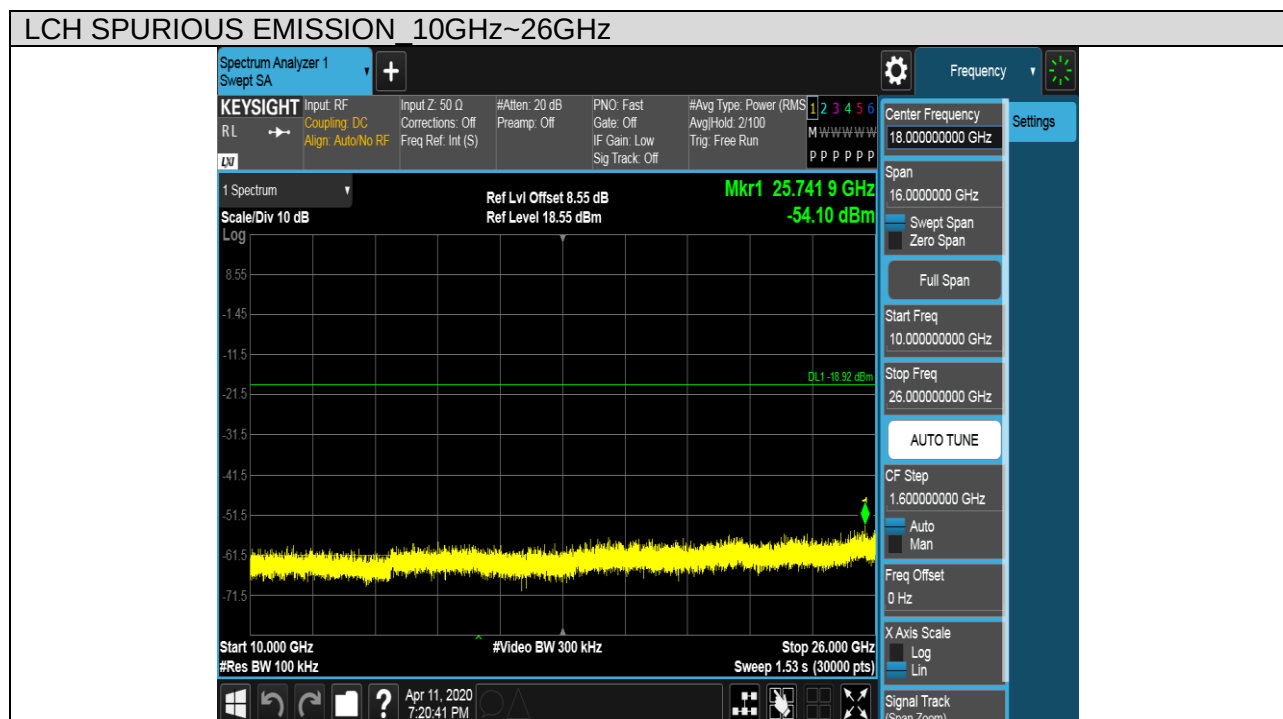
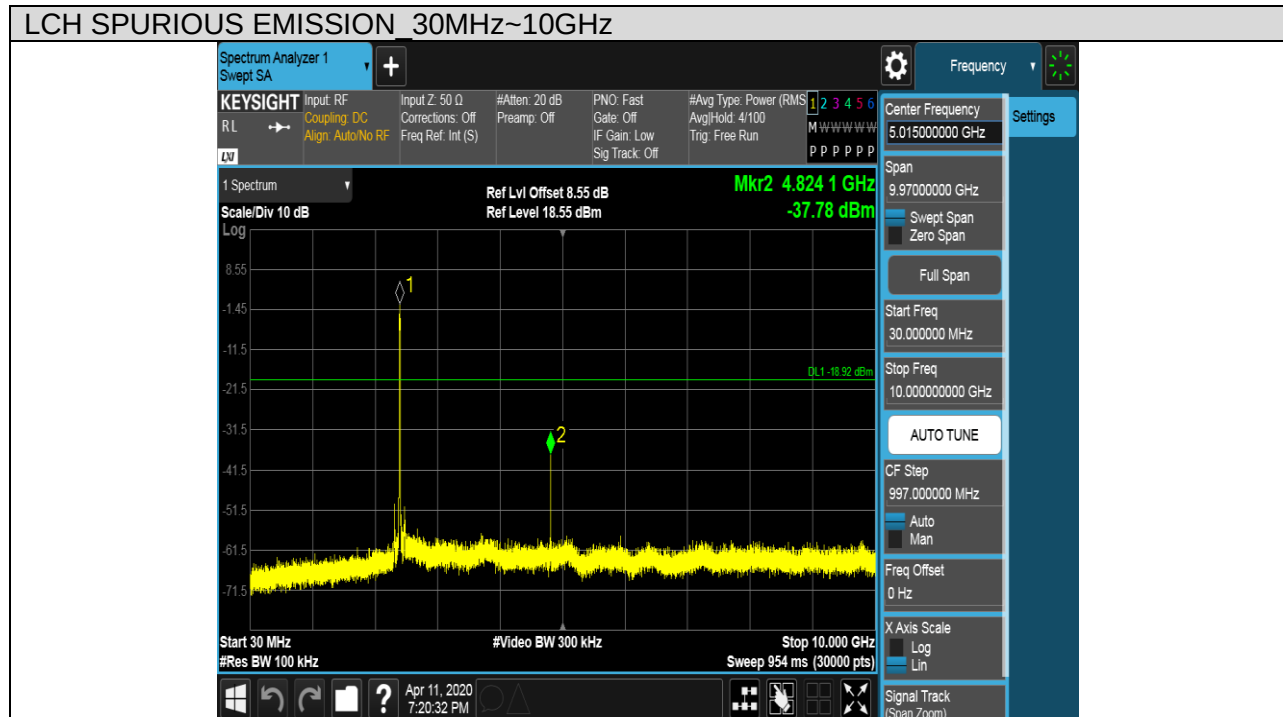




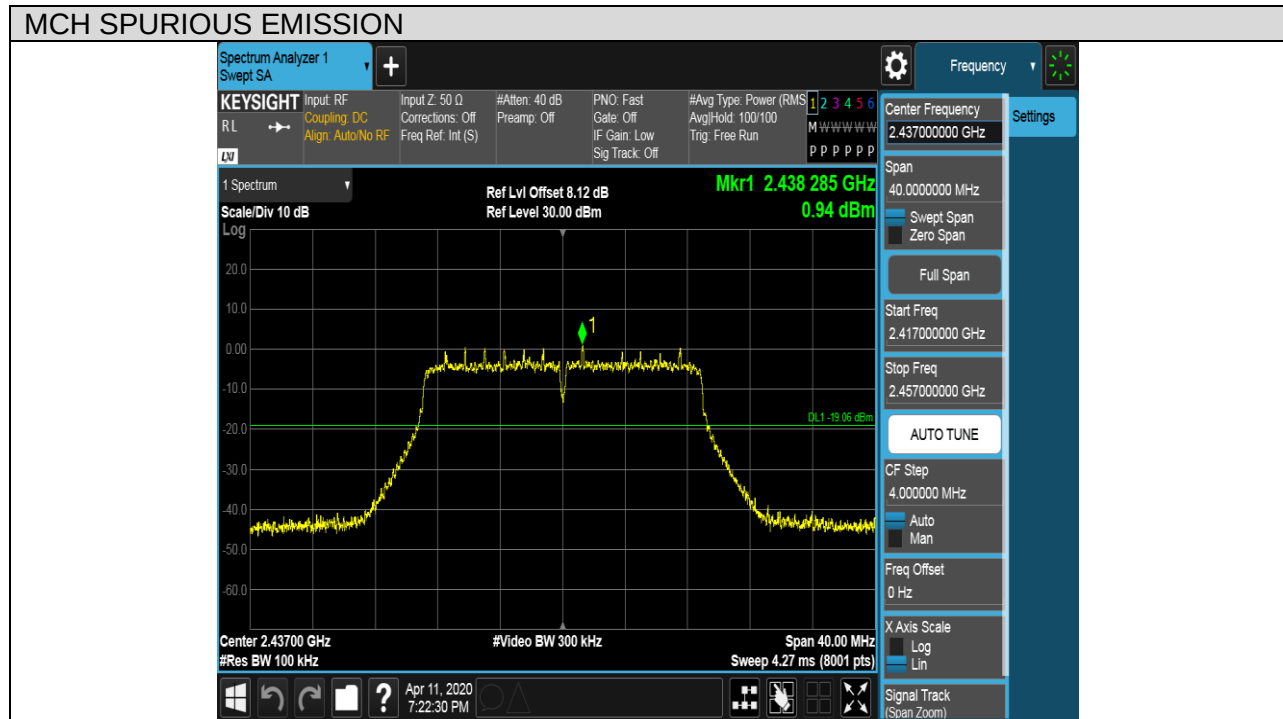
Puw test Plot





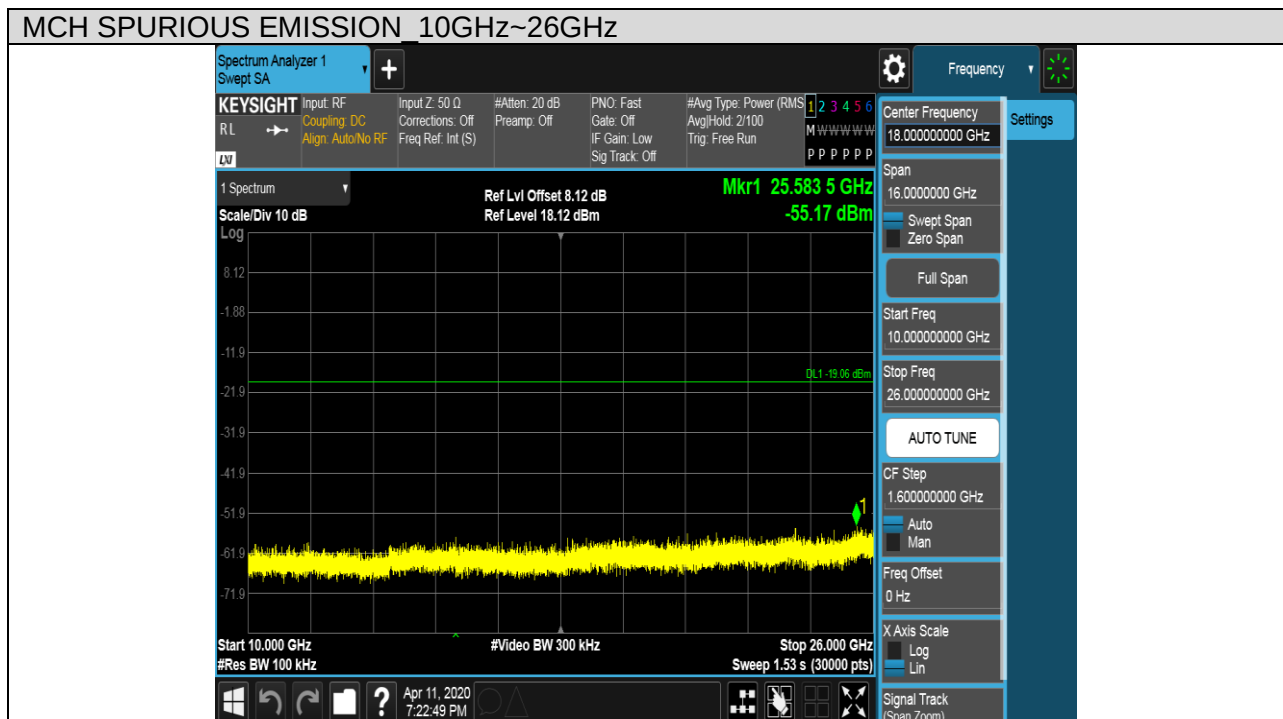
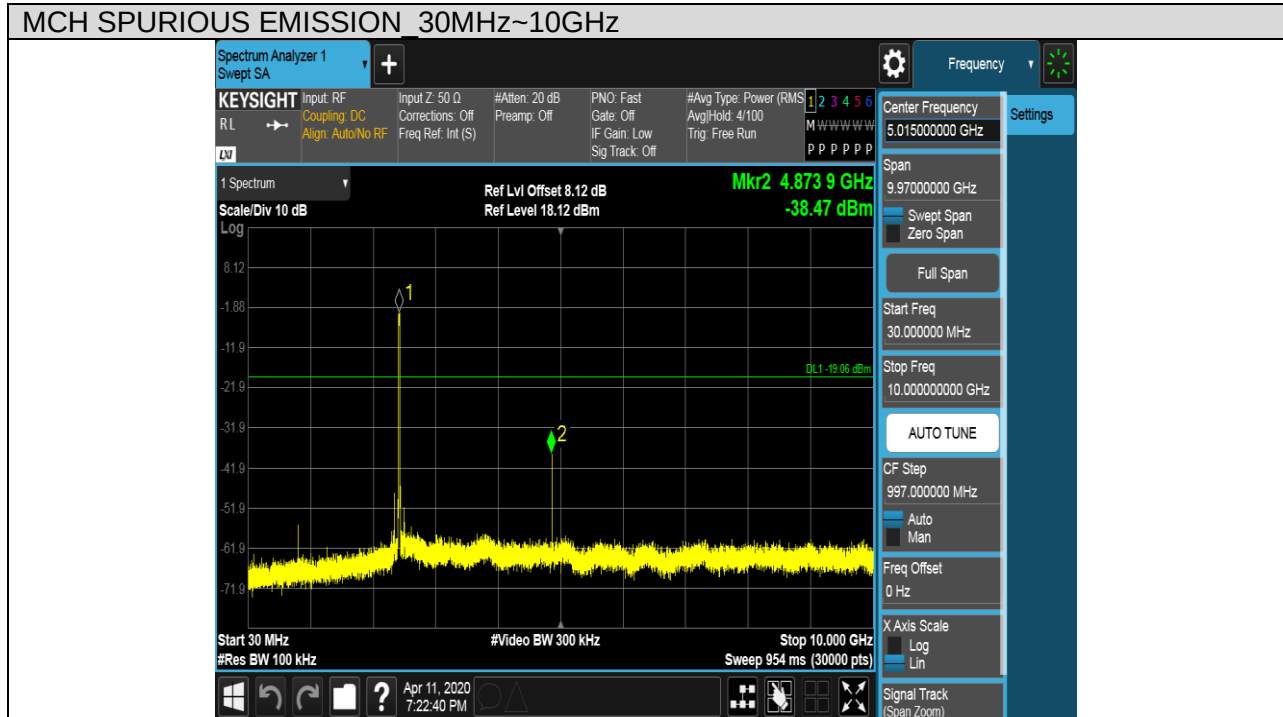
Test Mode	Channel	Verdict
11N HT20	MCH	PASS

Pref test Plot





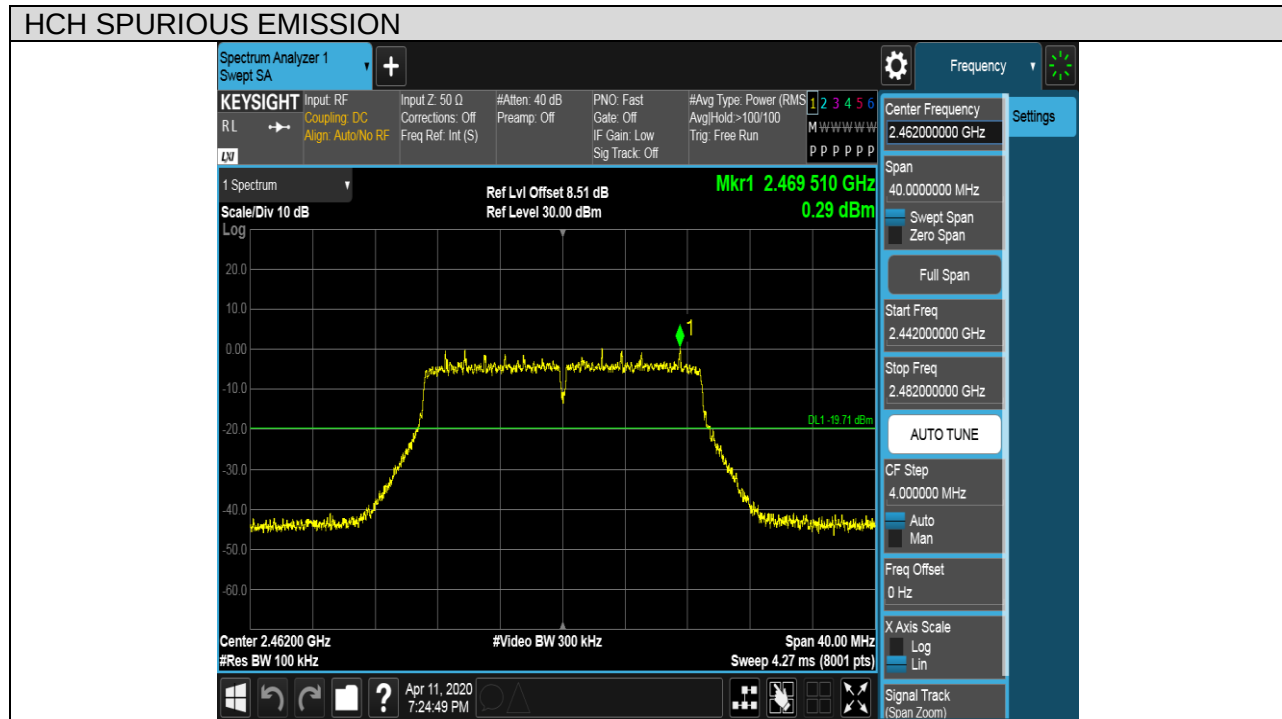
Puw test Plot





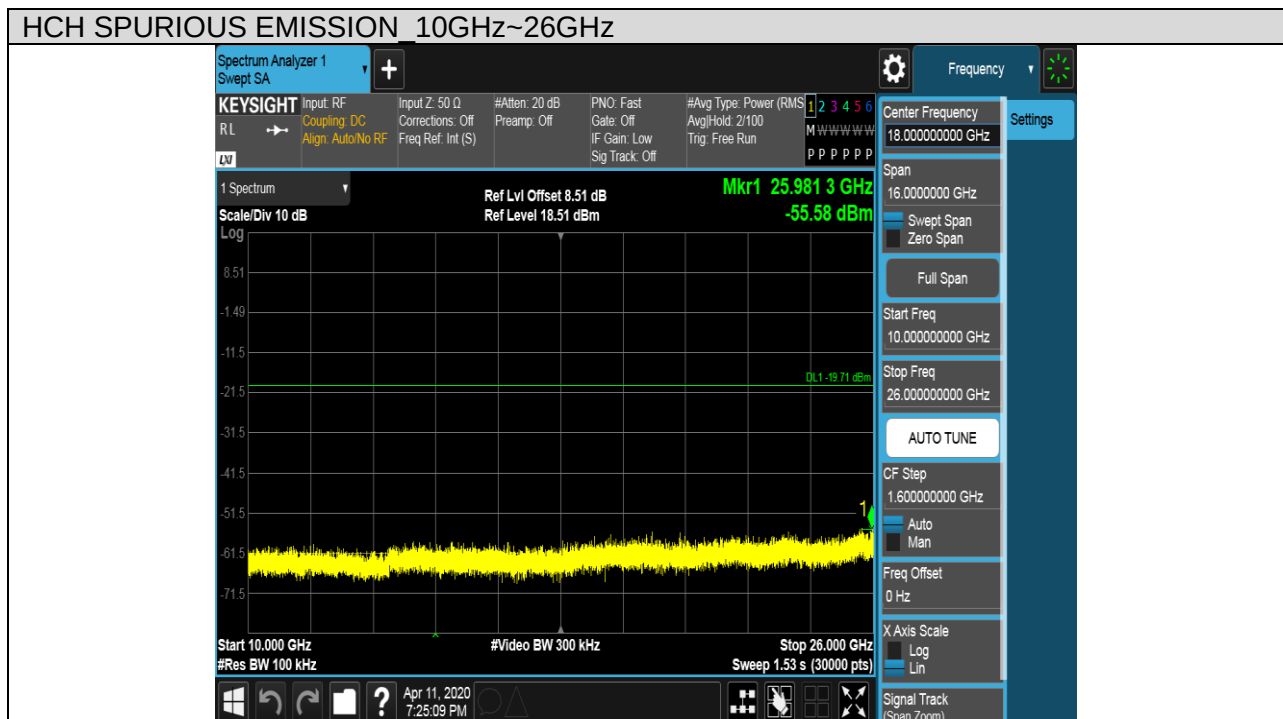
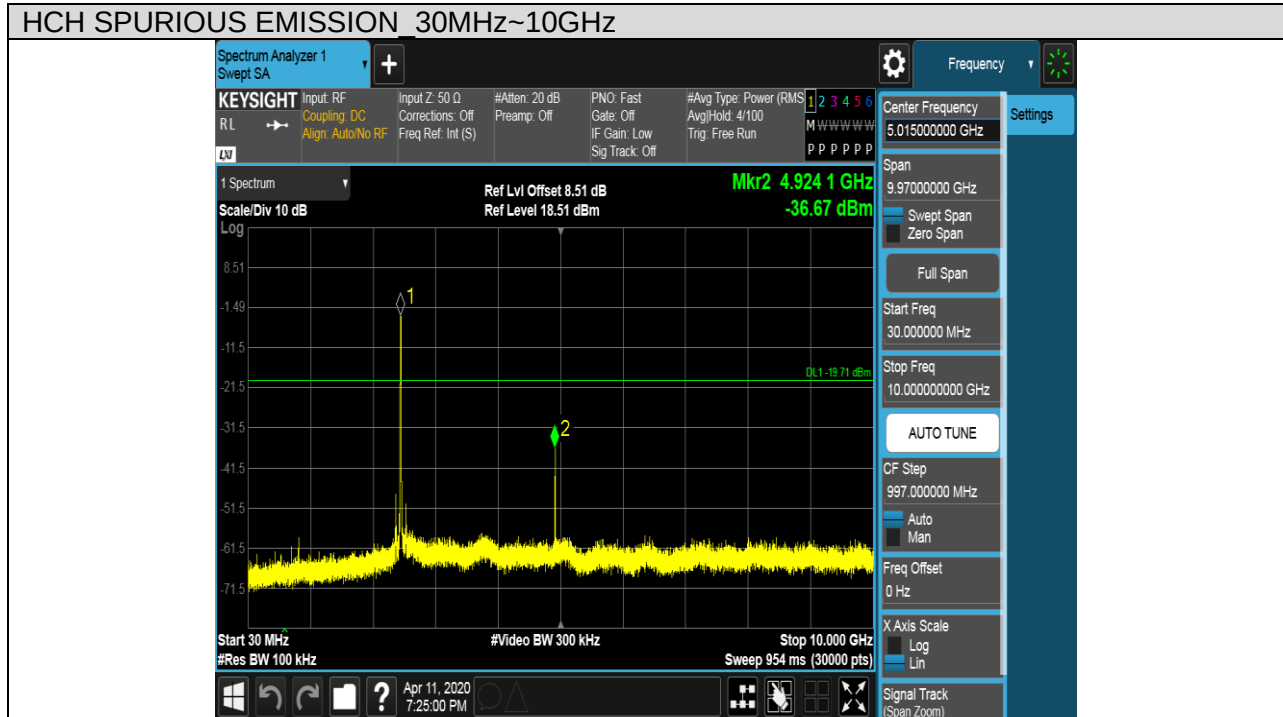
Test Mode	Channel	Verdict
11N HT20	HCH	PASS

Pref test Plot





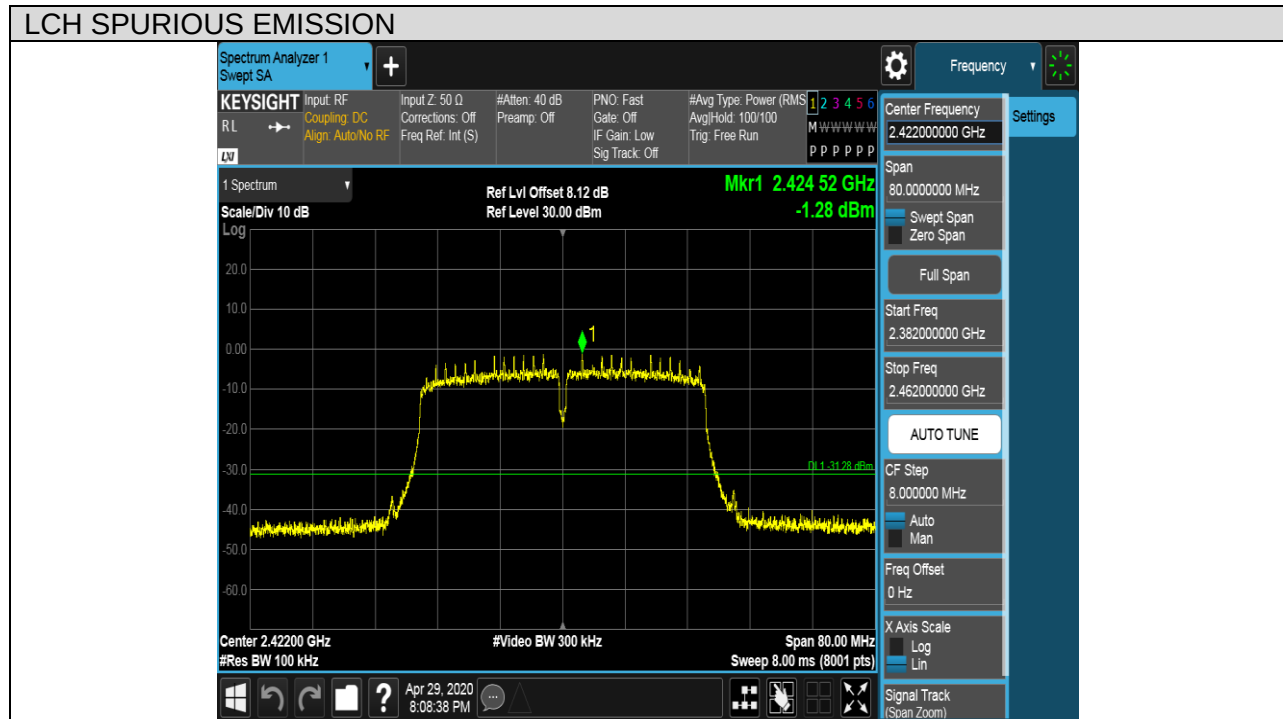
Puw test Plot





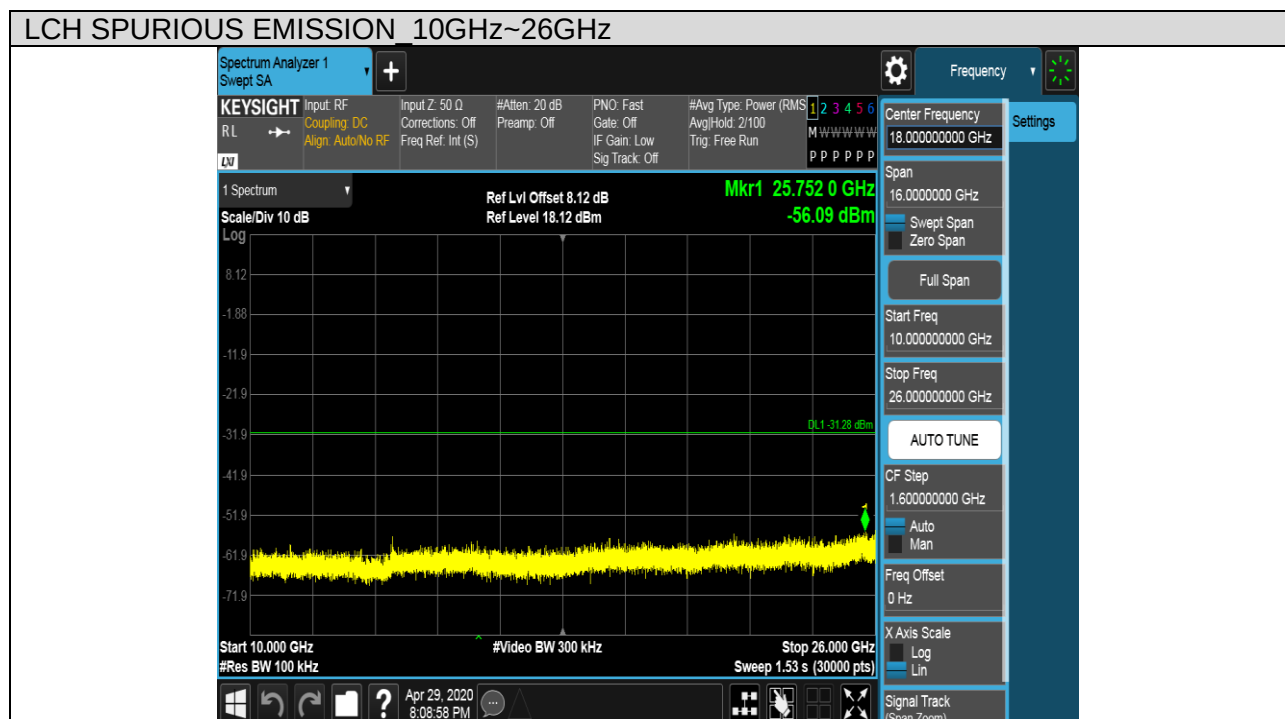
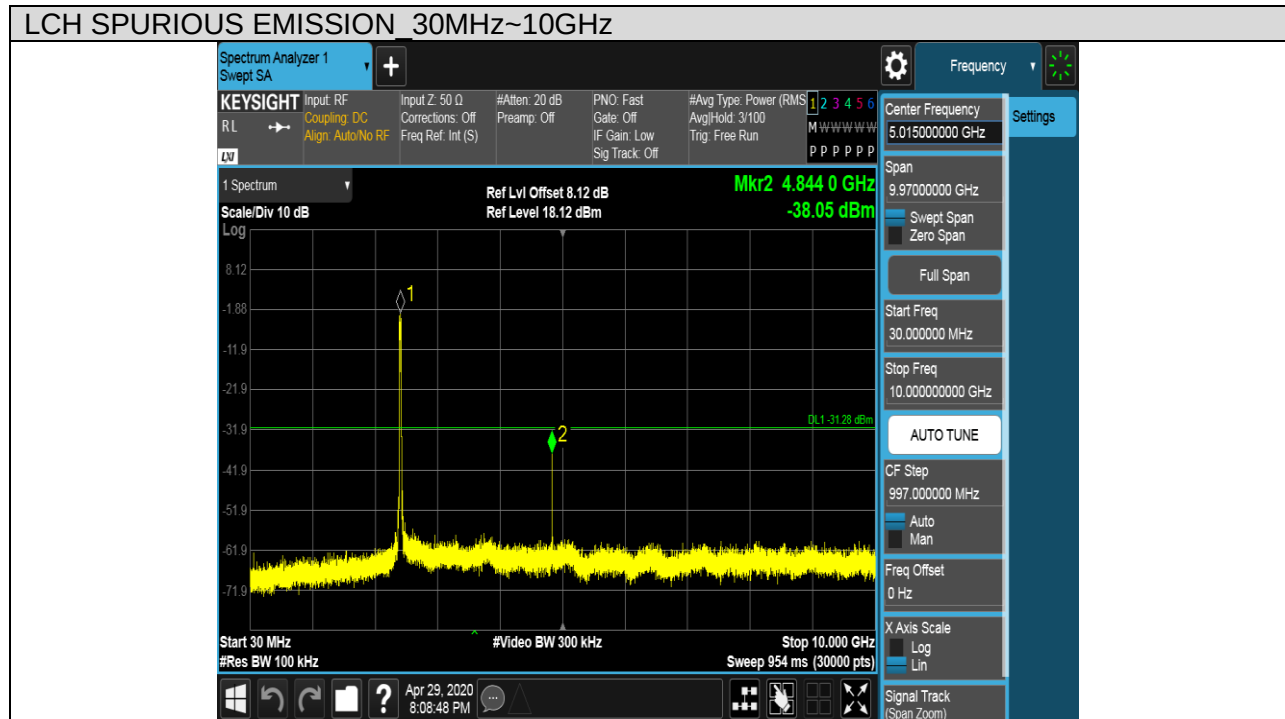
Test Mode	Channel	Verdict
11N HT40	LCH	PASS

Pref test Plot





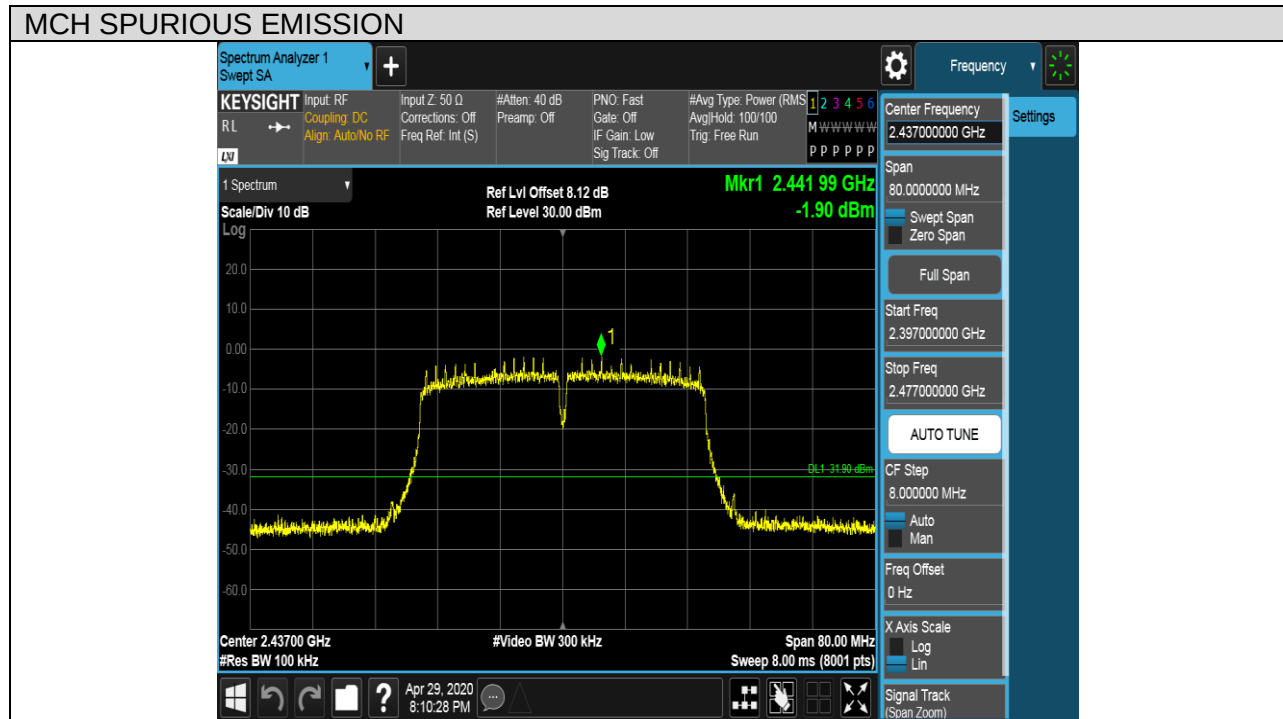
Puw test Plot





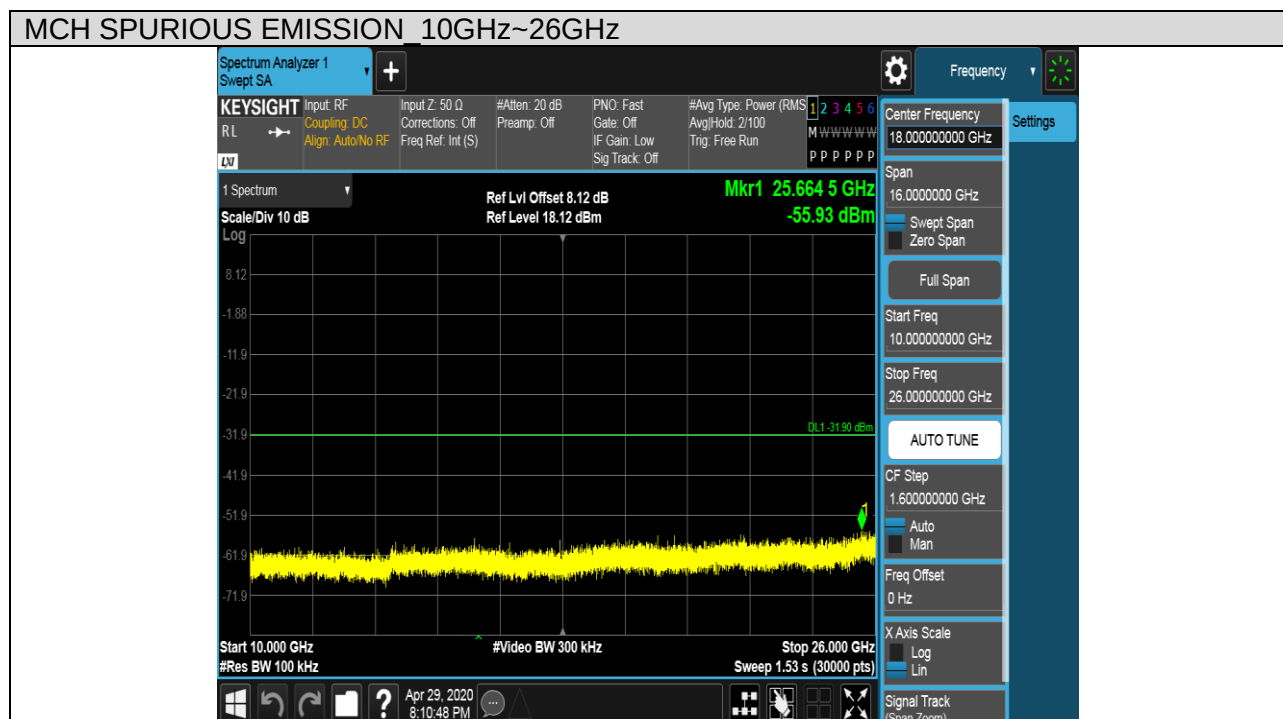
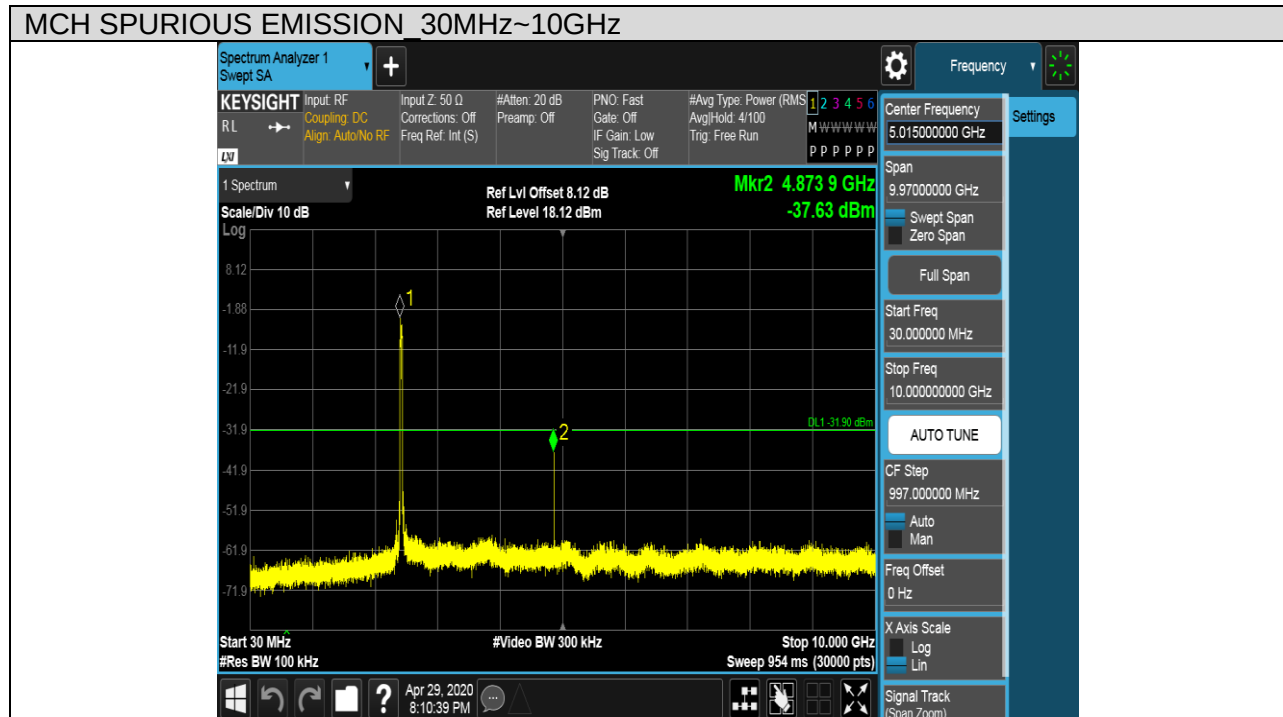
Test Mode	Channel	Verdict
11N HT40	MCH	PASS

Pref test Plot





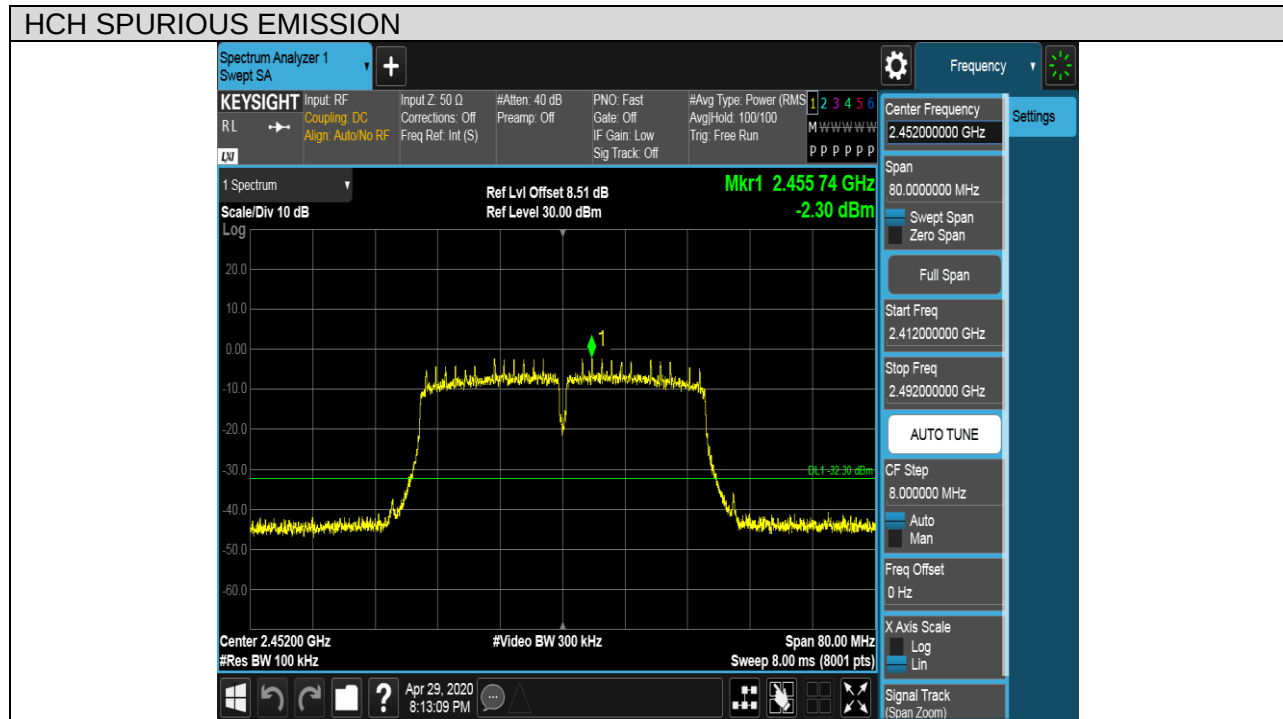
Puw test Plot





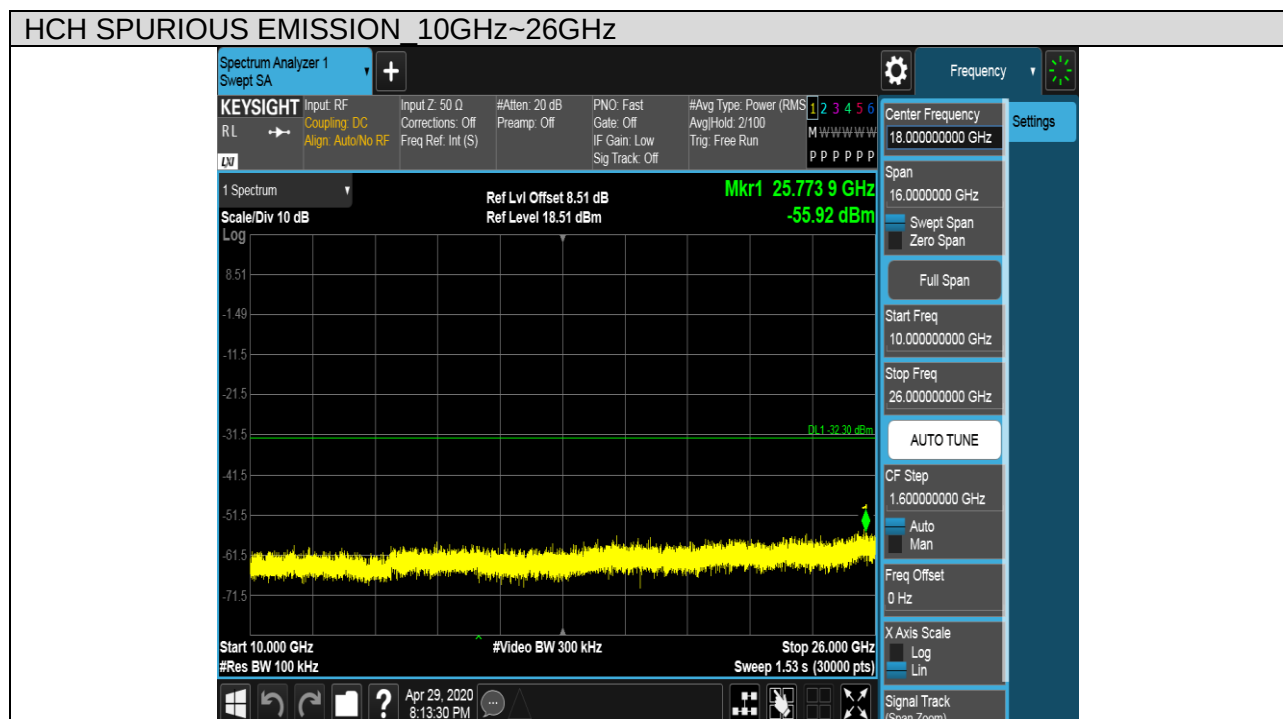
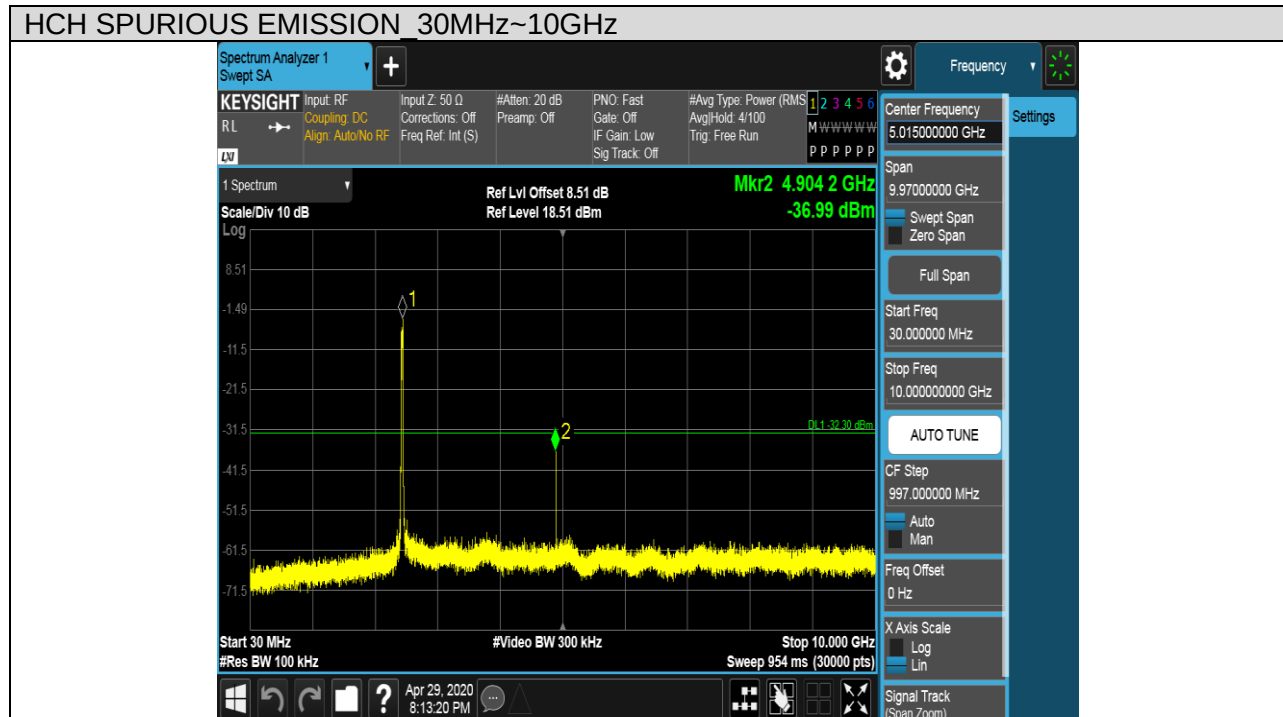
Test Mode	Channel	Verdict
11N HT40	HCH	PASS

Pref test Plot





Puw test Plot





7.6. RADIATED TEST RESULTS

7.6.1. LIMITS AND PROCEDURE

LIMITS

Please refer to FCC §15.205 and §15.209

Please refer to FCC KDB 558074

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

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

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

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



Radiation Disturbance Test Limit for FCC (Above 1G)

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

Restricted bands of operation

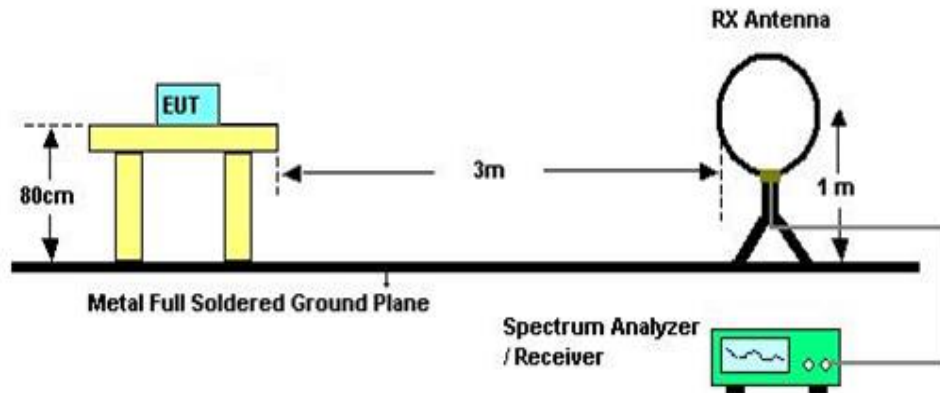
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218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

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

²Above 38.6c

TEST SETUP AND PROCEDURE

Below 30MHz

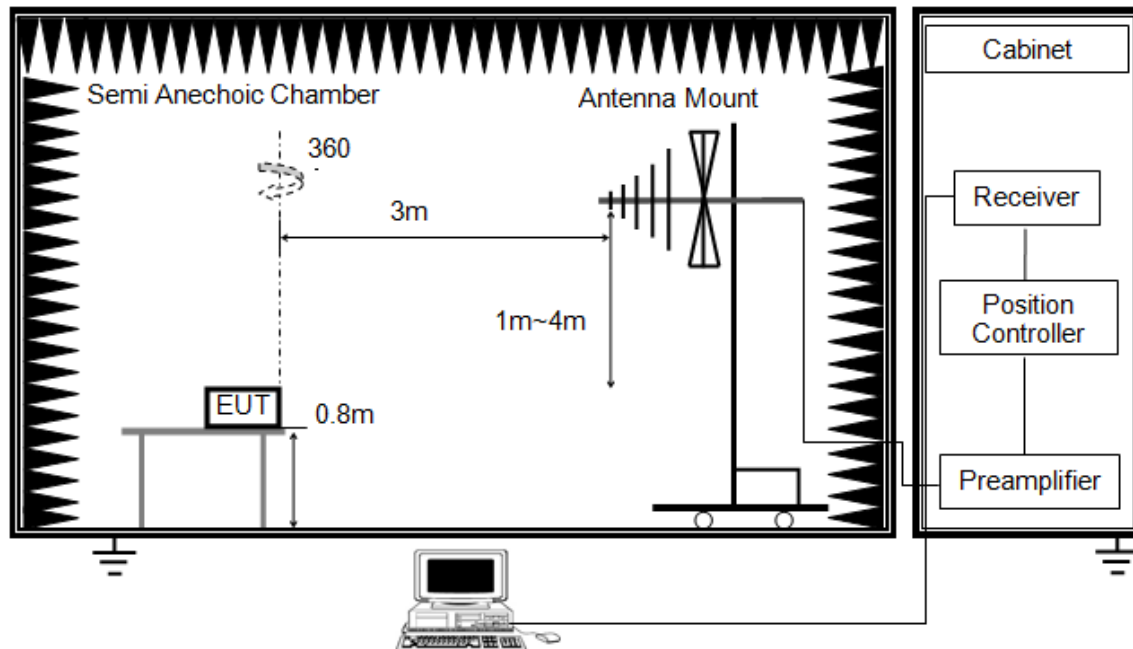


The setting of the spectrum analyser

RBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
VBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 0.8 meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector
6. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
7. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)

Below 1G

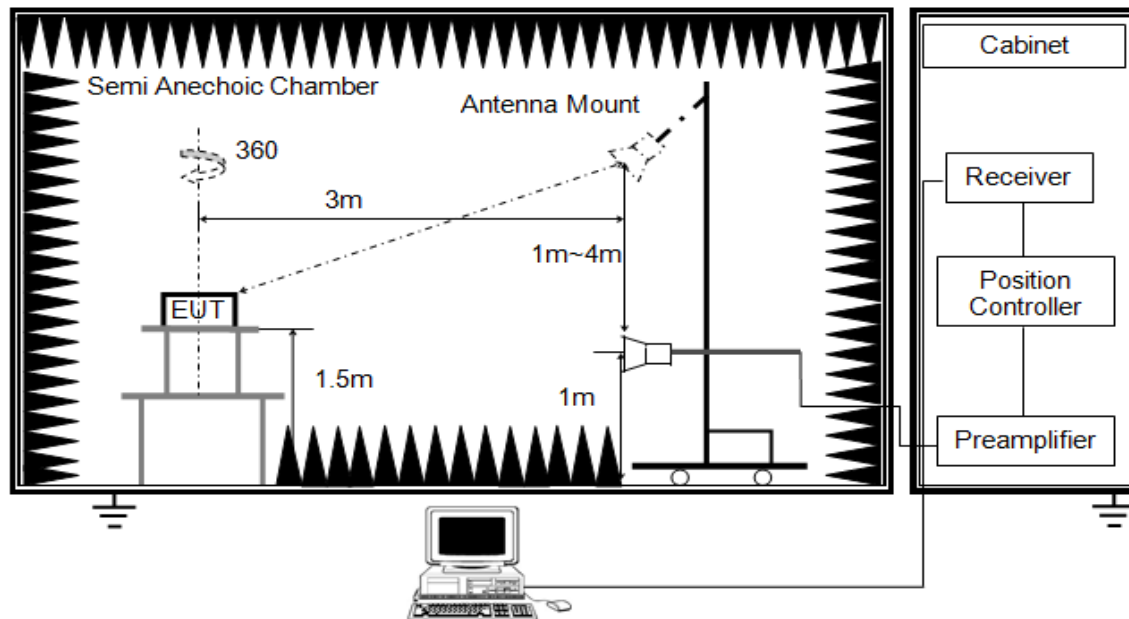


The setting of the spectrum analyser

RBW	120K
VBW	300K
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 0.8 meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
6. For the actual test configuration, please refer to the related Item in this test report (Photographs of the Test Configuration)

Above 1G



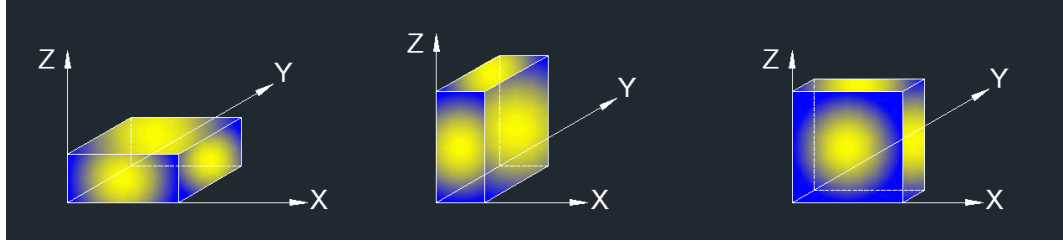
The setting of the spectrum analyser

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

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with set $VBW \leq RBW/100$, but not less than 10Hz video bandwidth with peak detector, max hold to be run for at least 50 traces for average measurements.
8. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)



X axis, Y axis positions:



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



7.6.2.TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	DC 12V

7.6.3.RESTRICTED BANDEDGE

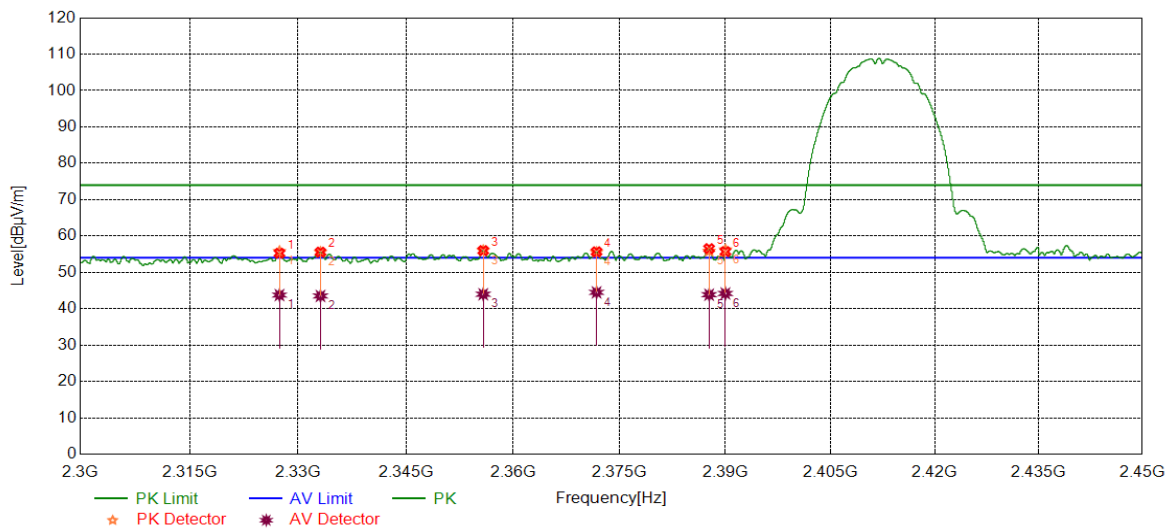
Test Result Table

Test Mode	Channel	Puw(dBm)	Verdict
11B	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11G	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11N HT20	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11N HT40	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS



Test Graphs:

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

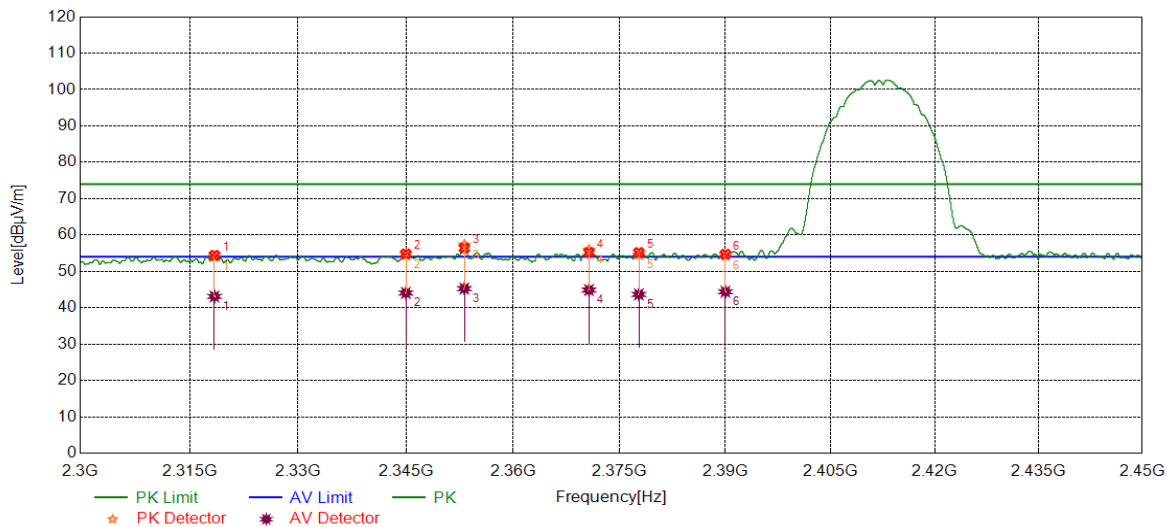


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2327.4159	42.66	13.10	55.76	74.00	-18.24	peak
		30.66	13.10	43.76	54.00	-10.24	average
2	2333.0979	42.31	13.20	55.51	74.00	-18.49	peak
		30.31	13.20	43.51	54.00	-10.49	average
3	2355.8070	42.55	13.44	55.99	74.00	-18.01	peak
		30.55	13.44	43.99	54.00	-10.01	average
4	2371.7465	41.95	13.55	55.50	74.00	-18.50	peak
		30.95	13.55	44.50	54.00	-9.50	average
5	2387.6860	42.11	13.75	55.86	74.00	-18.14	peak
		30.11	13.75	43.86	54.00	-10.14	average
6	2390.0000	42.45	13.75	56.20	74.00	-17.80	peak
		30.45	13.75	44.20	54.00	-9.80	average

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



Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS

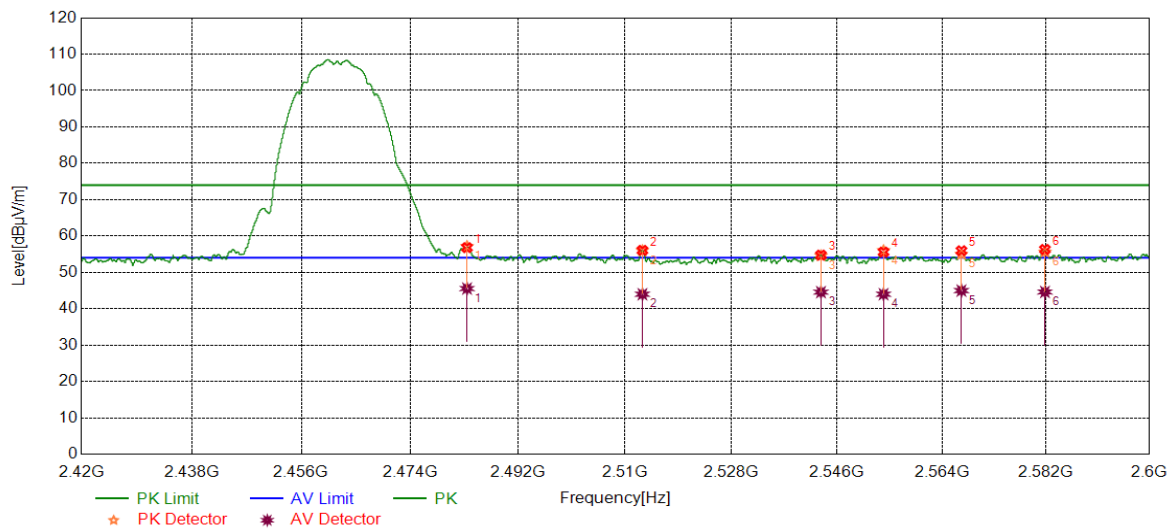


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2318.4336	41.11	12.99	54.10	74.00	-19.90	peak
		30.11	12.99	43.10	54.00	-10.90	average
2	2344.9869	41.23	13.34	54.57	74.00	-19.43	peak
		30.72	13.34	44.06	54.00	-9.94	average
3	2353.1629	43.83	13.43	57.26	74.00	-16.74	peak
		31.83	13.43	45.26	54.00	-8.74	average
4	2370.6776	42.33	13.55	55.88	74.00	-18.12	peak
		31.32	13.55	44.87	54.00	-9.13	average
5	2377.7285	41.01	13.65	54.66	74.00	-19.34	peak
		30.01	13.65	43.66	54.00	-10.34	average
6	2390.0000	40.65	13.75	54.40	74.00	-19.60	peak
		30.65	13.75	44.40	54.00	-9.60	average

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



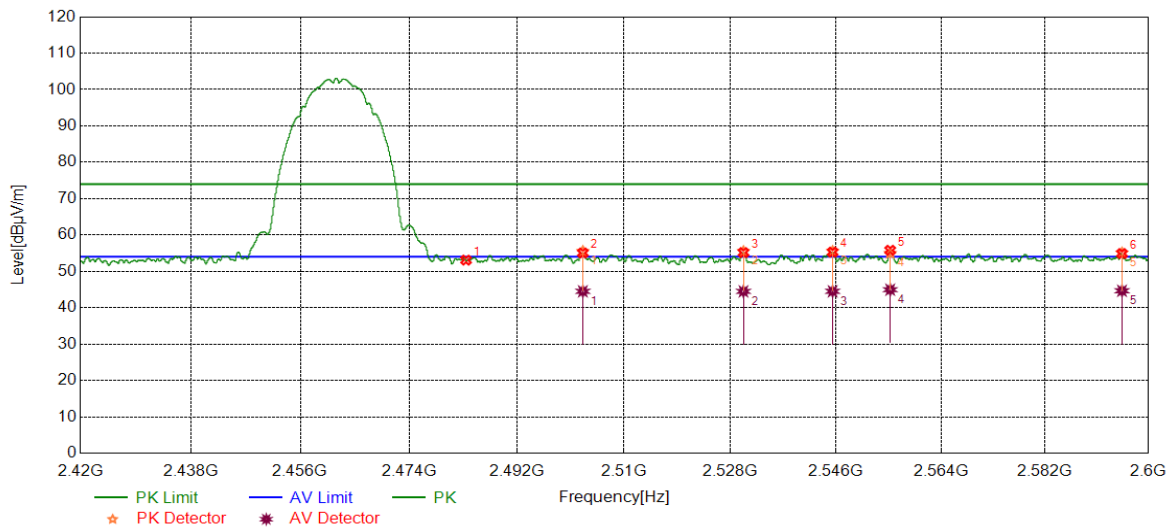
Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	44.04	13.51	57.55	74.00	-16.45	peak
		32.04	13.51	45.55	54.00	-8.45	average
2	2512.9253	42.25	13.74	55.99	74.00	-18.01	peak
		30.25	13.74	43.99	54.00	-10.01	average
3	2543.2403	40.66	13.91	54.57	74.00	-19.43	peak
		30.66	13.91	44.57	54.00	-9.43	average
4	2553.9514	42.06	13.94	56.00	74.00	-18.00	peak
		30.06	13.94	44.00	54.00	-10.00	average
5	2567.3447	41.00	13.99	54.99	74.00	-19.01	peak
		31.00	13.99	44.99	54.00	-9.01	average
6	2581.7822	41.62	14.00	55.62	74.00	-18.38	peak
		30.62	14.00	44.62	54.00	-9.38	average

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

Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS

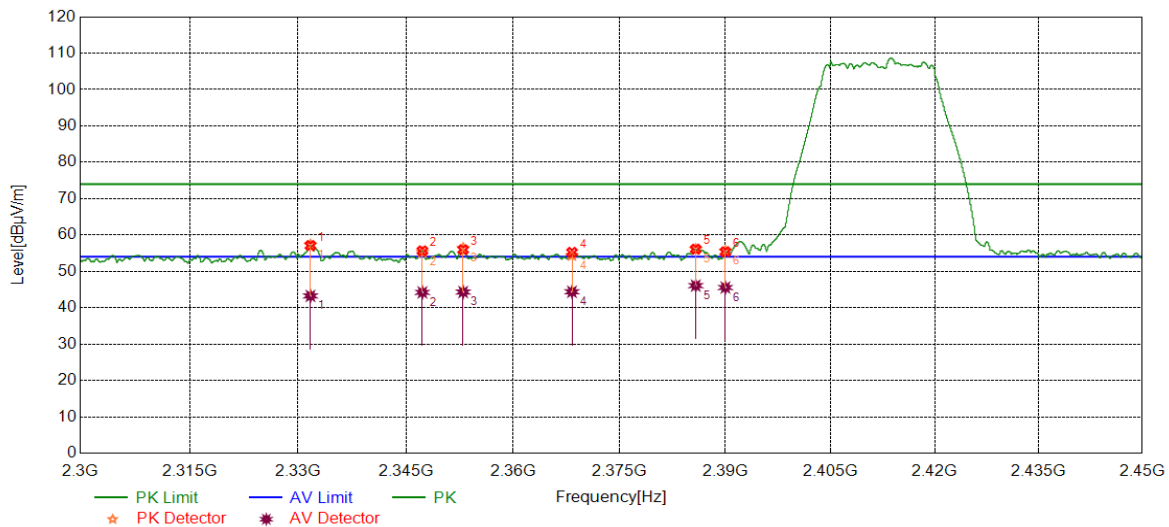


No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.5000	39.58	13.51	53.09	74.00	-20.91	peak
2	2503.0603	41.82	13.69	55.51	74.00	-18.49	peak
		30.82	13.69	44.51	54.00	-9.49	average
3	2530.2070	41.65	13.85	55.50	74.00	-18.50	peak
		30.65	13.85	44.50	54.00	-9.50	average
4	2545.4005	41.61	13.91	55.52	74.00	-18.48	peak
		30.61	13.91	44.52	54.00	-9.48	average
5	2555.2655	40.99	13.97	54.96	74.00	-19.04	peak
		30.99	13.97	44.96	54.00	-9.04	average
6	2595.3555	40.99	14.07	55.06	74.00	-18.94	peak
		30.59	14.07	44.66	54.00	-9.34	average

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



Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS

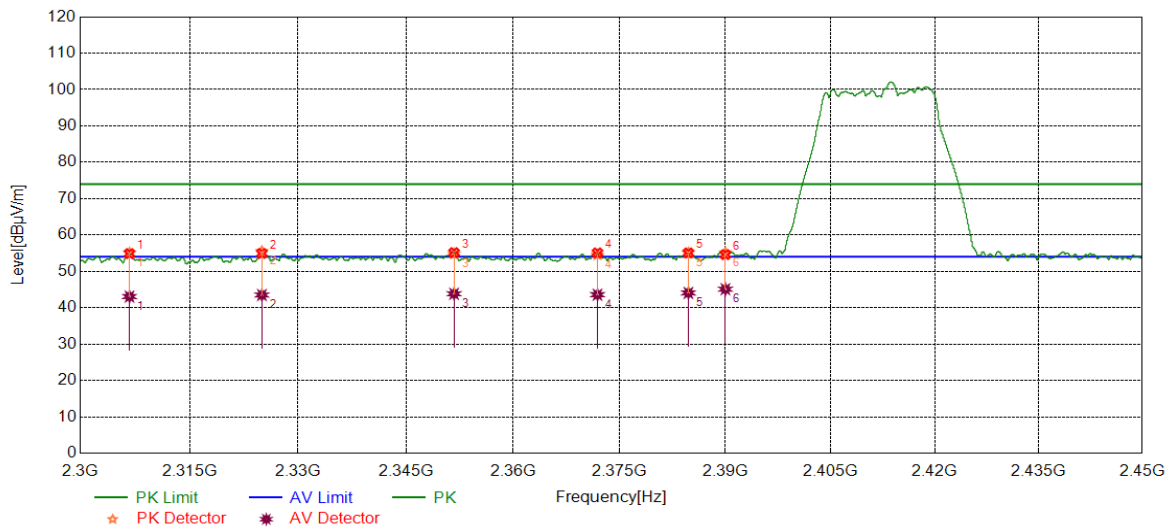


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2331.7102	44.07	13.18	57.25	74.00	-16.75	peak
		30.07	13.18	43.25	54.00	-10.75	average
2	2347.2934	41.86	13.36	55.22	74.00	-18.78	peak
		30.86	13.36	44.22	54.00	-9.78	average
3	2352.9941	42.89	13.43	56.32	74.00	-17.68	peak
		30.89	13.43	44.32	54.00	-9.68	average
4	2368.2773	40.87	13.52	54.39	74.00	-19.61	peak
		30.86	13.52	44.38	54.00	-9.62	average
5	2385.7920	43.34	13.74	57.08	74.00	-16.92	peak
		32.34	13.74	46.08	54.00	-7.92	average
6	2390.0000	41.80	13.75	55.55	74.00	-18.45	peak
		31.80	13.75	45.55	54.00	-8.45	average

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

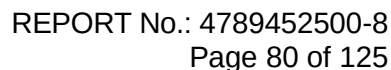


Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2306.7321	42.15	12.92	55.07	74.00	-18.93	peak
		30.15	12.92	43.07	54.00	-10.93	average
2	2324.9781	42.44	13.06	55.50	74.00	-18.50	peak
		30.44	13.06	43.50	54.00	-10.50	average
3	2351.7190	41.43	13.40	54.83	74.00	-19.17	peak
		30.43	13.40	43.83	54.00	-10.17	average
4	2371.8777	41.03	13.55	54.58	74.00	-19.42	peak
		30.03	13.55	43.58	54.00	-10.42	average
5	2384.7418	42.34	13.73	56.07	74.00	-17.93	peak
		30.34	13.73	44.07	54.00	-9.93	average
6	2390.0000	41.35	13.75	55.10	74.00	-18.90	peak
		31.35	13.75	45.10	54.00	-8.90	average

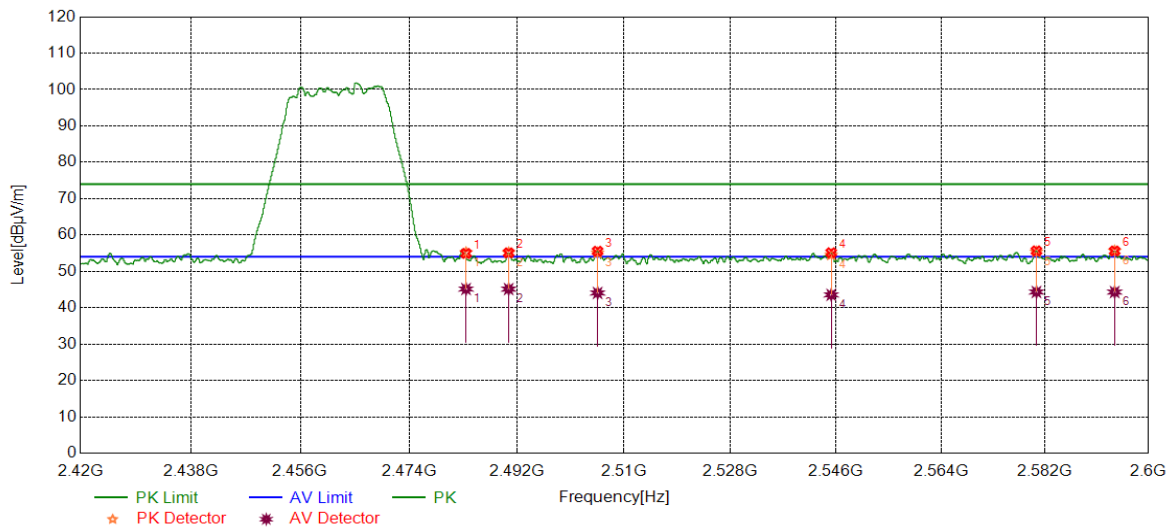
- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed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



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



Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS

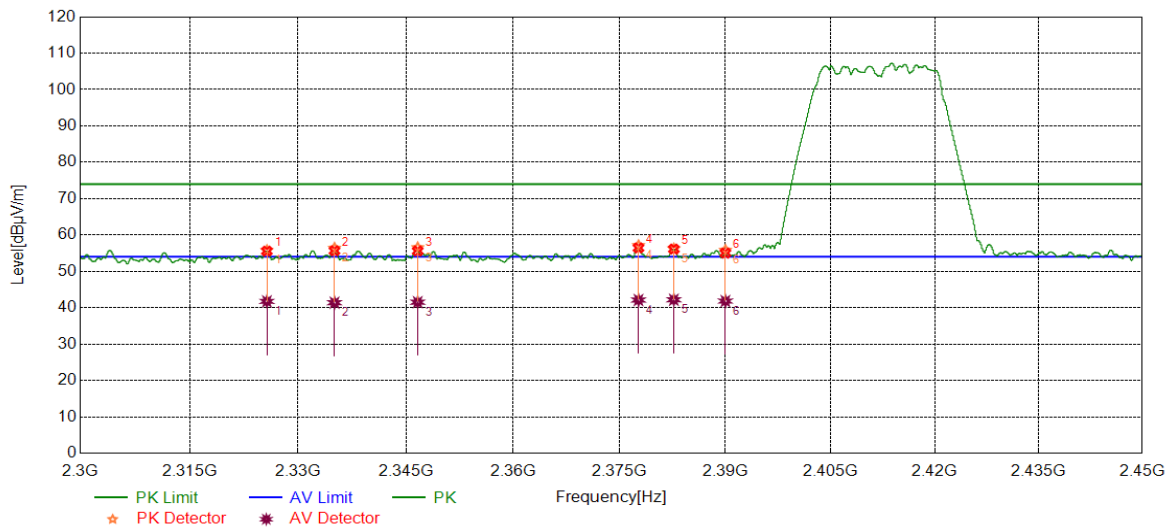


No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.5000	41.64	13.51	55.15	74.00	-18.85	peak
		31.64	13.51	45.15	54.00	-8.85	average
2	2490.6211	41.56	13.57	55.13	74.00	-18.87	peak
		31.56	13.57	45.13	54.00	-8.87	average
3	2505.5446	41.39	13.69	55.08	74.00	-18.92	peak
		30.38	13.69	44.07	54.00	-9.93	average
4	2545.1665	40.64	13.91	54.55	74.00	-19.45	peak
		29.64	13.91	43.55	54.00	-10.45	average
5	2580.4860	41.33	14.01	55.34	74.00	-18.66	peak
		30.33	14.01	44.34	54.00	-9.66	average
6	2594.0774	41.54	14.07	55.61	74.00	-18.39	peak
		30.24	14.07	44.31	54.00	-9.69	average

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. 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

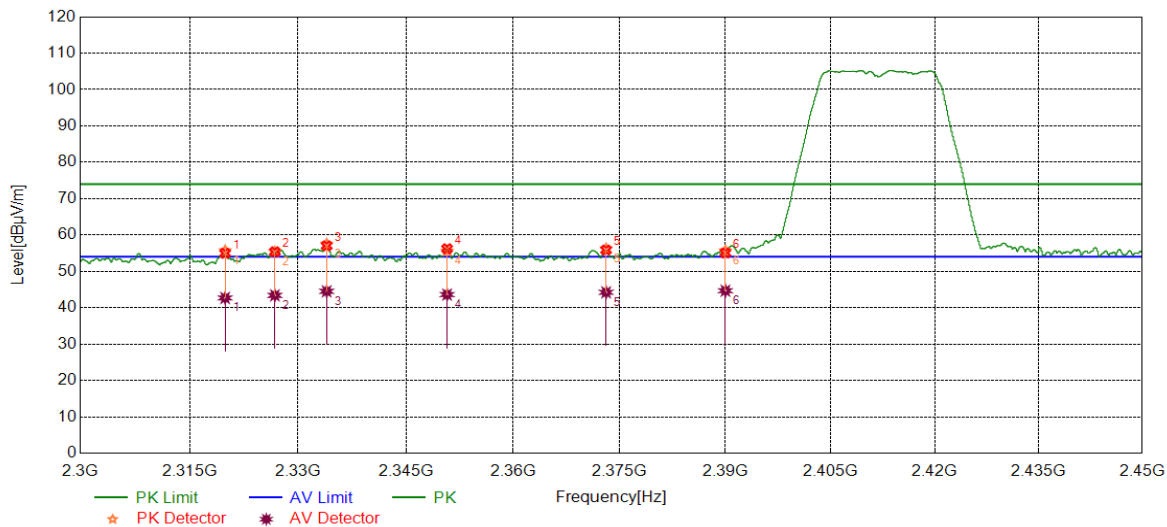


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2325.6720	43.15	13.09	56.24	74.00	-17.76	peak
		28.66	13.09	41.75	54.00	-12.25	average
2	2335.0481	41.49	13.22	54.71	74.00	-19.29	peak
		28.16	13.22	41.38	54.00	-12.62	average
3	2346.6371	42.42	13.35	55.77	74.00	-18.23	peak
		28.18	13.35	41.53	54.00	-12.47	average
4	2377.6722	43.47	13.65	57.12	74.00	-16.88	peak
		28.47	13.65	42.12	54.00	-11.88	average
5	2382.6791	42.88	13.70	56.58	74.00	-17.42	peak
		28.50	13.70	42.20	54.00	-11.80	average
6	2390.0000	41.20	13.75	54.95	74.00	-19.05	peak
		28.08	13.75	41.83	54.00	-12.17	average

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



Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS

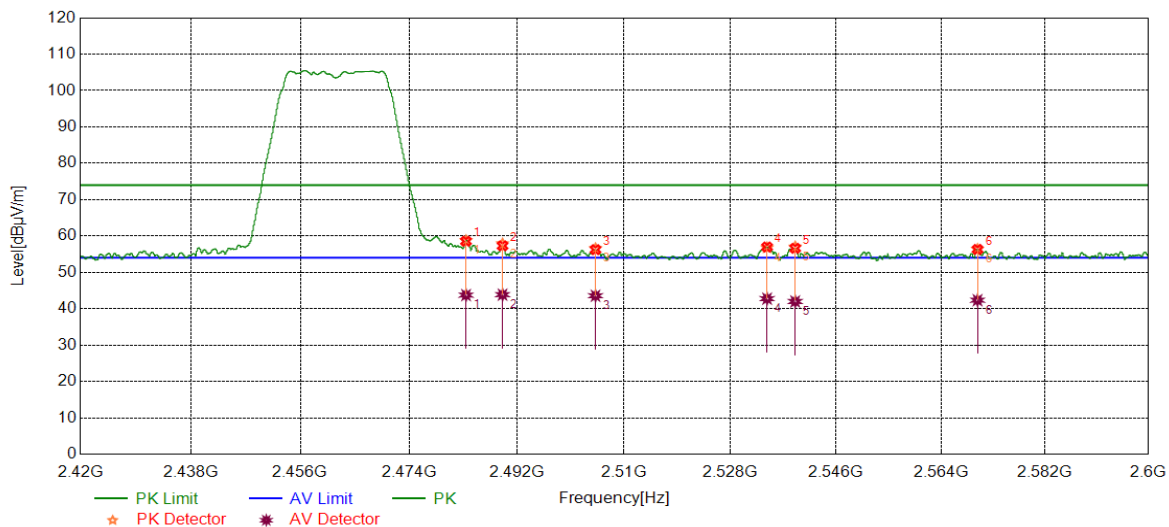


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2319.8962	42.67	13.02	55.69	74.00	-18.31	peak
		29.67	13.02	42.69	54.00	-11.31	average
2	2326.7783	42.30	13.10	55.40	74.00	-18.60	peak
		30.30	13.10	43.40	54.00	-10.60	average
3	2333.9605	44.32	13.20	57.52	74.00	-16.48	peak
		31.32	13.20	44.52	54.00	-9.48	average
4	2350.7438	42.22	13.39	55.61	74.00	-18.39	peak
		30.22	13.39	43.61	54.00	-10.39	average
5	2373.0966	42.66	13.57	56.23	74.00	-17.77	peak
		30.66	13.57	44.23	54.00	-9.77	average
6	2390.0000	41.93	13.75	55.68	74.00	-18.32	peak
		30.93	13.75	44.68	54.00	-9.32	average

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



Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS

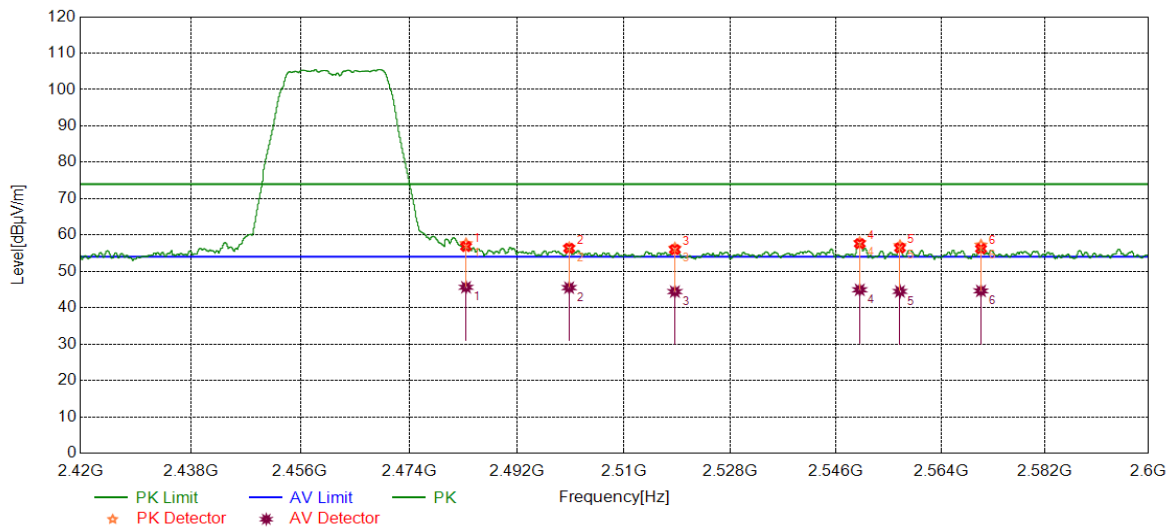


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	45.24	13.51	58.75	74.00	-15.25	peak
		30.24	13.51	43.75	54.00	-10.25	average
2	2489.5950	44.32	13.55	57.87	74.00	-16.13	peak
		30.32	13.55	43.87	54.00	-10.13	average
3	2505.1845	42.89	13.68	56.57	74.00	-17.43	peak
		29.89	13.68	43.57	54.00	-10.43	average
4	2534.2214	42.92	13.85	56.77	74.00	-17.23	peak
		28.92	13.85	42.77	54.00	-11.23	average
5	2539.0099	43.11	13.88	56.99	74.00	-17.01	peak
		28.11	13.88	41.99	54.00	-12.01	average
6	2570.2970	42.35	14.00	56.35	74.00	-17.65	peak
		28.35	14.00	42.35	54.00	-11.65	average

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



Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS

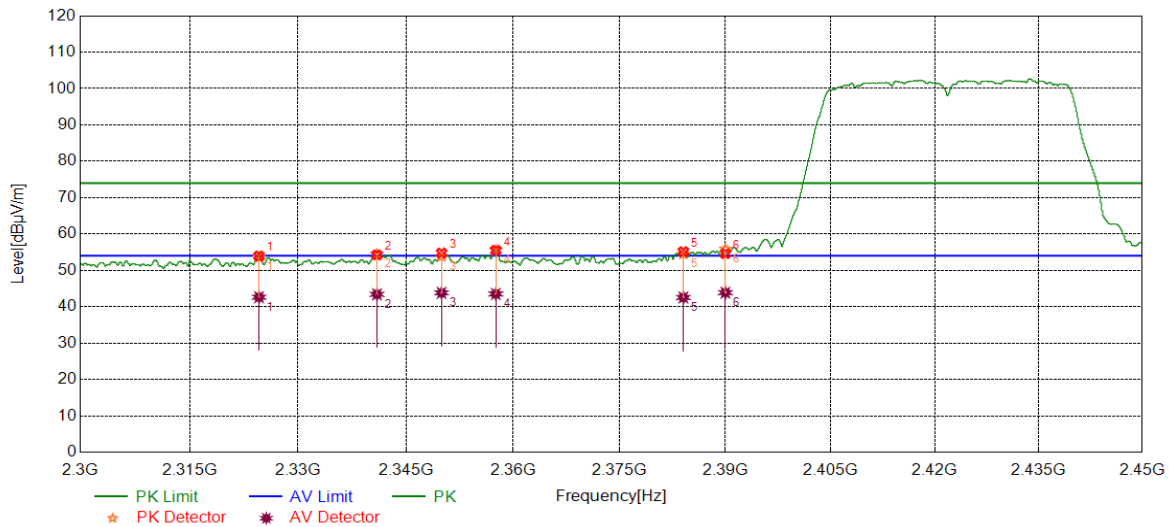


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	44.12	13.51	57.63	74.00	-16.37	peak
		32.12	13.51	45.63	54.00	-8.37	average
2	2500.7561	42.84	13.68	56.52	74.00	-17.48	peak
		31.84	13.68	45.52	54.00	-8.48	average
3	2518.5779	42.66	13.77	56.43	74.00	-17.57	peak
		30.66	13.77	44.43	54.00	-9.57	average
4	2550.0450	43.99	13.94	57.93	74.00	-16.07	peak
		30.99	13.94	44.93	54.00	-9.07	average
5	2556.9397	43.51	13.99	57.50	74.00	-16.50	peak
		30.50	13.99	44.49	54.00	-9.51	average
6	2570.8911	43.64	14.00	57.64	74.00	-16.36	peak
		30.63	14.00	44.63	54.00	-9.37	average

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



Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Horizontal	PASS

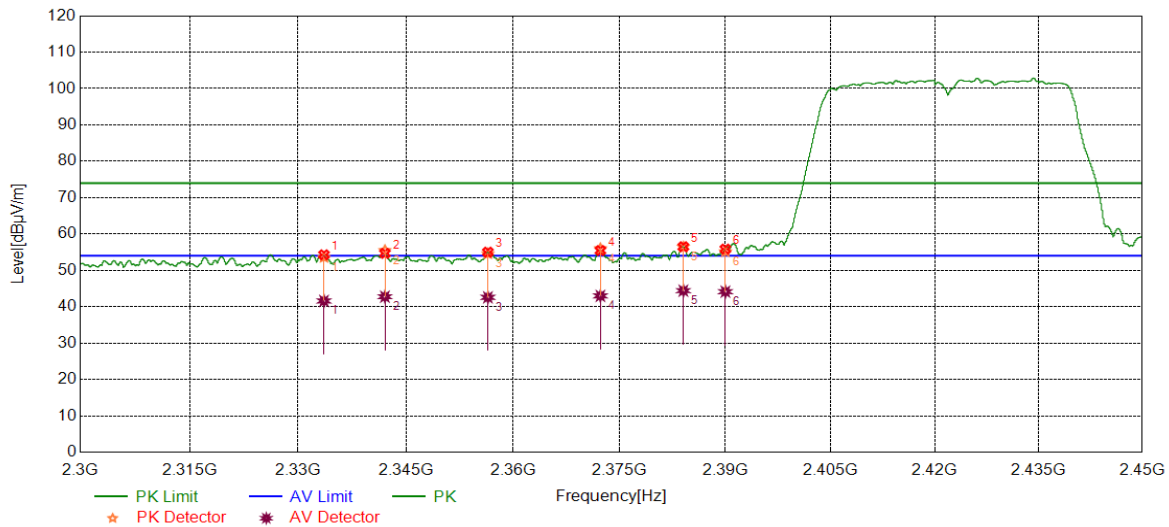


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2324.5843	40.56	13.06	53.62	74.00	-20.38	peak
		29.56	13.06	42.62	54.00	-11.38	average
2	2340.9551	41.12	13.29	54.41	74.00	-19.59	peak
		30.12	13.29	43.41	54.00	-10.59	average
3	2349.9750	40.44	13.38	53.82	74.00	-20.18	peak
		30.44	13.38	43.82	54.00	-10.18	average
4	2357.5697	42.07	13.45	55.52	74.00	-18.48	peak
		30.07	13.45	43.52	54.00	-10.48	average
5	2384.0293	40.83	13.71	54.54	74.00	-19.46	peak
		28.83	13.71	42.54	54.00	-11.46	average
6	2390.0000	42.12	13.75	55.87	74.00	-18.13	peak
		30.12	13.75	43.87	54.00	-10.13	average

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



Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Vertical	PASS

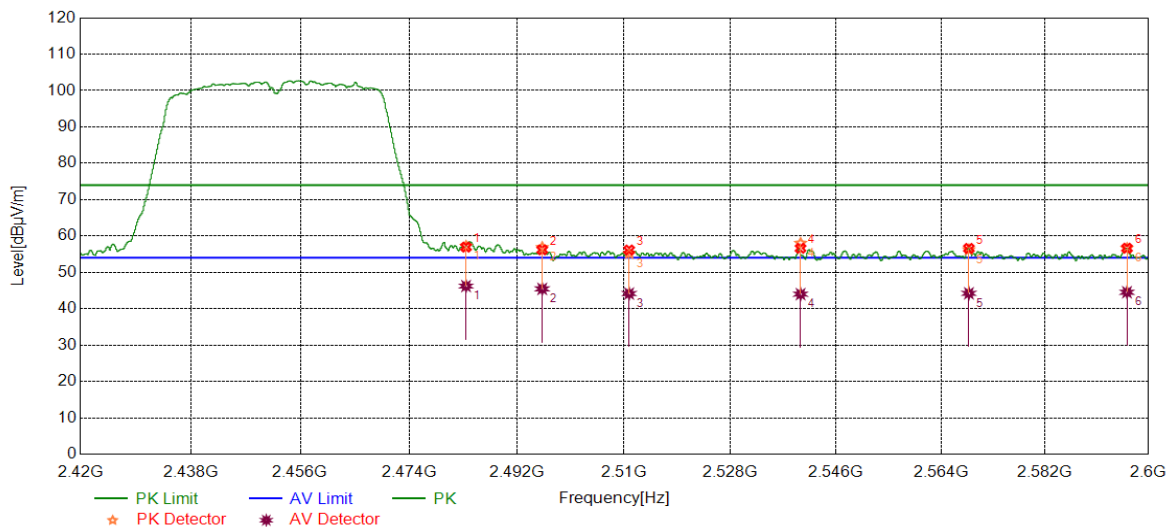


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2333.5854	40.39	13.20	53.59	74.00	-20.41	peak
		28.39	13.20	41.59	54.00	-12.41	average
2	2342.0615	42.46	13.30	55.76	74.00	-18.24	peak
		29.46	13.30	42.76	54.00	-11.24	average
3	2356.4633	41.14	13.44	54.58	74.00	-19.42	peak
		29.14	13.44	42.58	54.00	-11.42	average
4	2372.2903	42.43	13.55	55.98	74.00	-18.02	peak
		29.43	13.55	42.98	54.00	-11.02	average
5	2384.0293	42.71	13.71	56.42	74.00	-17.58	peak
		30.71	13.71	44.42	54.00	-9.58	average
6	2390.0000	41.39	13.75	55.14	74.00	-18.86	peak
		30.39	13.75	44.14	54.00	-9.86	average

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



Test Mode	Channel	Polarization	Verdict
11N HT40	HCH	Horizontal	PASS

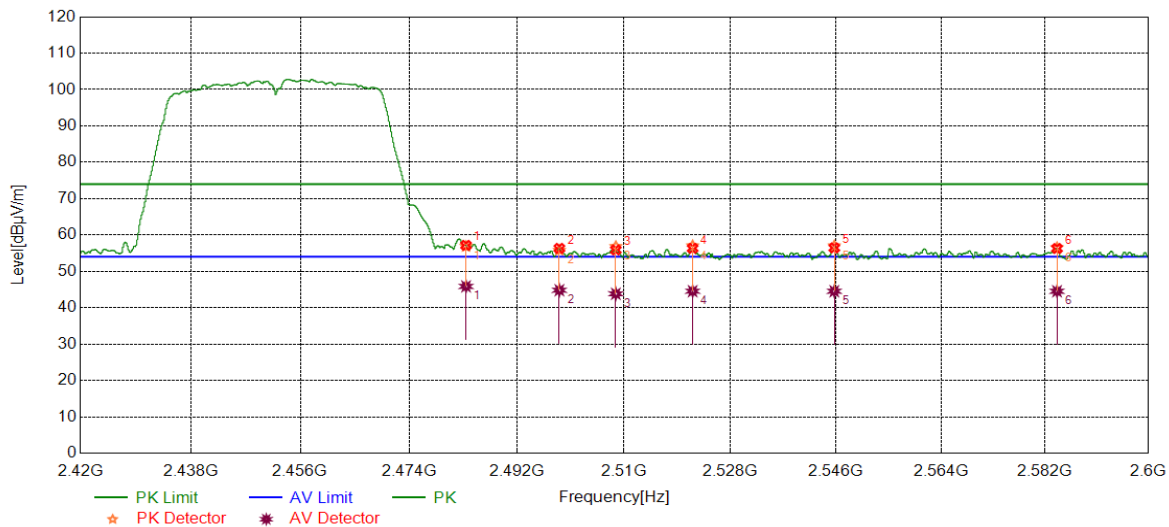


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	43.72	13.51	57.23	74.00	-16.77	peak
		32.72	13.51	46.23	54.00	-7.77	average
2	2496.2376	43.85	13.61	57.46	74.00	-16.54	peak
		31.85	13.61	45.46	54.00	-8.54	average
3	2510.8551	41.44	13.73	55.17	74.00	-18.83	peak
		30.44	13.73	44.17	54.00	-9.83	average
4	2539.9280	44.13	13.88	58.01	74.00	-15.99	peak
		30.13	13.88	44.01	54.00	-9.99	average
5	2568.8029	42.25	13.98	56.23	74.00	-17.77	peak
		30.25	13.98	44.23	54.00	-9.77	average
6	2596.2196	43.46	14.07	57.53	74.00	-16.47	peak
		30.46	14.07	44.53	54.00	-9.47	average

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



Test Mode	Channel	Polarization	Verdict
11N HT40	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	43.36	13.51	56.87	74.00	-17.13	peak
		32.36	13.51	45.87	54.00	-8.13	average
2	2499.1179	42.15	13.67	55.82	74.00	-18.18	peak
		31.15	13.67	44.82	54.00	-9.18	average
3	2508.6049	43.12	13.72	56.84	74.00	-17.16	peak
		30.12	13.72	43.84	54.00	-10.16	average
4	2521.5842	43.74	13.81	57.55	74.00	-16.45	peak
		30.74	13.81	44.55	54.00	-9.45	average
5	2545.6886	43.63	13.91	57.54	74.00	-16.46	peak
		30.63	13.91	44.54	54.00	-9.46	average
6	2584.0504	42.52	14.01	56.53	74.00	-17.47	peak
		30.52	14.01	44.53	54.00	-9.47	average

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



7.6.4.SPURIOUS EMISSIONS

Test Result Table:

1) For 1GHz~18GHz

Test Mode	Channel	Puw(dBm)	Verdict
11B	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11G	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11N HT20	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11N HT40	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS

2) For 9KHz~30MHz

Test Mode	Channel	Puw(dBm)	Verdict
11B	HCH	<Limit	PASS

Remark:

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

3) For 30MHz~1GHz

Test Mode	Channel	Puw(dBm)	Verdict
11B	HCH	<Limit	PASS

Remark:

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

4) For 18GHz~26.5GHz

Test Mode	Channel	Puw(dBm)	Verdict
11B	HCH	<Limit	PASS

Remark:

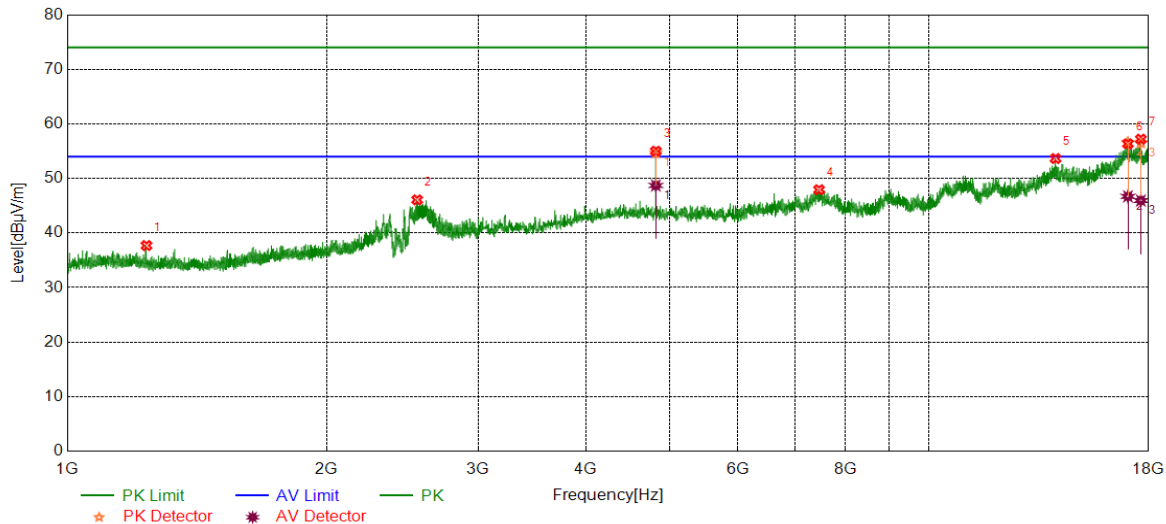
1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.



Part I: 1GHz~18GHz

HARMONICS AND SPURIOUS EMISSIONS

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

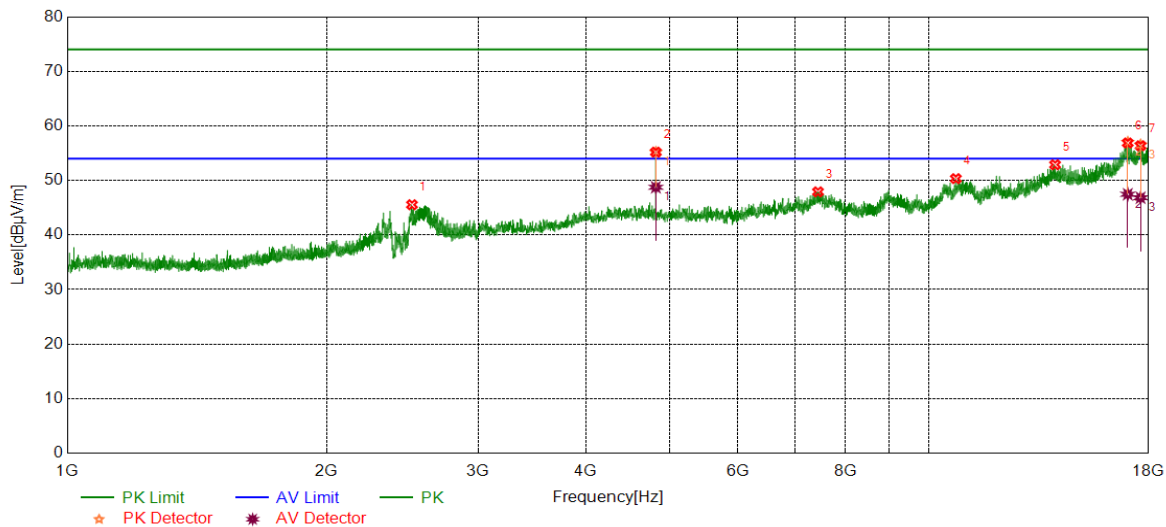


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1236.0295	43.31	-5.61	37.70	74.00	-36.30	peak
2	2547.9435	47.14	-1.06	46.08	74.00	-27.92	peak
3	4822.7278	49.74	4.90	54.64	74.00	-19.36	peak
		43.81	4.90	48.71	54.00	-5.29	average
4	7459.3074	38.60	9.34	47.94	74.00	-26.06	peak
5	14035.7545	38.14	15.51	53.65	74.00	-20.35	peak
6	17030.5038	37.13	19.50	56.63	74.00	-17.37	peak
		27.21	19.50	46.71	54.00	-7.29	average
7	17630.5788	37.65	18.86	56.51	74.00	-17.49	peak
		27.09	18.86	45.95	54.00	-8.05	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS

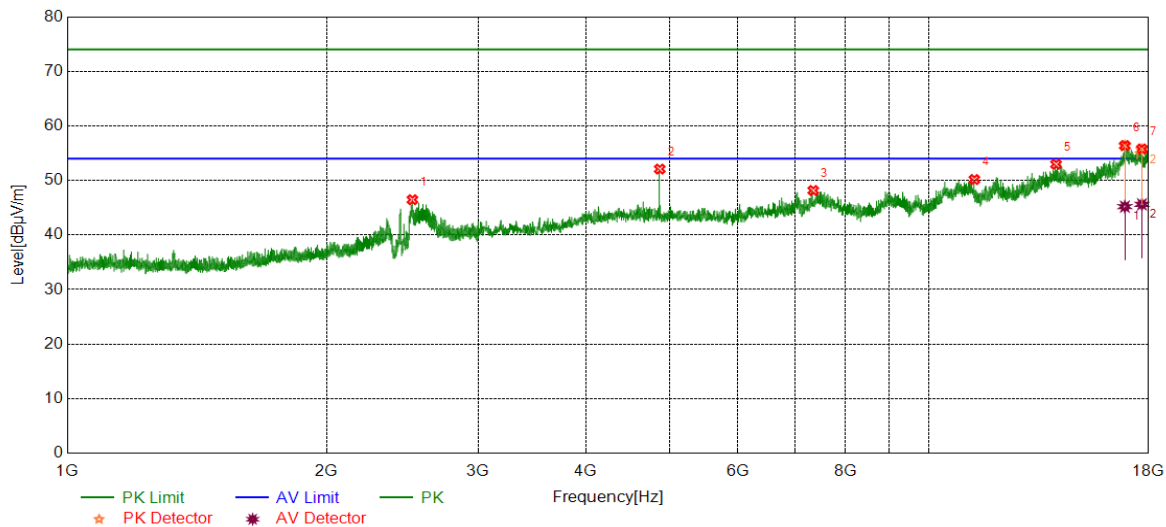


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2512.9391	46.15	-0.60	45.55	74.00	-28.45	peak
2	4822.7278	50.27	4.90	55.17	74.00	-18.83	peak
		43.85	4.90	48.75	54.00	-5.25	average
3	7438.6798	38.74	9.17	47.91	74.00	-26.09	peak
4	10752.2190	38.20	12.13	50.33	74.00	-23.67	peak
5	14017.0021	37.64	15.24	52.88	74.00	-21.12	peak
6	17023.0029	38.68	19.33	58.01	74.00	-15.99	peak
		28.14	19.33	47.47	54.00	-6.53	average
7	17617.4522	37.8	18.71	56.51	74.00	-17.49	peak
		28.12	18.71	46.83	54.00	-7.17	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS

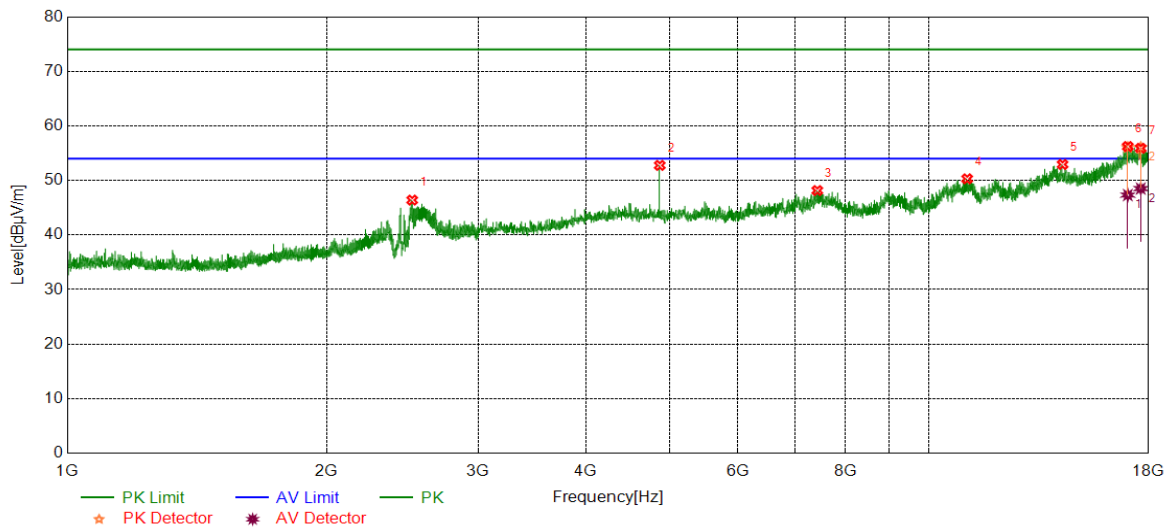


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2516.1895	47.14	-0.67	46.47	74.00	-27.53	peak
2	4873.3592	47.23	4.86	52.09	74.00	-21.91	peak
3	7344.9181	39.51	8.65	48.16	74.00	-25.84	peak
4	11297.9122	38.27	11.90	50.17	74.00	-23.83	peak
5	14054.5068	37.28	15.68	52.96	74.00	-21.04	peak
6	16891.7365	38.04	18.32	56.36	74.00	-17.64	peak
		26.88	18.32	45.20	54.00	-8.80	average
7	17679.3349	37.50	18.15	55.65	74.00	-18.35	peak
		27.47	18.15	45.62	54.00	-8.38	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS

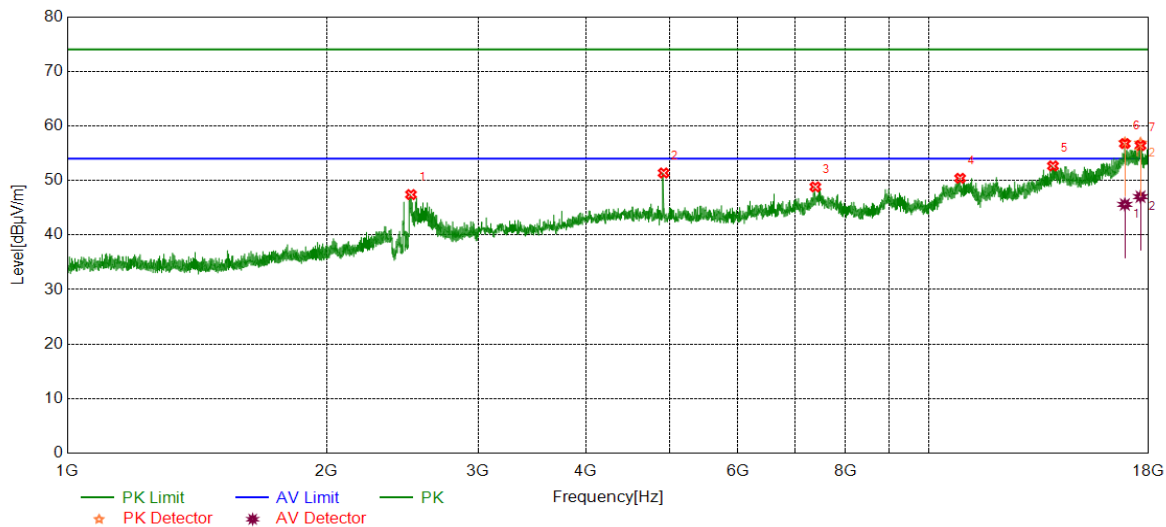


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2514.4393	47.03	-0.63	46.40	74.00	-27.60	peak
2	4873.3592	47.90	4.86	52.76	74.00	-21.24	peak
3	7425.5532	39.07	9.08	48.15	74.00	-25.85	peak
4	11082.2603	37.53	12.77	50.30	74.00	-23.70	peak
5	14302.0378	37.89	15.04	52.93	74.00	-21.07	peak
6	17024.8781	36.67	19.38	56.05	74.00	-17.95	peak
		27.94	19.38	47.32	54.00	-6.68	average
7	17624.9531	37.25	18.79	56.04	74.00	-17.96	peak
		29.72	18.79	48.51	54.00	-5.49	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS

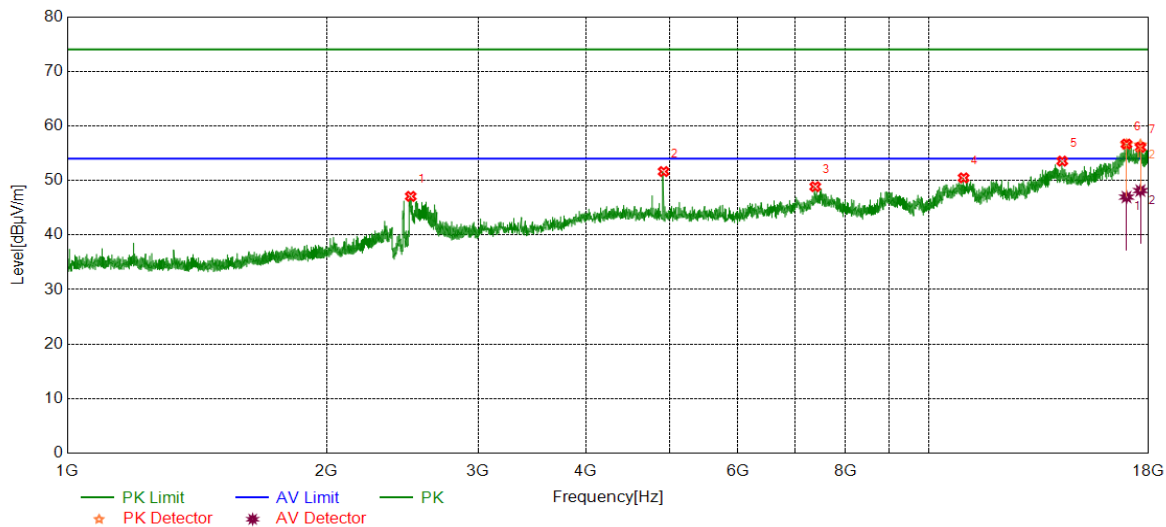


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2506.4383	47.97	-0.56	47.41	74.00	-26.59	peak
2	4923.9905	46.29	5.08	51.37	74.00	-22.63	peak
3	7386.1733	40.04	8.78	48.82	74.00	-25.18	peak
4	10875.9845	38.17	12.23	50.40	74.00	-23.60	peak
5	13938.2423	37.83	14.83	52.66	74.00	-21.34	peak
6	16891.7365	38.59	18.32	56.91	74.00	-17.09	peak
		27.28	18.32	45.60	54.00	-8.40	average
7	17613.7017	38.14	18.71	56.85	74.00	-17.15	peak
		28.31	18.71	47.02	54.00	-6.98	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS

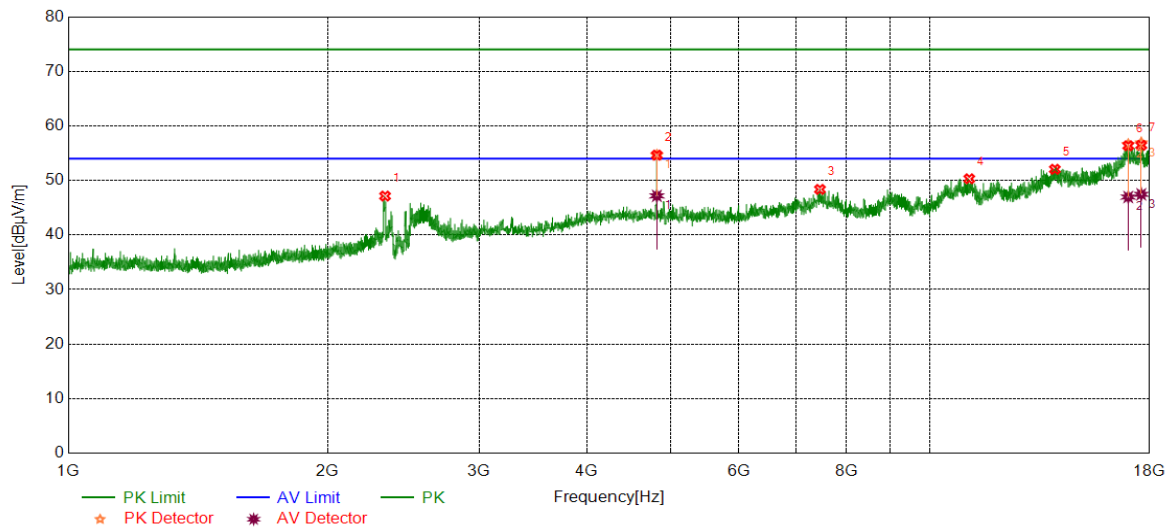


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2504.6881	47.65	-0.57	47.08	74.00	-26.92	peak
2	4923.9905	46.55	5.08	51.63	74.00	-22.37	peak
3	7384.2980	40.09	8.77	48.86	74.00	-25.14	peak
4	10977.2472	37.95	12.52	50.47	74.00	-23.53	peak
5	14288.9111	38.25	15.29	53.54	74.00	-20.46	peak
6	16966.7458	36.74	19.85	56.59	74.00	-17.41	peak
		27.10	19.85	46.95	54.00	-7.05	average
7	17609.9512	37.79	18.72	56.51	74.00	-17.49	peak
		29.42	18.72	48.14	54.00	-5.86	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS

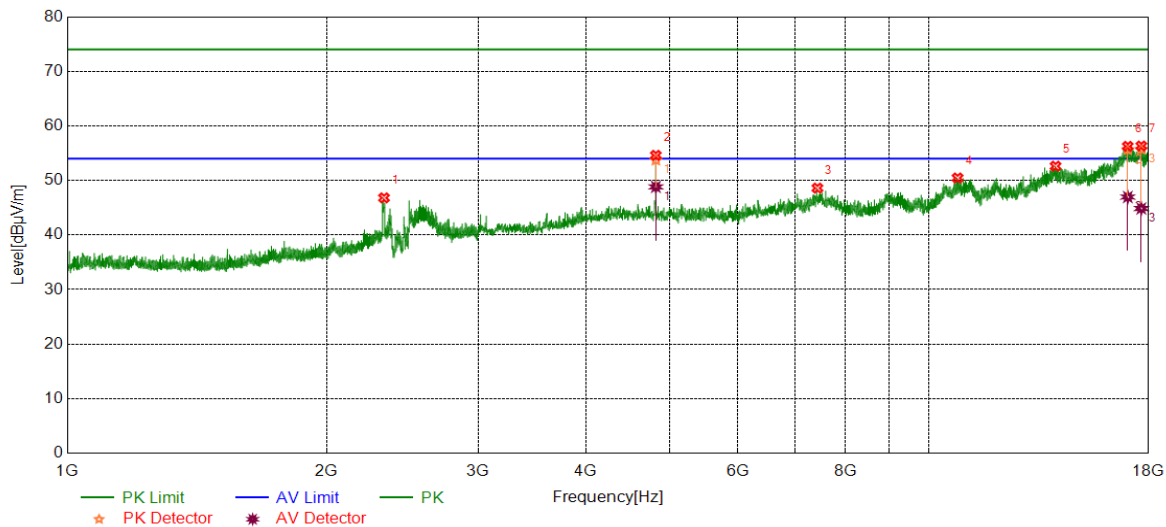


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2332.4166	48.96	-1.82	47.14	74.00	-26.86	peak
2	4822.7278	49.73	4.90	54.63	74.00	-19.37	peak
		42.28	4.90	47.18	54.00	-6.82	average
3	7457.4322	39.08	9.28	48.36	74.00	-25.64	peak
4	11116.0145	37.77	12.54	50.31	74.00	-23.69	peak
5	13971.9965	37.01	15.04	52.05	74.00	-21.95	peak
6	16998.6248	37.69	18.91	56.60	74.00	-17.40	peak
		28.05	18.91	46.96	54.00	-7.04	average
7	17602.4503	38.18	18.71	56.89	74.00	-17.11	peak
		28.75	18.71	47.46	54.00	-6.54	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS

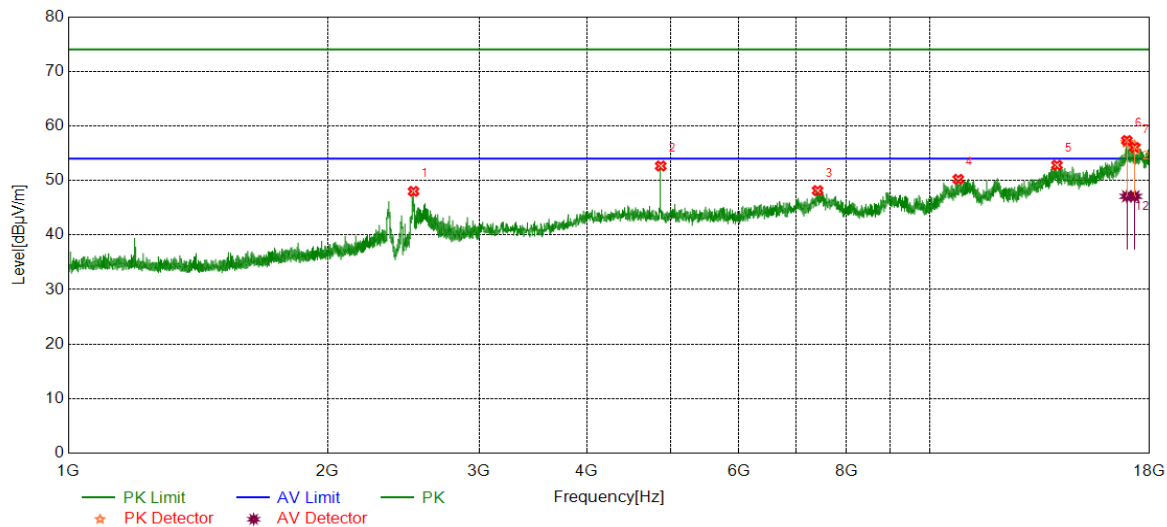


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2331.9165	48.63	-1.82	46.81	74.00	-27.19	peak
2	4822.7278	50.82	4.90	55.72	74.00	-18.28	peak
		43.92	4.90	48.82	54.00	-5.18	average
3	7427.4284	39.51	9.09	48.60	74.00	-25.40	peak
4	10802.8504	38.38	12.08	50.46	74.00	-23.54	peak
5	14035.7545	37.11	15.51	52.62	74.00	-21.38	peak
6	17024.8781	37.26	19.38	56.64	74.00	-17.36	peak
		27.58	19.38	46.96	54.00	-7.04	average
7	17653.0816	36.99	18.72	55.71	74.00	-18.29	peak
		26.14	18.72	44.86	54.00	-9.14	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	MCH	Horizontal	PASS

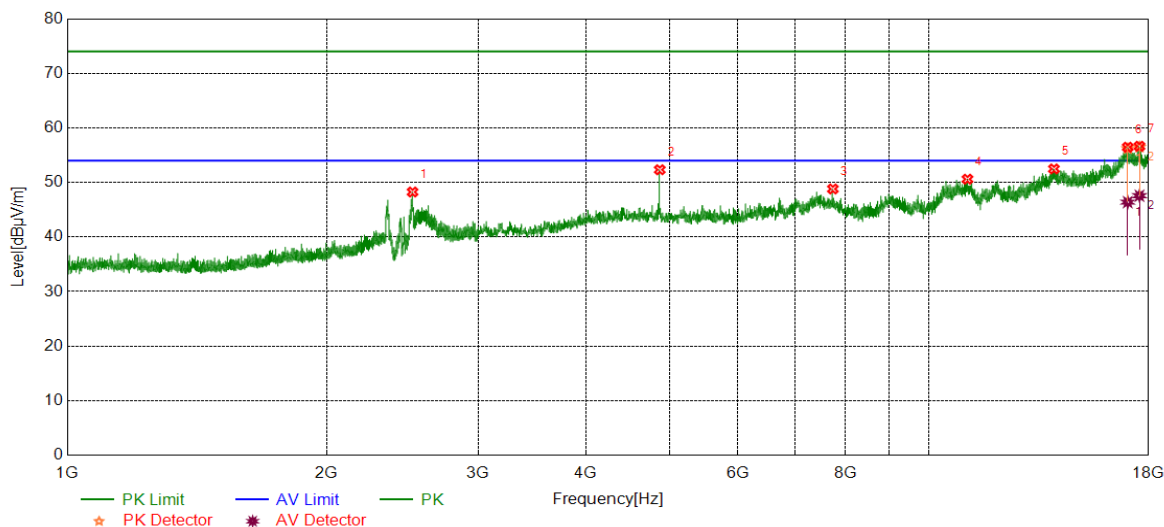


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2516.6896	48.68	-0.68	48.00	74.00	-26.00	peak
2	4873.3592	47.79	4.86	52.65	74.00	-21.35	peak
3	7410.5513	38.94	9.20	48.14	74.00	-25.86	peak
4	10793.4742	38.22	11.99	50.21	74.00	-23.79	peak
5	14050.7563	37.14	15.66	52.80	74.00	-21.20	peak
6	16938.6173	37.66	19.34	57.00	74.00	-17.00	peak
		27.75	19.34	47.09	54.00	-6.91	average
7	17298.6623	37.84	18.49	56.33	74.00	-17.67	peak
		28.59	18.49	47.08	54.00	-6.92	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	MCH	Vertical	PASS

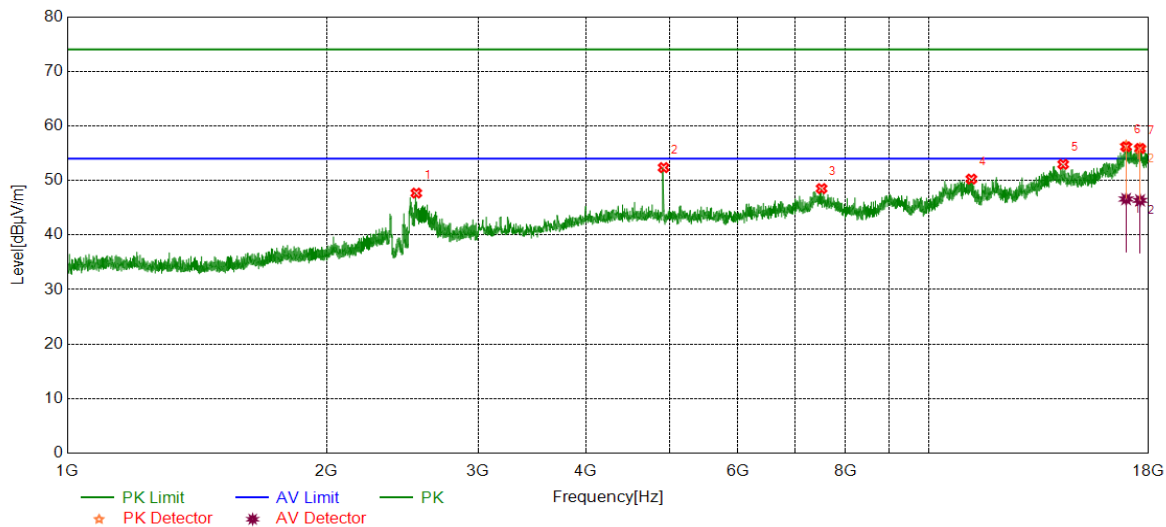


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2517.1896	48.95	-0.70	48.25	74.00	-25.75	peak
2	4873.3592	47.47	4.86	52.33	74.00	-21.67	peak
3	7740.5926	40.20	8.61	48.81	74.00	-25.19	peak
4	11091.6365	37.76	12.84	50.60	74.00	-23.40	peak
5	13975.7470	37.39	15.09	52.48	74.00	-21.52	peak
6	17021.1276	36.91	19.29	56.20	74.00	-17.80	peak
		27.10	19.29	46.39	54.00	-7.61	average
7	17564.9456	37.47	19.01	56.48	74.00	-17.52	peak
		28.56	19.01	47.57	54.00	-6.43	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS

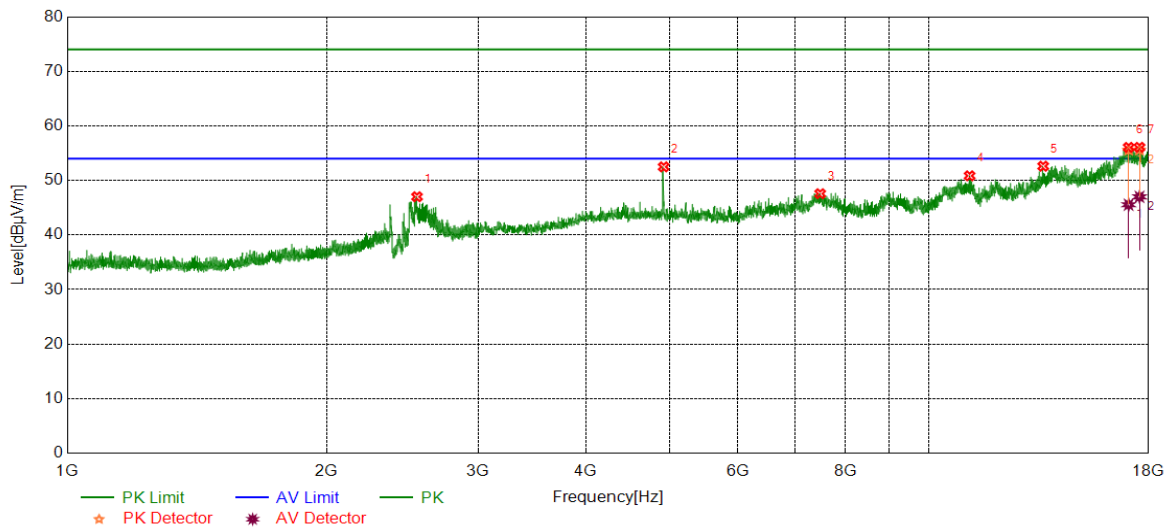


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2542.4428	48.76	-1.08	47.68	74.00	-26.32	peak
2	4923.9905	47.27	5.08	52.35	74.00	-21.65	peak
3	7509.9387	39.38	9.13	48.51	74.00	-25.49	peak
4	11207.9010	37.93	12.32	50.25	74.00	-23.75	peak
5	14324.5406	37.85	15.10	52.95	74.00	-21.05	peak
6	16949.8687	37.51	19.23	56.74	74.00	-17.26	peak
		27.36	19.23	46.59	54.00	-7.41	average
7	17593.0741	37.88	18.76	56.64	74.00	-17.36	peak
		27.59	18.76	46.35	54.00	-7.65	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS

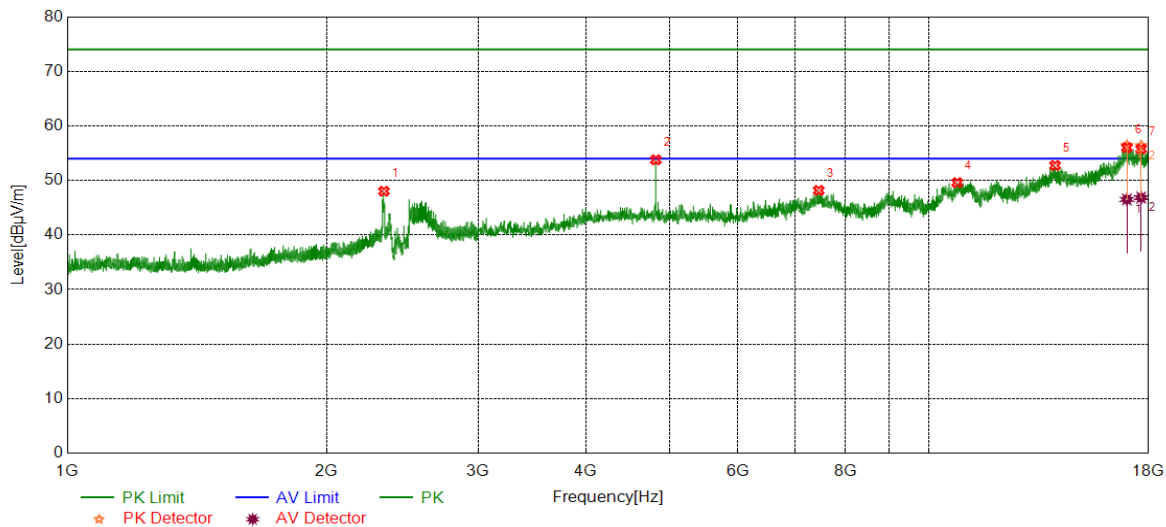


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2547.1934	48.07	-1.06	47.01	74.00	-26.99	peak
2	4923.9905	47.41	5.08	52.49	74.00	-21.51	peak
3	7481.8102	38.58	8.99	47.57	74.00	-26.43	peak
4	11155.3944	38.42	12.43	50.85	74.00	-23.15	peak
5	13578.1973	38.82	13.79	52.61	74.00	-21.39	peak
6	17062.3828	35.67	19.89	55.56	74.00	-18.44	peak
		25.66	19.89	45.55	54.00	-8.45	average
7	17566.8209	36.53	19.06	55.59	74.00	-18.41	peak
		27.94	19.06	47.00	54.00	-7.00	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS

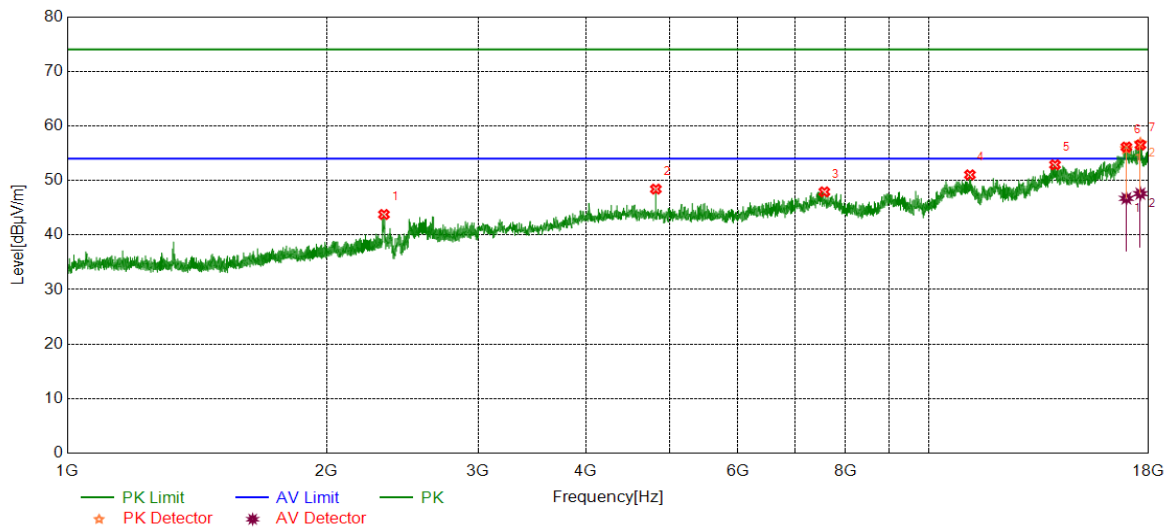


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2331.4164	49.84	-1.82	48.02	74.00	-25.98	peak
2	4822.7278	48.88	4.90	53.78	74.00	-20.22	peak
3	7453.6817	39.00	9.17	48.17	74.00	-25.83	peak
4	10793.4742	37.60	11.99	49.59	74.00	-24.41	peak
5	14018.8774	37.50	15.24	52.74	74.00	-21.26	peak
6	16985.4982	37.21	19.20	56.41	74.00	-17.59	peak
		27.32	19.20	46.52	54.00	-7.48	average
7	17643.7055	37.71	18.66	56.37	74.00	-17.63	peak
		28.19	18.66	46.85	54.00	-7.15	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS

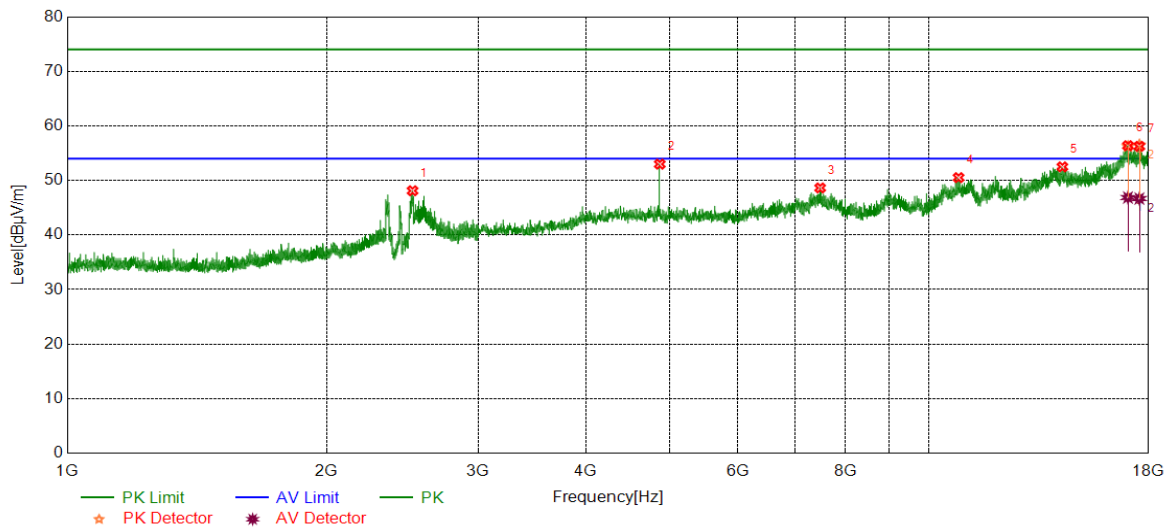


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2331.6665	45.58	-1.82	43.76	74.00	-30.24	peak
2	4822.7278	43.51	4.90	48.41	74.00	-25.59	peak
3	7566.1958	38.87	9.04	47.91	74.00	-26.09	peak
4	11164.7706	38.62	12.41	51.03	74.00	-22.97	peak
5	14015.1269	37.63	15.24	52.87	74.00	-21.13	peak
6	16961.1201	36.06	19.77	55.83	74.00	-18.17	peak
		26.94	19.77	46.71	54.00	-7.29	average
7	17608.0760	39.00	18.72	57.72	74.00	-16.28	peak
		28.86	18.72	47.58	54.00	-6.42	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Horizontal	PASS

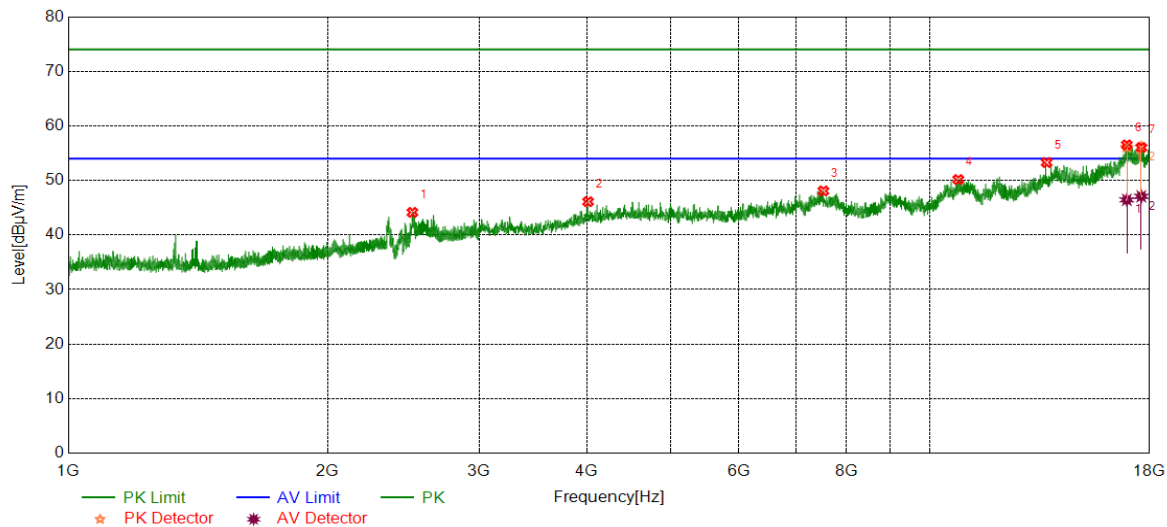


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2516.9396	48.80	-0.69	48.11	74.00	-25.89	peak
2	4873.3592	48.13	4.86	52.99	74.00	-21.01	peak
3	7481.8102	39.64	8.99	48.63	74.00	-25.37	peak
4	10830.9789	38.46	12.06	50.52	74.00	-23.48	peak
5	14294.5368	37.31	15.18	52.49	74.00	-21.51	peak
6	17032.3790	36.74	19.50	56.24	74.00	-17.76	peak
		27.37	19.50	46.87	54.00	-7.13	average
7	17561.1951	37.62	18.89	56.51	74.00	-17.49	peak
		27.79	18.89	46.68	54.00	-7.32	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Vertical	PASS

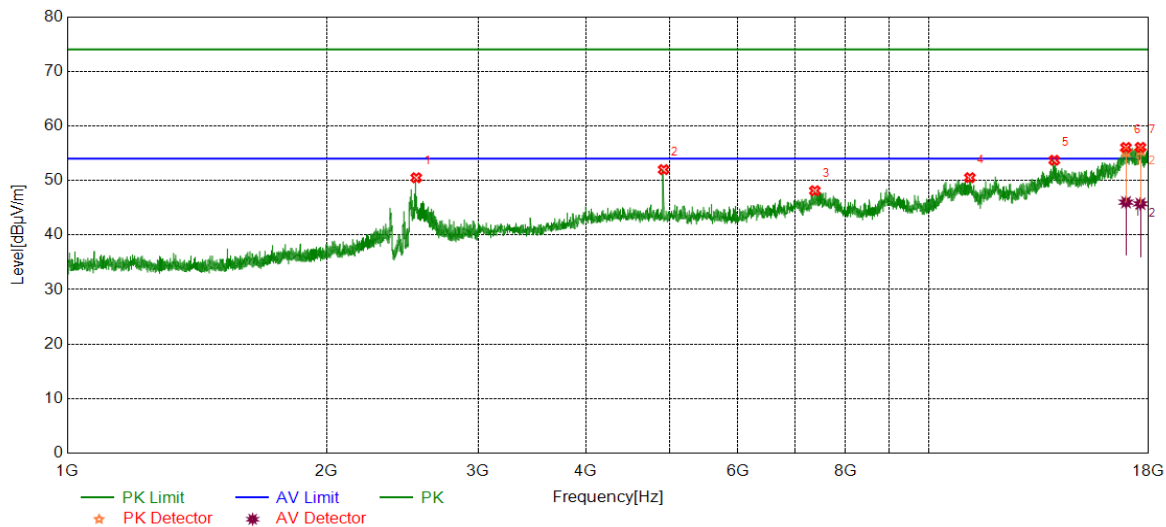


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2509.1886	44.67	-0.53	44.14	74.00	-29.86	peak
2	4012.6266	41.95	4.15	46.10	74.00	-27.90	peak
3	7526.8159	38.80	9.28	48.08	74.00	-25.92	peak
4	10793.4742	38.17	11.99	50.16	74.00	-23.84	peak
5	13670.0838	39.20	14.09	53.29	74.00	-20.71	peak
6	16934.8669	36.93	19.17	56.10	74.00	-17.90	peak
		27.27	19.17	46.44	54.00	-7.56	average
7	17604.3255	37.42	18.72	56.14	74.00	-17.86	peak
		28.37	18.72	47.09	54.00	-6.91	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS

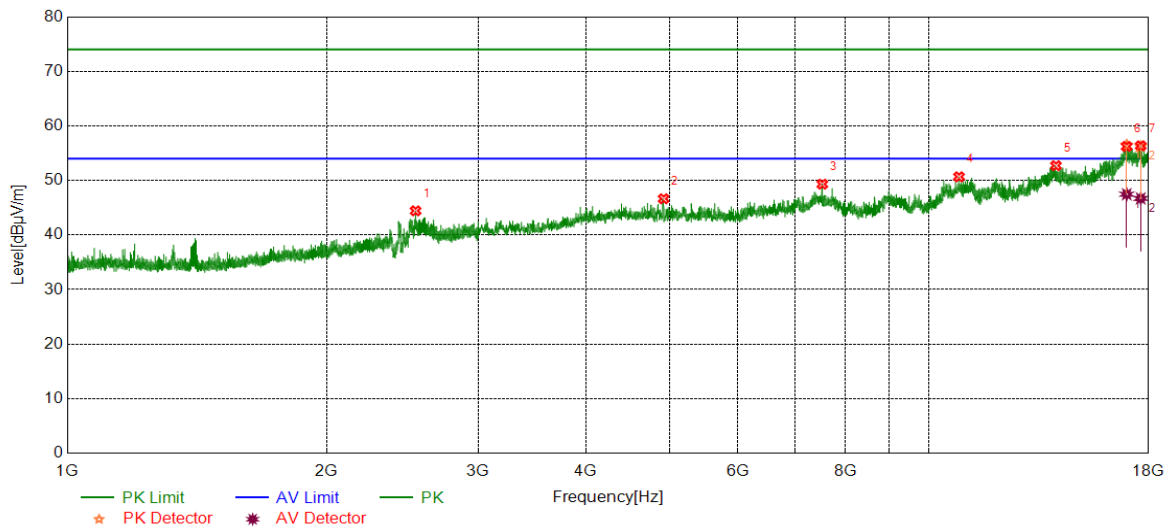


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2542.1928	51.58	-1.09	50.49	74.00	-23.51	peak
2	4923.9905	46.91	5.08	51.99	74.00	-22.01	peak
3	7376.7971	39.36	8.75	48.11	74.00	-25.89	peak
4	11162.8954	38.10	12.41	50.51	74.00	-23.49	peak
5	13986.9984	38.57	15.13	53.70	74.00	-20.30	peak
6	16944.2430	35.84	19.33	55.17	74.00	-18.83	peak
		26.68	19.33	46.01	54.00	-7.99	average
7	17613.7017	36.69	18.71	55.40	74.00	-18.60	peak
		27.01	18.71	45.72	54.00	-8.28	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS

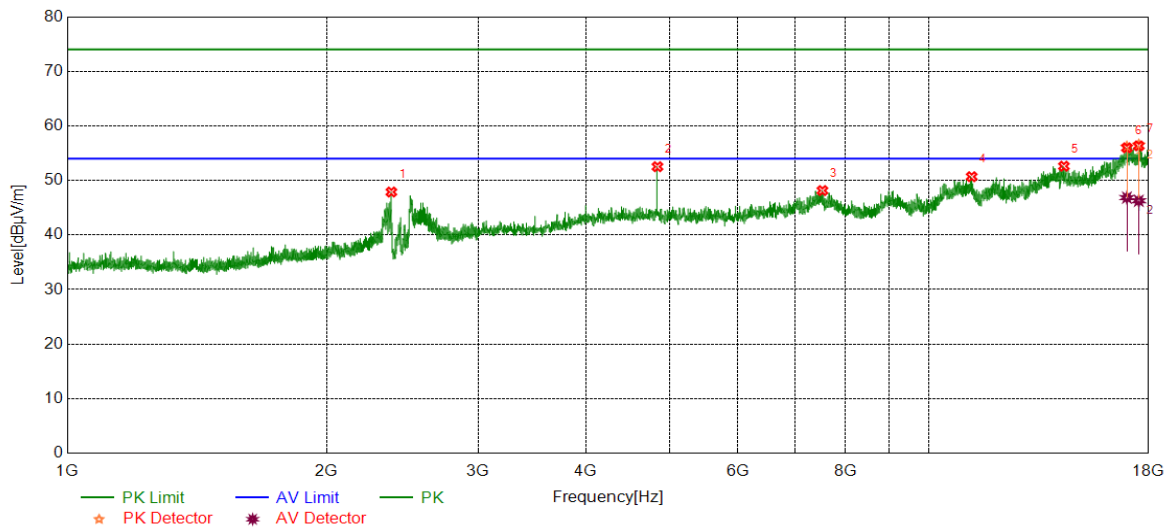


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2537.4422	45.50	-1.07	44.43	74.00	-29.57	peak
2	4923.9905	41.56	5.08	46.64	74.00	-27.36	peak
3	7524.9406	40.08	9.24	49.32	74.00	-24.68	peak
4	10844.1055	38.53	12.14	50.67	74.00	-23.33	peak
5	14052.6316	37.04	15.67	52.71	74.00	-21.29	peak
6	16974.2468	36.77	19.73	56.50	74.00	-17.50	peak
		27.74	19.73	47.47	54.00	-6.53	average
7	17624.9531	37.45	18.79	56.24	74.00	-17.76	peak
		27.92	18.79	46.71	54.00	-7.29	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Horizontal	PASS

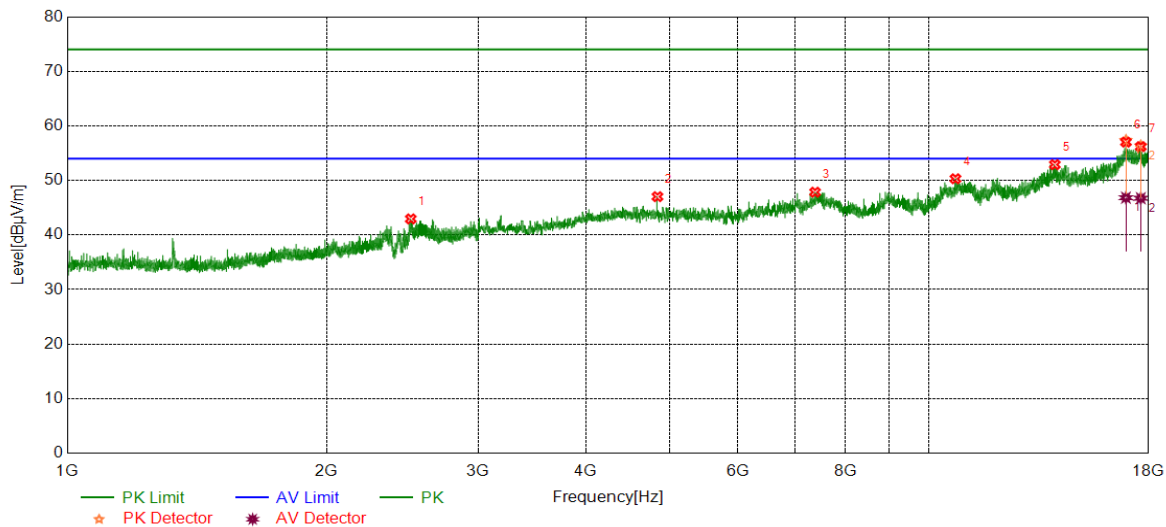


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2378.4223	49.39	-1.51	47.88	74.00	-26.12	peak
2	4843.3554	47.55	4.97	52.52	74.00	-21.48	peak
3	7526.8159	38.86	9.28	48.14	74.00	-25.86	peak
4	11217.2772	38.41	12.28	50.69	74.00	-23.31	peak
5	14352.6691	37.83	14.78	52.61	74.00	-21.39	peak
6	16983.6230	36.84	19.30	56.14	74.00	-17.86	peak
		27.55	19.30	46.85	54.00	-7.15	average
7	17533.0666	38.27	18.24	56.51	74.00	-17.49	peak
		28.04	18.24	46.28	54.00	-7.72	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Vertical	PASS

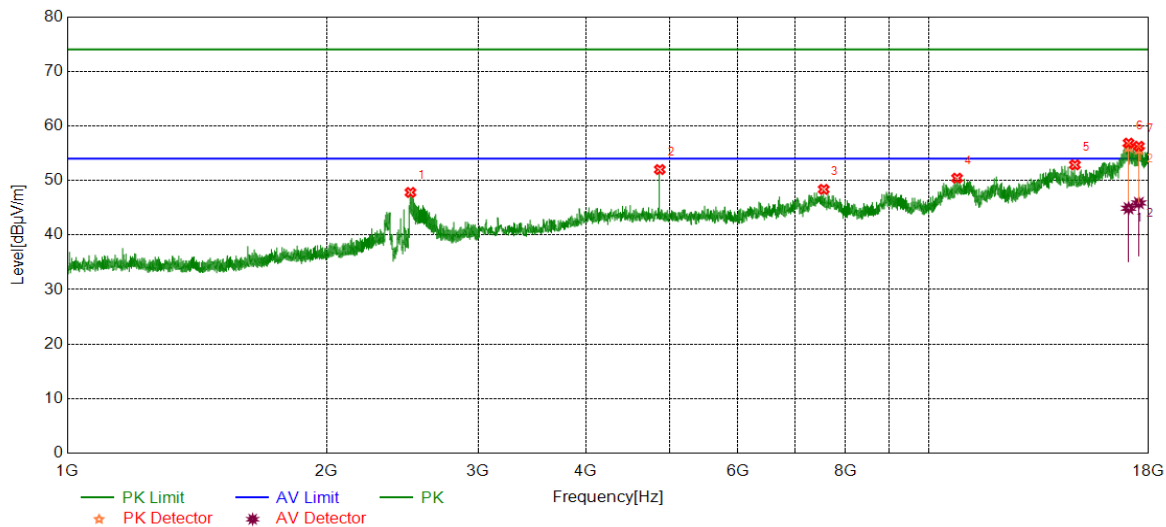


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2505.1881	43.52	-0.57	42.95	74.00	-31.05	peak
2	4843.3554	42.06	4.97	47.03	74.00	-26.97	peak
3	7380.5476	39.08	8.77	47.85	74.00	-26.15	peak
4	10740.9676	38.04	12.27	50.31	74.00	-23.69	peak
5	14007.6260	37.70	15.20	52.90	74.00	-21.10	peak
6	16940.4926	37.97	19.40	57.37	74.00	-16.63	peak
		27.44	19.40	46.84	54.00	-7.16	average
7	17626.8284	37.53	18.82	56.35	74.00	-17.65	peak
		27.92	18.82	46.74	54.00	-7.26	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT40	MCH	Horizontal	PASS

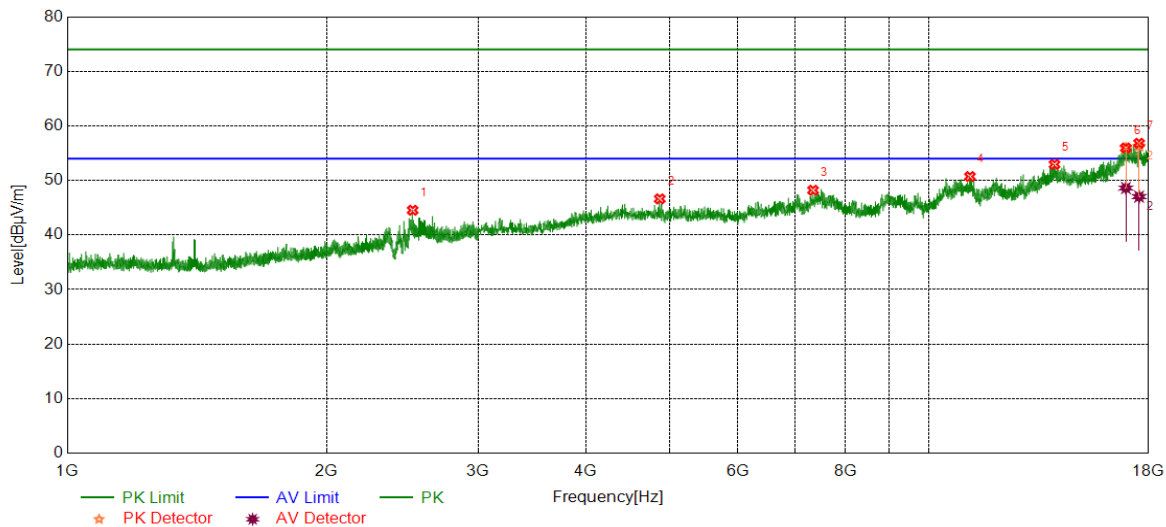


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2502.9379	48.39	-0.59	47.80	74.00	-26.20	peak
2	4873.3592	47.14	4.86	52.00	74.00	-22.00	peak
3	7553.0691	39.14	9.23	48.37	74.00	-25.63	peak
4	10787.8485	38.47	11.95	50.42	74.00	-23.58	peak
5	14780.2225	37.81	15.05	52.86	74.00	-21.14	peak
6	17060.5076	36.07	19.99	56.06	74.00	-17.94	peak
		24.91	19.99	44.90	54.00	-9.10	average
7	17536.8171	37.43	18.26	55.69	74.00	-18.31	peak
		27.61	18.26	45.87	54.00	-8.13	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT40	MCH	Vertical	PASS

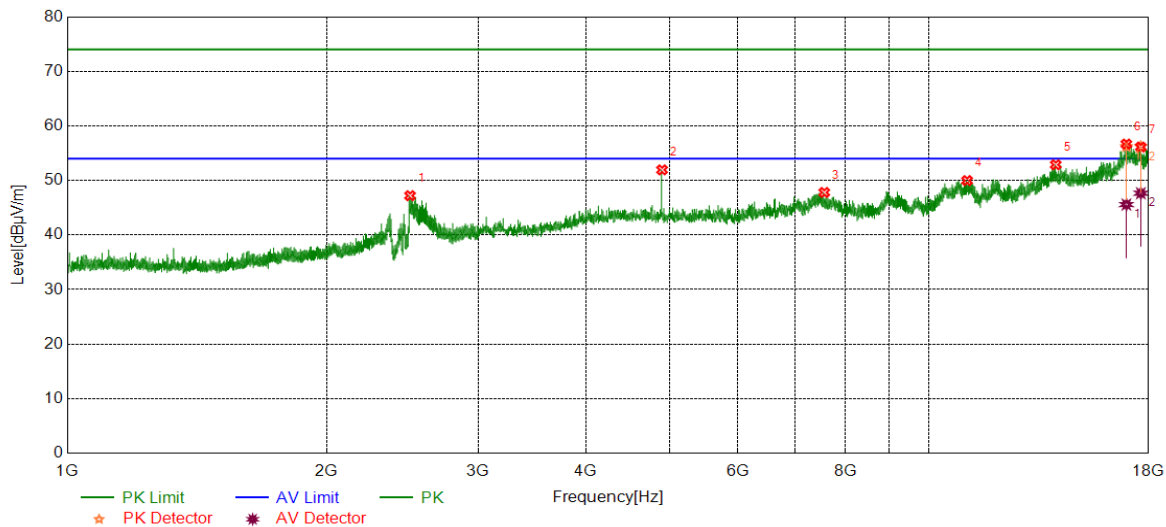


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2517.9397	45.25	-0.71	44.54	74.00	-29.46	peak
2	4873.3592	41.76	4.86	46.62	74.00	-27.38	peak
3	7341.1676	39.57	8.64	48.21	74.00	-25.79	peak
4	11166.6458	38.31	12.41	50.72	74.00	-23.28	peak
5	13998.2498	37.83	15.11	52.94	74.00	-21.06	peak
6	16938.6173	36.59	19.34	55.93	74.00	-18.07	peak
		29.27	19.34	48.61	54.00	-5.39	average
7	17548.0685	37.98	18.33	56.31	74.00	-17.69	peak
		28.70	18.33	47.03	54.00	-6.97	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT40	HCH	Horizontal	PASS

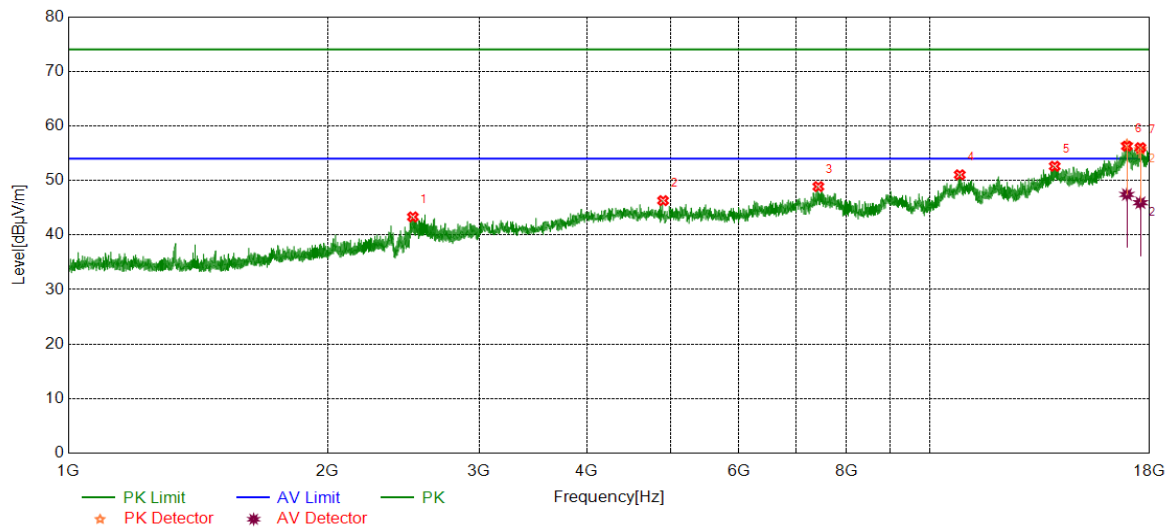


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2500.1875	47.82	-0.61	47.21	74.00	-26.79	peak
2	4903.3629	47.13	4.81	51.94	74.00	-22.06	peak
3	7564.3205	38.66	9.14	47.80	74.00	-26.20	peak
4	11080.3850	37.23	12.75	49.98	74.00	-24.02	peak
5	14043.2554	37.31	15.57	52.88	74.00	-21.12	peak
6	16961.1201	36.45	19.77	56.22	74.00	-17.78	peak
		25.81	19.77	45.58	54.00	-8.42	average
7	17628.7036	37.34	18.85	56.19	74.00	-17.81	peak
		28.81	18.85	47.66	54.00	-6.34	average

- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. 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. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



Test Mode	Channel	Polarization	Verdict
11N HT40	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2512.1890	43.89	-0.58	43.31	74.00	-30.69	peak
2	4903.3629	41.49	4.81	46.30	74.00	-27.70	peak
3	7425.5532	39.79	9.08	48.87	74.00	-25.13	peak
4	10836.6046	38.92	12.12	51.04	74.00	-22.96	peak
5	13966.3708	37.59	15.01	52.60	74.00	-21.40	peak
6	16938.6173	37.18	19.34	56.52	74.00	-17.48	peak
		28.08	19.34	47.42	54.00	-6.58	average
7	17563.0704	36.72	18.95	55.67	74.00	-18.33	peak
		26.97	18.95	45.92	54.00	-8.08	average

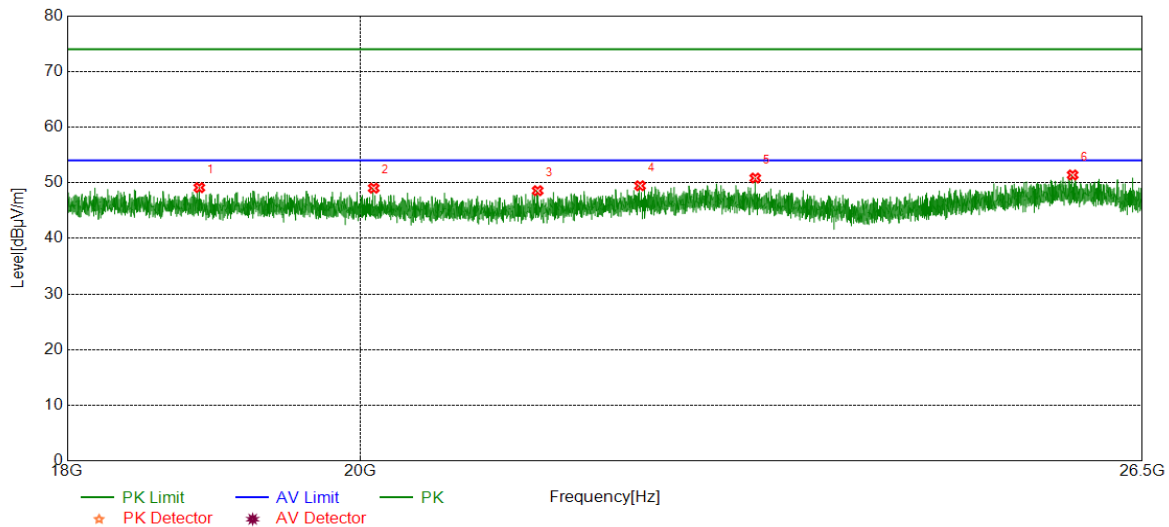
- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. For below 3GHz part, filter losses were only considered in the spurious frequency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



Part II: 18GHz~26.5GHz

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

Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS

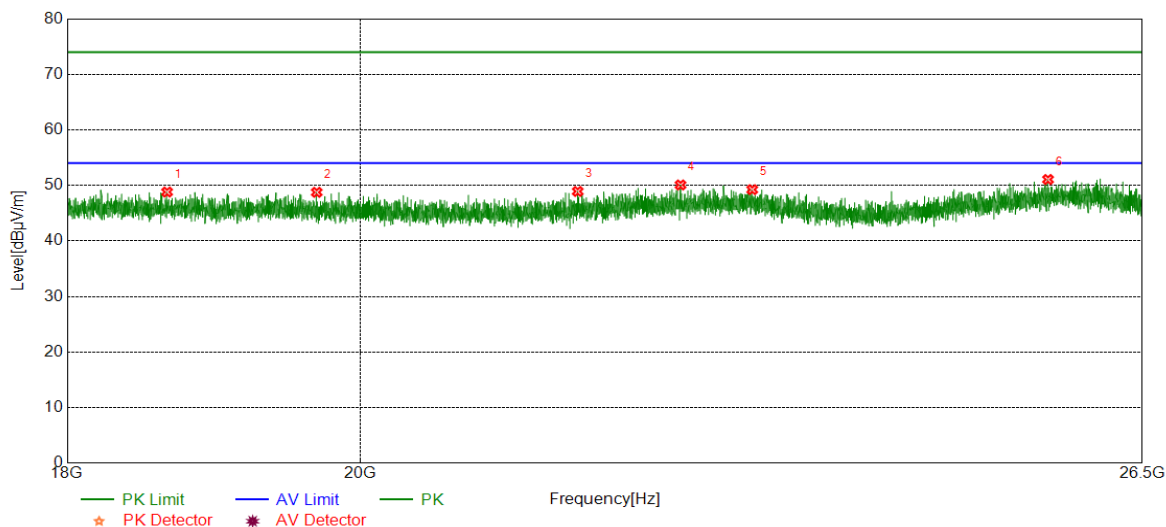


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	18876.4376	50.21	-1.09	49.12	74.00	-24.88	peak
2	20098.8599	49.57	-0.54	49.03	74.00	-24.97	peak
3	21320.4320	49.25	-0.68	48.57	74.00	-25.43	peak
4	22120.3620	49.14	0.32	49.46	74.00	-24.54	peak
5	23057.1557	49.77	1.07	50.84	74.00	-23.16	peak
6	25846.2846	49.98	1.42	51.40	74.00	-22.60	peak

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



Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	18658.8159	49.80	-0.99	48.81	74.00	-25.19	peak
2	19690.8191	49.43	-0.67	48.76	74.00	-25.24	peak
3	21629.8630	49.25	-0.33	48.92	74.00	-25.08	peak
4	22445.0945	49.35	0.73	50.08	74.00	-23.92	peak
5	23031.6532	48.10	1.14	49.24	74.00	-24.76	peak
6	25618.4618	50.02	1.05	51.07	74.00	-22.93	peak

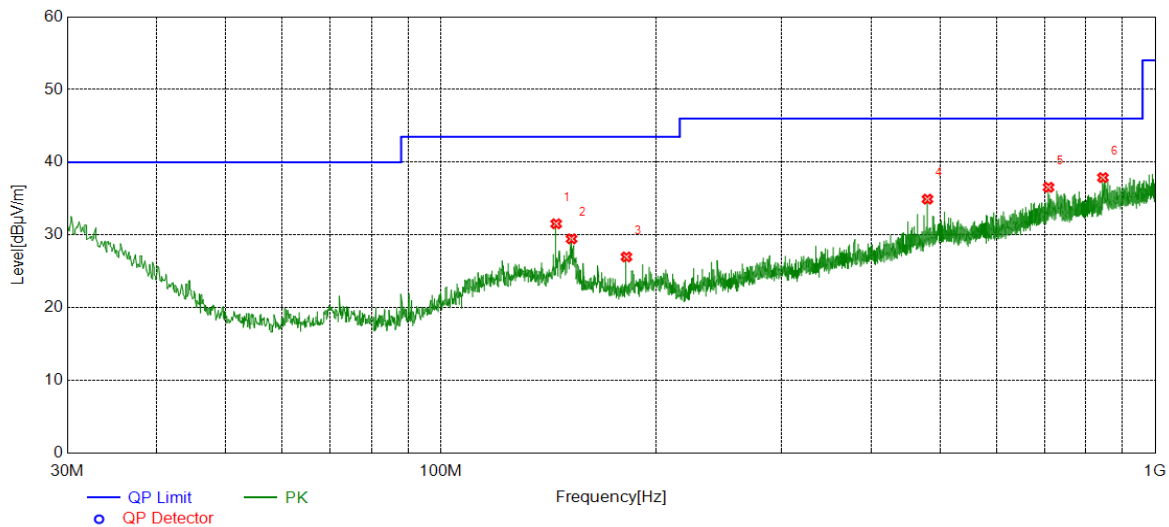
- Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. Measurement = Reading Level + Correct Factor.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed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



Part III: 30MHz~1GHz

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

Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS

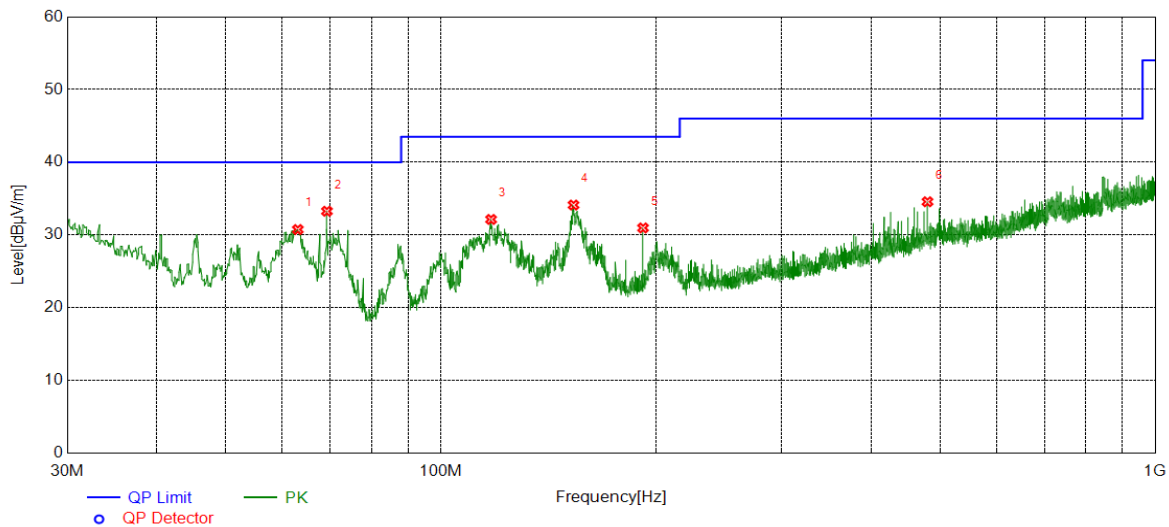


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	145.0535	11.61	19.93	31.54	43.50	-11.96	peak
2	152.4262	9.99	19.48	29.47	43.50	-14.03	peak
3	181.9172	8.71	18.27	26.98	43.50	-16.52	peak
4	480.0280	9.55	25.38	34.93	46.00	-11.07	peak
5	709.0679	7.98	28.58	36.56	46.00	-9.44	peak
6	844.8815	7.72	30.17	37.89	46.00	-8.11	peak

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



Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	63.0803	16.32	14.43	30.75	40.00	-9.25	peak
2	69.2889	18.38	14.89	33.27	40.00	-6.73	peak
3	117.5998	11.98	20.16	32.14	43.50	-11.36	peak
4	153.3963	14.70	19.42	34.12	43.50	-9.38	peak
5	191.9092	12.03	18.94	30.97	43.50	-12.53	peak
6	480.0280	9.19	25.38	34.57	46.00	-11.43	peak

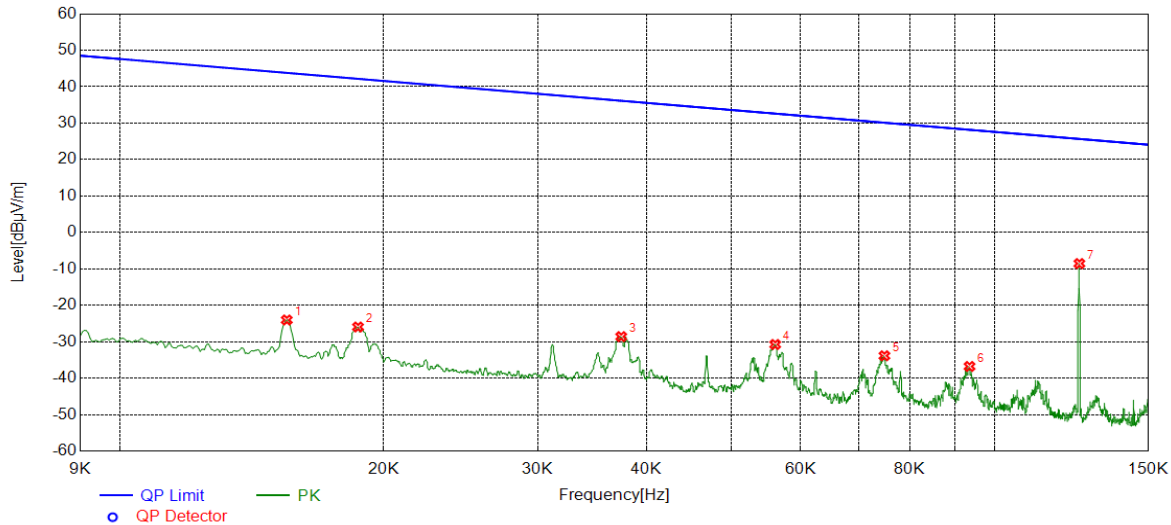
Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.
3. Measurement = Reading Level + Correct Factor.



Part IV: 9KHz~30MHz

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

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

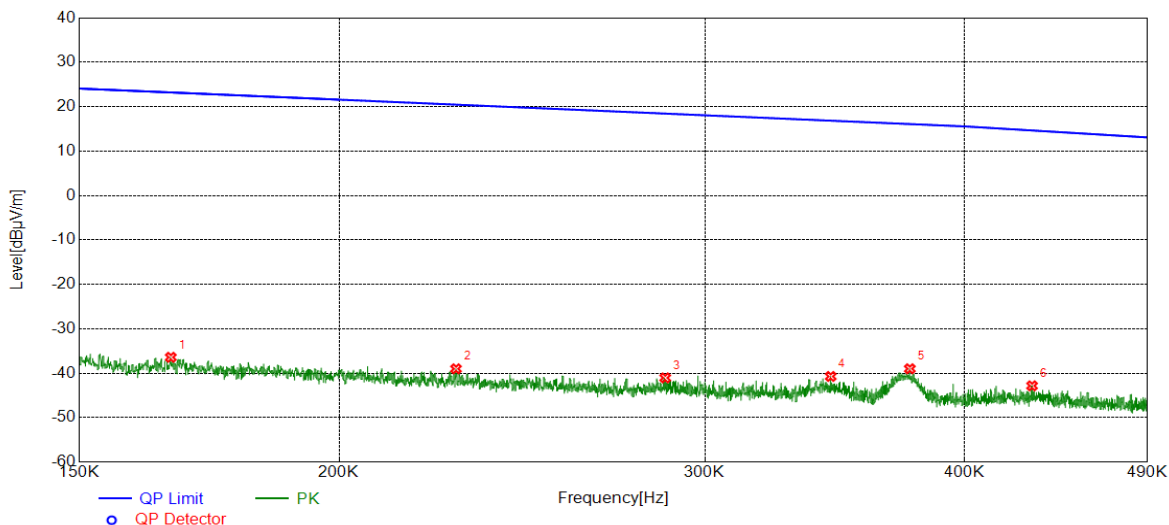


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0155	36.84	-60.87	-24.03	43.77	-67.80	peak
2	0.0187	34.83	-60.78	-25.95	42.17	-68.12	peak
3	0.0374	32.25	-60.85	-28.60	36.14	-64.74	peak
4	0.0561	30.29	-61.04	-30.75	32.62	-63.37	peak
5	0.0748	27.48	-61.33	-33.85	30.12	-63.97	peak
6	0.0936	24.04	-60.82	-36.78	28.18	-64.96	peak
7	0.1250	52.40	-60.94	-8.54	25.67	-34.21	peak

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



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

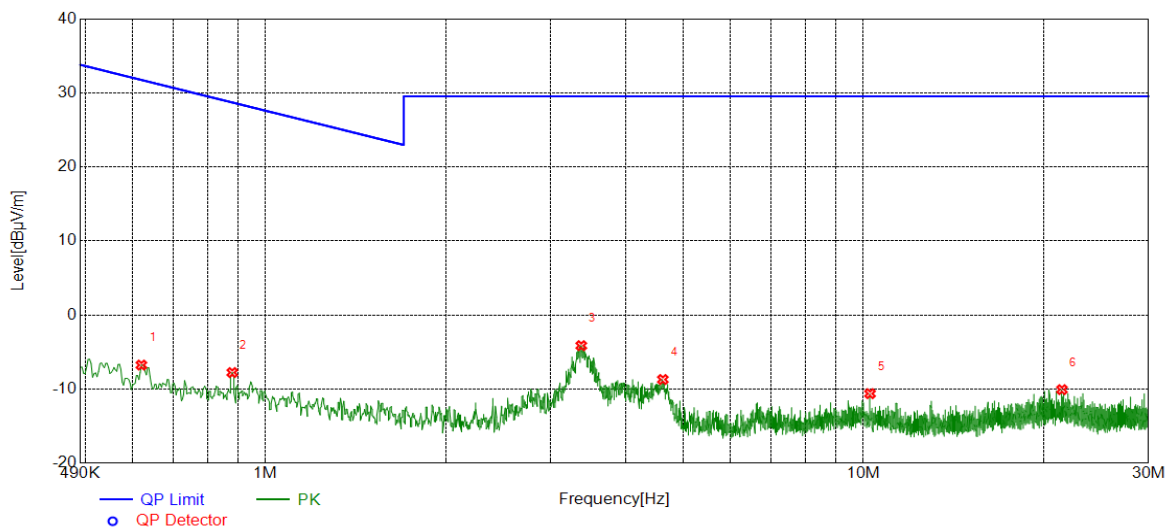


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1660	24.74	-61.15	-36.41	23.21	-59.62	peak
2	0.2277	21.84	-60.84	-39.00	20.45	-59.45	peak
3	0.2871	19.66	-60.70	-41.04	18.44	-59.48	peak
4	0.3449	19.93	-60.65	-40.72	16.85	-57.57	peak
5	0.3765	21.63	-60.62	-38.99	16.09	-55.08	peak
6	0.4311	17.75	-60.58	-42.83	14.64	-57.47	peak

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



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



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.6199	13.80	-20.56	-6.76	31.76	-38.52	peak
2	0.8796	12.68	-20.45	-7.77	28.72	-36.49	peak
3	3.3734	16.12	-20.26	-4.14	29.54	-33.68	peak
4	4.6189	11.39	-20.10	-8.71	29.54	-38.25	peak
5	10.2588	8.19	-18.81	-10.62	29.54	-40.16	peak
6	21.4855	7.35	-17.43	-10.08	29.54	-39.62	peak

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

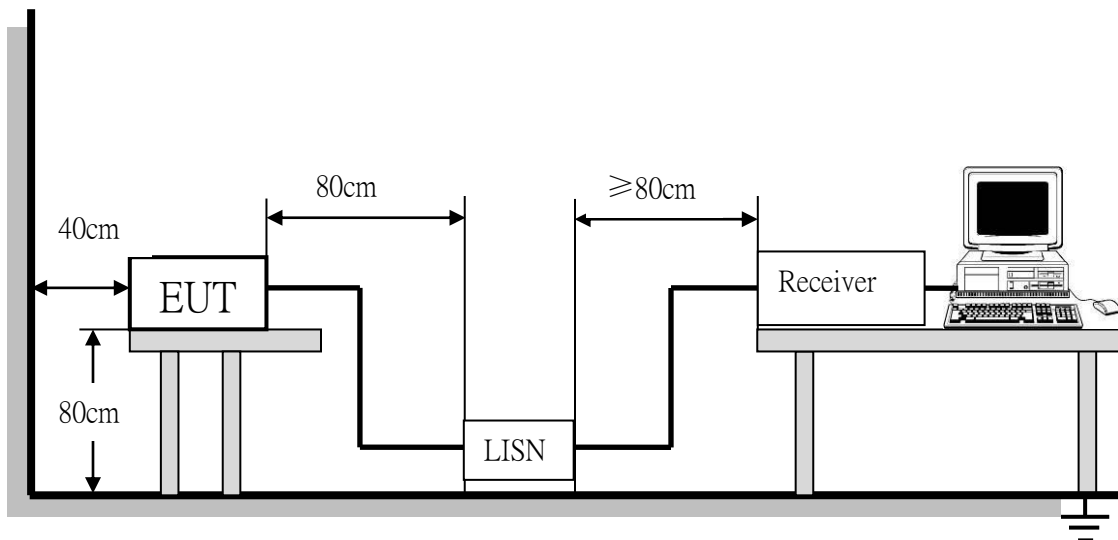
8. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a)

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

TEST SETUP AND PROCEDURE

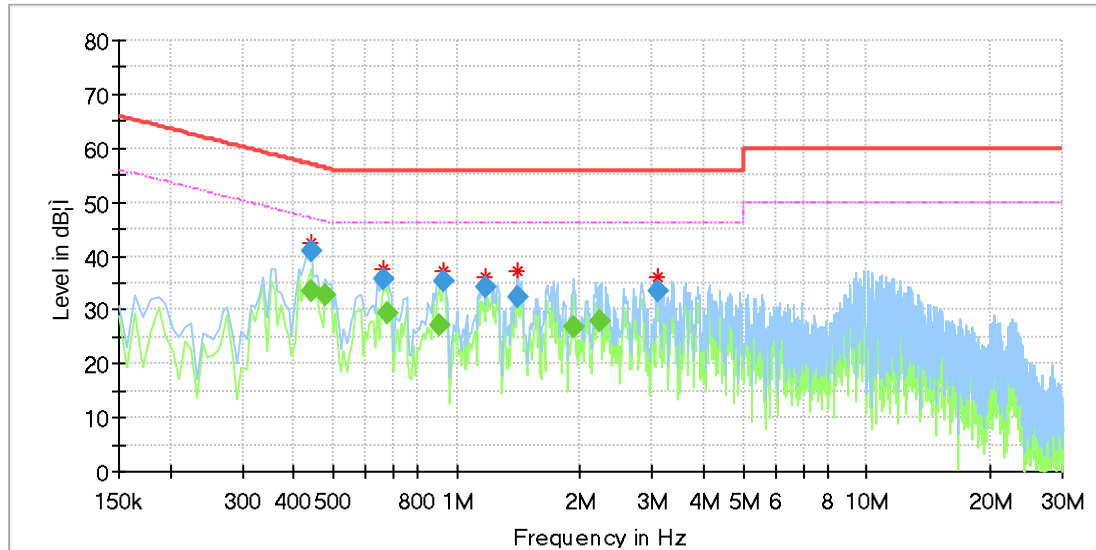


The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3)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

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

TEST RESULTS (WORST CASE CONFIGURATION)

For L Line:

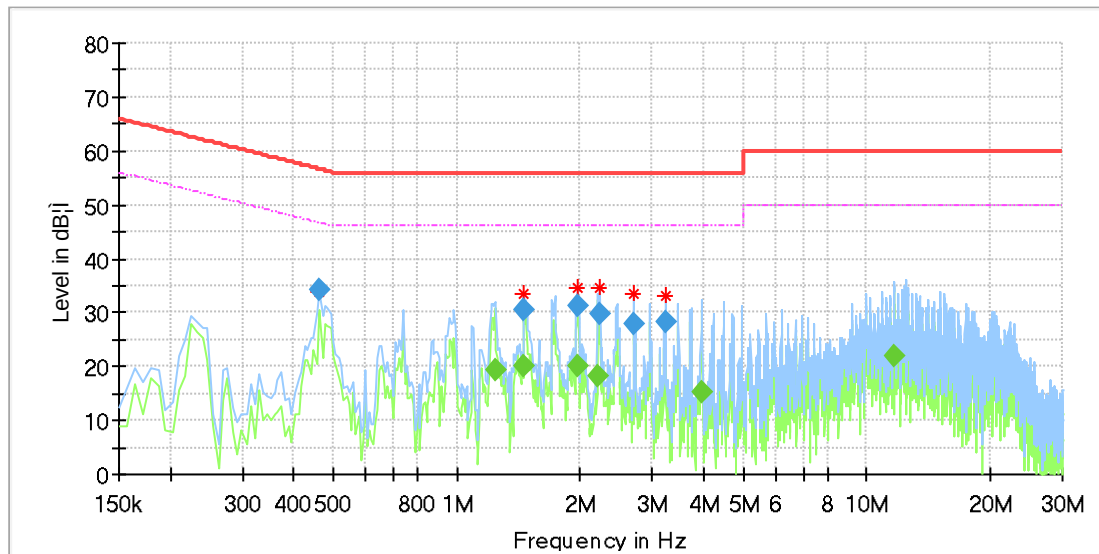


Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.441038	---	33.39	47.04	13.65	1000.0	9.000	L1	OFF	9.7
0.441038	40.90	---	57.04	16.14	1000.0	9.000	L1	OFF	9.7
0.478350	---	32.87	46.37	13.50	1000.0	9.000	L1	OFF	9.7
0.664913	35.79	---	56.00	20.21	1000.0	9.000	L1	OFF	9.6
0.679838	---	29.36	46.00	16.64	1000.0	9.000	L1	OFF	9.6
0.903713	---	27.07	46.00	18.93	1000.0	9.000	L1	OFF	9.7
0.926100	35.40	---	56.00	20.60	1000.0	9.000	L1	OFF	9.7
1.179825	34.14	---	56.00	21.86	1000.0	9.000	L1	OFF	9.5
1.403700	32.48	---	56.00	23.52	1000.0	9.000	L1	OFF	9.5
1.926075	---	26.69	46.00	19.31	1000.0	9.000	L1	OFF	9.6
2.239500	---	27.92	46.00	18.08	1000.0	9.000	L1	OFF	9.7
3.082763	33.52	---	56.00	22.48	1000.0	9.000	L1	OFF	9.8

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.
4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
5. Pre-testing all test modes and channels, and find the HCH of 11N40 which is the worst case, so only the worst case is included in this test report.

For N Line:



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.463425	34.23	---	56.63	22.41	1000.0	9.000	N	OFF	9.6
1.239525	---	19.44	46.00	26.56	1000.0	9.000	N	OFF	9.7
1.455938	---	20.10	46.00	25.90	1000.0	9.000	N	OFF	9.6
1.455938	30.59	---	56.00	25.41	1000.0	9.000	N	OFF	9.6
1.978313	---	20.19	46.00	25.81	1000.0	9.000	N	OFF	9.7
1.978313	31.13	---	56.00	24.87	1000.0	9.000	N	OFF	9.7
2.202188	---	18.27	46.00	27.73	1000.0	9.000	N	OFF	9.6
2.239500	29.84	---	56.00	26.16	1000.0	9.000	N	OFF	9.6
2.702175	27.88	---	56.00	28.12	1000.0	9.000	N	OFF	9.6
3.232013	28.40	---	56.00	27.60	1000.0	9.000	N	OFF	9.7
3.970800	---	15.29	46.00	30.71	1000.0	9.000	N	OFF	9.6
11.687025	---	22.06	50.00	27.94	1000.0	9.000	N	OFF	9.7

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.
4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
5. Pre-testing all test modes and channels, and find the HCH of 11N40 which is the worst case, so only the worst case is included in this test report.



9. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

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

Please refer to FCC §15.247(b)(4)

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

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi

END OF REPORT