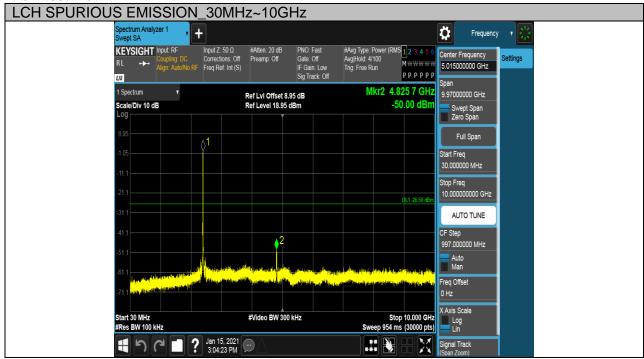
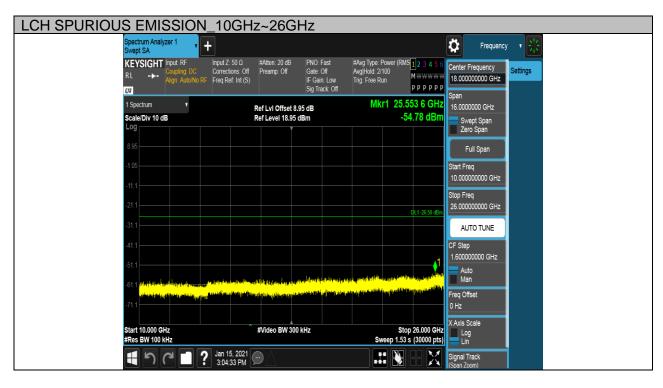


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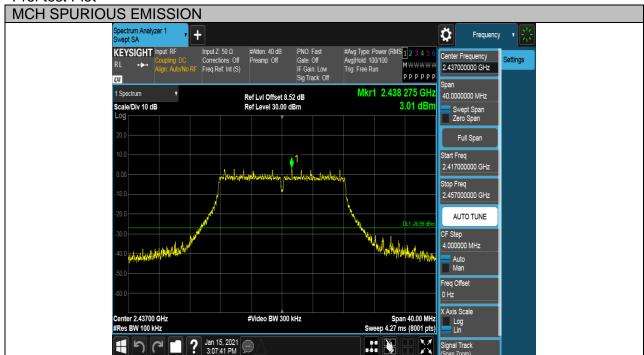






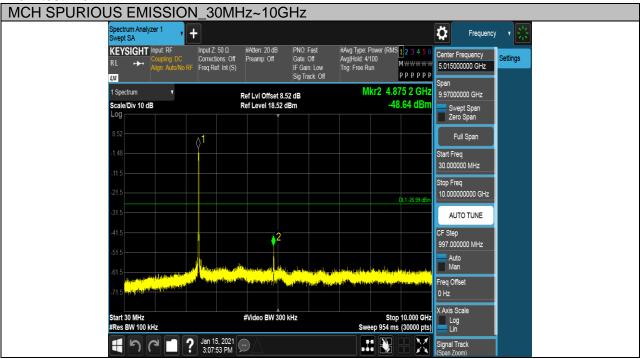
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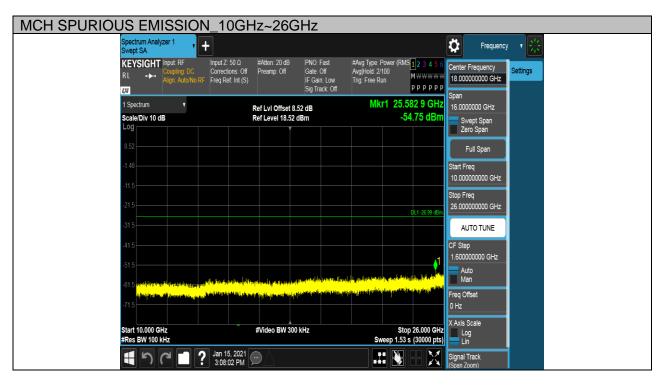
Test Mode	Channel	Verdict
11G	MCH	PASS





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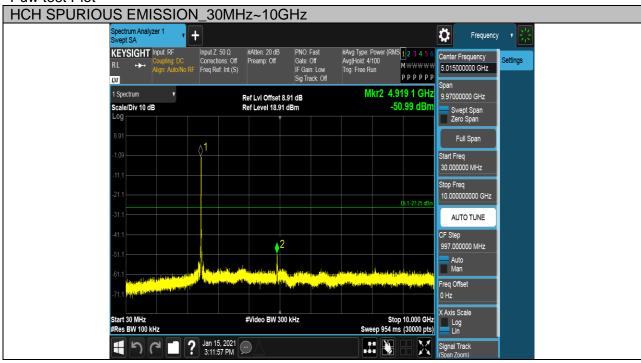
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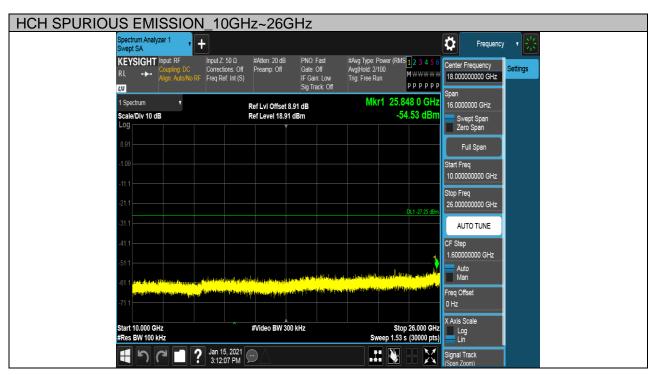
Test Mode	Channel	Verdict
11G	HCH	PASS





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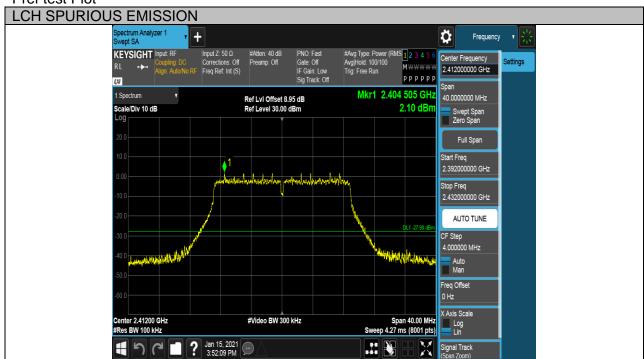






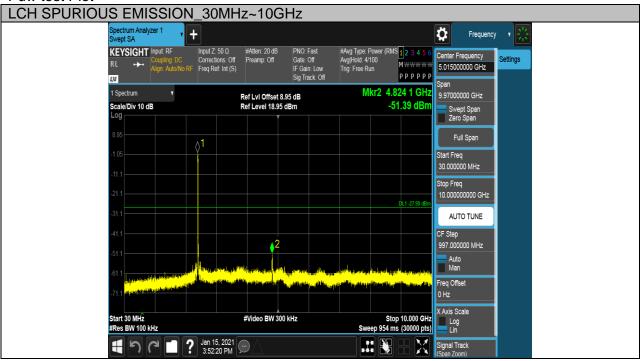
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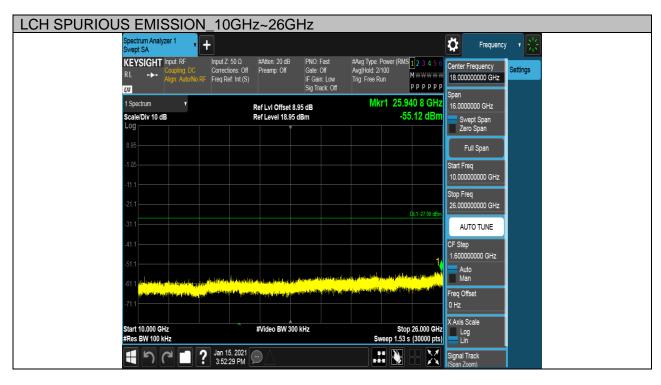
Test Mode	Channel	Verdict
11N HT20	LCH	PASS





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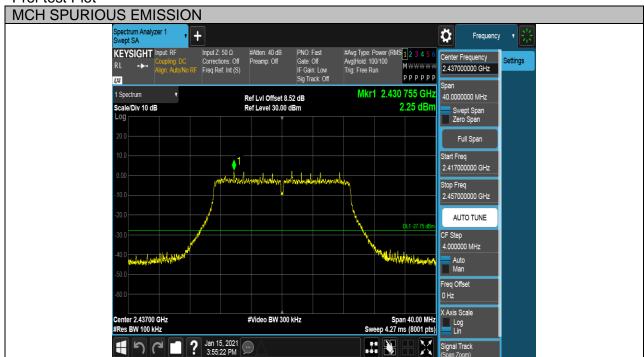






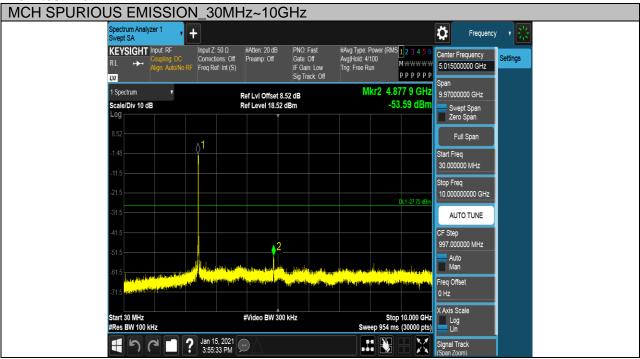
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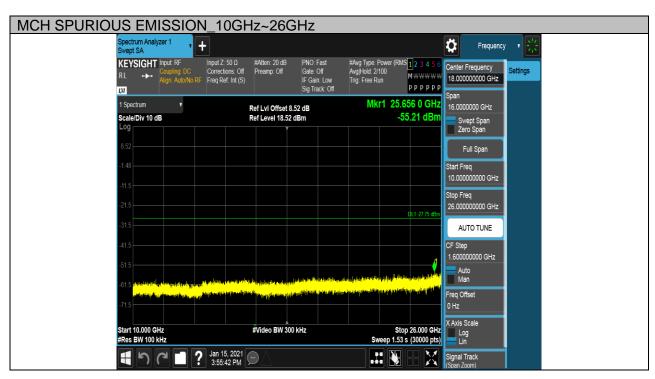
Test Mode	Channel	Verdict
11N HT20	MCH	PASS





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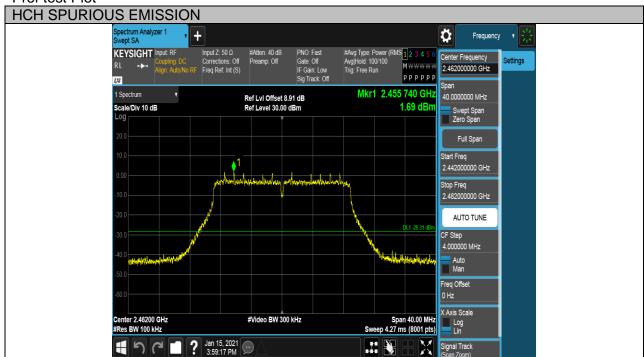






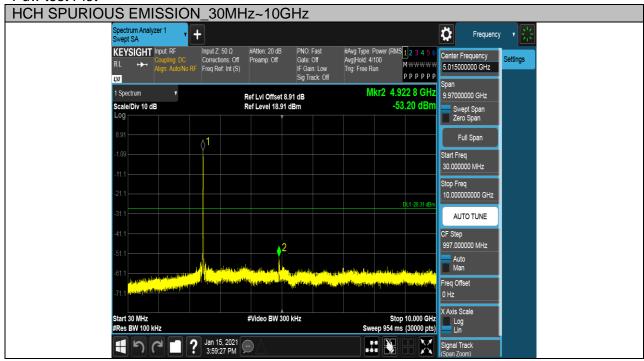
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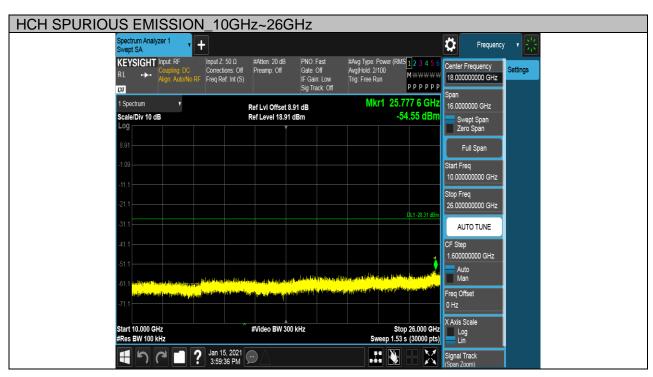
Test Mode	Channel	Verdict
11N HT20	HCH	PASS





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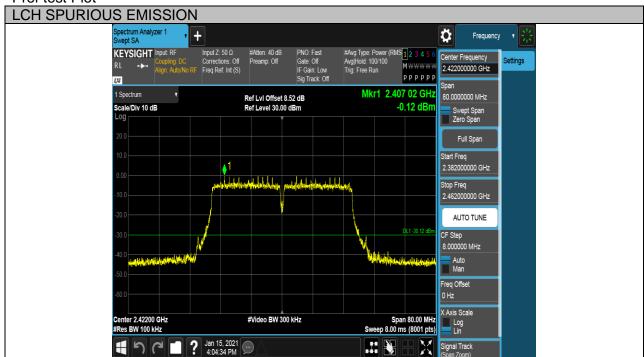






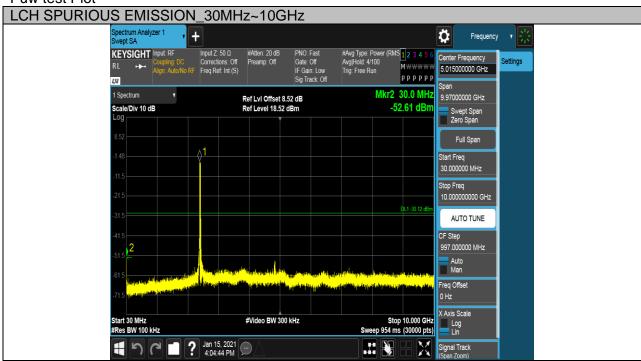
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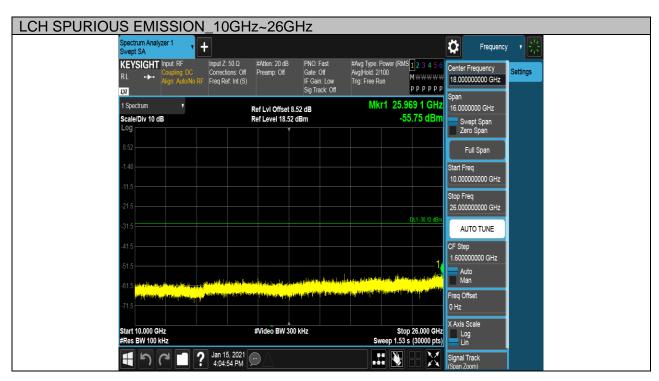
Test Mode	Channel	Verdict
11N HT40	LCH	PASS





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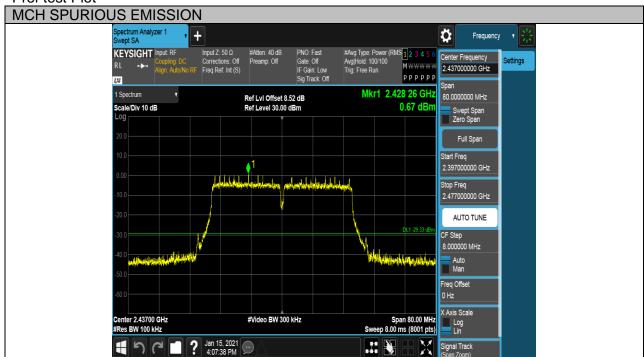






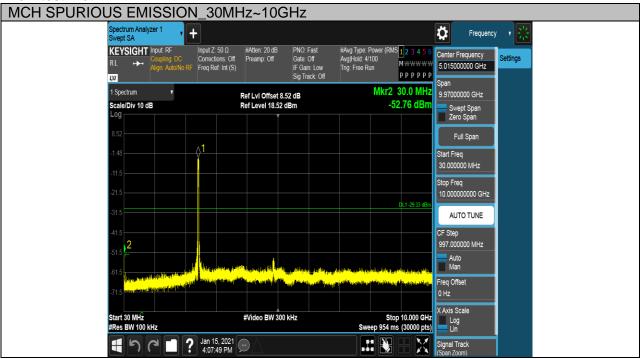
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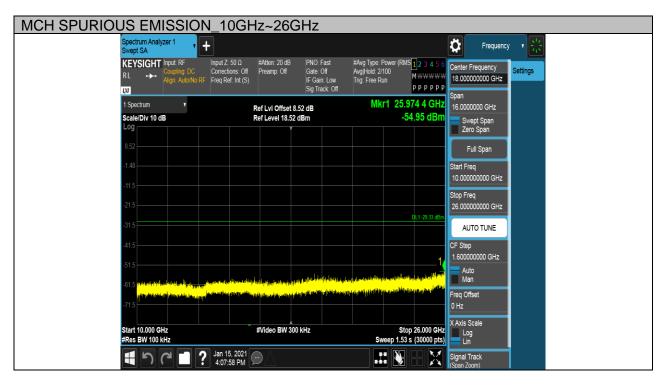
Test Mode	Channel	Verdict
11N HT40	MCH	PASS





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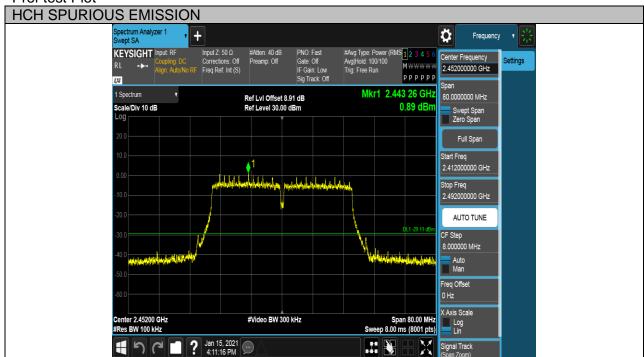






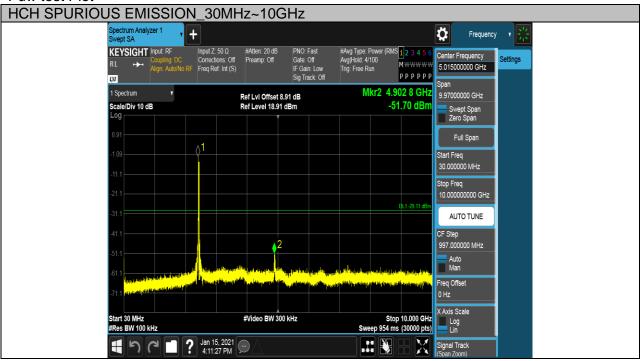
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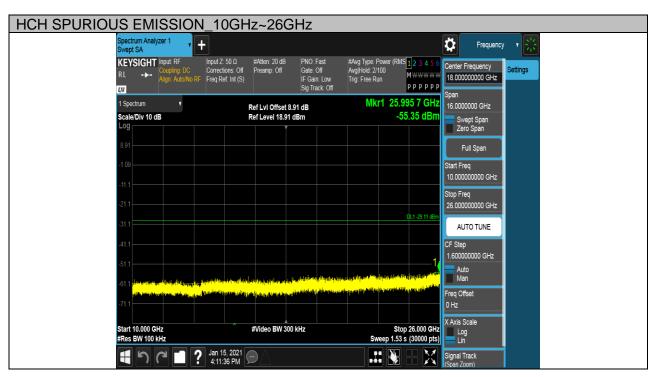
Test Mode	Channel	Verdict
11N HT40	HCH	PASS





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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)

Fraguency (MHz)	dB(uV/m) (at 3 meters)	
Frequency (MHz)	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			

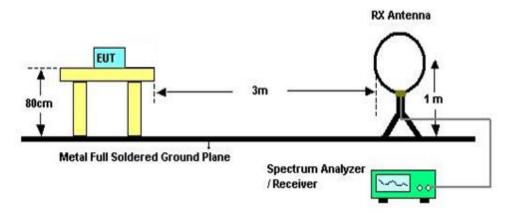
Note: 1 Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. 2 Above 38.6c



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TEST SETUP AND PROCEDURE

Below 30MHz

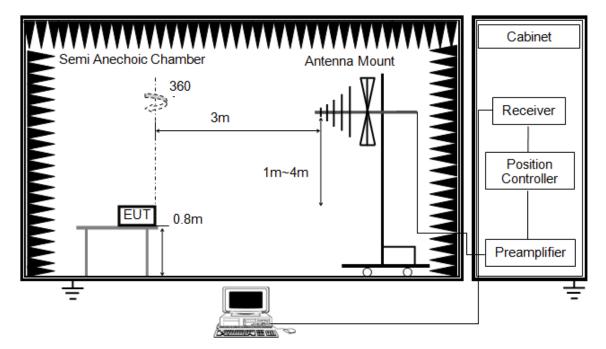


The setting of the spectrum analyser

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 guasi-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

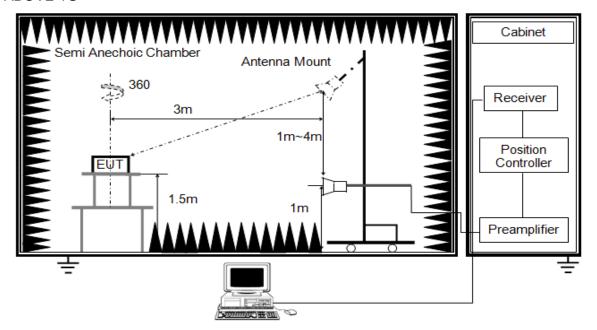


The setting of the spectrum analyser

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

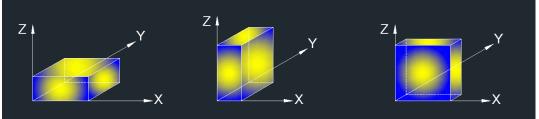
RBW	1M
IV/RW	PEAK:3M AVG: See note6
Sweep	Auto
Detector	Peak/Average(10Hz)
Trace	Max hold

- 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 video bandwidth ≥1/T but not less than the setting list in section 7.1 when use peak detector, max hold to be run for at least [50*(1/Duty Cycle)] traces for average measurements. For the Duty Cycle need to refer the results in section 7.1.
- 7. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)



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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

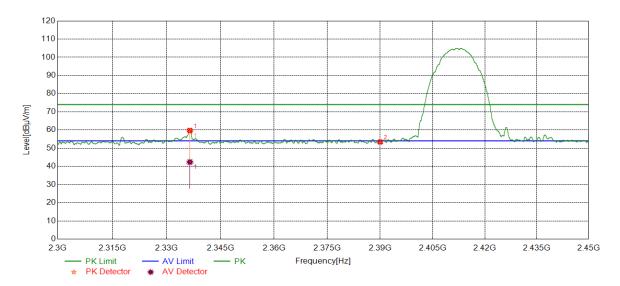
Test Mode	Channel	Puw(dBm)	Verdict
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11B	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
_	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11G	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT20	HCH	<limit< td="">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



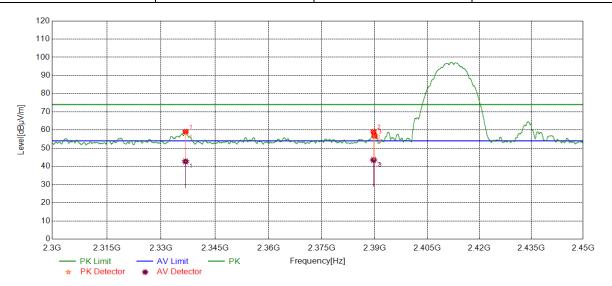
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
4	2336.4733	46.52	13.23	59.75	74.00	-14.25	peak
1	2330.4733	29.12	13.23	42.35	54.00	-11.65	average
2	2390.0000	39.68	13.75	53.43	74.00	-20.57	peak

- 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



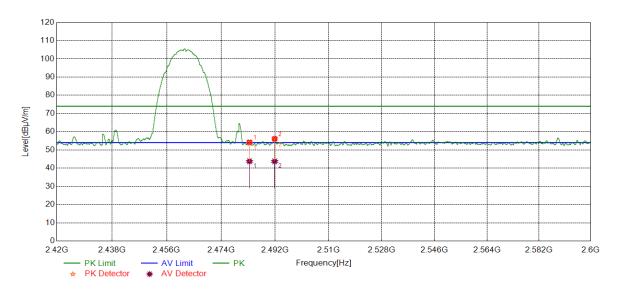
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2226 9100	45.88	13.24	59.12	74.00	-14.88	peak
I	1 2336.8109	29.46	13.24	42.70	54.00	-11.30	average
2	2200 6727	45.33	13.75	59.08	74.00	-14.92	peak
2	2 2389.6737	29.77	13.75	43.52	54.00	-10.48	average
2 2200 0000	43.06	13.75	56.81	74.00	-17.19	peak	
3	2390.0000	29.56	13.75	43.31	54.00	-10.69	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
11B	HCH	Horizontal	PASS

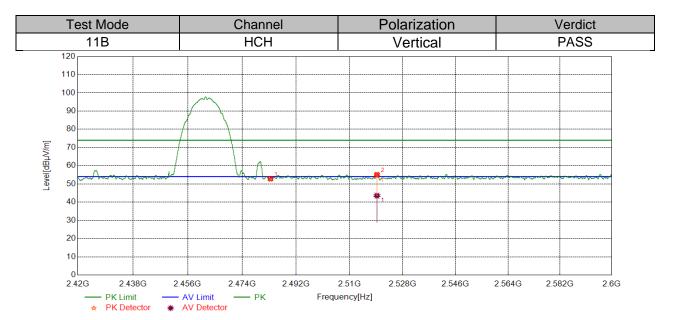


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
4	1 2483.5000	40.73	13.51	54.24	74.00	-19.76	peak
!		30.25	13.51	43.76	54.00	-10.24	average
2	2491.8992	42.56	13.59	56.15	74.00	-17.85	peak
	2491.0992	30.14	13.59	43.73	54.00	-10.27	average

- 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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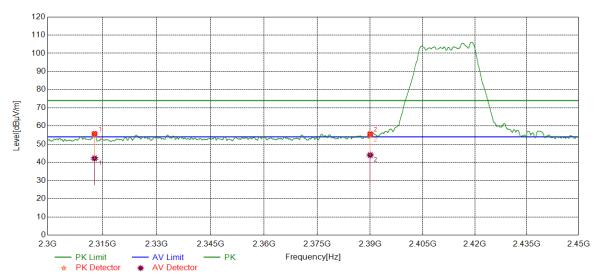
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	39.31	13.51	52.82	74.00	-21.18	peak
2	2519.2619	41.30	13.77	55.07	74.00	-18.93	peak
	2319.2019	29.79	13.77	43.56	54.00	-10.44	average

- 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	LCH	Horizontal	PASS



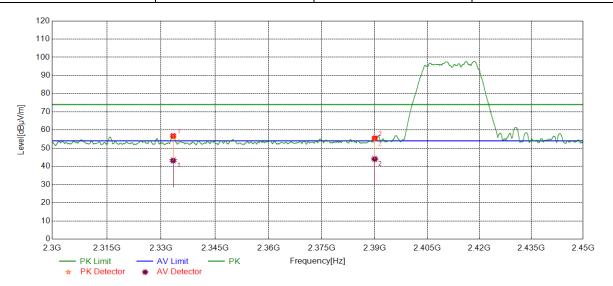
	No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Ī	1	2312.8641	42.82	12.96	55.78	74.00	-18.22	peak
			29.25	12.96	42.21	54.00	-11.79	average
Ī	2 2390.0000	41.81	13.75	55.56	74.00	-18.44	peak	
		2390.0000	30.26	13.75	44.01	54.00	-9.99	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.



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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)	
4	2333.3604	43.61	13.20	56.81	74.00	-17.19	peak
I	2333.3004	30.03	13.20	43.23	54.00	-10.77	average
2	2390.0000	41.73	13.75	55.48	74.00	-18.52	peak
	2390.0000	30.30	13.75	44.05	54.00	-9.95	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 **HCH** Horizontal **PASS** 11G 120 110 100 90 80 Level[dBµV/m] 70 60 50 40 30 20 10 2.438G 2.492G 2.51G 2.528G 2.582G 2.42G 2.456G 2.474G 2.546G 2.564G 2.6G

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	46.13	13.51	59.64	74.00	-14.36	peak
'	2403.3000	32.67	13.51	46.18	54.00	-7.82	average
2	2540.8461	43.03	13.87	56.90	74.00	-17.10	peak
2		30.56	13.87	44.43	54.00	-9.57	average

Frequency[Hz]

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.

AV Limit

AV Detector

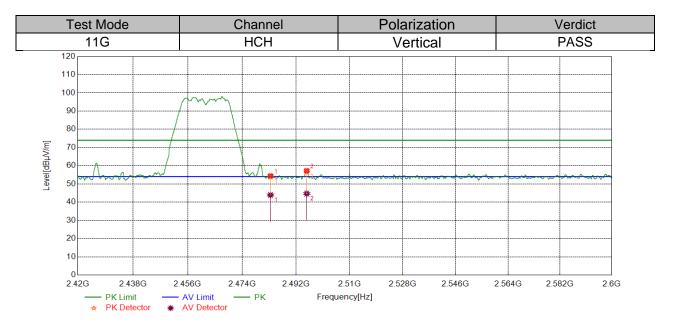
PK Limit

★ PK Detector

4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

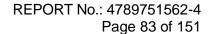


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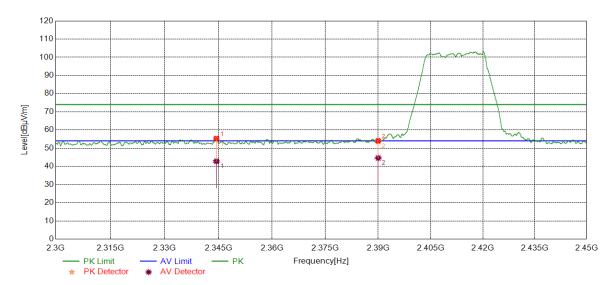
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	40.88	13.51	54.39	74.00	-19.61	peak
!		30.41	13.51	43.92	54.00	-10.08	average
2	2495.6076	43.63	13.61	57.24	74.00	-16.76	peak
_		31.08	13.61	44.69	54.00	-9.31	average

- 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.





Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS



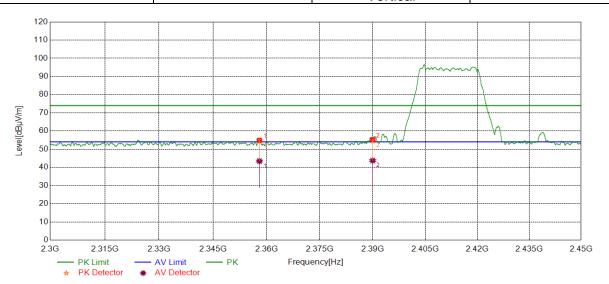
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2344.4056	41.99	13.33	55.32	74.00	-18.68	peak
'	2344.4036	29.47	13.33	42.80	54.00	-11.20	average
2	2 2390.0000	40.35	13.75	54.10	74.00	-19.90	peak
	2390.0000	30.86	13.75	44.61	54.00	-9.39	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



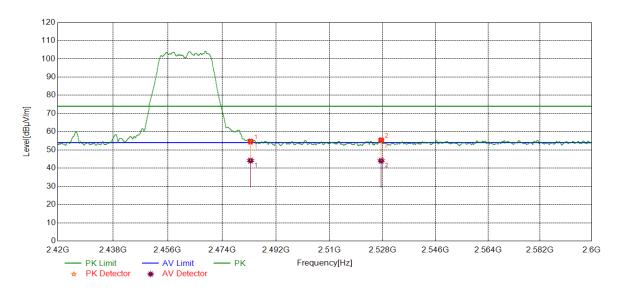
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
4	2250 0010	41.44	13.44	54.88	74.00	-19.12	peak
1	1 2358.0010	30.01	13.44	43.45	54.00	-10.55	average
2	2 2390.0000	41.46	13.75	55.21	74.00	-18.79	peak
2		29.98	13.75	43.73	54.00	-10.27	average

- 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	HCH	Horizontal	PASS

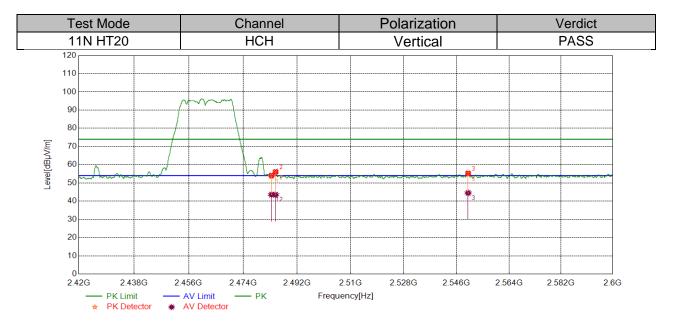


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
4	1 2483.5000	41.22	13.51	54.73	74.00	-19.27	peak
!		30.63	13.51	44.14	54.00	-9.86	average
2 2527.4707	41.61	13.85	55.46	74.00	-18.54	peak	
	2527.4707	30.21	13.85	44.06	54.00	-9.94	average

- 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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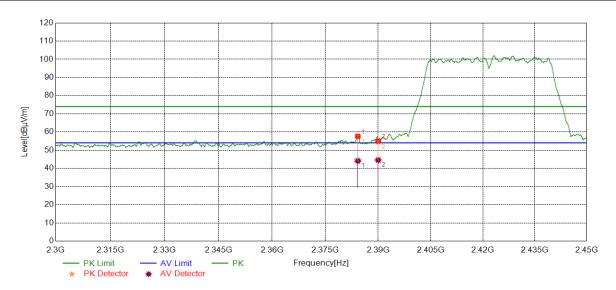
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	40.62	13.51	54.13	74.00	-19.87	peak
I	2463.5000	30.06	13.51	43.57	54.00	-10.43	average
2	0404 0005	42.55	13.53	56.08	74.00	-17.92	peak
2	2484.8605	29.98	13.53	43.51	54.00	-10.49	average
3	2549.9550	41.37	13.94	55.31	74.00	-18.69	peak
3		30.57	13.94	44.51	54.00	-9.49	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 HT40	LCH	Horizontal	PASS



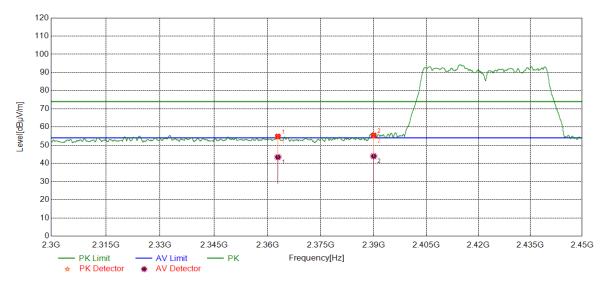
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1 2384.2	2204 2460	43.94	13.72	57.66	74.00	-16.34	peak
	2304.2100	30.39	13.72	44.11	54.00	-9.89	average
2	2200 0000	41.34	13.75	55.09	74.00	-18.91	peak
	2390.0000	30.81	13.75	44.56	54.00	-9.44	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 HT40	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1 2362.9141	41.39	13.47	54.86	74.00	-19.14	peak
!		29.96	13.47	43.43	54.00	-10.57	average
2	2 2200 0000	41.70	13.75	55.45	74.00	-18.55	peak
2 2390.0	2390.0000	30.22	13.75	43.97	54.00	-10.03	average

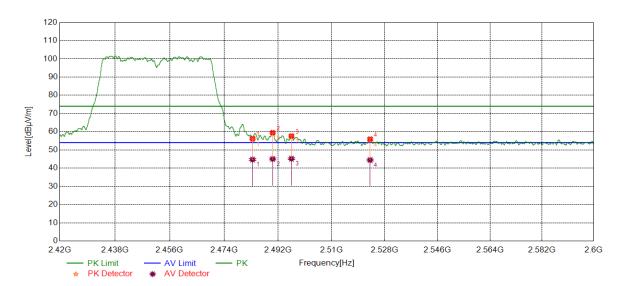
Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

- 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.



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Test Mode	Test Mode Channel		Verdict	
11N HT40	HCH	Horizontal	PASS	



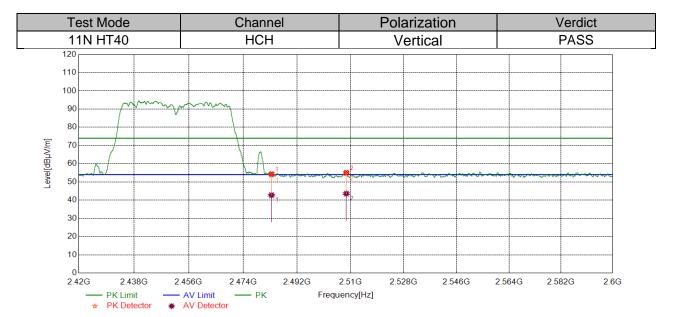
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2492 5000	42.77	13.51	56.28	74.00	-17.72	peak
'	1 2483.5000	31.20	13.51	44.71	54.00	-9.29	average
2	2 2490.2430	45.90	13.56	59.46	74.00	-14.54	peak
		31.48	13.56	45.04	54.00	-8.96	average
3	2406 5257	44.02	13.62	57.64	74.00	-16.36	peak
3	2496.5257	31.55	13.62	45.17	54.00	-8.83	average
4	2522 0422	42.13	13.82	55.95	74.00	-18.05	peak
4	2523.0423	30.65	13.82	44.47	54.00	-9.53	average

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

- 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 3. 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	1 2483.5000	40.83	13.51	54.34	74.00	-19.66	peak
I I		29.24	13.51	42.75	54.00	-11.25	average
2 2508.5869	41.36	13.72	55.08	74.00	-18.92	peak	
	2508.5869	29.88	13.72	43.60	54.00	-10.40	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~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
	Antenna1	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT40		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
11B	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
11B	Antenna1	LCH	<limit< td=""><td>PASS</td></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 Antenna	Channel	Puw(dBm)	Verdict
11B	Antenna1	LCH	<limit< td=""><td>PASS</td></limit<>	PASS

Remark:

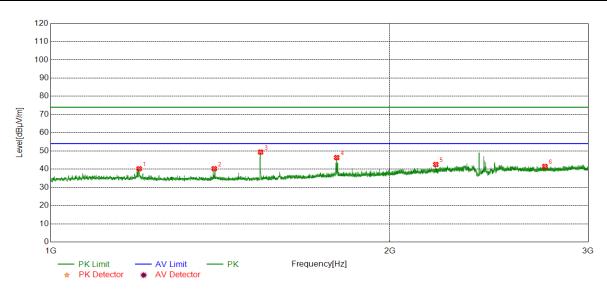
1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.

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Part I: 1GHz~3GHz

HARMONICS AND SPURIOUS EMISSIONS

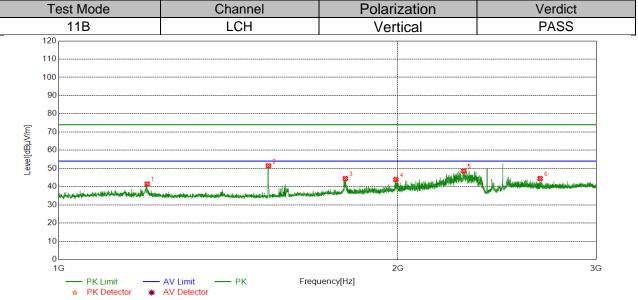
Test Mode	Channel	Polarization	Verdict	
11B	LCH	Horizontal	PASS	



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.2748	45.75	-5.54	40.21	74.00	-33.79	peak
2	1397.0496	45.86	-5.61	40.25	74.00	-33.75	peak
3	1535.8170	55.04	-5.68	49.36	74.00	-24.64	peak
4	1794.5993	50.30	-3.94	46.36	74.00	-27.64	peak
5	2197.3997	44.96	-2.40	42.56	74.00	-31.44	peak
6	2746.4683	41.96	-0.46	41.50	74.00	-32.50	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.





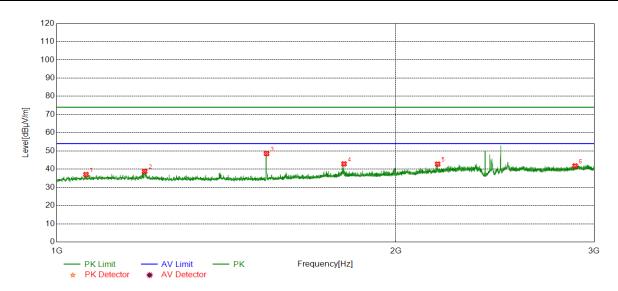
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.2748	46.99	-5.54	41.45	74.00	-32.55	peak
2	1535.5669	57.16	-5.69	51.47	74.00	-22.53	peak
3	1796.8496	48.33	-3.91	44.42	74.00	-29.58	peak
4	1992.3740	47.03	-3.09	43.94	74.00	-30.06	peak
5	2288.6611	50.68	-2.05	48.63	74.00	-25.37	peak
6	2675.7095	45.19	-0.72	44.47	74.00	-29.53	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.



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Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



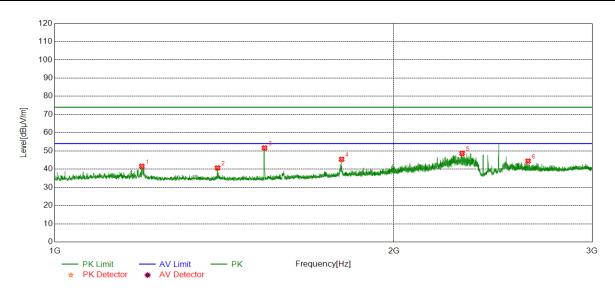
No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result	Limit (dBuV/m)	Margin (dB)	Remark
		(ubuv/III)	(ub)			1 - 1	
1	1061.7577	42.55	-5.50	37.05	74.00	-36.95	peak
2	1197.0246	44.27	-5.54	38.73	74.00	-35.27	peak
3	1535.8170	54.22	-5.68	48.54	74.00	-25.46	peak
4	1799.3499	46.80	-3.88	42.92	74.00	-31.08	peak
5	2178.8974	45.11	-2.33	42.78	74.00	-31.22	peak
6	2885.7357	41.47	0.32	41.79	74.00	-32.21	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	Vertical	PASS



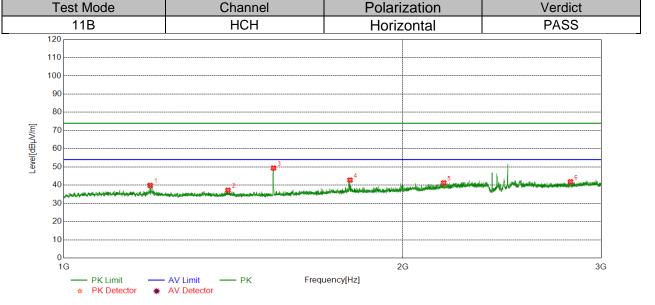
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1195.0244	47.09	-5.55	41.54	74.00	-32.46	peak
2	1395.0494	46.33	-5.65	40.68	74.00	-33.32	peak
3	1535.5669	57.35	-5.69	51.66	74.00	-22.34	peak
4	1797.8497	49.31	-3.90	45.41	74.00	-28.59	peak
5	2299.6625	50.57	-1.90	48.67	74.00	-25.33	peak
6	2631.7040	45.22	-0.79	44.43	74.00	-29.57	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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No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1193.2742	45.43	-5.55	39.88	74.00	-34.12	peak
2	1399.0499	42.77	-5.56	37.21	74.00	-36.79	peak
3	1535.5669	55.06	-5.69	49.37	74.00	-24.63	peak
4	1795.5995	46.70	-3.92	42.78	74.00	-31.22	peak
5	2174.6468	43.61	-2.38	41.23	74.00	-32.77	peak
6	2818.2273	41.99	-0.14	41.85	74.00	-32.15	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

90 80 70

20 10

1G

PK Limit

PK Detector

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Verdict

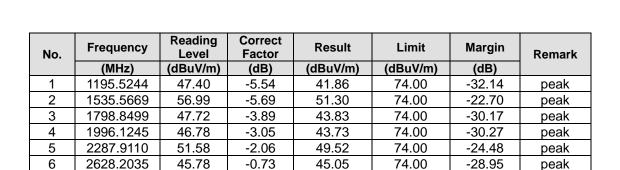
3G

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Polarization

	11B HCH		Vertical	PASS	
120					
110					
100					

Channel



Frequency[Hz]

Note: 1. Measurement = Reading Level + Correct Factor.

AV Limit

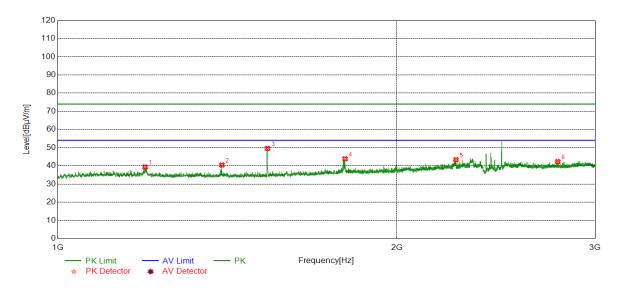
AV Detector

- 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.



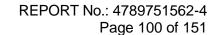
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Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS



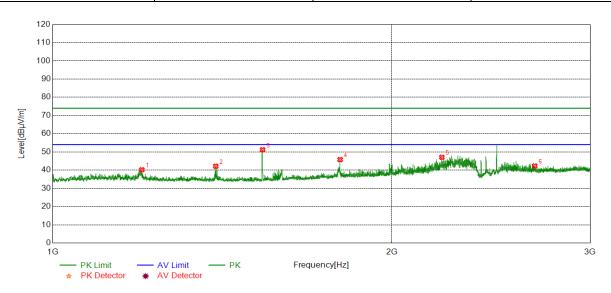
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1195.5244	44.90	-5.54	39.36	74.00	-34.64	peak
2	1398.7999	46.02	-5.57	40.45	74.00	-33.55	peak
3	1535.5669	55.23	-5.69	49.54	74.00	-24.46	peak
4	1799.3499	47.77	-3.88	43.89	74.00	-30.11	peak
5	2257.4072	45.58	-2.21	43.37	74.00	-30.63	peak
6	2779.4724	42.58	-0.27	42.31	74.00	-31.69	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.





Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS



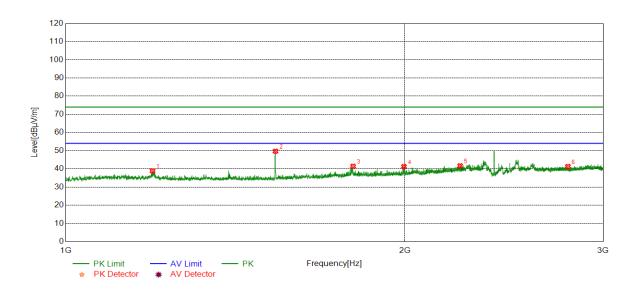
No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result	Limit (dBuV/m)	Margin (dB)	Remark
4		(. ,			1 1	
1	1199.7750	45.73	-5.54	40.19	74.00	-33.81	peak
2	1395.5494	47.81	-5.64	42.17	74.00	-31.83	peak
3	1535.8170	56.90	-5.68	51.22	74.00	-22.78	peak
4	1799.6000	49.67	-3.88	45.79	74.00	-28.21	peak
5	2215.6520	49.37	-2.33	47.04	74.00	-26.96	peak
6	2678.7098	43.02	-0.71	42.31	74.00	-31.69	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.





Test Mode	Channel	Polarization	Verdict
11G	MCH	Horizontal	PASS

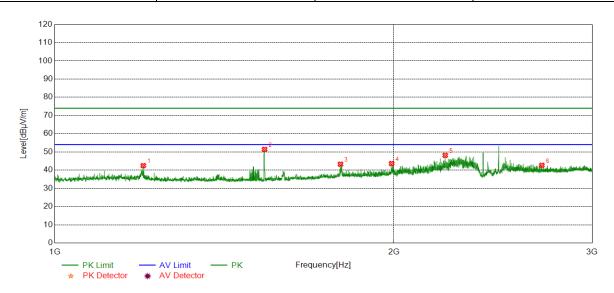


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1194.2743	44.46	-5.55	38.91	74.00	-35.09	peak
2	1535.5669	55.40	-5.69	49.71	74.00	-24.29	peak
3	1799.6000	45.31	-3.88	41.43	74.00	-32.57	peak
4	1996.6246	44.30	-3.05	41.25	74.00	-32.75	peak
5	2239.9050	43.96	-2.27	41.69	74.00	-32.31	peak
6	2791.7240	41.55	-0.25	41.30	74.00	-32.70	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	MCH	Vertical	PASS

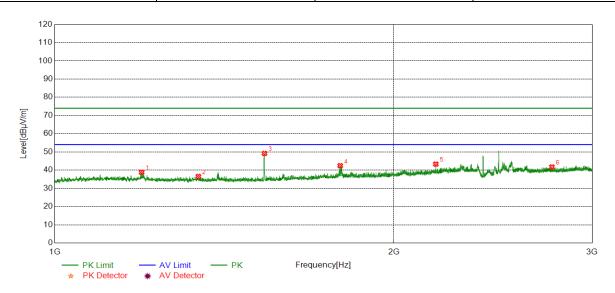


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.5248	48.04	-5.54	42.50	74.00	-31.50	peak
2	1535.8170	57.10	-5.68	51.42	74.00	-22.58	peak
3	1793.5992	47.23	-3.95	43.28	74.00	-30.72	peak
4	1991.3739	46.73	-3.10	43.63	74.00	-30.37	peak
5	2221.9027	50.38	-2.25	48.13	74.00	-25.87	peak
6	2707.2134	42.96	-0.30	42.66	74.00	-31.34	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	HCH	Horizontal	PASS

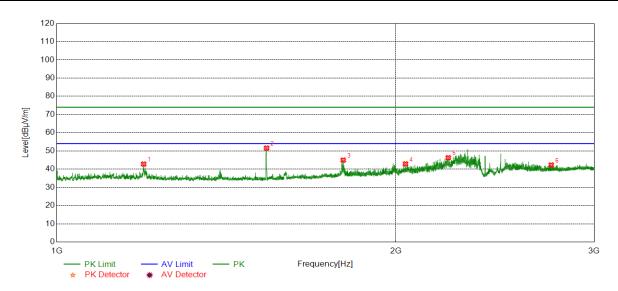


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1194.5243	44.38	-5.55	38.83	74.00	-35.17	peak
2	1341.5427	42.18	-5.65	36.53	74.00	-37.47	peak
3	1535.5669	54.86	-5.69	49.17	74.00	-24.83	peak
4	1792.5991	46.42	-3.96	42.46	74.00	-31.54	peak
5	2179.3974	45.63	-2.32	43.31	74.00	-30.69	peak
6	2763.2204	42.04	-0.28	41.76	74.00	-32.24	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	HCH	Vertical	PASS

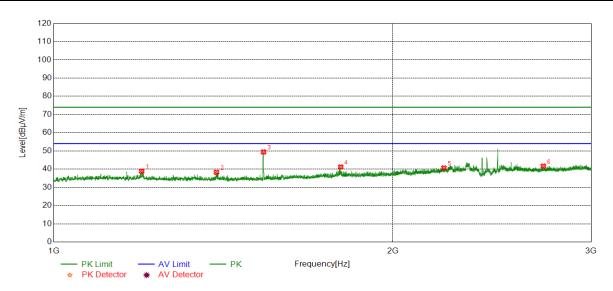


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1194.5243	48.33	-5.55	42.78	74.00	-31.22	peak
2	1535.8170	57.24	-5.68	51.56	74.00	-22.44	peak
3	1796.3495	48.87	-3.92	44.95	74.00	-29.05	peak
4	2040.1300	45.42	-2.52	42.90	74.00	-31.10	peak
5	2226.6533	48.42	-2.17	46.25	74.00	-27.75	peak
6	2748.4686	42.75	-0.45	42.30	74.00	-31.70	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
11N HT20	LCH	Horizontal	PASS

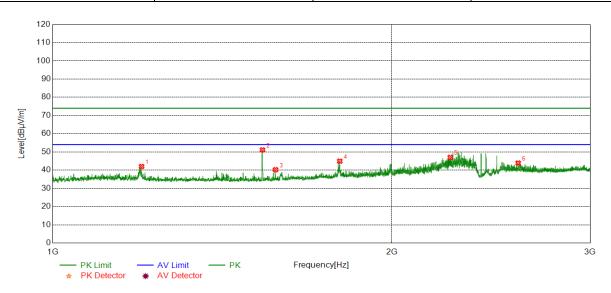


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1197.0246	44.38	-5.54	38.84	74.00	-35.16	peak
2	1394.7994	43.93	-5.66	38.27	74.00	-35.73	peak
3	1535.5669	55.12	-5.69	49.43	74.00	-24.57	peak
4	1798.0998	45.09	-3.90	41.19	74.00	-32.81	peak
5	2220.4026	42.92	-2.27	40.65	74.00	-33.35	peak
6	2720.9651	42.10	-0.45	41.65	74.00	-32.35	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
11N HT20	LCH	Vertical	PASS

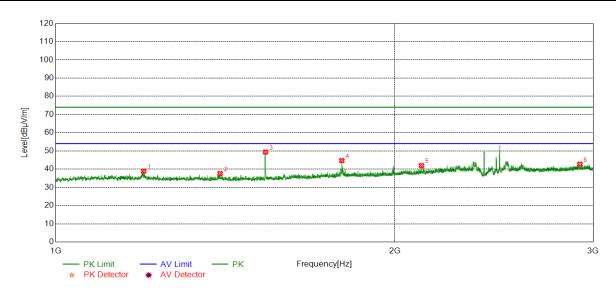


No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result	Limit (dBuV/m)	Margin (dB)	Remark
_		(. ,			1 1	
1	1199.2749	47.54	-5.54	42.00	74.00	-32.00	peak
2	1535.5669	56.81	-5.69	51.12	74.00	-22.88	peak
3	1577.0721	45.52	-5.29	40.23	74.00	-33.77	peak
4	1798.3498	48.82	-3.89	44.93	74.00	-29.07	peak
5	2254.1568	49.25	-2.23	47.02	74.00	-26.98	peak
6	2589.6987	44.81	-0.90	43.91	74.00	-30.09	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
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	1197.0246	44.42	-5.54	38.88	74.00	-35.12	peak
2	1399.5499	43.17	-5.55	37.62	74.00	-36.38	peak
3	1535.5669	55.08	-5.69	49.39	74.00	-24.61	peak
4	1794.8494	48.62	-3.93	44.69	74.00	-29.31	peak
5	2112.1390	44.53	-2.55	41.98	74.00	-32.02	peak
6	2919.4899	42.10	0.58	42.68	74.00	-31.32	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.