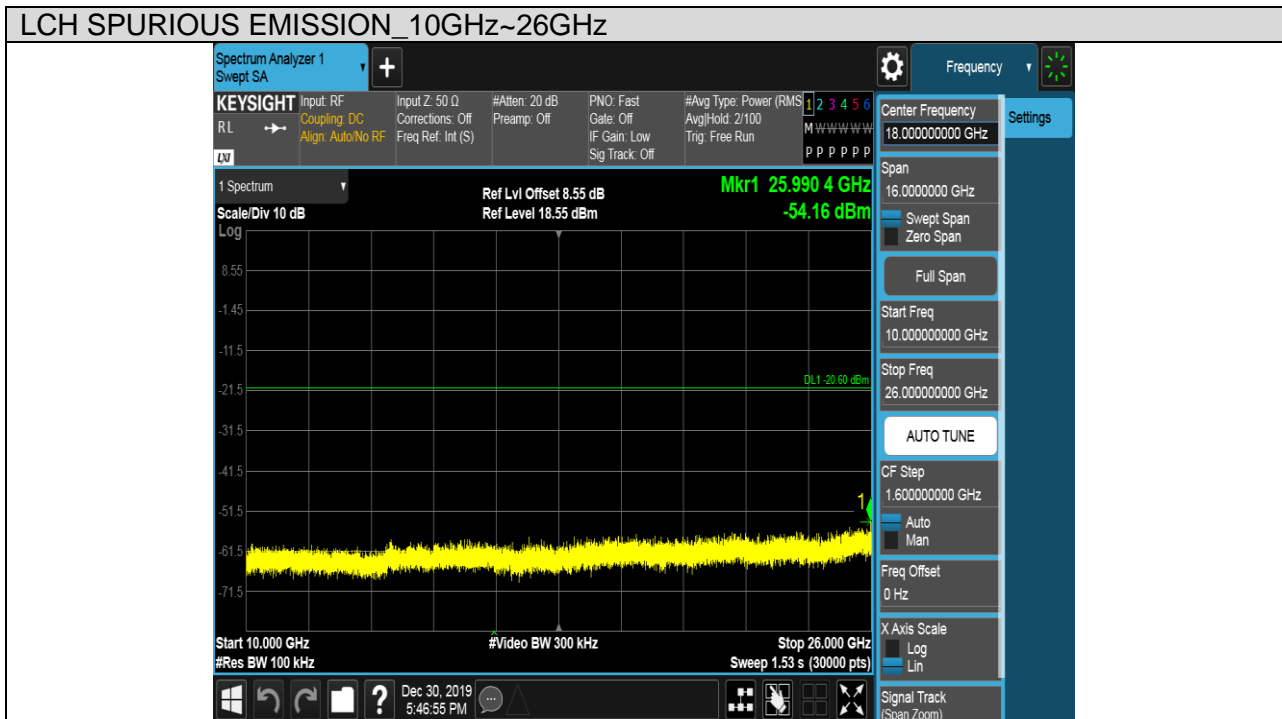
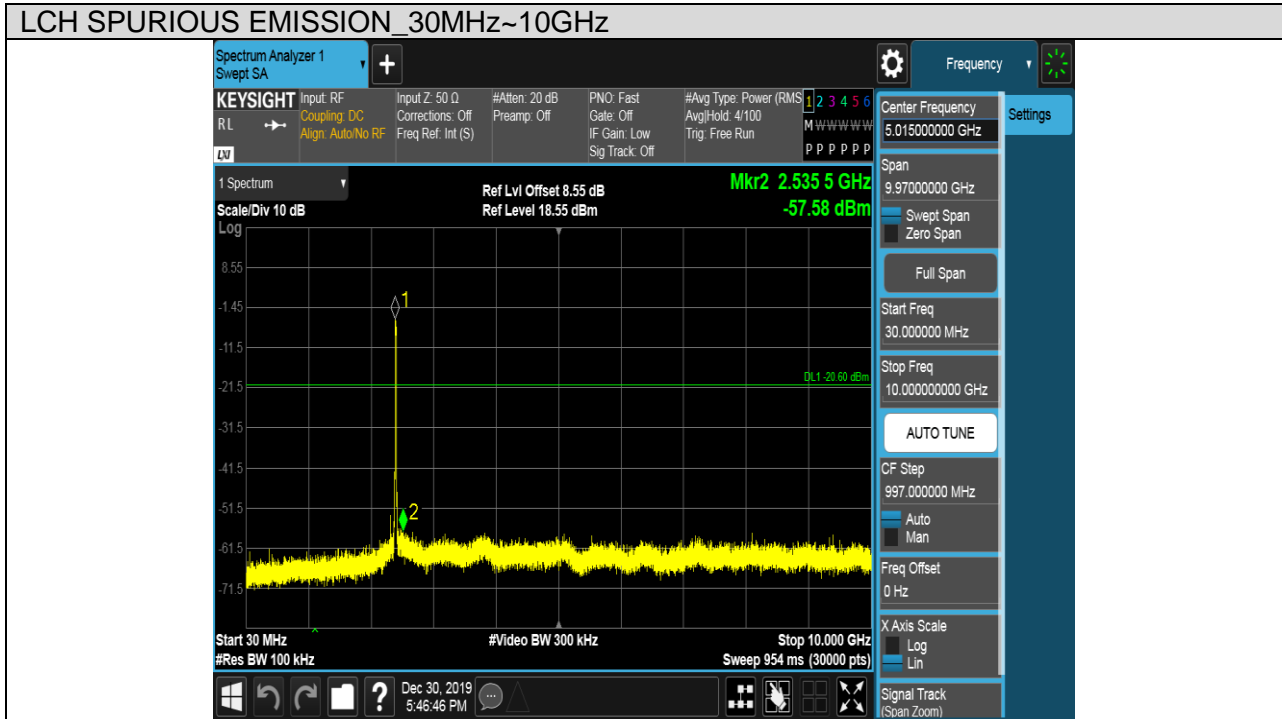




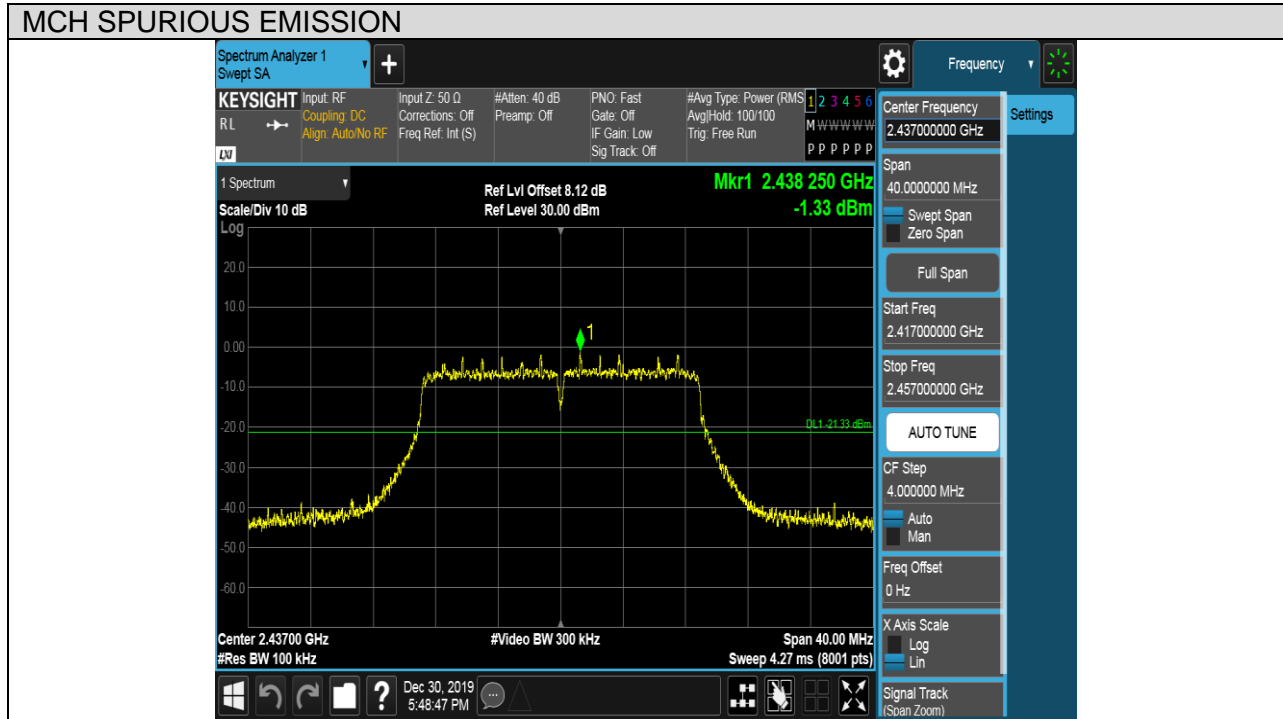
Puw test Plot





Test Mode	Channel	Verdict
11n HT20	MCH	PASS

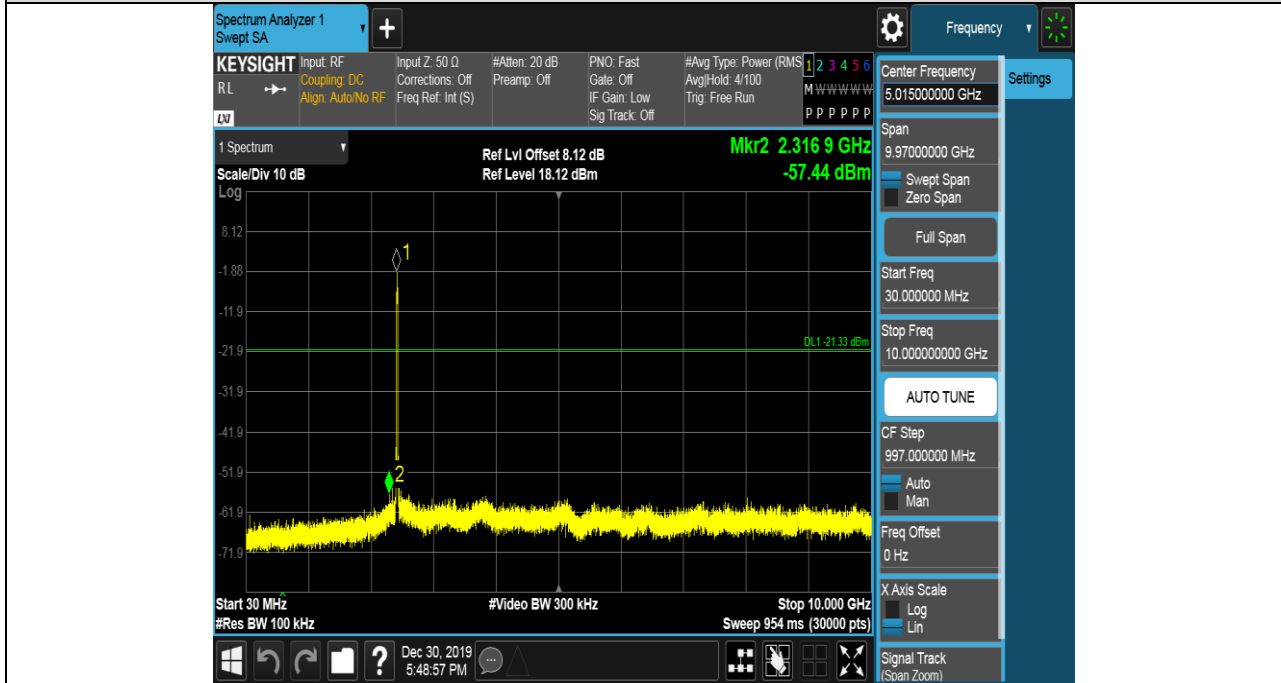
Pref test Plot



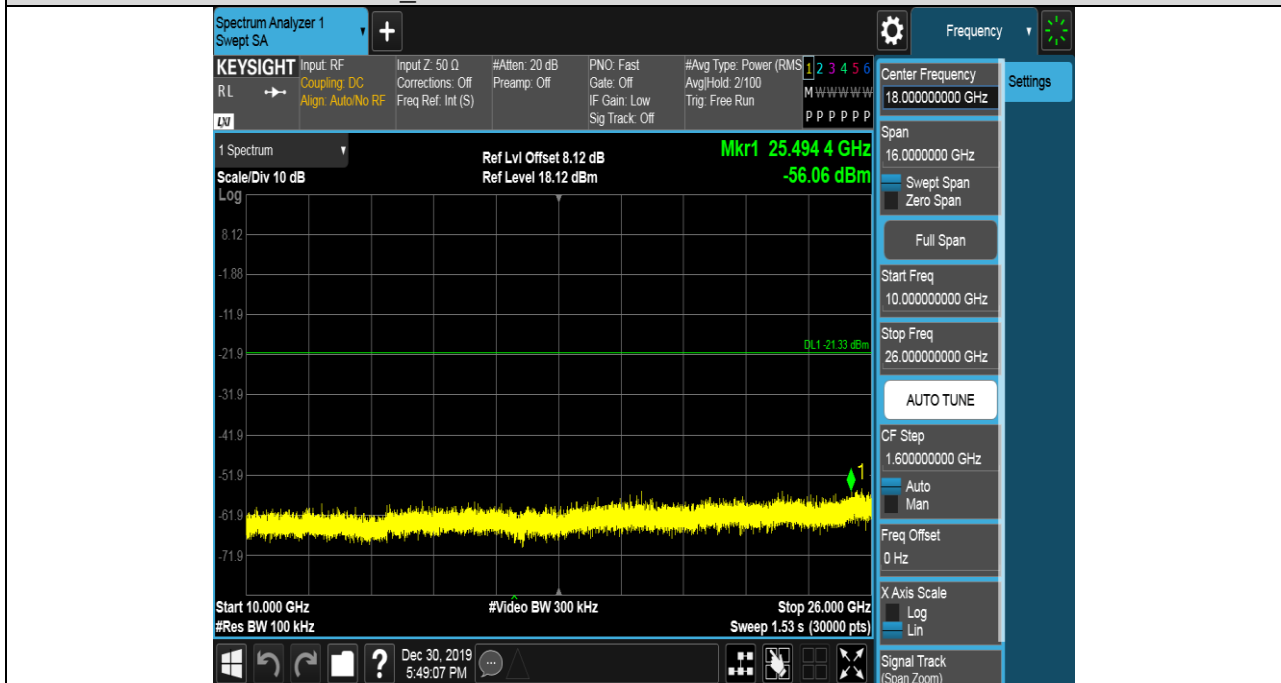


Puw test Plot

MCH SPURIOUS EMISSION_30MHz~10GHz



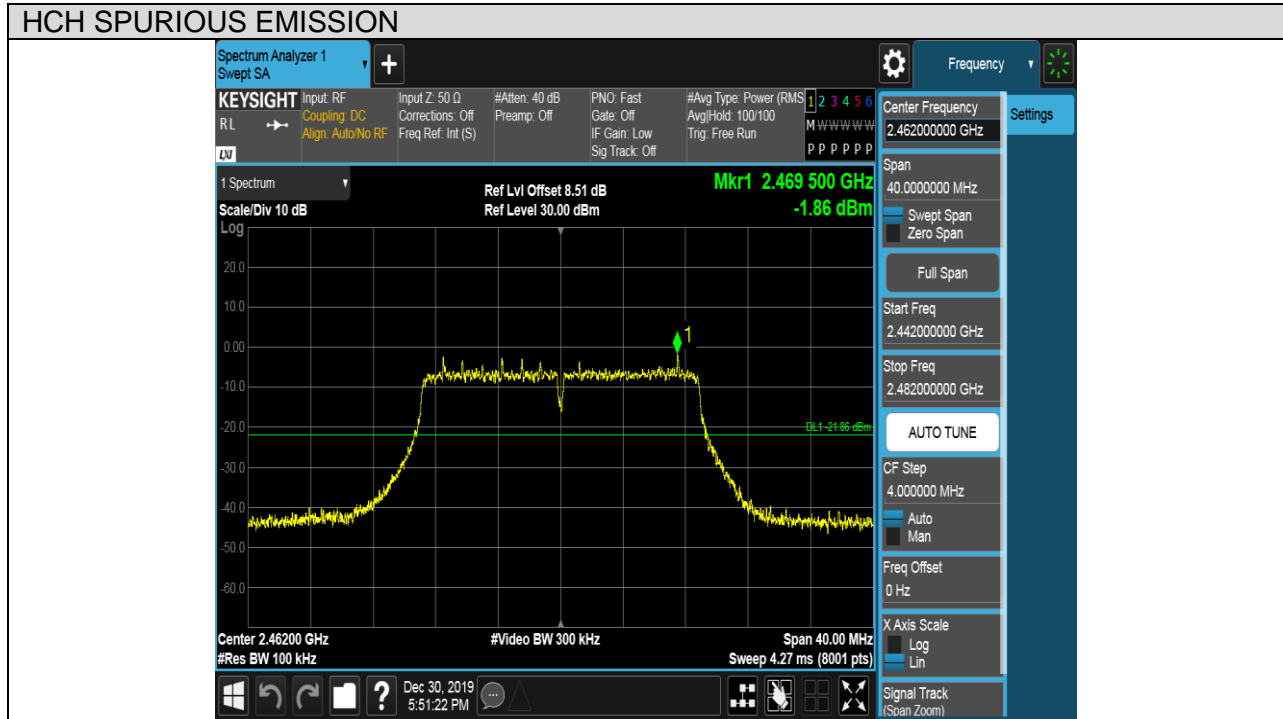
MCH SPURIOUS EMISSION_10GHz~26GHz





Test Mode	Channel	Verdict
11n HT20	HCH	PASS

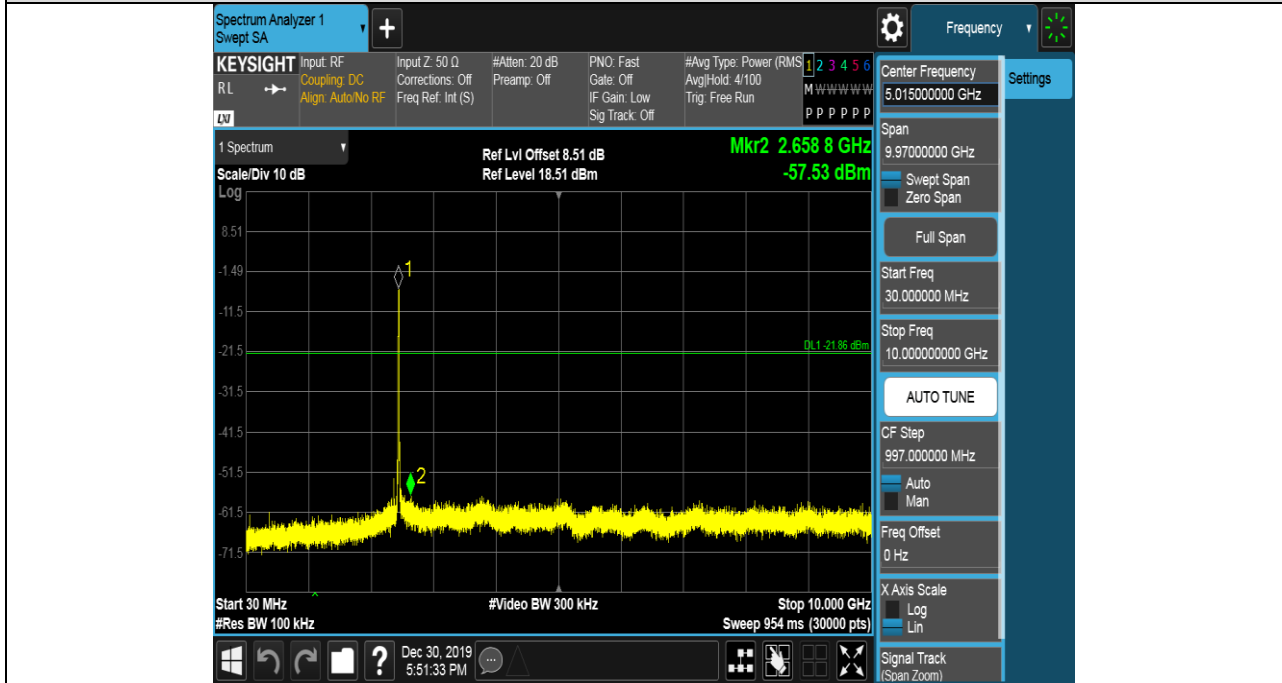
Pref test Plot



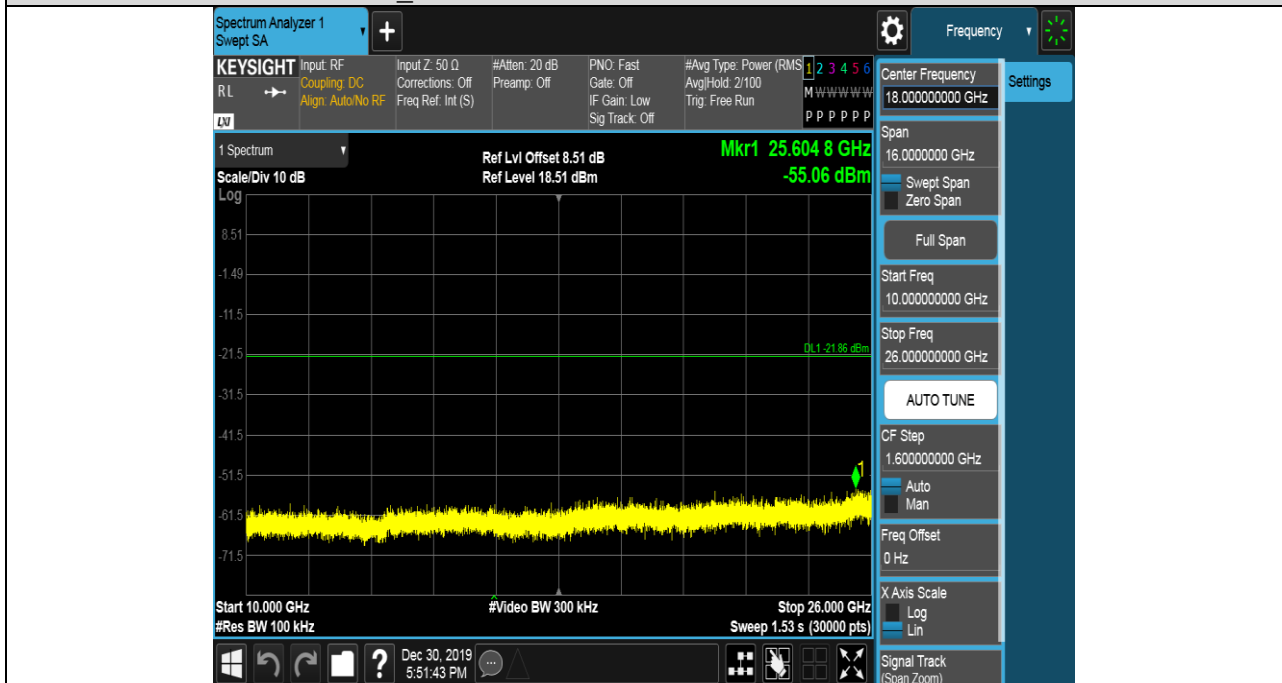


Puw test Plot

HCH SPURIOUS EMISSION_30MHz~10GHz



HCH SPURIOUS EMISSION_10GHz~26GHz





Test Mode	Channel	Verdict
11n HT40	LCH	PASS

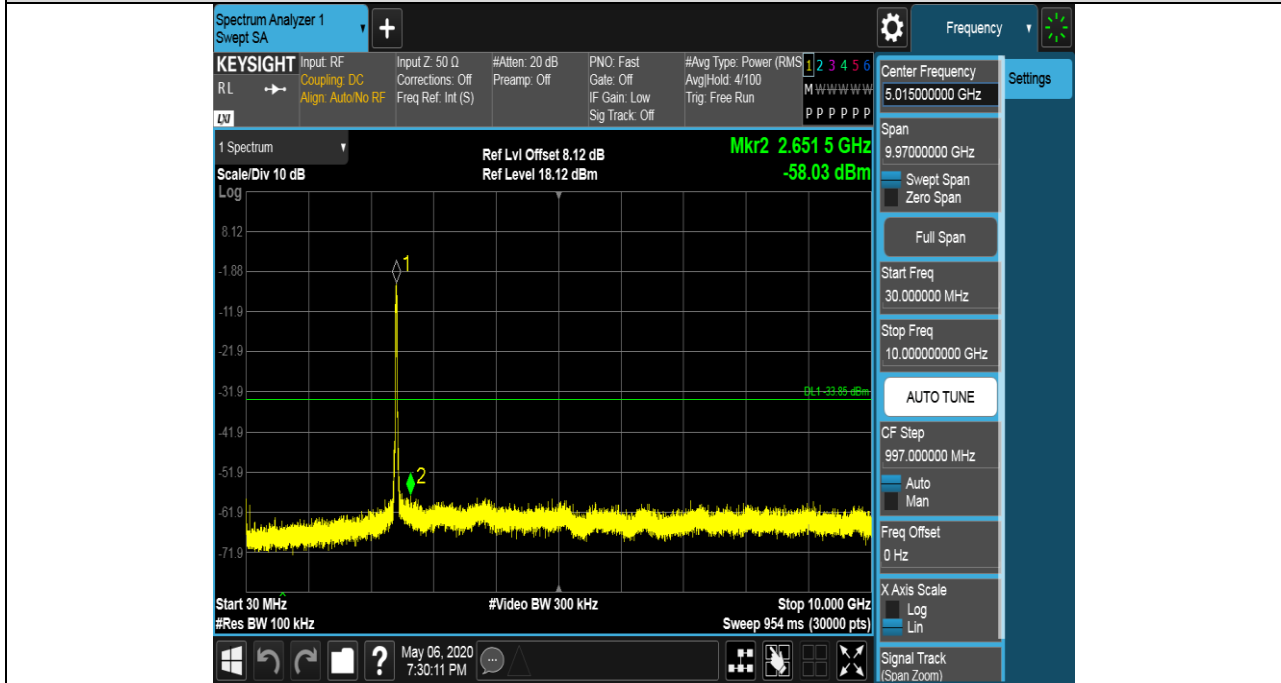
Pref test Plot



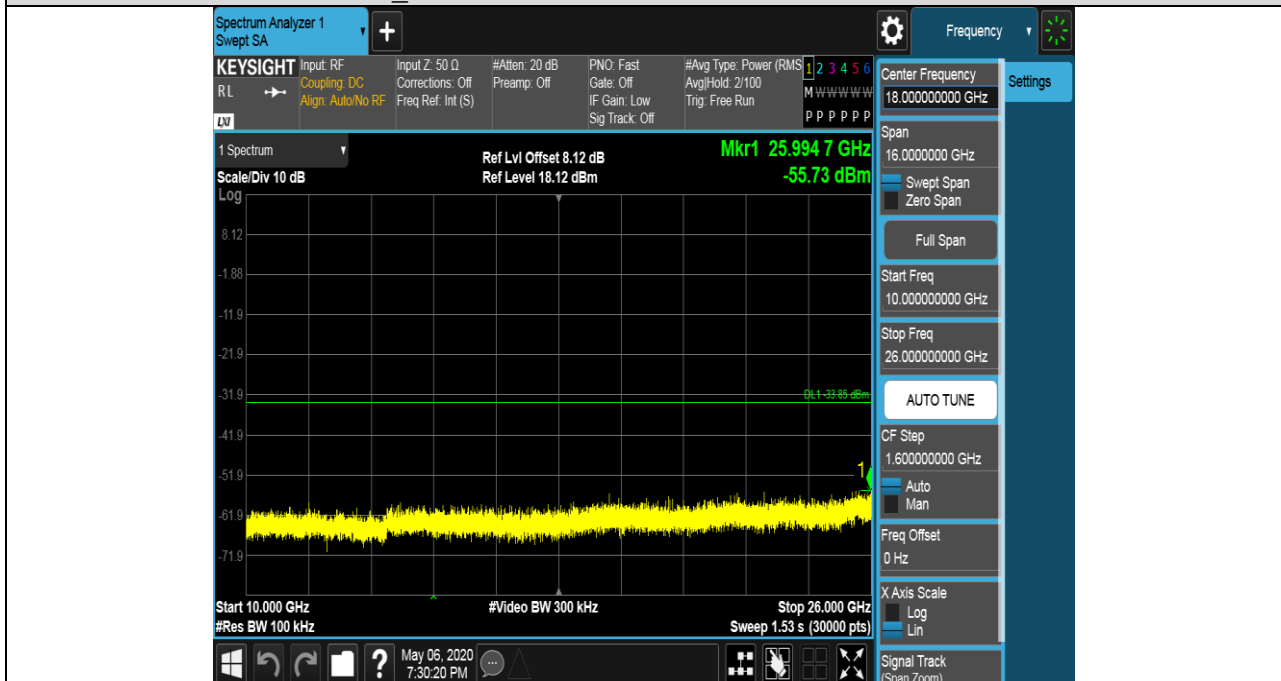


Puw test Plot

LCH SPURIOUS EMISSION_30MHz~10GHz



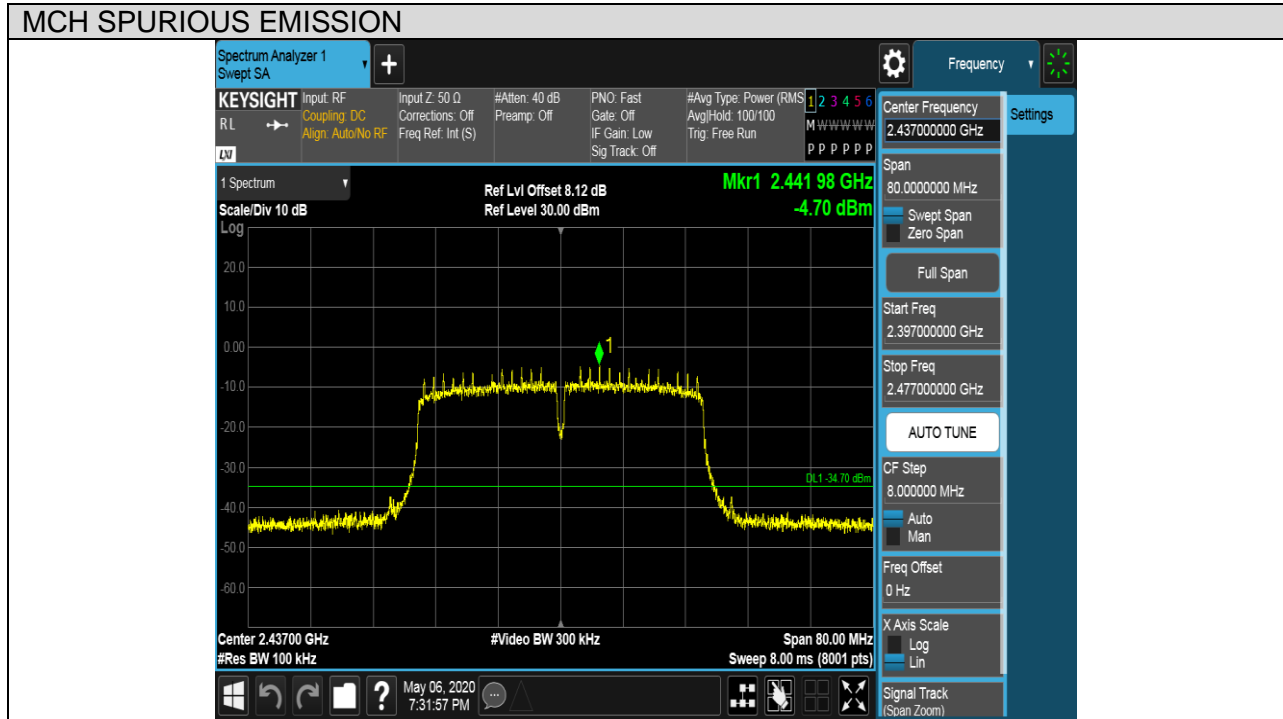
LCH SPURIOUS EMISSION_10GHz~26GHz





Test Mode	Channel	Verdict
11n HT40	MCH	PASS

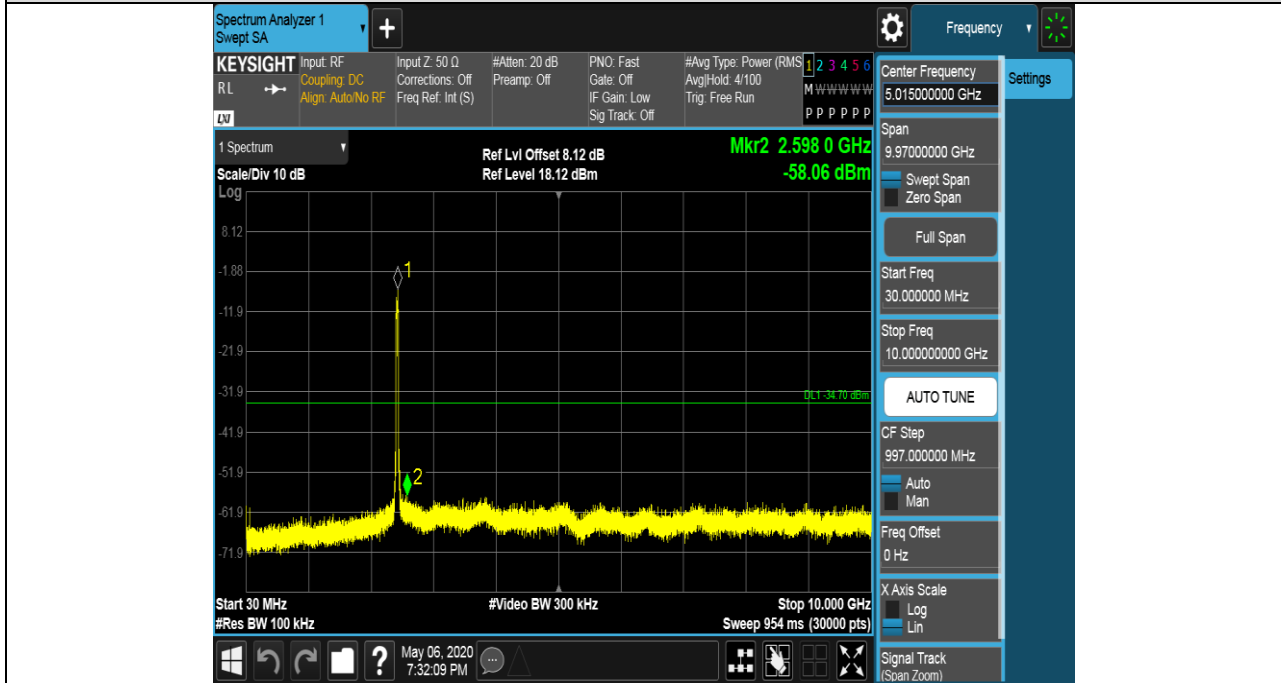
Pref test Plot



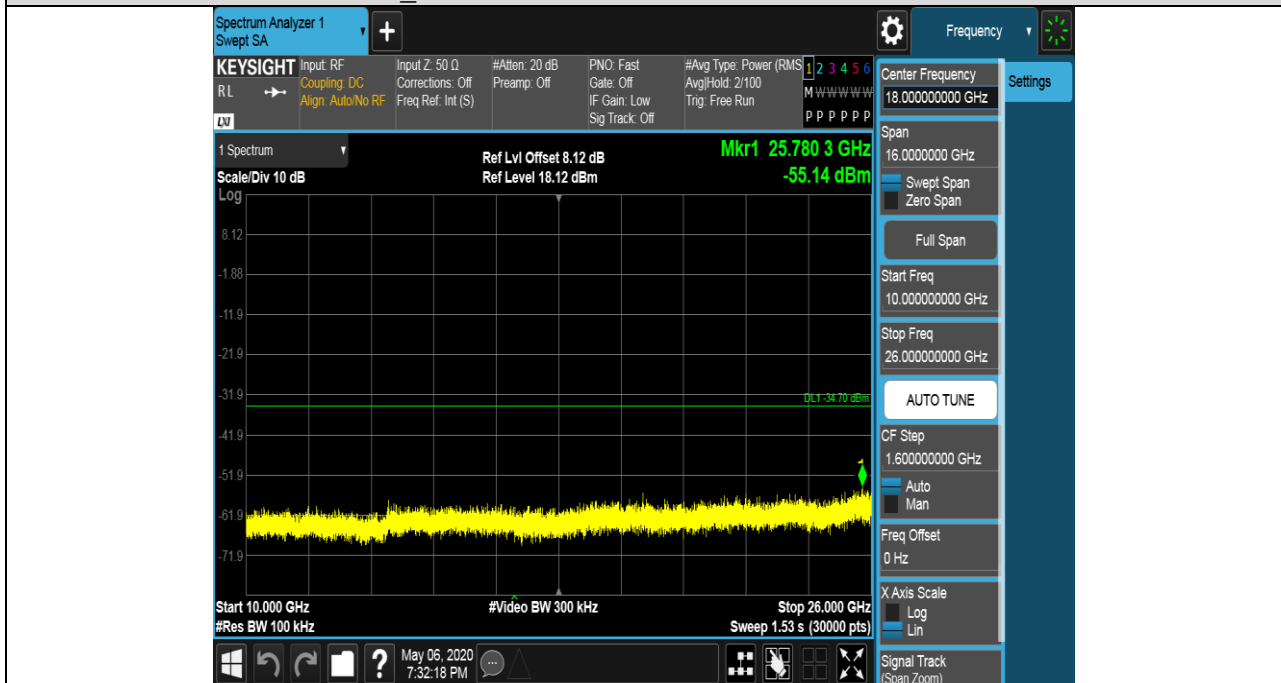


Puw test Plot

MCH SPURIOUS EMISSION_30MHz~10GHz



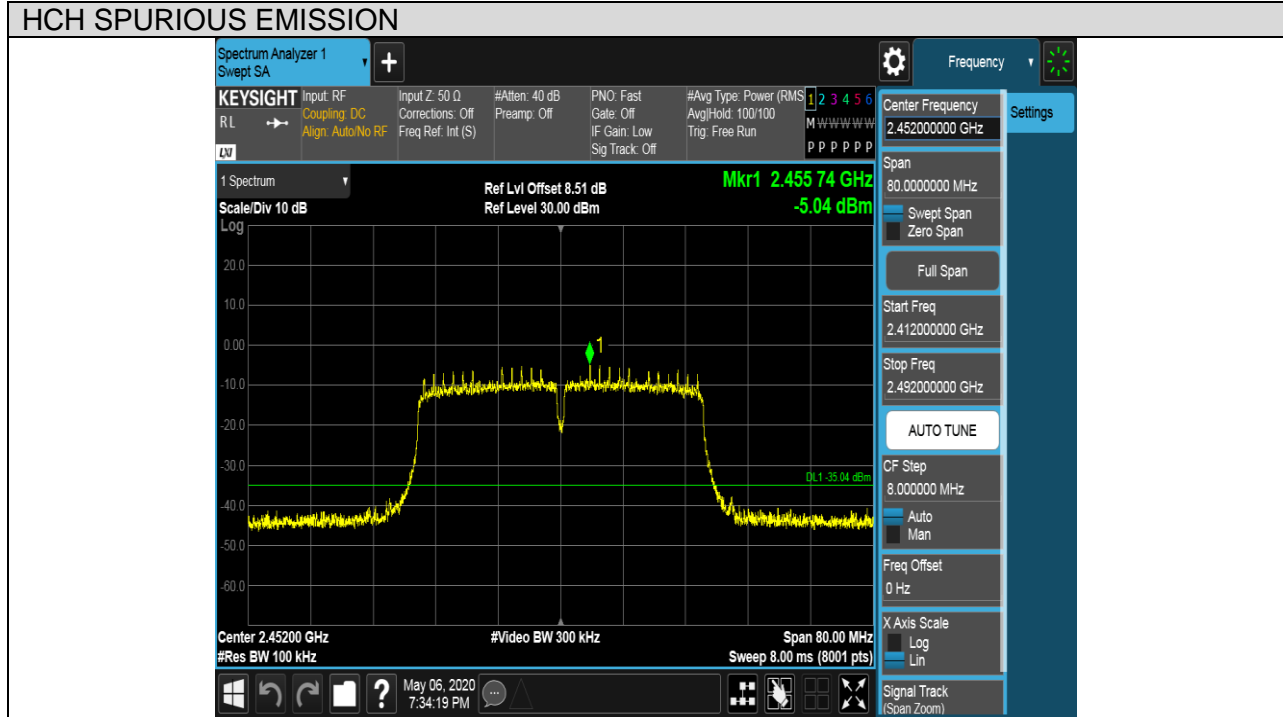
MCH SPURIOUS EMISSION_10GHz~26GHz





Test Mode	Channel	Verdict
11n HT40	HCH	PASS

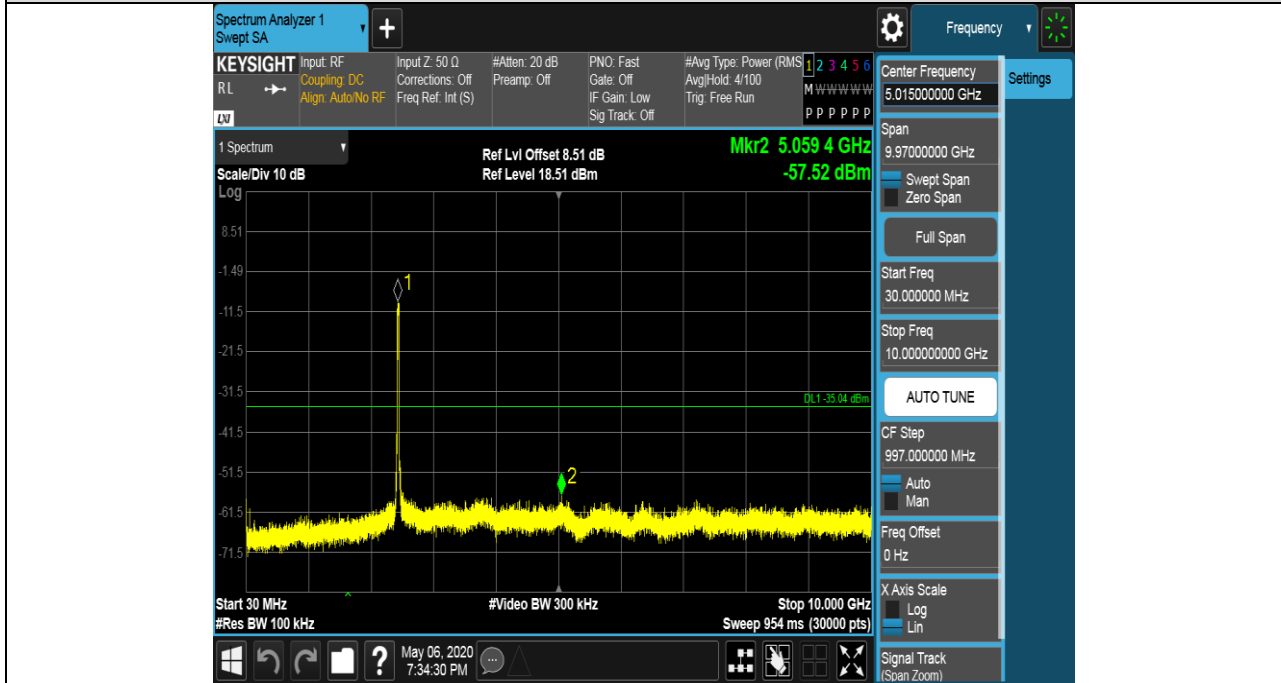
Pref test Plot



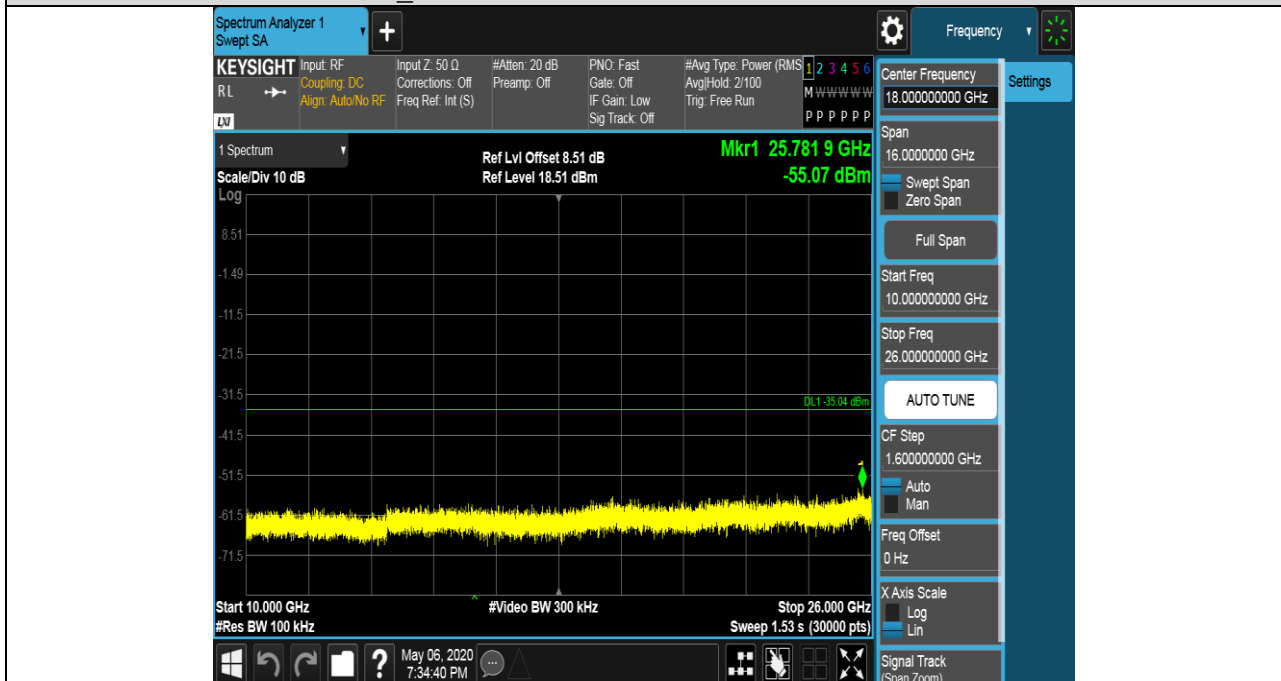


Puw test Plot

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

Please refer to FCC KDB 558074

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

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

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

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



Radiation Disturbance Test Limit for FCC (Above 1G)

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

Restricted bands of operation

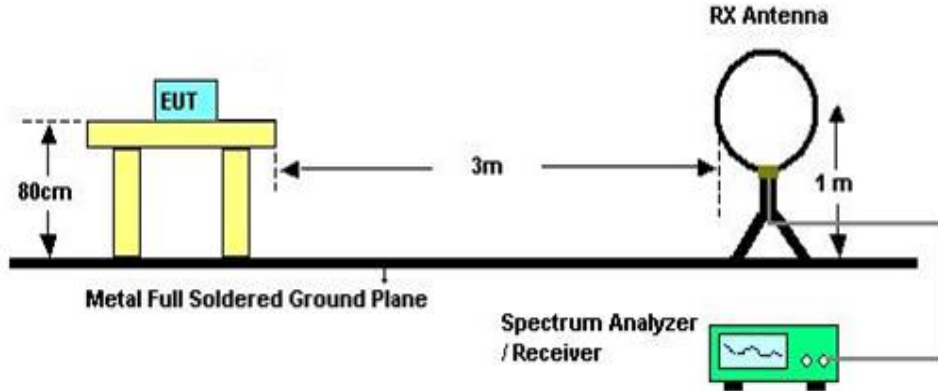
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	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

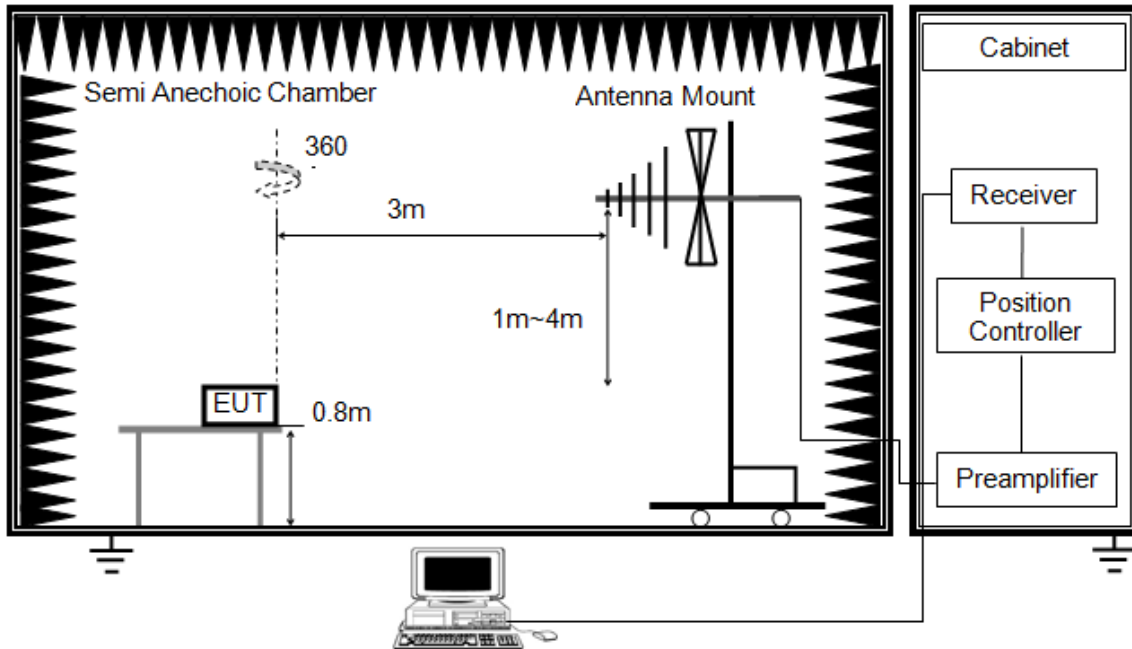


The setting of the spectrum analyser

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

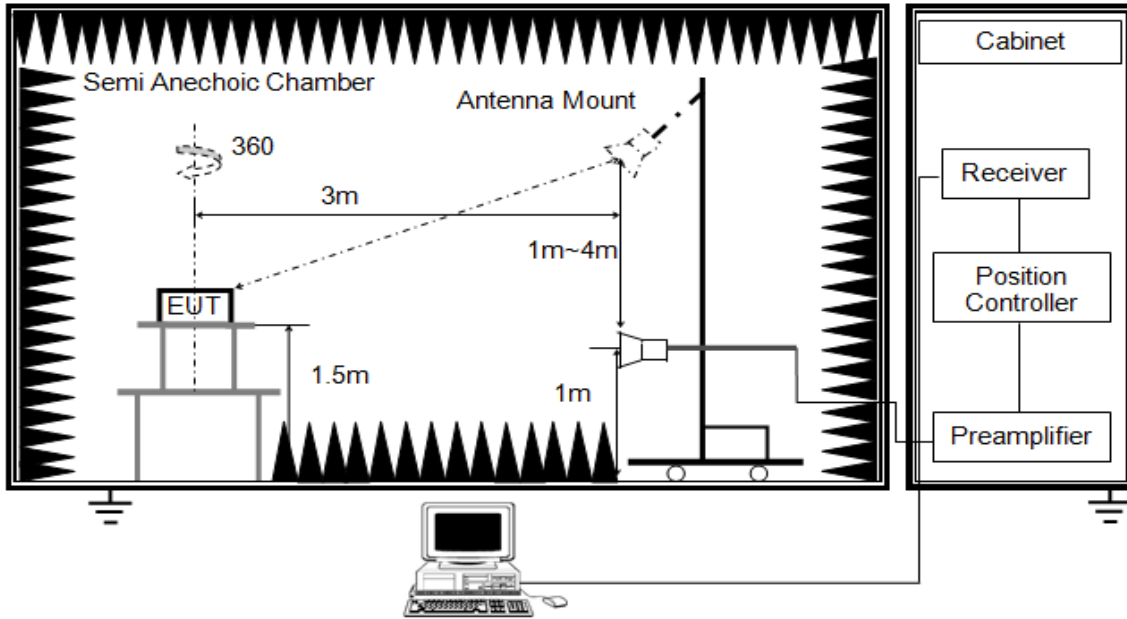


The setting of the spectrum analyser

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

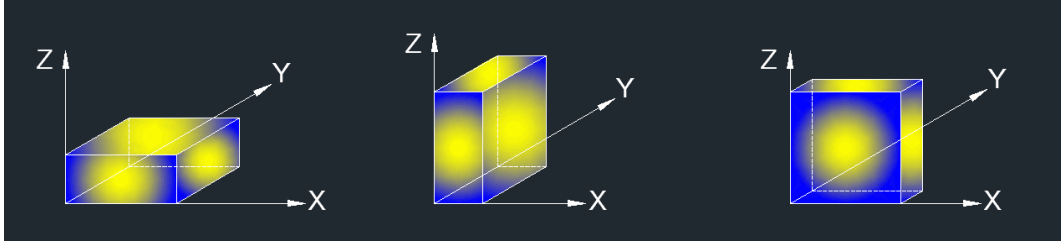


The setting of the spectrum analyser

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	DC 12V

7.6.3. RESTRICTED BANDEDGE

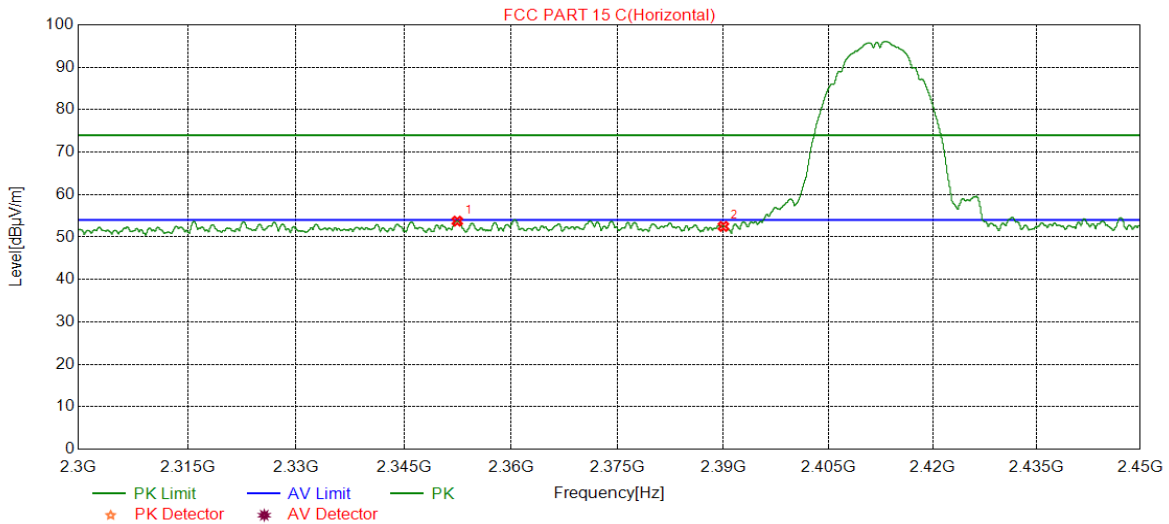
Test Result Table

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

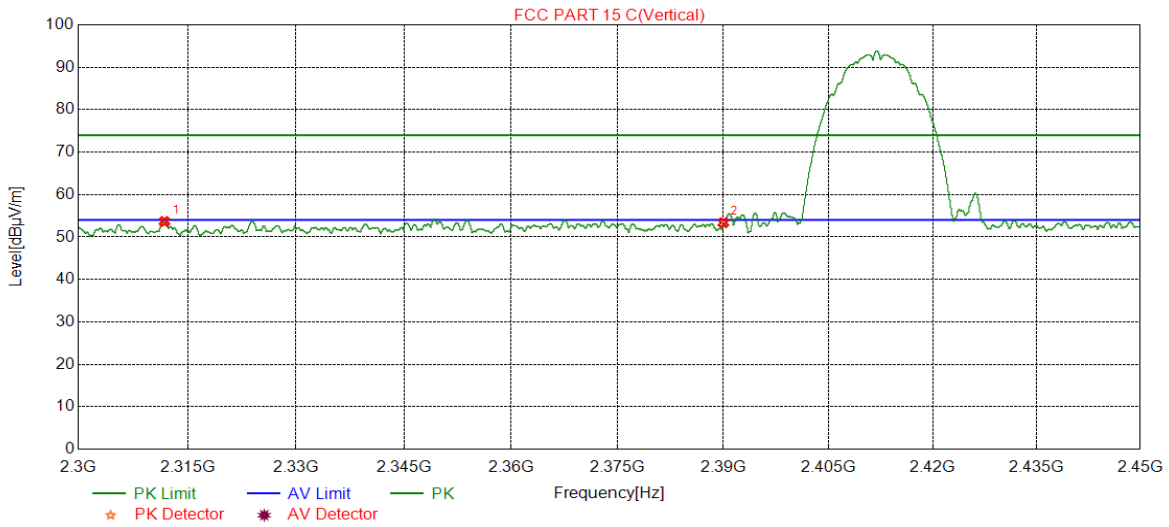


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2352.4503	40.05	13.68	53.73	74.00	-20.27	peak
2	2390.0000	38.40	14.09	52.49	74.00	-21.51	peak

- 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	LCH	Vertical	PASS

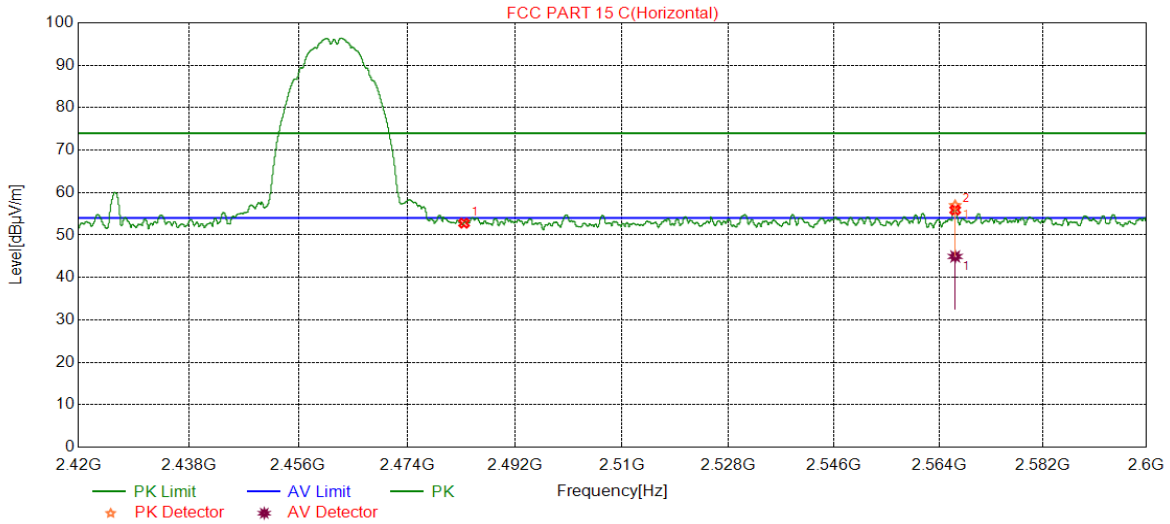


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2311.8140	40.43	13.22	53.65	74.00	-20.35	peak
2	2390.0000	39.27	14.09	53.36	74.00	-20.64	peak

- 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

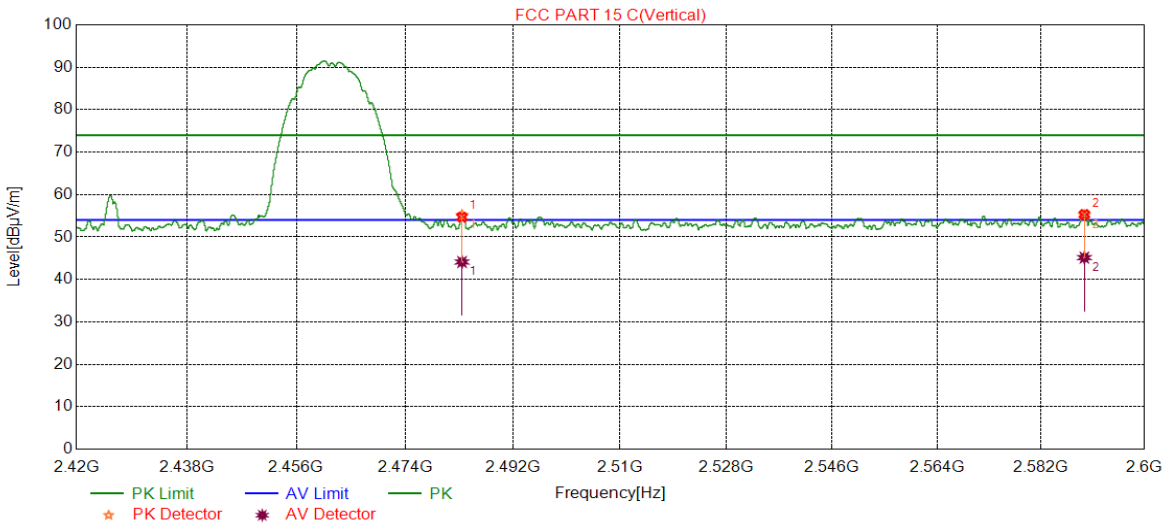


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	38.90	13.88	52.78	74.00	-21.22	peak
2	2566.7867	42.47	14.47	56.94	74.00	-17.06	peak
		30.47	14.47	44.94	54.00	-9.06	average

- 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. 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

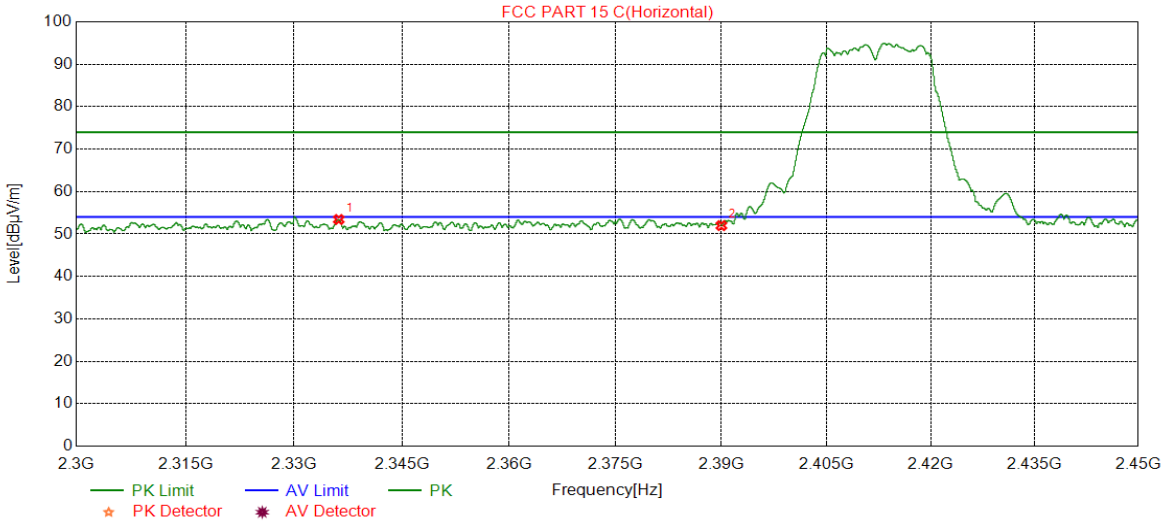


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	41.23	13.88	55.11	74.00	-18.89	peak
		30.23	13.88	44.11	54.00	-9.89	average
2	2589.5050	40.65	14.48	55.13	74.00	-18.87	peak
		30.65	14.48	45.13	54.00	-8.87	average

- 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

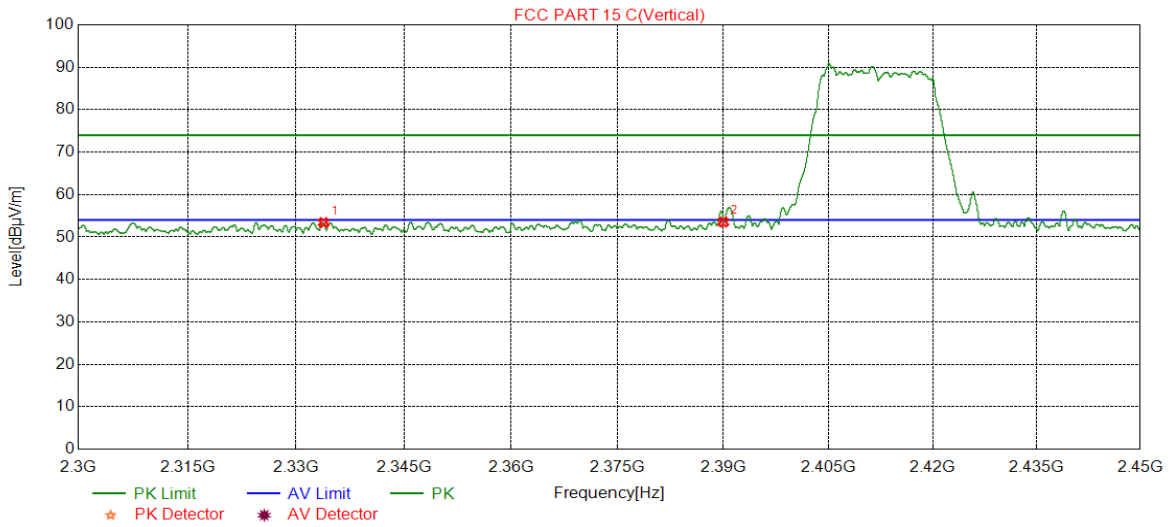


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2336.1920	39.88	13.54	53.42	74.00	-20.58	peak
3	2390.0000	37.88	14.09	51.97	74.00	-22.03	peak

- 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
11G	LCH	Vertical	PASS

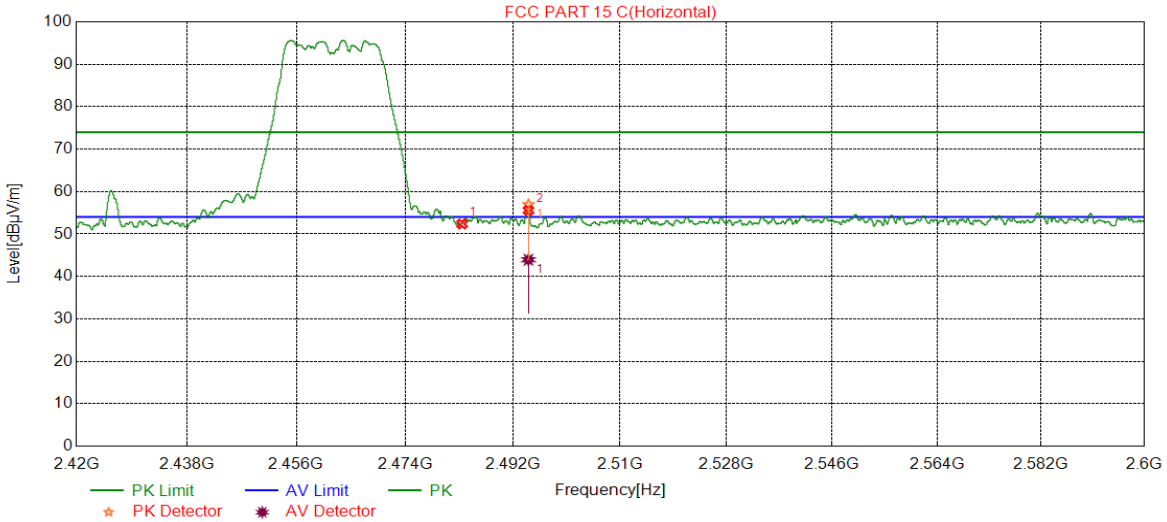


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2333.8105	39.85	13.54	53.39	74.00	-20.61	peak
2	2390.0000	39.44	14.09	53.53	74.00	-20.47	peak

- 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
11G	HCH	Horizontal	PASS

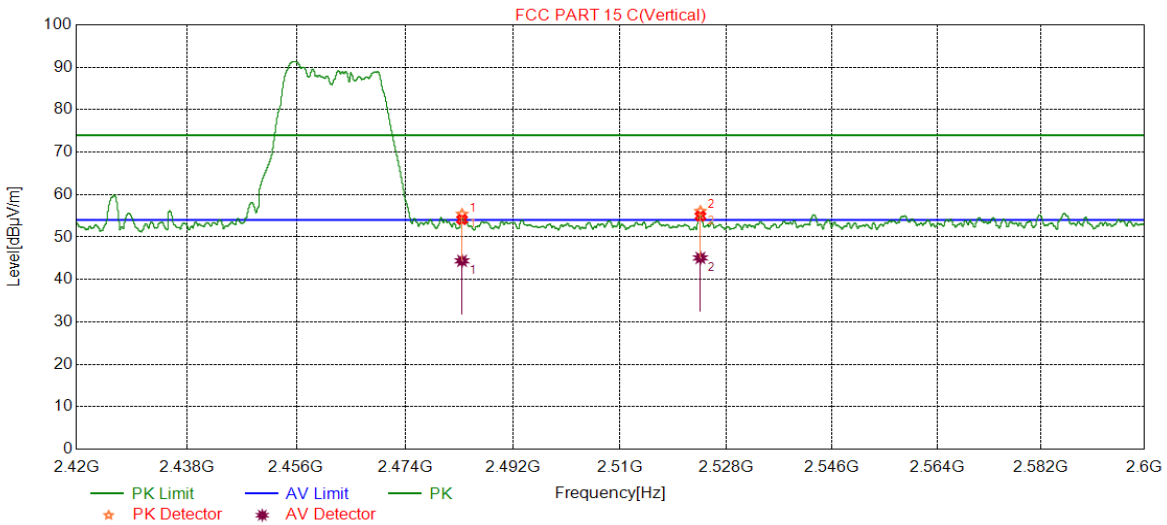


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	38.49	13.88	52.37	74.00	-21.63	peak
2	2494.5995	42.92	14.01	56.93	74.00	-17.07	peak
		29.92	14.01	43.93	54.00	-10.07	average

- 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

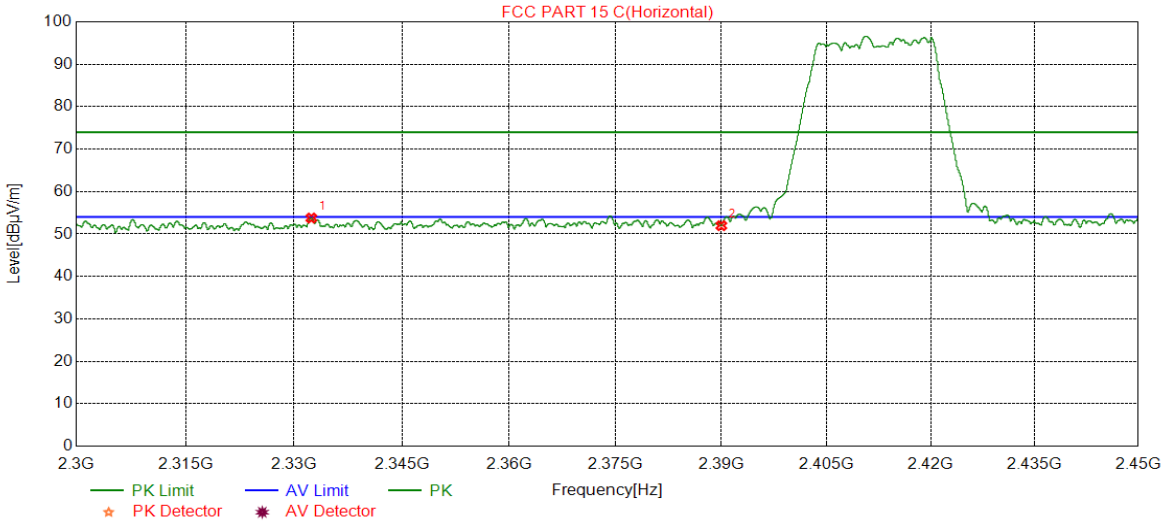


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	41.5	13.88	55.38	74.00	-18.62	peak
		30.50	13.88	44.38	54.00	-9.62	average
2	2523.5824	41.83	14.24	56.07	74.00	-17.93	peak
		30.83	14.24	45.07	54.00	-8.93	average

- 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

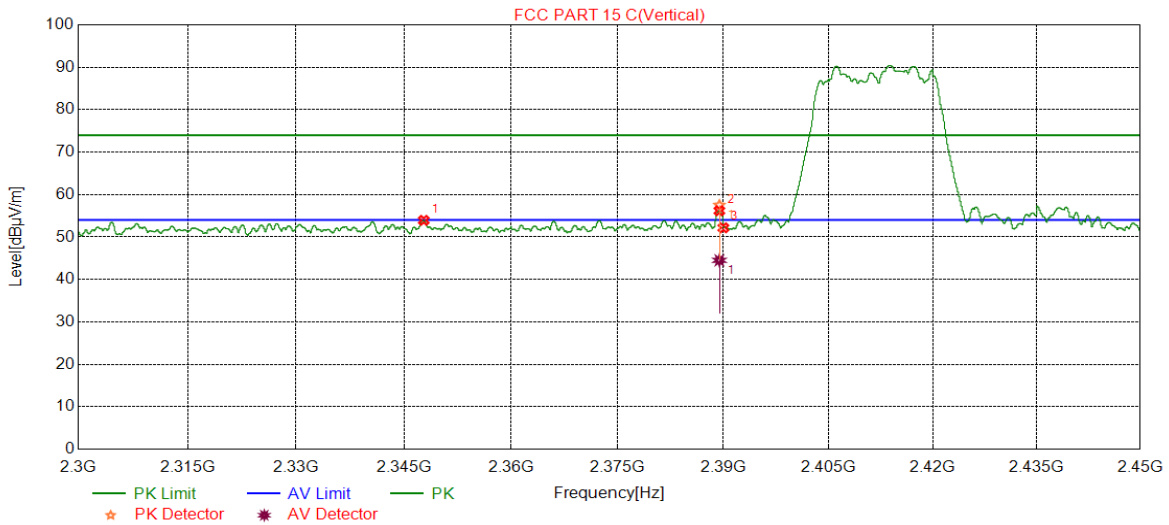


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2318.3023	40.50	13.26	53.76	74.00	-20.24	peak
2	2390.0000	38.95	14.09	53.04	74.00	-20.96	peak

- 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

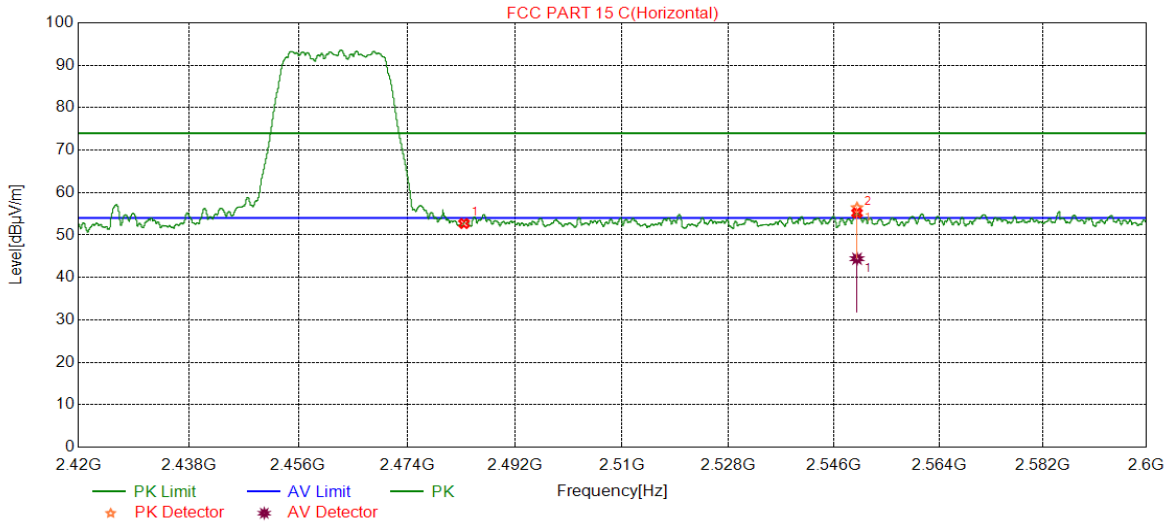


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2347.7622	40.25	13.67	53.92	74.00	-20.08	peak
2	2389.4299	43.42	14.08	57.50	74.00	-16.50	peak
		30.42	14.08	44.50	54.00	-9.50	average
3	2390.0000	38.07	14.09	52.16	74.00	-21.84	peak

- 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	HCH	Horizontal	PASS

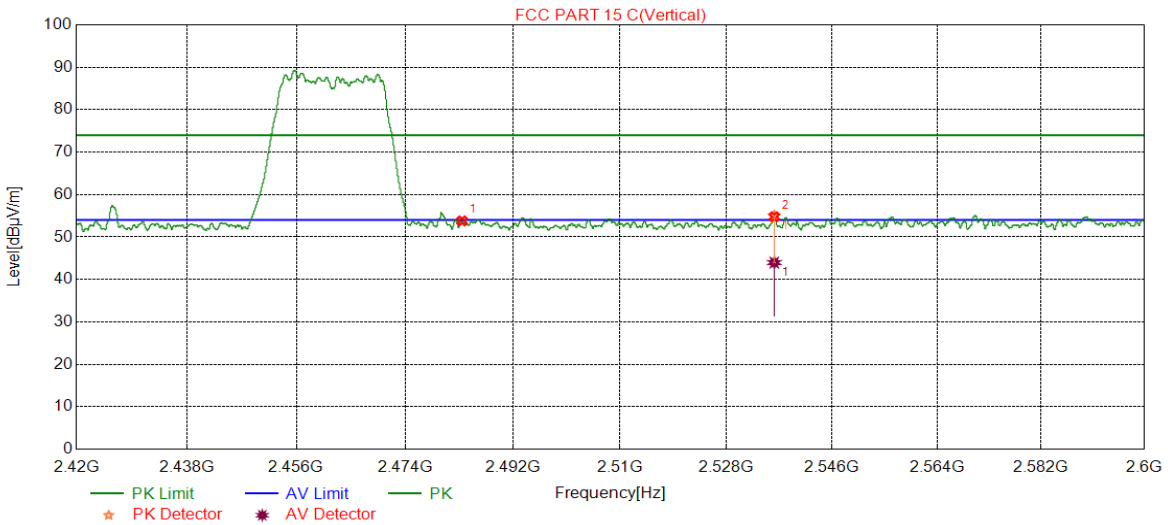


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	38.82	13.88	52.70	74.00	-21.30	peak
2	2549.9190	41.99	14.42	56.41	74.00	-17.59	peak
		29.99	14.42	44.41	54.00	-9.59	average

- 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

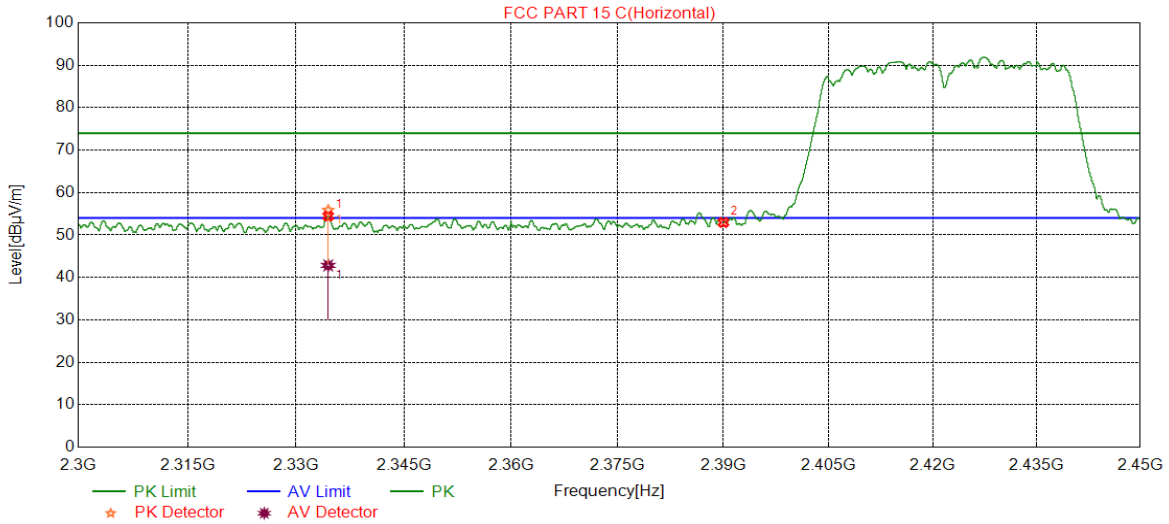


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	39.91	13.88	53.79	74.00	-20.21	peak
2	2536.1296	40.69	14.28	54.97	74.00	-19.03	peak
		29.69	14.28	43.97	54.00	-10.03	average

- 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

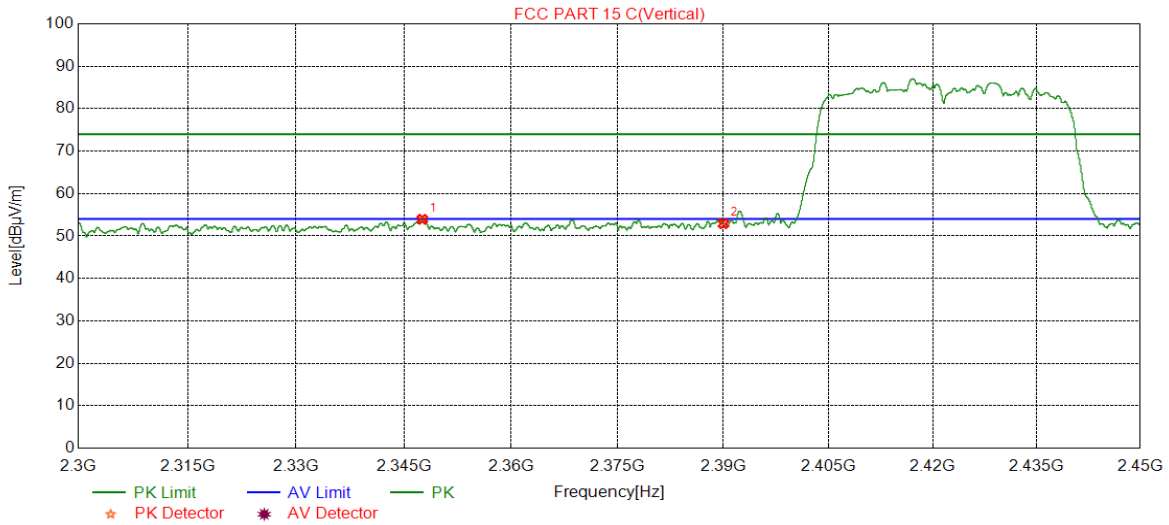


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2334.4481	42.3	13.53	55.83	74.00	-18.17	peak
		29.30	13.53	42.83	54.00	-11.17	average
2	2390.0000	38.85	14.09	52.94	74.00	-21.06	peak

- 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	LCH	Vertical	PASS

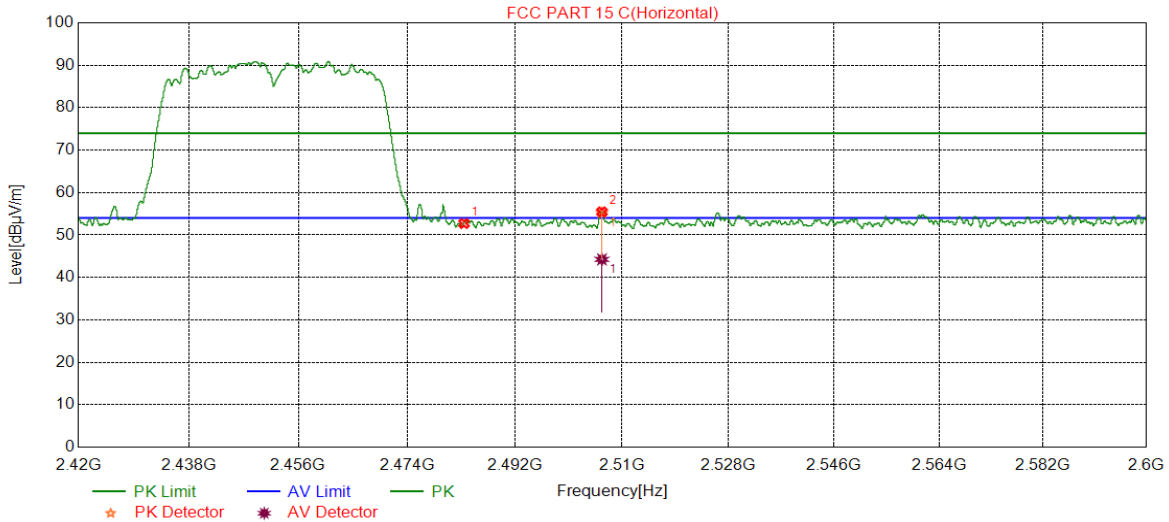


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2347.5559	40.28	13.66	53.94	74.00	-20.06	peak
2	2390.0000	38.80	14.09	52.89	74.00	-21.11	peak

- 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

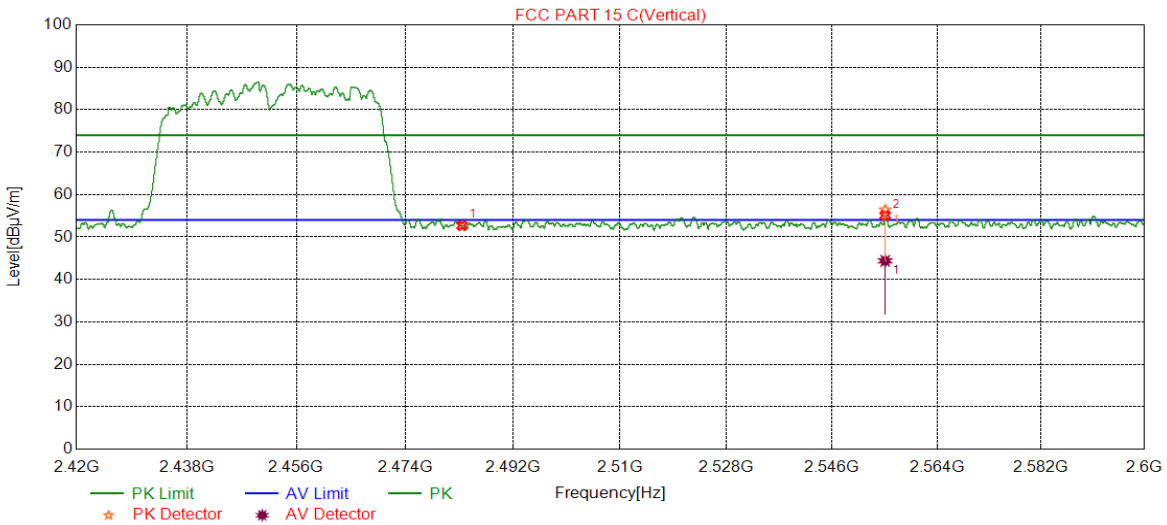


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	38.83	13.88	52.71	74.00	-21.29	peak
2	2506.6067	41.07	14.18	55.25	74.00	-18.75	peak
		30.07	14.18	44.25	54.00	-9.75	average

- 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	38.80	13.88	52.68	74.00	-21.32	peak
2	2555.0855	41.91	14.47	56.38	74.00	-17.62	peak
		29.91	14.47	44.38	54.00	-9.62	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:

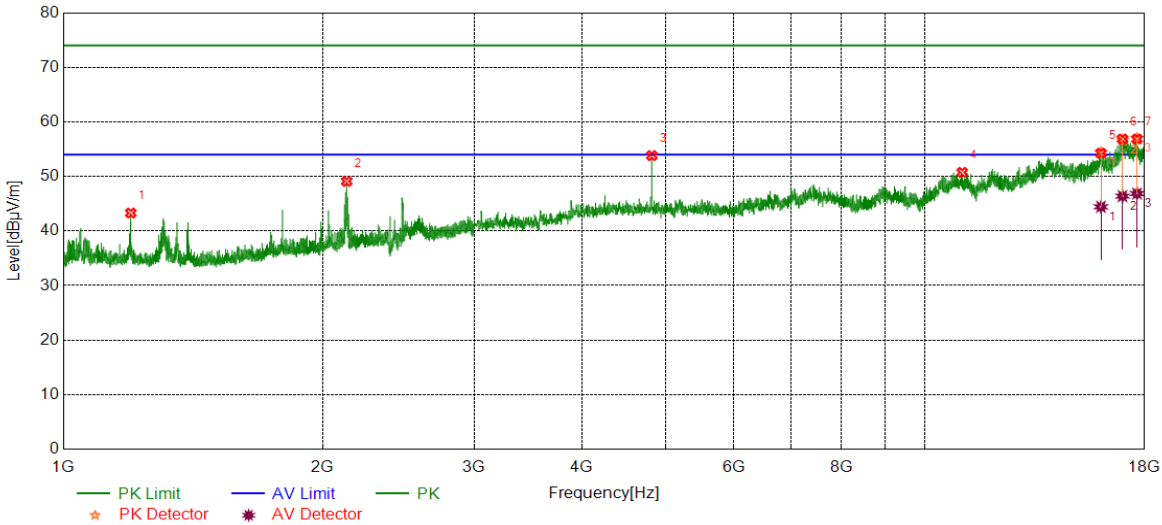
1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.



Part I: 1GHz~18GHz

HARMONICS AND SPURIOUS EMISSIONS

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

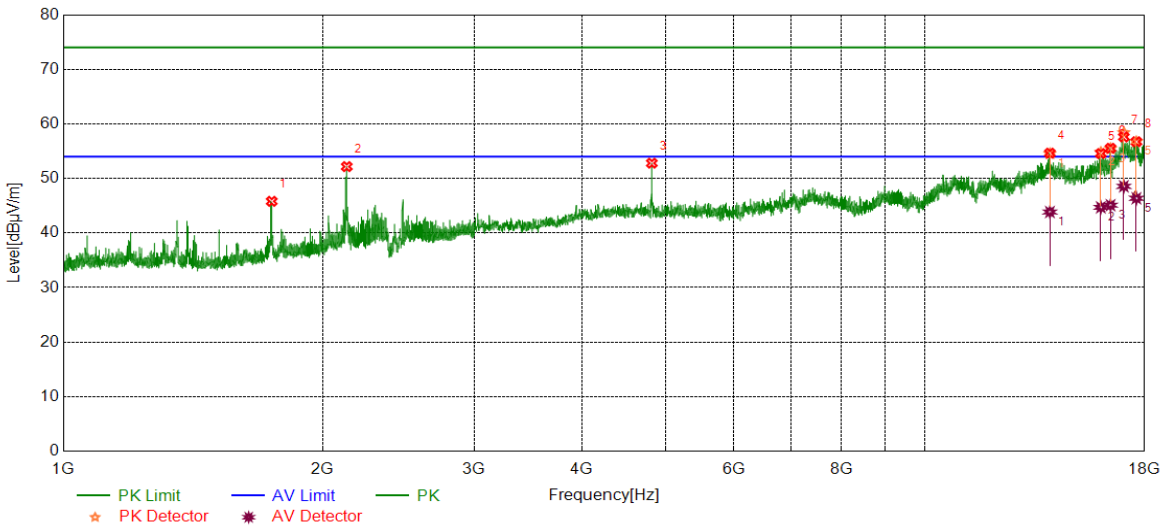


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.0248	48.84	-5.54	43.30	74.00	-30.70	peak
2	2133.3917	51.60	-2.50	49.10	74.00	-24.90	peak
3	4822.7278	48.88	4.94	53.82	74.00	-20.18	peak
4	11054.1318	37.79	12.96	50.75	74.00	-23.25	peak
		37.19	17.18	54.37	74.00	-19.63	peak
5	16016.0020	27.26	17.18	44.44	54.00	-9.56	average
		36.61	20.06	56.67	74.00	-17.33	peak
6	16966.7458	26.33	20.06	46.39	54.00	-7.61	average
		37.59	19.40	56.99	74.00	-17.01	peak
7	17638.0798	27.46	19.40	46.86	54.00	-7.14	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

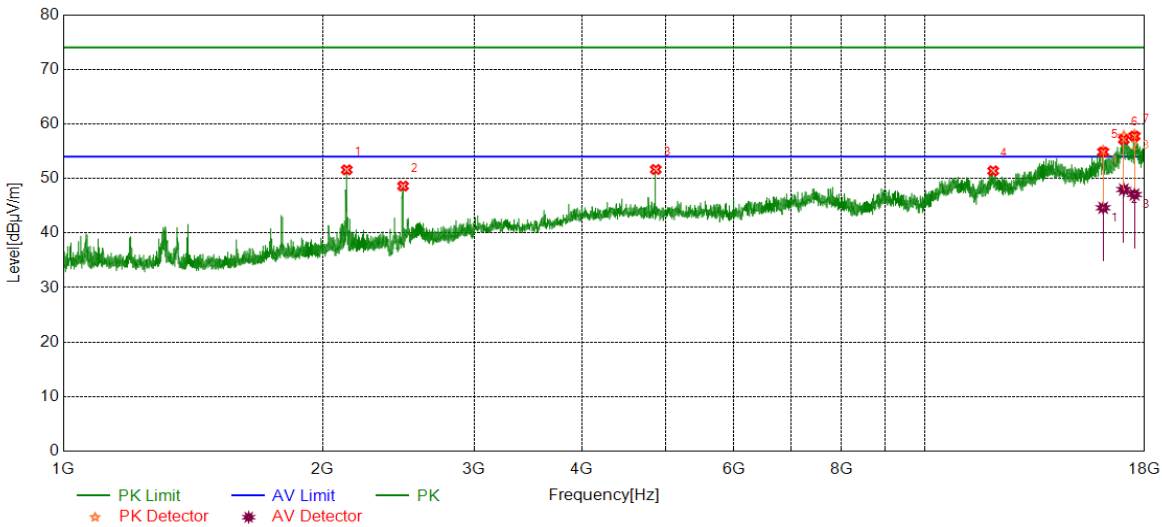


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1746.0933	50.22	-4.41	45.81	74.00	-28.19	peak
2	2133.8917	54.68	-2.51	52.17	74.00	-21.83	peak
3	4822.7278	47.86	4.94	52.80	74.00	-21.20	peak
		38.37	16.17	54.54	74.00	-19.46	peak
4	13973.8717	27.68	16.17	43.85	54.00	-10.15	average
		37.40	17.40	54.80	74.00	-19.20	peak
5	16010.3763	27.30	17.40	44.70	54.00	-9.30	average
		38.41	17.05	55.46	74.00	-18.54	peak
6	16432.3040	28.05	17.05	45.10	54.00	-8.90	average
		38.19	20.20	58.39	74.00	-15.61	peak
7	17026.7533	28.36	20.20	48.56	54.00	-5.44	average
		38.00	18.74	56.74	74.00	-17.26	peak
8	17608.0760	27.62	18.74	46.36	54.00	-7.64	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

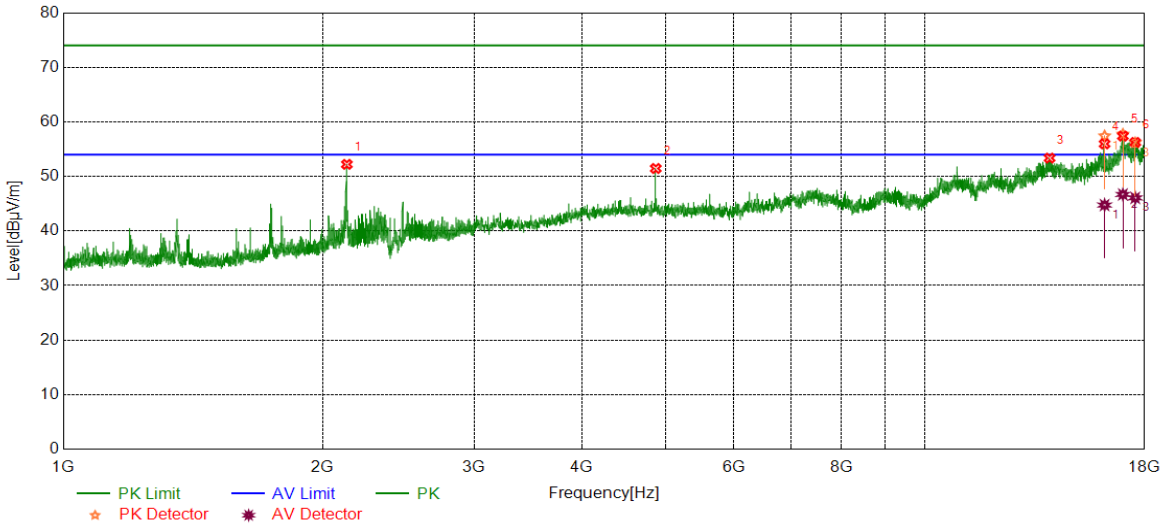


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2133.8917	54.09	-2.51	51.58	74.00	-22.42	peak
2	2480.1850	49.36	-0.76	48.60	74.00	-25.40	peak
3	4873.3592	46.43	5.21	51.64	74.00	-22.36	peak
4	12008.6261	37.68	13.71	51.39	74.00	-22.61	peak
		37.71	17.35	55.06	74.00	-18.94	peak
5	16111.6390	27.27	17.35	44.62	54.00	-9.38	average
		37.56	20.19	57.75	74.00	-16.25	peak
6	17024.8781	27.78	20.19	47.97	54.00	-6.03	average
		38.09	19.89	57.98	74.00	-16.02	peak
7	17519.9400	27.16	19.89	47.05	54.00	-6.95	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

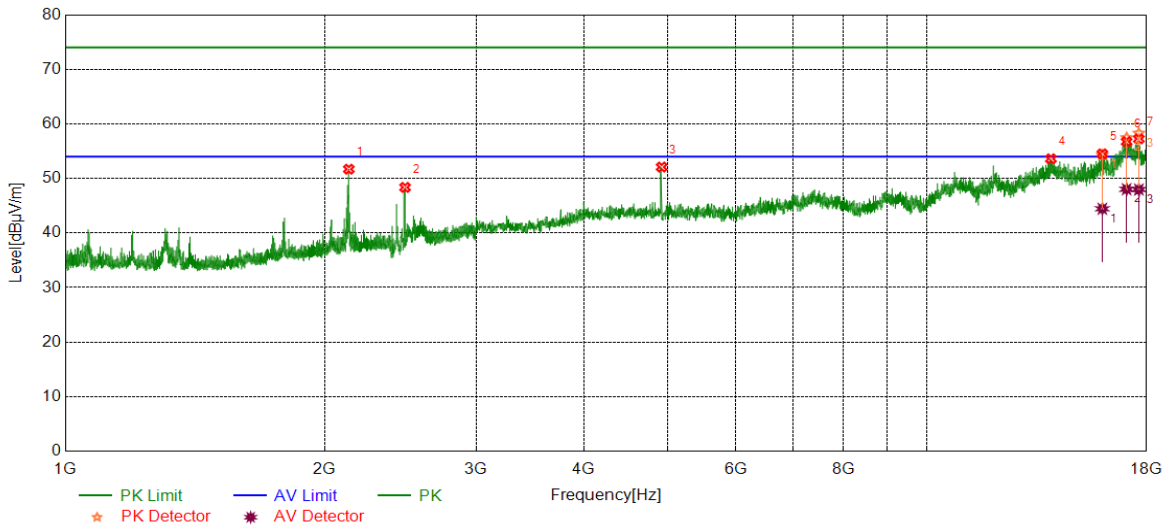


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2134.3918	54.74	-2.52	52.22	74.00	-21.78	peak
2	4873.3592	46.25	5.21	51.46	74.00	-22.54	peak
3	13962.6203	37.42	15.95	53.37	74.00	-20.63	peak
4	16173.5217	40.96	16.48	57.44	74.00	-16.56	peak
		28.27	16.48	44.75	54.00	-9.25	average
5	16983.6230	37.57	20.19	57.76	74.00	-16.24	peak
		26.51	20.19	46.70	54.00	-7.30	average
6	17553.6942	37.36	18.84	56.20	74.00	-17.80	peak
		27.23	18.84	46.07	54.00	-7.93	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

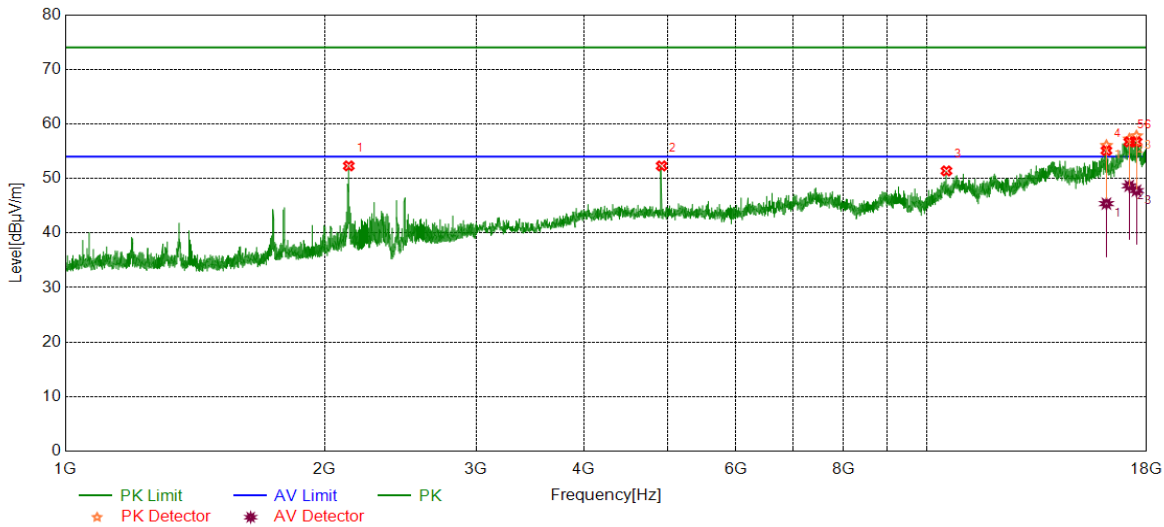


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2134.1418	54.21	-2.51	51.70	74.00	-22.30	peak
2	2480.1850	49.12	-0.76	48.36	74.00	-25.64	peak
3	4923.9905	46.87	5.22	52.09	74.00	-21.91	peak
4	13936.3670	37.57	16.03	53.60	74.00	-20.40	peak
		36.71	17.59	54.30	74.00	-19.70	peak
5	15989.7487	26.85	17.59	44.44	54.00	-9.56	average
		36.95	20.52	57.47	74.00	-16.53	peak
6	17062.3828	27.50	20.52	48.02	54.00	-5.98	average
		39.00	19.30	58.30	74.00	-15.70	peak
7	17630.5788	28.68	19.30	47.98	54.00	-6.02	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

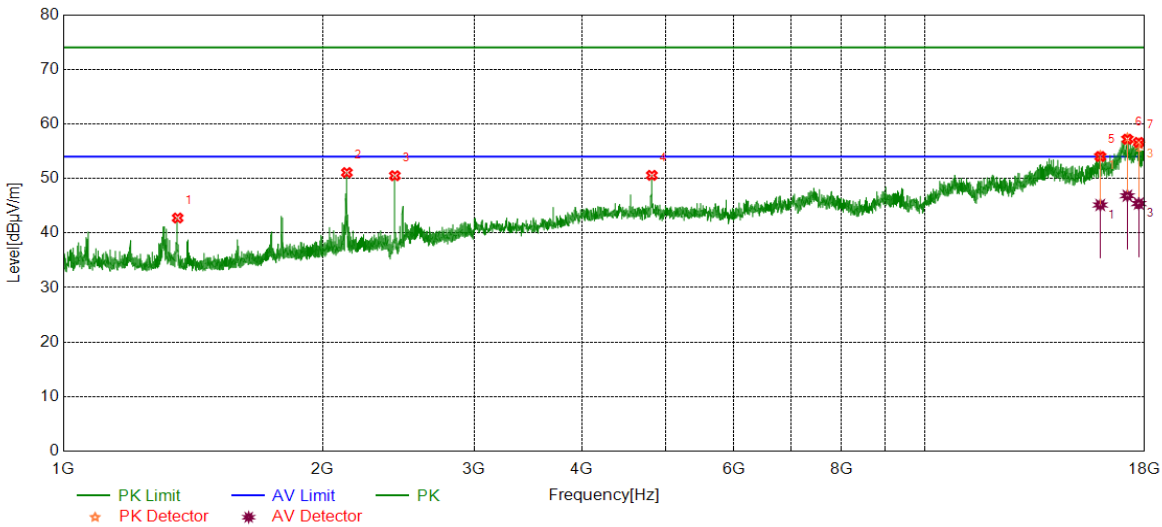


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2133.8917	54.81	-2.51	52.30	74.00	-21.70	peak
2	4923.9905	47.08	5.22	52.30	74.00	-21.70	peak
3	10542.1928	38.84	12.54	51.38	74.00	-22.62	peak
4	16166.0208	39.36	16.69	56.05	74.00	-17.95	peak
		28.69	16.69	45.38	54.00	-8.62	average
5	17184.2730	37.66	19.57	57.23	74.00	-16.77	peak
		29.08	19.57	48.65	54.00	-5.35	average
6	17519.9400	37.92	19.89	57.81	74.00	-16.19	peak
		27.88	19.89	47.77	54.00	-6.23	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
11G	LCH	Horizontal	PASS

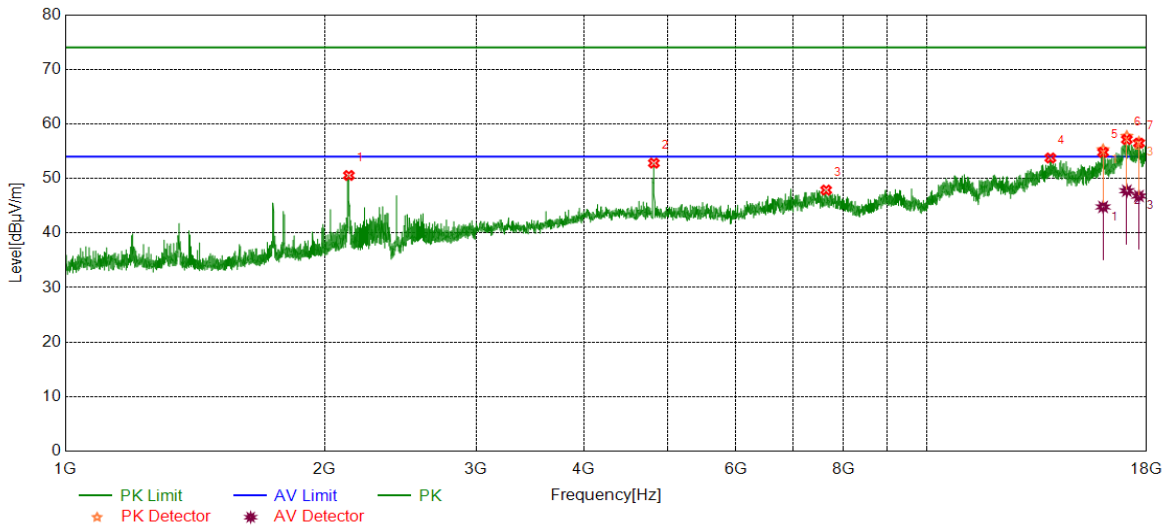


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1357.7947	48.43	-5.68	42.75	74.00	-31.25	peak
2	2134.3918	53.60	-2.52	51.08	74.00	-22.92	peak
3	2426.4283	51.65	-1.15	50.50	74.00	-23.50	peak
4	4822.7278	45.63	4.94	50.57	74.00	-23.43	peak
5	15987.8735	36.72	17.37	54.09	74.00	-19.91	peak
		27.77	17.37	45.14	54.00	-8.86	average
6	17189.8987	37.77	19.54	57.31	74.00	-16.69	peak
		27.29	19.54	46.83	54.00	-7.17	average
7	17720.5901	37.7	18.63	56.33	74.00	-17.67	peak
		26.77	18.63	45.40	54.00	-8.60	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
11G	LCH	Vertical	PASS

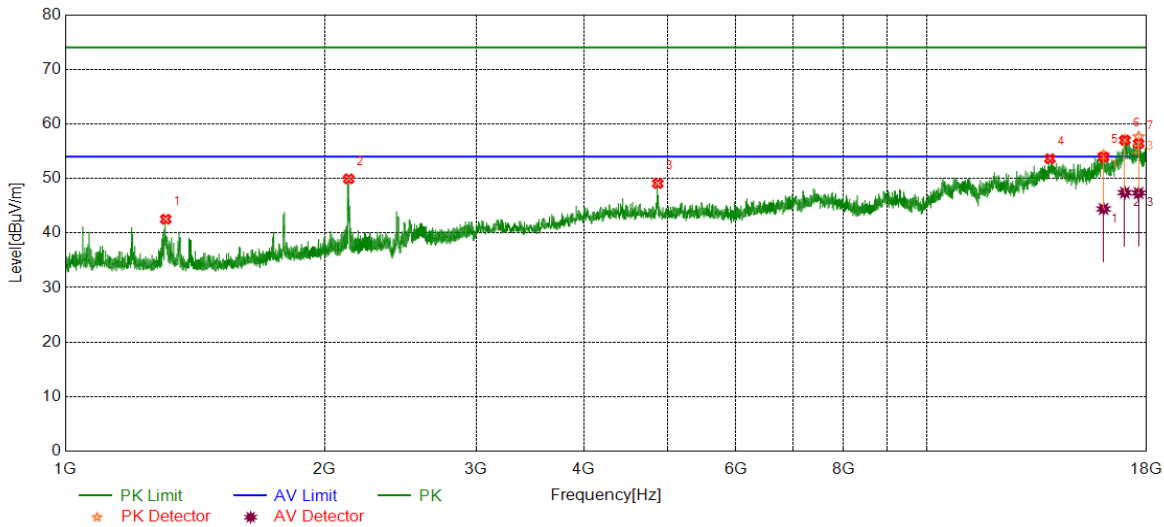


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2134.3918	53.07	-2.52	50.55	74.00	-23.45	peak
2	4822.7278	47.87	4.94	52.81	74.00	-21.19	peak
3	7643.0804	38.95	8.92	47.87	74.00	-26.13	peak
4	13919.4899	37.69	16.06	53.75	74.00	-20.25	peak
5	16021.6277	38.3	16.97	55.27	74.00	-18.73	peak
		27.81	16.97	44.78	54.00	-9.22	average
6	17071.7590	37.40	20.34	57.74	74.00	-16.26	peak
		27.40	20.34	47.74	54.00	-6.26	average
7	17632.4541	37.35	19.33	56.68	74.00	-17.32	peak
		27.45	19.33	46.78	54.00	-7.22	average

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. 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
11G	MCH	Horizontal	PASS

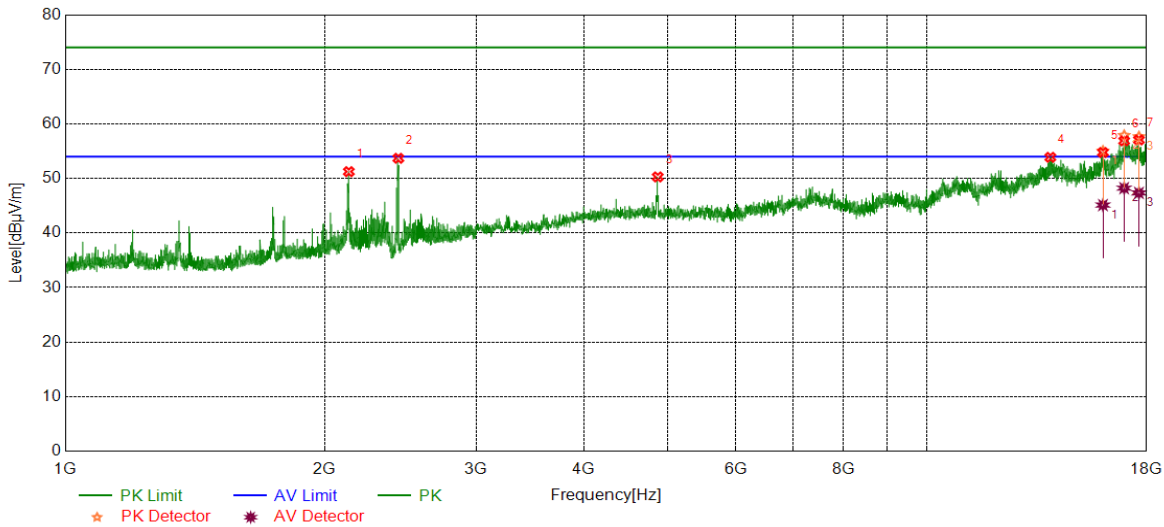


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1308.0385	48.20	-5.68	42.52	74.00	-31.48	peak
2	2133.6417	52.44	-2.51	49.93	74.00	-24.07	peak
3	4873.3592	43.87	5.21	49.08	74.00	-24.92	peak
4	13900.7376	37.67	15.94	53.61	74.00	-20.39	peak
		37.43	16.87	54.30	74.00	-19.70	peak
5	16042.2553	27.54	16.87	44.41	54.00	-9.59	average
		36.37	20.65	57.02	74.00	-16.98	peak
6	16979.8725	26.75	20.65	47.40	54.00	-6.60	average
		39.00	18.65	57.65	74.00	-16.35	peak
7	17619.3274	28.69	18.65	47.34	54.00	-6.66	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
11G	MCH	Vertical	PASS

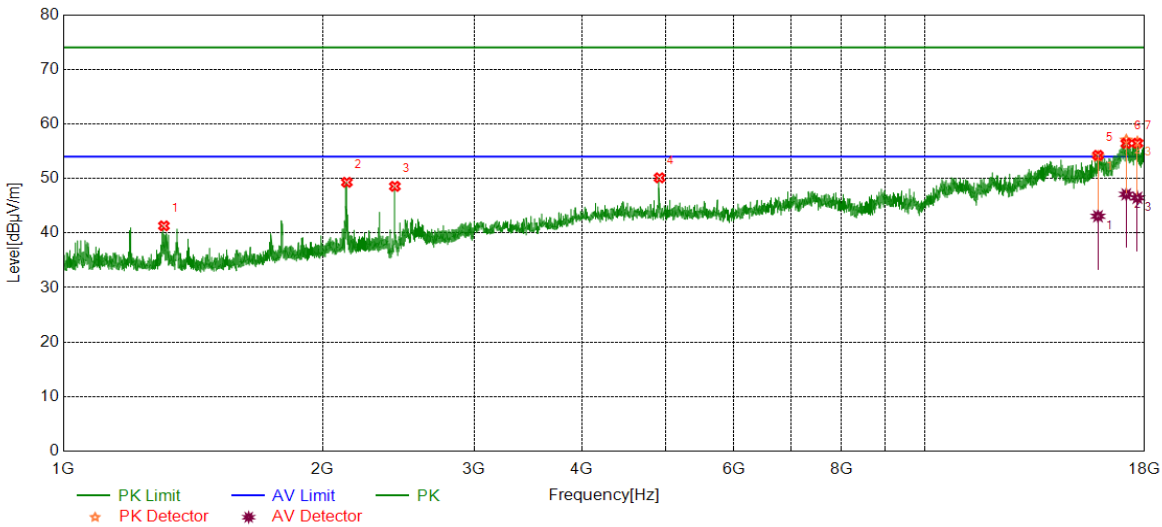


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2134.1418	53.76	-2.51	51.25	74.00	-22.75	peak
2	2436.1795	54.78	-1.08	53.70	74.00	-20.30	peak
3	4873.3592	45.07	5.21	50.28	74.00	-23.72	peak
4	13915.7395	37.96	15.92	53.88	74.00	-20.12	peak
5	16016.0020	37.83	17.18	55.01	74.00	-18.99	peak
		27.94	17.18	45.12	54.00	-8.88	average
6	16949.8687	38.04	19.84	57.88	74.00	-16.12	peak
		28.38	19.84	48.22	54.00	-5.78	average
7	17634.3293	38.30	19.35	57.65	74.00	-16.35	peak
		28.00	19.35	47.35	54.00	-6.65	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
11G	HCH	Horizontal	PASS

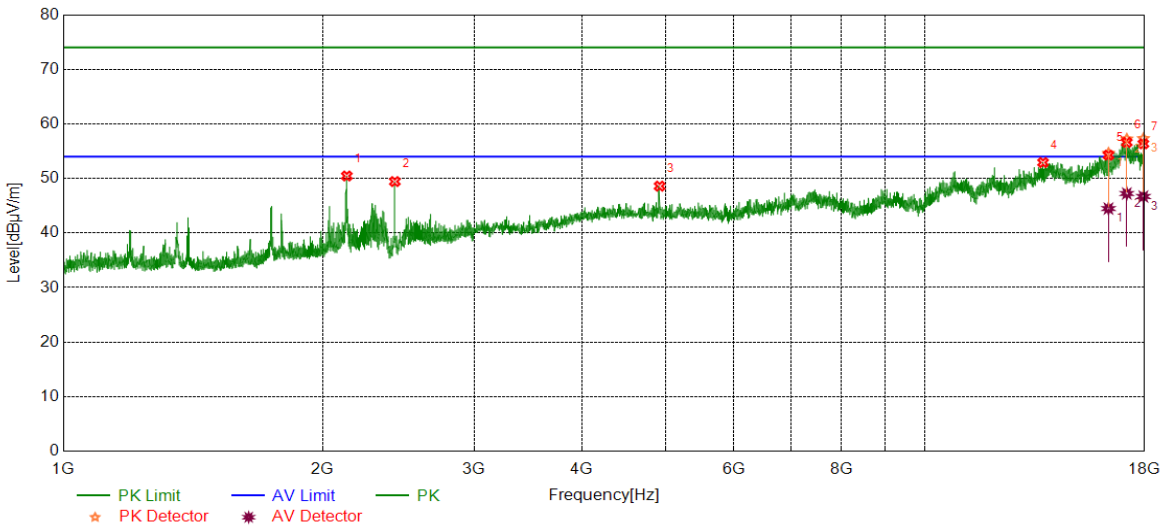


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1308.7886	47.00	-5.69	41.31	74.00	-32.69	peak
2	2134.3918	51.81	-2.52	49.29	74.00	-24.71	peak
3	2426.4283	49.70	-1.15	48.55	74.00	-25.45	peak
4	4922.1153	44.86	5.26	50.12	74.00	-23.88	peak
		37.64	16.39	54.03	74.00	-19.97	peak
5	15890.3613	26.68	16.39	43.07	54.00	-10.93	average
		37.75	19.30	57.05	74.00	-16.95	peak
6	17137.3922	27.79	19.30	47.09	54.00	-6.91	average
		37.50	19.19	56.69	74.00	-17.31	peak
7	17654.9569	27.26	19.19	46.45	54.00	-7.55	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
11G	HCH	Vertical	PASS

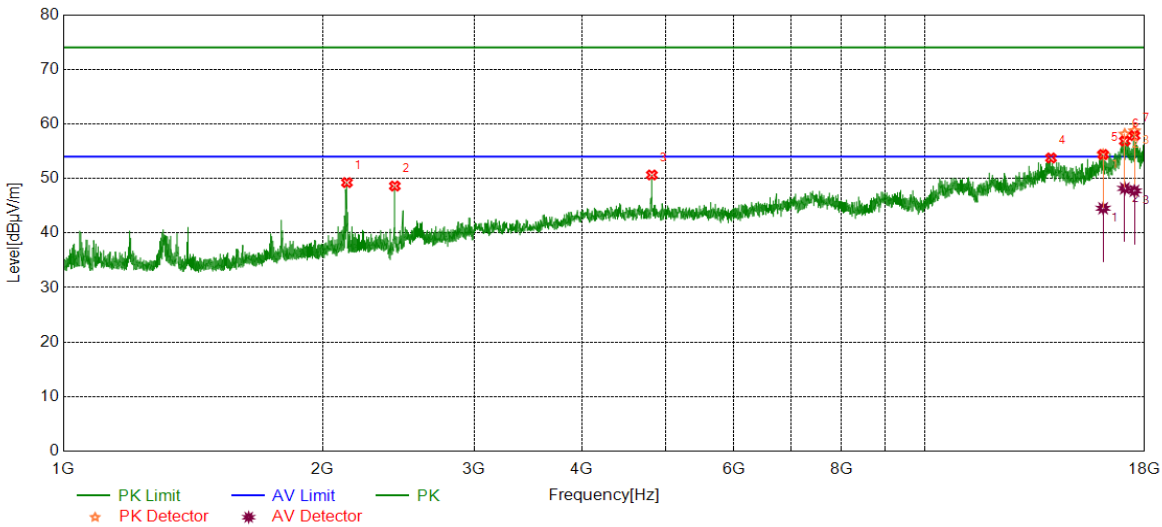


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2134.1418	52.96	-2.51	50.45	74.00	-23.55	peak
2	2426.1783	50.58	-1.15	49.43	74.00	-24.57	peak
3	4923.9905	43.37	5.22	48.59	74.00	-25.41	peak
4	13720.7151	37.24	15.68	52.92	74.00	-21.08	peak
		37.52	17.11	54.63	74.00	-19.37	peak
5	16342.2928	27.37	17.11	44.48	54.00	-9.52	average
		37.55	19.69	57.24	74.00	-16.76	peak
6	17161.7702	27.55	19.69	47.24	54.00	-6.76	average
		38.12	19.19	57.31	74.00	-16.69	peak
7	17939.9925	27.50	19.19	46.69	54.00	-7.31	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
11n HT20	LCH	Horizontal	PASS

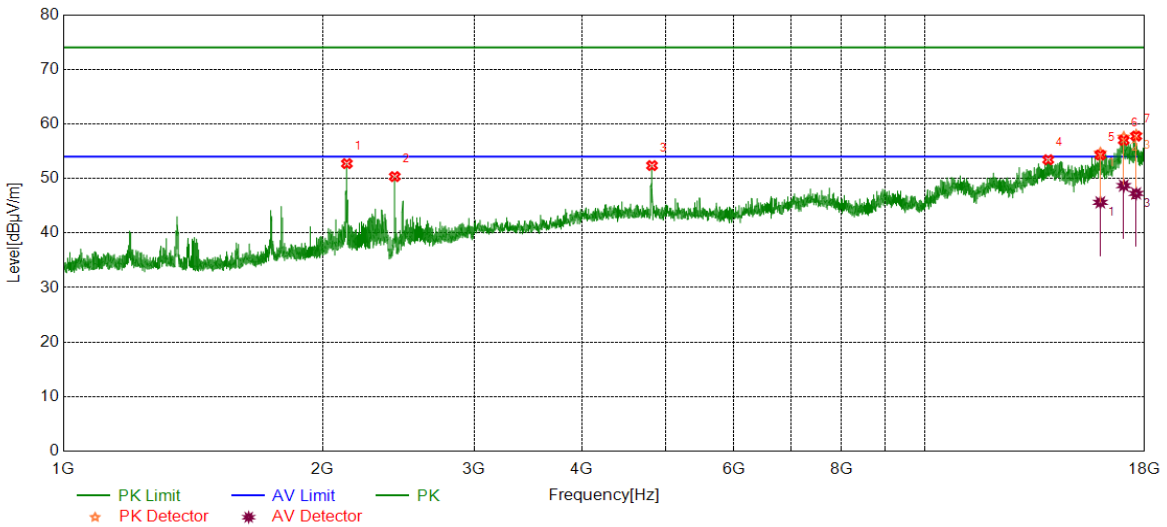


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2134.8919	51.77	-2.53	49.24	74.00	-24.76	peak
2	2426.1783	49.76	-1.15	48.61	74.00	-25.39	peak
3	4822.7278	45.70	4.94	50.64	74.00	-23.36	peak
4	14015.1269	38.10	15.65	53.75	74.00	-20.25	peak
5	16109.7637	36.95	17.41	54.36	74.00	-19.64	peak
		27.12	17.41	44.53	54.00	-9.47	average
6	17069.8837	37.60	20.52	58.12	74.00	-15.88	peak
		27.66	20.52	48.18	54.00	-5.82	average
7	17518.0648	39.05	19.67	58.72	74.00	-15.28	peak
		28.06	19.67	47.73	54.00	-6.27	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
11n HT20	LCH	Vertical	PASS

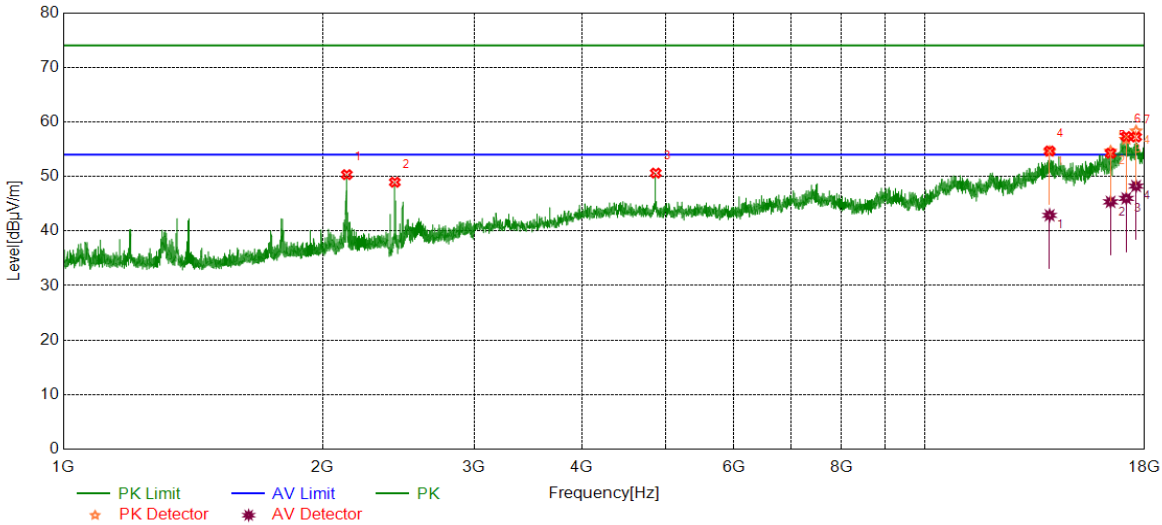


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2134.3918	55.24	-2.52	52.72	74.00	-21.28	peak
2	2425.6782	51.50	-1.16	50.34	74.00	-23.66	peak
3	4824.6031	47.42	4.94	52.36	74.00	-21.64	peak
4	13911.9890	37.66	15.77	53.43	74.00	-20.57	peak
5	15989.7487	37.1	17.59	54.69	74.00	-19.31	peak
		28.03	17.59	45.62	54.00	-8.38	average
6	17023.0029	37.39	20.18	57.57	74.00	-16.43	peak
		28.51	20.18	48.69	54.00	-5.31	average
7	17596.8246	38.41	19.54	57.95	74.00	-16.05	peak
		27.71	19.54	47.25	54.00	-6.75	average

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
 4. Peak: Peak detector.
 5. 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
11n HT20	MCH	Horizontal	PASS

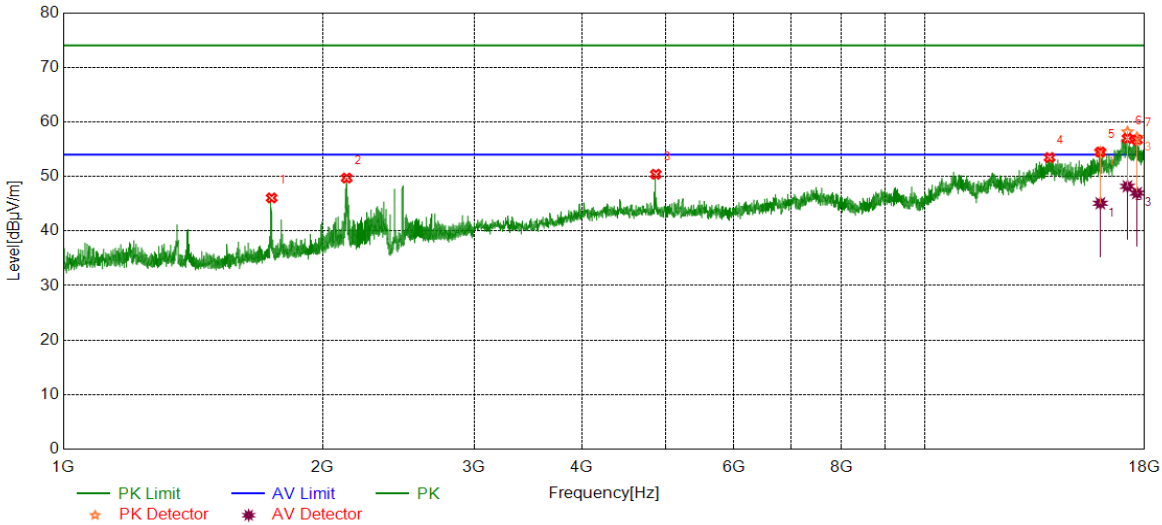


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2134.1418	52.84	-2.51	50.33	74.00	-23.67	peak
2	2425.9282	50.10	-1.16	48.94	74.00	-25.06	peak
3	4873.3592	45.41	5.21	50.62	74.00	-23.38	peak
4	13962.6203	38.63	15.95	54.58	74.00	-19.42	peak
		26.93	15.95	42.88	54.00	-11.12	average
5	16434.1793	37.64	17.02	54.66	74.00	-19.34	peak
		28.32	17.02	45.34	54.00	-8.66	average
6	17137.3922	37.52	19.30	56.82	74.00	-17.18	peak
		26.68	19.30	45.98	54.00	-8.02	average
7	17593.0741	38.73	19.61	58.34	74.00	-15.66	peak
		28.62	19.61	48.23	54.00	-5.77	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
11n HT20	MCH	Vertical	PASS

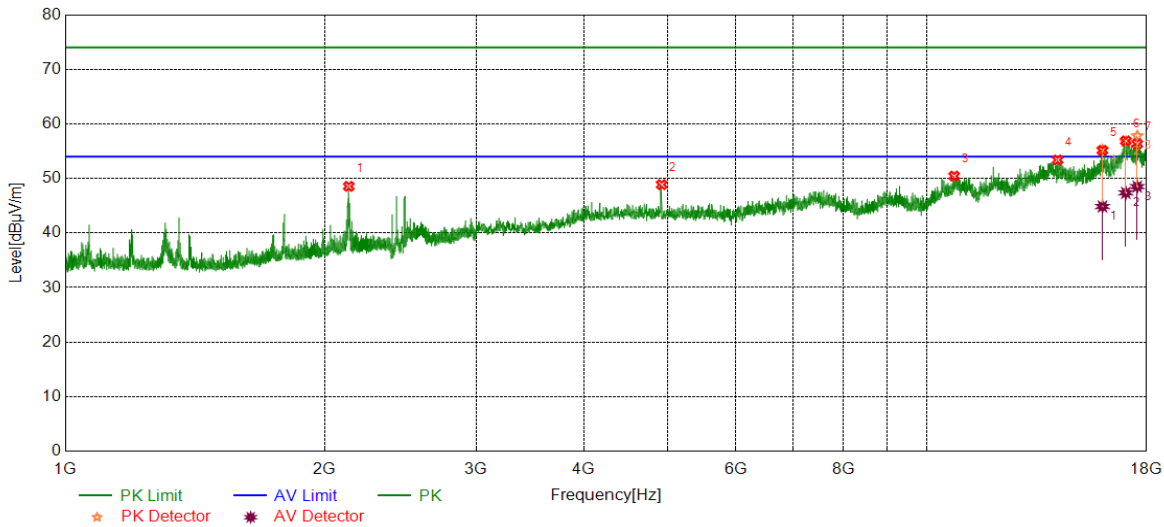


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1745.5932	50.46	-4.40	46.06	74.00	-27.94	peak
2	2133.3917	52.21	-2.50	49.71	74.00	-24.29	peak
3	4873.3592	45.20	5.21	50.41	74.00	-23.59	peak
4	13962.6203	37.52	15.95	53.47	74.00	-20.53	peak
5	15989.7487	36.86	17.59	54.45	74.00	-19.55	peak
		27.49	17.59	45.08	54.00	-8.92	average
6	17191.7740	38.75	19.43	58.18	74.00	-15.82	peak
		28.76	19.43	48.19	54.00	-5.81	average
7	17639.9550	37.73	19.43	57.16	74.00	-16.84	peak
		27.52	19.43	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.
 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
11n HT20	HCH	Horizontal	PASS

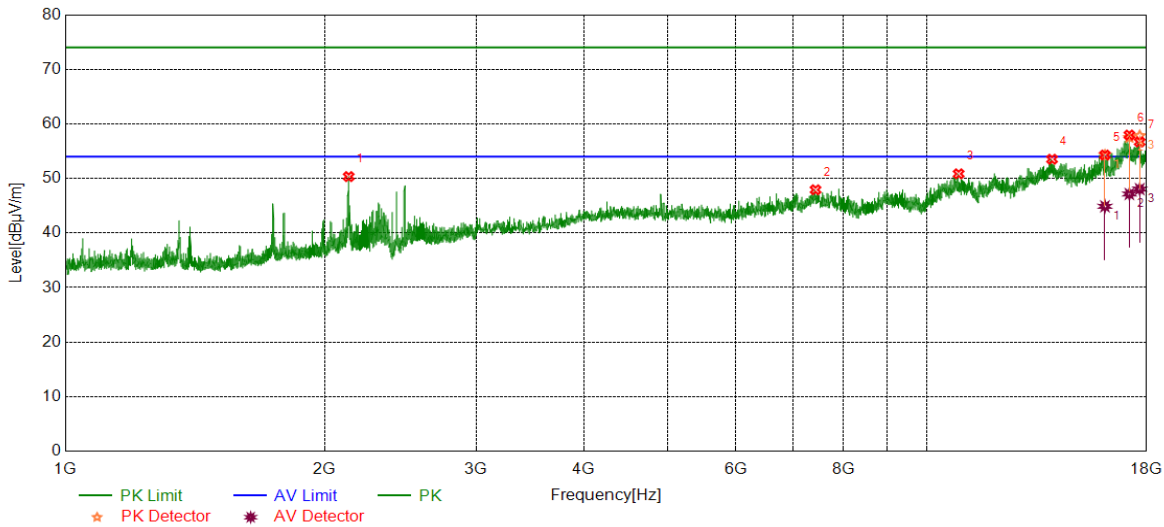


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2133.8917	51.06	-2.51	48.55	74.00	-25.45	peak
2	4923.9905	43.65	5.22	48.87	74.00	-25.13	peak
3	10761.5952	37.60	12.83	50.43	74.00	-23.57	peak
4	14191.3989	37.31	16.08	53.39	74.00	-20.61	peak
5	15995.3744	37.81	17.46	55.27	74.00	-18.73	peak
		27.40	17.46	44.86	54.00	-9.14	average
6	17024.8781	36.57	20.19	56.76	74.00	-17.24	peak
		27.17	20.19	47.36	54.00	-6.64	average
7	17555.5694	38.78	19.03	57.81	74.00	-16.19	peak
		29.47	19.03	48.50	54.00	-5.50	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
11n HT20	HCH	Vertical	PASS

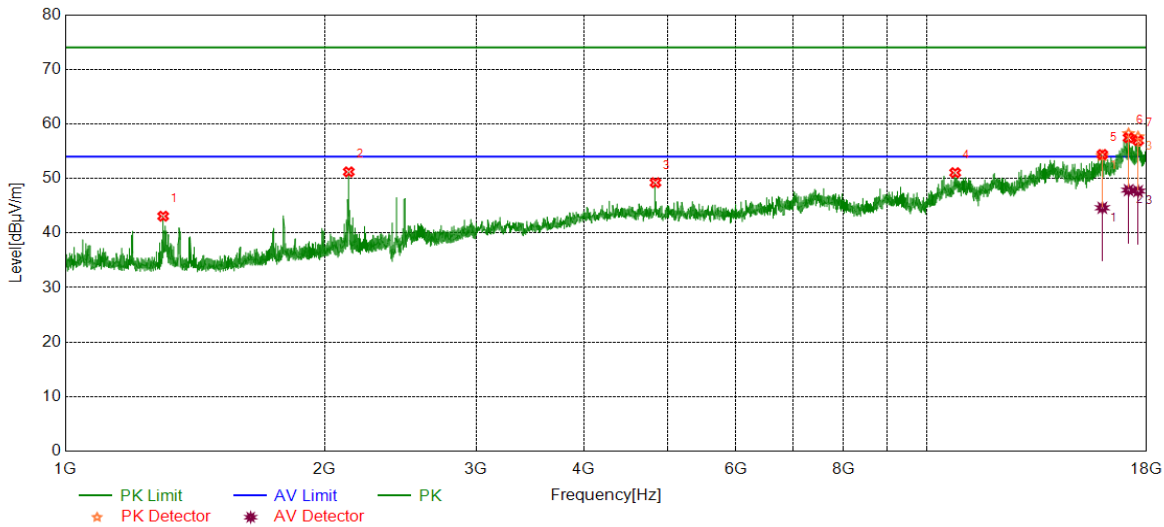


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2133.3917	52.84	-2.50	50.34	74.00	-23.66	peak
2	7429.3037	38.67	9.25	47.92	74.00	-26.08	peak
3	10890.9864	38.04	12.81	50.85	74.00	-23.15	peak
4	13979.4974	37.00	16.52	53.52	74.00	-20.48	peak
5	16102.2628	37.15	17.14	54.29	74.00	-19.71	peak
		27.75	17.14	44.89	54.00	-9.11	average
6	17188.0235	37.95	19.55	57.50	74.00	-16.50	peak
		27.60	19.55	47.15	54.00	-6.85	average
7	17669.9587	38.13	19.70	57.83	74.00	-16.17	peak
		28.35	19.70	48.05	54.00	-5.95	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
11n HT40	LCH	Horizontal	PASS

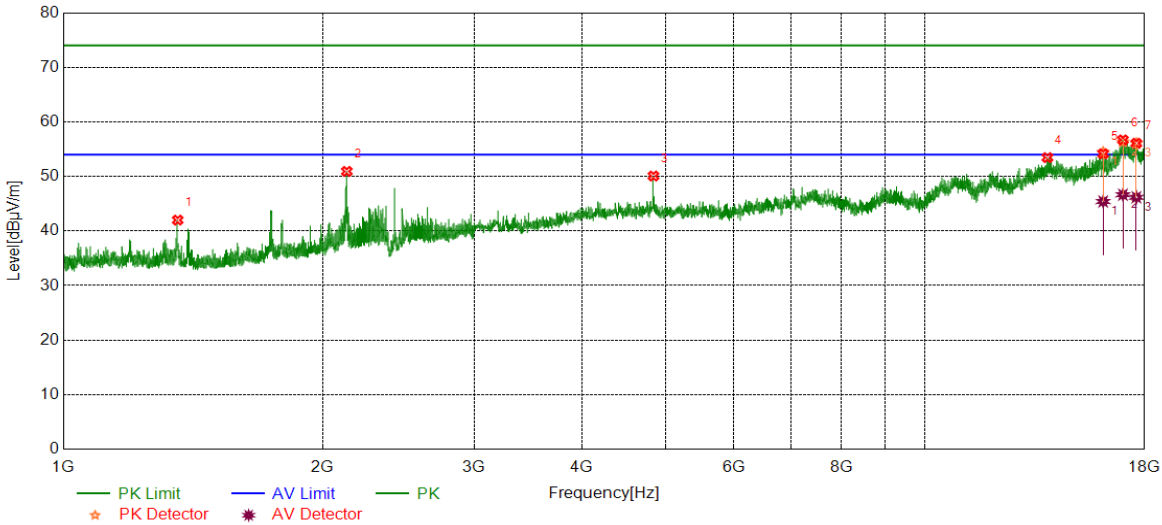


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1299.2874	48.68	-5.60	43.08	74.00	-30.92	peak
2	2133.8917	53.72	-2.51	51.21	74.00	-22.79	peak
3	4843.3554	44.21	5.02	49.23	74.00	-24.77	peak
4	10791.5990	38.43	12.63	51.06	74.00	-22.94	peak
5	15989.7487	36.57	17.59	54.16	74.00	-19.84	peak
		27.03	17.59	44.62	54.00	-9.38	average
6	17152.3940	38.47	19.74	58.21	74.00	-15.79	peak
		28.12	19.74	47.86	54.00	-6.14	average
7	17594.9494	38.05	19.58	57.63	74.00	-16.37	peak
		28.10	19.58	47.68	54.00	-6.32	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
11n HT40	LCH	Vertical	PASS

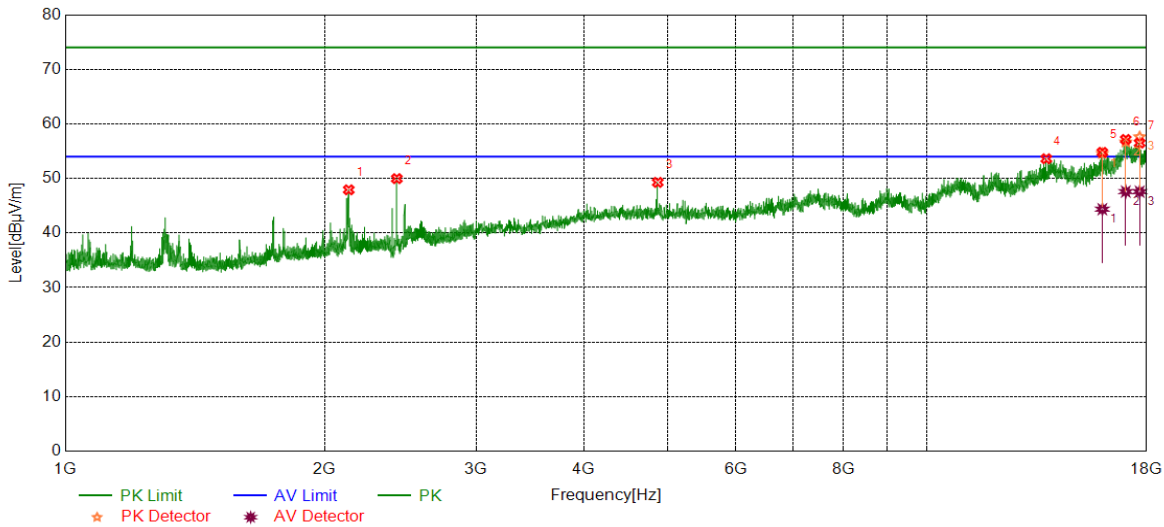


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1358.0448	47.68	-5.68	42.00	74.00	-32.00	peak
2	2134.1418	53.44	-2.51	50.93	74.00	-23.07	peak
3	4843.3554	45.06	5.02	50.08	74.00	-23.92	peak
4	13881.9852	37.35	16.11	53.46	74.00	-20.54	peak
		37.08	17.35	54.43	74.00	19.57	peak
5	16111.6390	28.06	17.35	45.41	54.00	8.59	average
		36.40	19.94	56.34	74.00	-17.66	peak
6	16985.4982	26.71	19.94	46.65	54.00	-7.35	average
		37.31	18.74	56.05	74.00	-17.95	peak
7	17608.0760	27.44	18.74	46.18	54.00	-7.82	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
11n HT40	MCH	Horizontal	PASS

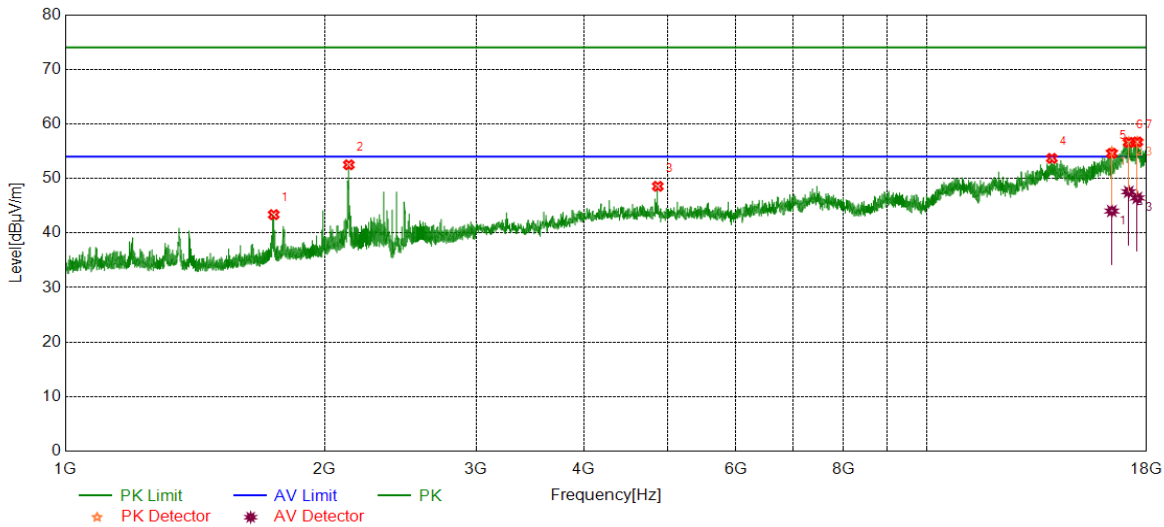


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2133.6417	50.43	-2.51	47.92	74.00	-26.08	peak
2	2426.1783	51.12	-1.15	49.97	74.00	-24.03	peak
3	4873.3592	44.07	5.21	49.28	74.00	-24.72	peak
4	13765.7207	38.34	15.27	53.61	74.00	-20.39	peak
5	15989.7487	36.98	17.59	54.57	74.00	-19.43	peak
		26.77	17.59	44.36	54.00	-9.64	average
6	17023.0029	36.51	20.18	56.69	74.00	-17.31	peak
		27.41	20.18	47.59	54.00	-6.41	average
7	17668.0835	38.00	19.63	57.63	74.00	-16.37	peak
		27.95	19.63	47.58	54.00	-6.42	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
11n HT40	MCH	Vertical	PASS

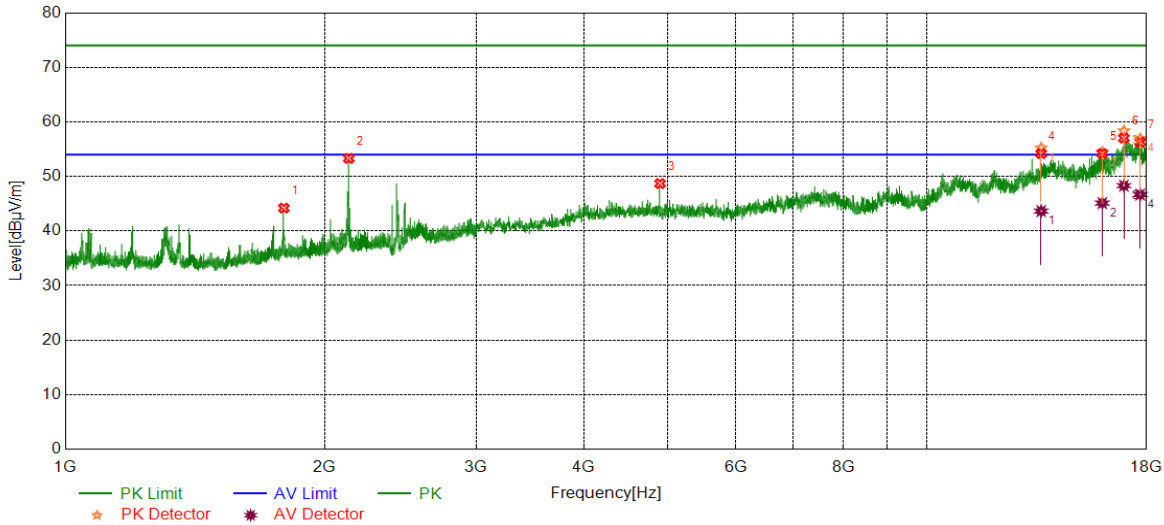


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1746.0933	47.77	-4.41	43.36	74.00	-30.64	peak
2	2134.1418	55.01	-2.51	52.50	74.00	-21.50	peak
3	4873.3592	43.35	5.21	48.56	74.00	-25.44	peak
4	13971.9965	37.63	16.05	53.68	74.00	-20.32	peak
		37.68	17.12	54.80	74.00	-19.20	peak
5	16402.3003	26.91	17.12	44.03	54.00	-9.97	average
		36.88	19.74	56.62	74.00	-17.38	peak
6	17159.8950	27.82	19.74	47.56	54.00	-6.44	average
		37.27	19.42	56.69	74.00	-17.31	peak
7	17559.3199	27.01	19.42	46.43	54.00	-7.57	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
11n HT40	HCH	Horizontal	PASS

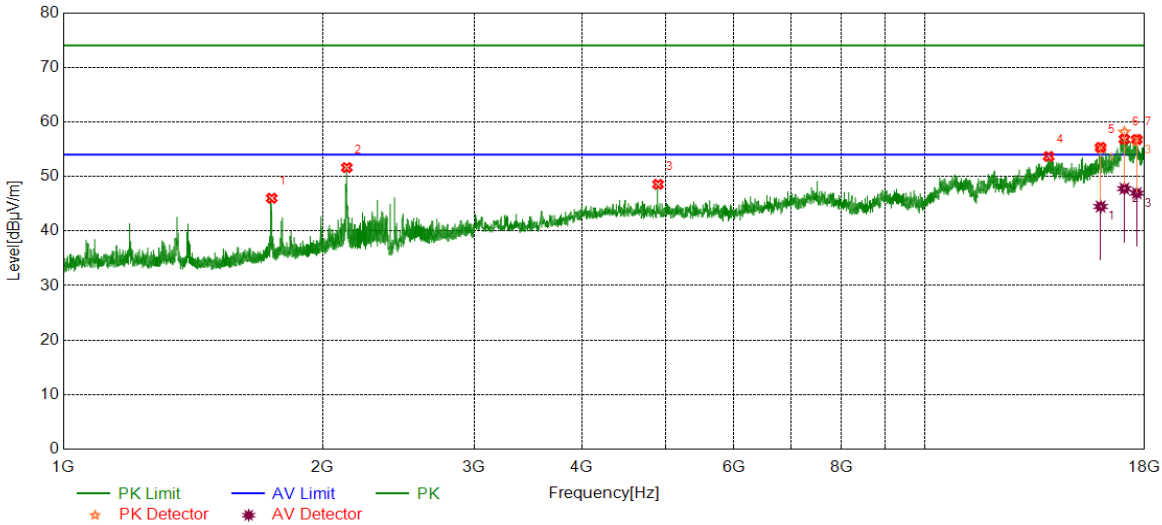


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1794.0993	48.14	-3.94	44.20	74.00	-29.80	peak
2	2133.8917	55.82	-2.51	53.31	74.00	-20.69	peak
3	4903.3629	43.63	5.07	48.70	74.00	-25.30	peak
4	13578.1973	40.34	14.88	55.22	74.00	-18.78	peak
		28.77	14.88	43.65	54.00	-10.35	average
5	15987.8735	37.04	17.37	54.41	74.00	-19.59	peak
		27.75	17.37	45.12	54.00	-8.88	average
6	16938.6173	38.44	19.94	58.38	74.00	-15.62	peak
		28.37	19.94	48.31	54.00	-5.69	average
7	17694.3368	38.49	18.43	56.92	74.00	-17.08	peak
		28.25	18.43	46.68	54.00	-7.32	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
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	1746.0933	50.42	-4.41	46.01	74.00	-27.99	peak
2	2133.8917	54.13	-2.51	51.62	74.00	-22.38	peak
3	4903.3629	43.49	5.07	48.56	74.00	-25.44	peak
4	13928.8661	37.61	16.05	53.66	74.00	-20.34	peak
		37.78	17.36	55.14	74.00	-18.86	peak
5	16002.8754	27.13	17.36	44.49	54.00	-9.51	average
		37.67	20.48	58.15	74.00	-15.85	peak
6	17051.1314	27.29	20.48	47.77	54.00	-6.23	average
		37.47	19.21	56.68	74.00	-17.32	peak
7	17628.7036	27.72	19.21	46.93	54.00	-7.07	average

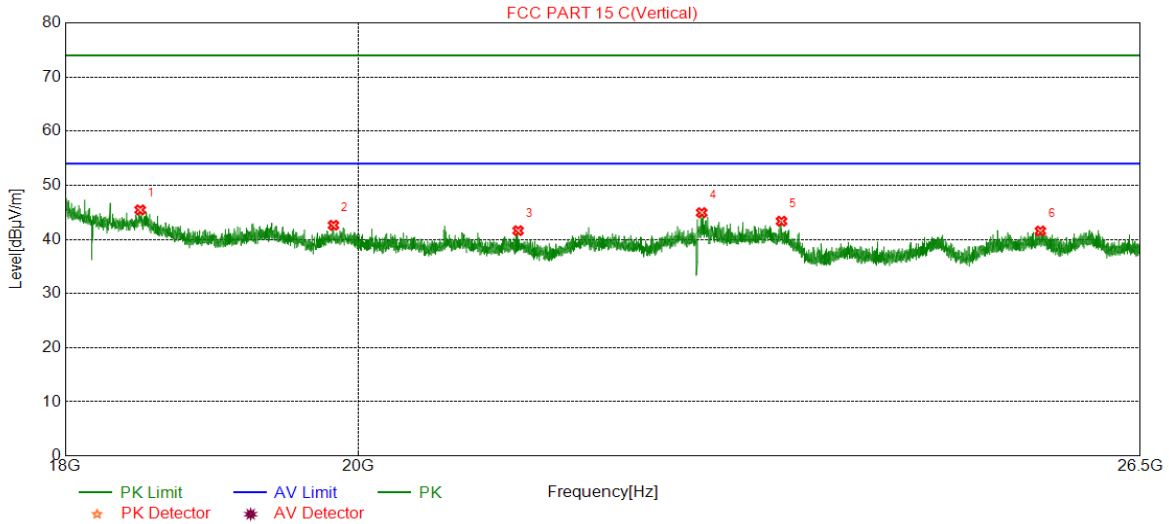
- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
 4. Peak: Peak detector.
 5. Confirm that the test have added the Band Reject Filter losses during 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.



Part II: 18GHz~26.5GHz

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

Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS

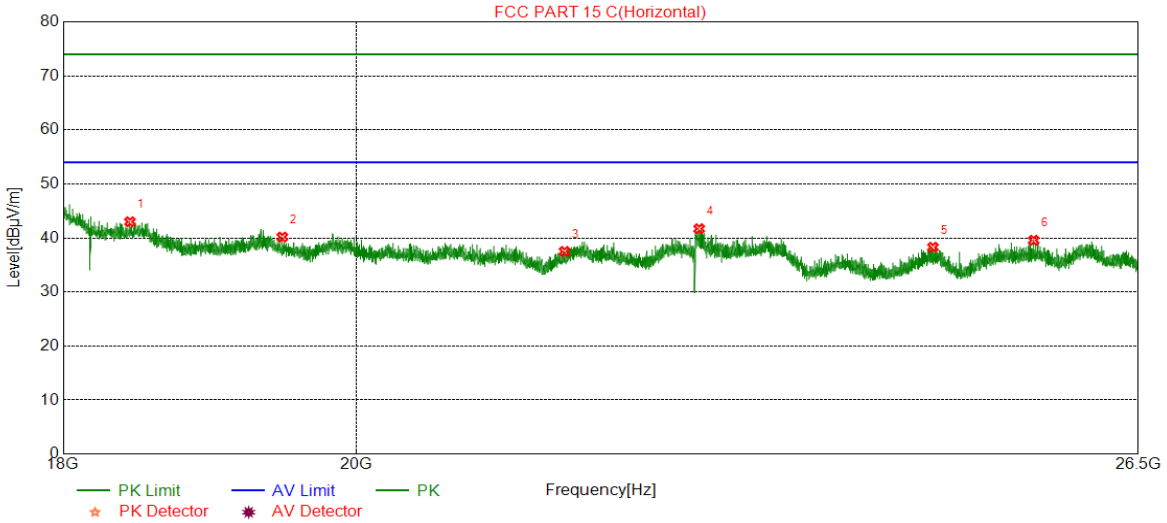


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	18492.1992	46.39	-0.94	45.45	74.00	-28.55	peak
2	19824.2824	43.22	-0.61	42.61	74.00	-31.39	peak
3	21186.1186	42.43	-0.82	41.61	74.00	-32.39	peak
4	22632.9633	44.00	0.94	44.94	74.00	-29.06	peak
5	23292.6293	42.89	0.47	43.36	74.00	-30.64	peak
6	25566.6067	40.59	0.96	41.55	74.00	-32.45	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	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	18437.7938	43.95	-0.96	42.99	74.00	-31.01	peak
2	19476.5977	40.90	-0.74	40.16	74.00	-33.84	peak
3	21558.4558	37.94	-0.44	37.50	74.00	-36.50	peak
4	22628.7129	40.77	0.94	41.71	74.00	-32.29	peak
5	24614.5115	38.70	-0.42	38.28	74.00	-35.72	peak
6	25523.2523	38.68	0.89	39.57	74.00	-34.43	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.

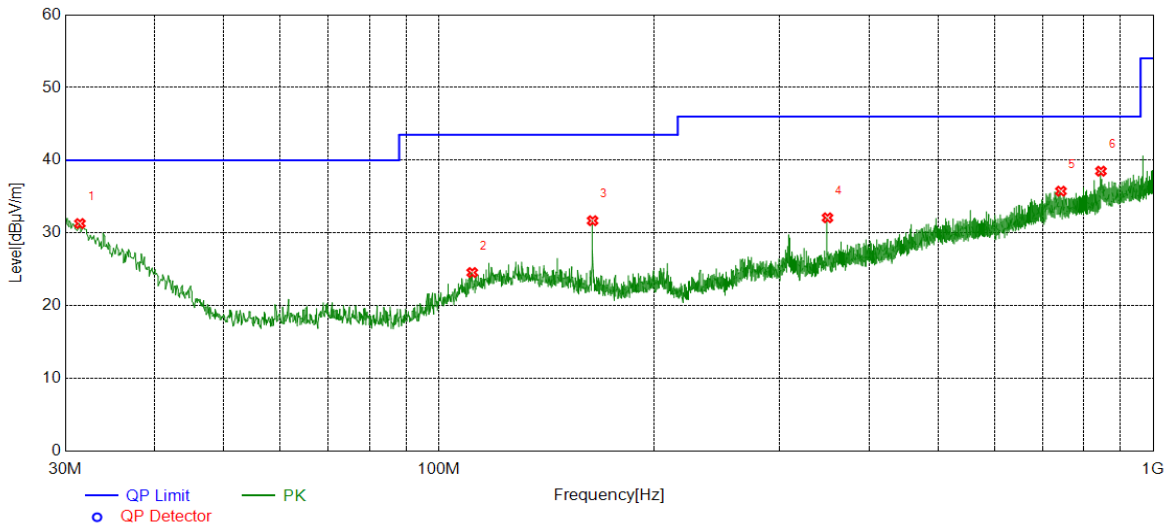
Note: All constructions and test modes and channels have been tested, only the worst data record in the report.



Part III: 30MHz~1GHz

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

Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS

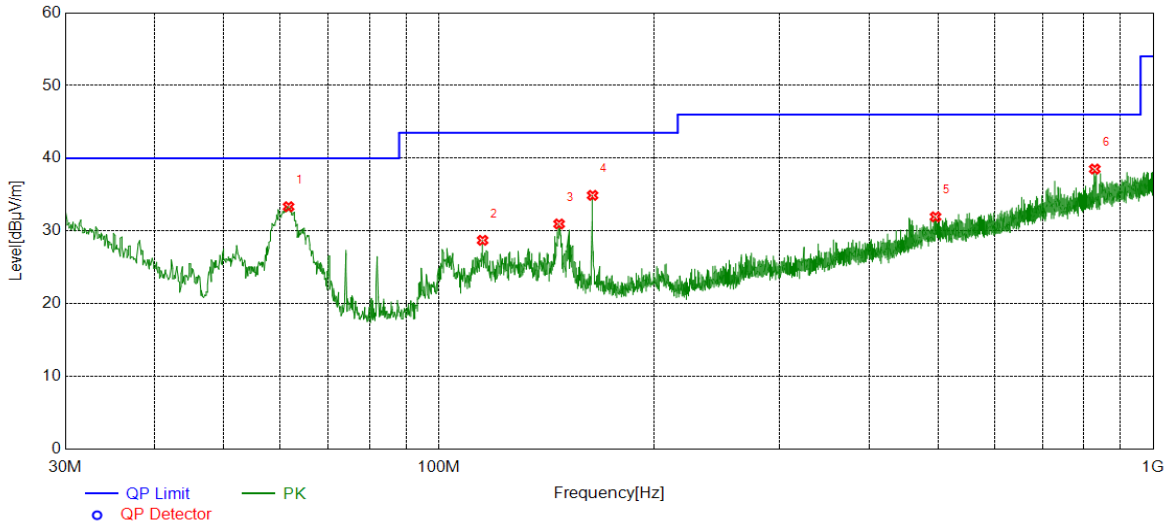


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	31.4551	5.08	26.22	31.30	40.00	-8.70	peak
2	111.3911	5.75	18.81	24.56	43.50	-18.94	peak
3	164.1644	13.15	18.54	31.69	43.50	-11.81	peak
4	350.0350	10.43	21.66	32.09	46.00	-13.91	peak
5	742.8273	6.69	29.06	35.75	46.00	-10.25	peak
6	844.9785	8.14	30.36	38.50	46.00	-7.50	peak

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



Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	61.6252	19.23	14.11	33.34	40.00	-6.66	peak
2	115.1745	9.24	19.48	28.72	43.50	-14.78	peak
3	147.3817	11.48	19.49	30.97	43.50	-12.53	peak
4	164.1644	16.36	18.54	34.90	43.50	-8.60	peak
5	495.8406	6.34	25.61	31.95	46.00	-14.05	peak
6	828.3898	8.37	30.15	38.52	46.00	-7.48	peak

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

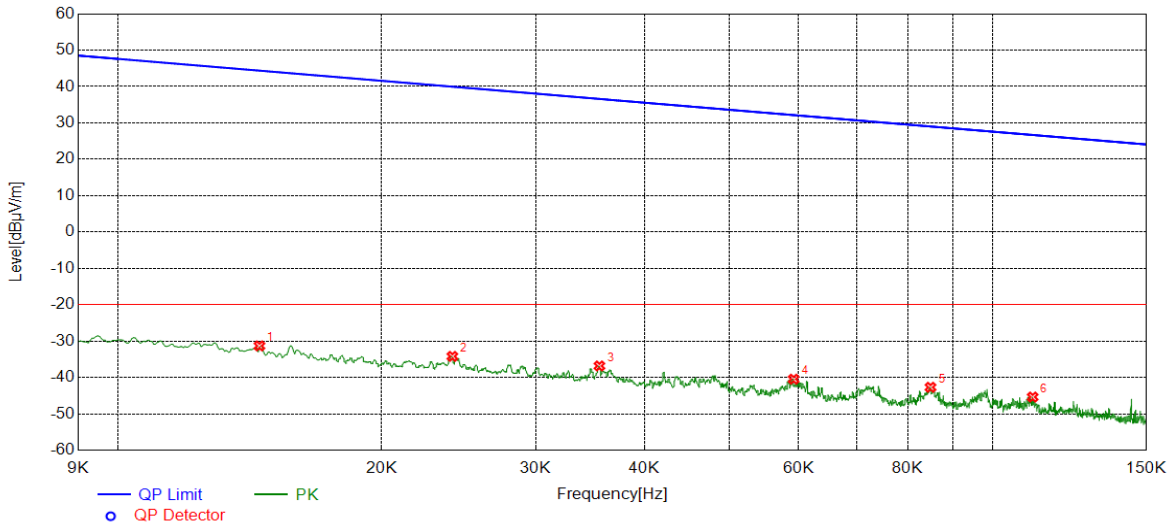
Note: All constructions and test modes and channels have been tested, only the worst data record in the report.



Part IV: 9KHz~30MHz

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

Test Mode	Channel	Frequency Range	Verdict
11B	HCH	9KHz~150KHz	PASS

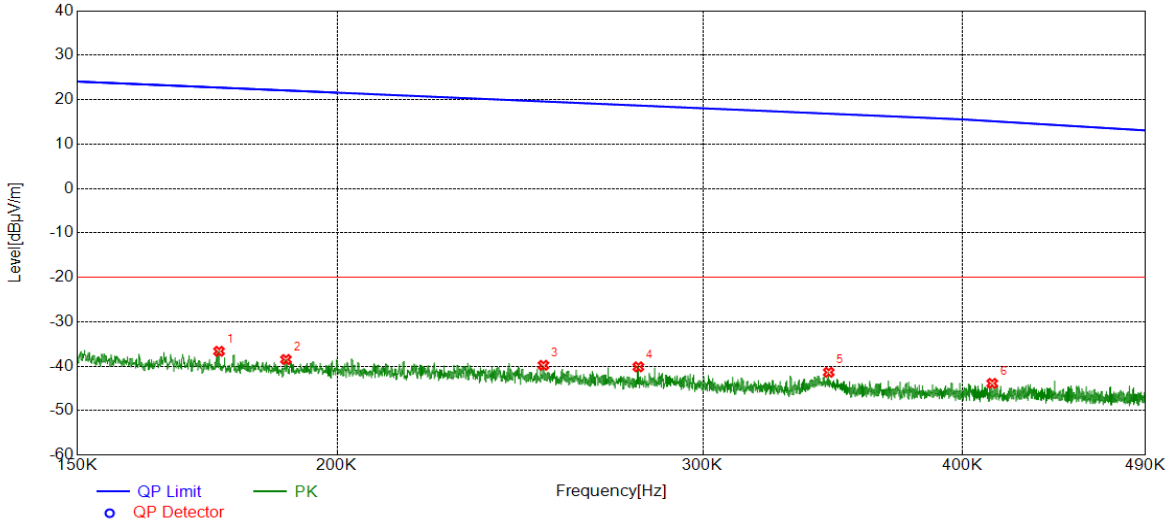


No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0145	29.80	-61.12	-31.32	44.34	-75.66	peak
2	0.0241	26.79	-60.99	-34.20	39.96	-74.16	peak
3	0.0355	24.23	-61.06	-36.83	36.59	-73.42	peak
4	0.0592	20.83	-61.30	-40.47	32.16	-72.63	peak
5	0.0849	18.58	-61.28	-42.70	29.03	-71.73	peak
6	0.1111	15.61	-60.99	-45.38	26.70	-72.08	peak

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



Test Mode	Channel	Frequency Range	Verdict
11B	HCH	150KHz~490KHz	PASS

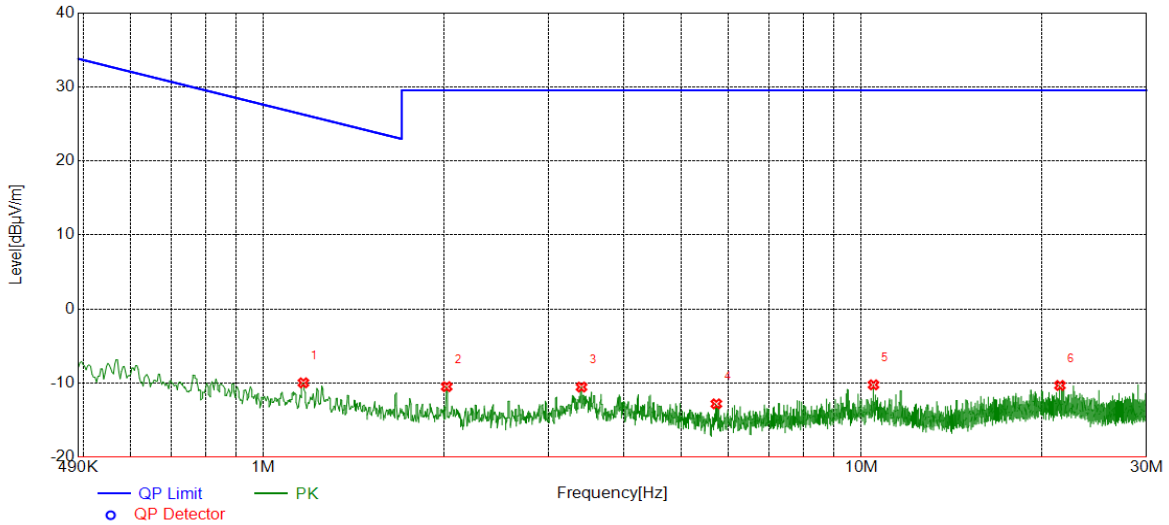


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1755	24.69	-61.32	-36.63	22.72	-59.35	peak
2	0.1890	22.77	-61.25	-38.48	22.08	-60.56	peak
3	0.2514	21.15	-60.94	-39.79	19.59	-59.38	peak
4	0.2793	20.78	-60.92	-40.14	18.68	-58.82	peak
5	0.3449	19.49	-60.86	-41.37	16.85	-58.22	peak
6	0.4134	16.95	-60.80	-43.85	15.16	-59.01	peak

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



Test Mode	Channel	Frequency Range	Verdict
11B	HCH	490KHz~30MHz	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1.1658	10.49	-20.46	-9.97	26.27	-36.24	peak
2	2.0247	9.85	-20.34	-10.49	29.54	-40.03	peak
3	3.4029	9.88	-20.42	-10.54	29.54	-40.08	peak
4	5.7197	7.37	-20.18	-12.81	29.54	-42.35	peak
5	10.4772	8.78	-19.02	-10.24	29.54	-39.78	peak
6	21.4855	7.32	-17.65	-10.33	29.54	-39.87	peak

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

Note: All constructions and test modes and channels have been tested, only the worst data record in the report.

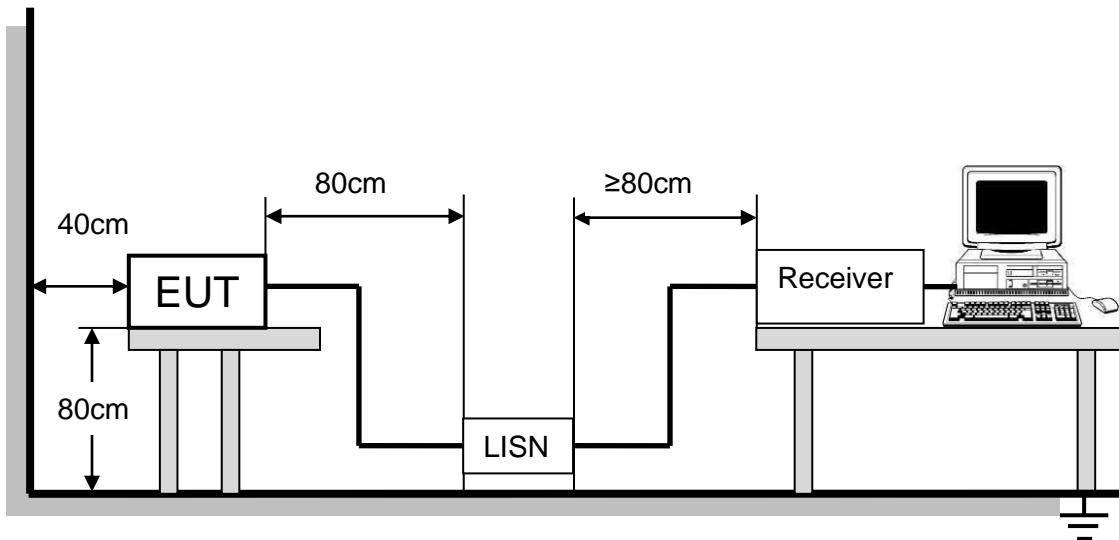
8. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a)

FREQUENCY (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

TEST SETUP AND PROCEDURE



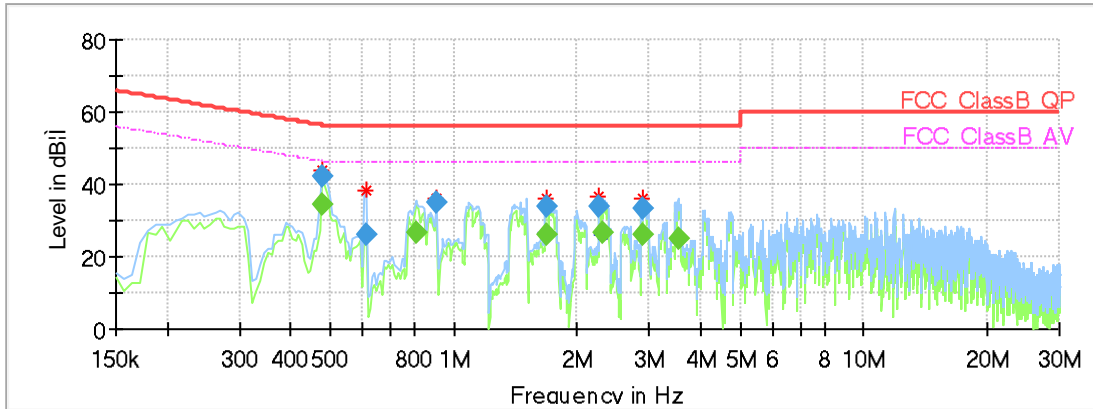
The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.

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



TEST RESULTS (WORST CASE CONFIGURATION)

For L Line:



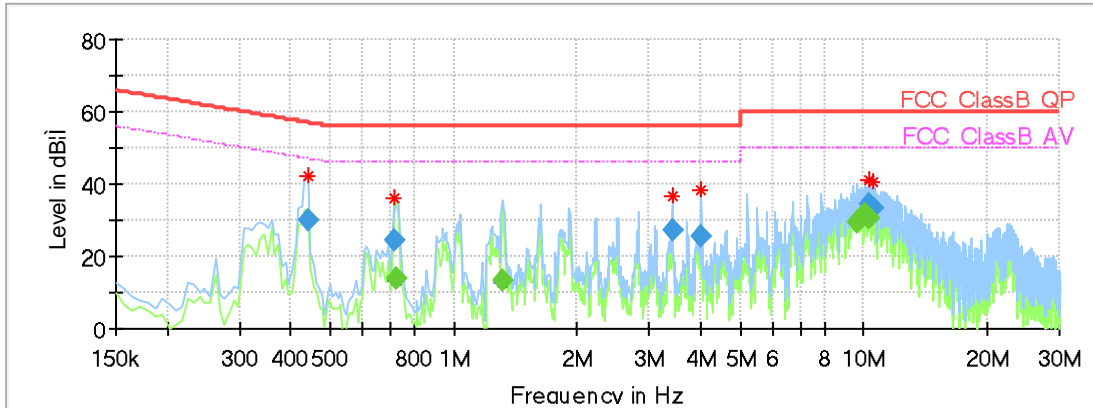
Final_Result

Frequency (MHz)	QuasiPeak (dBUV)	Average (dBUV)	Limit (dBUV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.478350	---	34.43	46.37	11.94	1000.0	9.000	L1	OFF	9.7
0.478350	42.08	---	56.37	14.29	1000.0	9.000	L1	OFF	9.7
0.612675	25.92	---	56.00	30.08	1000.0	9.000	L1	OFF	9.6
0.806700	---	26.42	46.00	19.58	1000.0	9.000	L1	OFF	9.6
0.911175	35.22	---	56.00	20.78	1000.0	9.000	L1	OFF	9.7
1.687275	33.81	---	56.00	22.19	1000.0	9.000	L1	OFF	9.6
1.687275	---	26.08	46.00	19.92	1000.0	9.000	L1	OFF	9.6
2.269350	33.69	---	56.00	22.31	1000.0	9.000	L1	OFF	9.7
2.314125	---	26.39	46.00	19.61	1000.0	9.000	L1	OFF	9.7
2.903663	---	26.25	46.00	19.75	1000.0	9.000	L1	OFF	9.8
2.903663	33.60	---	56.00	22.40	1000.0	9.000	L1	OFF	9.8
3.530513	---	25.17	46.00	20.83	1000.0	9.000	L1	OFF	9.8

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.
 4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
 5. Pre-testing all test modes and channels, and find the HCH of 11n HT40 which is the worst case, so only the worst case is included in this test report.



For N Line:



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.441038	30.07	---	57.04	26.97	1000.0	9.000	N	OFF	9.6
0.717150	24.67	---	56.00	31.33	1000.0	9.000	N	OFF	9.5
0.724613	---	13.79	46.00	32.21	1000.0	9.000	N	OFF	9.5
1.321613	---	13.14	46.00	32.86	1000.0	9.000	N	OFF	9.6
3.426038	27.15	---	56.00	28.85	1000.0	9.000	N	OFF	9.7
4.023038	25.50	---	56.00	30.50	1000.0	9.000	N	OFF	9.6
9.672150	---	29.33	50.00	20.67	1000.0	9.000	N	OFF	9.8
9.836325	---	30.31	50.00	19.69	1000.0	9.000	N	OFF	9.8
10.075125	---	31.62	50.00	18.38	1000.0	9.000	N	OFF	9.8
10.276613	34.70	---	60.00	25.30	1000.0	9.000	N	OFF	9.8
10.276613	---	30.75	50.00	19.25	1000.0	9.000	N	OFF	9.8
10.575113	33.49	---	60.00	26.51	1000.0	9.000	N	OFF	9.8

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.
 4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
 5. Pre-testing all test modes and channels, and find the HCH of 11n HT40 which is the worst case, so only the worst case is included in this test report.



9. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

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

Please refer to FCC §15.247(b)(4)

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

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi

END OF REPORT