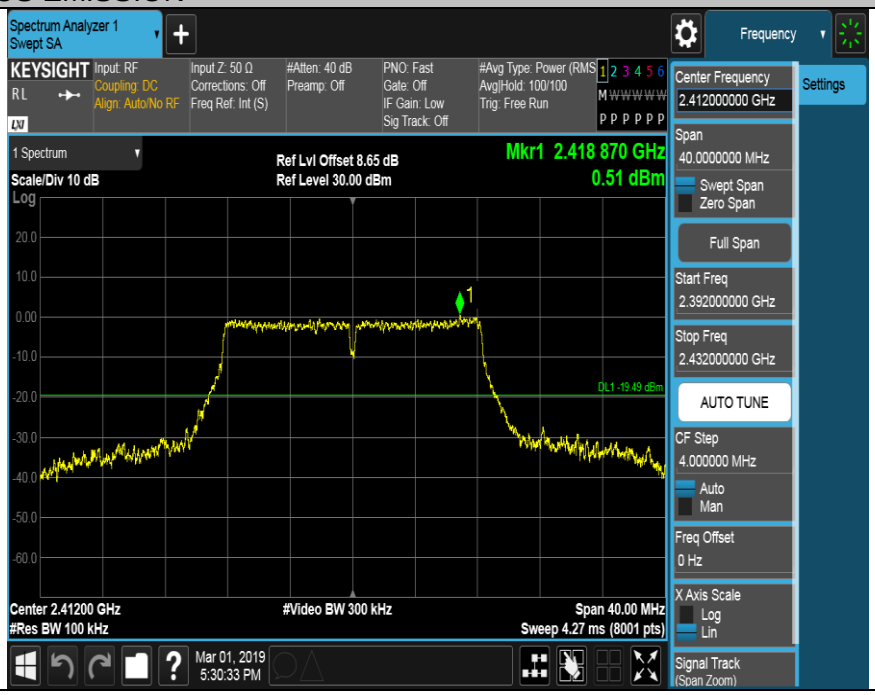
Test Mode	Channel	Verdict
11G SISO	LCH	PASS

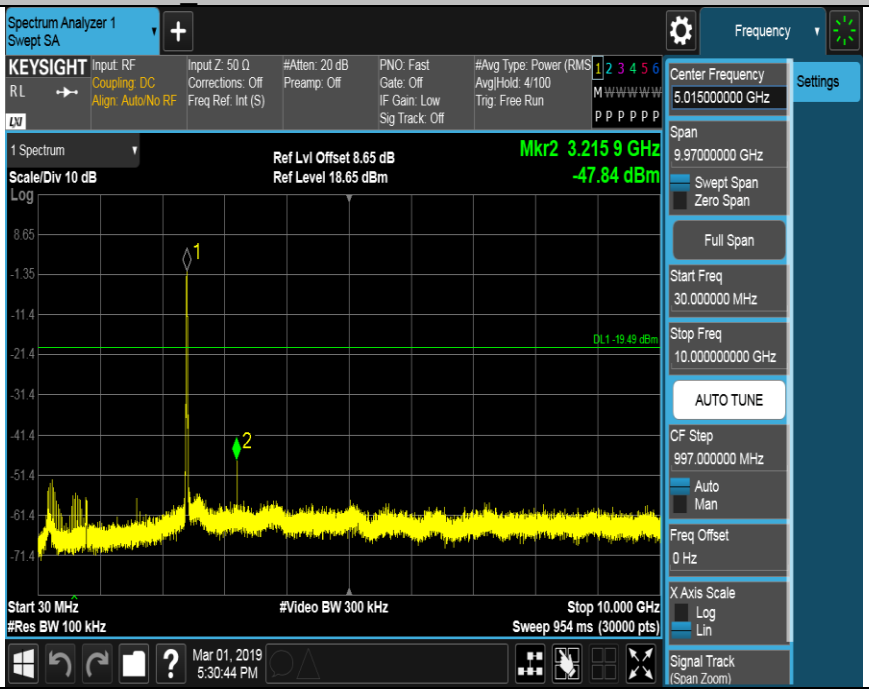
Pref test Plot

LCH SPURIOUS EMISSION

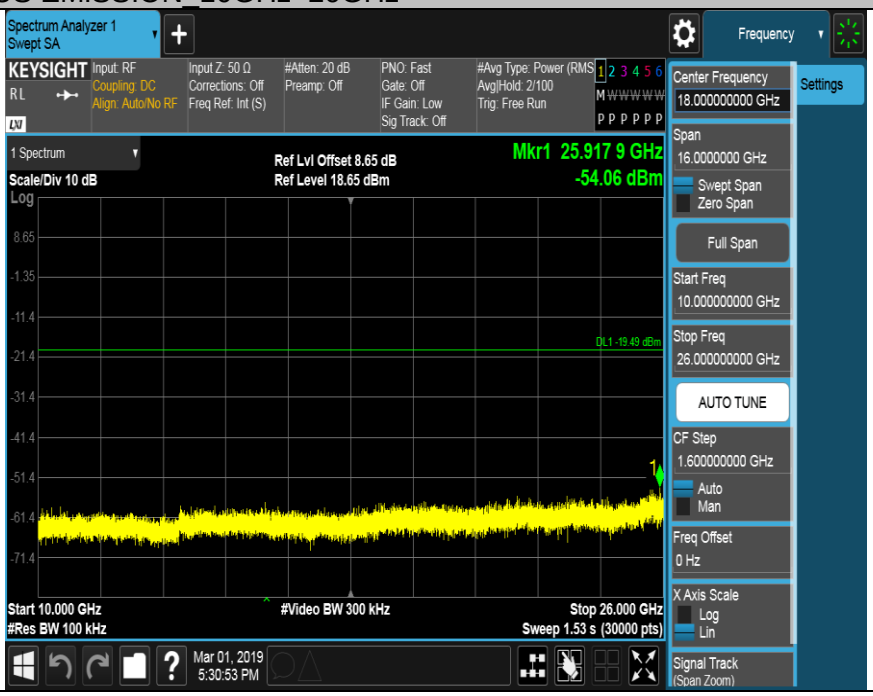


Puw test Plot

LCH SPURIOUS EMISSION_30MHz~10GHz



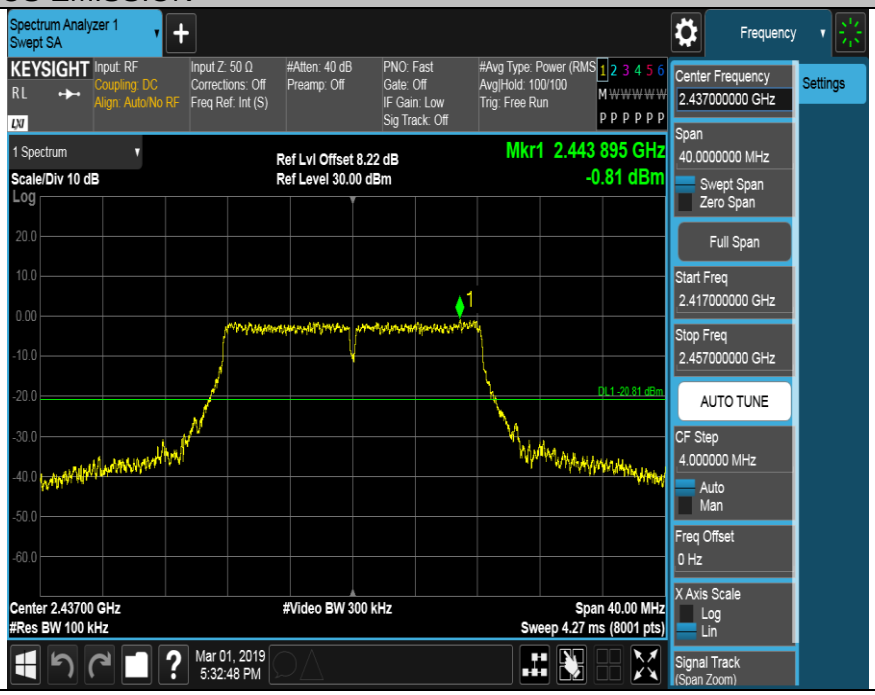
LCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11G SISO	MCH	PASS

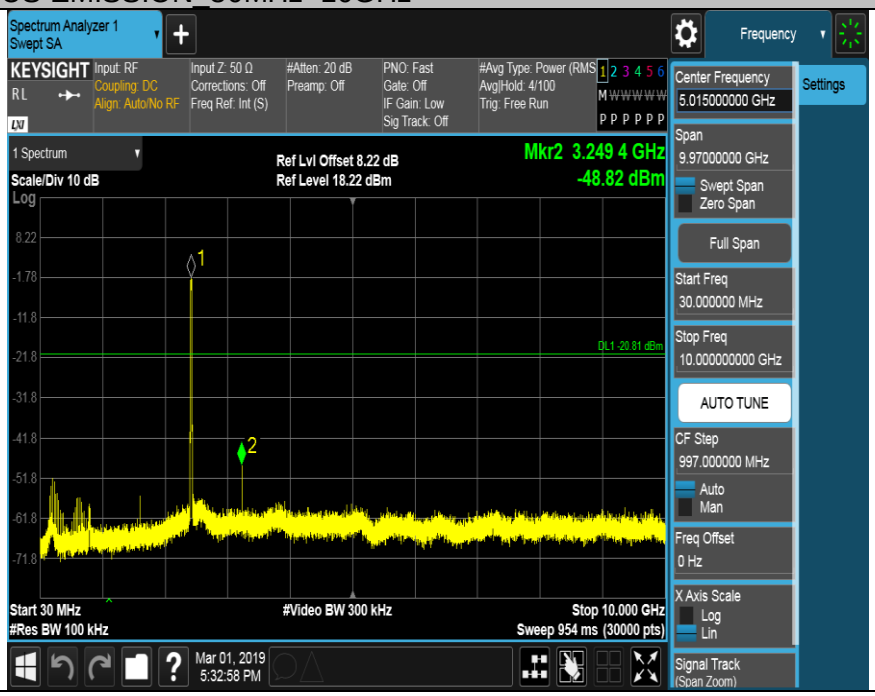
Pref test Plot

MCH SPURIOUS EMISSION

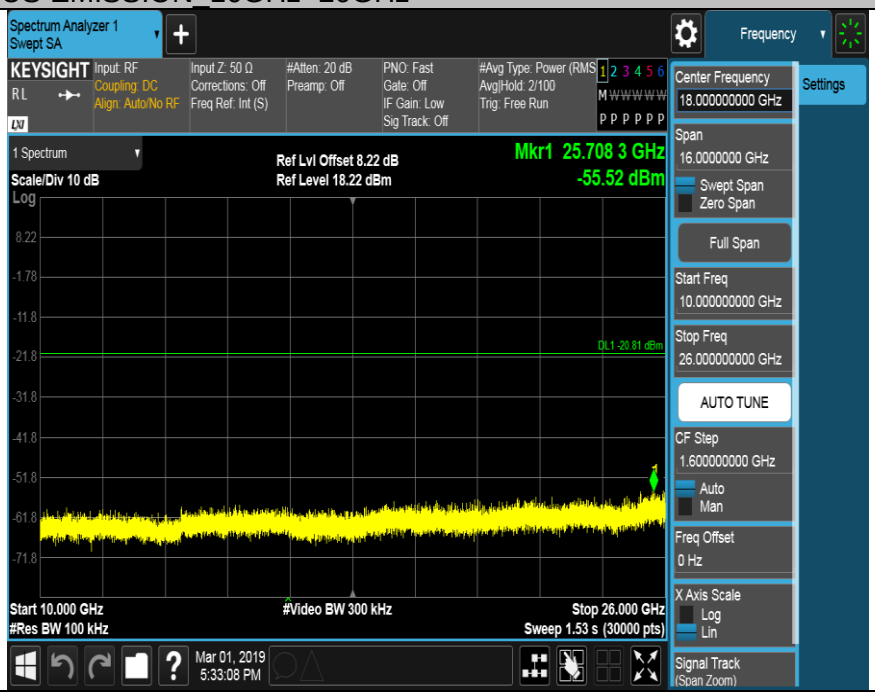


Puw test Plot

MCH SPURIOUS EMISSION_30MHz~10GHz



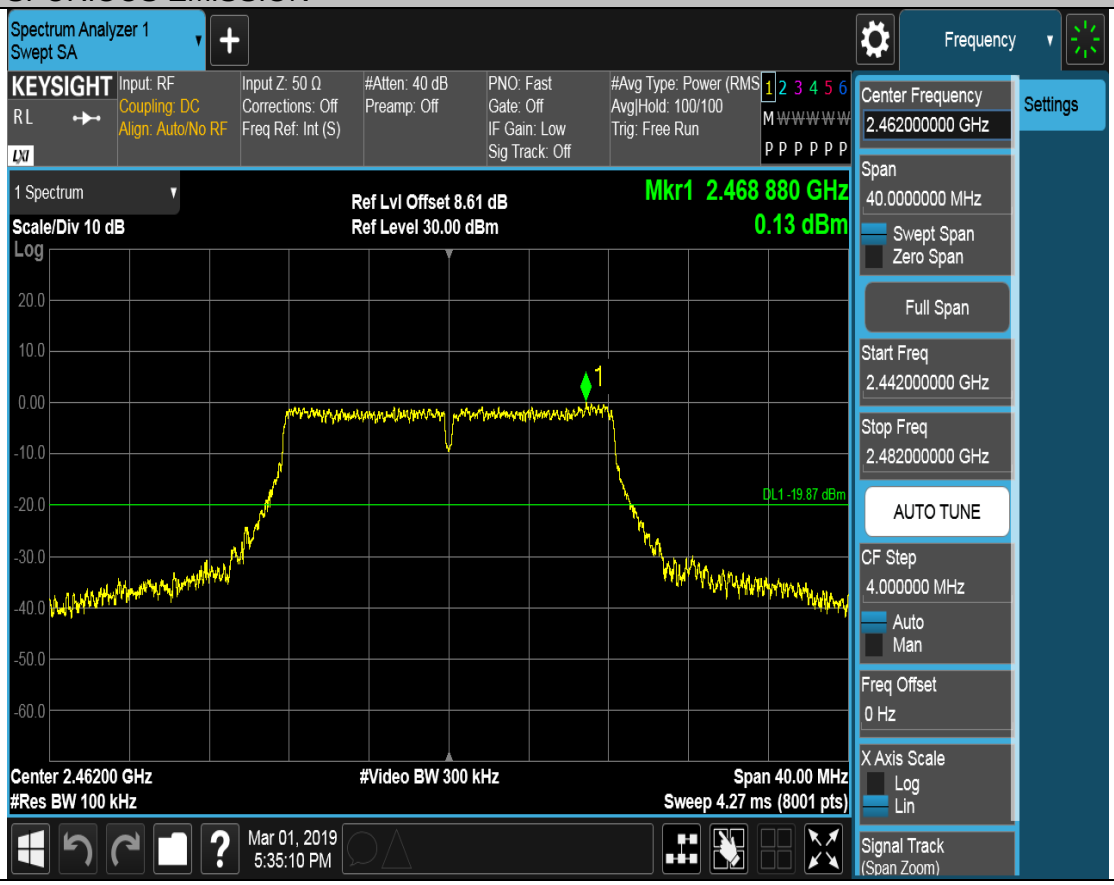
MCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11G SISO	HCH	PASS

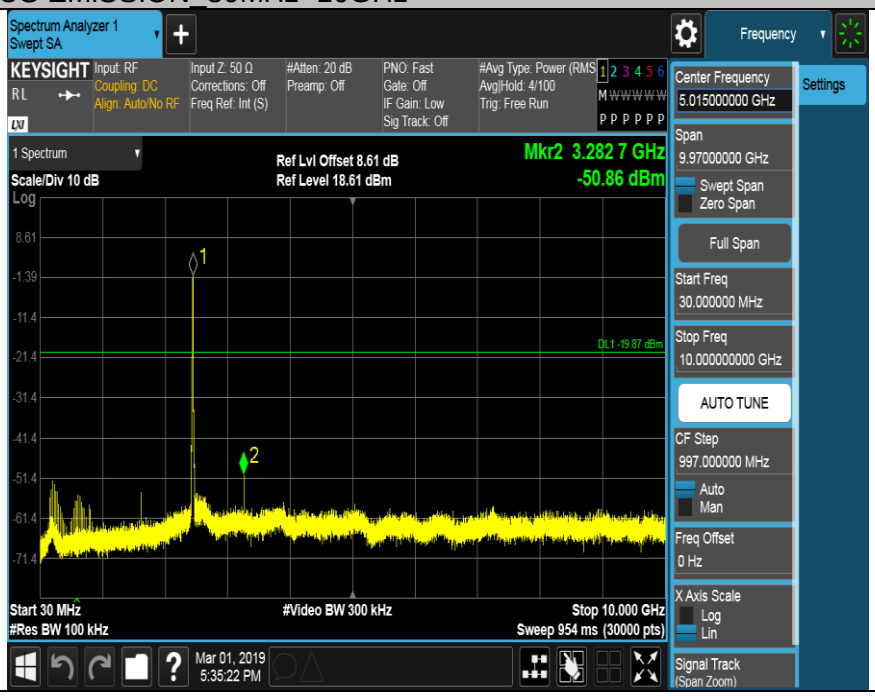
Pref test Plot

HCH SPURIOUS EMISSION

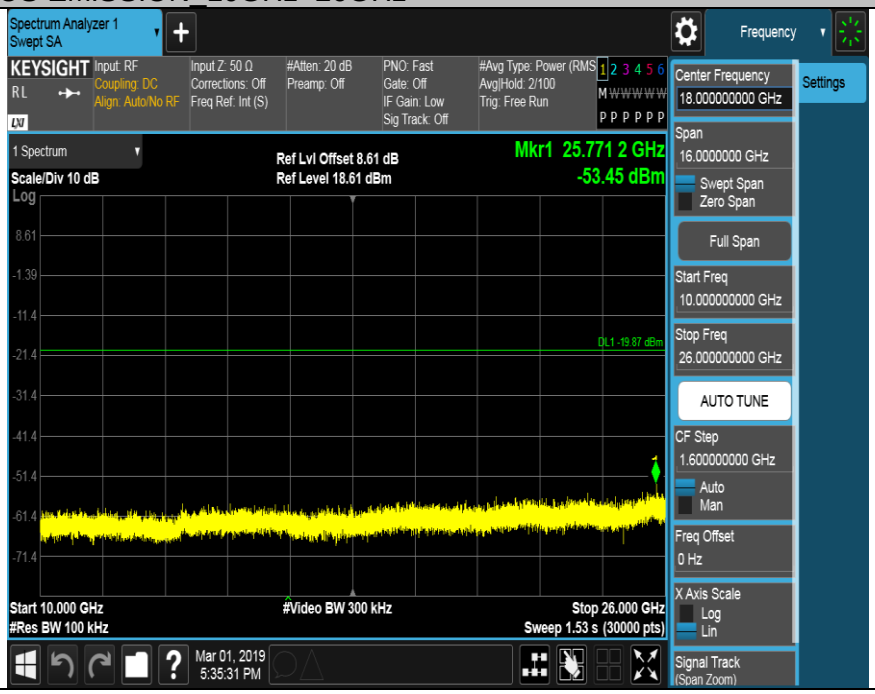


Puw test Plot

HCH SPURIOUS EMISSION_30MHz~10GHz

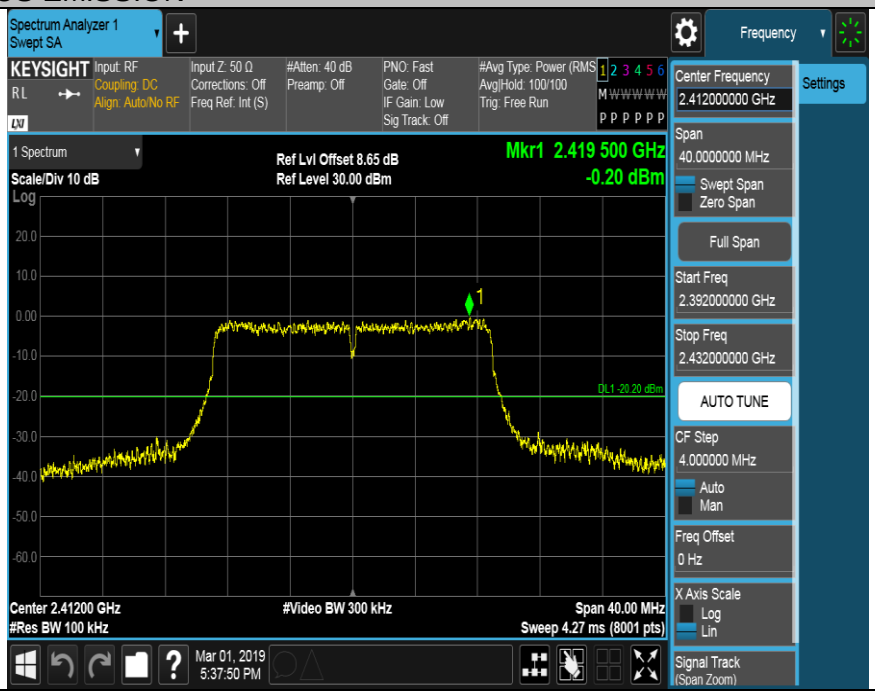


HCH SPURIOUS EMISSION_10GHz~26GHz



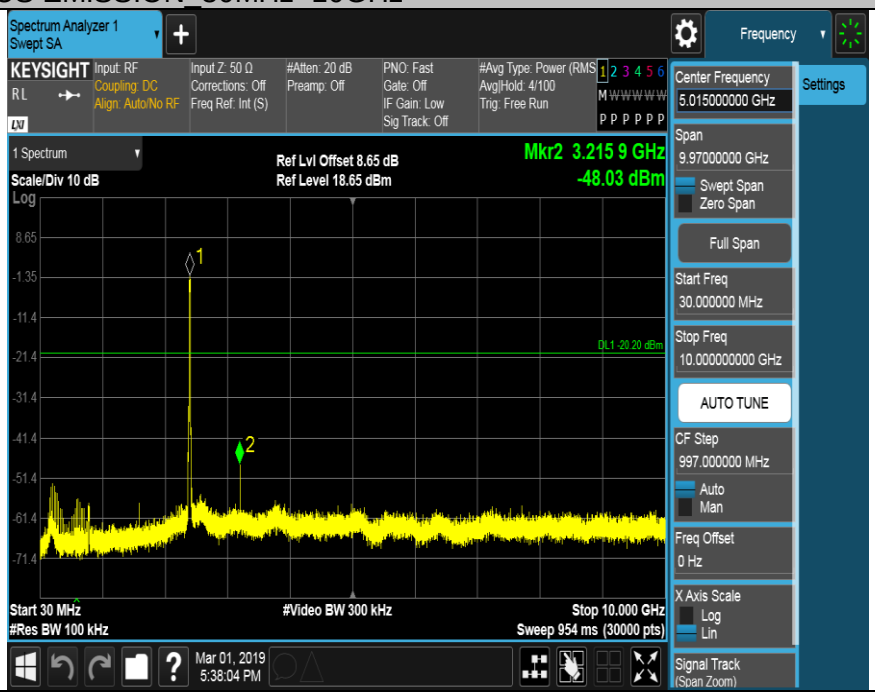
Test Mode	Channel	Verdict
11N20SISO	LCH	PASS

Pref test Plot

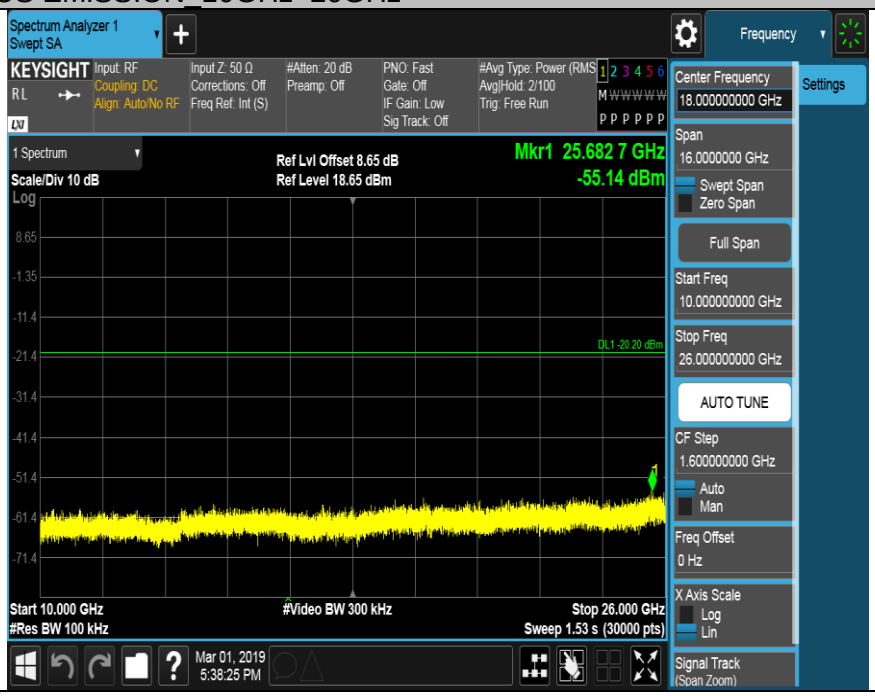
LCH SPURIOUS EMISSION


Puw test Plot

LCH SPURIOUS EMISSION_30MHz~10GHz



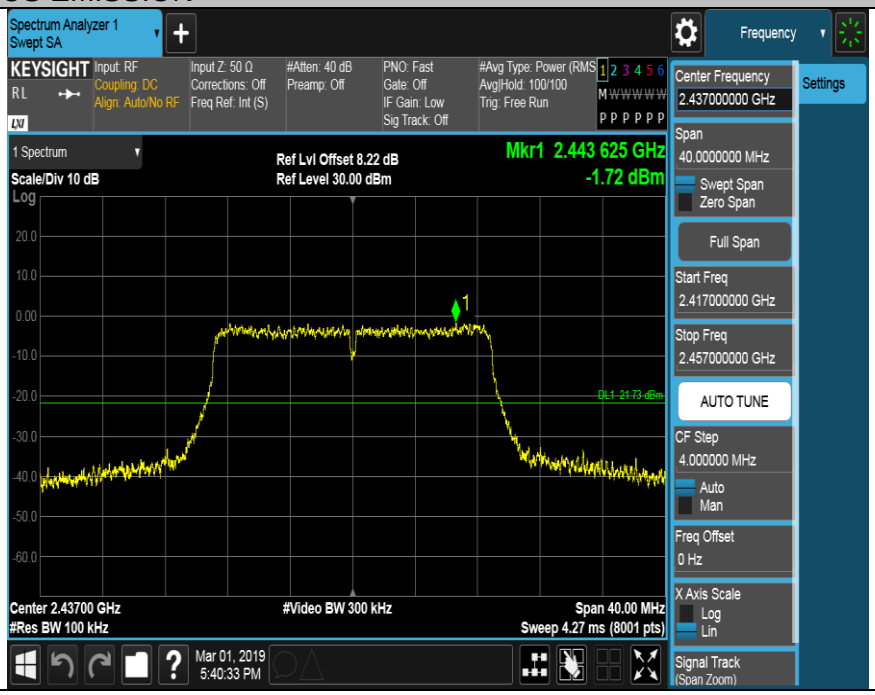
LCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11N20SISO	MCH	PASS

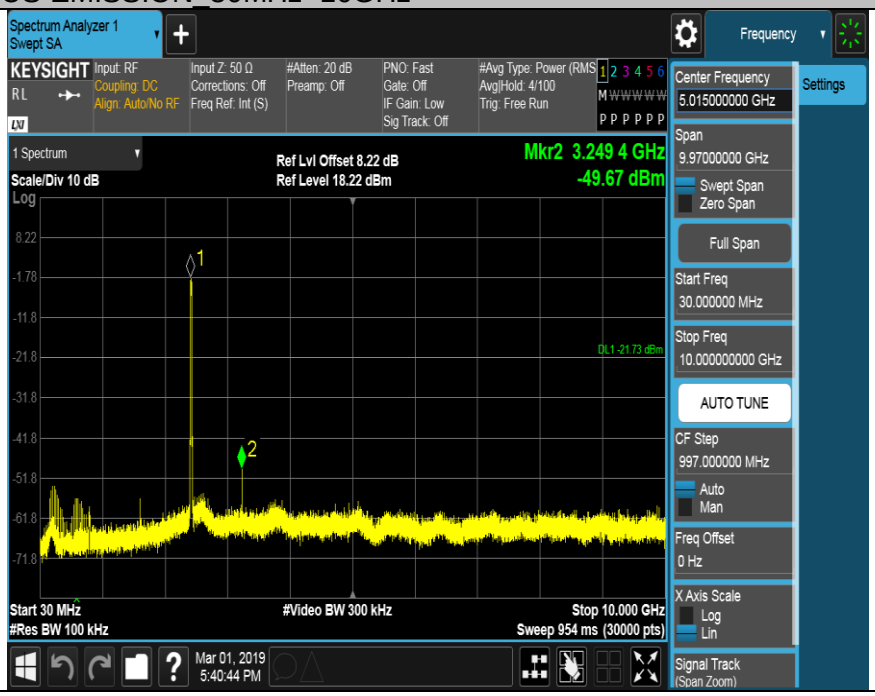
Pref test Plot

MCH SPURIOUS EMISSION

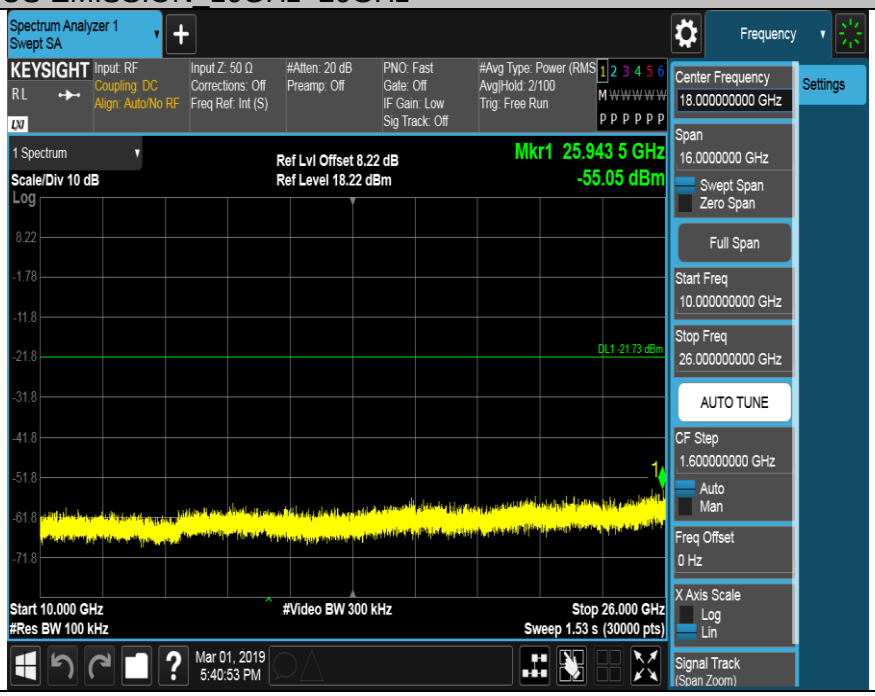


Puw test Plot

MCH SPURIOUS EMISSION_30MHz~10GHz



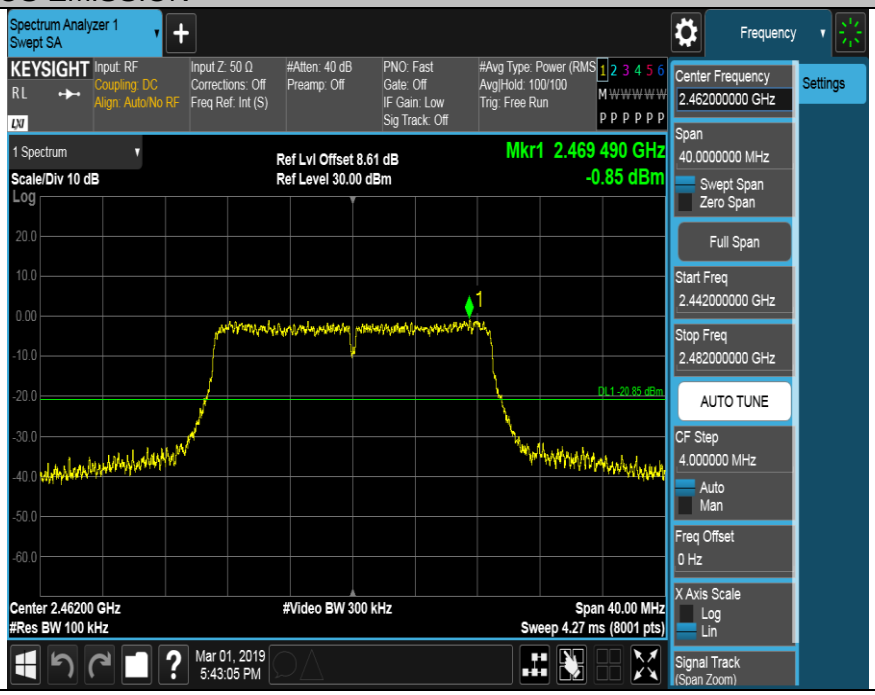
MCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11N20SISO	HCH	PASS

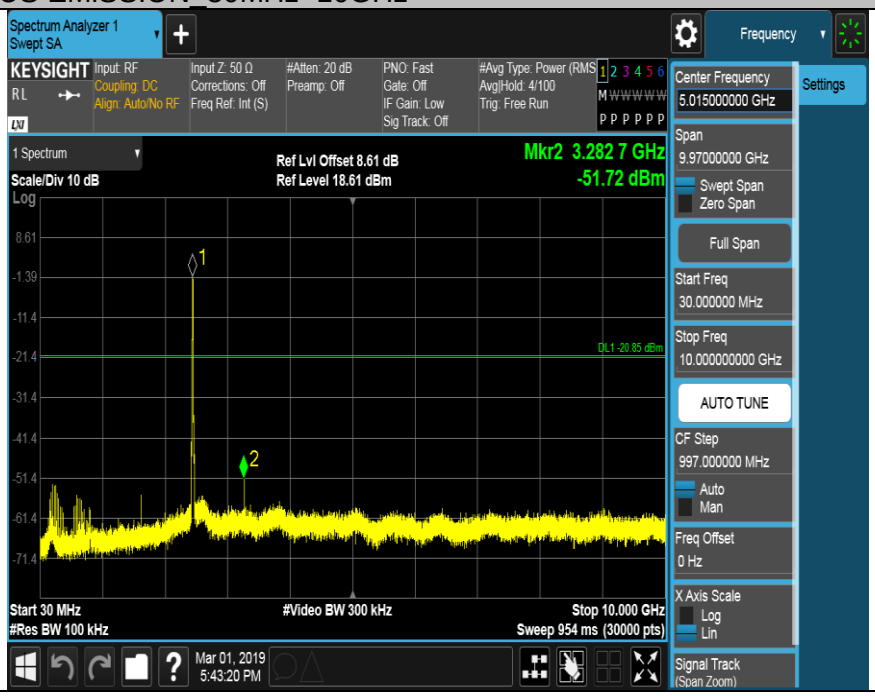
Pref test Plot

HCH SPURIOUS EMISSION

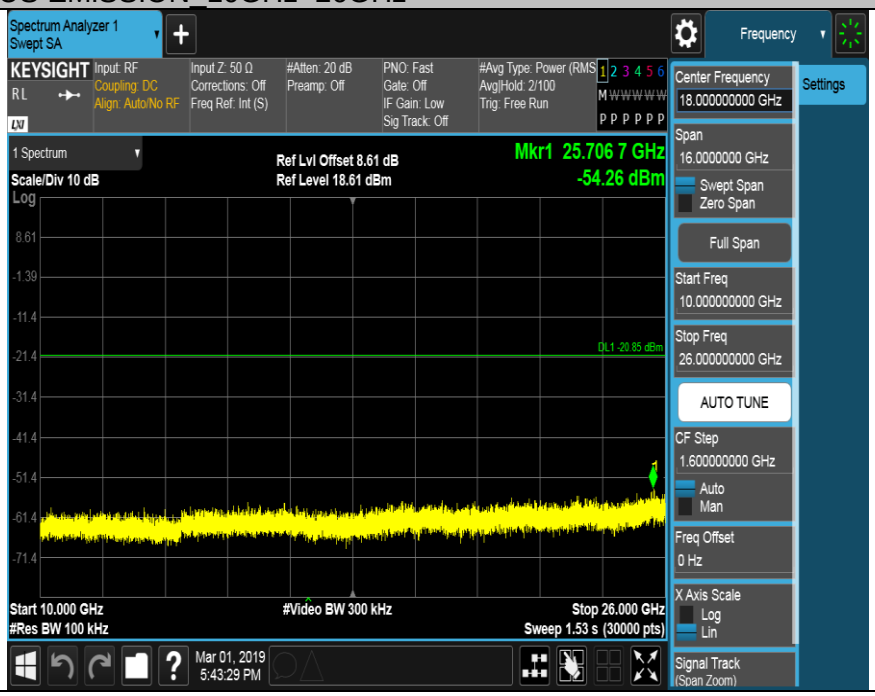


Puw test Plot

HCH SPURIOUS EMISSION_30MHz~10GHz



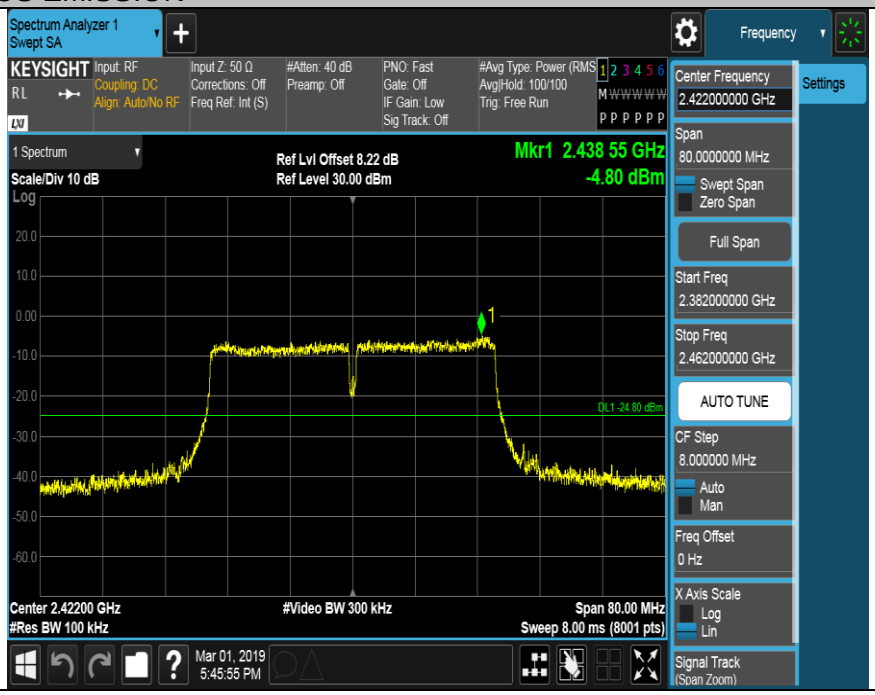
HCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11N40SISO	LCH	PASS

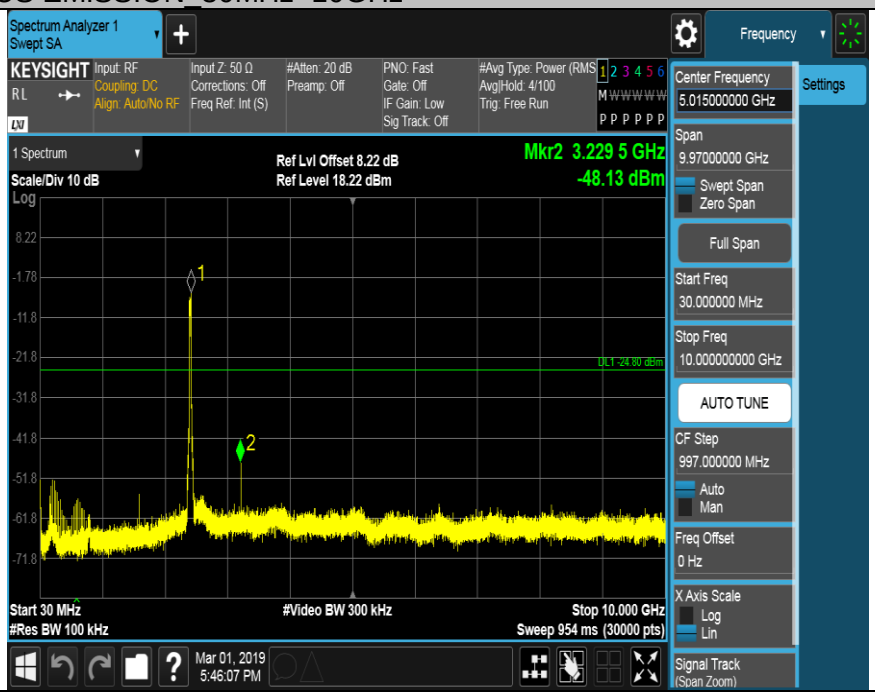
Pref test Plot

LCH SPURIOUS EMISSION

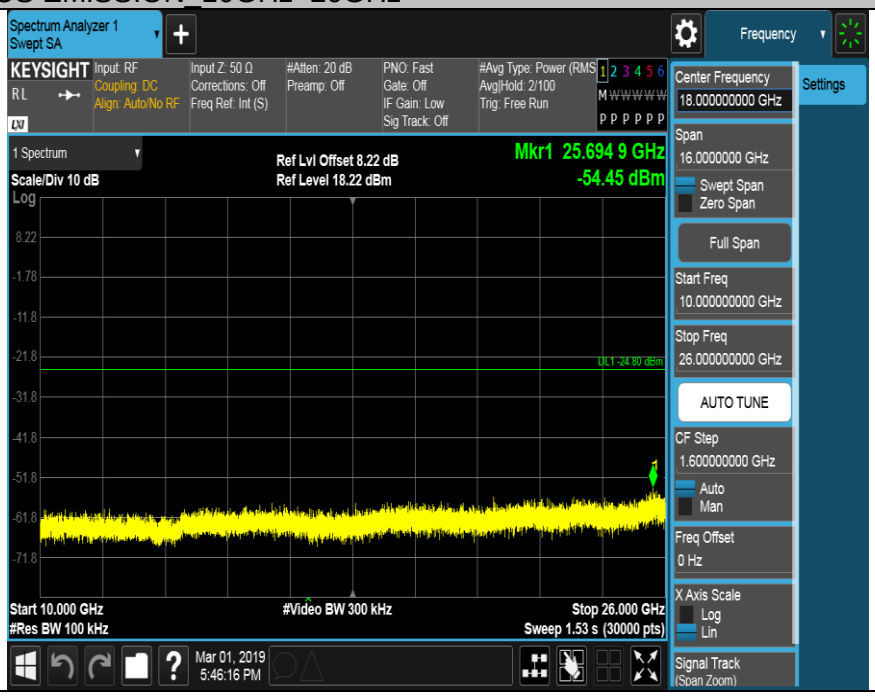


Puw test Plot

LCH SPURIOUS EMISSION_30MHz~10GHz



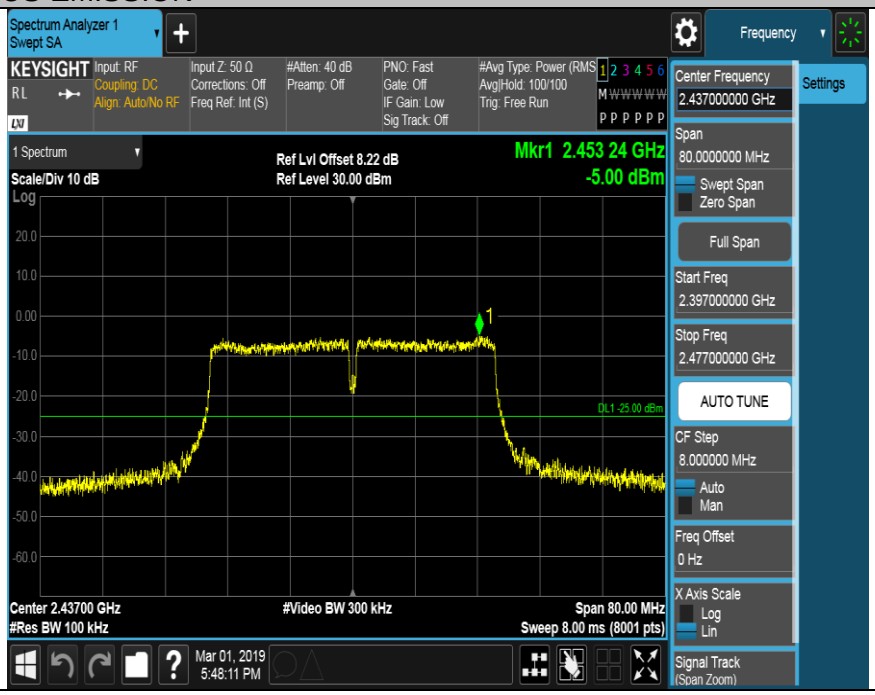
LCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11N40SISO	MCH	PASS

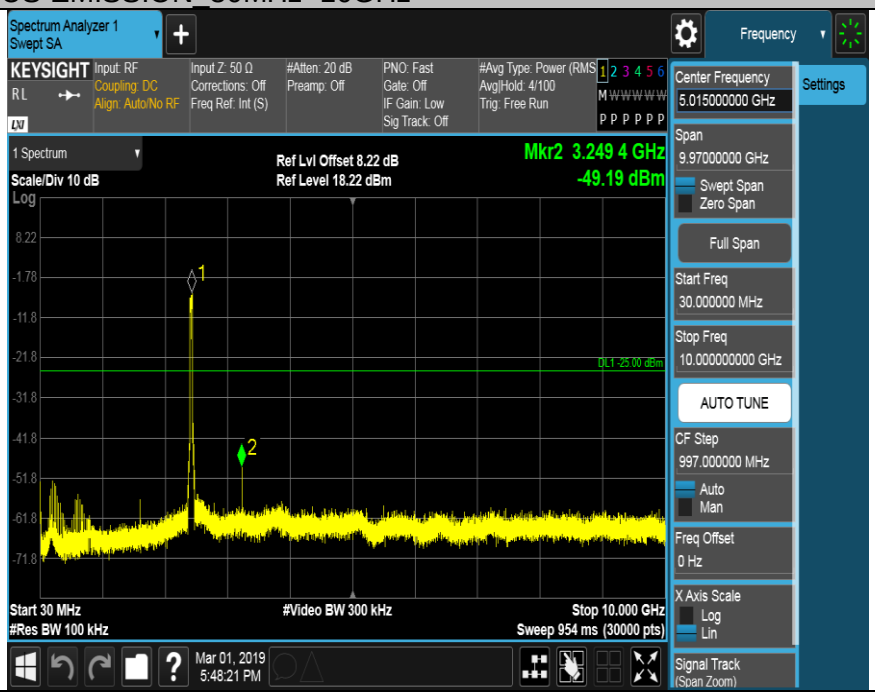
Pref test Plot

MCH SPURIOUS EMISSION

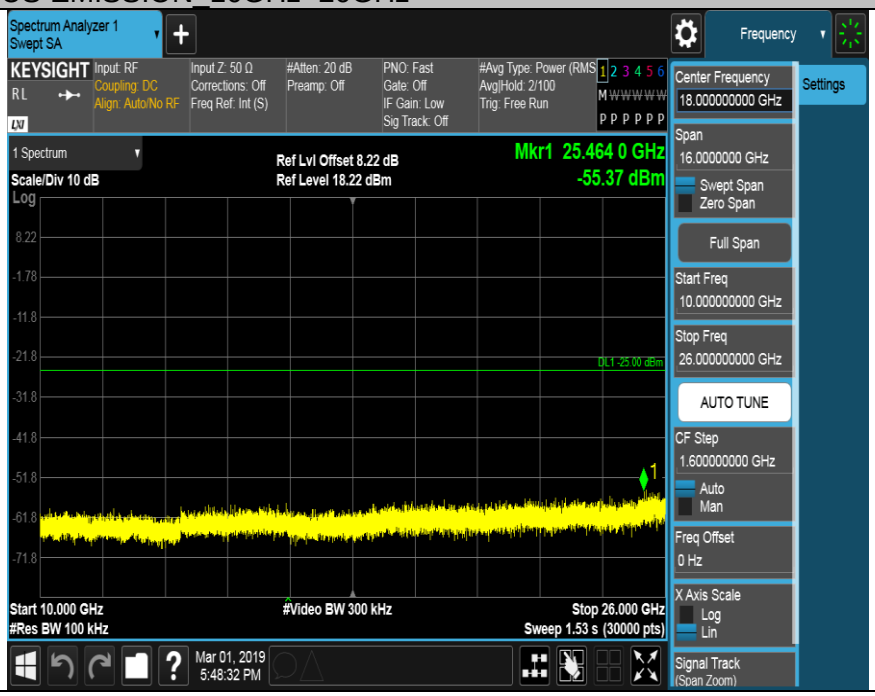


Puw test Plot

MCH SPURIOUS EMISSION_30MHz~10GHz



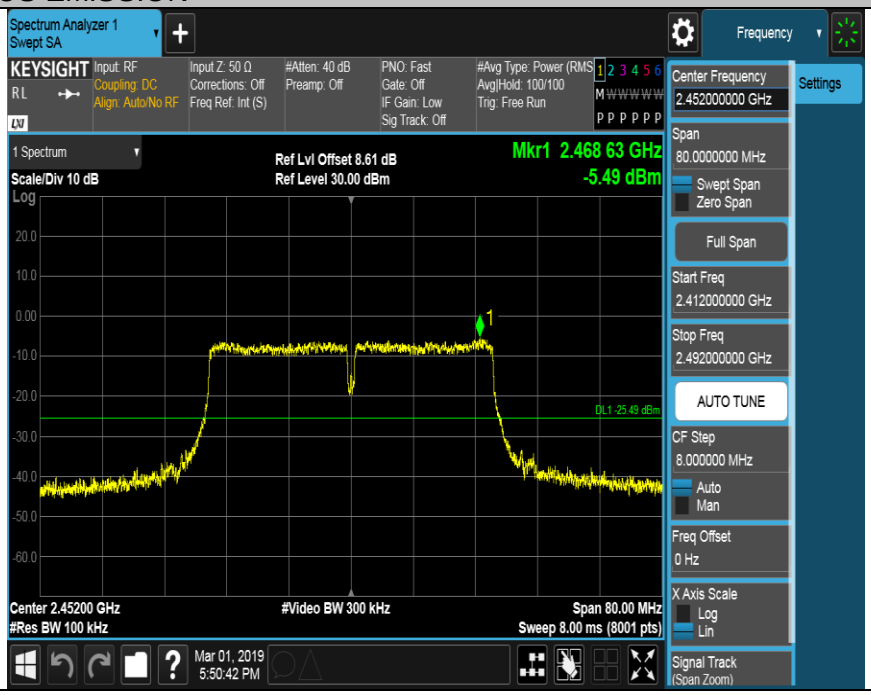
MCH SPURIOUS EMISSION_10GHz~26GHz



Test Mode	Channel	Verdict
11N40SISO	HCH	PASS

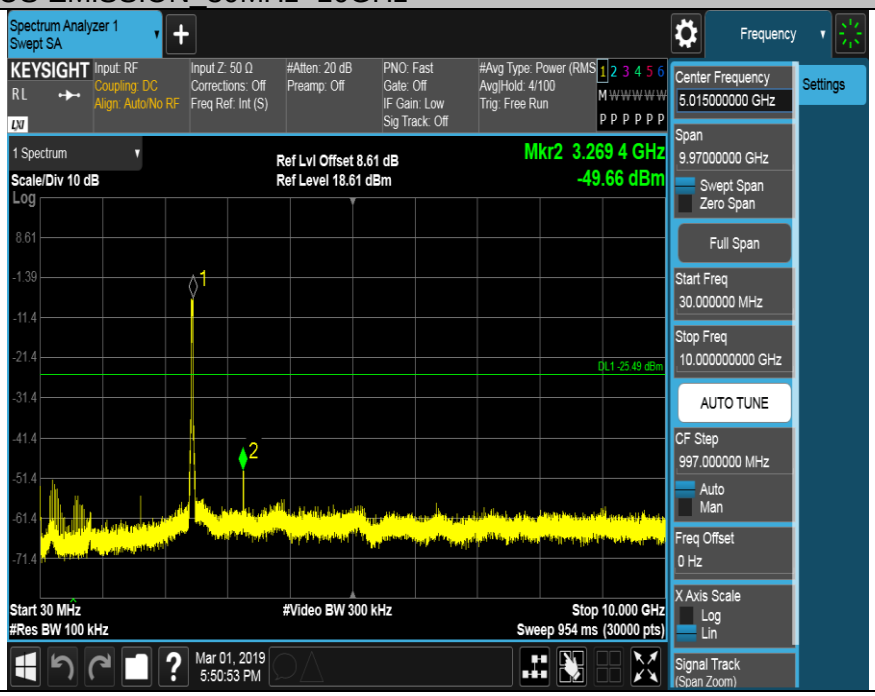
Pref test Plot

HCH SPURIOUS EMISSION

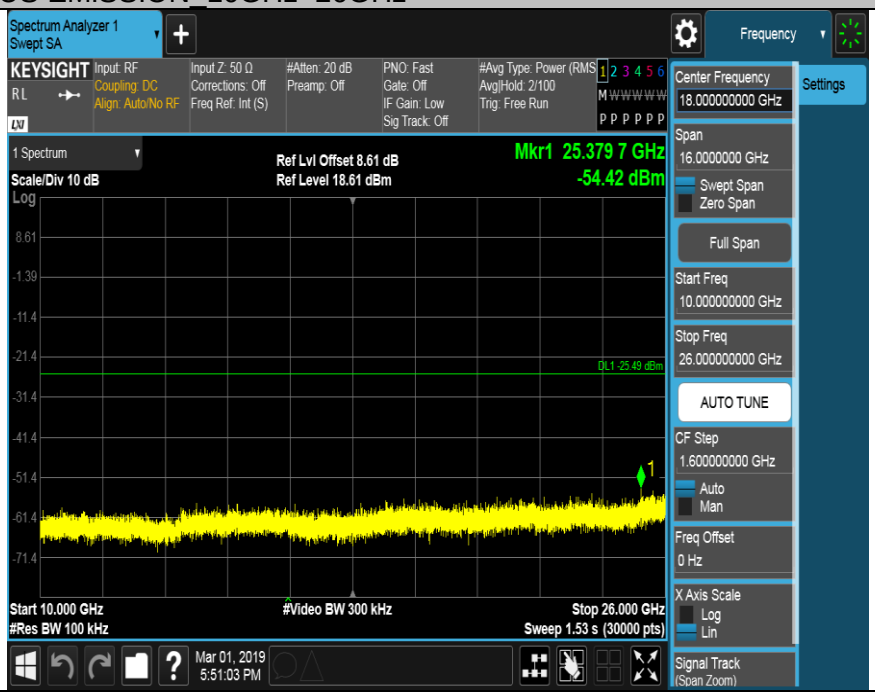


Puw test Plot

HCH SPURIOUS EMISSION_30MHz~10GHz



HCH SPURIOUS EMISSION_10GHz~26GHz



9. RADIATED TEST RESULTS

LIMITS

Please refer to CFR 47 FCC §15.205 and §15.209

Please refer to ISED RSS-GEN Clause 8.9 (Transmitter)

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

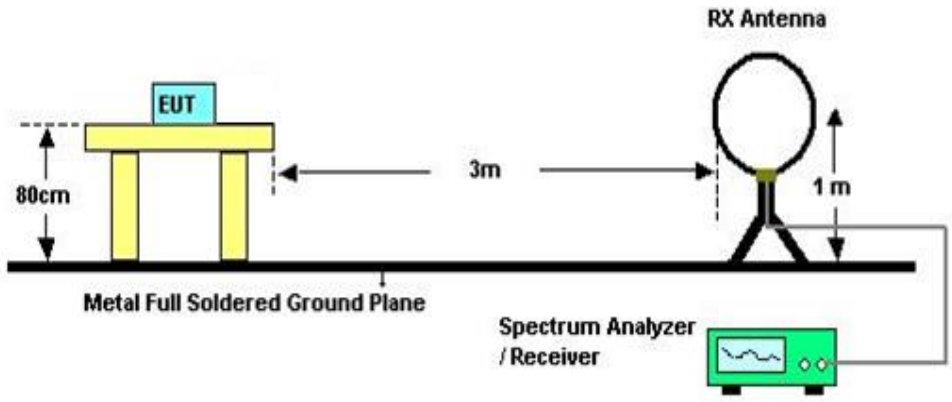
IC Restricted bands please refer to ISED RSS-GEN Clause 8.10
FCC Restricted bands of operation:

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: [1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
[2]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 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.

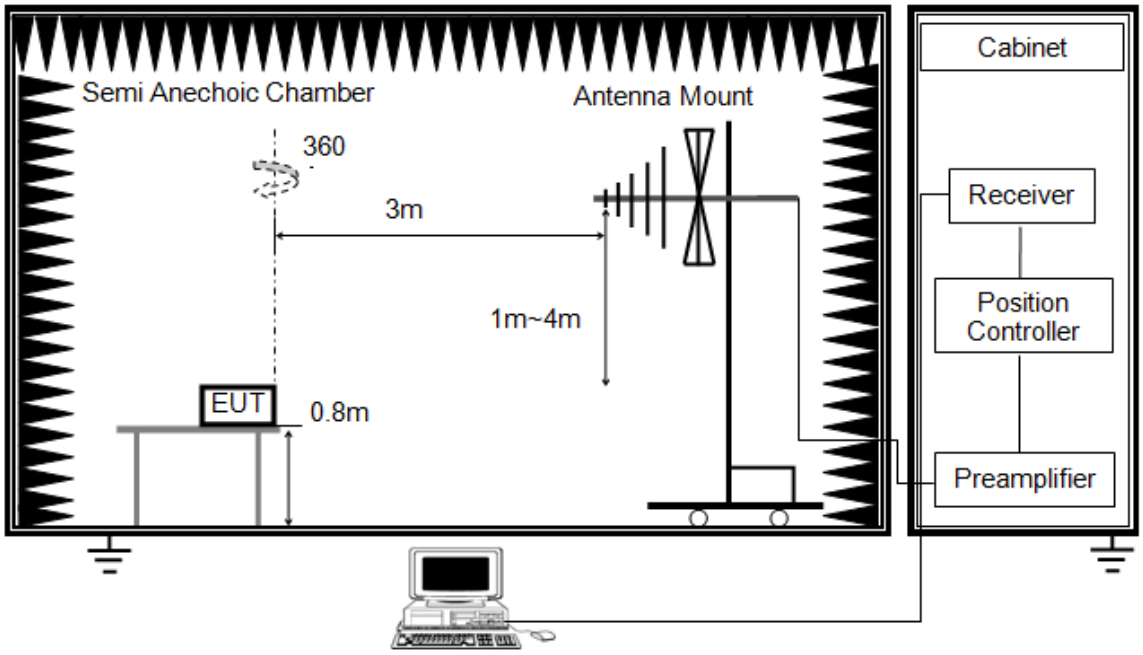
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

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)

7. Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

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.

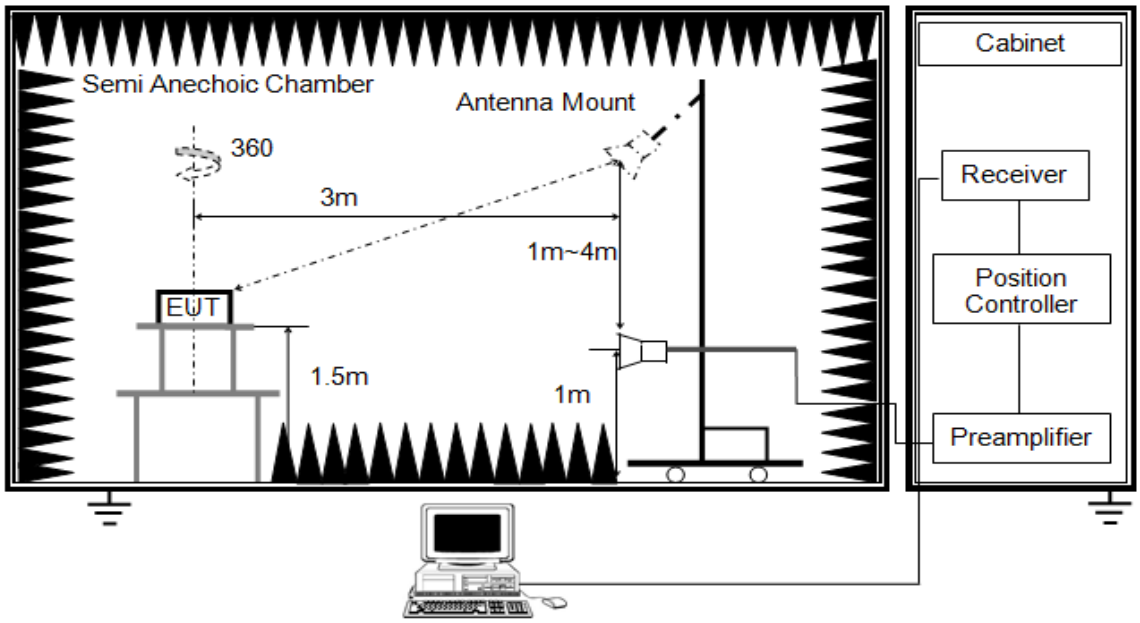
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations 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.

ABOVE 1G



The setting of the spectrum analyser

RBW	1M
VBW	PEAK: 3M AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

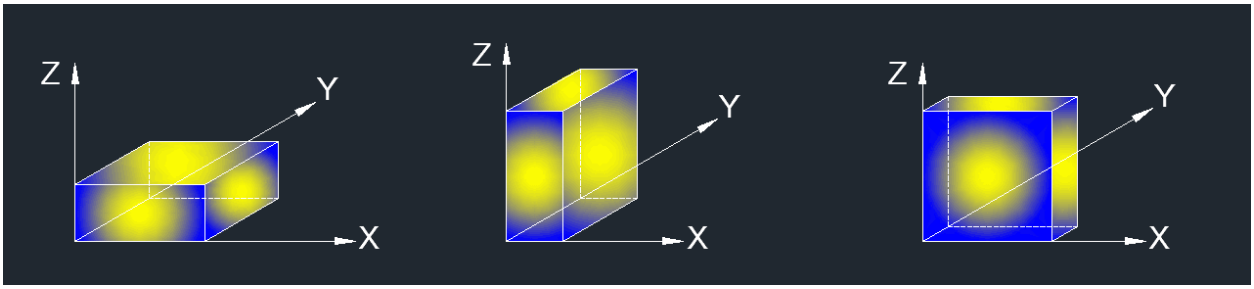
3. The EUT was placed on a turntable with 1.5m above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 8.1. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: 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.

Note 2: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

TEST ENVIRONMENT

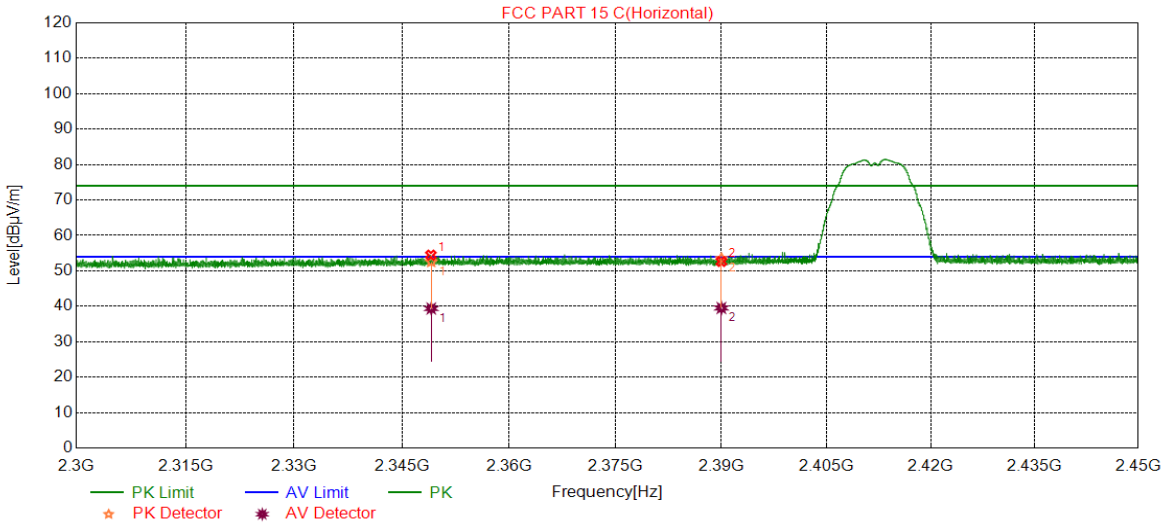
Temperature	25°C	Relative Humidity	58 %
Atmosphere Pressure	101 kPa	Test Voltage	AC 120 V

9.1. RESTRICTED BANDEDGE

9.1.1. 802.11b MODE

RESTRICTED BANDEDGE (LOW CHANNEL)

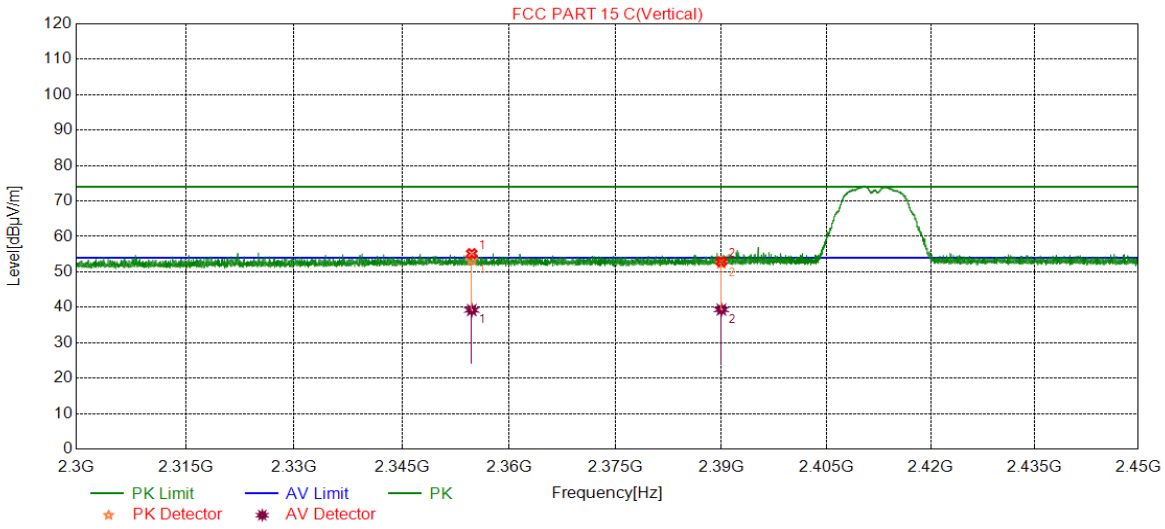
Test Mode	Channel	Polarization	Verdict
11B SISO	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2349.0898	52.54	74.00	-21.46	Peak
		39.37	54.00	-14.63	Average
2	2390.0000	53.48	74.00	-20.52	Peak
		39.52	54.00	-14.48	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. AVG: VBW=10 Hz.
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 SISO	LCH	Vertical	PASS

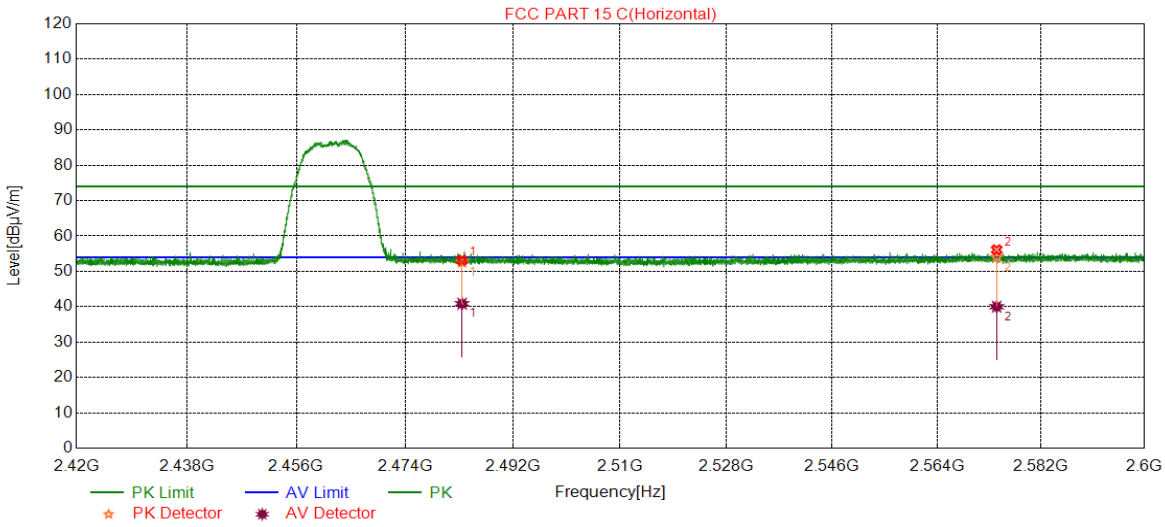


No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2354.7555	53.39	74.00	-20.61	Peak
		39.22	54.00	-14.78	Average
2	2390.0000	52.41	74.00	-21.59	Peak
		39.35	54.00	-14.65	Average

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. AVG: VBW=10 Hz.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL)

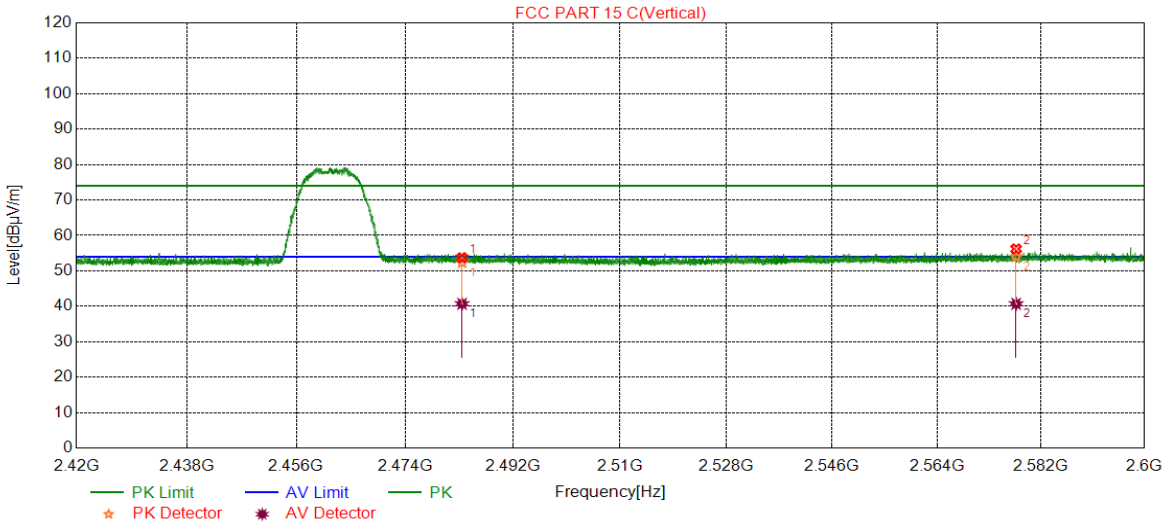
Test Mode	Channel	Polarization	Verdict
11B SISO	HCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.5000	52.54	74.00	-21.46	Peak
		40.85	54.00	-13.15	Average
2	2574.2934	53.98	74.00	-20.02	Peak
		40.01	54.00	-13.99	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. AVG: VBW=10 Hz.
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 SISO	HCH	Vertical	PASS



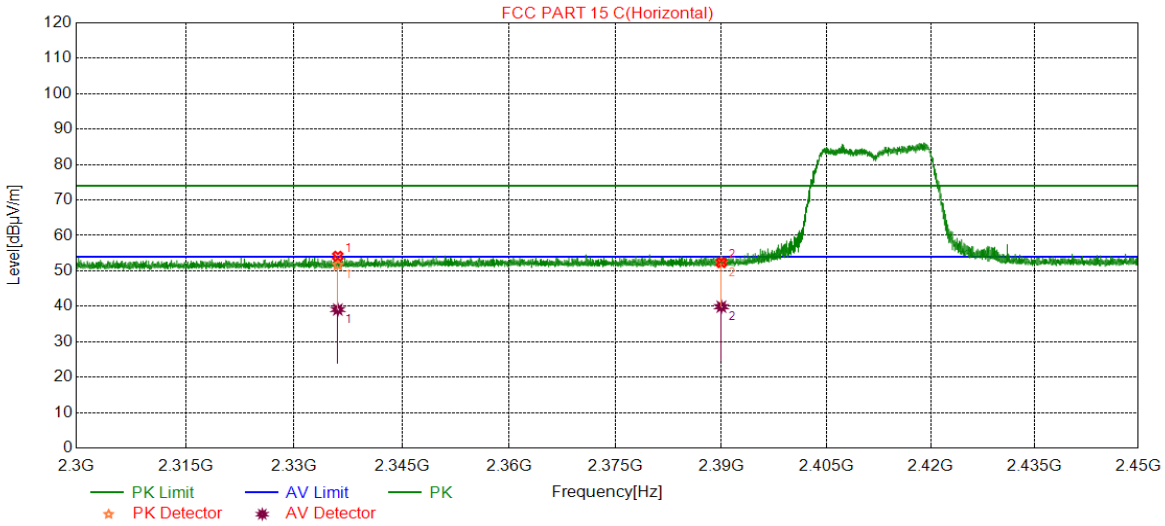
No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.5000	52.32	74.00	-21.68	Peak
		40.70	54.00	-13.30	Average
2	2577.6598	53.95	74.00	-20.05	Peak
		40.69	54.00	-13.31	Average

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. AVG: VBW=10 Hz.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9.1.2. 802.11g MODE

RESTRICTED BANDEDGE (LOW CHANNEL)

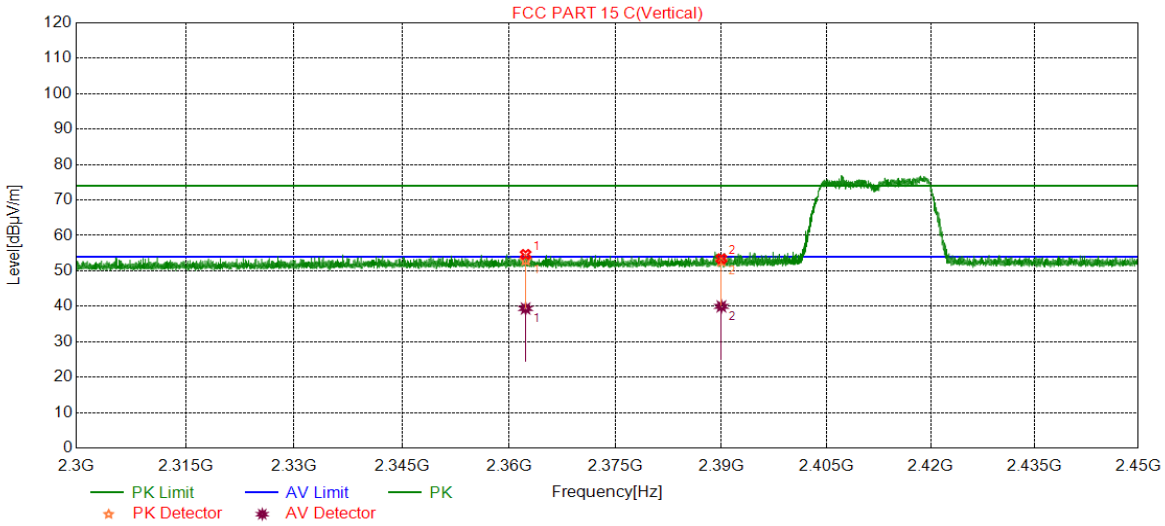
Test Mode	Channel	Polarization	Verdict
11G SISO	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2336.0636	51.63	74.00	-22.37	Peak
		39.08	54.00	-14.92	Average
2	2390.0000	52.29	74.00	-21.71	Peak
		39.89	54.00	-14.11	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. AVG: VBW=10 Hz.
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 SISO	LCH	Vertical	PASS

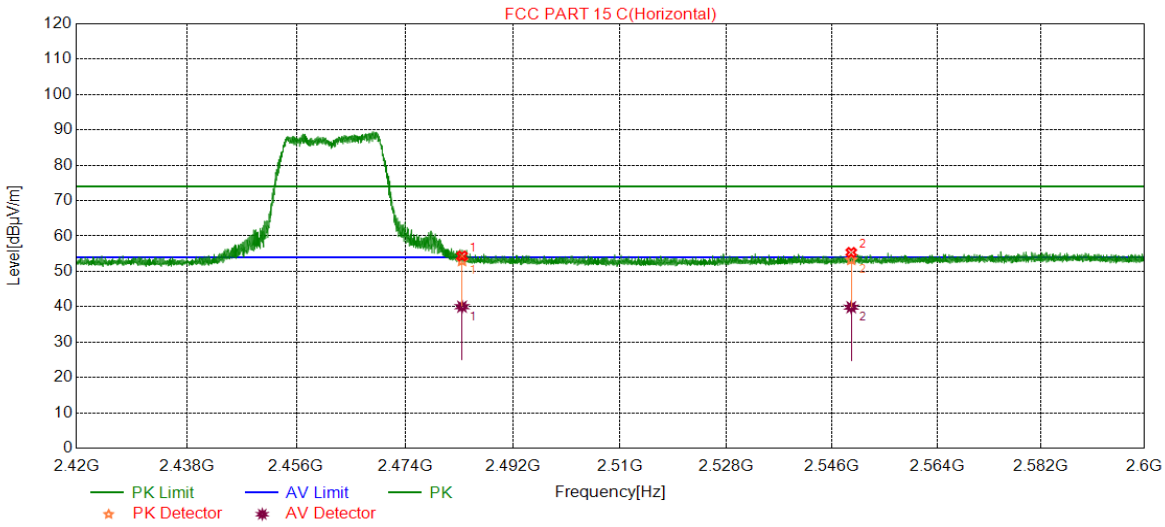


No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2362.3162	52.96	74.00	-21.04	Peak
		39.38	54.00	-14.62	Average
2	2390.0000	52.67	74.00	-21.33	Peak
		39.98	54.00	-14.02	Average

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. AVG: VBW=10 Hz.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL)

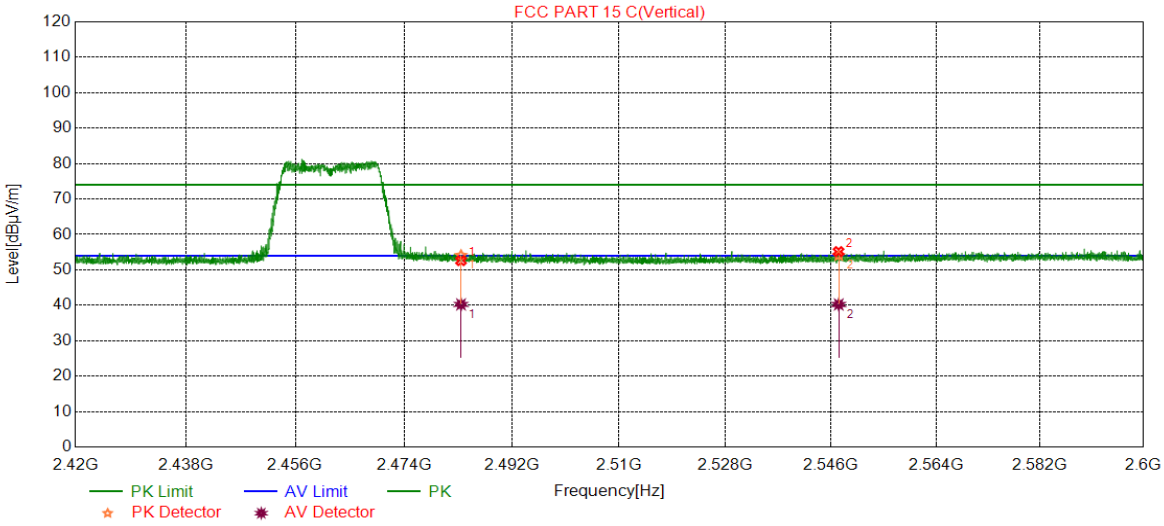
Test Mode	Channel	Polarization	Verdict
11G SISO	HCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.5000	52.96	74.00	-21.04	Peak
		40.01	54.00	-13.99	Average
2	2549.2709	53.27	74.00	-20.73	Peak
		39.86	54.00	-14.14	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. AVG: VBW=10 Hz.
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 SISO	HCH	Vertical	PASS



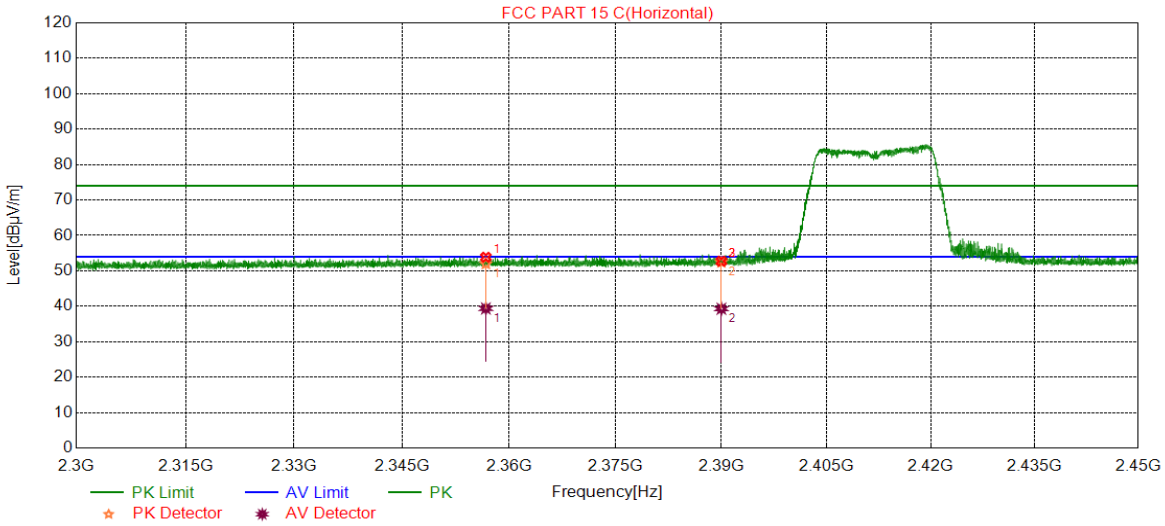
No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.5000	54.08	74.00	-19.92	Peak
		40.25	54.00	-13.75	Average
2	2547.3019	54.05	74.00	-19.95	Peak
		40.23	54.00	-13.77	Average

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. AVG: VBW=10 Hz.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9.1.3. 802.11n HT20 MODE

RESTRICTED BANDEDGE (LOW CHANNEL)

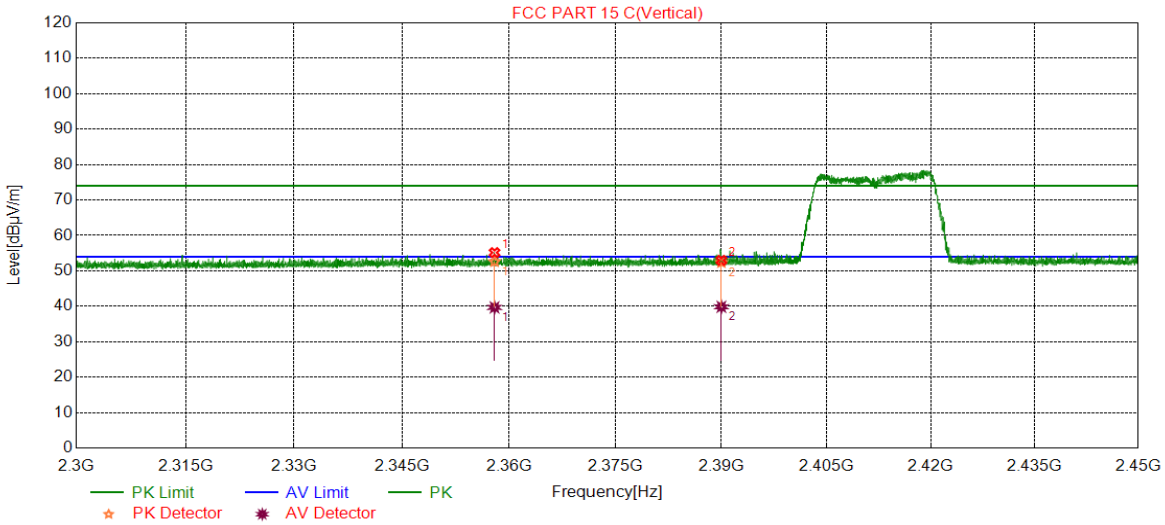
Test Mode	Channel	Polarization	Verdict
11N20SISO	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2356.7357	51.97	74.00	-22.03	Peak
		39.39	54.00	-14.61	Average
2	2390.0000	52.44	74.00	-21.56	Peak
		39.31	54.00	-14.69	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. AVG: VBW=10 Hz.
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
11N20SISO	LCH	Vertical	PASS

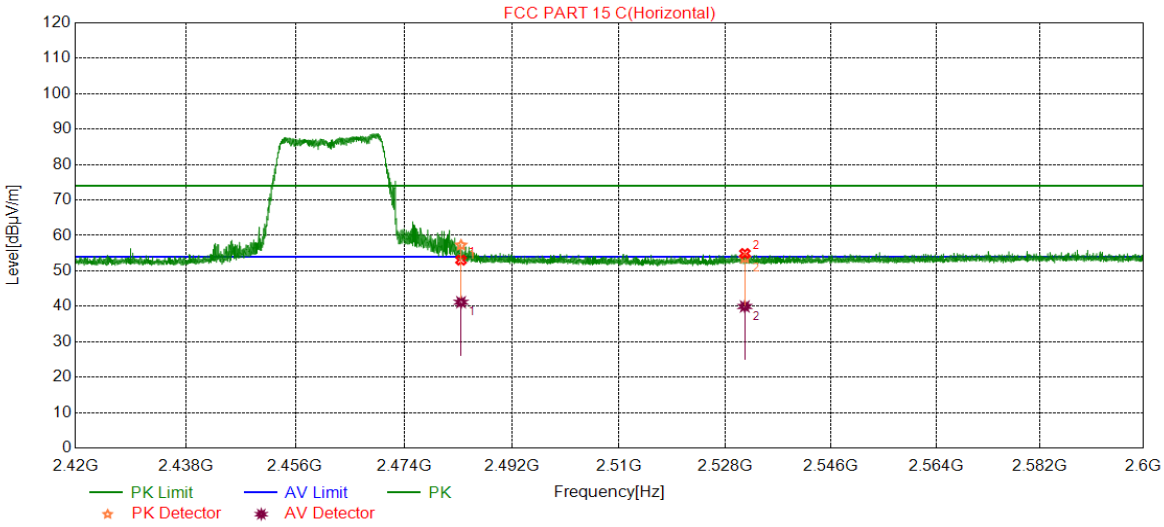


No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2357.9508	52.60	74.00	-21.40	Peak
		39.69	54.00	-14.31	Average
2	2390.0000	52.35	74.00	-21.65	Peak
		39.86	54.00	-14.14	Average

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. AVG: VBW=10 Hz.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL)

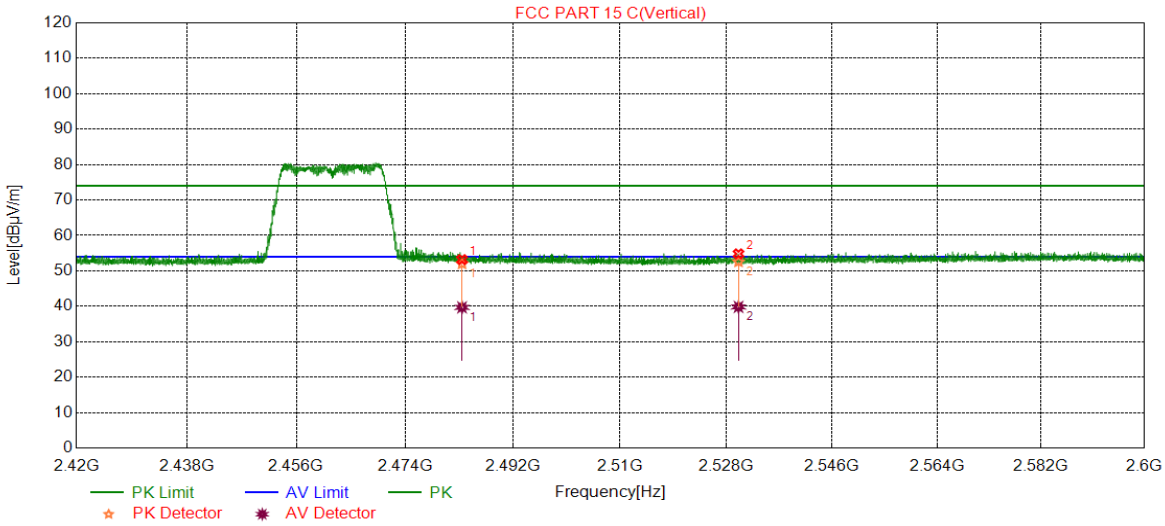
Test Mode	Channel	Polarization	Verdict
11N20SISO	HCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.5000	57.27	74.00	-16.73	Peak
		41.16	54.00	-12.84	Average
2	2531.2831	53.59	74.00	-20.41	Peak
		39.96	54.00	-14.04	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. AVG: VBW=10 Hz.
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
11N20SISO	HCH	Vertical	PASS



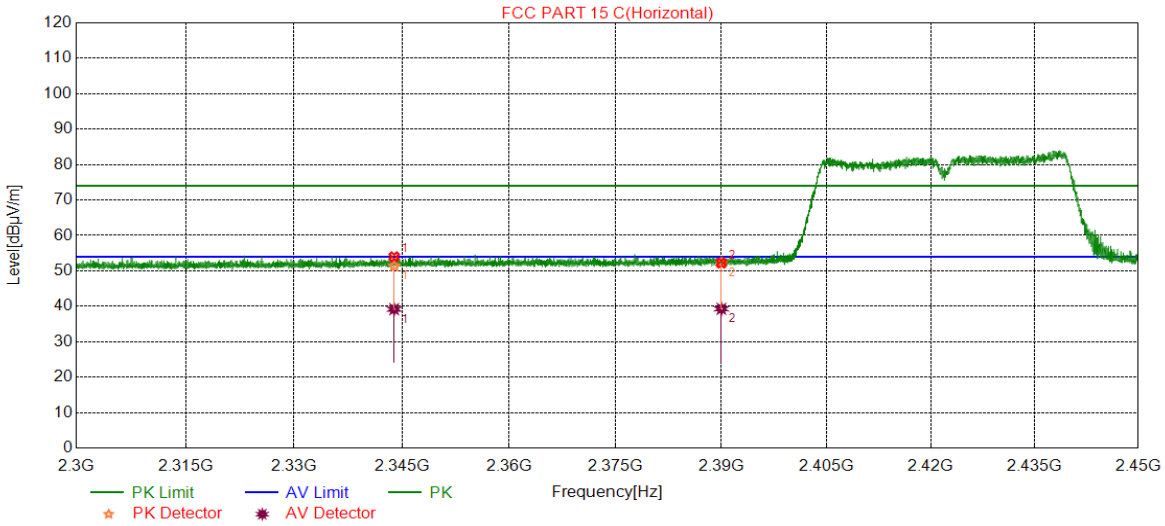
No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.5000	51.99	74.00	-22.01	Peak
		39.70	54.00	-14.30	Average
2	2530.0450	52.56	74.00	-21.44	Peak
		39.84	54.00	-14.16	Average

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. AVG: VBW=10 Hz.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9.1.4. 802.11n HT40 MODE

RESTRICTED BANDEDGE (LOW CHANNEL)

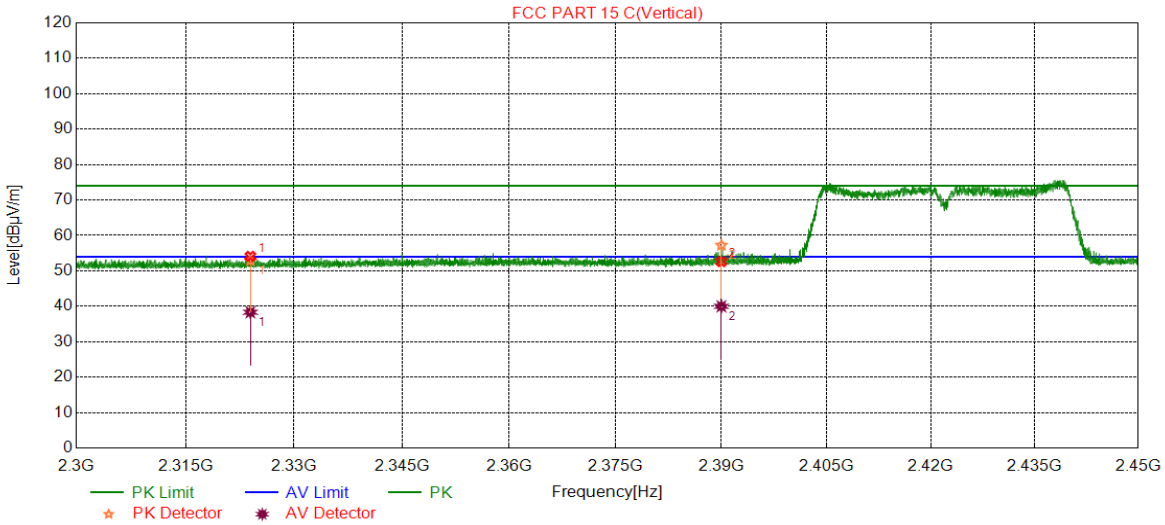
Test Mode	Channel	Polarization	Verdict
11N40SISO	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2343.9094	51.40	74.00	-22.60	Peak
		39.18	54.00	-14.82	Average
2	2390.0000	52.23	74.00	-21.77	Peak
		39.28	54.00	-14.72	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. AVG: VBW=10 Hz.
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
11N40SISO	LCH	Vertical	PASS

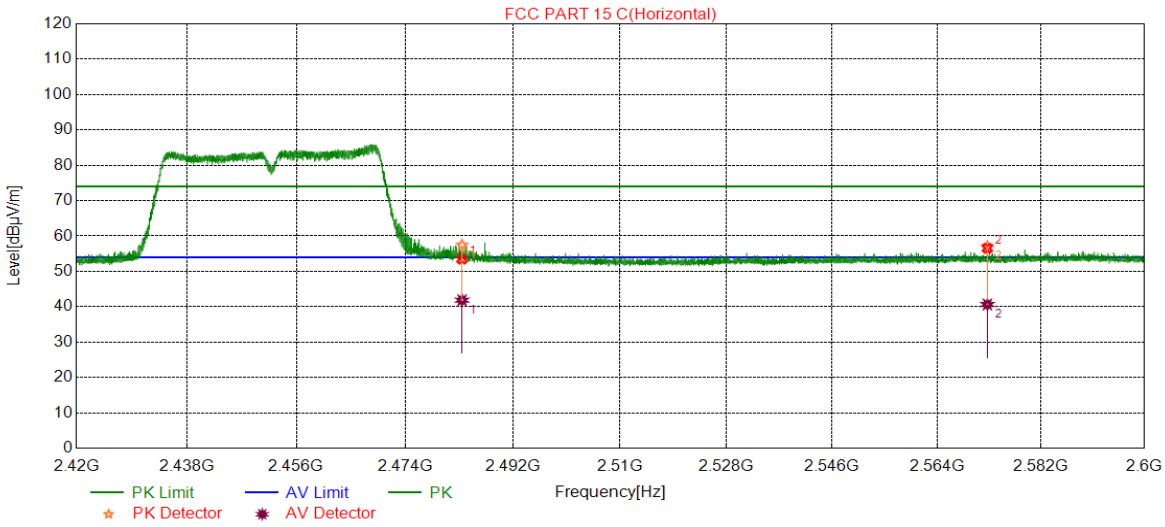


No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2323.9424	52.89	74.00	-21.11	Peak
		38.32	54.00	-15.68	Average
2	2390.0000	57.22	74.00	-16.78	Peak
		39.99	54.00	-14.01	Average

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. AVG: VBW=10 Hz.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL)

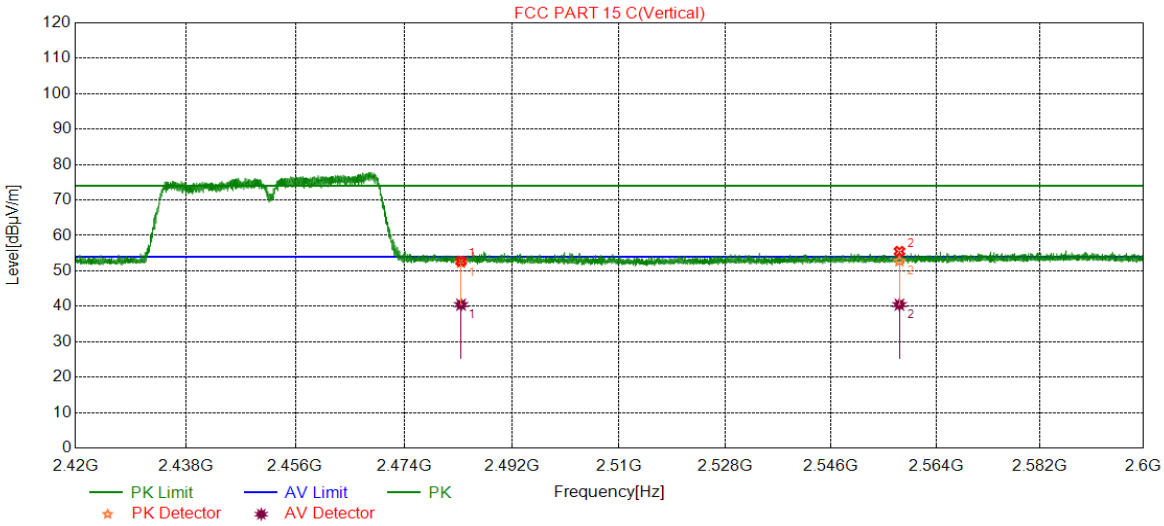
Test Mode	Channel	Polarization	Verdict
11N40SISO	HCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.5000	57.44	74.00	-16.56	Peak
		41.85	54.00	-12.15	Average
2	2572.6913	57.09	74.00	-22.91	Peak
		40.63	54.00	-13.37	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. AVG: VBW=10 Hz.
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
11N40SISO	HCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.5000	52.29	74.00	-21.71	Peak
		40.46	54.00	-13.54	Average
2	2557.7138	52.73	74.00	-21.27	Peak
		40.46	54.00	-13.54	Average

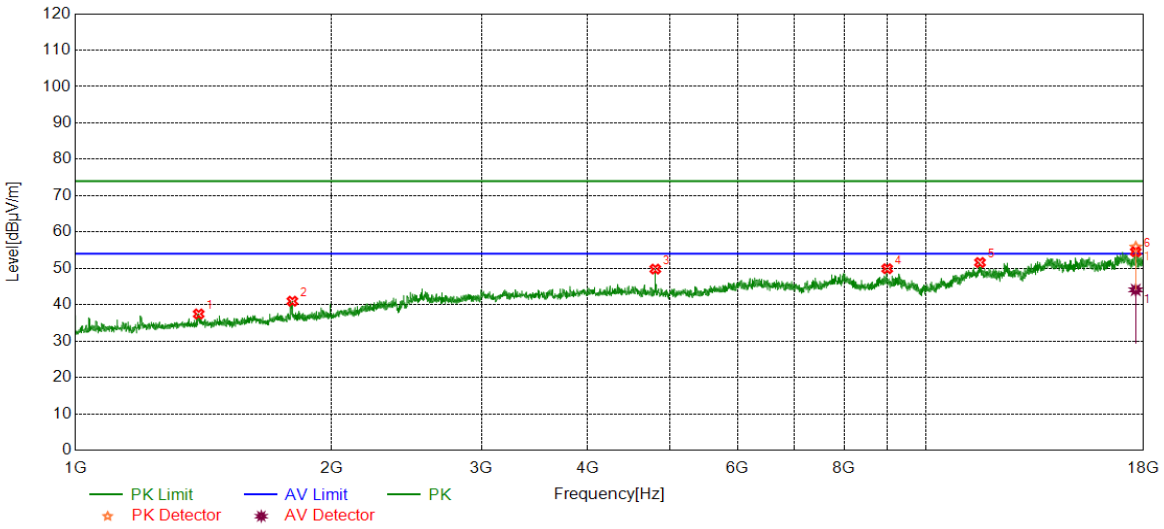
Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. AVG: VBW=10 Hz.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9.2. SPURIOUS EMISSIONS (1~18GHz)

9.2.1. 802.11b MODE

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL)

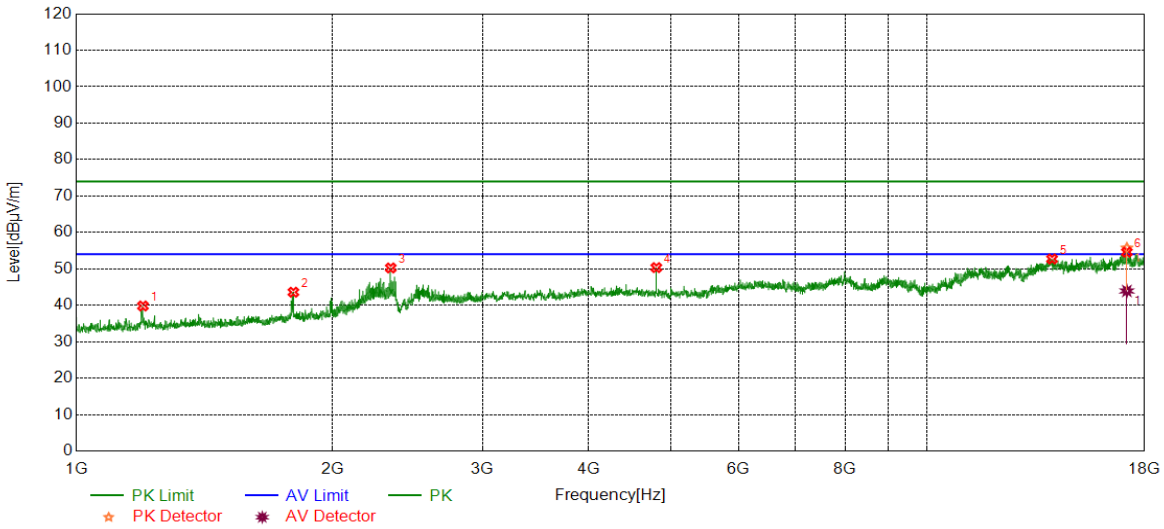
Test Mode	Channel	Polarization	Verdict
11B SISO	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1396.1320	37.46	74.00	-36.54	--	--	Peak
2	1798.9330	40.97	74.00	-33.03	--	--	Peak
3	4802.8005	49.80	74.00	-24.20	--	--	Peak
4	8993.4989	49.90	74.00	-24.10	--	--	Peak
5	11561.4269	51.61	74.00	-22.39	--	--	Peak
6	17619.9367	55.85	74.00	-18.15	--	--	Peak
		44.09	--	--	54.00	-9.91	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. AVG: VBW=10Hz.
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

Test Mode	Channel	Polarization	Verdict
11B SISO	LCH	Vertical	PASS

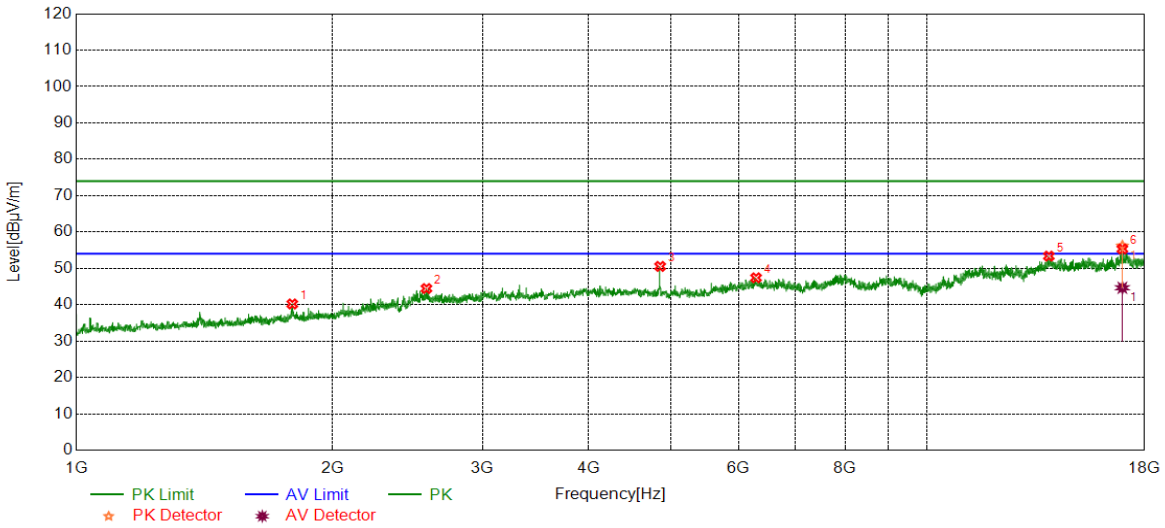


No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1197.3991	39.81	74.00	-34.19	--	--	Peak
2	1798.9330	43.60	74.00	-30.40	--	--	Peak
3	2341.1137	50.25	74.00	-23.75	--	--	Peak
4	4802.8005	50.34	74.00	-23.66	--	--	Peak
5	14011.8353	52.71	74.00	-21.29	--	--	Peak
6	17154.8591	55.71	74.00	-18.29	--	--	Peak
		43.94	--	--	54.00	-10.06	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. AVG: VBW=10Hz.
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL)

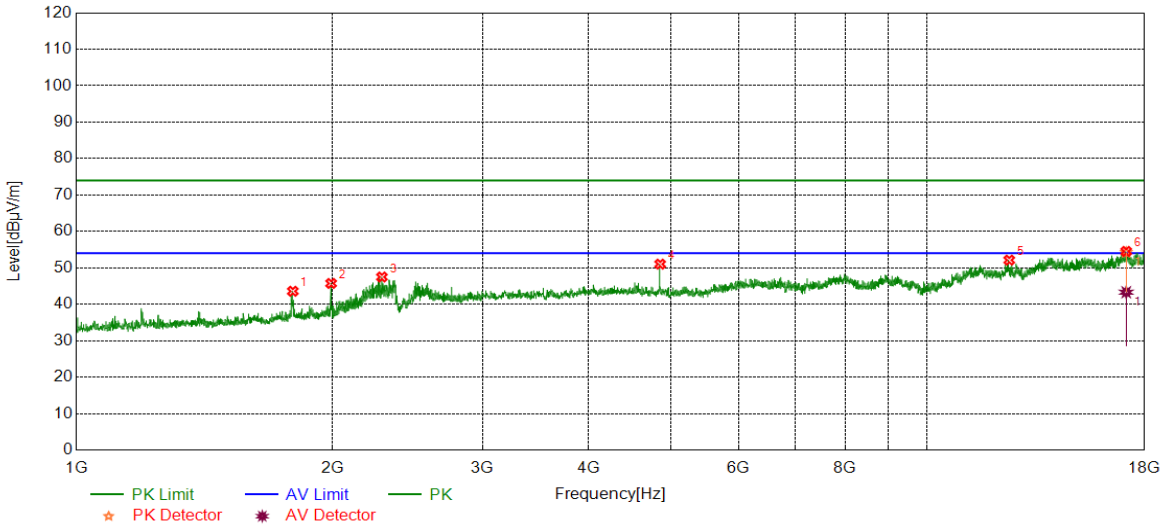
Test Mode	Channel	Polarization	Verdict
11B SISO	MCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1793.5979	40.21	74.00	-33.79	--	--	Peak
2	2578.5262	44.46	74.00	-29.54	--	--	Peak
3	4852.8088	50.54	74.00	-23.46	--	--	Peak
4	6290.5484	47.41	74.00	-26.59	--	--	Peak
5	13891.8153	53.37	74.00	-20.63	--	--	Peak
6	16947.3246	56.16	74.00	-17.84	--	--	Peak
		44.66	--	--	54.00	-9.34	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. AVG: VBW=10Hz.
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

Test Mode	Channel	Polarization	Verdict
11B SISO	MCH	Vertical	PASS

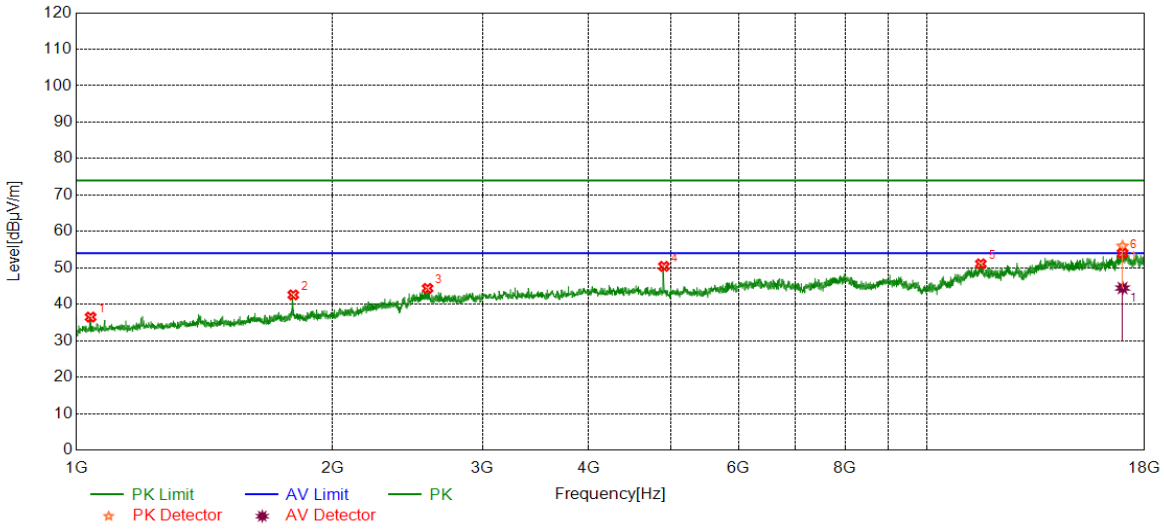


No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1796.2654	43.58	74.00	-30.42	--	--	Peak
2	1992.3308	45.73	74.00	-28.27	--	--	Peak
3	2285.7619	47.50	74.00	-26.50	--	--	Peak
4	4852.8088	51.03	74.00	-22.97	--	--	Peak
5	12479.0798	52.13	74.00	-21.87	--	--	Peak
6	17124.8541	54.24	74.00	-19.76	--	--	Peak
		43.31	--	--	54.00	-10.69	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. AVG: VBW=10Hz.
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL)

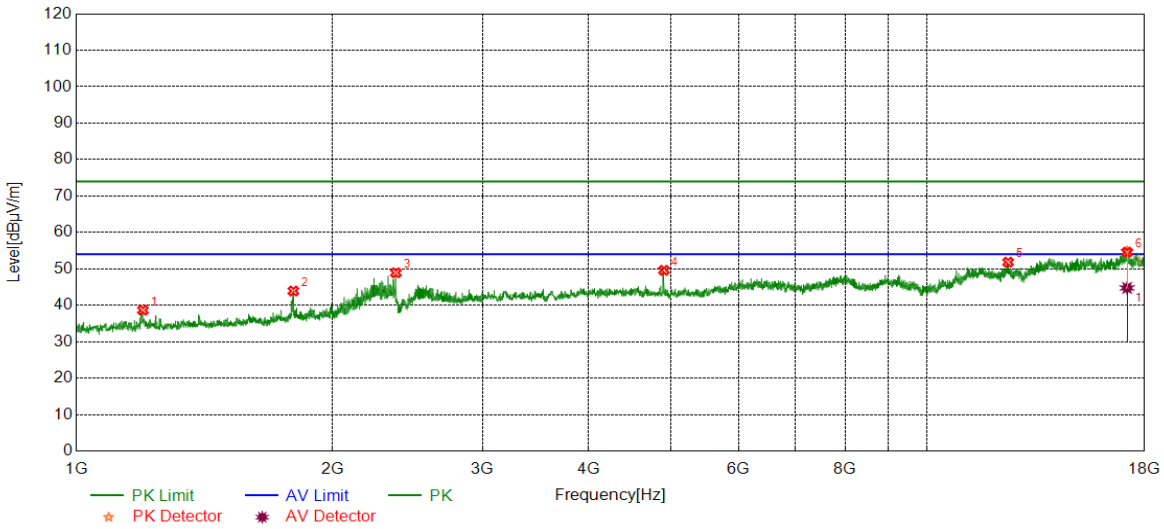
Test Mode	Channel	Polarization	Verdict
11B SISO	HCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1039.3464	36.49	74.00	-37.51	--	--	Peak
2	1798.2661	42.58	74.00	-31.42	--	--	Peak
3	2586.5288	44.36	74.00	-29.64	--	--	Peak
4	4902.8171	50.41	74.00	-23.59	--	--	Peak
5	11556.4261	51.10	74.00	-22.90	--	--	Peak
6	16957.3262	55.99	74.00	-18.01	--	--	Peak
		44.47	--	--	54.00	-9.53	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. AVG: VBW=10Hz.
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

Test Mode	Channel	Polarization	Verdict
11B SISO	HCH	Vertical	PASS



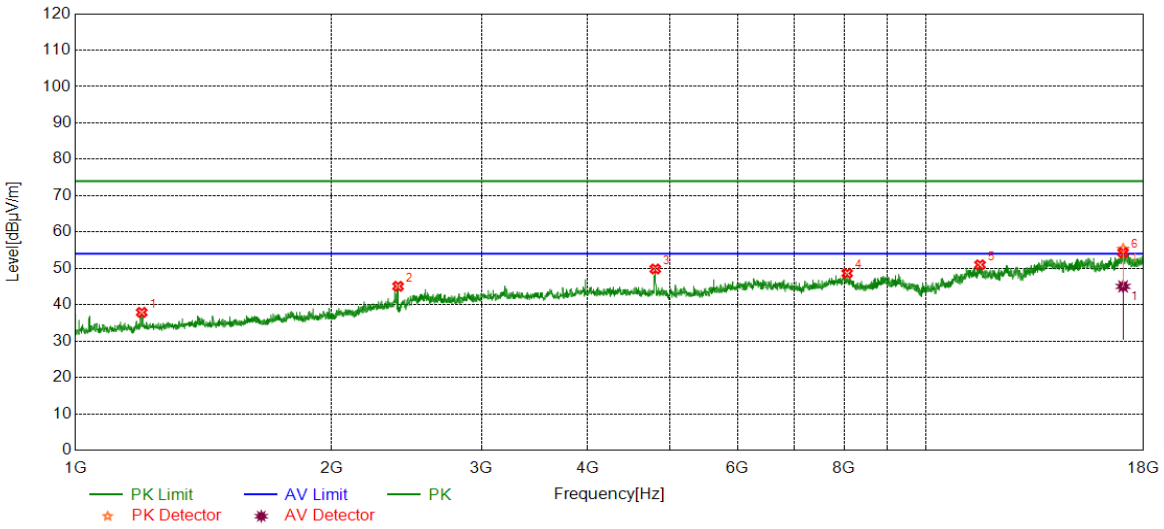
No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1197.3991	38.65	74.00	-35.35	--	--	Peak
2	1798.9330	43.93	74.00	-30.07	--	--	Peak
3	2373.7913	48.92	74.00	-25.08	--	--	Peak
4	4902.8171	49.60	74.00	-24.40	--	--	Peak
5	12441.5736	51.83	74.00	-22.17	--	--	Peak
6	17167.3612	54.69	74.00	-19.31	--	--	Peak
		44.77	--	--	54.00	-9.23	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. AVG: VBW=10Hz.
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

9.2.2. 802.11g MODE

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL)

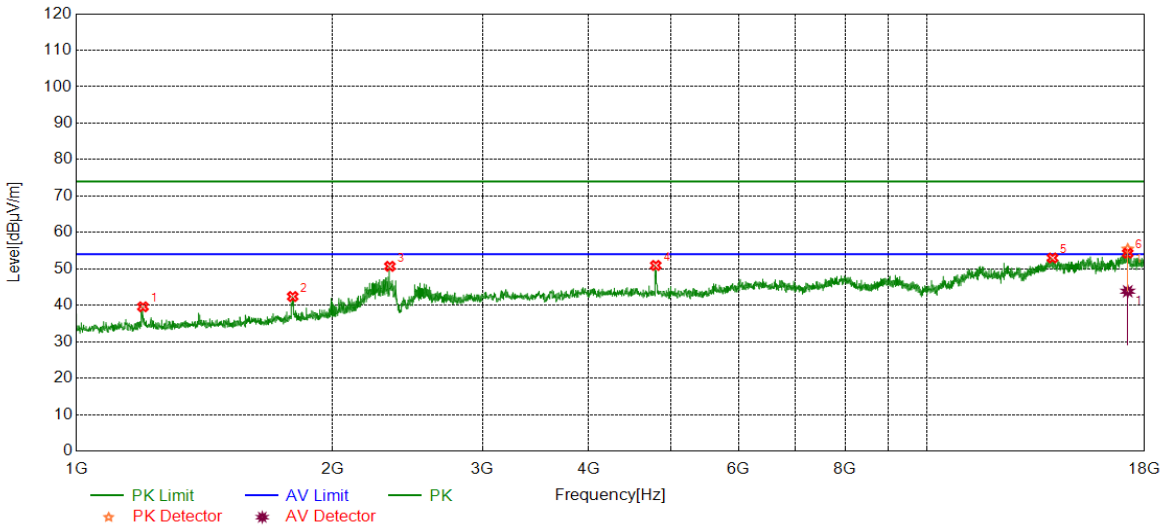
Test Mode	Channel	Polarization	Verdict
11G SISO	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1196.7322	37.89	74.00	-36.11	--	--	Peak
2	2394.4648	45.07	74.00	-28.93	--	--	Peak
3	4802.8005	49.83	74.00	-24.17	--	--	Peak
4	8070.8451	48.65	74.00	-25.35	--	--	Peak
5	11561.4269	50.98	74.00	-23.02	--	--	Peak
6	17027.3379	55.29	74.00	-18.71	--	--	Peak
		45.04	--	--	54.00	-8.96	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. AVG: VBW=10Hz.
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

Test Mode	Channel	Polarization	Verdict
11G SISO	LCH	Vertical	PASS

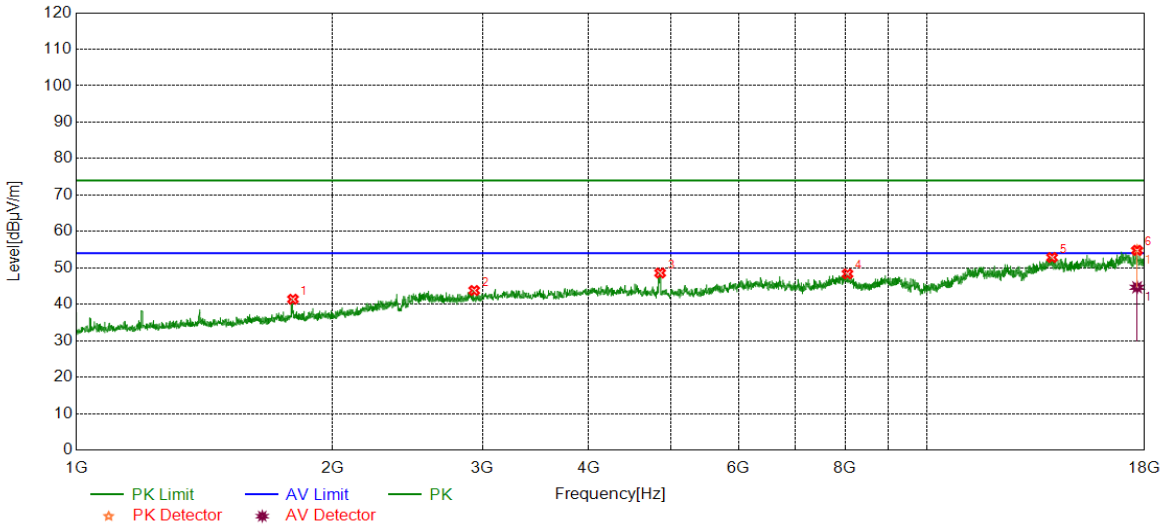


No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1197.3991	39.59	74.00	-34.41	--	--	Peak
2	1795.5985	42.40	74.00	-31.60	--	--	Peak
3	2335.7786	50.69	74.00	-23.31	--	--	Peak
4	4795.2992	50.94	74.00	-23.06	--	--	Peak
5	14029.3382	53.00	74.00	-21.00	--	--	Peak
6	17194.8658	55.42	74.00	-18.58	--	--	Peak
		43.85	--	--	54.00	-10.15	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. AVG: VBW=10Hz.
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL)

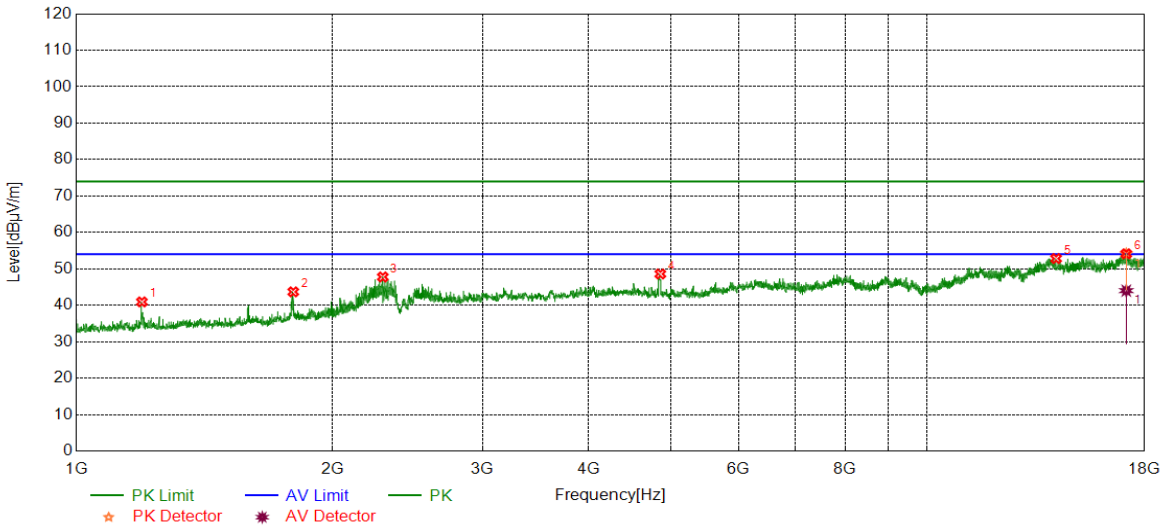
Test Mode	Channel	Polarization	Verdict
11G SISO	MCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1796.9323	41.39	74.00	-32.61	--	--	Peak
2	2933.9780	43.79	74.00	-30.21	--	--	Peak
3	4852.8088	48.59	74.00	-25.41	--	--	Peak
4	8055.8426	48.35	74.00	-25.65	--	--	Peak
5	14011.8353	52.85	74.00	-21.15	--	--	Peak
6	17637.4396	54.83	74.00	-19.17	--	--	Peak
		44.67	--	--	54.00	-9.33	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. AVG: VBW=10Hz.
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

Test Mode	Channel	Polarization	Verdict
11G SISO	MCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1194.0647	40.93	74.00	-33.07	--	--	Peak
2	1798.2661	43.69	74.00	-30.31	--	--	Peak
3	2291.0970	47.78	74.00	-26.22	--	--	Peak
4	4855.3092	48.60	74.00	-25.40	--	--	Peak
5	14166.8611	52.83	74.00	-21.17	--	--	Peak
6	17127.3546	54.11	74.00	-19.89	--	--	Peak
		44.02	--	--	54.00	-9.98	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. AVG: VBW=10Hz.
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.