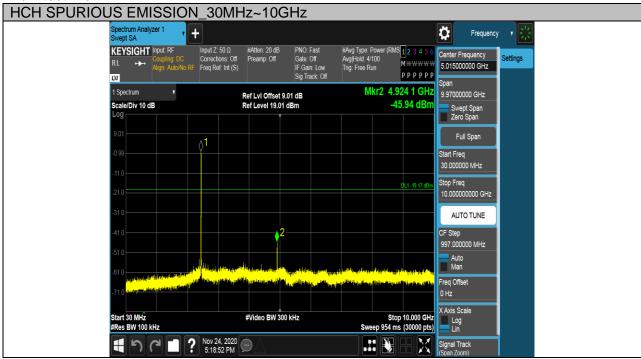
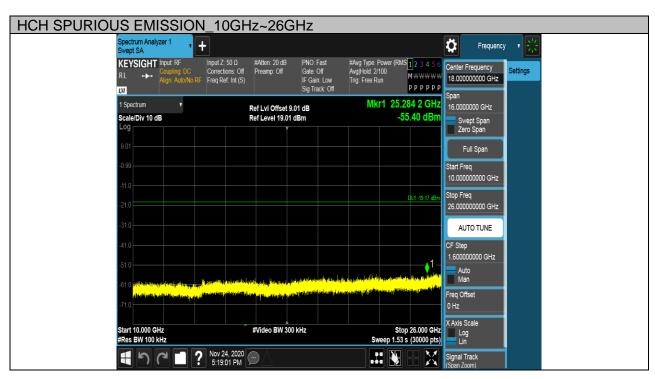


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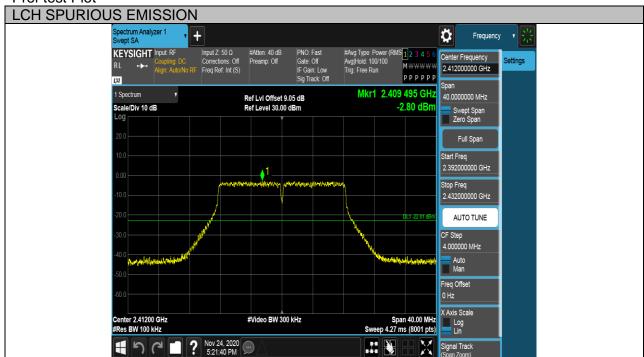






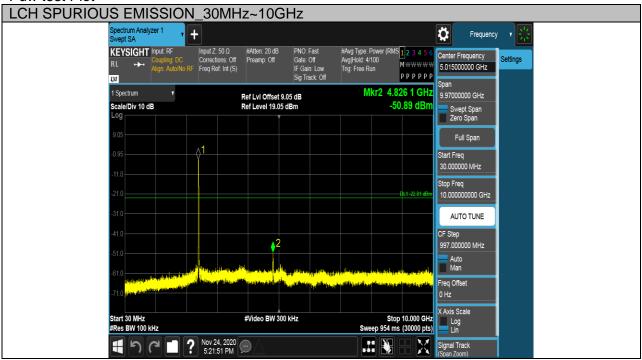
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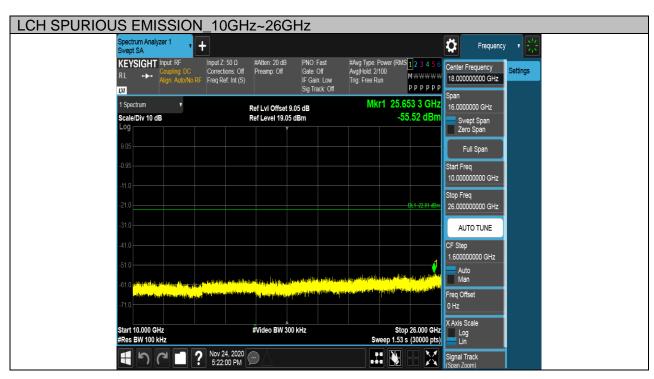
Test Mode	Channel	Verdict
11G	LCH	PASS





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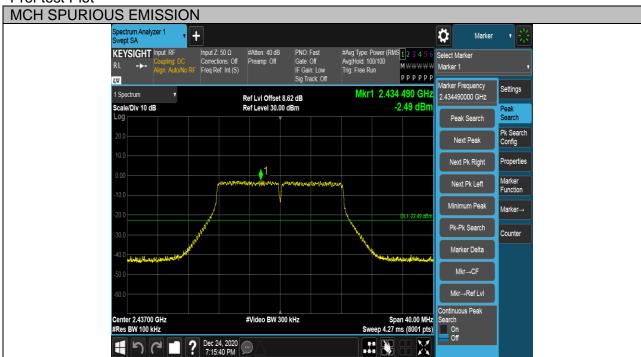






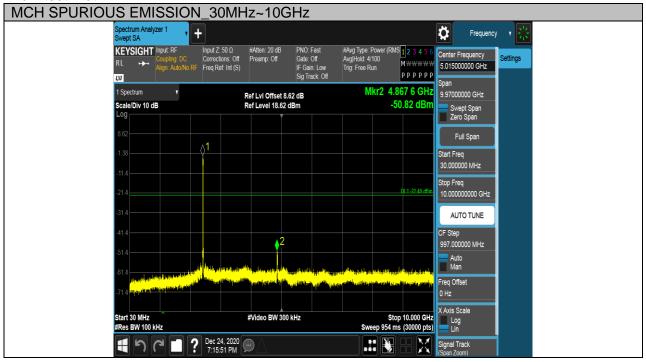
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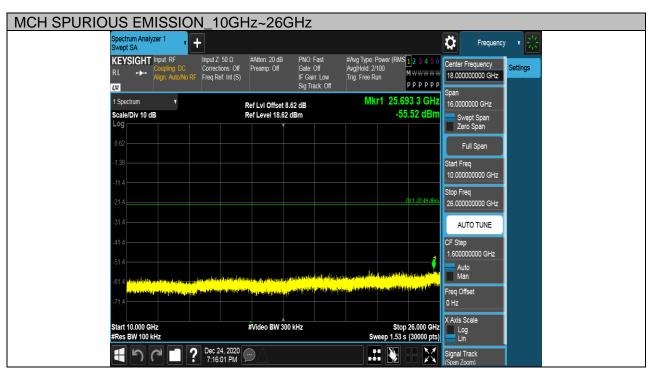
Test Mode	Channel	Verdict
11G	MCH	PASS





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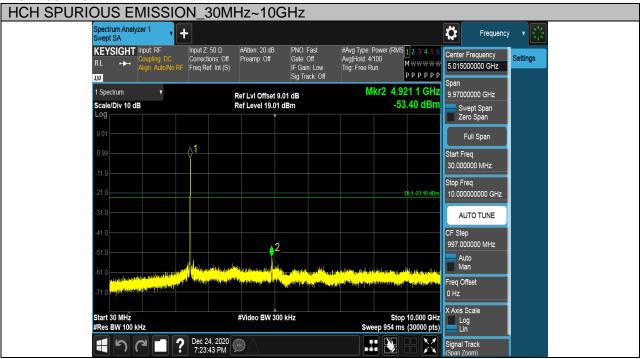
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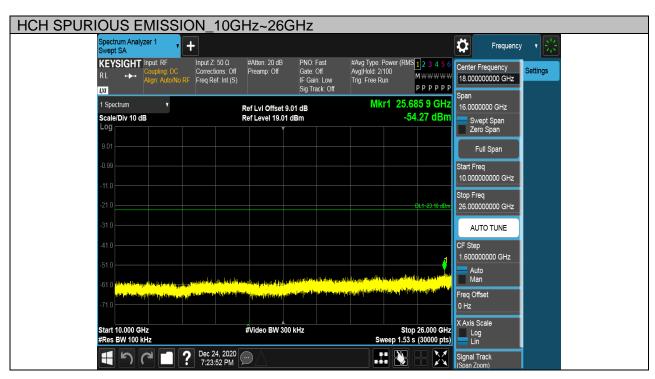
Test Mode	Channel	Verdict
11G	HCH	PASS





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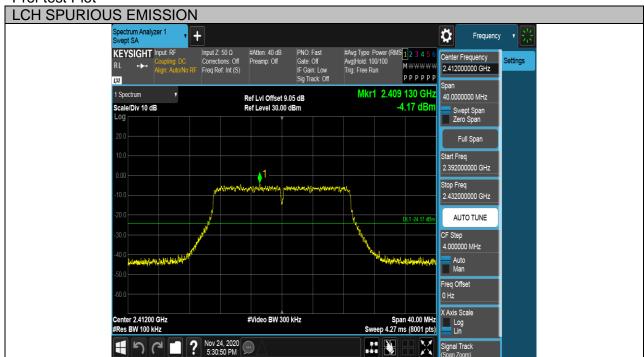






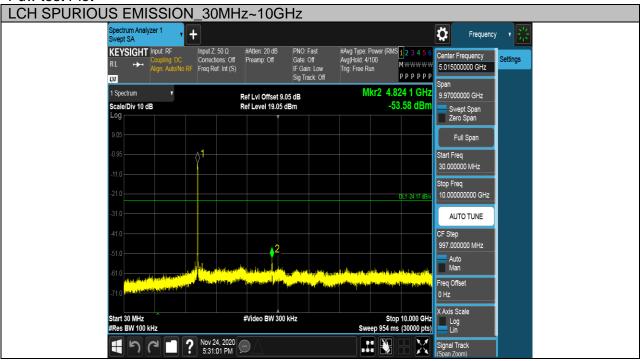
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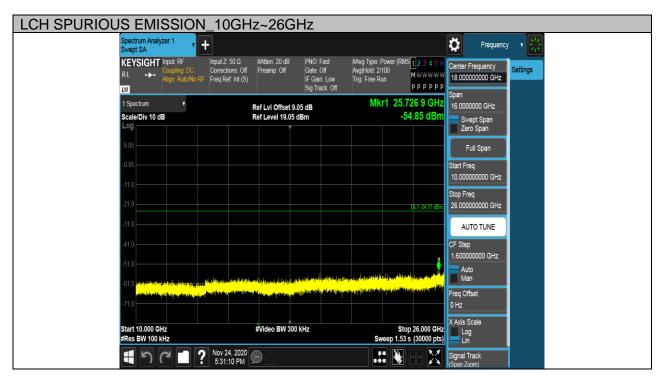
Test Mode	Channel	Verdict
11N HT20	LCH	PASS





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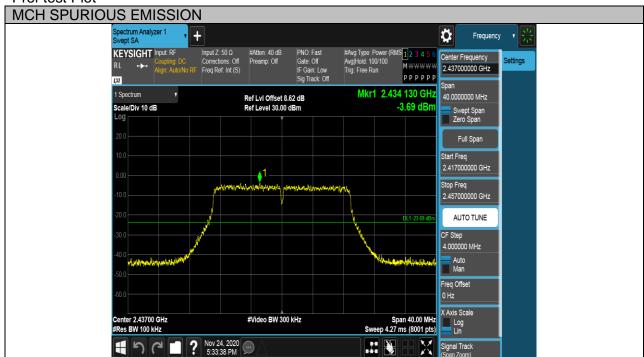






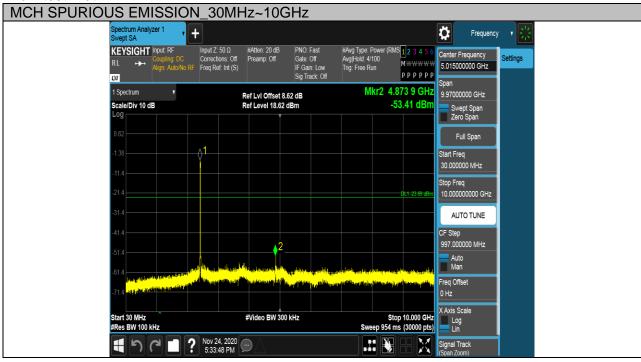
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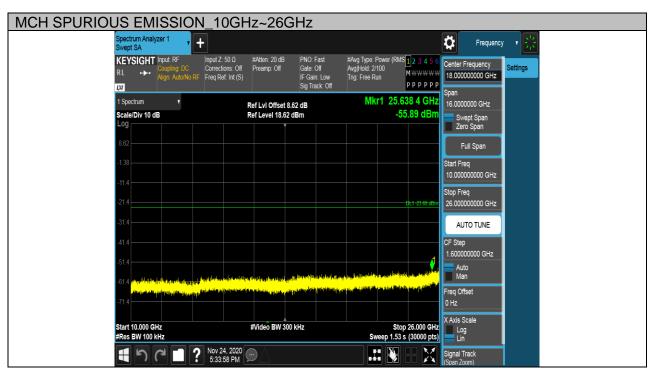
Test Mode	Channel	Verdict
11N HT20	MCH	PASS





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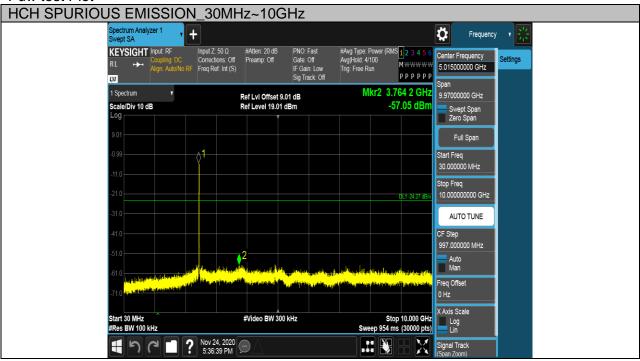
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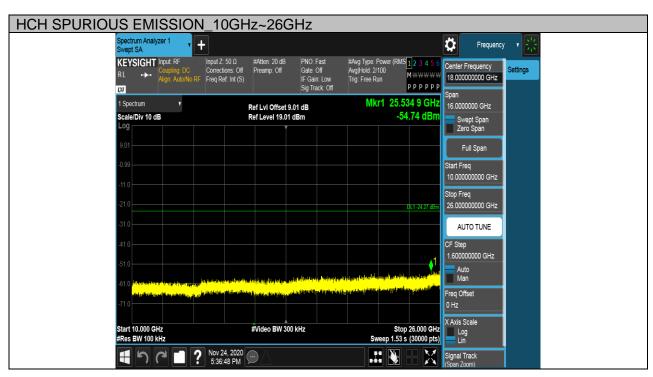
Test Mode	Channel	Verdict
11N HT20	HCH	PASS





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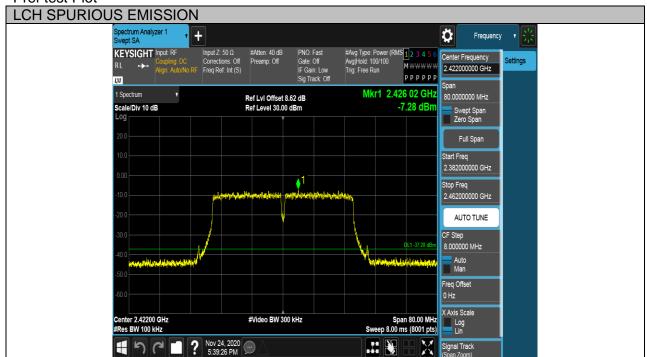






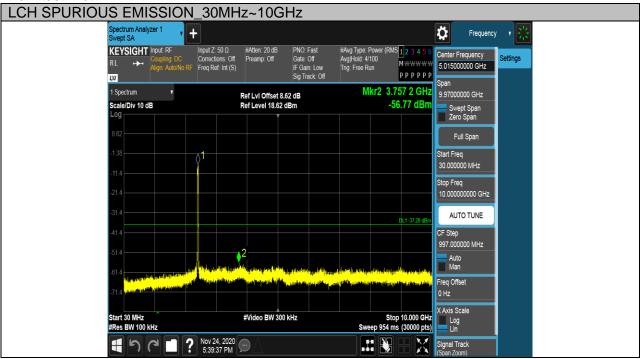
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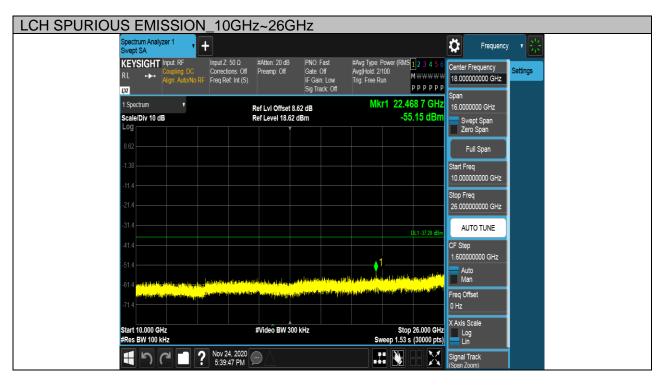
Test Mode	Channel	Verdict
11N HT40	LCH	PASS





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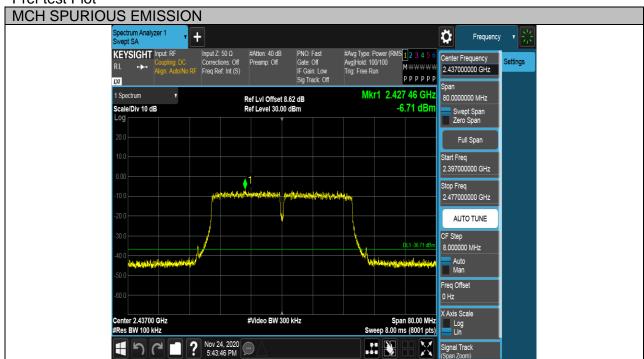






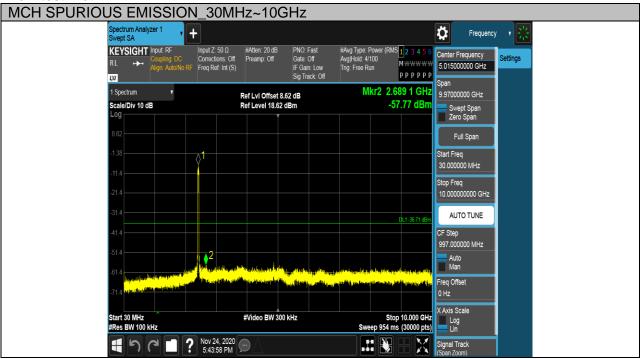
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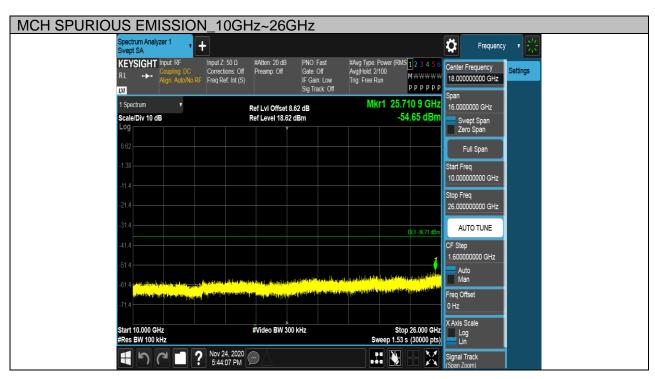
Test Mode	Channel	Verdict
11N HT40	MCH	PASS





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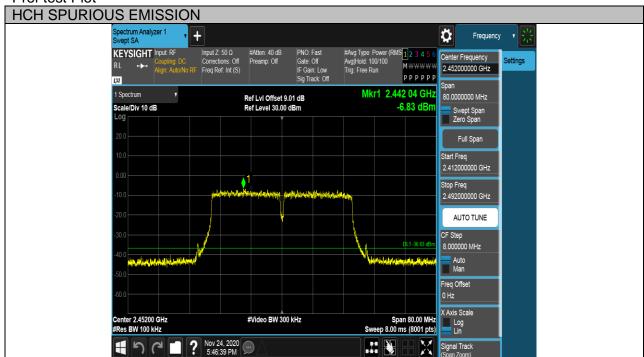






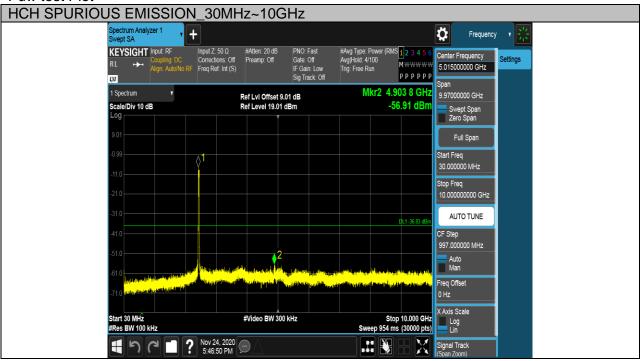
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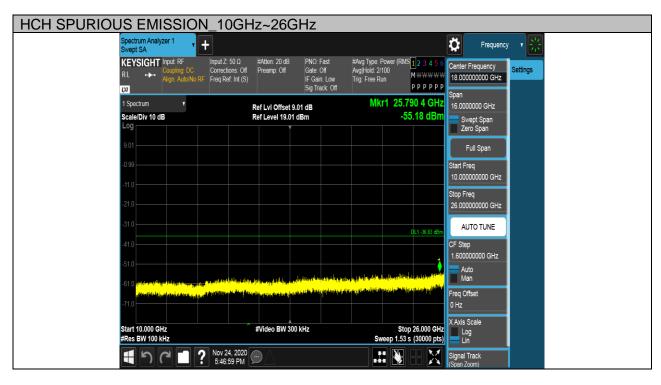
Test Mode	Channel	Verdict
11N HT40	HCH	PASS





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## 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.



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Radiation Disturbance Test Limit for FCC (Above 1G)

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

# Restricted bands of operation

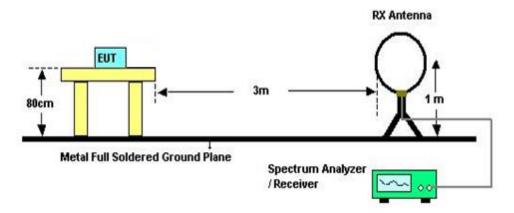
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5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

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



#### **TEST SETUP AND PROCEDURE**

Below 30MHz

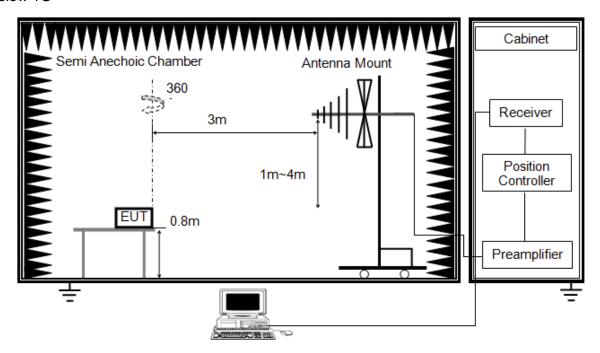


## The setting of the spectrum analyser

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, 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

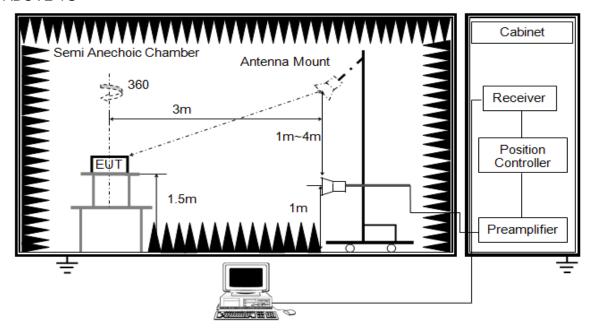


The setting of the spectrum analyser

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



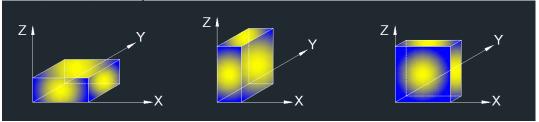
The setting of the spectrum analyser

RBW	1M
IVBW	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 ≤RBW/100, but not less than list in section7.1 with average 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)







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

# 7.6.2. TEST ENVIRONMENT

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

# 7.6.3. RESTRICTED BANDEDGE

## Test Result Table

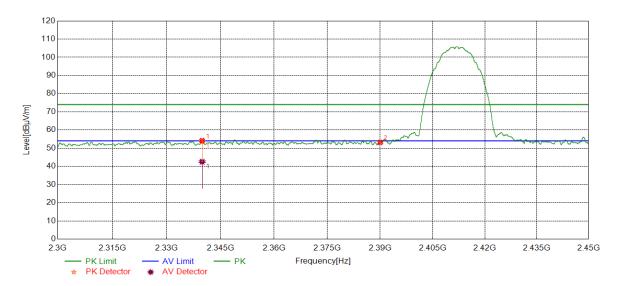
Test Mode	Channel	Puw(dBm)	Verdict
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11B	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11G	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT20	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT40	HCH	<limit< td=""><td>PASS</td></limit<>	PASS



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## **Test Graphs:**

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS



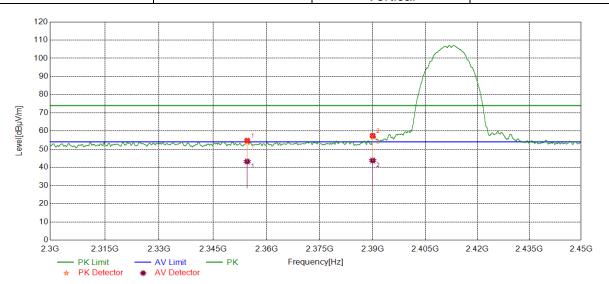
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2339.8862	40.88	13.28	54.16	74.00	-19.84	peak
I.	2339.0002	29.26	13.28	42.54	54.00	-11.46	average
2	2390.0000	39.44	13.75	53.19	74.00	-20.81	peak

- 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.



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Test Mode	Channel	Polarization	Verdict	
11B	LCH	Vertical	PASS	

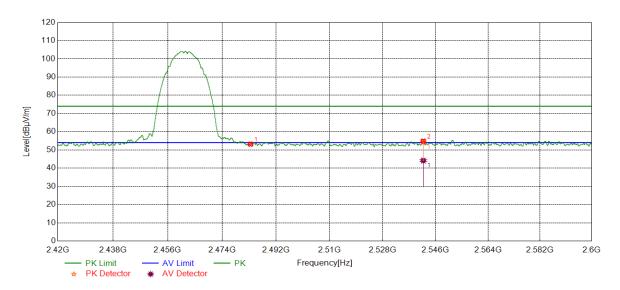


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
4	2354.5693	41.31	13.44	54.75	74.00	-19.25	peak
1	2334.3693	29.79	13.44	43.23	54.00	-10.77	average
2	2200 0000	43.69	13.75	57.44	74.00	-16.56	peak
	2390.0000	30.03	13.75	43.78	54.00	-10.22	average

- 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS

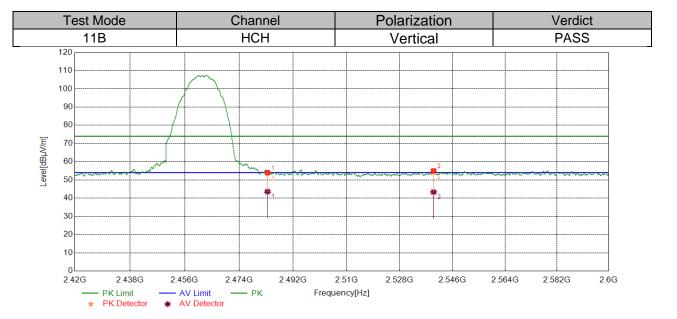


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	39.68	13.51	53.19	74.00	-20.81	peak
2	2541.8182	40.92	13.88	54.80	74.00	-19.20	peak
	2341.0102	30.29	13.88	44.17	54.00	-9.83	average

- 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.

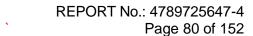


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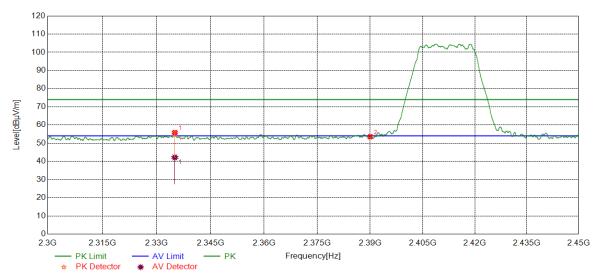
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4 0400 5000	40.57	13.51	54.08	74.00	-19.92	peak
1 2483.5000	30.05	13.51	43.56	54.00	-10.44	average	
2	2539.5140	41.16	13.88	55.04	74.00	-18.96	peak
	2539.5140	29.47	13.88	43.35	54.00	-10.65	average

- 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



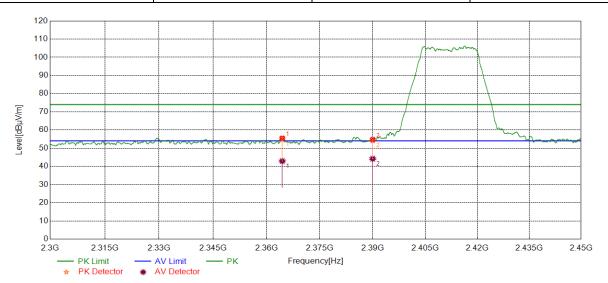
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
4 0005 (	2335.0669	42.61	13.22	55.83	74.00	-18.17	peak
ı	2333.0009	28.96	13.22	42.18	54.00	-11.82	average
2	2390.0000	39.80	13.75	53.55	74.00	-20.45	peak

- 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.



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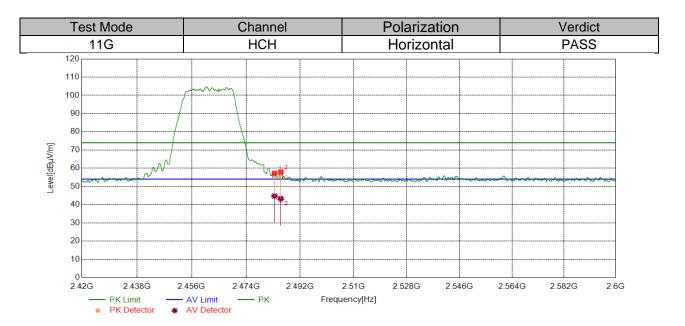
Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1 2364.4143	41.96	13.49	55.45	74.00	-18.55	peak
l		29.42	13.49	42.91	54.00	-11.09	average
2	2 2390.0000	40.98	13.75	54.73	74.00	-19.27	peak
		30.43	13.75	44.18	54.00	-9.82	average

- 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.





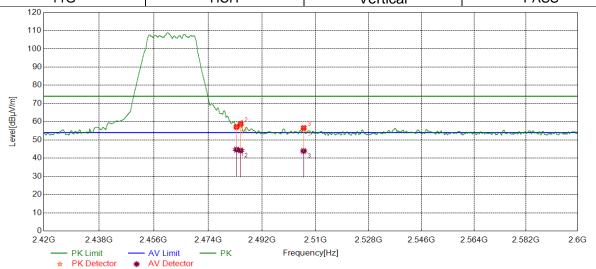
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
4	1 2483.5000	43.78	13.51	57.29	74.00	-16.71	peak
'		31.22	13.51	44.73	54.00	-9.27	average
2	2 2485.5986	44.43	13.53	57.96	74.00	-16.04	peak
2		29.75	13.53	43.28	54.00	-10.72	average

- 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.



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Test Mode Channel Polarization Verdict
11G HCH Vertical PASS

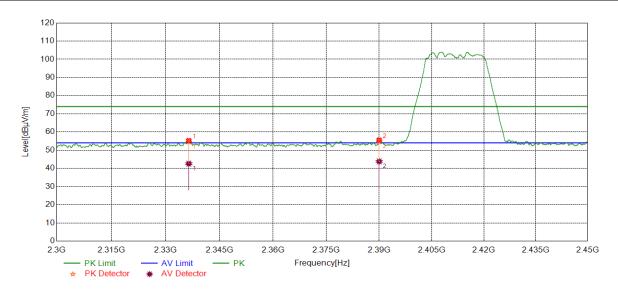


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1 2483.5000	43.74	13.51	57.25	74.00	-16.75	peak
l I		31.16	13.51	44.67	54.00	-9.33	average
2	2404 0705	45.20	13.53	58.73	74.00	-15.27	peak
2	2484.8785	30.70	13.53	44.23	54.00	-9.77	average
2	2505 0046	42.92	13.69	56.61	74.00	-17.39	peak
3	2505.9946	30.24	13.69	43.93	54.00	-10.07	average

- 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



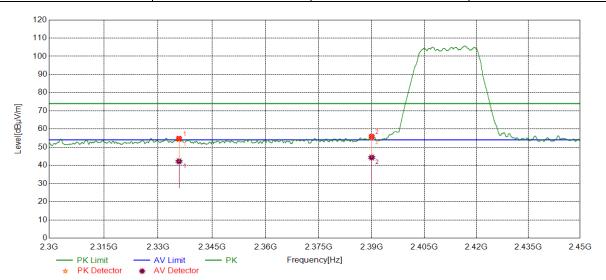
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
4	1 2336.4546	42.04	13.23	55.27	74.00	-18.73	peak
1		2336.4346 29.36 13.23	42.59	54.00	-11.41	average	
2	2390.0000	41.76	13.75	55.51	74.00	-18.49	peak
		30.07	13.75	43.82	54.00	-10.18	average

- 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.



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Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS



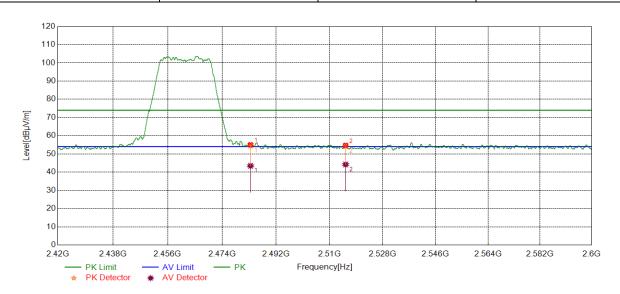
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1 2335.8170	41.53	13.22	54.75	74.00	-19.25	peak
Į į		29.02	13.22	42.24	54.00	-11.76	average
2	2 2200 0000	42.14	13.75	55.89	74.00	-18.11	peak
	2390.0000	30.58	13.75	44.33	54.00	-9.67	average

- 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

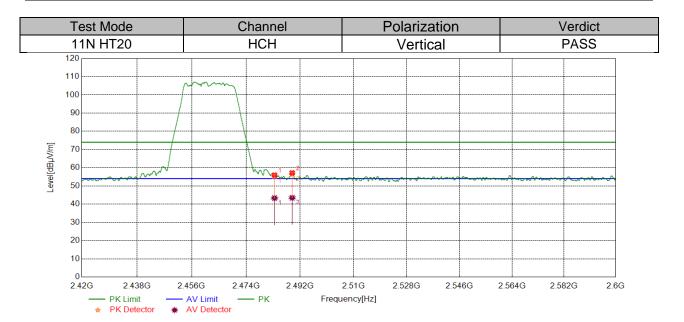


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
4	2492 5000	41.52	13.51	55.03	74.00	-18.97	peak
1	1 2483.5000	29.96	13.51	43.47	54.00	-10.53	average
2	2 2515.4275	40.95	13.76	54.71	74.00	-19.29	peak
2		30.45	13.76	44.21	54.00	-9.79	average

- 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.

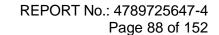


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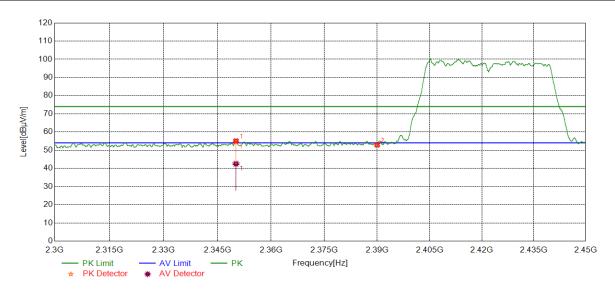
	No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
ĺ	1 0400 5000	2483.5000	42.46	13.51	55.97	74.00	-18.03	peak
	ı	2463.3000	29.83	13.51	43.34	54.00	-10.66	average
Ī	2	2 2490 2060	43.61	13.55	57.16	74.00	-16.84	peak
	2 2489.3969	29.93	13.55	43.48	54.00	-10.52	average	

- 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



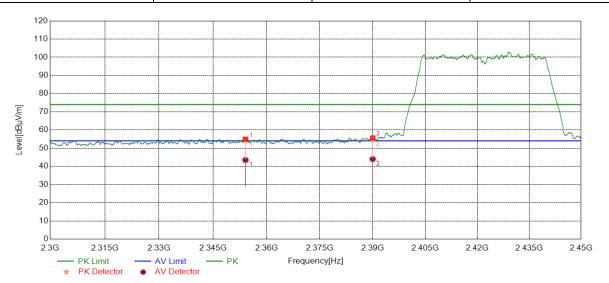
ı	No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
	4 0050 4005	2350.1625	41.69	13.38	55.07	74.00	-18.93	peak
	ı	2330.1623	29.13	13.38	42.51	54.00	-11.49	average
	2	2390.0000	39.17	13.75	52.92	74.00	-21.08	peak

- 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.



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Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Vertical	PASS

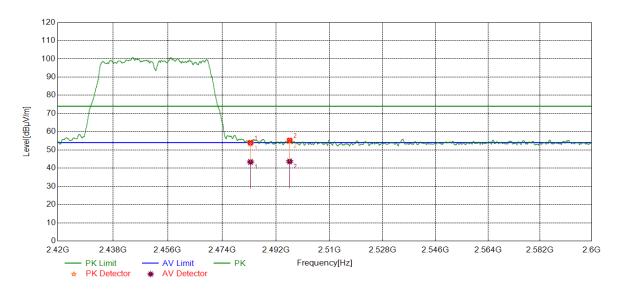


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
4	4 0054 0040	41.56	13.43	54.99	74.00	-19.01	peak
1	2354.0818	30.05	13.43	43.48	54.00	-10.52	average
2	2 2200 0000	41.95	13.75	55.70	74.00	-18.30	peak
2 2390	2390.0000	30.26	13.75	44.01	54.00	-9.99	average

- 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



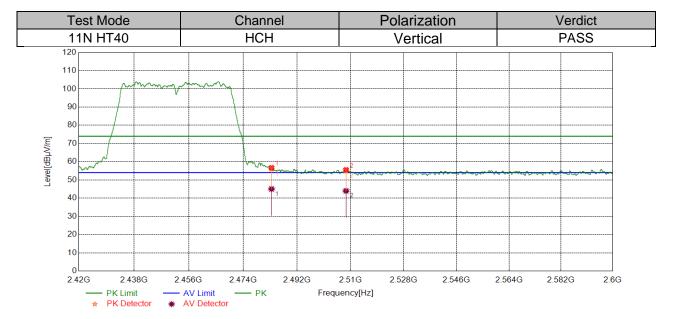
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0400 5000	40.51	13.51	54.02	74.00	-19.98	peak
'	2483.5000	29.90	13.51	43.41	54.00	-10.59	average
2	2496.5977	41.66	13.62	55.28	74.00	-18.72	peak
		30.07	13.62	43.69	54.00	-10.31	average

- 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.



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No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
4	0400 5000	43.17	13.51	56.68	74.00	-17.32	peak
'	2483.5000	31.52	13.51	45.03	54.00	-8.97	average
2	2 2508.4788	41.82	13.72	55.54	74.00	-18.46	peak
		30.27	13.72	43.99	54.00	-10.01	average

- 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~3GHz

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
		LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11B SISO	Antenna1	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
		HCH	<limit< td=""><td>PASS</td></limit<>	PASS
		LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11G SISO	Antenna1	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
		HCH	<limit< td=""><td>PASS</td></limit<>	PASS
		LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT20	Antenna1	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
		HCH	<limit< td=""><td>PASS</td></limit<>	PASS
		LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT40	Antenna1	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
		HCH	<limit< td=""><td>PASS</td></limit<>	PASS

## 2) For 3GHz~18GHz

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
		LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11B SISO	Antenna1	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
		HCH	<limit< td=""><td>PASS</td></limit<>	PASS
		LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11G SISO	Antenna1	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
		HCH	<limit< td=""><td>PASS</td></limit<>	PASS
		LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT20	Antenna1	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
		HCH	<limit< td=""><td>PASS</td></limit<>	PASS
		LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT40	Antenna1	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
		HCH	<limit< td=""><td>PASS</td></limit<>	PASS



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### 3) For 9KHz~30MHz

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11G	Antenna1	LCH	<limit< th=""><th>PASS</th></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 30MHz~1GHz

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11G	Antenna1	LCH	<limit< th=""><th>PASS</th></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.

## 5) For 18GHz~26.5GHz

Test Mode	Test Mode Test Antenna		Puw(dBm)	Verdict
11G	Antenna1	LCH	<limit< th=""><th>PASS</th></limit<>	PASS

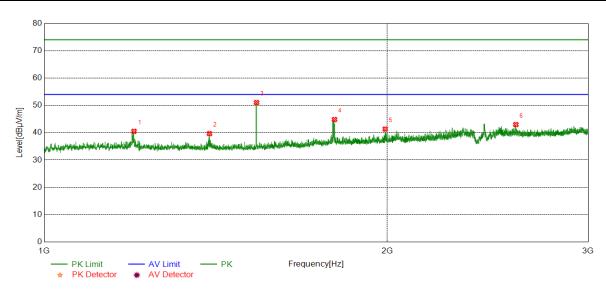
### Remark:

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~3GHz

#### HARMONICS AND SPURIOUS EMISSIONS

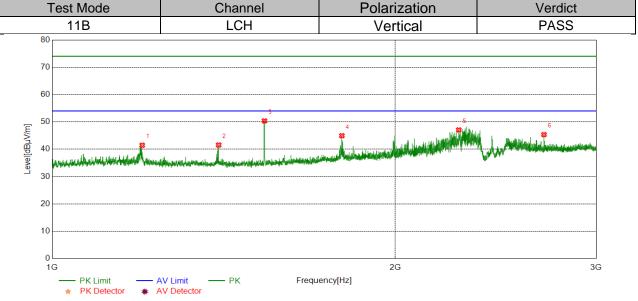
Test Mode	Test Mode Channel		Verdict	
11B	LCH	Horizontal	PASS	



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1199.0249	46.06	-5.54	40.52	74.00	-33.48	peak
2	1396.5496	45.30	-5.62	39.68	74.00	-34.32	peak
3	1535.8170	56.71	-5.68	51.03	74.00	-22.97	peak
4	1797.5997	48.72	-3.90	44.82	74.00	-29.18	peak
5	1991.6240	44.44	-3.10	41.34	74.00	-32.66	peak
6	2592.6991	43.82	-0.84	42.98	74.00	-31.02	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. AVG: VBW refer to section 7.1.
- 6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
- 7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





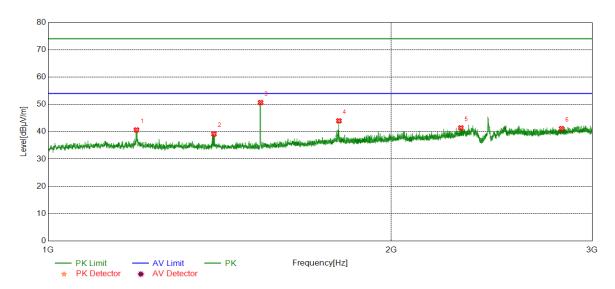
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1199.5249	46.99	-5.54	41.45	74.00	-32.55	peak
2	1399.8000	47.10	-5.55	41.55	74.00	-32.45	peak
3	1535.5669	56.05	-5.69	50.36	74.00	-23.64	peak
4	1795.3494	48.87	-3.93	44.94	74.00	-29.06	peak
5	2273.4092	49.21	-2.15	47.06	74.00	-26.94	peak
6	2700.2125	45.84	-0.49	45.35	74.00	-28.65	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. AVG: VBW refer to section 7.1.
- 6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
- 7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



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Test Mode Channel		Polarization	Verdict	
11B	MCH	Horizontal	PASS	



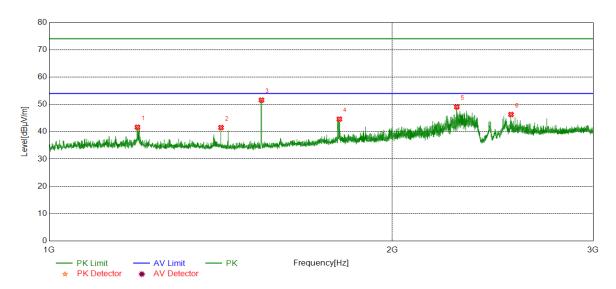
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1195.2744	46.20	-5.55	40.65	74.00	-33.35	peak
2	1397.7997	44.74	-5.59	39.15	74.00	-34.85	peak
3	1535.8170	56.34	-5.68	50.66	74.00	-23.34	peak
4	1799.0999	47.86	-3.89	43.97	74.00	-30.03	peak
5	2301.4127	43.25	-1.86	41.39	74.00	-32.61	peak
6	2820.7276	41.26	-0.13	41.13	74.00	-32.87	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. AVG: VBW refer to section 7.1.
- 6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
- 7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



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Test Mode	Test Mode Channel		Verdict
11B	MCH	Vertical	PASS



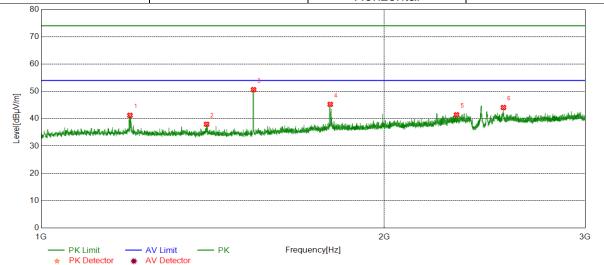
No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result	Limit (dBuV/m)	Margin (dB)	Remark
1	1195.2744	47.21	-5.55	41.66	74.00	-32.34	peak
<u> </u>							peak
2	1415.0519	47.21	-5.69	41.52	74.00	-32.48	peak
3	1535.5669	57.25	-5.69	51.56	74.00	-22.44	peak
4	1797.0996	48.53	-3.91	44.62	74.00	-29.38	peak
5	2277.9097	51.18	-2.11	49.07	74.00	-24.93	peak
6	2541.6927	47.40	-1.09	46.31	74.00	-27.69	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. AVG: VBW refer to section 7.1.
- 6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
- 7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



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Test Mode Channel		Polarization	Verdict	
11B	HCH	Horizontal	PASS	



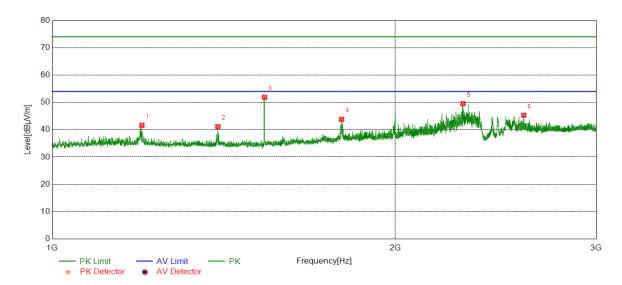
No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1196.5246	46.79	-5.54	41.25	74.00	-32.75	peak
2	1396.7996	43.59	-5.61	37.98	74.00	-36.02	peak
3	1535.8170	56.32	-5.68	50.64	74.00	-23.36	peak
4	1793.0991	49.21	-3.95	45.26	74.00	-28.74	peak
5	2313.9142	43.10	-1.68	41.42	74.00	-32.58	peak
6	2543.9430	45.18	-1.08	44.10	74.00	-29.90	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. AVG: VBW refer to section 7.1.
- 6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
- 7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



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Test Mode Channel		Polarization	Verdict	
11B	HCH	Vertical	PASS	

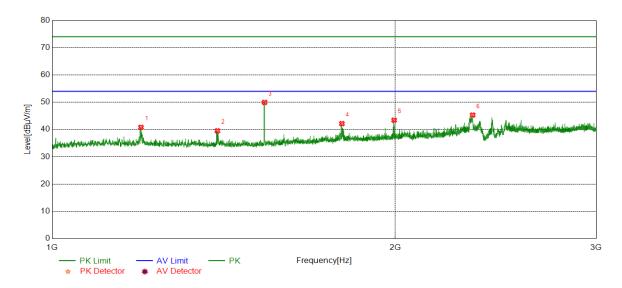


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.7748	47.14	-5.54	41.60	74.00	-32.40	peak
2	1397.5497	46.73	-5.60	41.13	74.00	-32.87	peak
3	1535.8170	57.52	-5.68	51.84	74.00	-22.16	peak
4	1794.3493	47.72	-3.94	43.78	74.00	-30.22	peak
5	2292.6616	51.57	-2.01	49.56	74.00	-24.44	peak
6	2592.4491	46.13	-0.84	45.29	74.00	-28.71	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. AVG: VBW refer to section 7.1.
- 6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
- 7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS

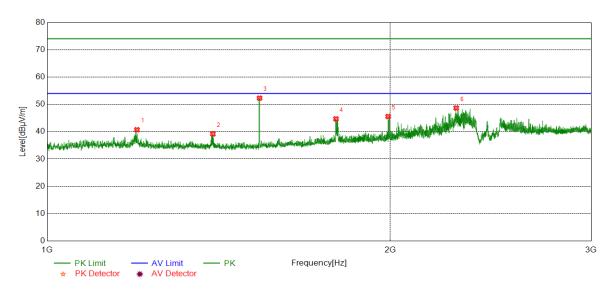


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1196.5246	46.34	-5.54	40.80	74.00	-33.20	peak
2	1396.2995	45.13	-5.62	39.51	74.00	-34.49	peak
3	1535.8170	55.62	-5.68	49.94	74.00	-24.06	peak
4	1795.3494	46.09	-3.93	42.16	74.00	-31.84	peak
5	1995.1244	46.47	-3.06	43.41	74.00	-30.59	peak
6	2337.9172	47.12	-1.82	45.30	74.00	-28.70	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. AVG: VBW refer to section 7.1.
- 6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses The proper operation of the transmitter prior to adding the filter to the measurement chain.
- 7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

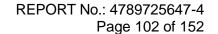


Test Mode	Channel	Polarization	Verdict	
11G	LCH	Vertical	PASS	



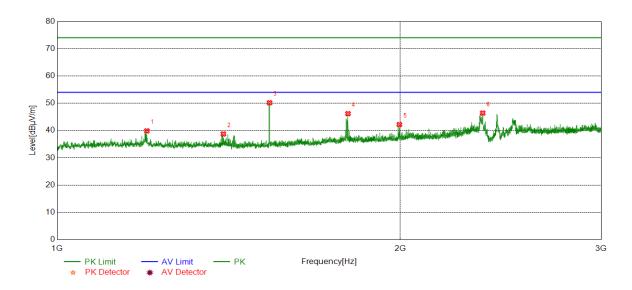
No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result	Limit (dBuV/m)	Margin (dB)	Remark
4		(	. ,			1 1	n a a l
l	1199.0249	46.27	-5.54	40.73	74.00	-33.27	peak
2	1397.5497	44.79	-5.60	39.19	74.00	-34.81	peak
3	1535.8170	57.97	-5.68	52.29	74.00	-21.71	peak
4	1792.0990	48.66	-3.96	44.70	74.00	-29.30	peak
5	1991.1239	48.68	-3.10	45.58	74.00	-28.42	peak
6	2284.6606	50.76	-2.07	48.69	74.00	-25.31	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. AVG: VBW refer to section 7.1.
- 6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
- 7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





Test Mode	Channel	Polarization	Verdict	
11G	MCH	Horizontal	PASS	

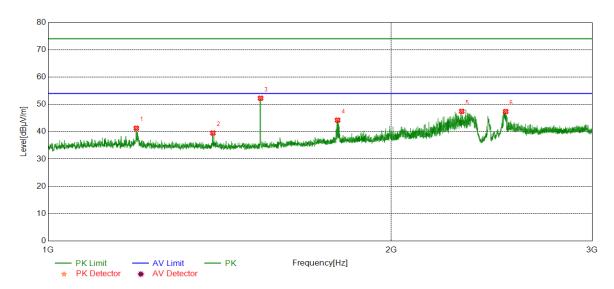


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.7748	45.41	-5.54	39.87	74.00	-34.13	peak
2	1399.0499	44.29	-5.56	38.73	74.00	-35.27	peak
3	1535.8170	55.84	-5.68	50.16	74.00	-23.84	peak
4	1799.3499	50.06	-3.88	46.18	74.00	-27.82	peak
5	1996.1245	45.24	-3.05	42.19	74.00	-31.81	peak
6	2361.9202	48.02	-1.63	46.39	74.00	-27.61	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. AVG: VBW refer to section 7.1.
- 6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
- 7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict	
11G	MCH	Vertical	PASS	

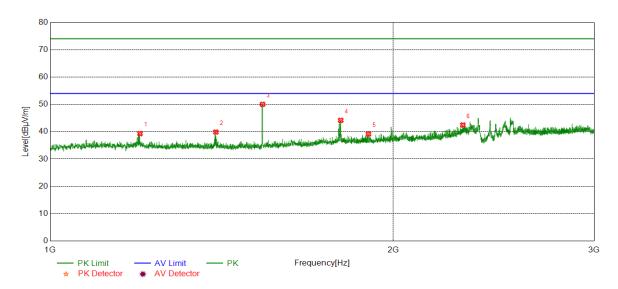


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1195.0244	46.82	-5.55	41.27	74.00	-32.73	peak
2	1394.7994	45.18	-5.66	39.52	74.00	-34.48	peak
3	1535.8170	57.93	-5.68	52.25	74.00	-21.75	peak
4	1794.3493	48.17	-3.94	44.23	74.00	-29.77	peak
5	2305.4132	49.23	-1.78	47.45	74.00	-26.55	peak
6	2519.4399	48.14	-0.75	47.39	74.00	-26.61	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. AVG: VBW refer to section 7.1.
- 6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
- 7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict	
11G	11G HCH		PASS	



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1199.0249	44.85	-5.54	39.31	74.00	-34.69	peak
2	1397.5497	45.48	-5.60	39.88	74.00	-34.12	peak
3	1535.8170	55.71	-5.68	50.03	74.00	-23.97	peak
4	1798.3498	48.06	-3.89	44.17	74.00	-29.83	peak
5	1901.8627	42.59	-3.44	39.15	74.00	-34.85	peak
6	2301.4127	44.33	-1.86	42.47	74.00	-31.53	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. AVG: VBW refer to section 7.1.
- 6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
- 7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.