



Test Mode	Channel	Verdict
11B	MCH	PASS

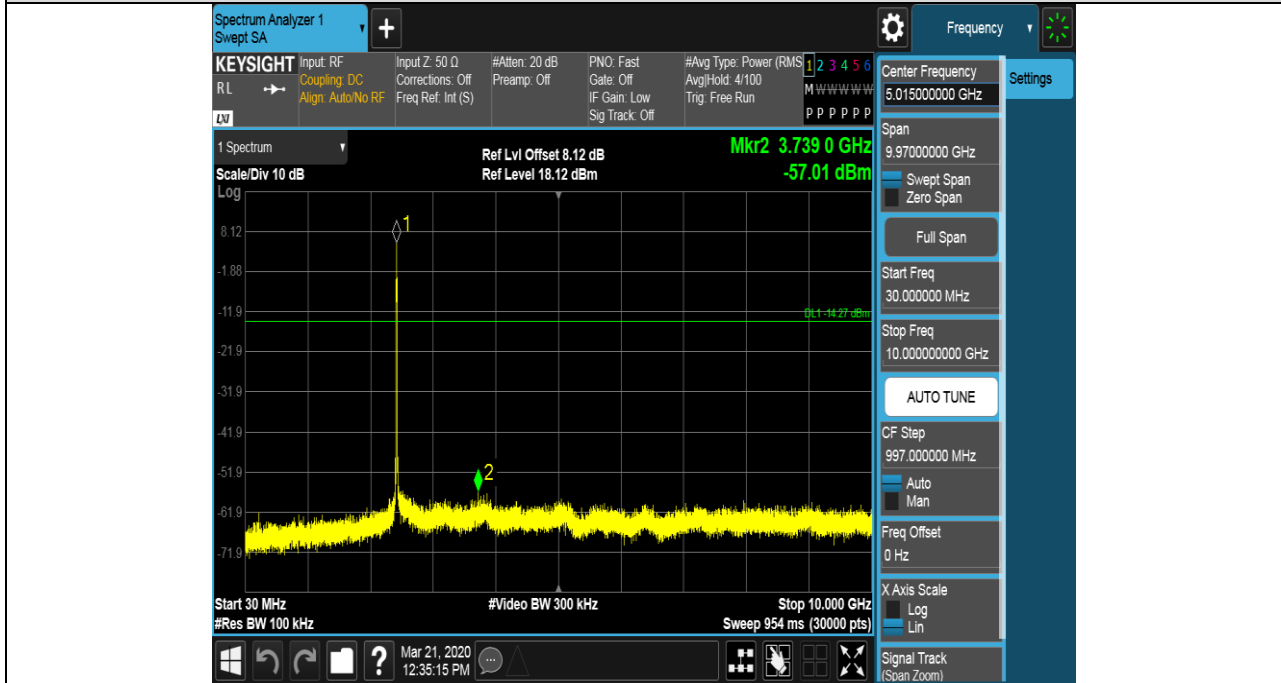
Pref test Plot



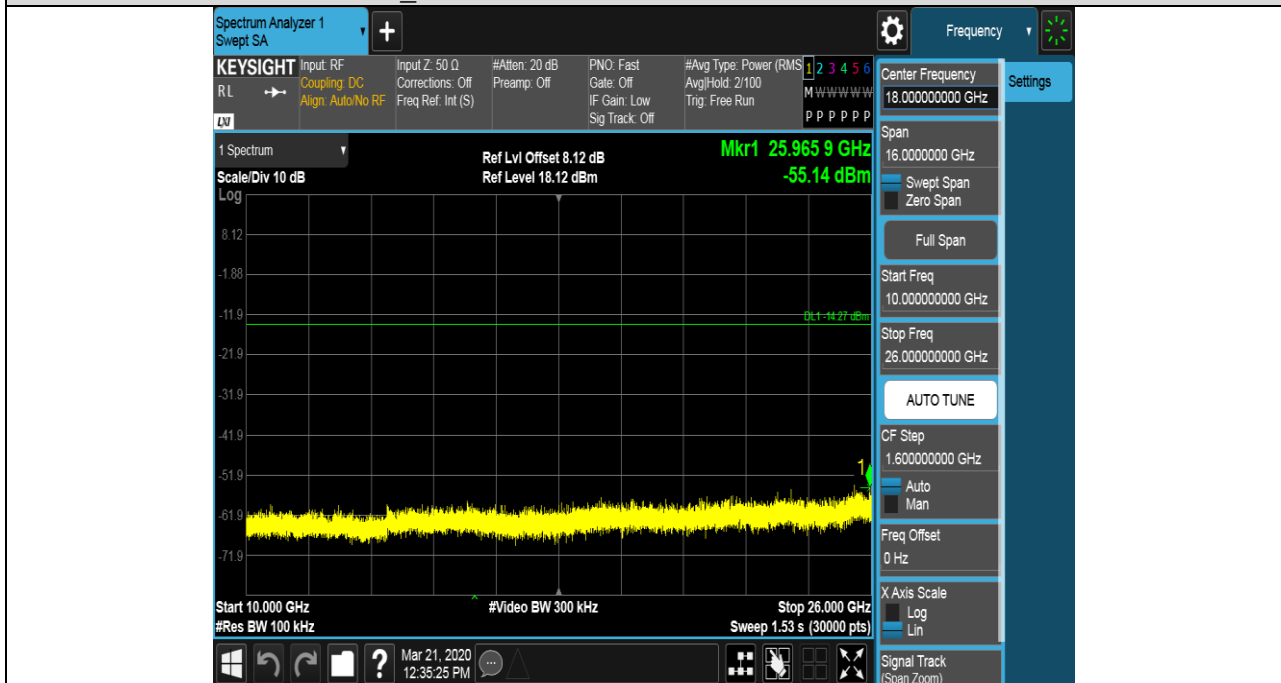


Puw test Plot

MCH SPURIOUS EMISSION_30MHz~10GHz



MCH SPURIOUS EMISSION_10GHz~26GHz





Test Mode	Channel	Verdict
11B	HCH	PASS

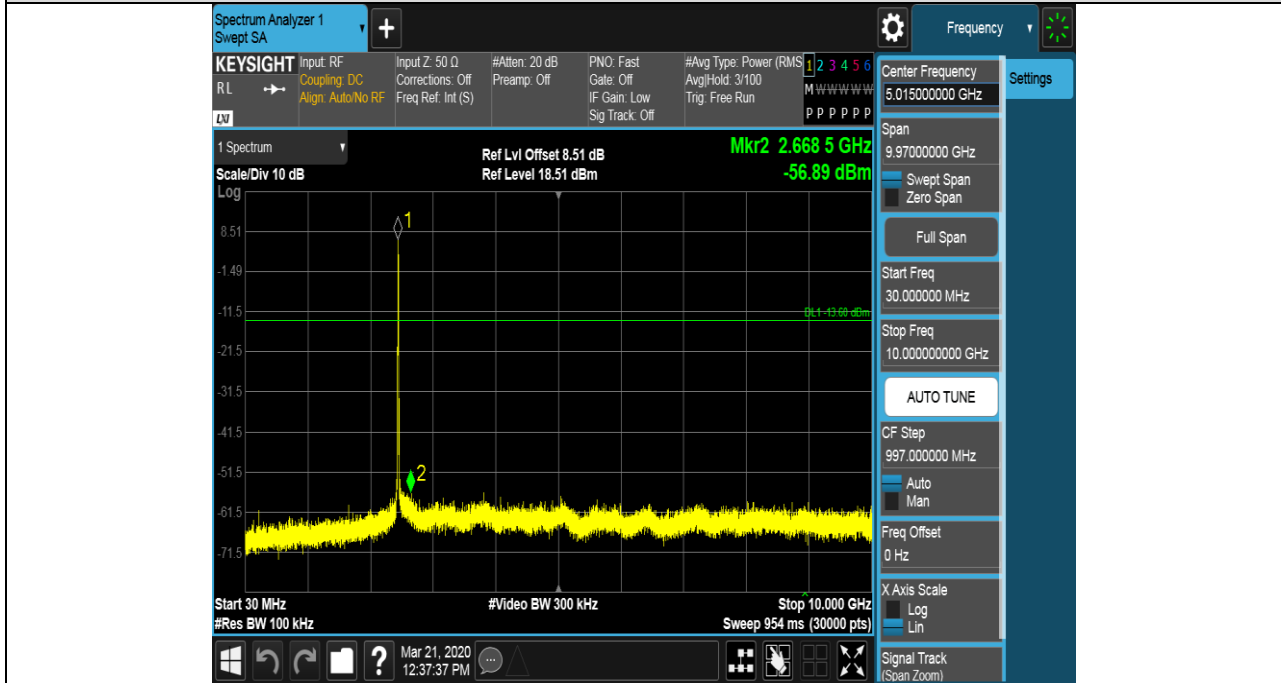
Pref test Plot



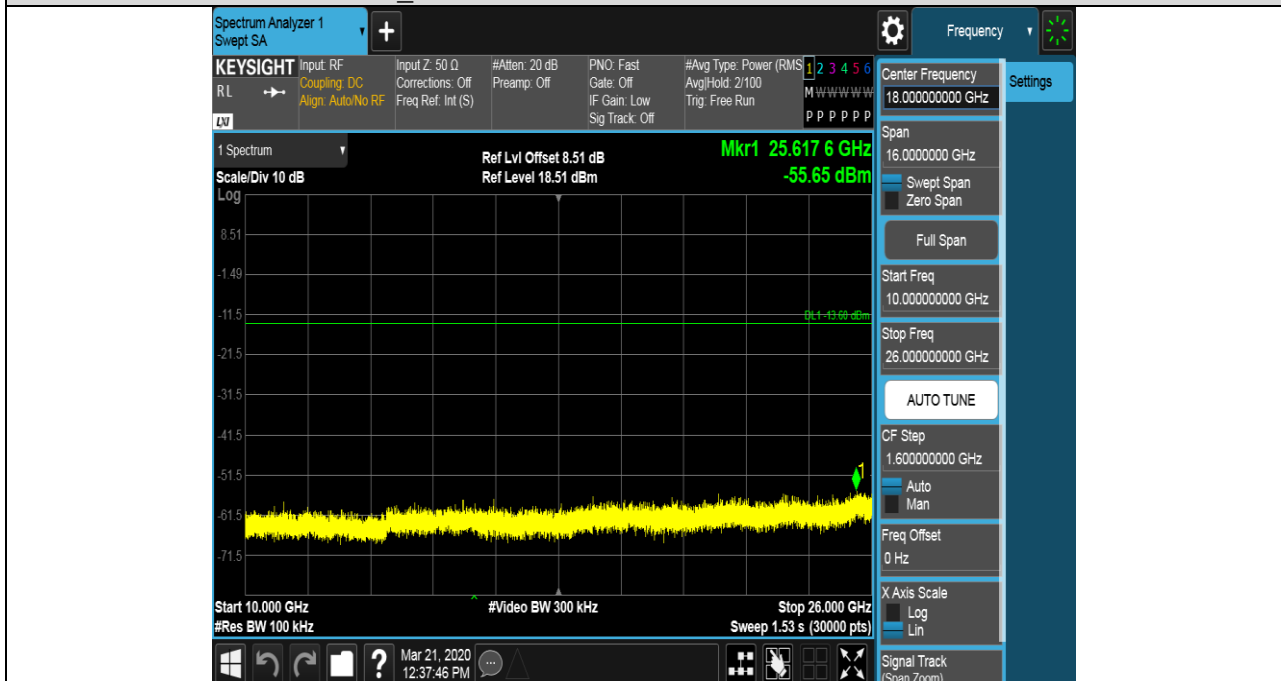


Puw test Plot

HCH SPURIOUS EMISSION_30MHz~10GHz



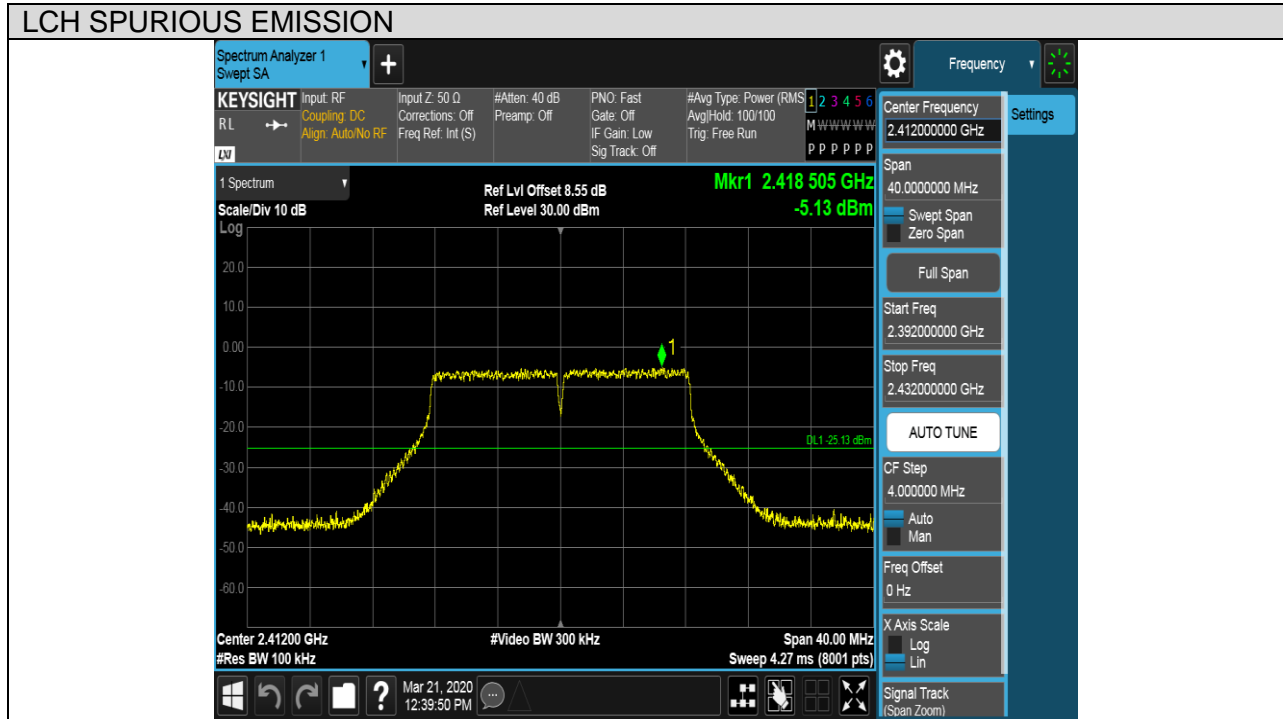
HCH SPURIOUS EMISSION_10GHz~26GHz





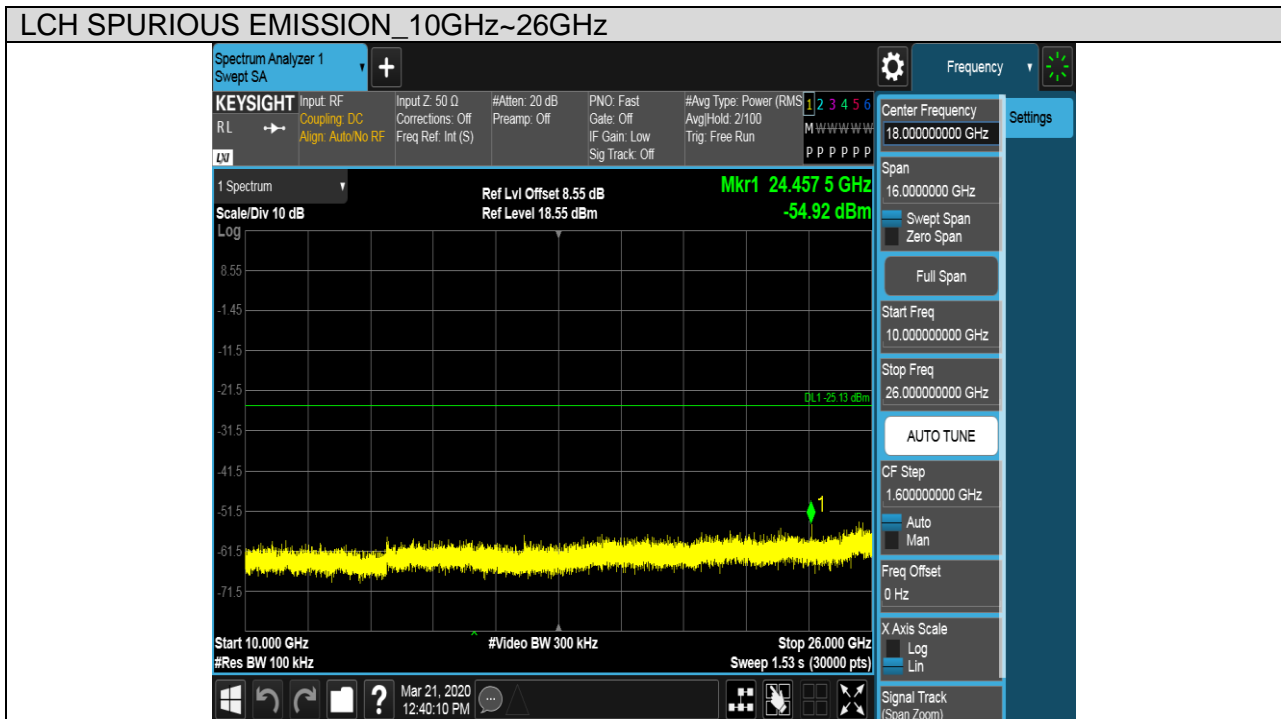
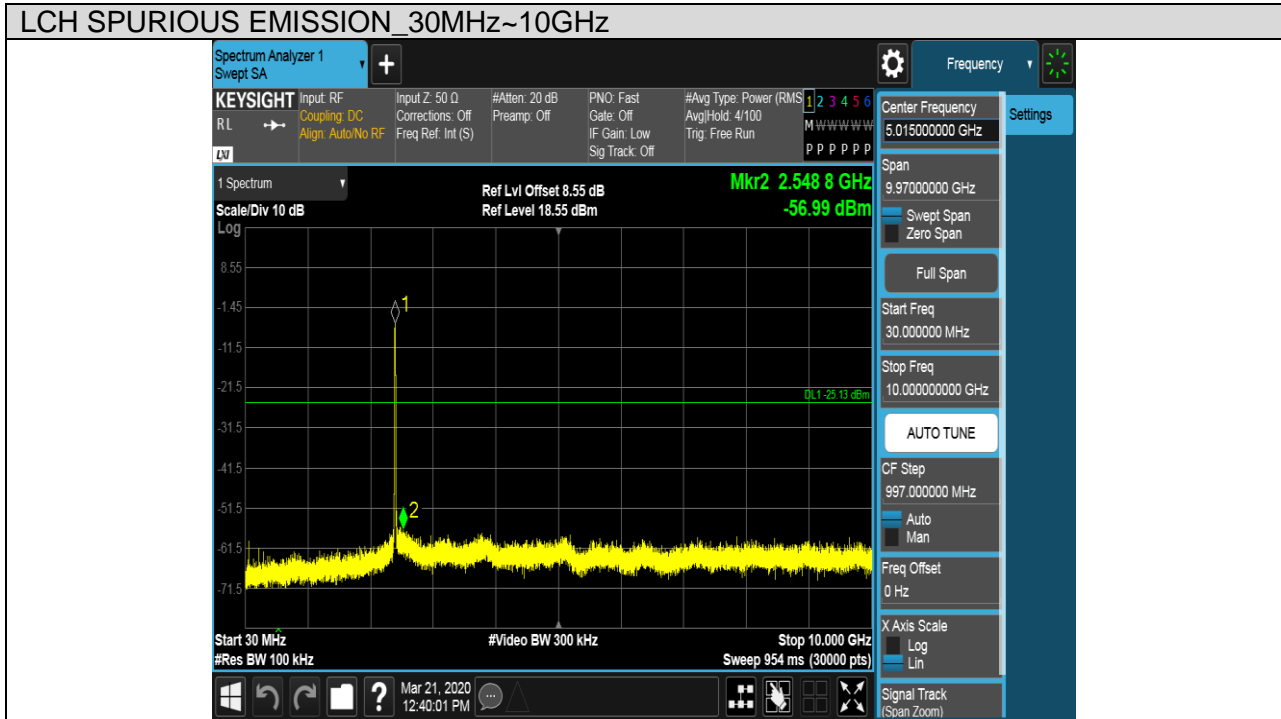
Test Mode	Channel	Verdict
11G	LCH	PASS

Pref test Plot





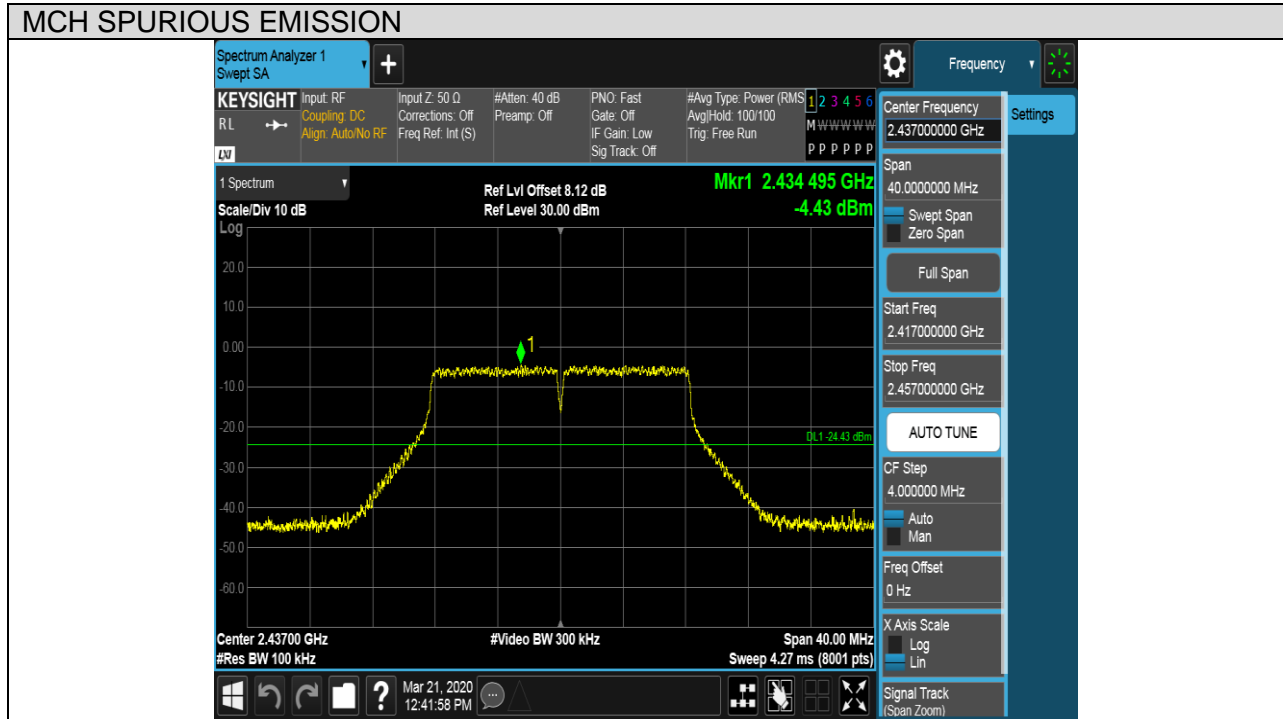
Puw test Plot





Test Mode	Channel	Verdict
11G	MCH	PASS

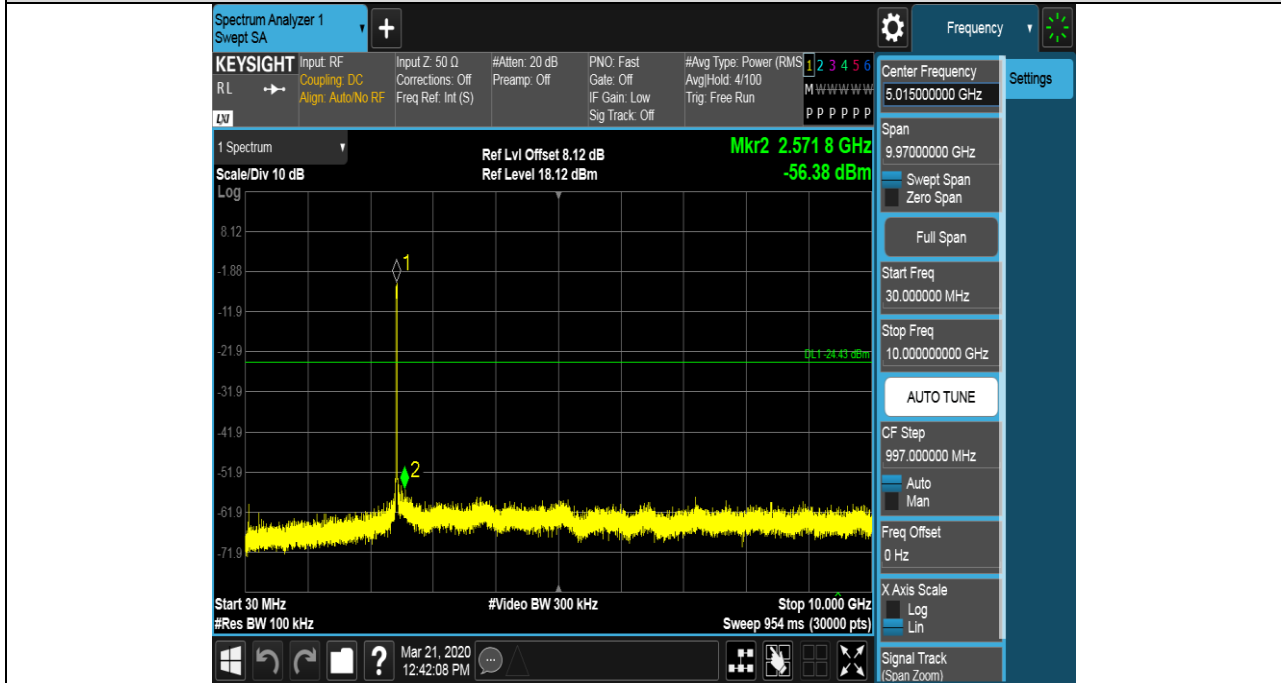
Pref test Plot



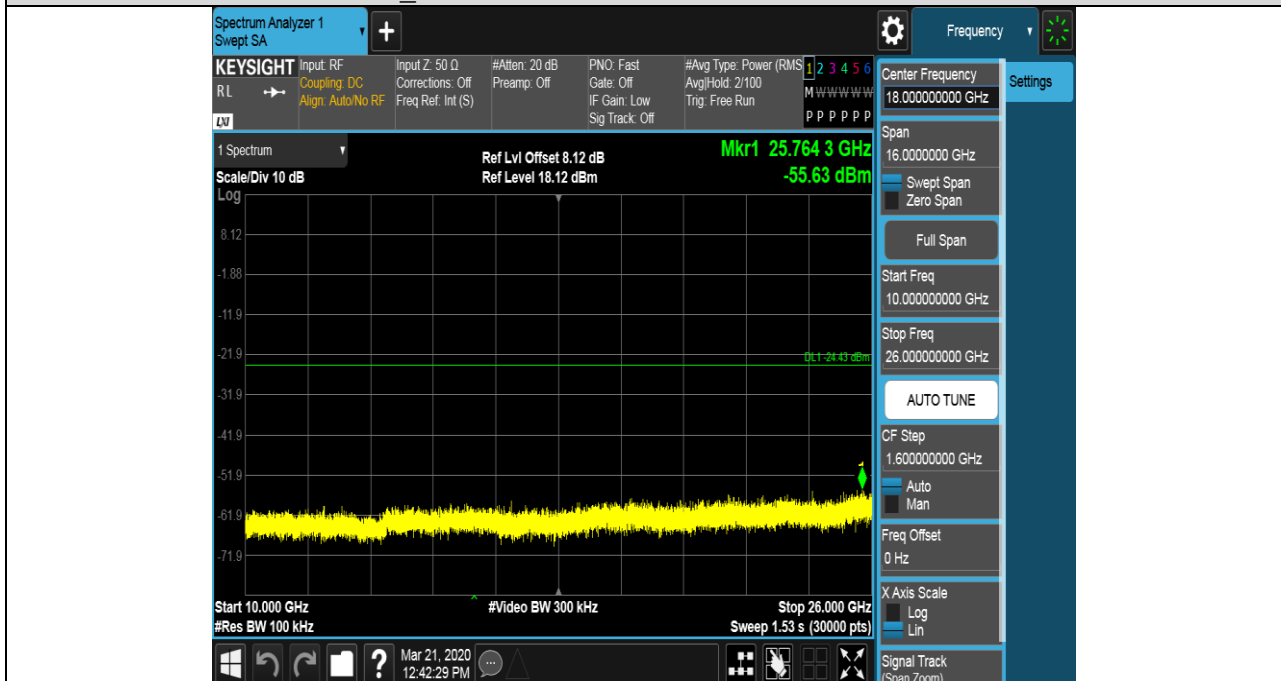


Puw test Plot

MCH SPURIOUS EMISSION_30MHz~10GHz



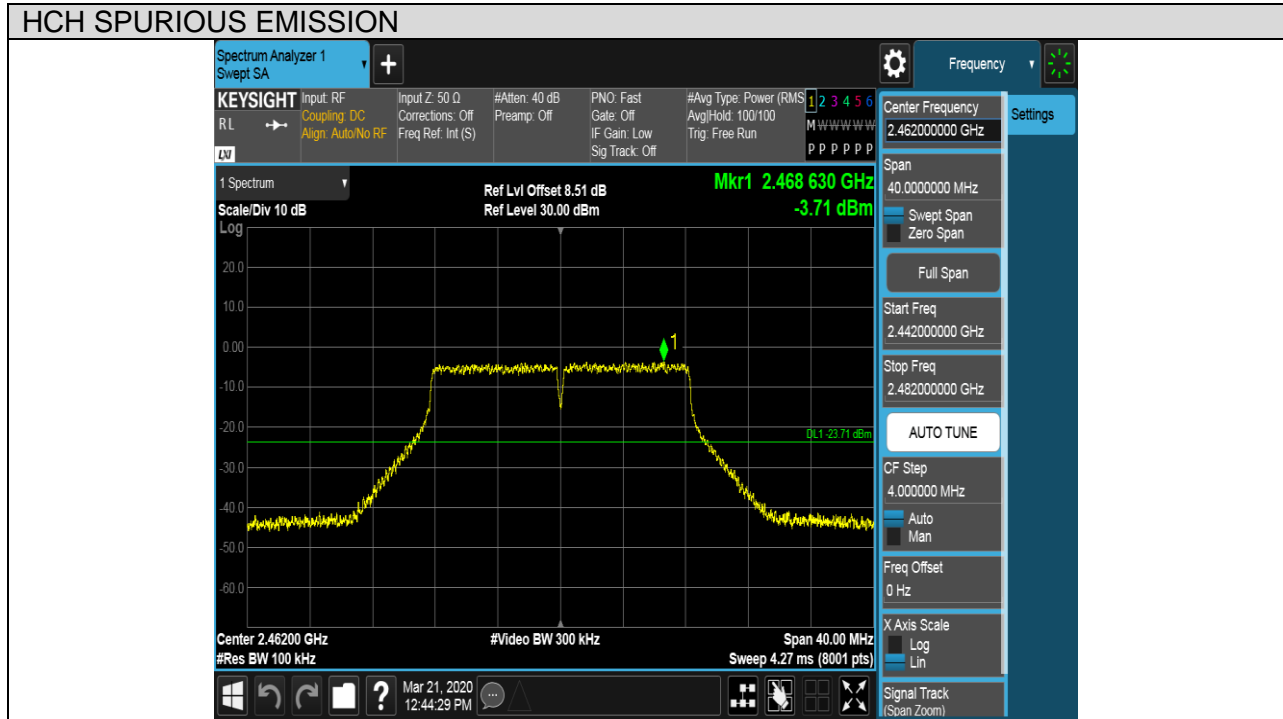
MCH SPURIOUS EMISSION_10GHz~26GHz





Test Mode	Channel	Verdict
11G	HCH	PASS

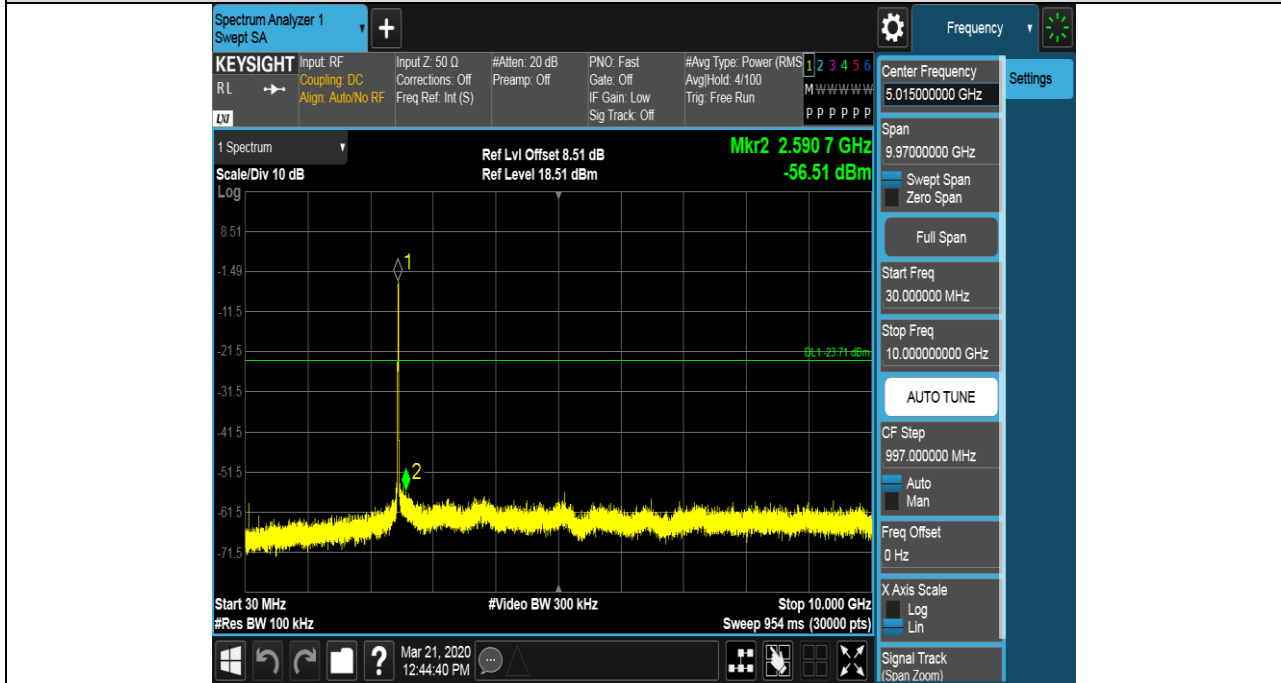
Pref test Plot



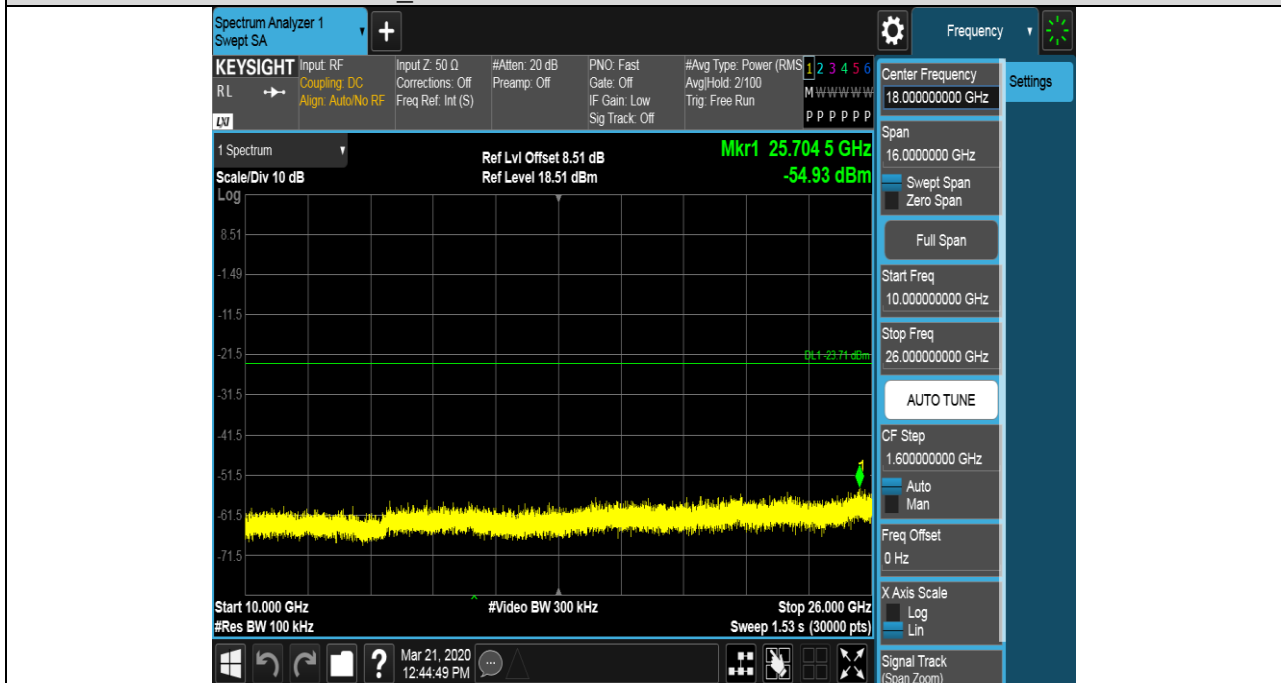


Puw test Plot

HCH SPURIOUS EMISSION_30MHz~10GHz



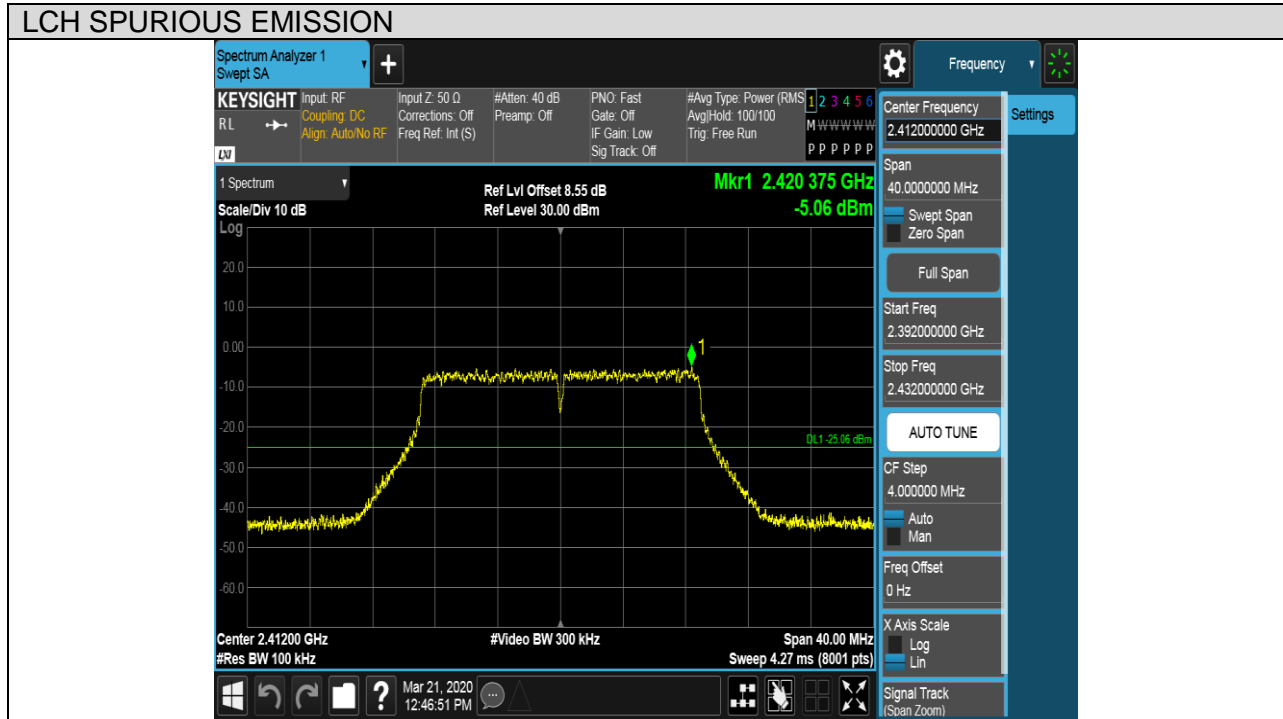
HCH SPURIOUS EMISSION_10GHz~26GHz





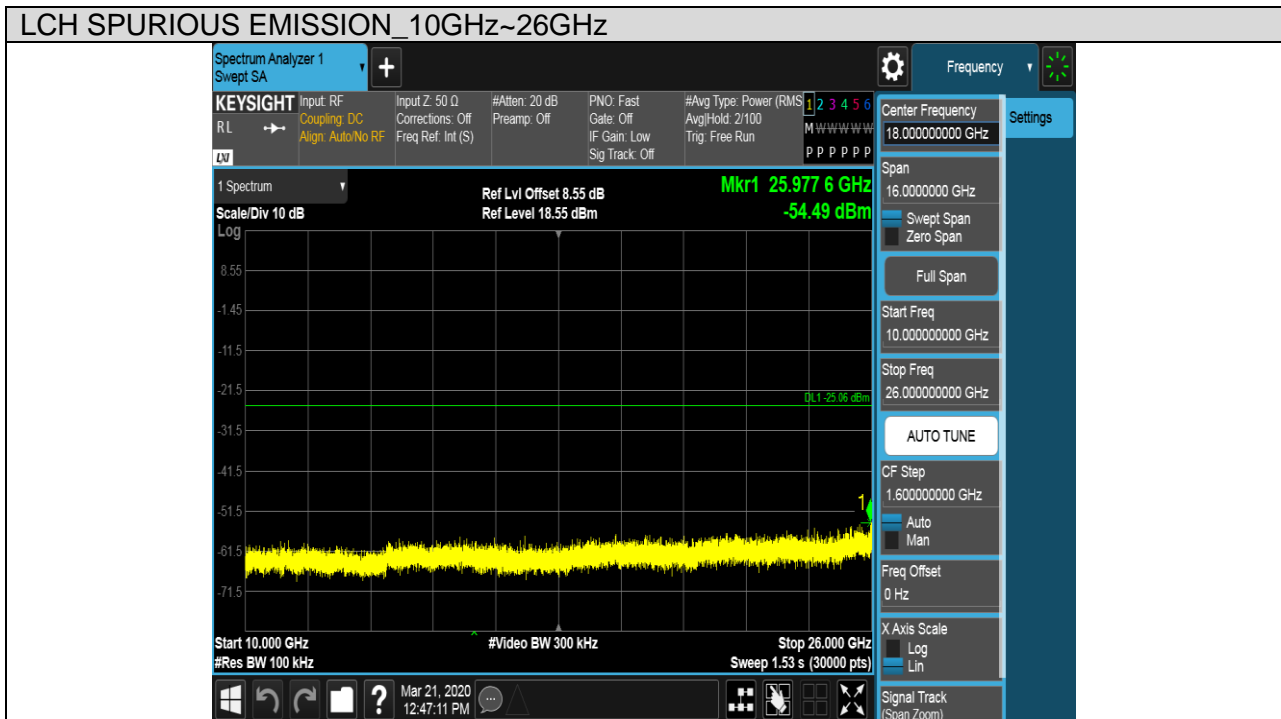
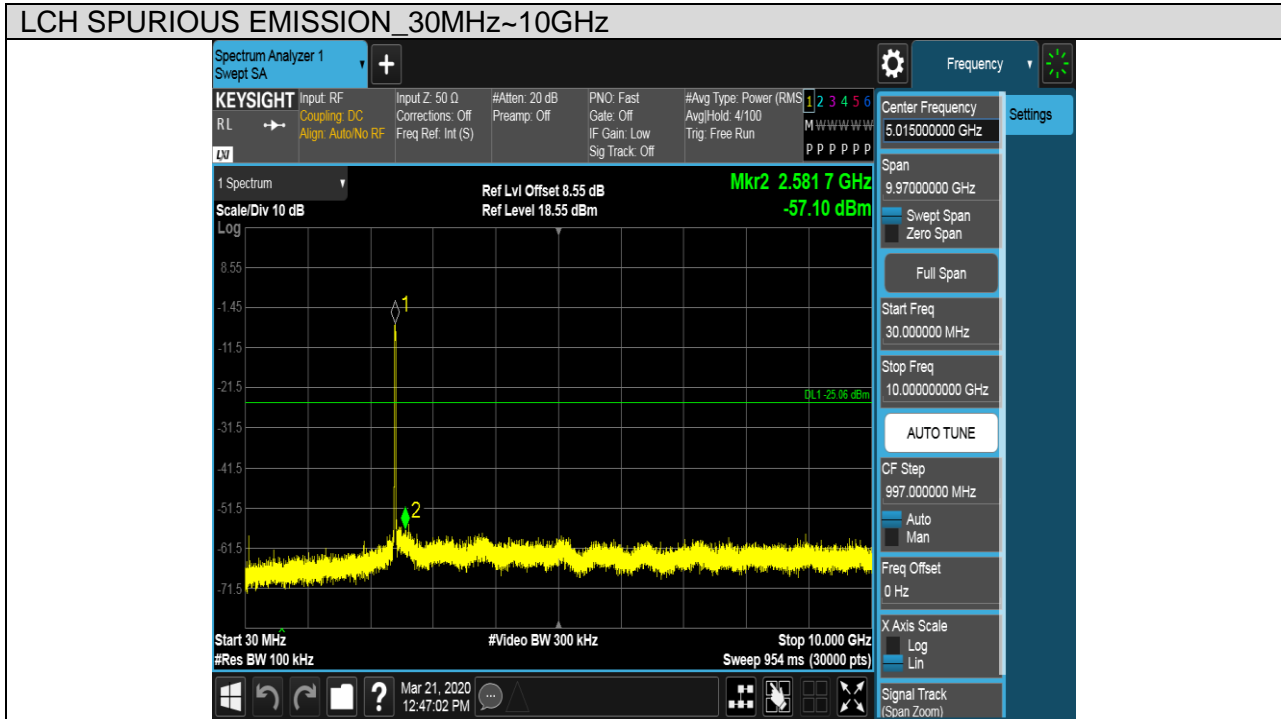
Test Mode	Channel	Verdict
11n HT20	LCH	PASS

Pref test Plot





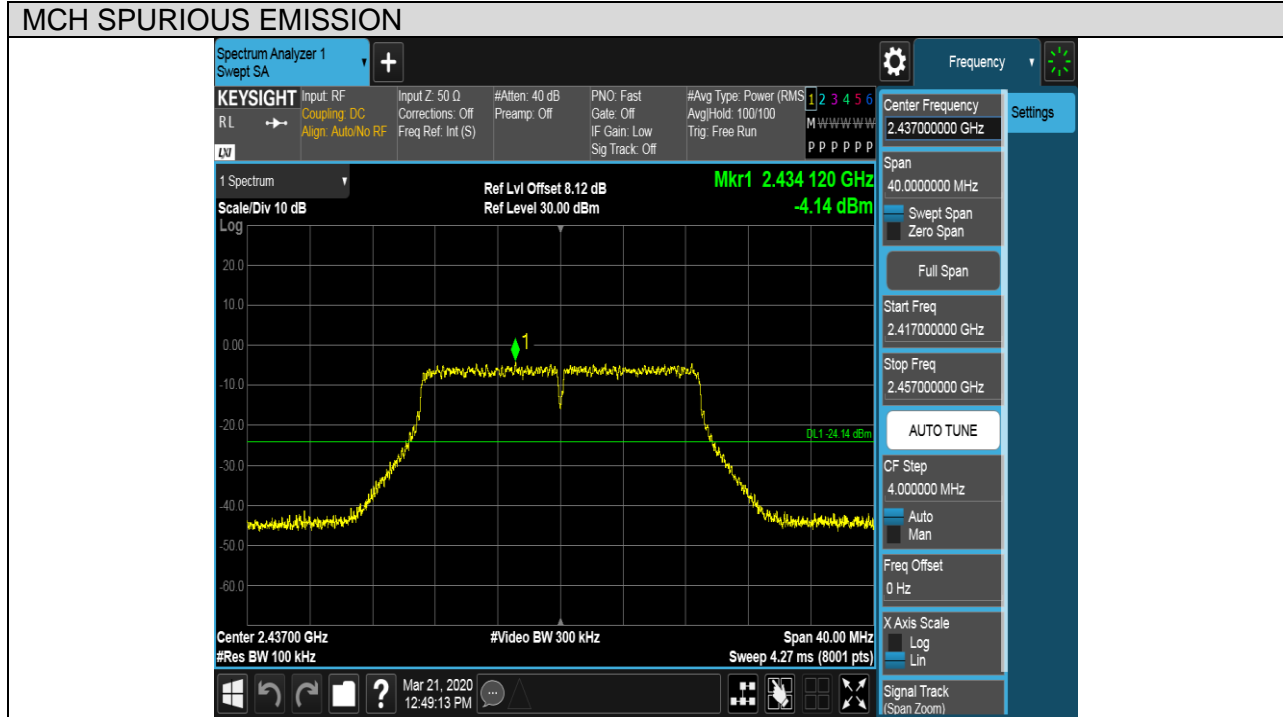
Puw test Plot





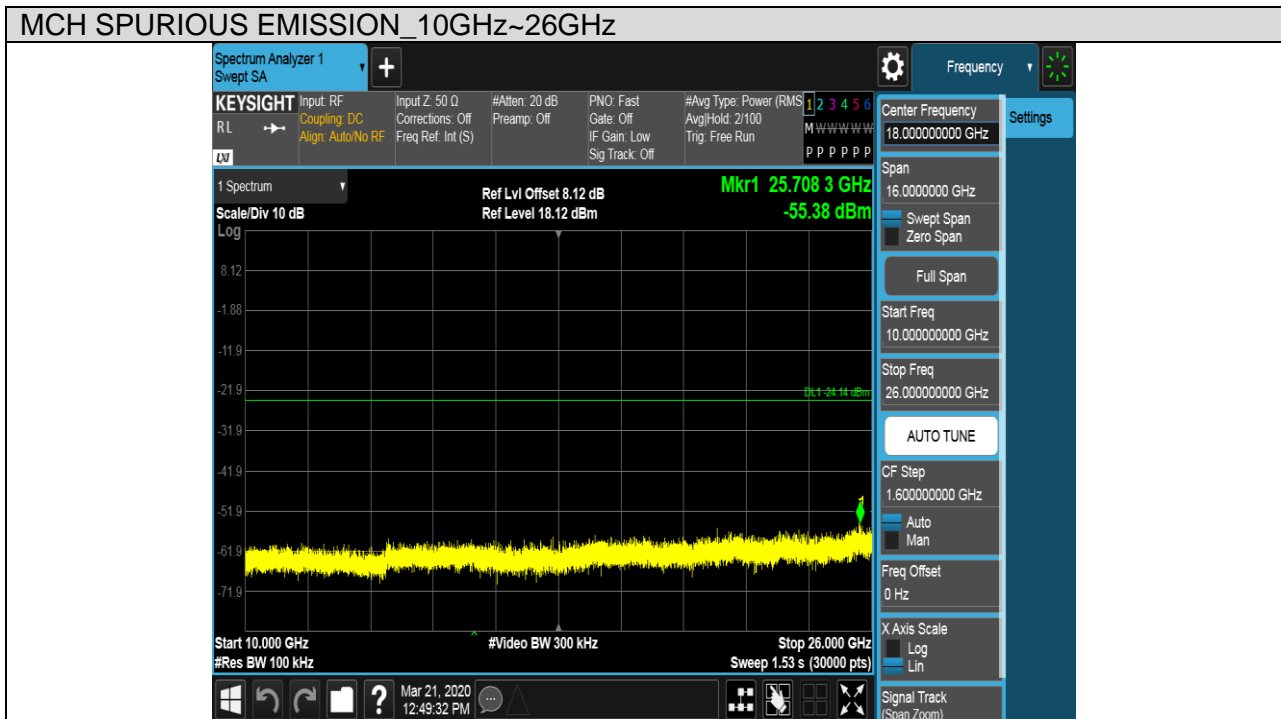
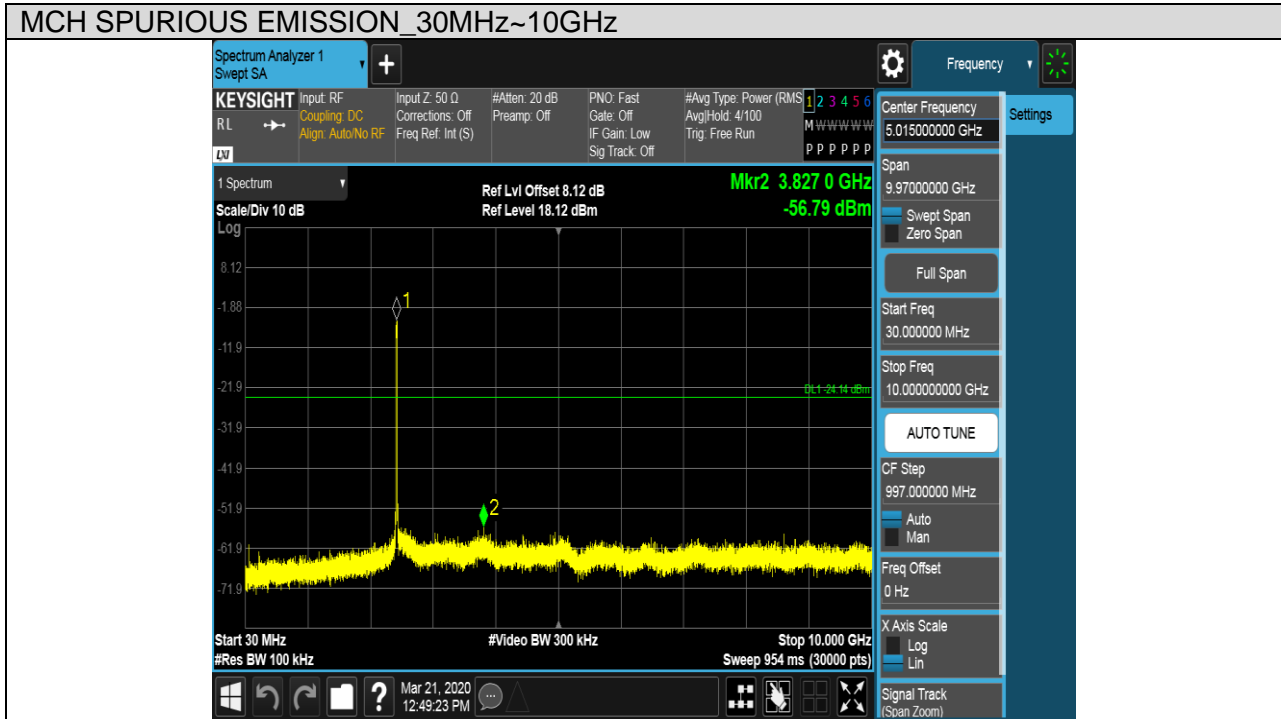
Test Mode	Channel	Verdict
11n HT20	MCH	PASS

Pref test Plot





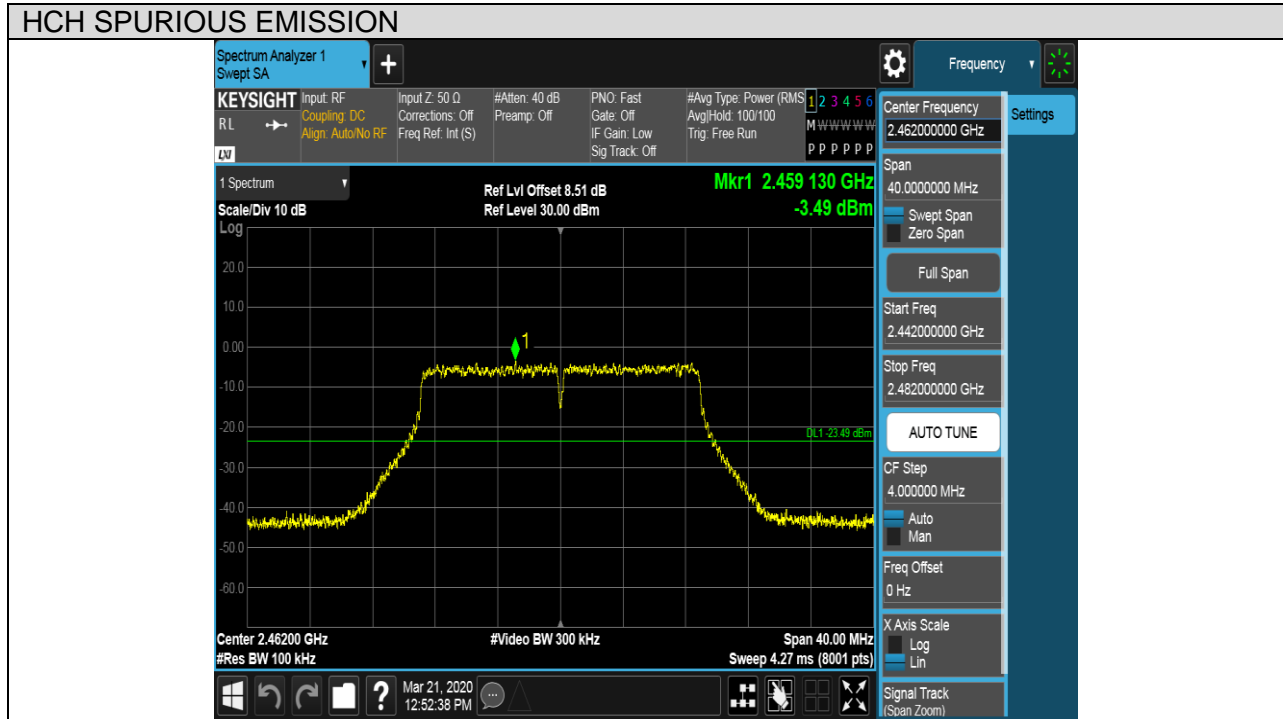
Puw test Plot





Test Mode	Channel	Verdict
11n HT20	HCH	PASS

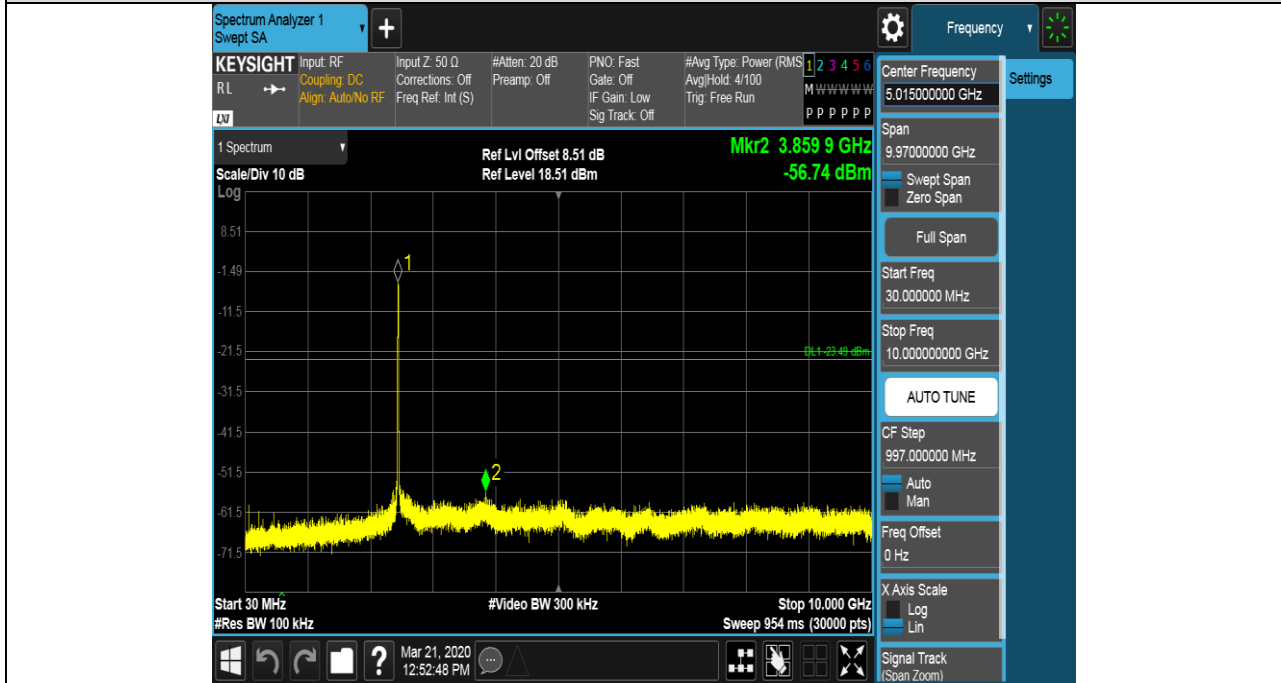
Pref test Plot



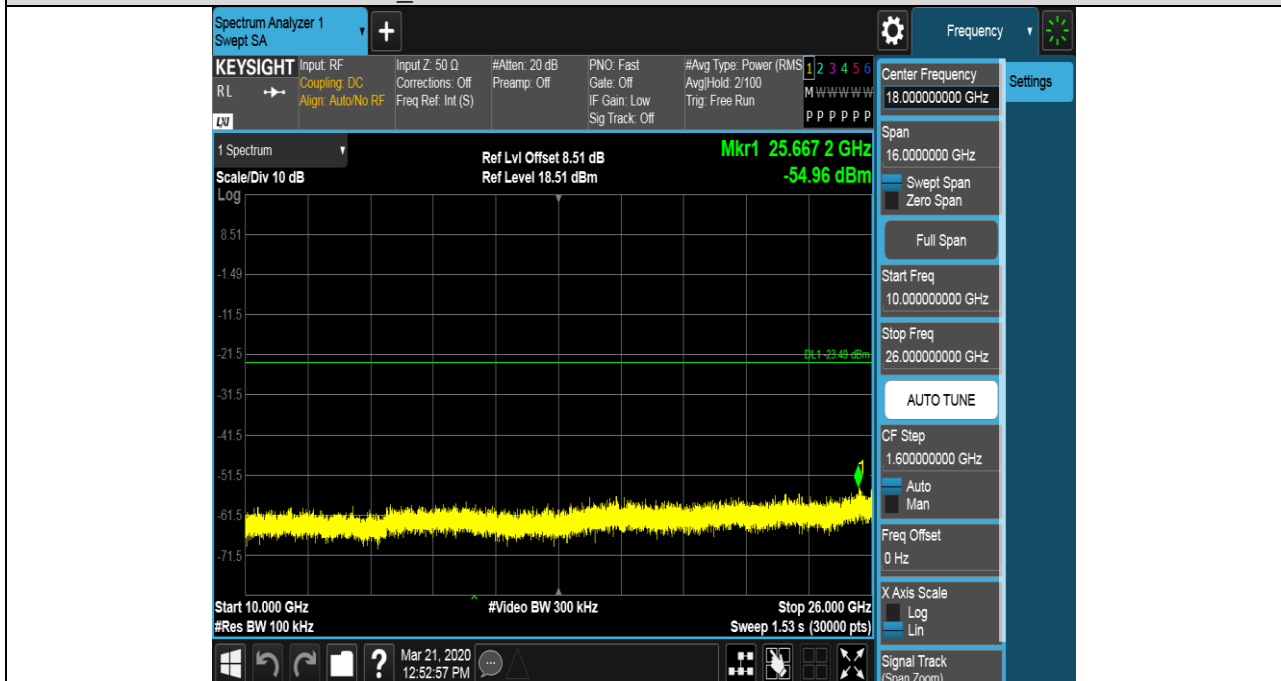


Puw test Plot

HCH SPURIOUS EMISSION_30MHz~10GHz



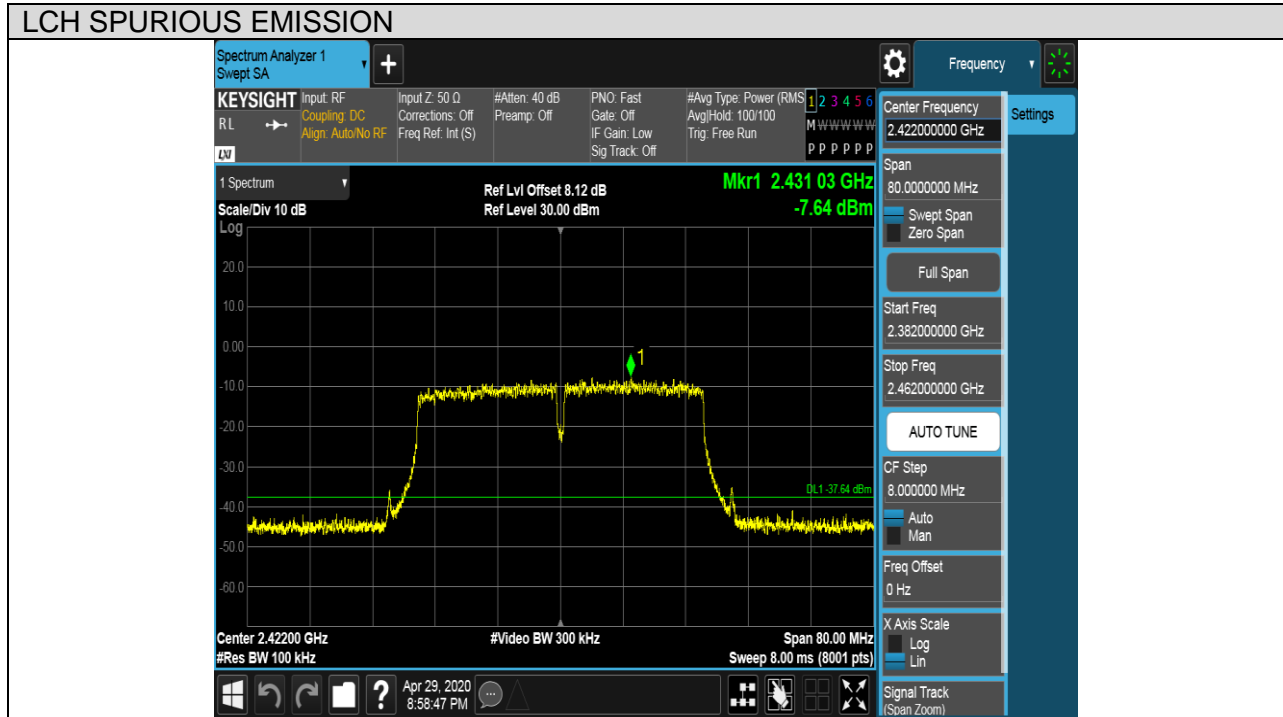
HCH SPURIOUS EMISSION_10GHz~26GHz





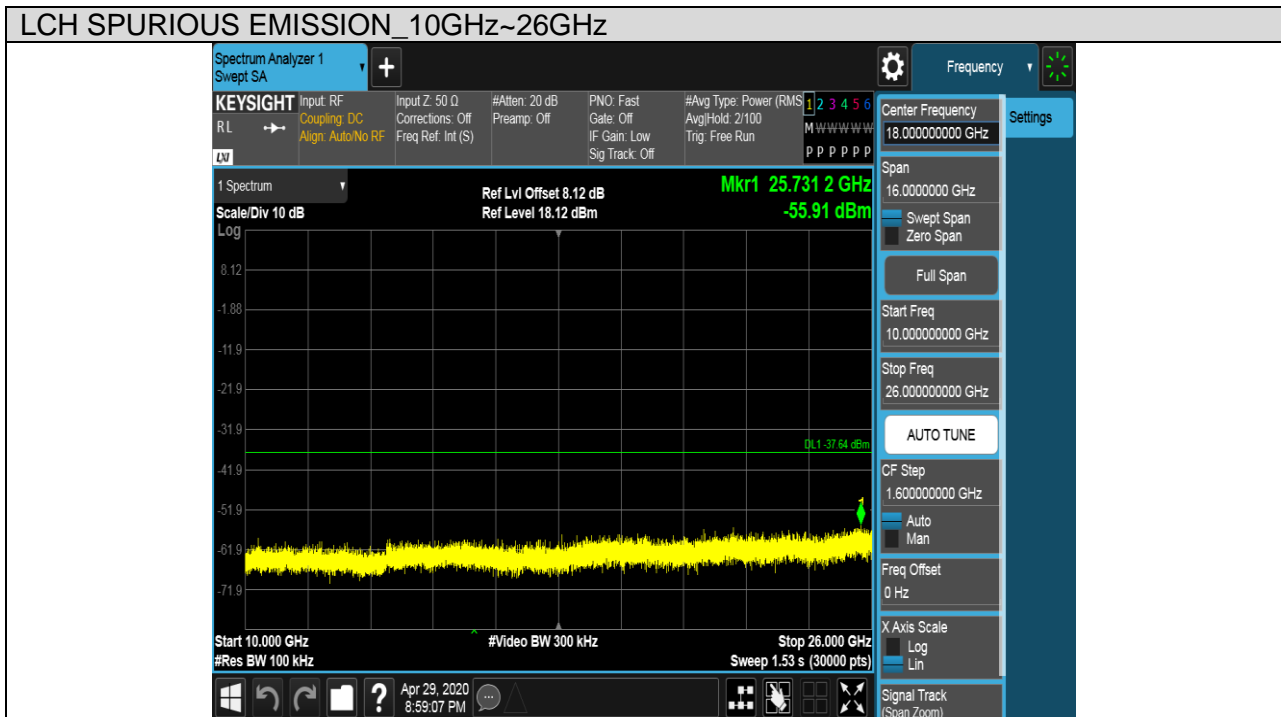
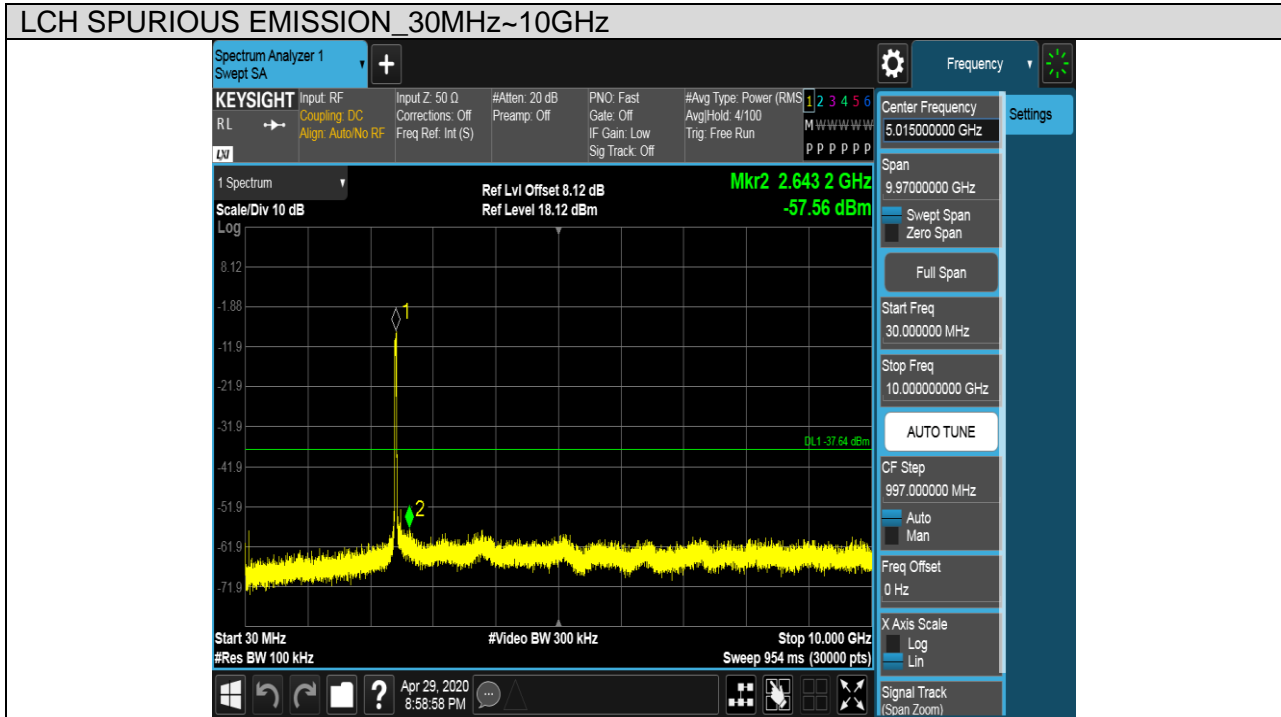
Test Mode	Channel	Verdict
11n HT40	LCH	PASS

Pref test Plot





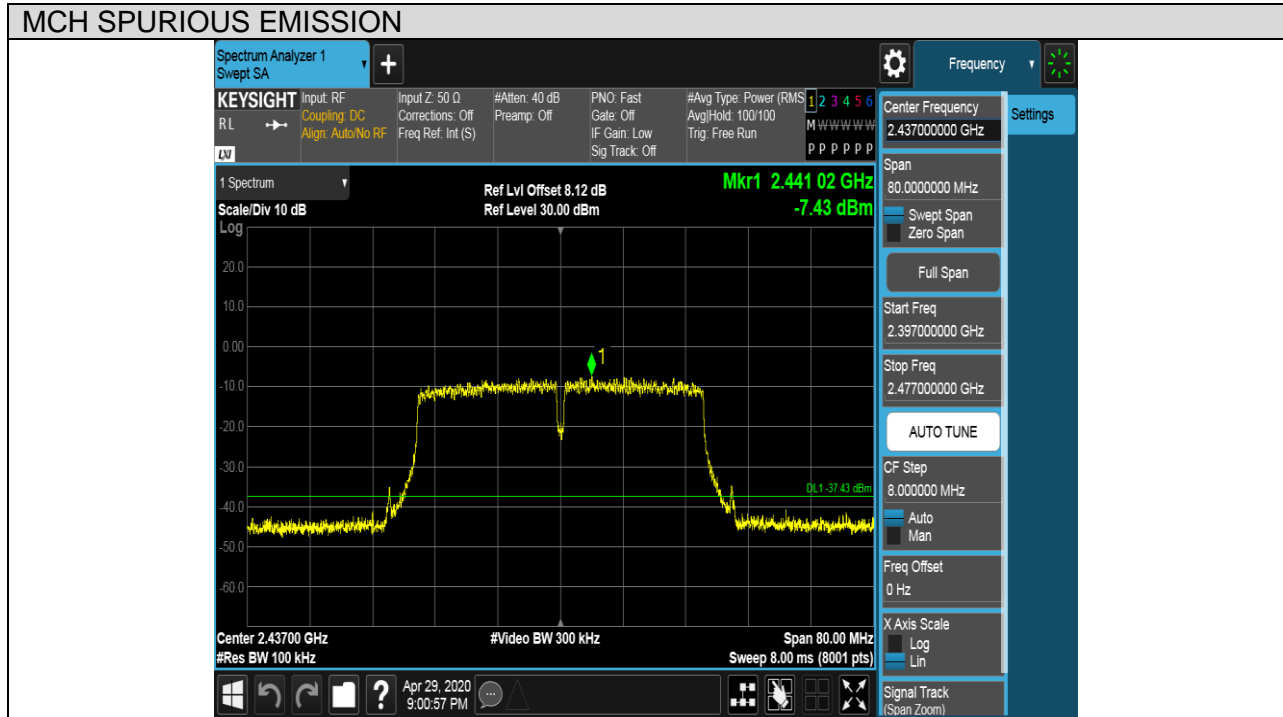
Puw test Plot





Test Mode	Channel	Verdict
11n HT40	MCH	PASS

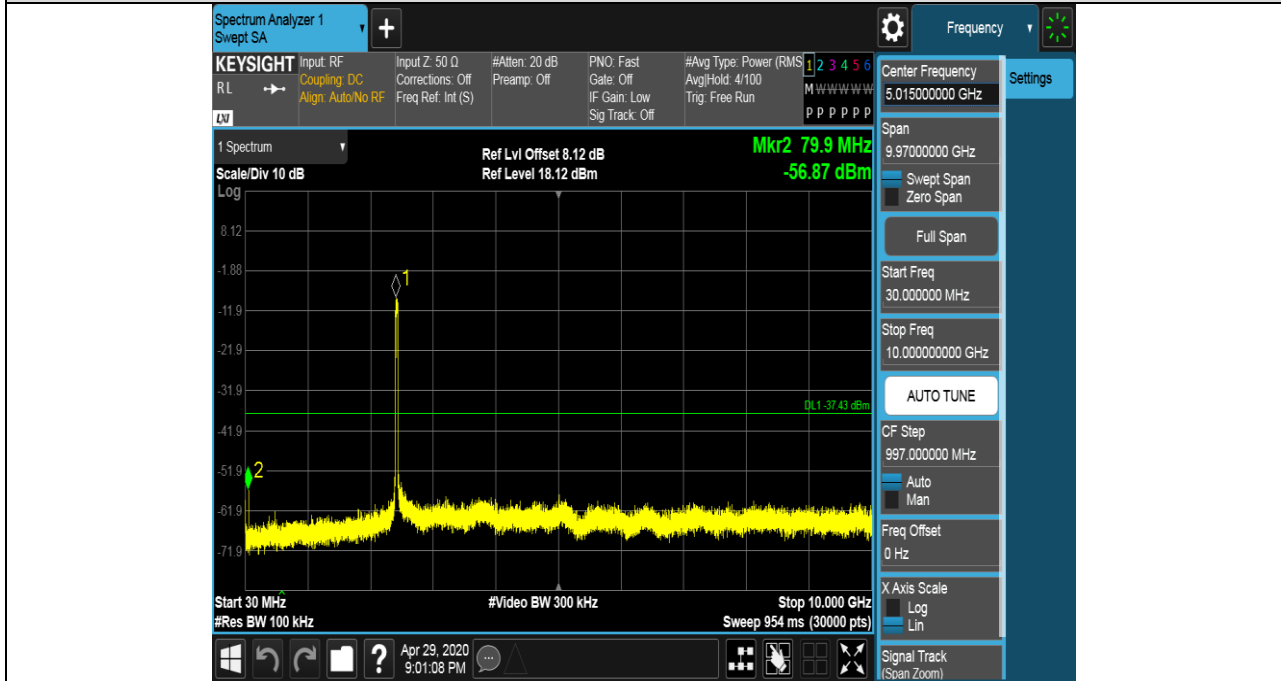
Pref test Plot



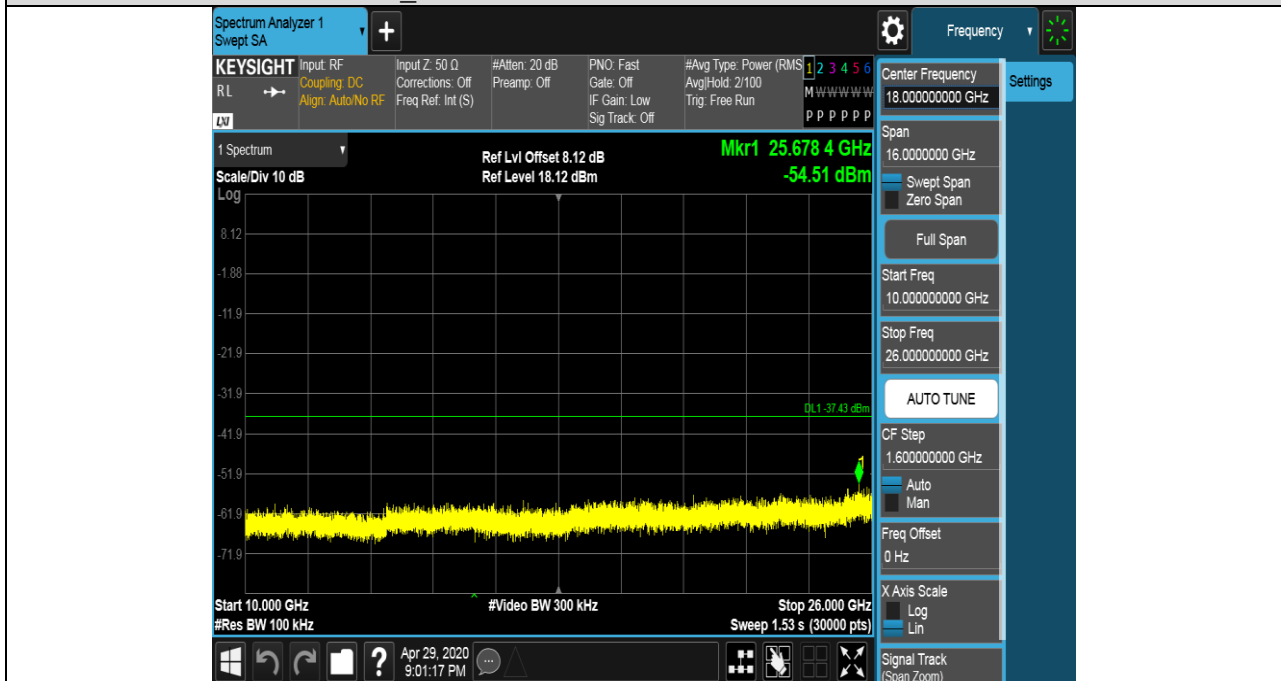


Puw test Plot

MCH SPURIOUS EMISSION_30MHz~10GHz



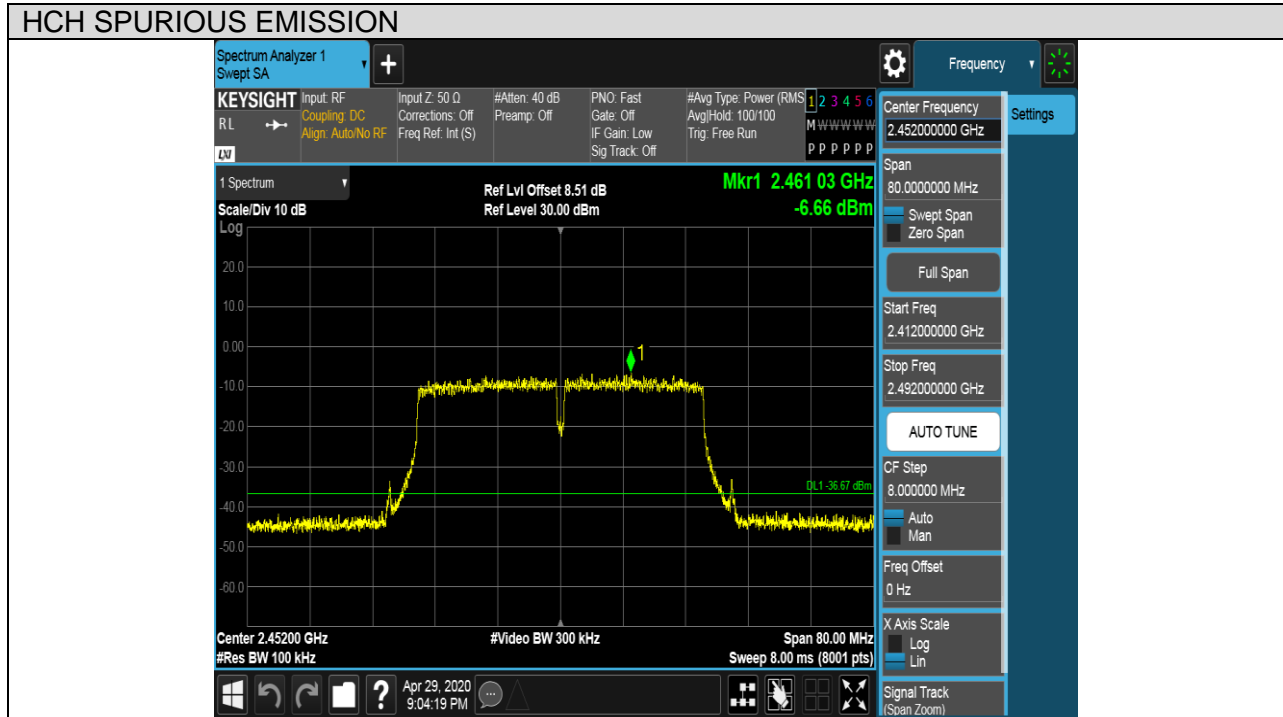
MCH SPURIOUS EMISSION_10GHz~26GHz





Test Mode	Channel	Verdict
11n HT40	HCH	PASS

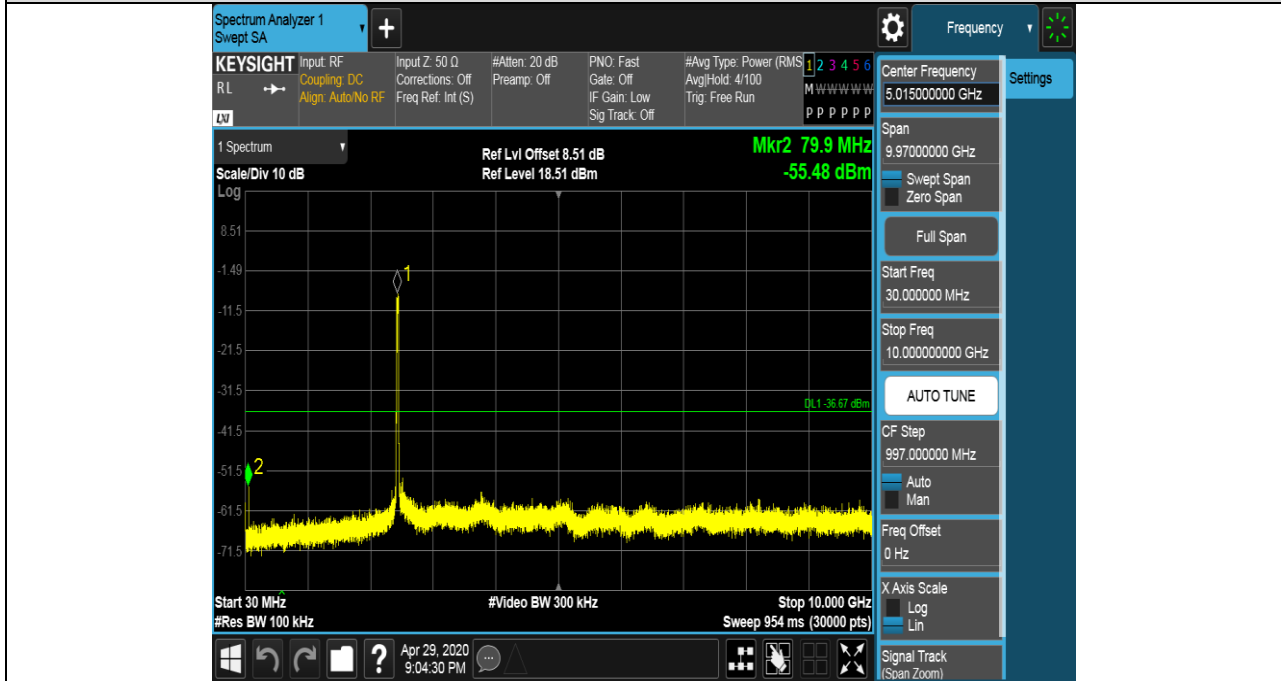
Pref test Plot



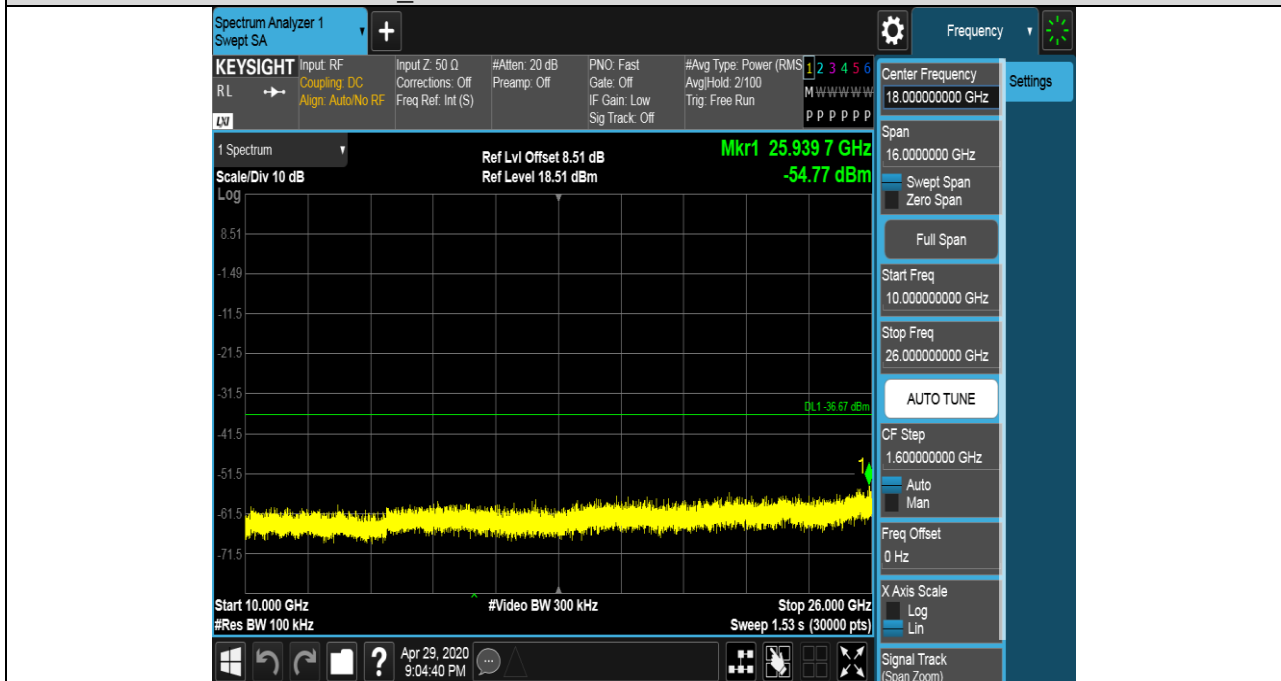


Puw test Plot

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 and §15.209

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

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

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

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



Radiation Disturbance Test Limit for FCC (Above 1G)

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

Restricted bands of operation

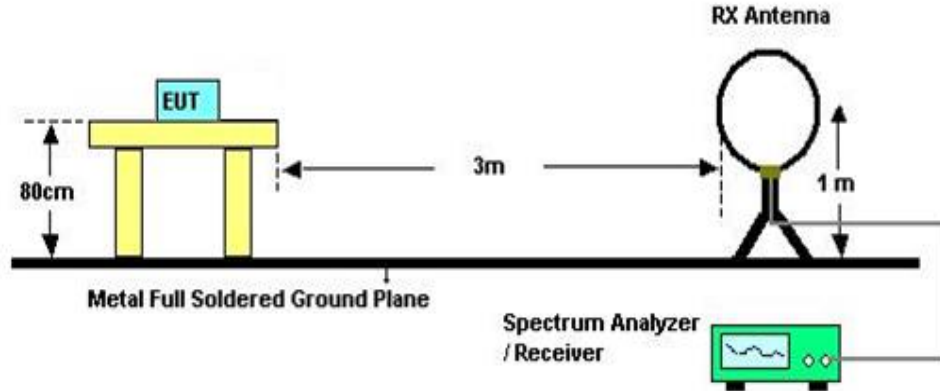
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218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

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

²Above 38.6c

TEST SETUP AND PROCEDURE

Below 30MHz

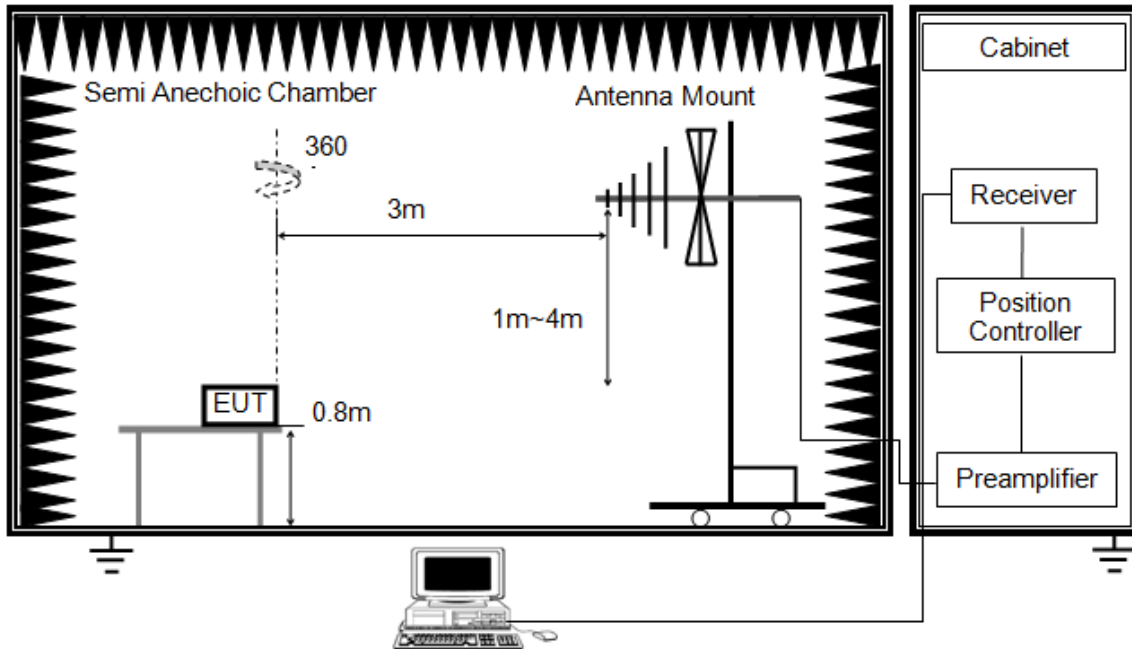


The setting of the spectrum analyser

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

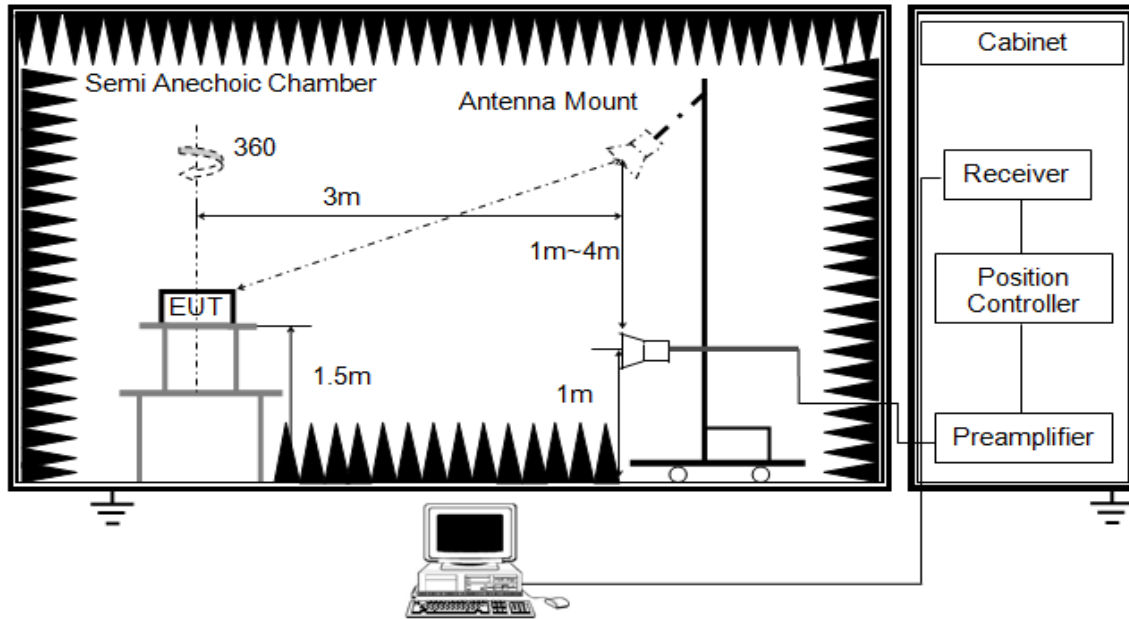


The setting of the spectrum analyser

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

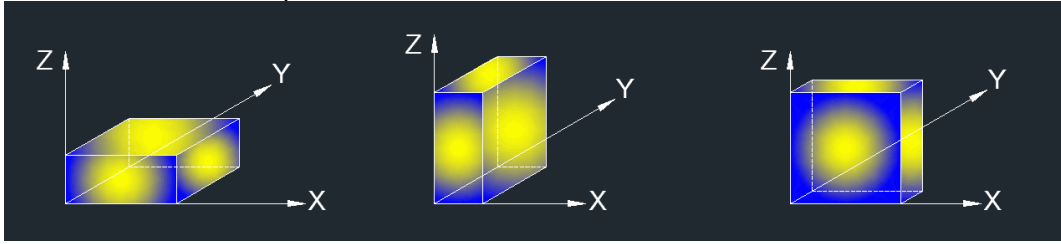


The setting of the spectrum analyser

RBW	1M
VBW	PEAK:3M AVG: See note6
Sweep	Auto
Detector	Peak/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 (X axis) data recorded in the report.

7.6.2. TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 24V

7.6.3. RESTRICTED BANDEDGE

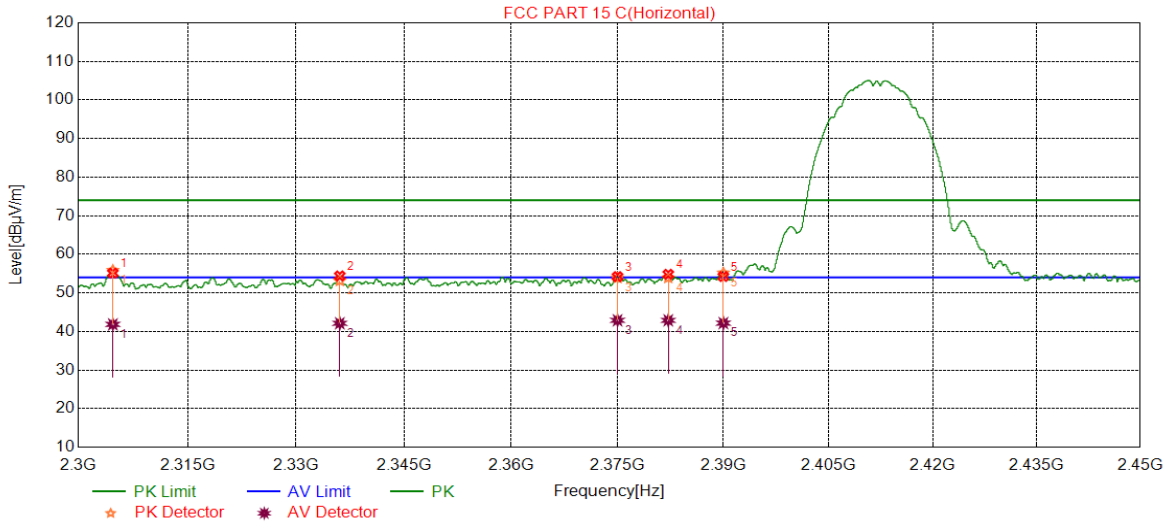
Test Result Table

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

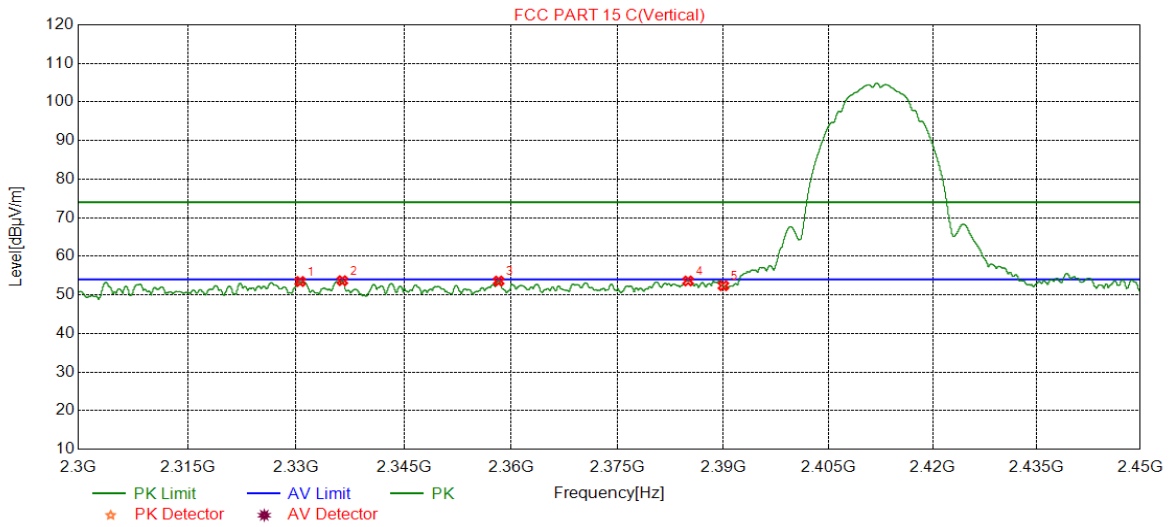


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2304.7256	42.91	12.92	55.83	74.00	-18.17	peak
		28.91	12.92	41.83	54.00	-12.17	average
2	2336.0608	39.88	13.23	53.11	74.00	-20.89	peak
		28.88	13.23	42.11	54.00	-11.89	average
3	2374.9906	40.31	13.58	53.89	74.00	-20.11	peak
		29.31	13.58	42.89	54.00	-11.11	average
4	2382.1728	40.18	13.70	53.88	74.00	-20.12	peak
		29.18	13.70	42.88	54.00	-11.12	average
5	2390.0000	41.41	13.75	55.16	74.00	-18.84	peak
		28.41	13.75	42.16	54.00	-11.84	average

- 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.
 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

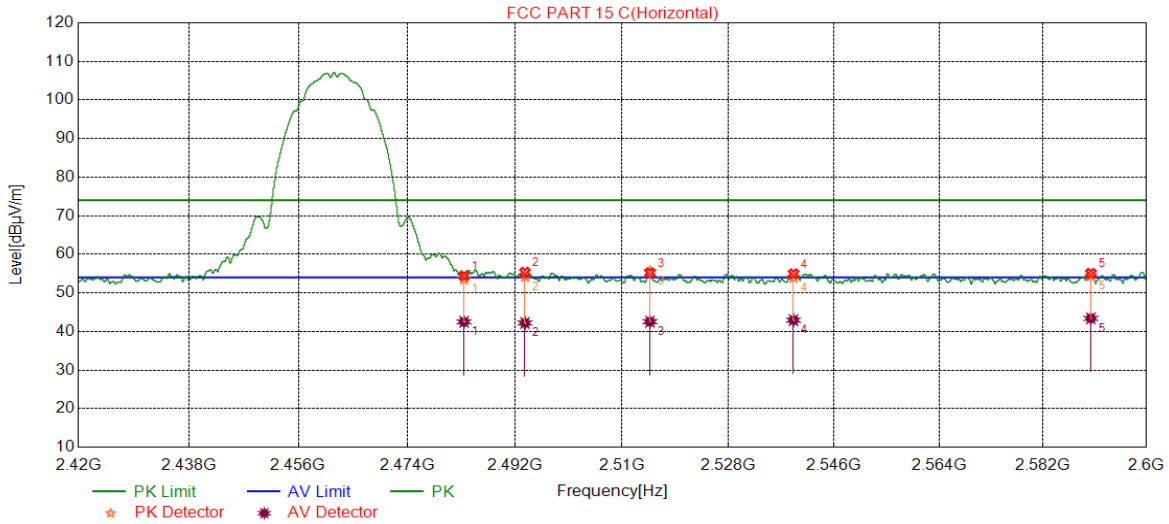


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2330.5663	40.31	13.15	53.46	74.00	-20.54	peak
2	2336.4171	40.44	13.23	53.67	74.00	-20.33	peak
3	2358.2448	40.13	13.44	53.57	74.00	-20.43	peak
4	2384.9856	39.86	13.74	53.60	74.00	-20.40	peak
5	2390.0000	38.61	13.75	52.36	74.00	-21.64	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.
 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

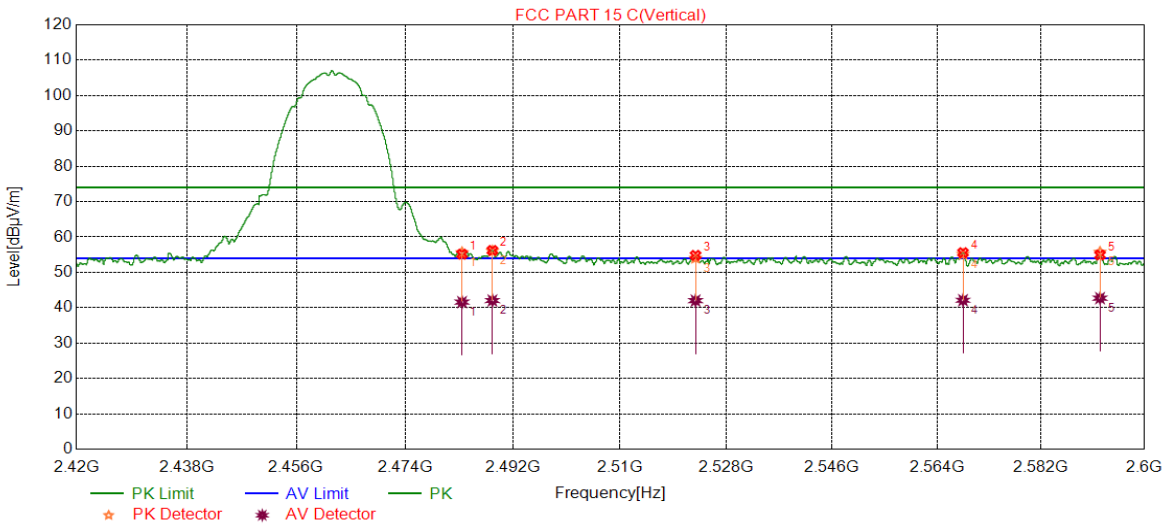


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	39.98	13.51	53.49	74.00	-20.51	peak
		28.98	13.51	42.49	54.00	-11.51	average
2	2493.6814	40.59	13.60	54.19	74.00	-19.81	peak
		28.59	13.60	42.19	54.00	-11.81	average
3	2514.7075	41.77	13.76	55.53	74.00	-18.47	peak
		28.77	13.76	42.53	54.00	-11.47	average
4	2539.0639	40.04	13.88	53.92	74.00	-20.08	peak
		29.04	13.88	42.92	54.00	-11.08	average
5	2590.2790	40.36	14.03	54.39	74.00	-19.61	peak
		29.36	14.03	43.39	54.00	-10.61	average

- 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.
 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

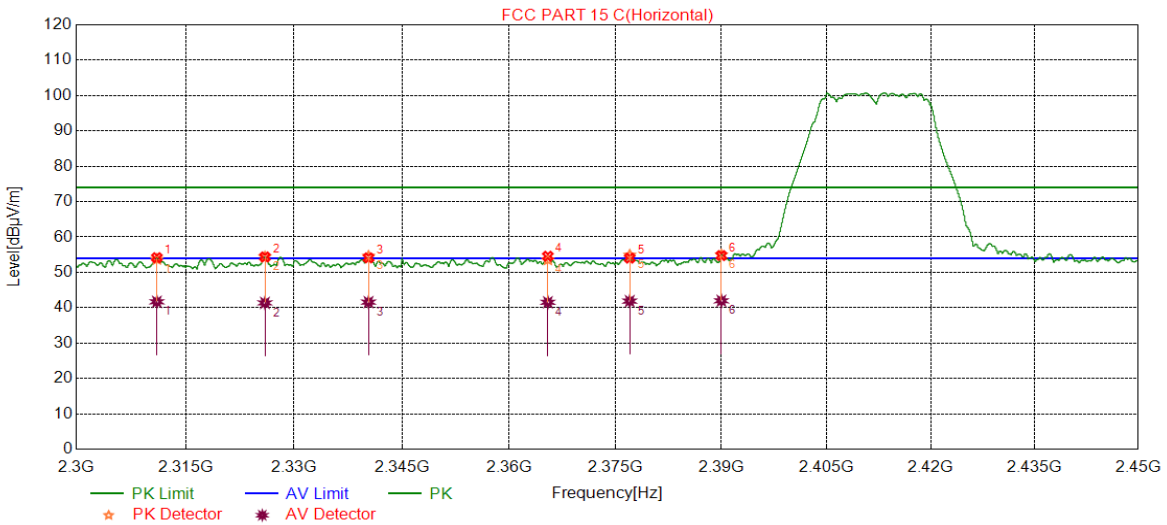


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	42.08	13.51	55.59	74.00	-18.41	peak
		28.08	13.51	41.59	54.00	-12.41	average
2	2488.5689	42.49	13.54	56.03	74.00	-17.97	peak
		28.49	13.54	42.03	54.00	-11.97	average
3	2522.7543	40.19	13.82	54.01	74.00	-19.99	peak
		28.19	13.82	42.01	54.00	-11.99	average
4	2568.4788	41.13	13.98	55.11	74.00	-18.89	peak
		28.13	13.98	42.11	54.00	-11.89	average
5	2592.2232	41.65	14.05	55.70	74.00	-18.30	peak
		28.65	14.05	42.70	54.00	-11.30	average

- 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.
 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

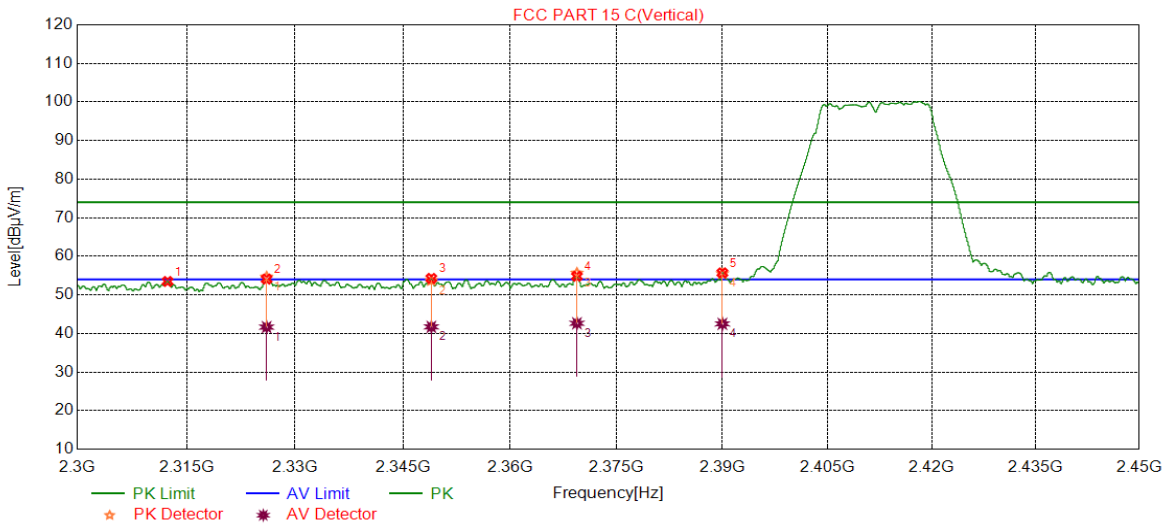


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2311.0451	40.73	12.95	53.68	74.00	-20.32	peak
		28.73	12.95	41.68	54.00	-12.32	average
2	2325.9532	41.26	13.10	54.36	74.00	-19.64	peak
		28.26	13.10	41.36	54.00	-12.64	average
3	2340.3363	41.31	13.28	54.59	74.00	-19.41	peak
		28.30	13.28	41.58	54.00	-12.42	average
4	2365.4457	40.04	13.50	53.54	74.00	-20.46	peak
		28.04	13.50	41.54	54.00	-12.46	average
5	2376.9971	41.23	13.64	54.87	74.00	-19.13	peak
		28.23	13.64	41.87	54.00	-12.13	average
6	2390.0000	41.23	13.64	54.87	74.00	-19.13	peak
		28.21	13.75	41.96	54.00	-12.04	average

- 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.
 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

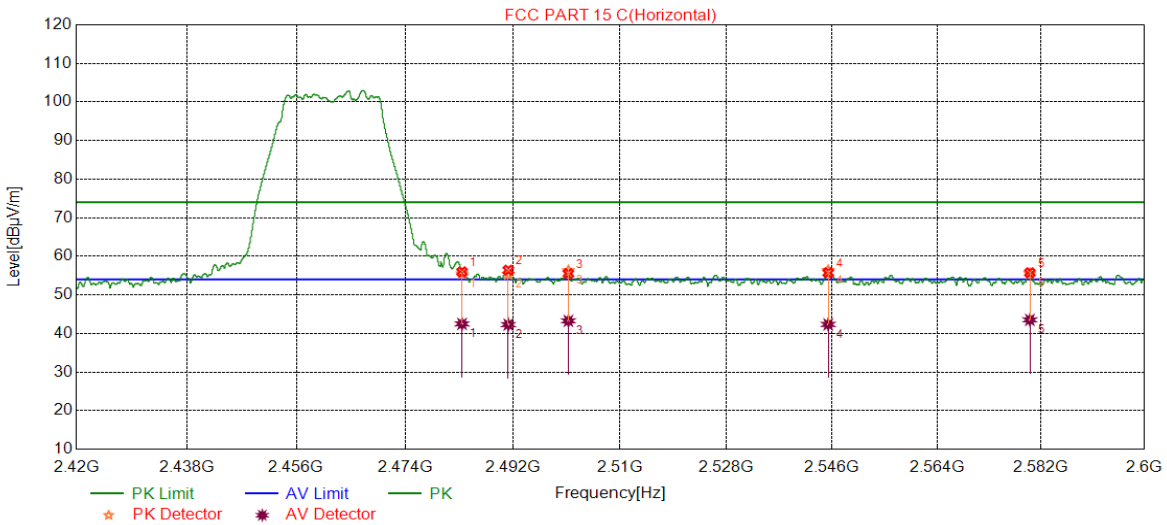


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2312.3765	40.52	12.96	53.48	74.00	-20.52	peak
2	2326.0470	41.54	13.10	54.64	74.00	-19.36	peak
		28.54	13.10	41.64	54.00	-12.36	average
3	2348.9624	40.34	13.37	53.71	74.00	-20.29	peak
		28.34	13.37	41.71	54.00	-12.29	average
4	2369.4024	42.09	13.54	55.63	74.00	-18.37	peak
		29.09	13.54	42.63	54.00	-11.37	average
5	2390.0000	41.74	13.75	55.49	74.00	-18.51	peak
		28.74	13.75	42.49	54.00	-11.51	average

- 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.
 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

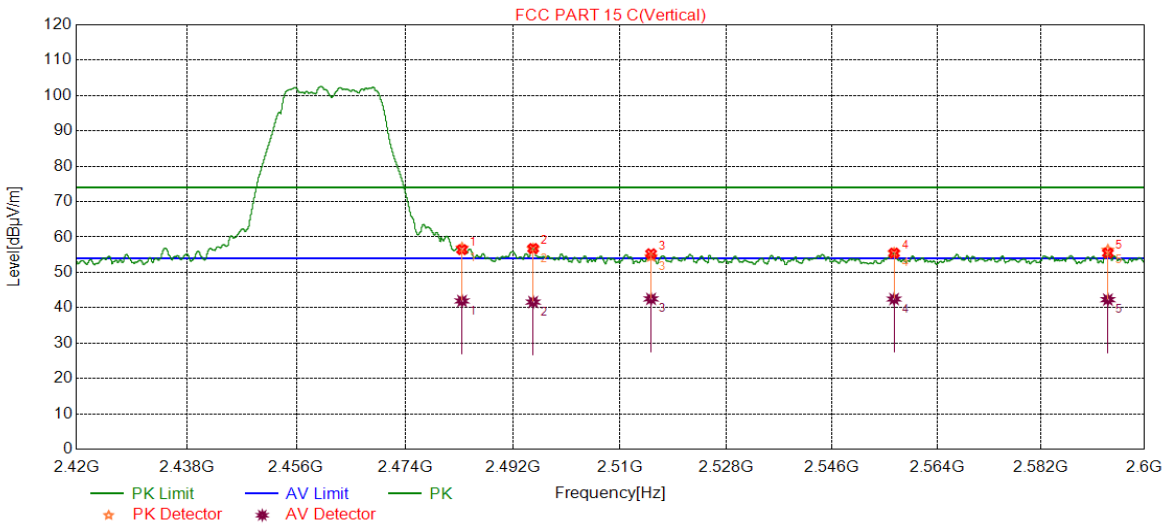


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	41.97	13.51	55.48	74.00	-18.52	peak
		28.97	13.51	42.48	54.00	-11.52	average
2	2491.2331	41.72	13.57	55.29	74.00	-18.71	peak
		28.72	13.57	42.29	54.00	-11.71	average
3	2501.2961	42.58	13.68	56.26	74.00	-17.74	peak
		29.58	13.68	43.26	54.00	-10.74	average
4	2545.3285	42.43	13.91	56.34	74.00	-17.66	peak
		28.43	13.91	42.34	54.00	-11.66	average
5	2580.0360	41.49	14.02	55.51	74.00	-18.49	peak
		29.49	14.02	43.51	54.00	-10.49	average

- 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.
 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

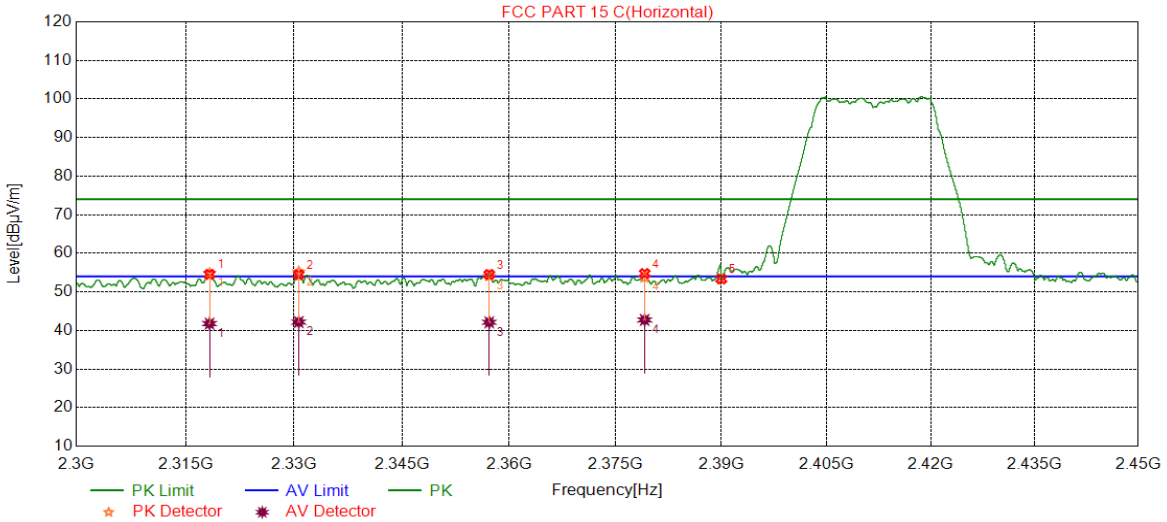


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	43.41	13.51	56.92	74.00	-17.08	peak
		28.41	13.51	41.92	54.00	-12.08	average
2	2495.3915	43.00	13.61	56.61	74.00	-17.39	peak
		28.00	13.61	41.61	54.00	-12.39	average
3	2515.2295	40.74	13.76	54.50	74.00	-19.50	peak
		28.74	13.76	42.50	54.00	-11.50	average
4	2556.6157	41.46	13.99	55.45	74.00	-18.55	peak
		28.46	13.99	42.45	54.00	-11.55	average
5	2593.5914	42.23	14.06	56.29	74.00	-17.71	peak
		28.23	14.06	42.29	54.00	-11.71	average

- 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.
 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

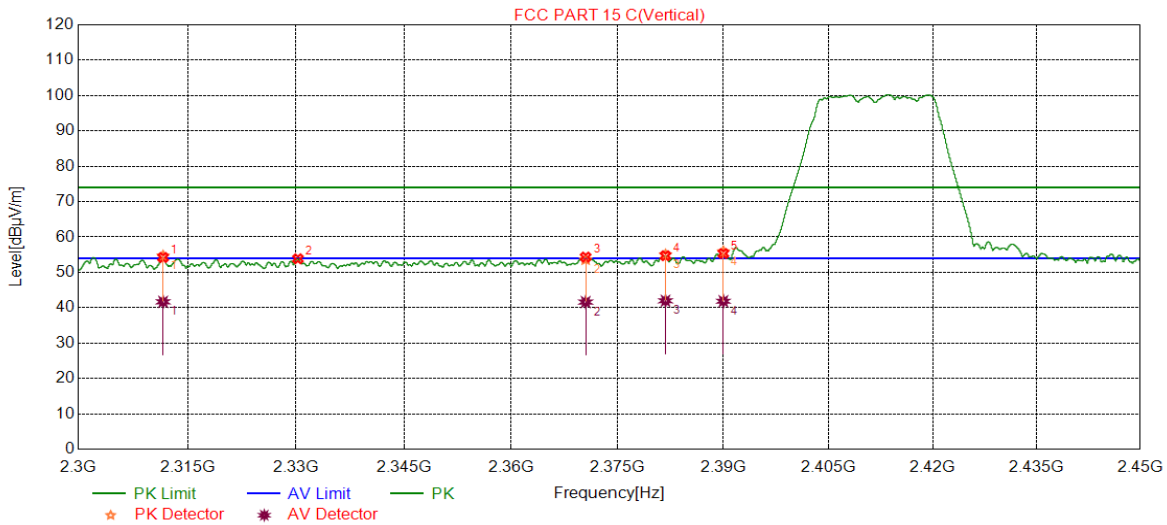


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2318.3023	41.8	12.98	54.78	74.00	-19.22	peak
		28.79	12.98	41.77	54.00	-12.23	average
2	2330.6413	42.02	13.15	55.17	74.00	-18.83	peak
		29.02	13.15	42.17	54.00	-11.83	average
3	2357.2134	40.67	13.45	54.12	74.00	-19.88	peak
		28.67	13.45	42.12	54.00	-11.88	average
4	2379.1161	40.07	13.66	53.73	74.00	-20.27	peak
		29.07	13.66	42.73	54.00	-11.27	average
5	2390.0000	39.59	13.75	53.34	74.00	-20.66	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.
 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

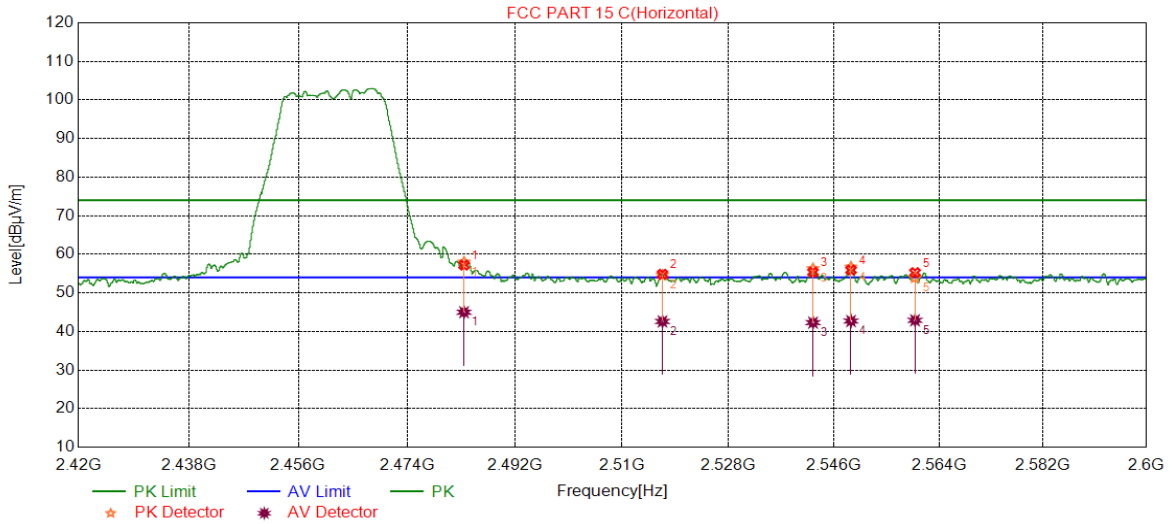


No.	Frequency (MHz)	Reading Level	Correct Factor	Result	Limit	Margin	Remark
		(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2311.6265	41.71	12.96	54.67	74.00	-19.33	peak
		28.71	12.96	41.67	54.00	-12.33	average
2	2330.2475	40.70	13.14	53.84	74.00	-20.16	peak
3	2370.4901	40.05	13.55	53.60	74.00	-20.40	peak
		28.05	13.55	41.60	54.00	-12.40	average
4	2381.7790	41.27	13.69	54.96	74.00	-19.04	peak
		28.27	13.69	41.96	54.00	-12.04	average
5	2390.0000	42.09	13.75	55.84	74.00	-18.16	peak
		28.09	13.75	41.84	54.00	-12.16	average

- 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.
 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

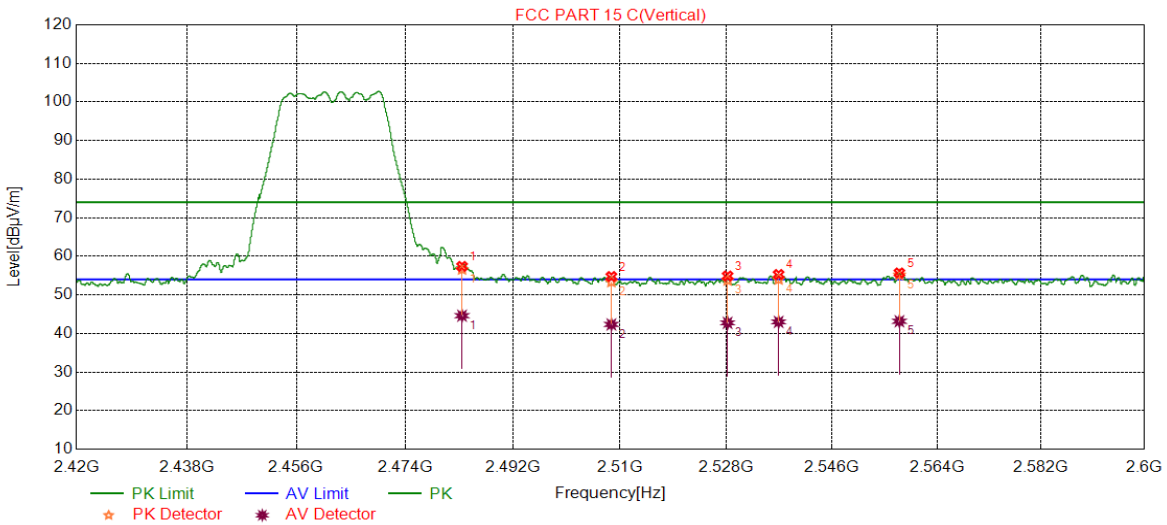


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	44.48	13.51	57.99	74.00	-16.01	peak
		31.48	13.51	44.99	54.00	-9.01	average
2	2516.8137	40.84	13.76	54.60	74.00	-19.40	peak
		28.83	13.76	42.59	54.00	-11.41	average
3	2542.3942	42.4	13.89	56.29	74.00	-17.71	peak
		28.40	13.89	42.29	54.00	-11.71	average
4	2548.8929	42.76	13.94	56.70	74.00	-17.30	peak
		28.76	13.94	42.70	54.00	-11.30	average
5	2559.8740	39.91	13.98	53.89	74.00	-20.11	peak
		28.91	13.98	42.89	54.00	-11.11	average

- 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.
 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

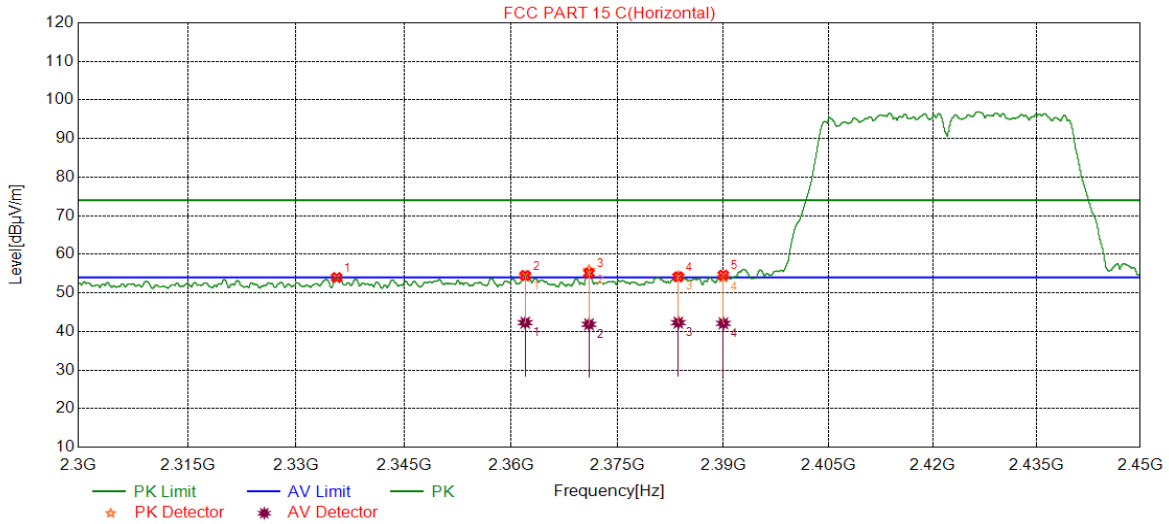


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	43.09	13.51	56.60	74.00	-17.40	peak
		31.09	13.51	44.60	54.00	-9.40	average
2	2508.5329	39.62	13.72	53.34	74.00	-20.66	peak
		28.62	13.72	42.34	54.00	-11.66	average
3	2528.1908	39.9	13.85	53.75	74.00	-20.25	peak
		28.90	13.85	42.75	54.00	-11.25	average
4	2536.8677	40.13	13.87	54.00	74.00	-20.00	peak
		29.13	13.87	43.00	54.00	-11.00	average
5	2557.5338	41.16	14.00	55.16	74.00	-18.84	peak
		29.16	14.00	43.16	54.00	-10.84	average

- 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.
 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

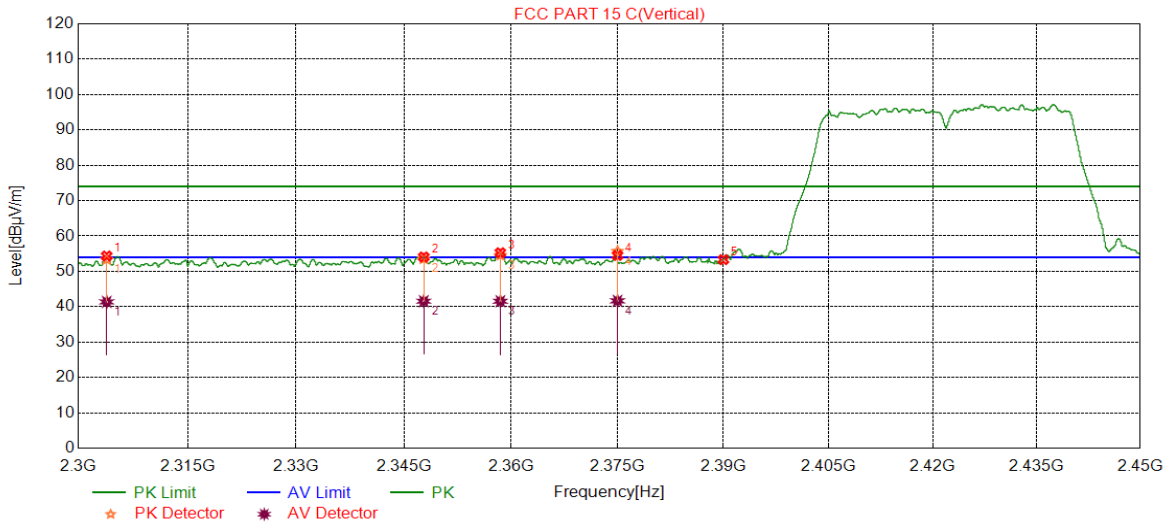


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2335.6295	40.76	13.22	53.98	74.00	-20.02	peak
2	2361.9765	40.81	13.46	54.27	74.00	-19.73	peak
		28.81	13.46	42.27	54.00	-11.73	average
3	2370.9589	42.29	13.55	55.84	74.00	-18.16	peak
		28.29	13.55	41.84	54.00	-12.16	average
4	2383.5980	40.57	13.71	54.28	74.00	-19.72	peak
		28.57	13.71	42.28	54.00	-11.72	average
5	2390.0000	40.34	13.75	54.09	74.00	-19.91	peak
		28.34	13.75	42.09	54.00	-11.91	average

- 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.
 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

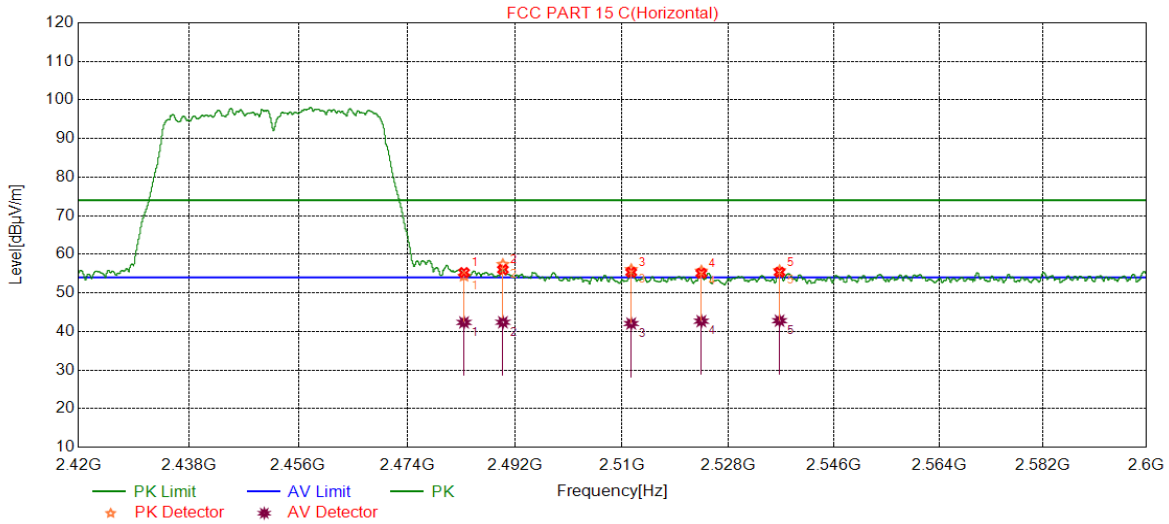


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2303.8817	40.45	12.91	53.36	74.00	-20.64	peak
		28.45	12.91	41.36	54.00	-12.64	average
2	2347.7622	40.19	13.37	53.56	74.00	-20.44	peak
		28.19	13.37	41.56	54.00	-12.44	average
3	2358.4886	41.1	13.45	54.55	74.00	-19.45	peak
		28.10	13.45	41.55	54.00	-12.45	average
4	2374.9906	42.08	13.58	55.66	74.00	-18.34	peak
		28.08	13.58	41.66	54.00	-12.34	average
5	2390.0000	39.56	13.75	53.31	74.00	-20.69	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.
 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

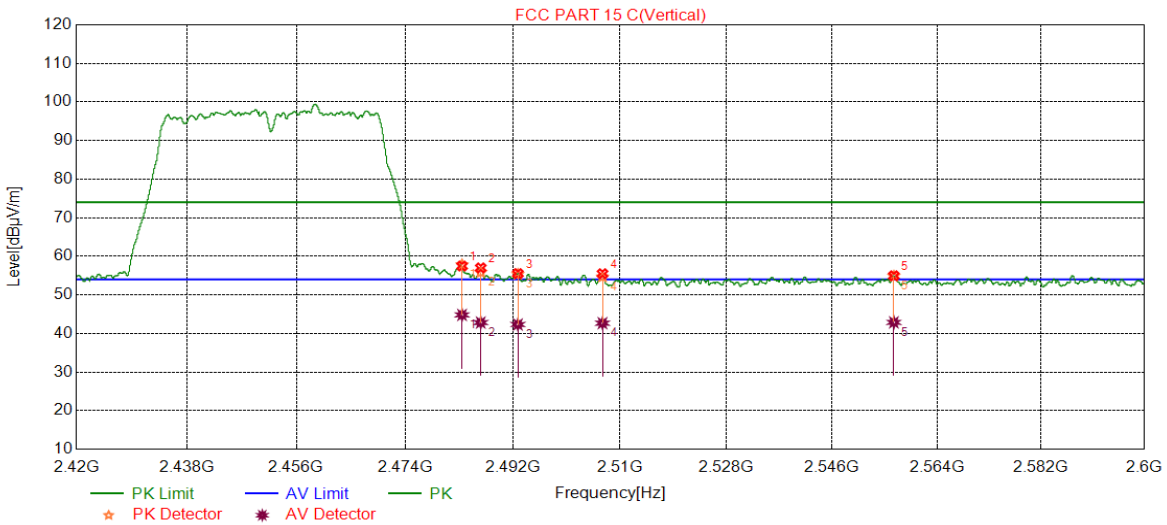


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	40.83	13.51	54.34	74.00	-19.66	peak
		28.83	13.51	42.34	54.00	-11.66	average
2	2489.9910	43.82	13.56	57.38	74.00	-16.62	peak
		28.82	13.56	42.38	54.00	-11.62	average
3	2511.5392	42.32	13.73	56.05	74.00	-17.95	peak
		28.32	13.73	42.05	54.00	-11.95	average
4	2523.4023	41.86	13.81	55.67	74.00	-18.33	peak
		28.86	13.81	42.67	54.00	-11.33	average
5	2536.6877	41.92	13.87	55.79	74.00	-18.21	peak
		28.92	13.87	42.79	54.00	-11.21	average

- 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.
 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



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	44.3	13.51	57.81	74.00	-16.19	peak
		31.30	13.51	44.81	54.00	-9.19	average
2	2486.6247	42.29	13.53	55.82	74.00	-18.18	peak
		29.29	13.53	42.82	54.00	-11.18	average
3	2492.8353	41.73	13.59	55.32	74.00	-18.68	peak
		28.73	13.59	42.32	54.00	-11.68	average
4	2507.0387	40.96	13.70	54.66	74.00	-19.34	peak
		28.96	13.70	42.66	54.00	-11.34	average
5	2556.5797	40.89	13.99	54.88	74.00	-19.12	peak
		28.88	13.99	42.87	54.00	-11.13	average

- 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.
 4. 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:

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
1B	HCH	<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
1B	HCH	<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
1B	HCH	<Limit	PASS

Remark:

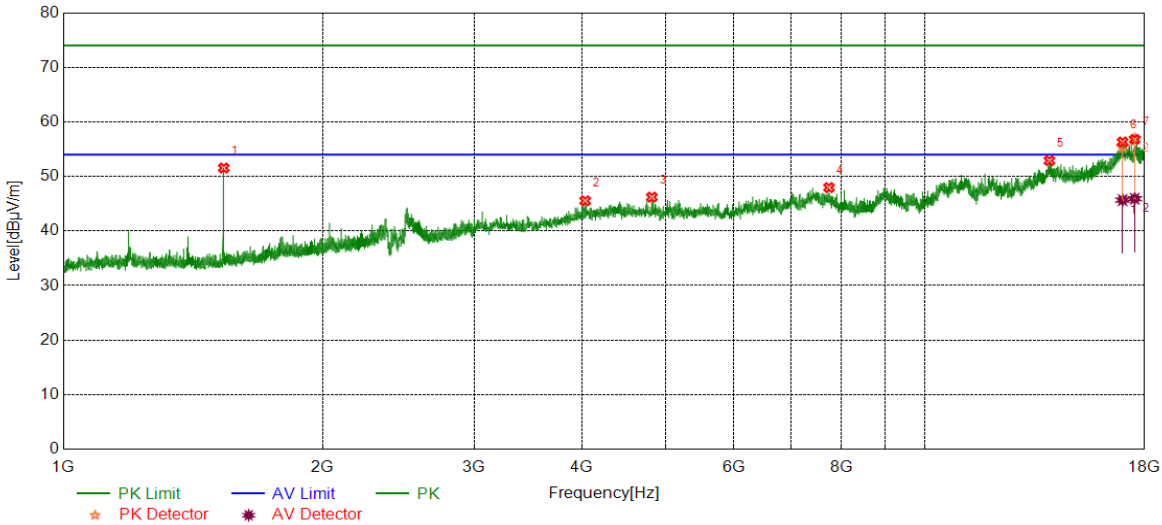
1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.



Part I: 1GHz~18GHz

HARMONICS AND SPURIOUS EMISSIONS

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

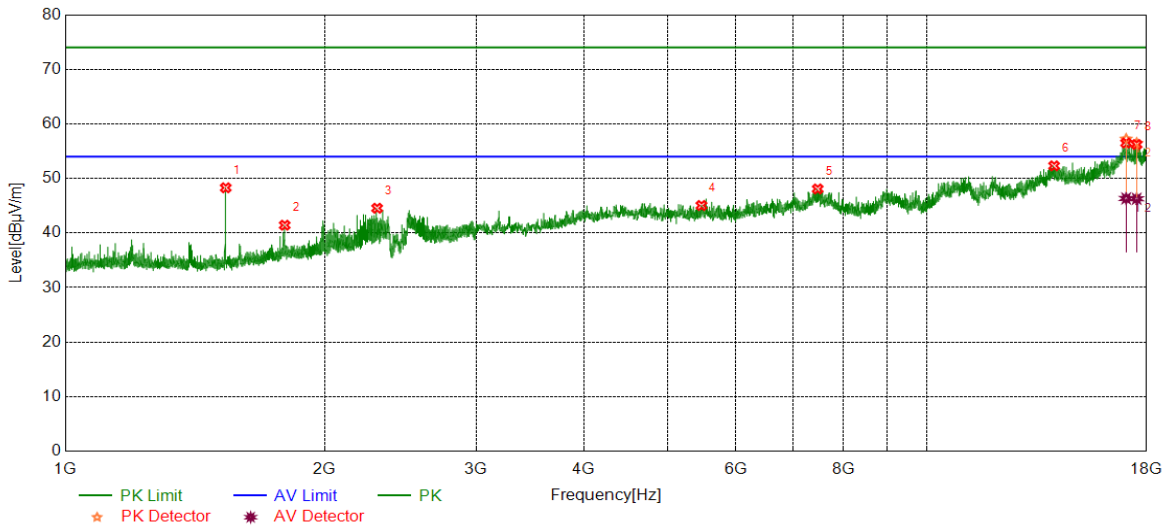


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.8170	57.23	-5.68	51.55	74.00	-22.45	peak
2	4035.1294	41.19	4.34	45.53	74.00	-28.47	peak
3	4822.7278	41.31	4.90	46.21	74.00	-27.79	peak
4	7742.4678	39.40	8.56	47.96	74.00	-26.04	peak
5	13956.9946	37.89	15.01	52.90	74.00	-21.10	peak
6	16968.6211	35.5	19.88	55.38	74.00	-18.62	peak
		25.78	19.88	45.66	54.00	-8.34	average
7	17531.1914	38.72	18.24	56.96	74.00	-17.04	peak
		27.68	18.24	45.92	54.00	-8.08	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. Confirm that the test have added the Band Reject Filter 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.
 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

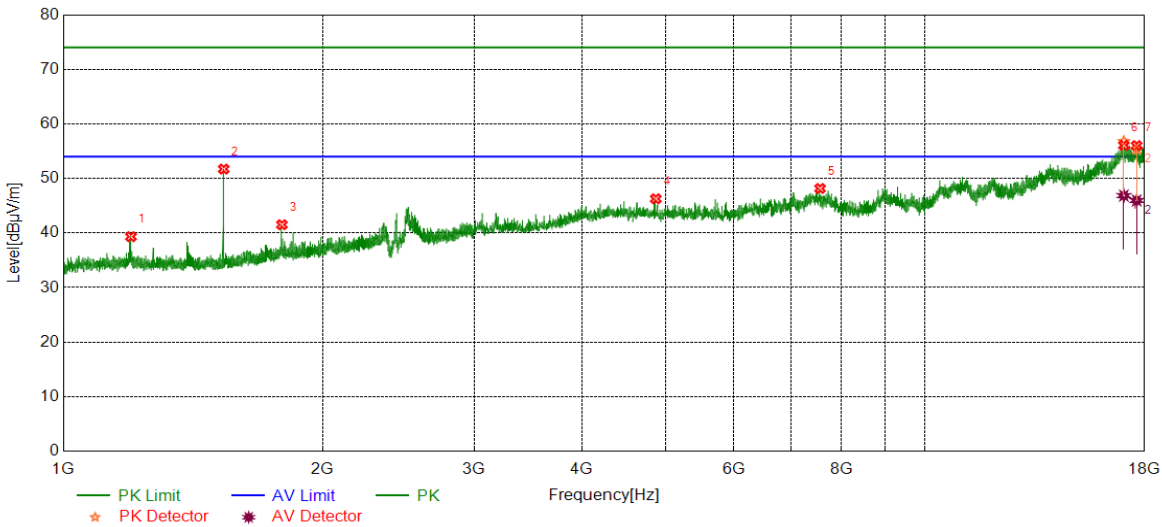


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.8170	53.97	-5.68	48.29	74.00	-25.71	peak
2	1798.0998	45.33	-3.90	41.43	74.00	-32.57	peak
3	2301.6627	46.40	-1.86	44.54	74.00	-29.46	peak
4	5477.1846	39.74	5.30	45.04	74.00	-28.96	peak
5	7472.4341	38.91	9.17	48.08	74.00	-25.92	peak
6	14056.3820	36.63	15.68	52.31	74.00	-21.69	
	17039.8800	37.72	19.50	57.22	74.00	-16.78	peak
7	17527.4409	26.83	19.50	46.33	54.00	-7.67	average
		38.2	18.25	56.45	74.00	-17.55	peak
		28.03	18.25	46.28	54.00	-7.72	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. Confirm that the test have added the Band Reject Filter 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.
 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

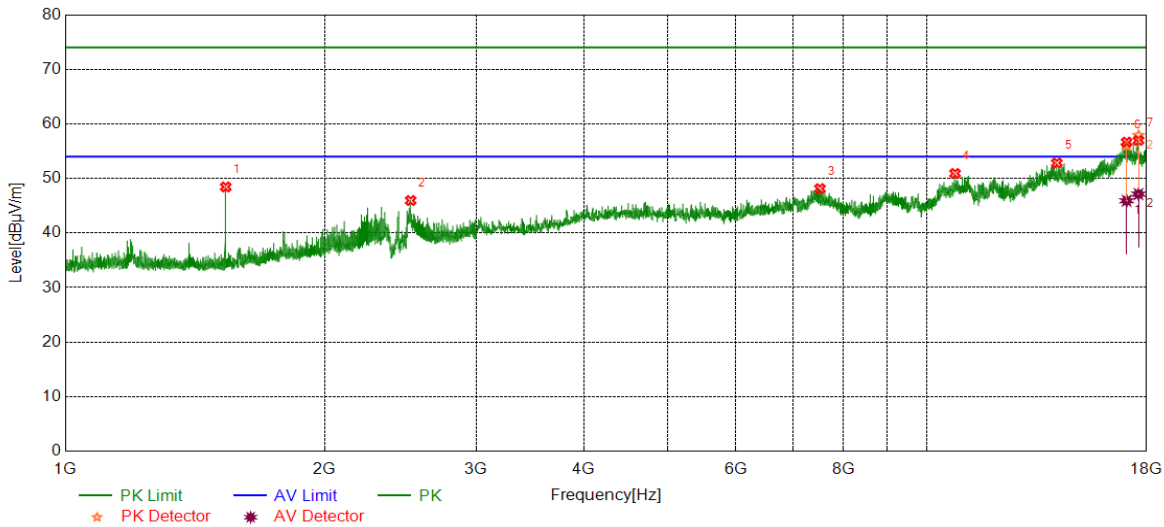


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.5248	44.87	-5.54	39.33	74.00	-34.67	peak
2	1535.8170	57.40	-5.68	51.72	74.00	-22.28	peak
3	1794.0993	45.46	-3.94	41.52	74.00	-32.48	peak
4	4873.3592	41.41	4.86	46.27	74.00	-27.73	peak
5	7560.5701	38.81	9.35	48.16	74.00	-25.84	peak
6	17026.7533	37.37	19.42	56.79	74.00	-17.21	peak
		27.43	19.42	46.85	54.00	-7.15	average
7	17621.2027	36.61	18.73	55.34	74.00	-18.66	peak
		27.23	18.73	45.96	54.00	-8.04	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. Confirm that the test have added the Band Reject Filter 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.
 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

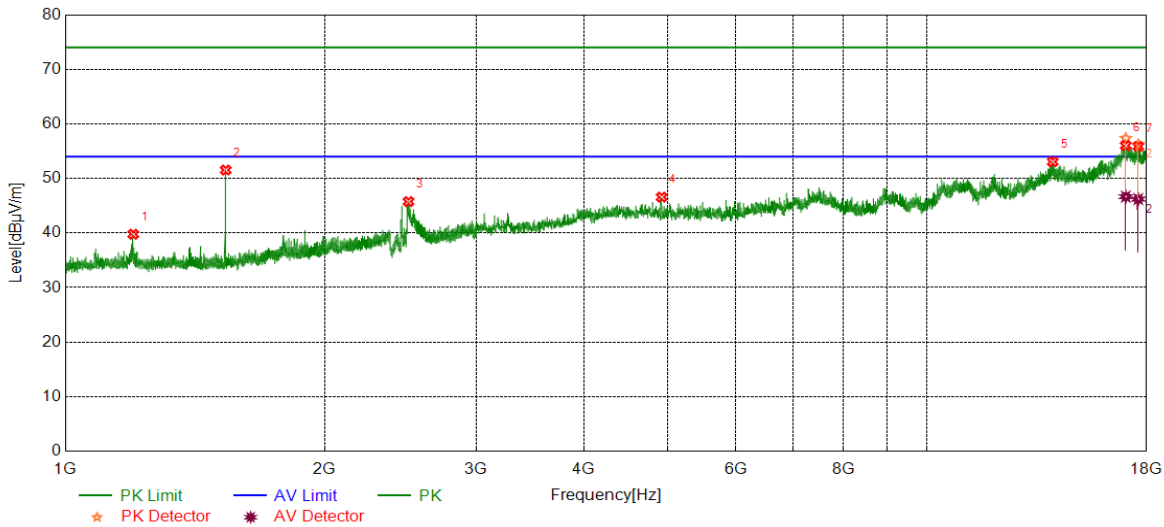


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.8170	54.12	-5.68	48.44	74.00	-25.56	peak
2	2517.6897	46.67	-0.71	45.96	74.00	-28.04	peak
3	7517.4397	39.00	9.13	48.13	74.00	-25.87	peak
4	10787.8485	38.96	11.95	50.91	74.00	-23.09	peak
5	14161.3952	37.32	15.51	52.83	74.00	-21.17	peak
		36.09	19.89	55.98	74.00	-18.02	peak
6	17062.3828	26.02	19.89	45.91	54.00	-8.09	average
		39.18	18.71	57.89	74.00	-16.11	peak
7	17613.7017	28.42	18.71	47.13	54.00	-6.87	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. Confirm that the test have added the Band Reject Filter 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.
 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS

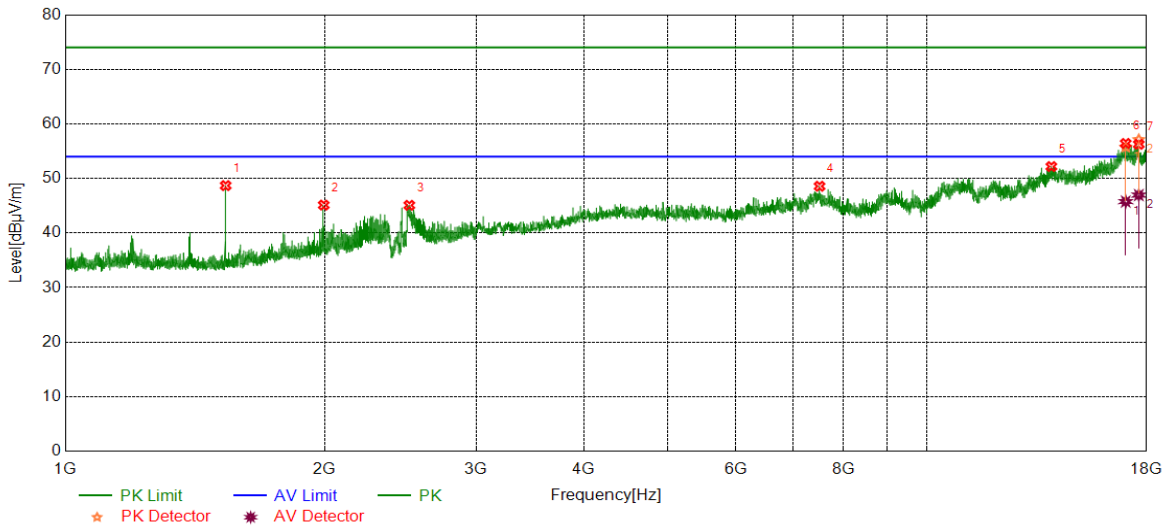


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1199.5249	45.32	-5.54	39.78	74.00	-34.22	peak
2	1535.8170	57.22	-5.68	51.54	74.00	-22.46	peak
3	2503.4379	46.34	-0.58	45.76	74.00	-28.24	peak
4	4923.9905	41.50	5.08	46.58	74.00	-27.42	peak
5	14003.8755	37.90	15.16	53.06	74.00	-20.94	peak
		38.03	19.33	57.36	74.00	-16.64	peak
6	17023.0029	28.33	19.33	46.66	54.00	-6.34	average
		37.49	18.72	56.21	74.00	-17.79	peak
7	17604.3255	27.50	18.72	46.22	54.00	-7.78	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. Confirm that the test have added the Band Reject Filter 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.
 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1535.5669	54.38	-5.69	48.69	74.00	-25.31	peak
2	1995.6245	48.18	-3.06	45.12	74.00	-28.88	peak
3	2508.6886	45.62	-0.54	45.08	74.00	-28.92	peak
4	7509.9387	39.44	9.13	48.57	74.00	-25.43	peak
5	13955.1194	37.18	15.00	52.18	74.00	-21.82	peak
		36.46	19.29	55.75	74.00	-18.25	peak
6	17021.1276	26.47	19.29	45.76	54.00	-8.24	average
		38.29	18.82	57.11	74.00	-16.89	peak
7	17626.8284	28.13	18.82	46.95	54.00	-7.05	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. Confirm that the test have added the Band Reject Filter losses during the testing.
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