95	74.00	-19.05	Horizontal
2	2515.8395	44.72	11.55	56.27	74.00	-17.73	Horizontal
3	2547.0059	45.61	11.81	57.42	74.00	-16.58	Horizontal

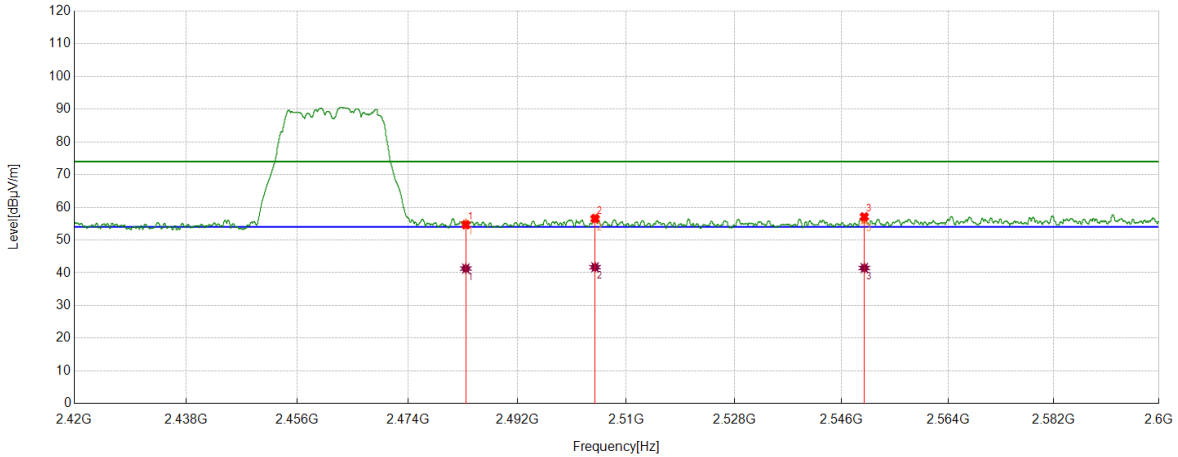
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	31.39	11.28	42.67	54.00	-11.33	Horizontal
2	2515.8395	30.58	11.55	42.13	54.00	-11.87	Horizontal
3	2547.0059	29.76	11.81	41.57	54.00	-12.43	Horizontal

- Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
 3. Measurement = Reading Level + Correct Factor.
 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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	43.39	11.28	54.67	74.00	-19.33	Vertical
2	2504.8131	45.10	11.48	56.58	74.00	-17.42	Vertical
3	2549.8187	45.31	11.80	57.11	74.00	-16.89	Vertical

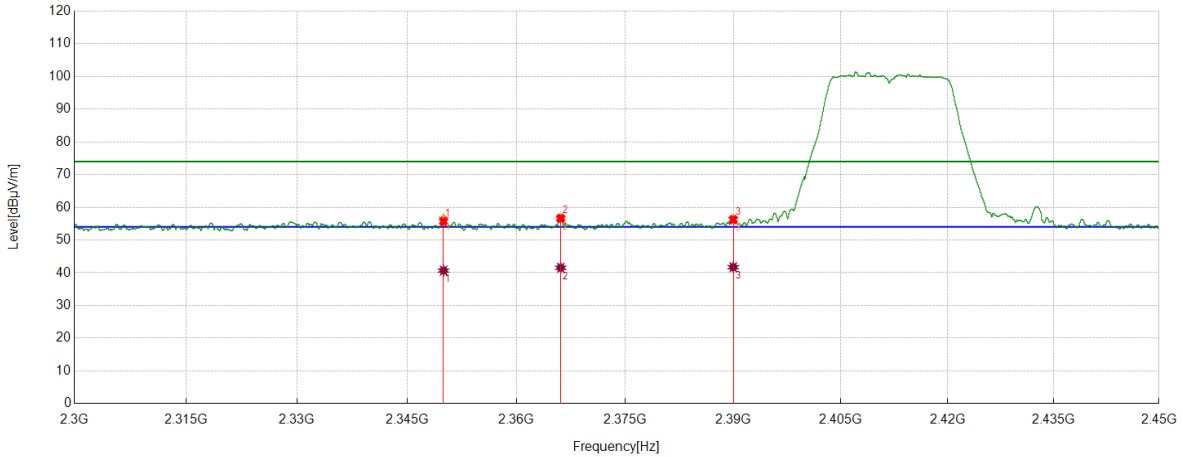
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	30.01	11.28	41.29	54.00	-12.71	Vertical
2	2504.8131	30.21	11.48	41.69	54.00	-12.31	Vertical
3	2549.8187	29.66	11.80	41.46	54.00	-12.54	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.
 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	2350.0125	44.51	11.15	55.66	74.00	-18.34	Horizontal
2	2366.102	45.41	11.23	56.64	74.00	-17.36	Horizontal
3	2390.0000	45.00	11.25	56.25	74.00	-17.75	Horizontal

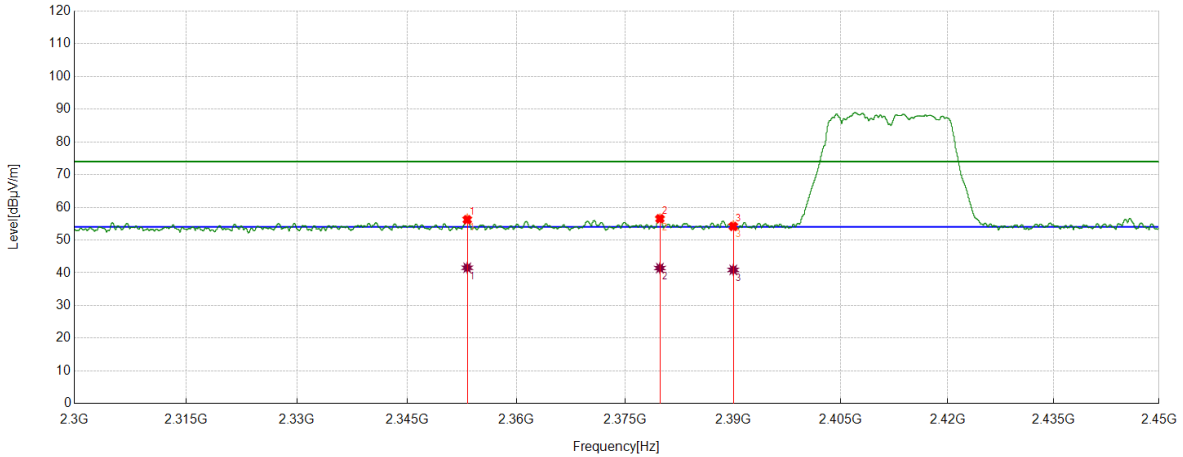
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2350.0125	29.52	11.15	40.67	54.00	-13.33	Horizontal
2	2366.102	30.31	11.23	41.54	54.00	-12.46	Horizontal
3	2390	30.45	11.25	41.70	54.00	-12.30	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.
 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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2353.2567	45.06	11.15	56.21	74.00	-17.79	Vertical
2	2379.81	45.20	11.32	56.52	74.00	-17.48	Vertical
3	2390.0000	42.92	11.25	54.17	74.00	-19.83	Vertical

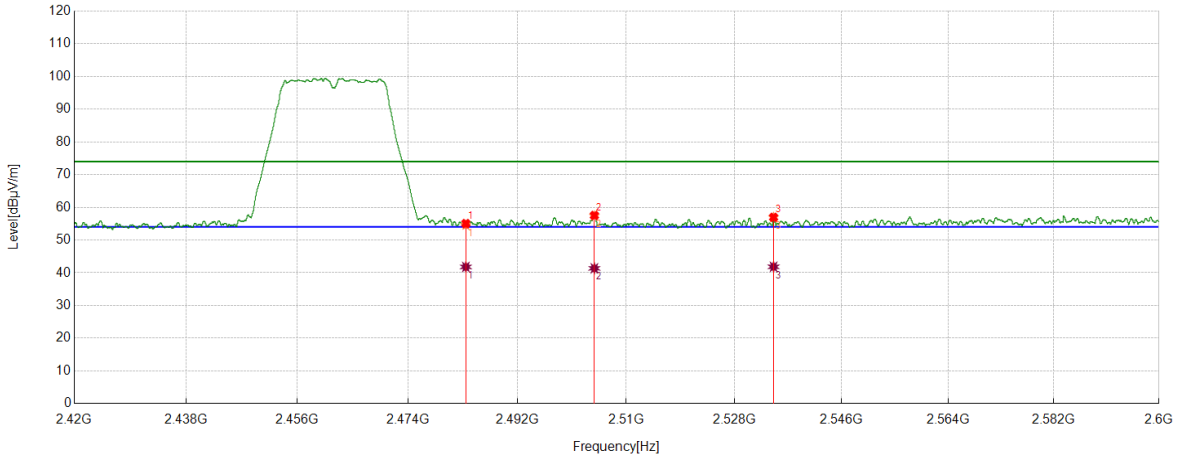
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2353.2567	30.38	11.15	41.53	54.00	-12.47	Vertical
2	2379.81	30.12	11.32	41.44	54.00	-12.56	Vertical
3	2390	29.64	11.25	40.89	54.00	-13.11	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.
 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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	43.77	11.28	55.05	74.00	-18.95	Horizontal
2	2504.7006	46.04	11.48	57.52	74.00	-16.48	Horizontal
3	2534.5618	45.07	11.87	56.94	74.00	-17.06	Horizontal

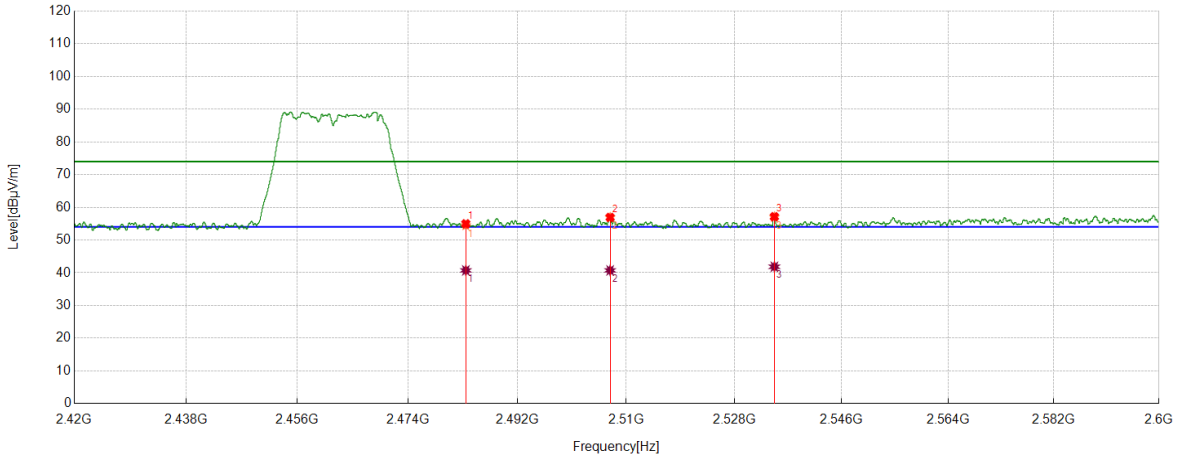
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	30.51	11.28	41.79	54.00	-12.21	Horizontal
2	2504.7006	29.88	11.48	41.36	54.00	-12.64	Horizontal
3	2534.5618	29.96	11.87	41.83	54.00	-12.17	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.
 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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	43.69	11.28	54.97	74.00	-19.03	Vertical
2	2507.3109	45.44	11.48	56.92	74.00	-17.08	Vertical
3	2534.6968	45.26	11.87	57.13	74.00	-16.87	Vertical

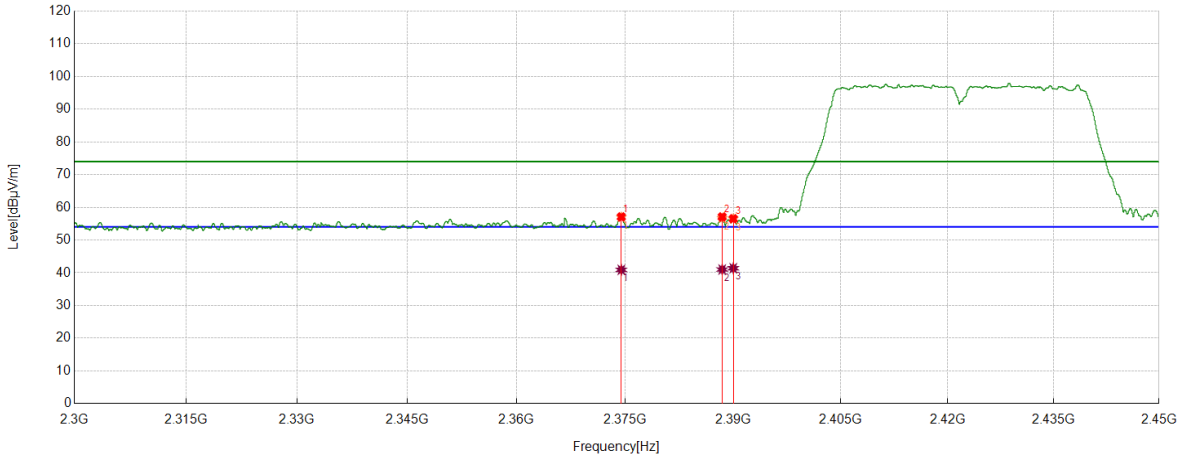
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	29.45	11.28	40.73	54.00	-13.27	Vertical
2	2507.3109	29.25	11.48	40.73	54.00	-13.27	Vertical
3	2534.6968	29.97	11.87	41.84	54.00	-12.16	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.
 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 HT40	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	2374.4656	45.79	11.29	57.08	74.00	-16.92	Horizontal
2	2388.4548	45.82	11.26	57.08	74.00	-16.92	Horizontal
3	2390.0000	45.27	11.25	56.52	74.00	-17.48	Horizontal

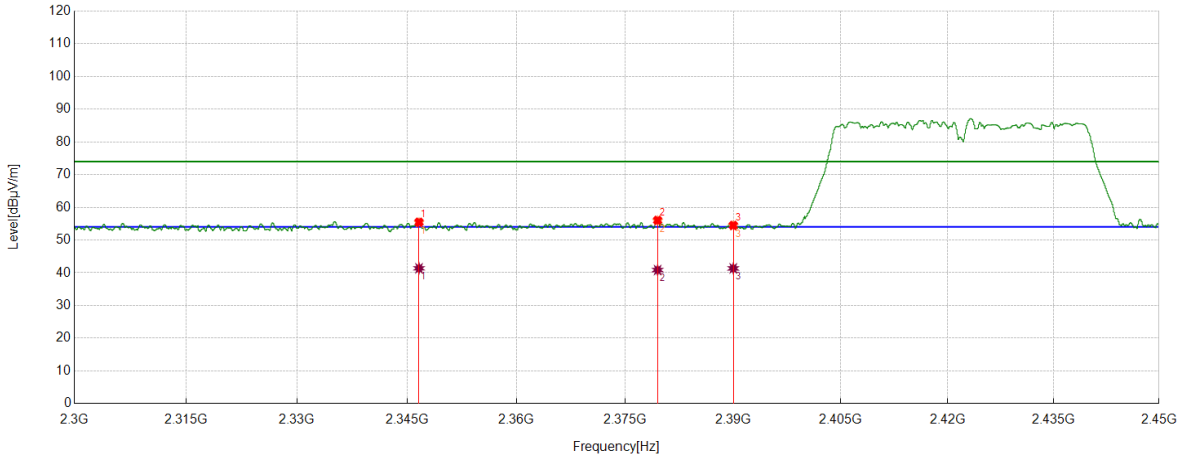
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2374.4656	29.61	11.29	40.90	54.00	-13.10	Horizontal
2	2388.4548	29.74	11.26	41.00	54.00	-13.00	Horizontal
3	2390.0000	30.14	11.25	41.39	54.00	-12.61	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.
 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 HT40	LCH	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2346.6558	44.31	11.14	55.45	74.00	-18.55	Vertical
2	2379.4912	44.71	11.32	56.03	74.00	-17.97	Vertical
3	2390.0000	43.23	11.25	54.48	74.00	-19.52	Vertical

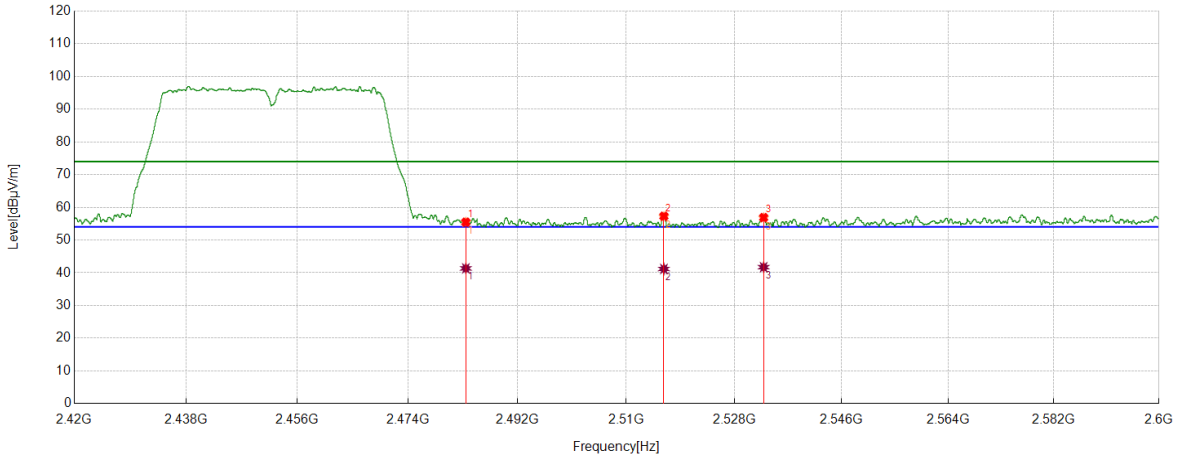
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2346.6558	30.23	11.14	41.37	54.00	-12.63	Vertical
2	2379.4912	29.52	11.32	40.84	54.00	-13.16	Vertical
3	2390.0000	30.09	11.25	41.34	54.00	-12.66	Vertical

- Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
 3. Measurement = Reading Level + Correct Factor.
 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 HT40	HCH	Horizontal	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	44.19	11.28	55.47	74.00	-18.53	Horizontal
2	2516.2445	45.73	11.55	57.28	74.00	-16.72	Horizontal
3	2532.8966	45.00	11.87	56.87	74.00	-17.13	Horizontal

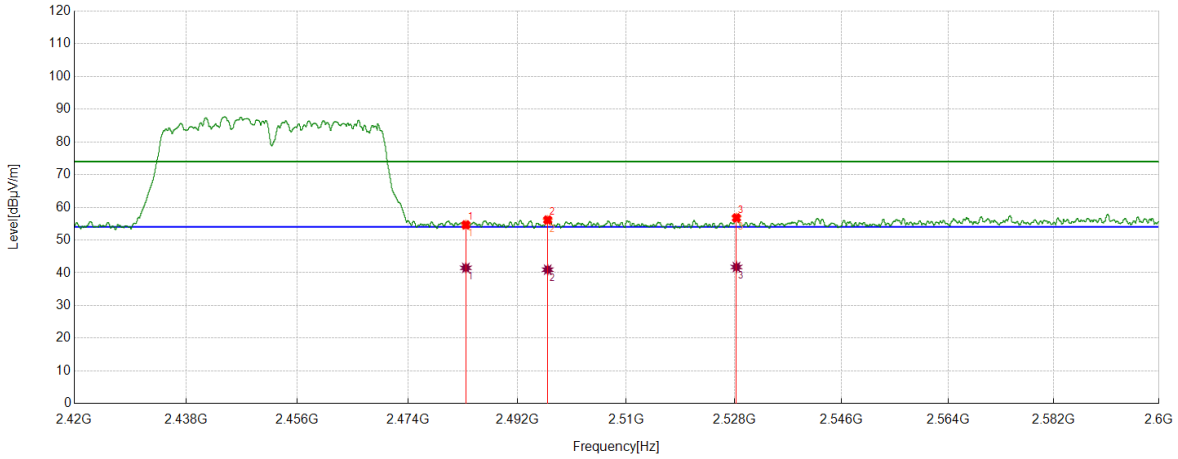
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	30.06	11.28	41.34	54.00	-12.66	Horizontal
2	2516.2445	29.62	11.55	41.17	54.00	-12.83	Horizontal
3	2532.8966	29.84	11.87	41.71	54.00	-12.29	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.
 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 HT40	HCH	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	43.36	11.28	54.64	74.00	-19.36	Vertical
2	2496.9821	44.70	11.44	56.14	74.00	-17.86	Vertical
3	2528.351	44.94	11.83	56.77	74.00	-17.23	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5000	30.22	11.28	41.50	54.00	-12.50	Vertical
2	2496.9821	29.51	11.44	40.95	54.00	-13.05	Vertical
3	2528.351	29.93	11.83	41.76	54.00	-12.24	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.
 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
11N HT40	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:

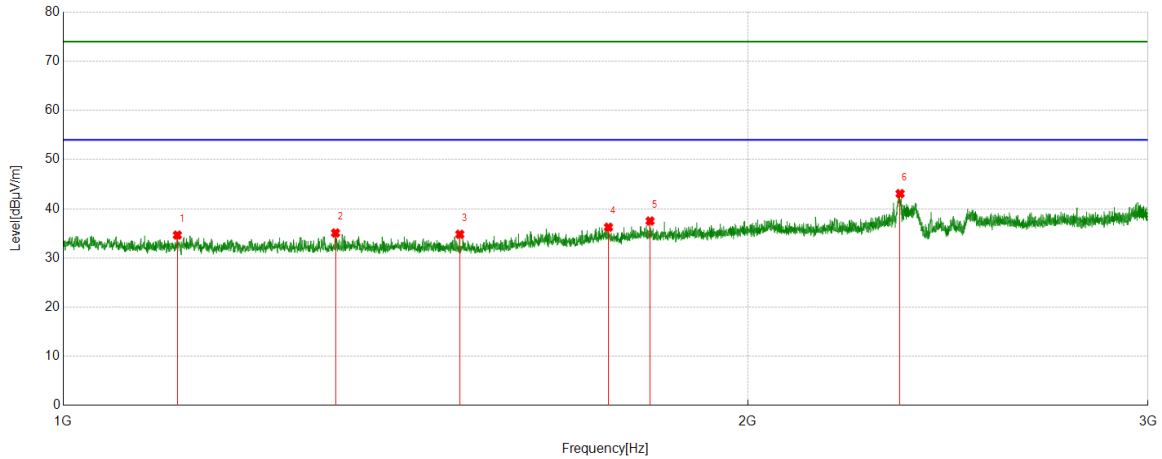
1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.



Part 1: 1GHz~3GHz

HARMONICS AND SPURIOUS EMISSIONS

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

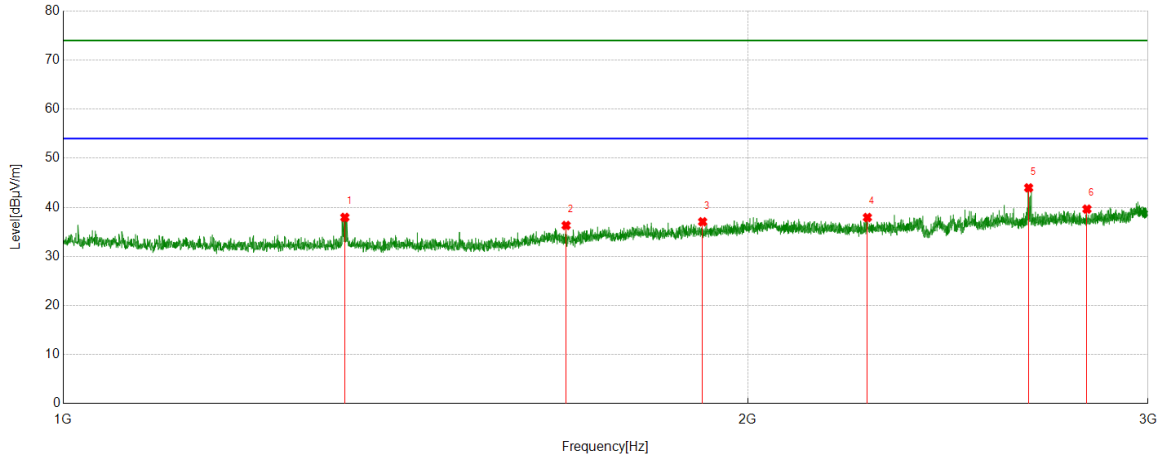


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1122.5153	40.70	-6.05	34.65	74.00	-39.35	Horizontal
2	1317.5397	41.45	-6.37	35.08	74.00	-38.92	Horizontal
3	1494.3118	41.44	-6.63	34.81	74.00	-39.19	Horizontal
4	1737.0921	41.03	-4.79	36.24	74.00	-37.76	Horizontal
5	1811.8515	41.86	-4.35	37.51	74.00	-36.49	Horizontal
6	2333.9167	46.19	-3.12	43.07	74.00	-30.93	Horizontal

- 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. 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

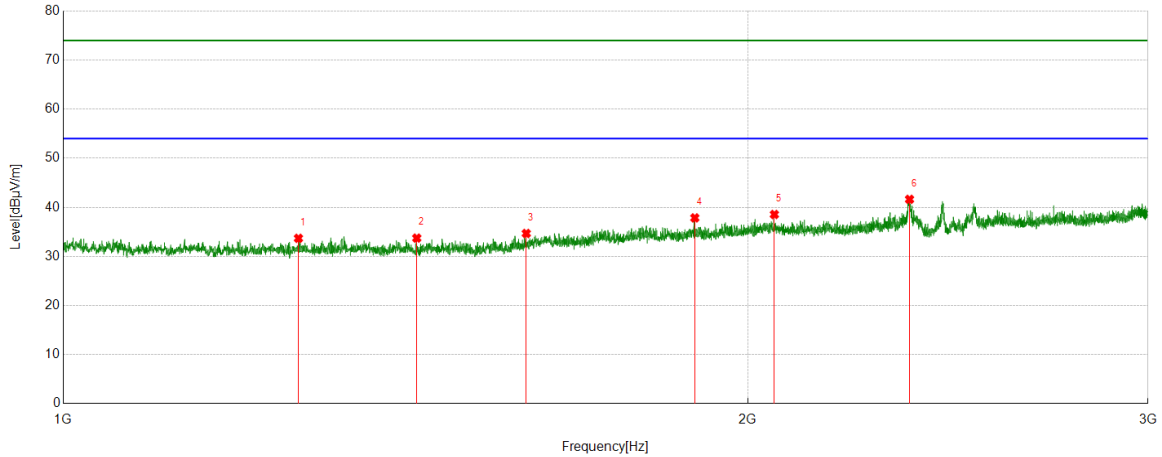


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1330.0413	44.37	-6.42	37.95	74.00	-36.05	Vertical
2	1664.083	41.42	-5.11	36.31	74.00	-37.69	Vertical
3	1910.8639	40.66	-3.60	37.06	74.00	-36.94	Vertical
4	2257.9072	41.15	-3.22	37.93	74.00	-36.07	Vertical
5	2658.4573	45.81	-1.84	43.97	74.00	-30.03	Vertical
6	2820.2275	41.09	-1.46	39.63	74.00	-34.37	Vertical

- 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. 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

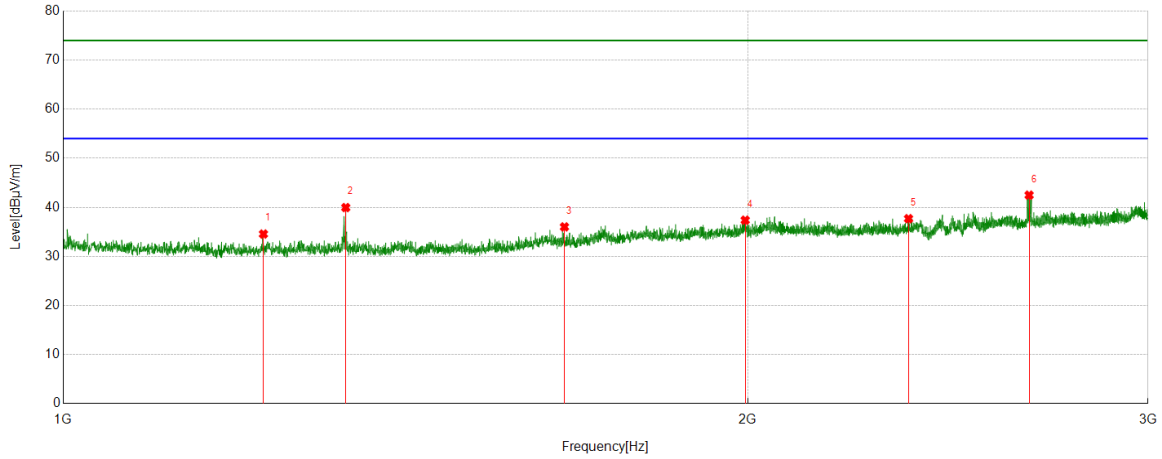


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1269.0336	39.84	-6.15	33.69	74.00	-40.31	Horizontal
2	1430.5538	40.34	-6.61	33.73	74.00	-40.27	Horizontal
3	1598.3248	40.28	-5.60	34.68	74.00	-39.32	Horizontal
4	1895.862	41.65	-3.80	37.85	74.00	-36.15	Horizontal
5	2054.8819	41.22	-2.67	38.55	74.00	-35.45	Horizontal
6	2356.4196	44.49	-2.86	41.63	74.00	-32.37	Horizontal

- 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. 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/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1224.7781	40.97	-6.41	34.56	74.00	-39.44	Vertical
2	1331.2914	46.37	-6.42	39.95	74.00	-34.05	Vertical
3	1661.3327	41.11	-5.10	36.01	74.00	-37.99	Vertical
4	1995.1244	40.50	-3.12	37.38	74.00	-36.62	Vertical
5	2353.9192	40.64	-2.95	37.69	74.00	-36.31	Vertical
6	2659.7075	44.30	-1.82	42.48	74.00	-31.52	Vertical

- 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. 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.