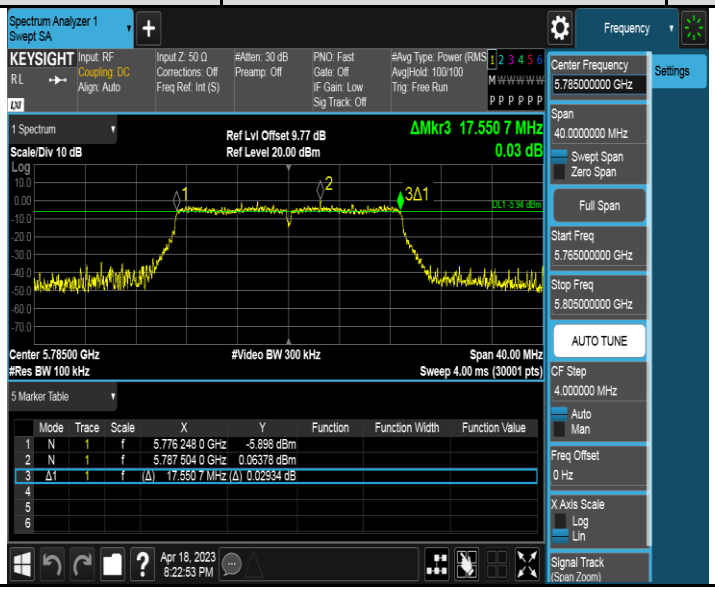
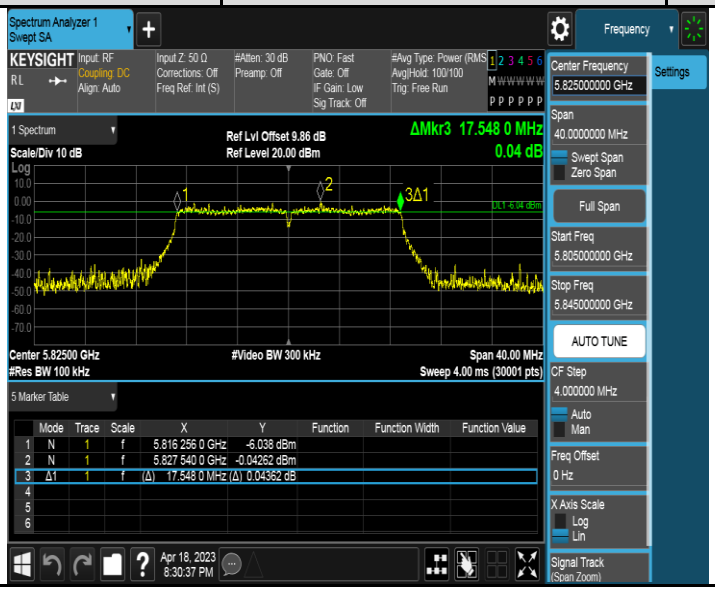
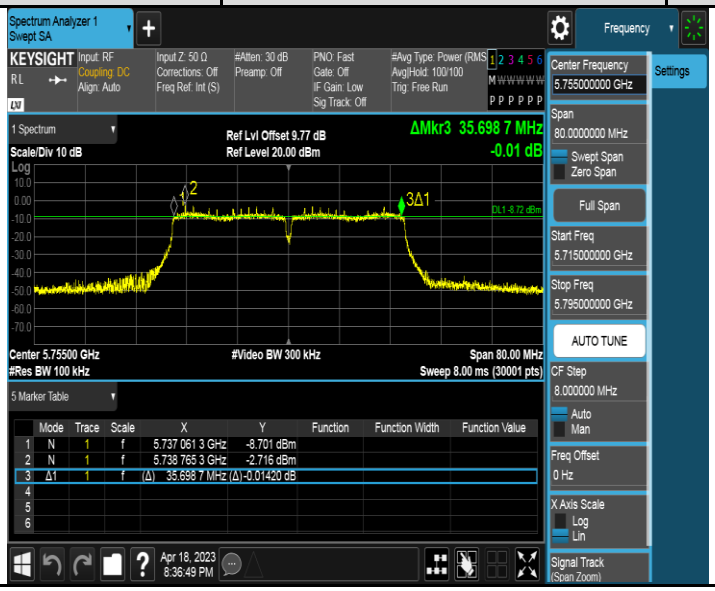
Test Mode	Test Channel	Verdict
11AC20	5785	PASS



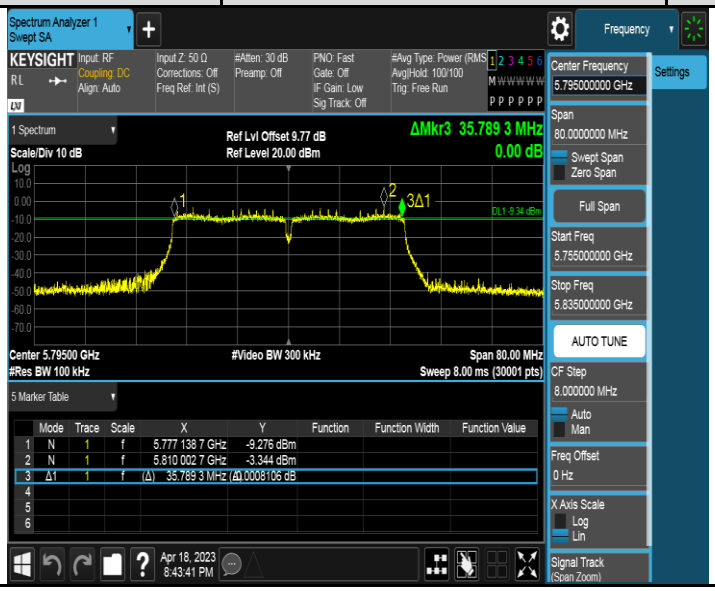
Test Mode	Test Channel	Verdict
11AC20	5825	PASS



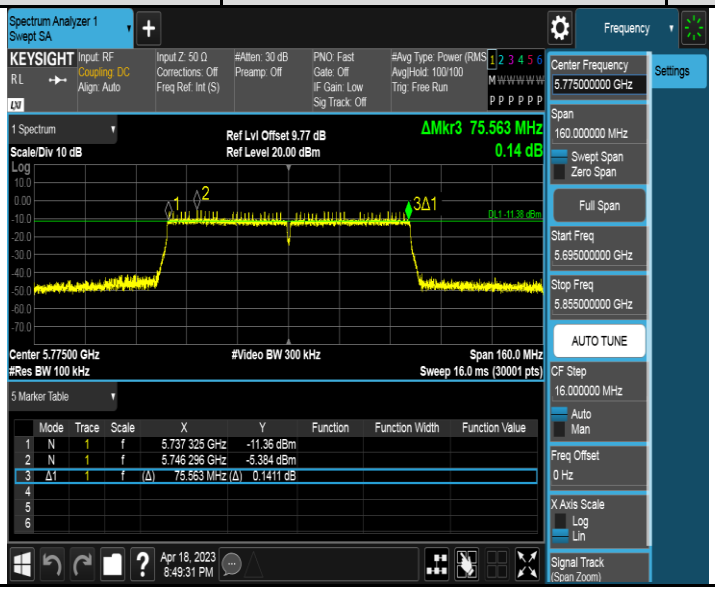
Test Mode	Test Channel	Verdict
11AC40	5755	PASS



Test Mode	Test Channel	Verdict
11AC40	5795	PASS



Test Mode	Test Channel	Verdict
11AC80	5775	PASS



6.3. MAXIMUM CONDUCTED AVERAGE OUTPUT POWER

LIMITS

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	☐ Outdoor Access Point: 1 W (30 dBm) ☐ Indoor Access Point: 1 W (30 dBm) ☐ Fixed Point-To-Point Access Points: 1 W (30 dBm) ☒ Client Devices: 250 mW (24 dBm)	5150 ~ 5250
	Shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.	5250 ~ 5350 5470 ~ 5725
	Shall not exceed 1 Watt (30 dBm).	5725 ~ 5850

ISED RSS-247 ISSUE 2		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power or e.i.r.p.	The maximum e.i.r.p. shall not exceed 200 mW (23 dBm) or 10 + 10 $\log_{10}$B, dBm, whichever power is less. B is the 99 % emission bandwidth in megahertz.	5150 ~ 5250
	a. The maximum conducted output power shall not exceed 250 mW (24 dBm) or 11 + 10 $\log_{10}$B dBm, whichever is less. b. The maximum e.i.r.p. shall not exceed 1.0 W (30 dBm) or 17 + 10 $\log_{10}$B dBm, whichever is less. B is the 99 % emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.	5250 ~ 5350 5470 ~ 5600 5650 ~ 5725
	Shall not exceed 1 Watt (30 dBm).	5725 ~ 5850

Note:
The above limits are based upon the maximum antenna gain does not exceed 6 dBi.
If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

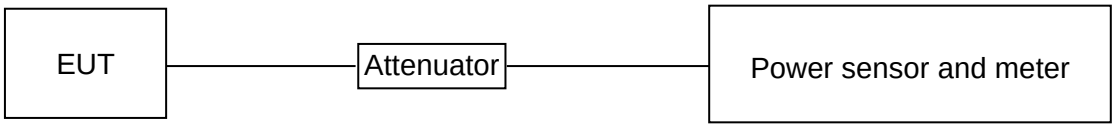
Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.E.

Method PM (Measurement using an RF average power meter):
(i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:
a. The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
b. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
c. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
(ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in II.B.
(iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
(iv) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle (e.g., 10 log (1/0.25) if the duty cycle is 25 %).

TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

TEST SETUP



TEST RESULT TABLE

Mode	Frequency (MHz)	Measurement Conducted Value (dBm)	10log(1/x) Factor	Average Conducted Output Power (dBm)	FCC Conducted Power Limit (dBm)	ISED Conducted Power Limit (dBm)	Average E.I.R.P. (dBm)	ISED E.I.R.P. Limit (dBm)
11A	5180	12.15	0.06	12.21	24.00	/	12.21	22.26
	5200	12.04	0.06	12.10	24.00	/	12.10	22.27
	5240	11.95	0.06	12.01	24.00	/	12.01	22.27
	5745	12.40	0.06	12.46	30.00	30.00	/	/
	5785	12.17	0.06	12.23	30.00	30.00	/	/
	5825	12.02	0.06	12.08	30.00	30.00	/	/
11AC20	5180	11.15	0.07	11.22	24.00	/	11.22	22.51
	5200	11.08	0.07	11.15	24.00	/	11.15	22.51
	5240	11.09	0.07	11.16	24.00	/	11.16	22.52
	5745	11.56	0.07	11.63	30.00	30.00	/	/
	5785	11.40	0.07	11.47	30.00	30.00	/	/
	5825	11.23	0.07	11.30	30.00	30.00	/	/
11AC40	5190	10.14	0.20	10.34	24.00	/	10.34	23.00
	5230	10.13	0.20	10.33	24.00	/	10.33	23.00
	5755	10.55	0.20	10.75	30.00	30.00	/	/
	5795	10.26	0.20	10.46	30.00	30.00	/	/
11AC80	5210	10.56	0.26	10.82	24.00	/	10.82	23.00
	5775	10.83	0.26	11.09	30.00	30.00	/	/

Note: Average EIRP = Average Conducted Output Power + Antenna gain

6.4. POWER SPECTRAL DENSITY

LIMITS

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	☐ Outdoor Access Point: 17 dBm/MHz ☐ Indoor Access Point: 17 dBm/MHz ☐ Fixed Point-To-Point Access Points: 17 dBm/MHz ☒ Client Devices: 11 dBm/MHz	5150 ~ 5250
	11 dBm/MHz	5250 ~ 5350 5470 ~ 5725
	30 dBm/500kHz	5725 ~ 5850

ISED RSS-247 ISSUE 2		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.	5150 ~ 5250
	The power spectral density shall not exceed 11 dBm inany 1.0 MHz band.	5250 ~ 5350 5470 ~ 5600 5650 ~ 5725
	30 dBm/500 kHz	5725 ~ 5850

Note:
The above limits are based upon the maximum antenna gain does not exceed 6 dBi.
If transmitting antennas of directional gain greater than 6 dBi are used, maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.F.

Connect the EUT to the spectrum analyser and use the following settings:

For U-NII-1 band:

Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	1 MHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

For U-NII-3:

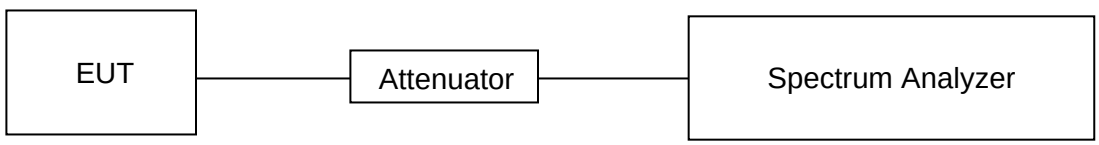
Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Allow trace to fully stabilize and Use the peak search function on the instrument to find the peak of the spectrum and record its value.
Add 10 log (1/x), where x is the duty cycle, to the peak of the spectrum, the result is the Maximum PSD over 1 MHz / 500 kHz reference bandwidth.

TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

TEST SETUP



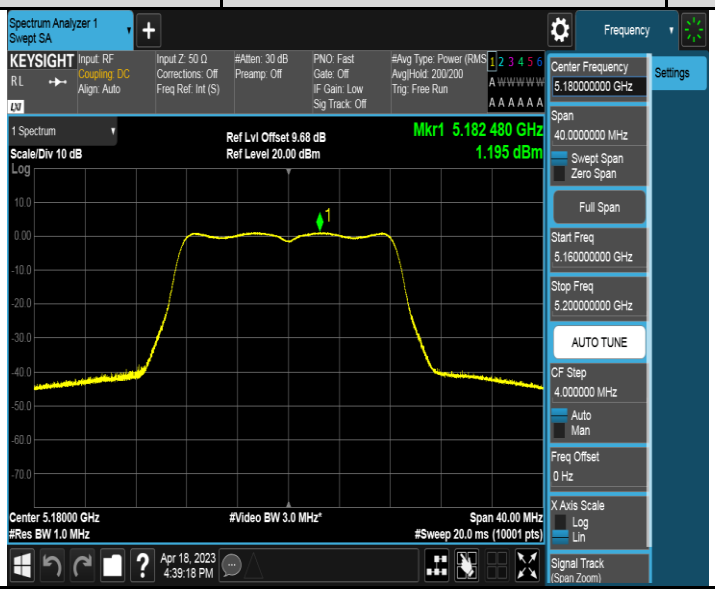
RESULTS

Test Mode	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	E.I.R.P [dBm/MHz]	ISED E.I.R.P. Limit [dBm/MHz]	Verdict
11A	5180	1.20	<=11	1.20	<=10	PASS
	5200	1.19	<=11	1.19	<=10	PASS
	5240	1.08	<=11	/	/	PASS
	5745	0.85	<=30	/	/	PASS
	5785	0.66	<=30	/	/	PASS
	5825	0.49	<=30	/	/	PASS
11AC20	5180	-0.01	<=11	-0.01	<=10	PASS
	5200	-0.04	<=11	-0.04	<=10	PASS
	5240	0.03	<=11	/	/	PASS
	5745	-0.25	<=30	/	/	PASS
	5785	-0.30	<=30	/	/	PASS
	5825	-0.37	<=30	/	/	PASS
11AC40	5190	-3.87	<=11	-3.87	<=10	PASS
	5230	-3.63	<=11	-3.63	<=10	PASS
	5755	-3.98	<=30	/	/	PASS
	5795	-4.18	<=30	/	/	PASS
11AC80	5210	-6.84	<=11	-6.84	<=10	PASS
	5775	-7.05	<=30	/	/	PASS

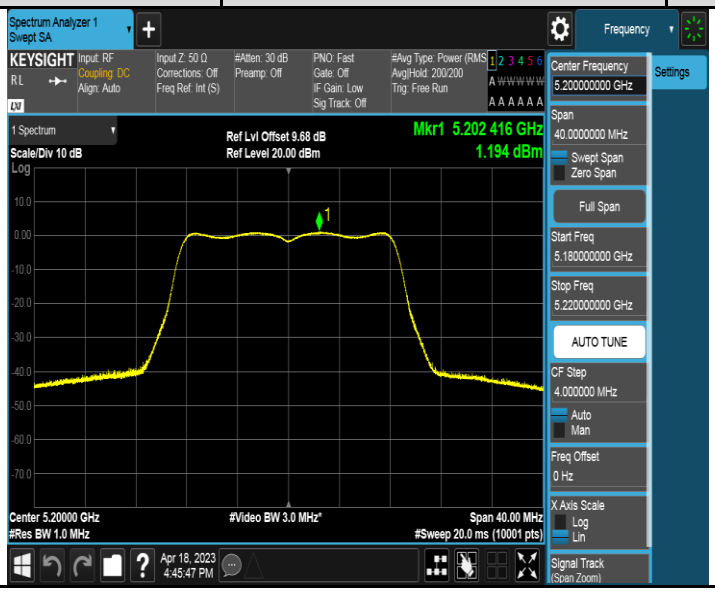
Remark：1. The Result and Limit Unit is dBm/500 kHz in the band 5.725 ~ 5.85 GHz.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

TEST GRAPHS

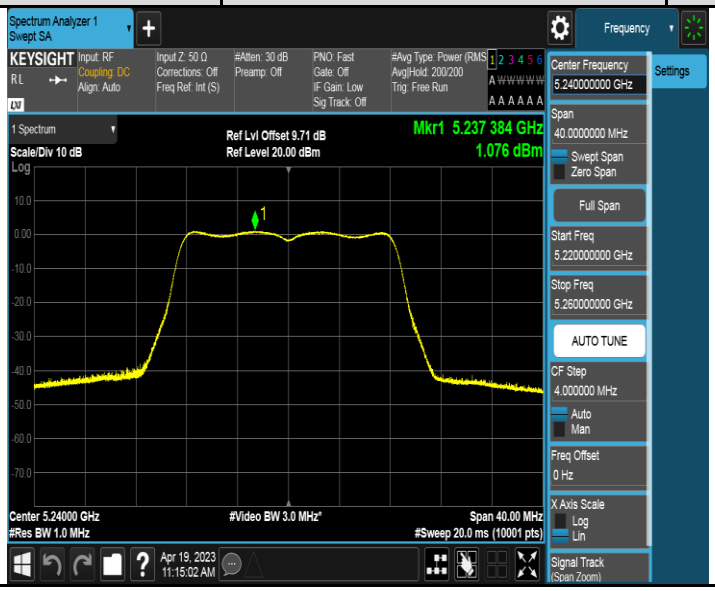
Test Mode	Test Channel	Verdict
11A	5180	PASS



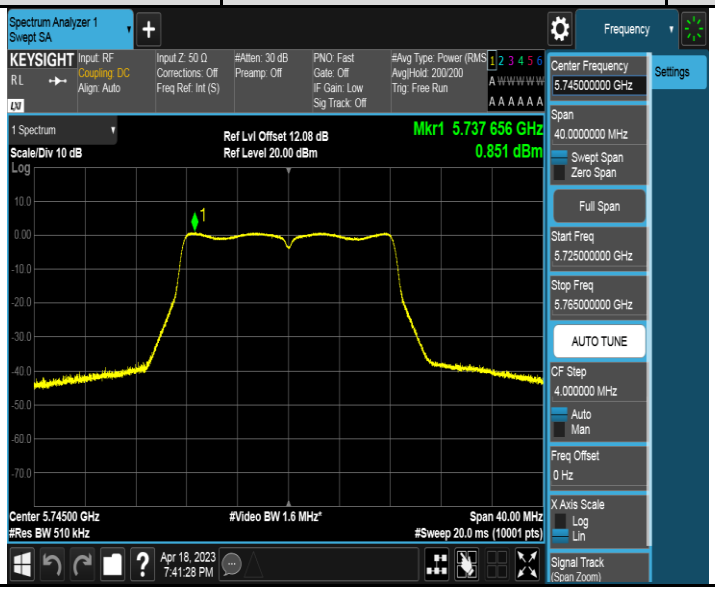
Test Mode	Test Channel	Verdict
11A	5200	PASS



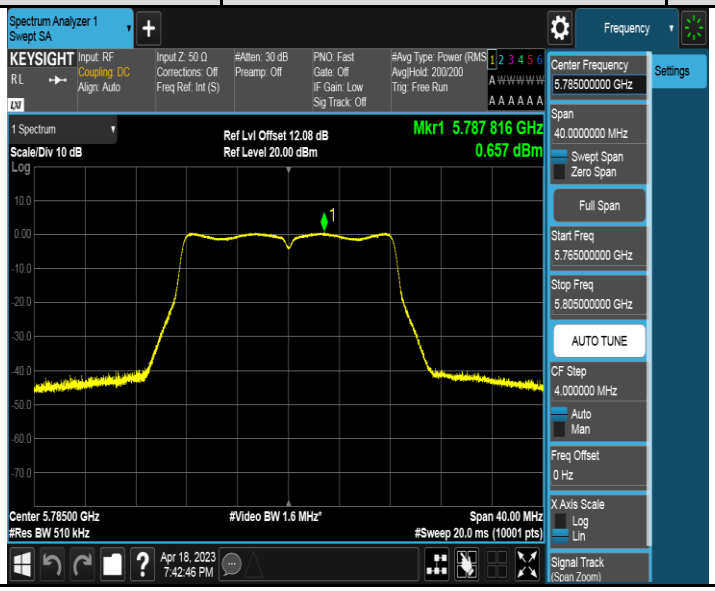
Test Mode	Test Channel	Verdict
11A	5240	PASS



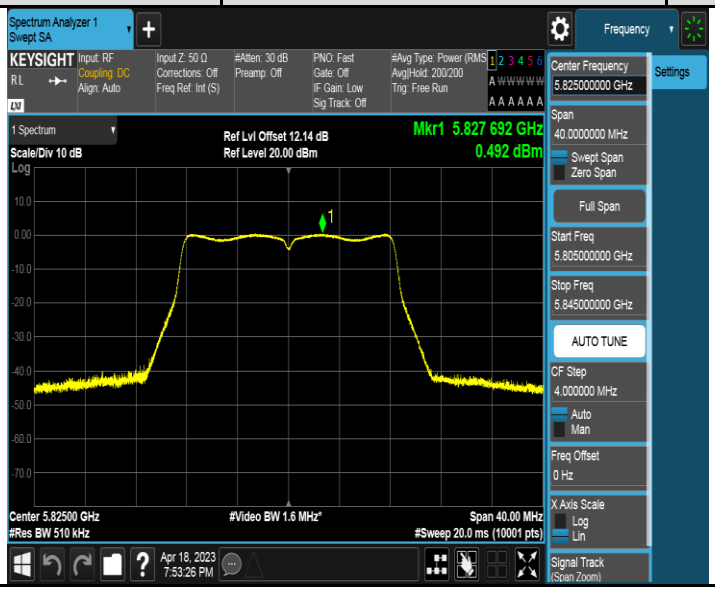
Test Mode	Test Channel	Verdict
11A	5745	PASS



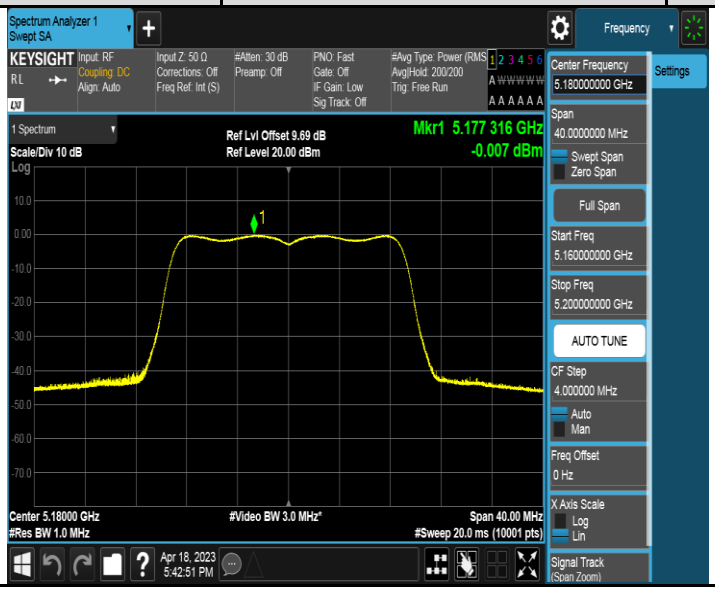
Test Mode	Test Channel	Verdict
11A	5785	PASS



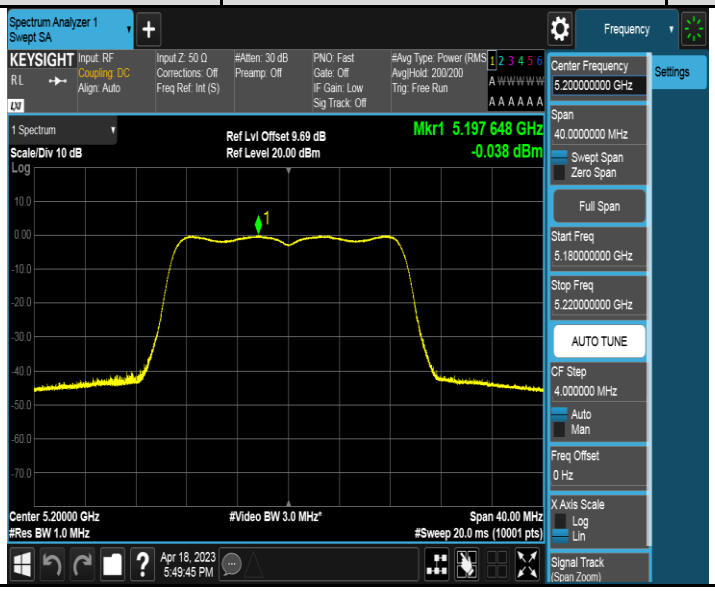
Test Mode	Test Channel	Verdict
11A	5825	PASS



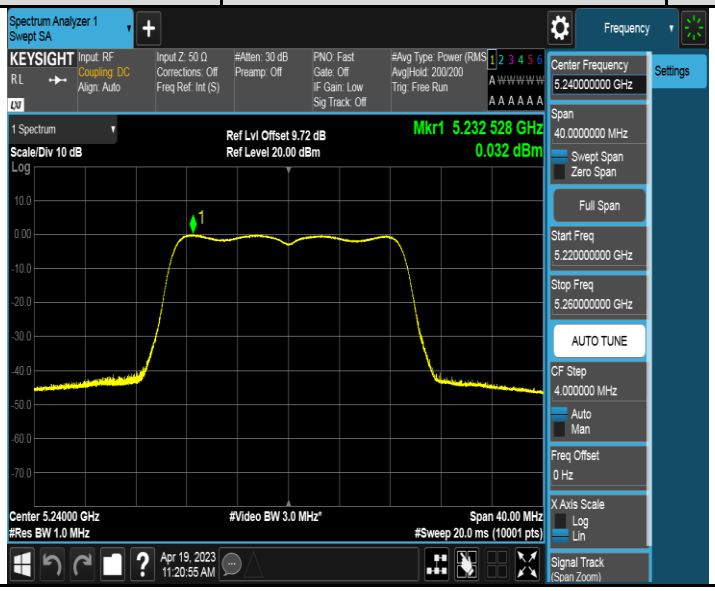
Test Mode	Test Channel	Verdict
11AC20	5180	PASS



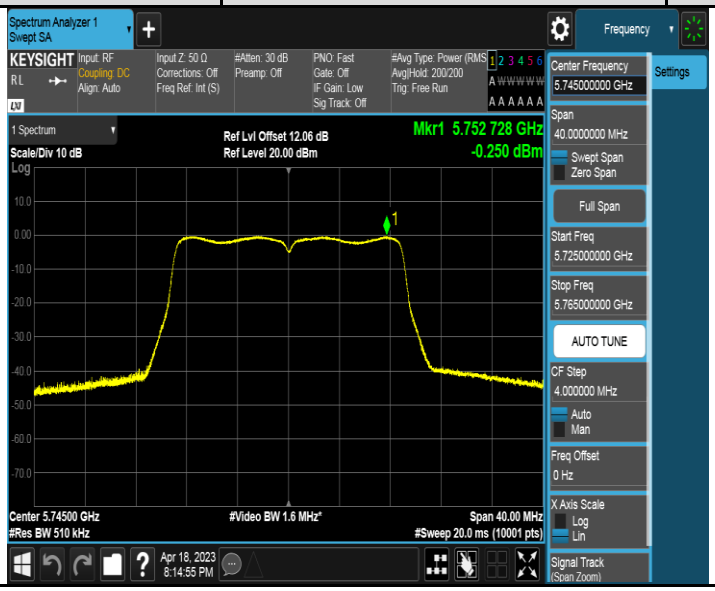
Test Mode	Test Channel	Verdict
11AC20	5200	PASS



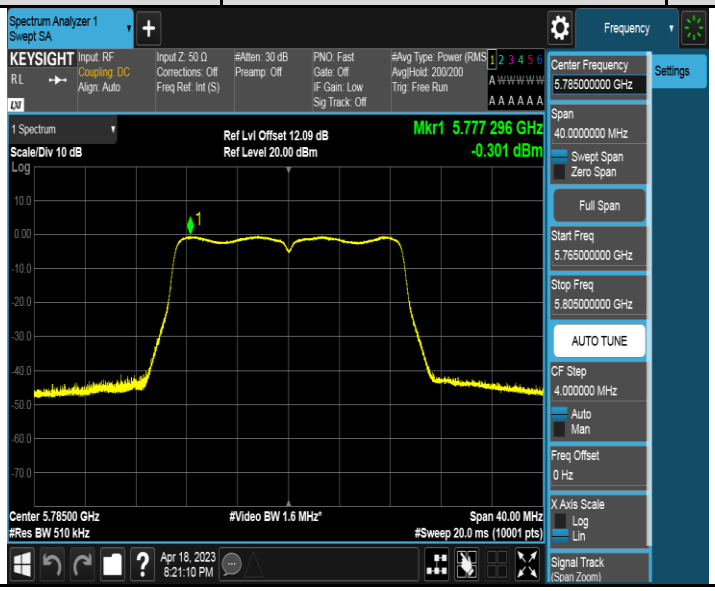
Test Mode	Test Channel	Verdict
11AC20	5240	PASS



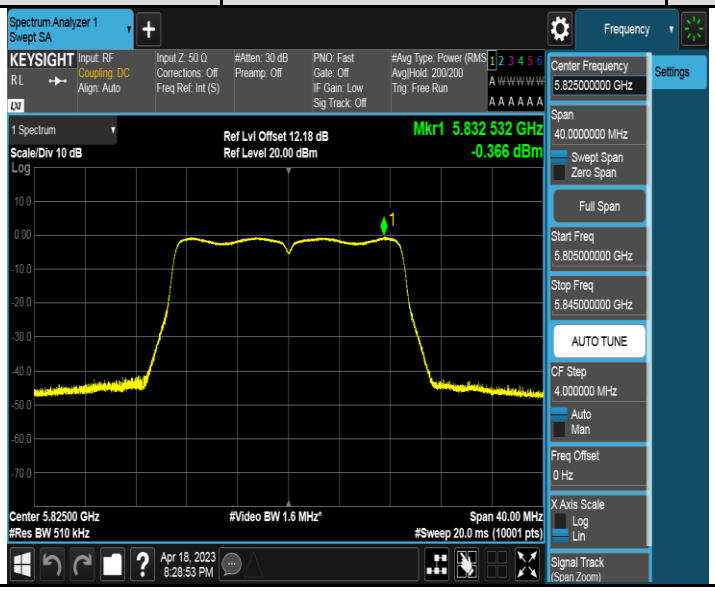
Test Mode	Test Channel	Verdict
11AC20	5745	PASS



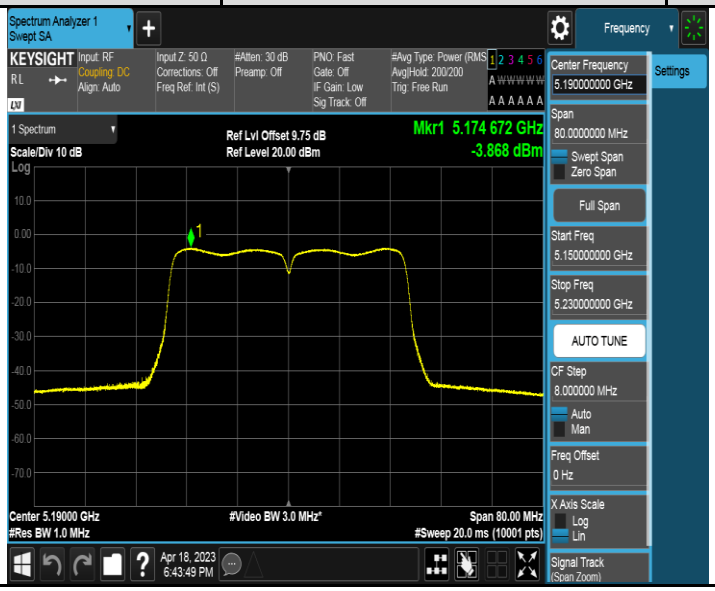
Test Mode	Test Channel	Verdict
11AC20	5785	PASS



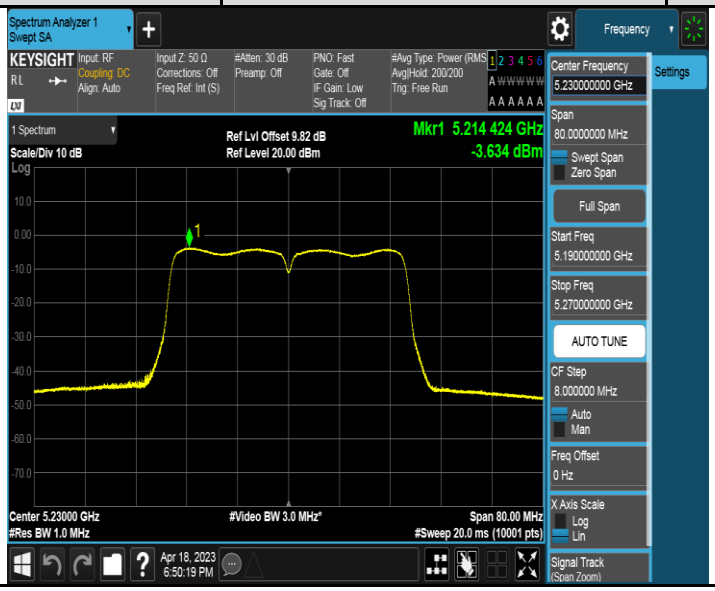
Test Mode	Test Channel	Verdict
11AC20	5825	PASS



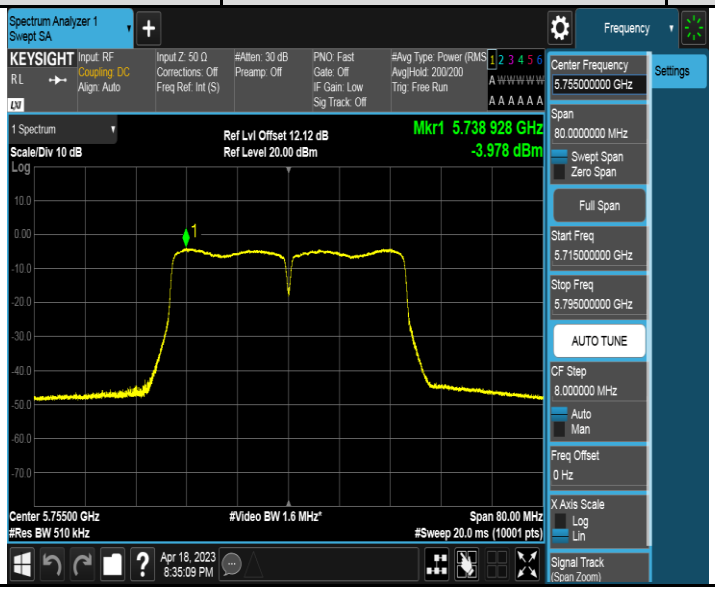
Test Mode	Test Channel	Verdict
11AC40	5190	PASS



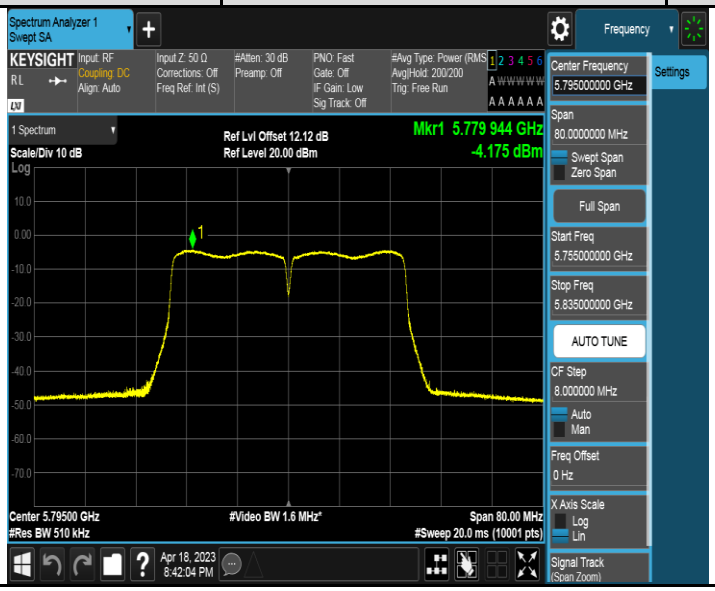
Test Mode	Test Channel	Verdict
11AC40	5230	PASS



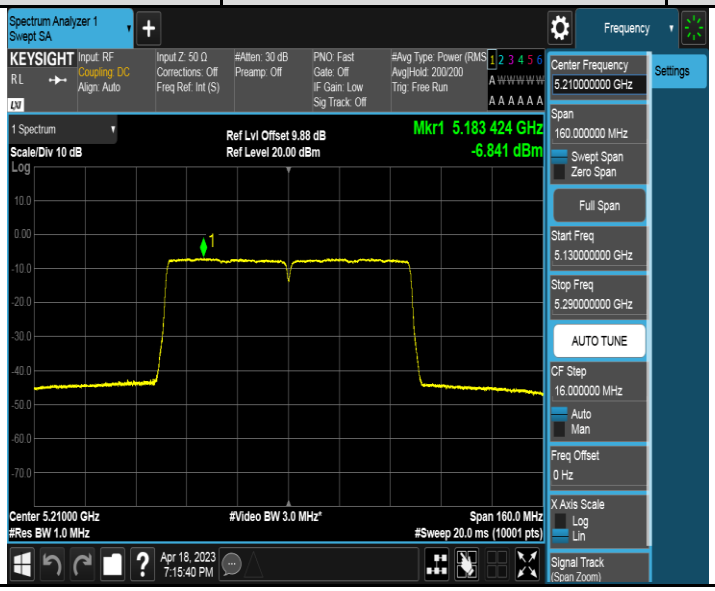
Test Mode	Test Channel	Verdict
11AC40	5755	PASS



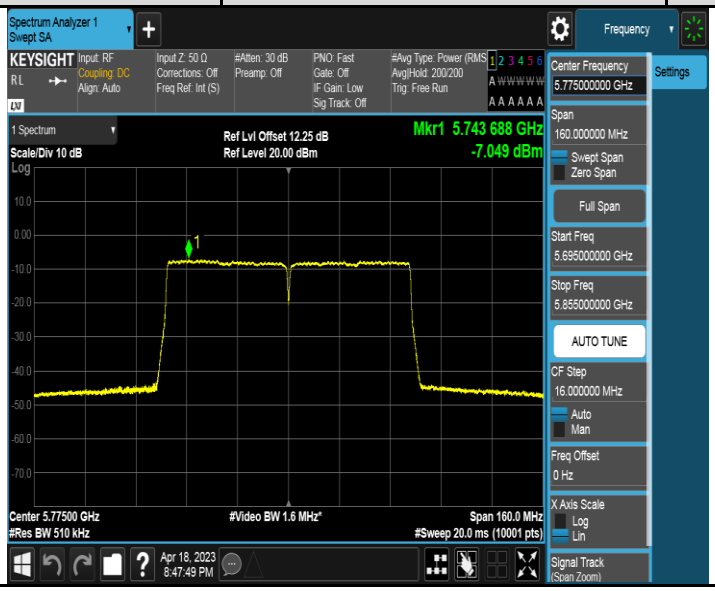
Test Mode	Test Channel	Verdict
11AC40	5795	PASS



Test Mode	Test Channel	Verdict
11AC80	5210	PASS



Test Mode	Test Channel	Verdict
11AC80	5775	PASS



7. RADIATED TEST RESULTS

LIMITS

Refer to CFR 47 FCC §15.205, §15.209 and §15.407 (b).

Refer to ISED RSS-GEN Clause 8.9, Clause 8.10 and ISED RSS-247 6.2.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz		
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

ISED General field strength limits at frequencies below 30 MHz

Table 6 – General field strength limits at frequencies below 30 MHz		
Frequency	**Magnetic field strength (H-Field) (μA/m)**	**Measurement distance (m)**
9 - 490 kHz[Note 1]	6.37/F (F in kHz)	300
490 - 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30 MHz	0.08	30

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

ISED Restricted bands refer to ISED RSS-GEN Clause 8.10

Table 7 – Restricted frequency bands[Note 1]		
MHz	**MHz**	**GHz**
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 – 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 – 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 – 8500	
108 – 138		

Note 1: Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

FCC Restricted bands of operation refer to FCC §15.205 (a):

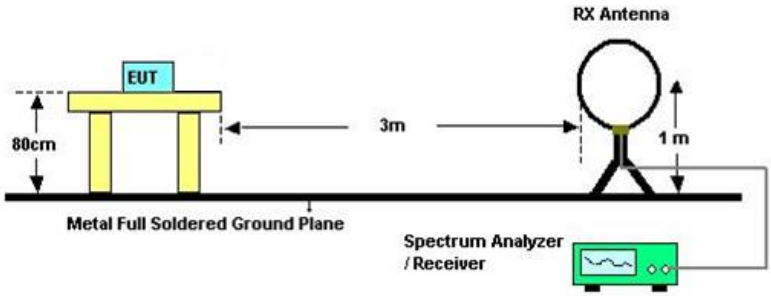
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218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

Remark: [1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
[2]Above 38.6c
Limits of unwanted/undesirable emission out of the restricted bands refer to CFR 47 FCC §15.407 (b) and ISED RSS-247 6.2.

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1GHz)		
Frequency Range (MHz)	EIRP Limit	Field Strength Limit (dBuV/m) at 3 m
5150~5250 MHz	PK: -27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz		
5470~5725 MHz		
5725~5850 MHz	PK: -27 (dBm/MHz) *1 PK: 10 (dBm/MHz) *2 PK: 15.6 (dBm/MHz) *3 PK: 27 (dBm/MHz) *4	PK: 68.2(dBμV/m) *1 PK: 105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK: 122.2 (dBμV/m) *4
Remark: *1 beyond 75 MHz or more above of the band edge. *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

TEST SETUP AND PROCEDURE

Below 30 MHz



The setting of the spectrum analyser

RBW	200 Hz (From 9 kHz to 0.15 MHz) / 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz) / 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013 and KDB 414788.

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 80 cm above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.

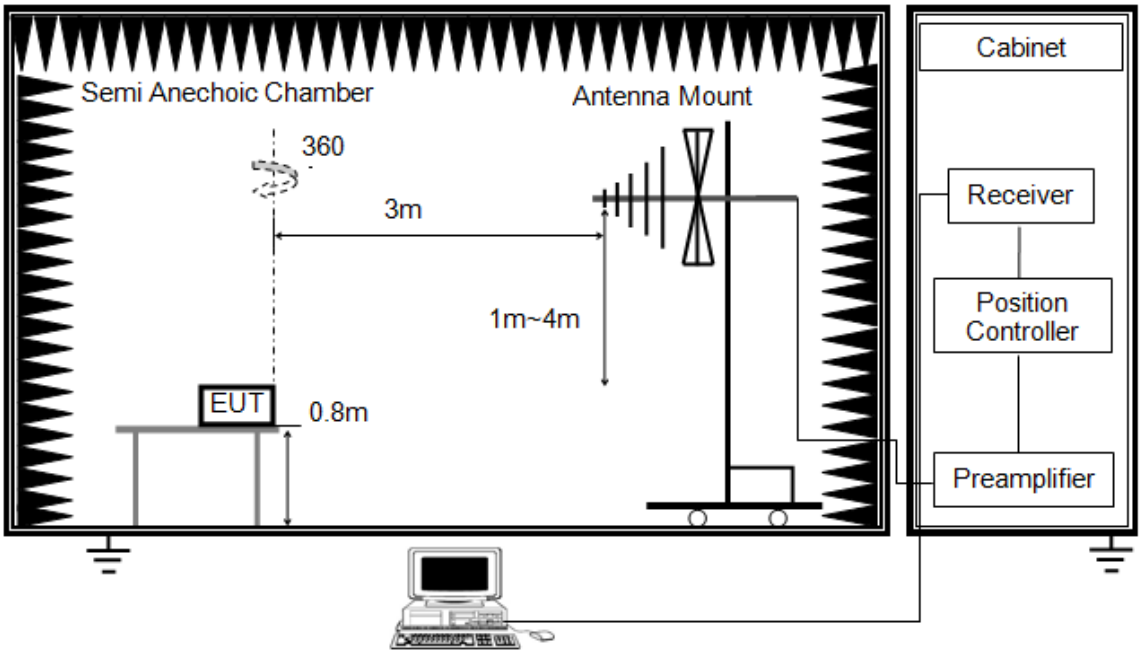
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

6. For measurement below 1 GHz, 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 and average 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 and average detector and reported.

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

8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377 Ω. For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to Y-51.5 = Z dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz



The setting of the spectrum analyser

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

1. The testing follows the guidelines in ANSI C63.10-2013 clause 11.11.

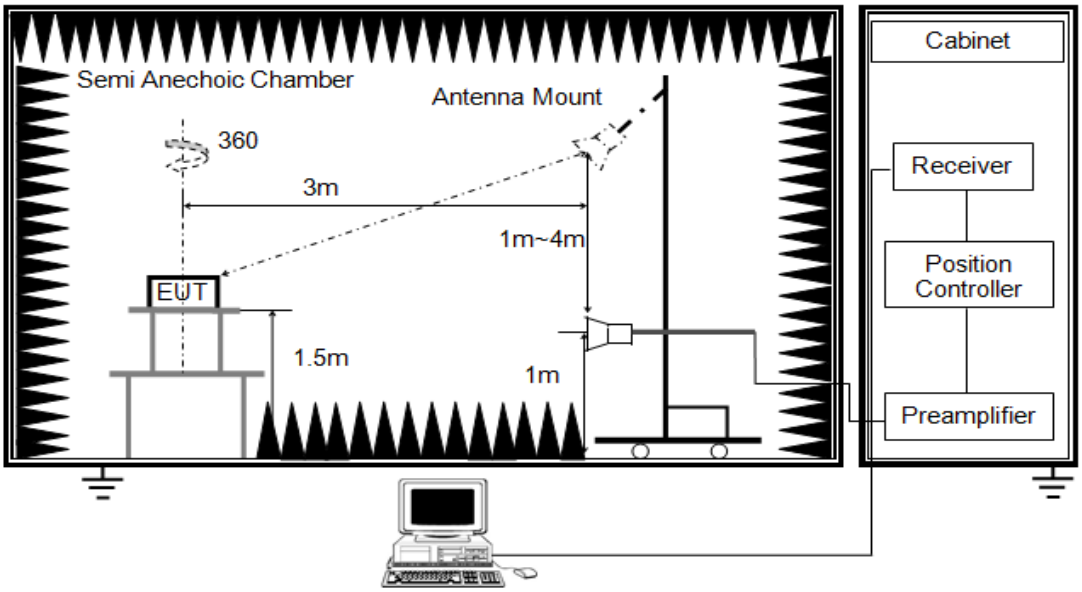
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations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

3. The EUT was placed on a turntable with 80 cm 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 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

Above 1G



The setting of the spectrum analyzer

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

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

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

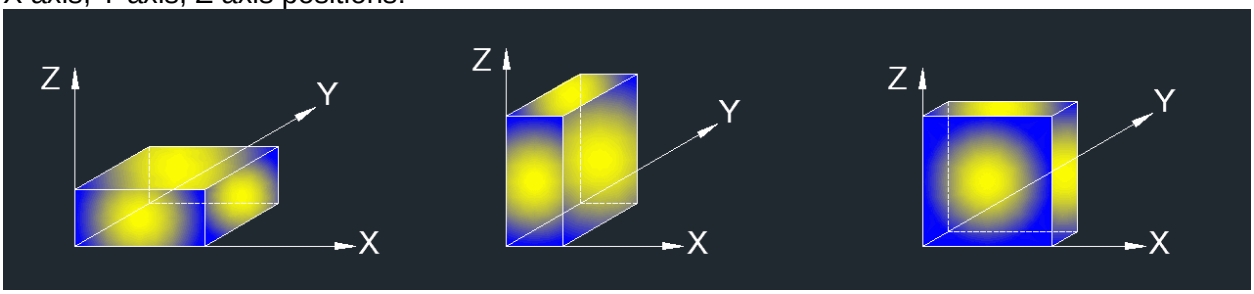
3. The EUT was placed on a turntable with 1.5m above ground.

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

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

6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector. For the Duty Cycle please refer to clause 6.2. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Remark 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (Y axis) data recorded in the report.

7.1. RESTRICTED BANDEDGE

TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

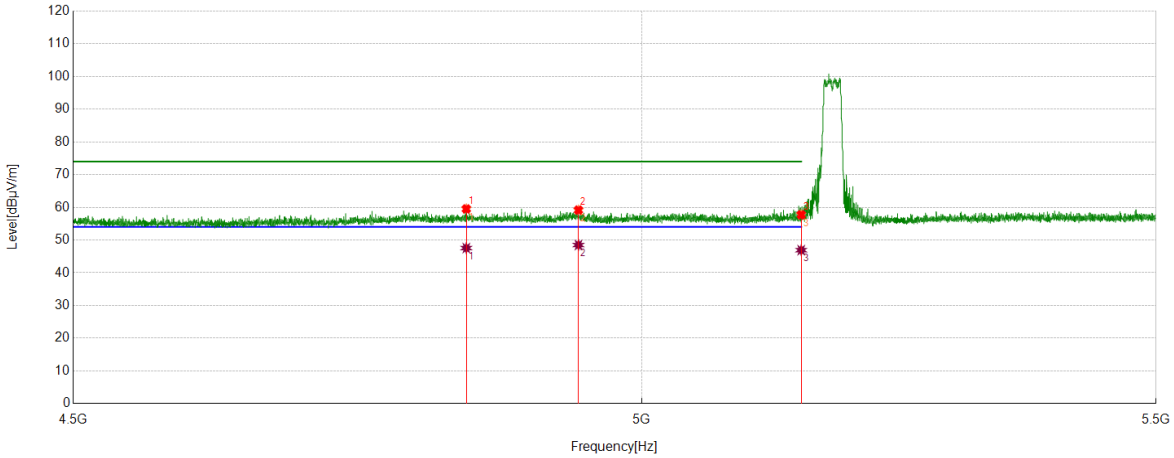
TEST RESULT TABLE

Test Mode	Channel	Puw(dBm)	Verdict
11A	5180	<Limit	PASS
	5240	<Limit	PASS
	5745	<Limit	PASS
	5825	<Limit	PASS
11AC20	5180	<Limit	PASS
	5240	<Limit	PASS
	5745	<Limit	PASS
	5825	<Limit	PASS
11AC40	5190	<Limit	PASS
	5230	<Limit	PASS
	5755	<Limit	PASS
	5795	<Limit	PASS
11AC80	5210	<Limit	PASS
	5775	<Limit	PASS

Note: Since 802.11ac VHT20/VHT40 modes are different from 802.11n HT20/HT40 only in control messages, so all the tests are performed on the worst case (802.11ac VHT20/802.11ac VHT40) mode between these 4 modes and only the worst data was recorded in this report.

TEST GRAPHS:

Test Mode	Channel	Polarization	Verdict
11A	5180	Horizontal	PASS



PK Result:

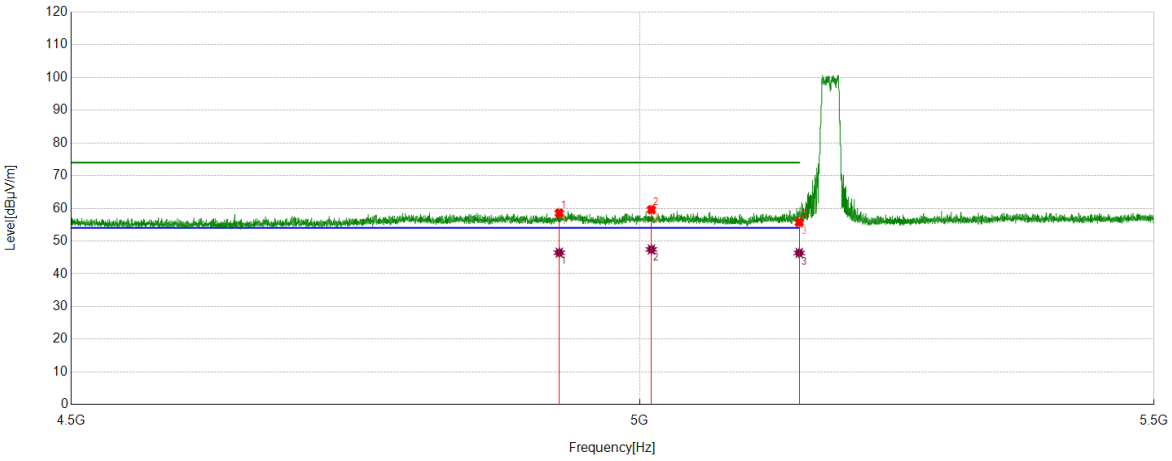
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4840.1340	39.24	20.28	59.52	74.00	-14.48	Horizontal
2	4941.7442	38.78	20.38	59.16	74.00	-14.84	Horizontal
3	5150.0000	38.27	19.46	57.73	74.00	-16.27	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4840.1340	27.27	20.28	47.55	54.00	-6.45	Horizontal
2	4941.7442	28.10	20.38	48.48	54.00	-5.52	Horizontal
3	5150.0000	27.46	19.46	46.92	54.00	-7.08	Horizontal

Remark: 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
11A	5180	Vertical	PASS



PK Result:

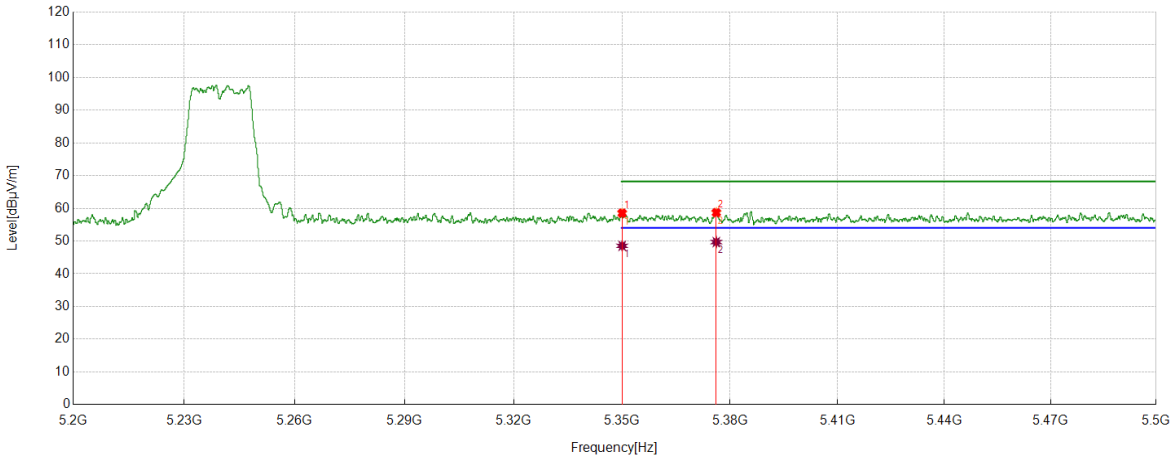
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4926.0426	38.7	19.87	58.57	74.00	-15.43	Vertical
2	5010.8511	39.44	20.15	59.59	74.00	-14.41	Vertical
3	5150.0000	36.25	19.46	55.71	74.00	-18.29	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4926.0426	26.57	19.87	46.44	54.00	-7.56	Vertical
2	5010.8511	27.28	20.15	47.43	54.00	-6.57	Vertical
3	5150.0000	26.90	19.46	46.36	54.00	-7.64	Vertical

Remark: 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
11A	5240	Horizontal	PASS



PK Result:

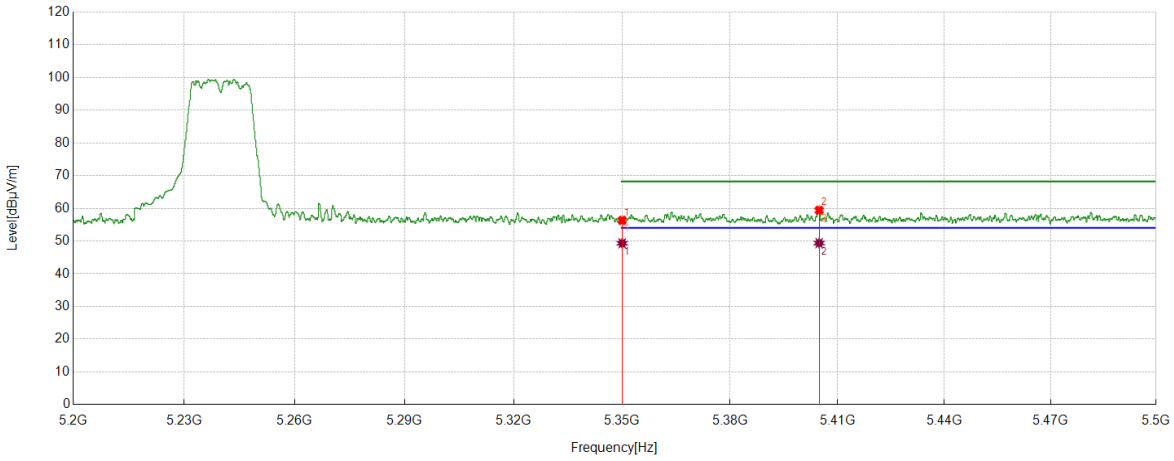
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	37.85	20.68	58.53	68.20	-9.67	Horizontal
2	5376.1476	38.1	20.59	58.69	68.20	-9.51	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	27.85	20.68	48.53	54.00	-5.47	Horizontal
2	5376.1476	29.10	20.59	49.69	54.00	-4.31	Horizontal

Remark: 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
11A	5240	Vertical	PASS



PK Result:

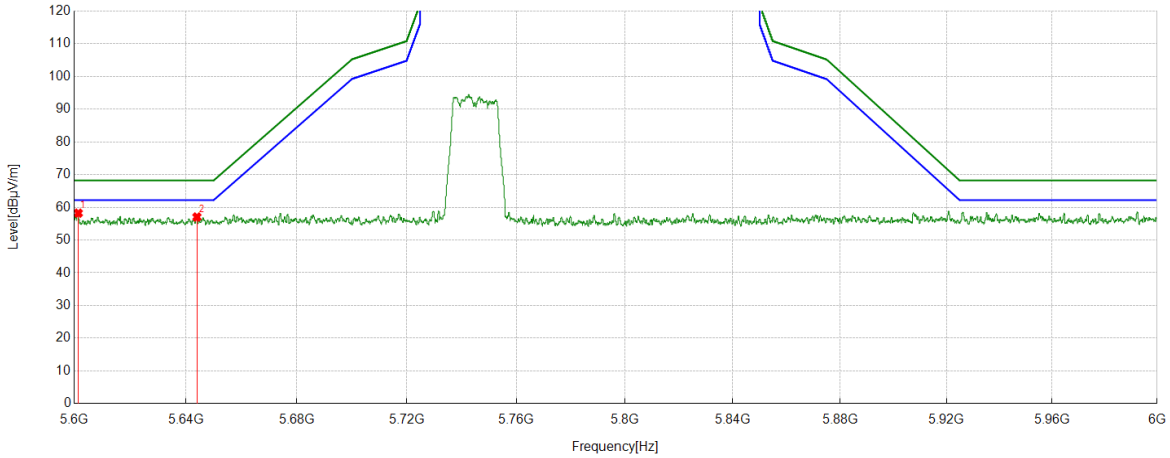
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	35.64	20.68	56.32	68.20	-11.88	Vertical
2	5404.8605	38.6	20.81	59.41	68.20	-8.79	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	28.64	20.68	49.32	54.00	-4.68	Vertical
2	5404.8605	28.58	20.81	49.39	54.00	-4.61	Vertical

Remark: 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
11A	5745	Horizontal	PASS

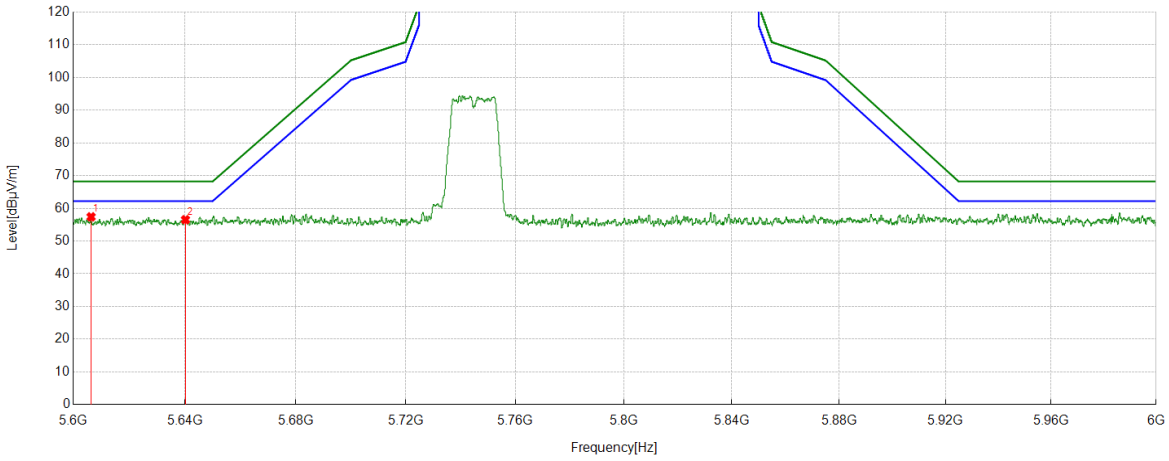


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5601.5202	37.43	20.80	58.23	68.20	-9.97	Horizontal
2	5644.0044	36.38	20.66	57.04	68.20	-11.16	Horizontal

Remark: 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
11A	5745	Vertical	PASS

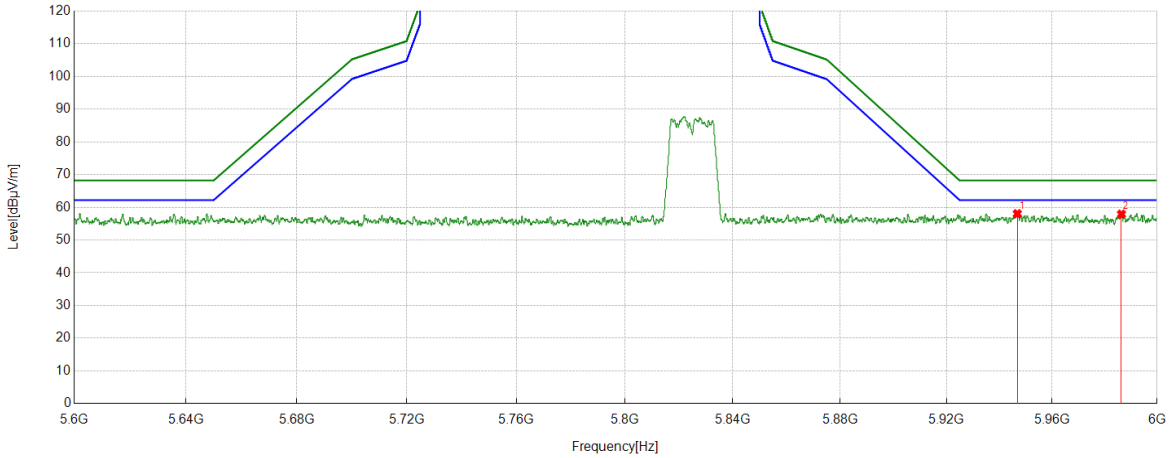


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5606.4406	36.73	20.67	57.40	68.20	-10.80	Vertical
2	5640.244	35.82	20.70	56.52	68.20	-11.68	Vertical

Remark: 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
11A	5825	Horizontal	PASS

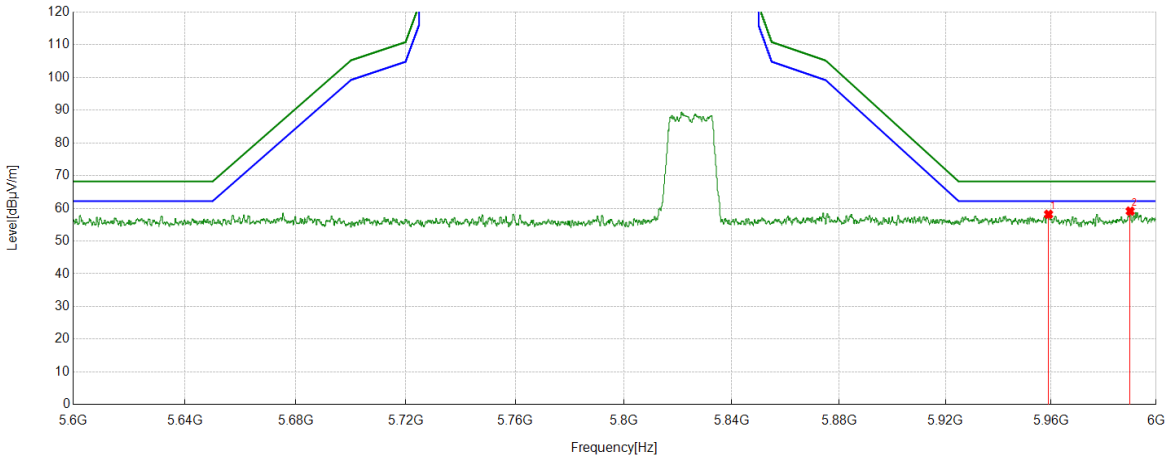


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5946.7947	36.66	21.38	58.04	68.20	-10.16	Horizontal
2	5986.3986	36.44	21.46	57.90	68.20	-10.30	Horizontal

Remark: 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
11A	5825	Vertical	PASS

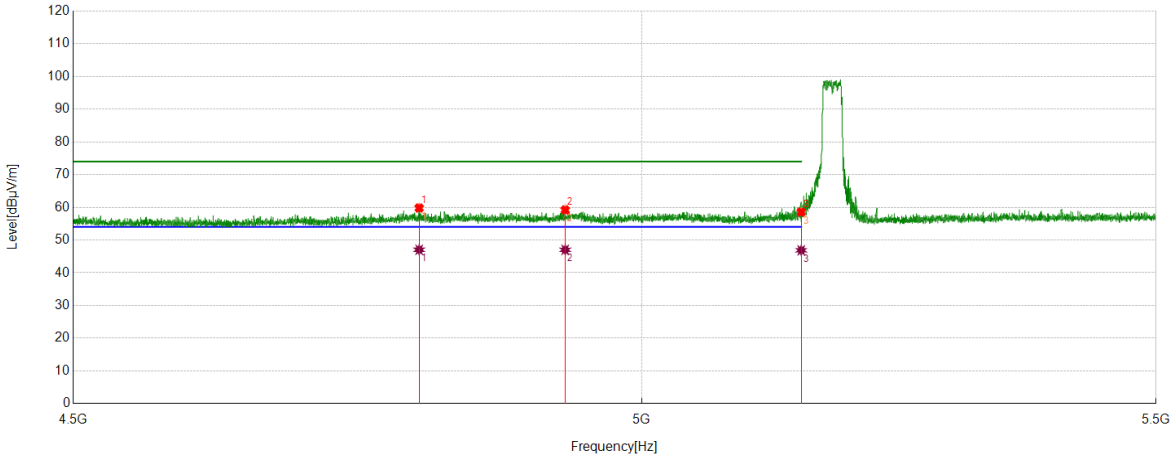


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5959.0359	36.72	21.45	58.17	68.20	-10.03	Vertical
2	5990.119	37.62	21.52	59.14	68.20	-9.06	Vertical

Remark: 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
11AC20	5180	Horizontal	PASS



PK Result:

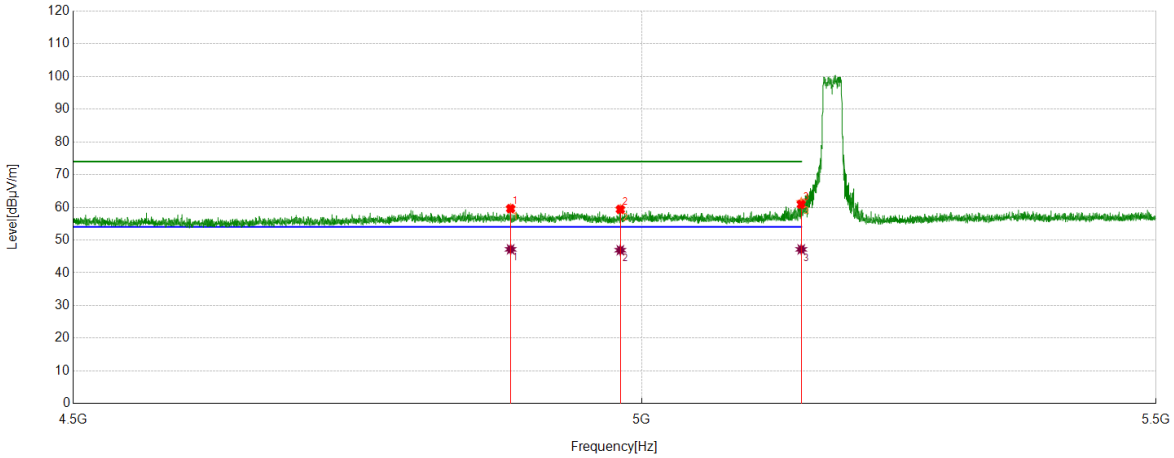
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4798.0298	39.79	20.01	59.80	74.00	-14.20	Horizontal
2	4929.6430	39.2	20.01	59.21	74.00	-14.79	Horizontal
3	5150.0000	39.07	19.46	58.53	74.00	-15.47	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4798.0298	27.02	20.01	47.03	54.00	-6.97	Horizontal
2	4929.6430	27.01	20.01	47.02	54.00	-6.98	Horizontal
3	5150.0000	27.41	19.46	46.87	54.00	-7.13	Horizontal

Remark: 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
11AC20	5180	Vertical	PASS



PK Result:

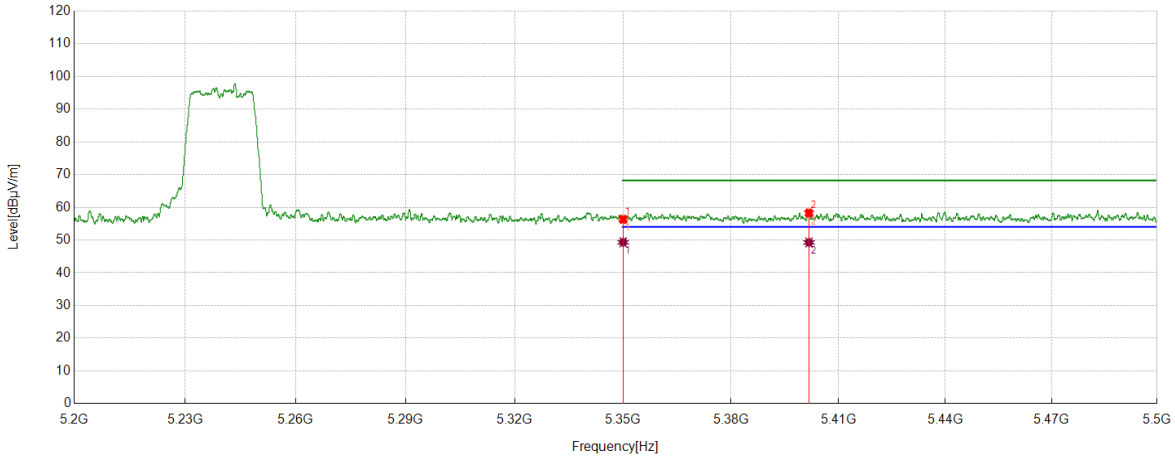
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4880.038	39.56	20.04	59.60	74.00	-14.40	Vertical
2	4980.248	39.32	20.06	59.38	74.00	-14.62	Vertical
3	5150.0499	42.08	19.46	61.54	74.00	-12.46	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4880.038	27.13	20.04	47.17	54.00	-6.83	Vertical
2	4980.248	26.84	20.06	46.90	54.00	-7.10	Vertical
3	5150.0499	27.69	19.46	47.15	54.00	-6.85	Vertical

Remark: 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
11AC20	5240	Horizontal	PASS



PK Result:

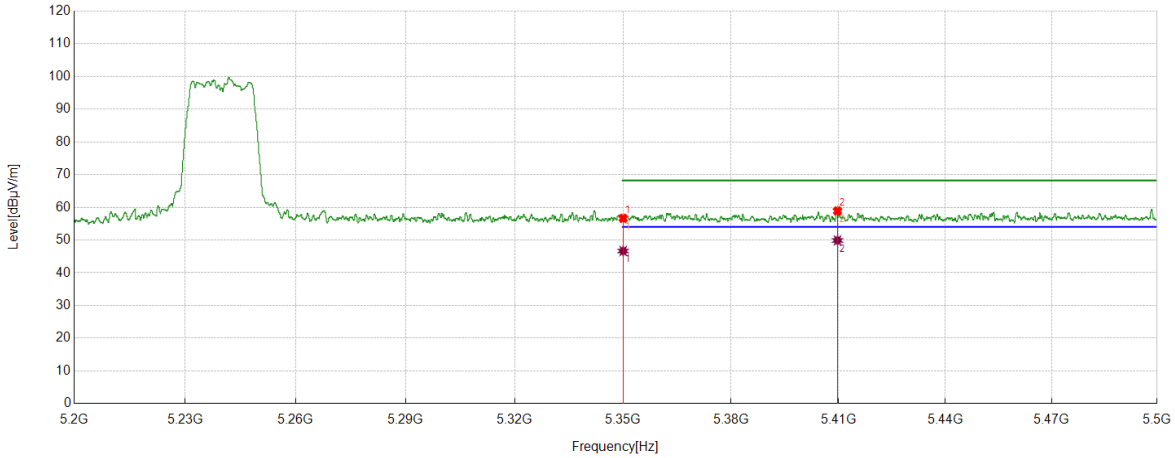
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	35.64	20.68	56.32	68.20	-11.88	Horizontal
2	5401.7402	37.49	20.77	58.26	68.20	-9.94	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	28.64	20.68	49.32	54.00	-4.68	Horizontal
2	5401.7402	28.49	20.77	49.26	54.00	-4.74	Horizontal

Remark: 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
11AC20	5240	Vertical	PASS



PK Result:

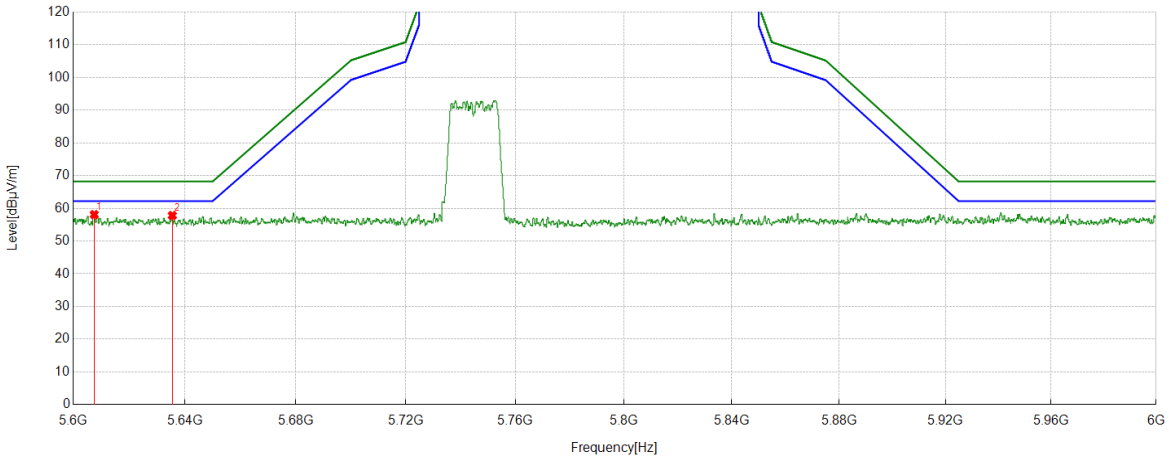
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	35.97	20.68	56.65	68.20	-11.55	Vertical
2	5409.721	38.04	20.87	58.91	68.20	-9.29	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	25.97	20.68	46.65	54.00	-7.35	Vertical
2	5409.721	29.02	20.87	49.89	54.00	-4.11	Vertical

Remark: 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
11AC20	5745	Horizontal	PASS

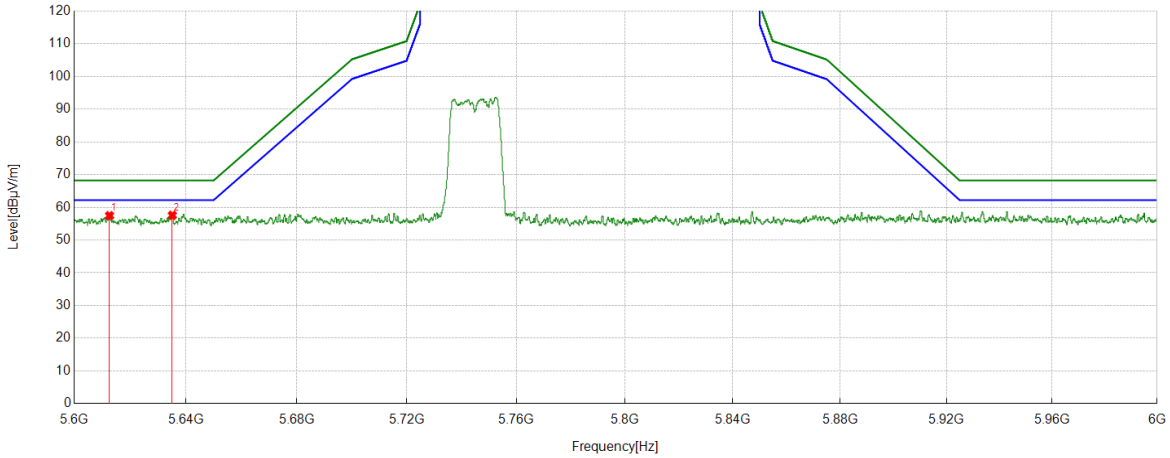


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5607.5608	37.45	20.64	58.09	68.20	-10.11	Horizontal
2	5635.5236	37.08	20.73	57.81	68.20	-10.39	Horizontal

Remark: 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
11AC20	5745	Vertical	PASS

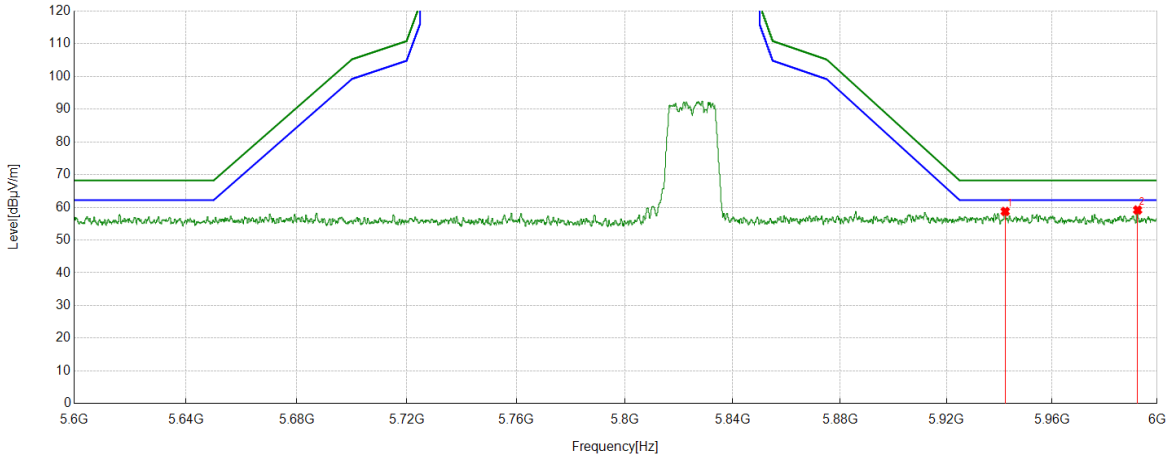


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5612.6813	36.85	20.61	57.46	68.20	-10.74	Vertical
2	5635.1635	36.83	20.73	57.56	68.20	-10.64	Vertical

Remark: 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
11AC20	5825	Horizontal	PASS

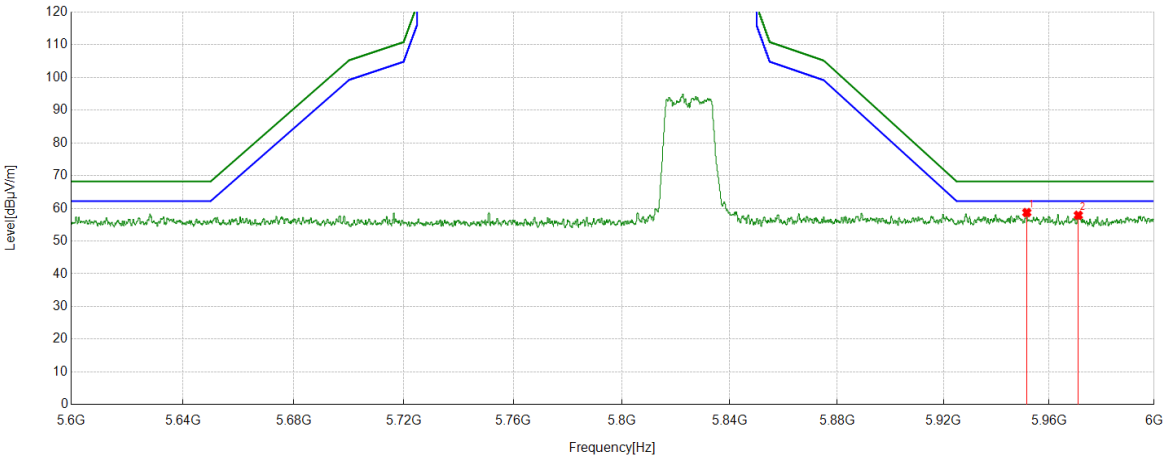


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5942.2342	37.31	21.44	58.75	68.20	-9.45	Horizontal
2	5992.5593	37.73	21.45	59.18	68.20	-9.02	Horizontal

Remark: 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
11AC20	5825	Vertical	PASS

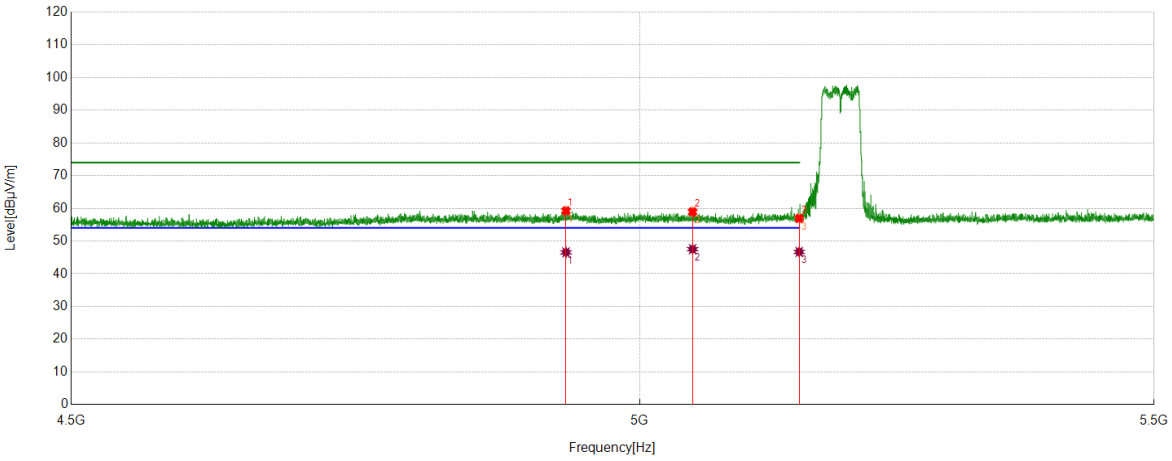


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5951.5552	37.34	21.36	58.70	68.20	-9.50	Vertical
2	5971.1171	36.54	21.34	57.88	68.20	-10.32	Vertical

Remark: 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
11AC40	5190	Horizontal	PASS



PK Result:

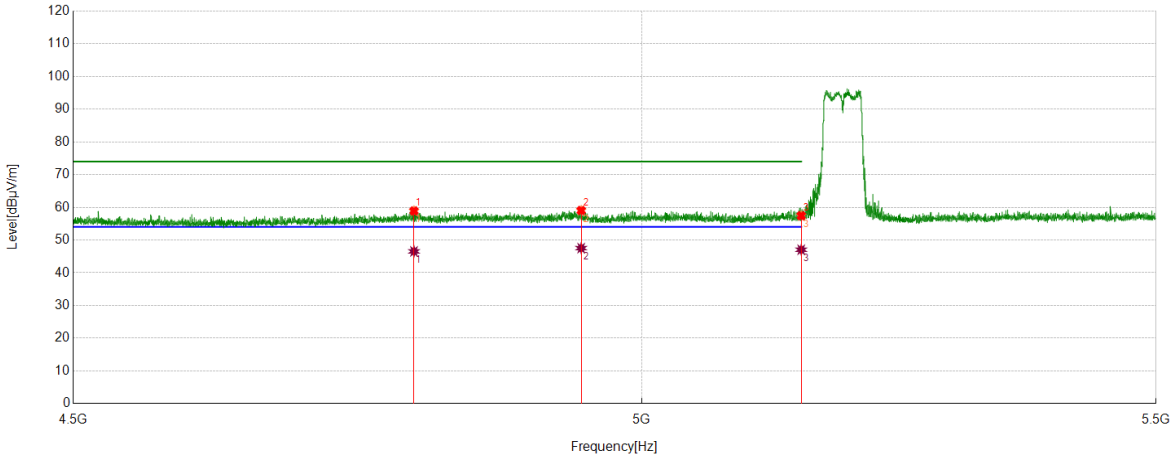
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4932.2432	39.11	20.12	59.23	74.00	-14.77	Horizontal
2	5049.2549	38.9	20.04	58.94	74.00	-15.06	Horizontal
3	5150.0000	37.46	19.46	56.92	74.00	-17.08	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4932.2432	26.43	20.12	46.55	54.00	-7.45	Horizontal
2	5049.2549	27.48	20.04	47.52	54.00	-6.48	Horizontal
3	5150.0000	27.23	19.46	46.69	54.00	-7.31	Horizontal

Remark: 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
11AC40	5190	Vertical	PASS



PK Result:

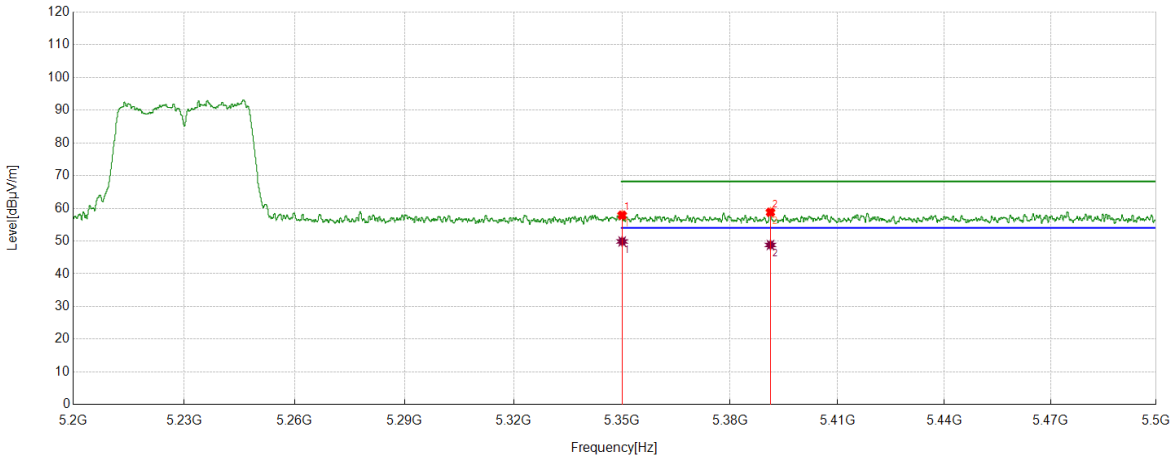
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4793.4293	38.86	20.04	58.90	74.00	-15.10	Vertical
2	4944.2444	38.78	20.25	59.03	74.00	-14.97	Vertical
3	5150.0000	37.98	19.46	57.44	74.00	-16.56	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4793.4293	26.49	20.04	46.53	54.00	-7.47	Vertical
2	4944.2444	27.28	20.25	47.53	54.00	-6.47	Vertical
3	5150.0000	27.58	19.46	47.04	54.00	-6.96	Vertical

Remark: 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
11AC40	5230	Horizontal	PASS



PK Result:

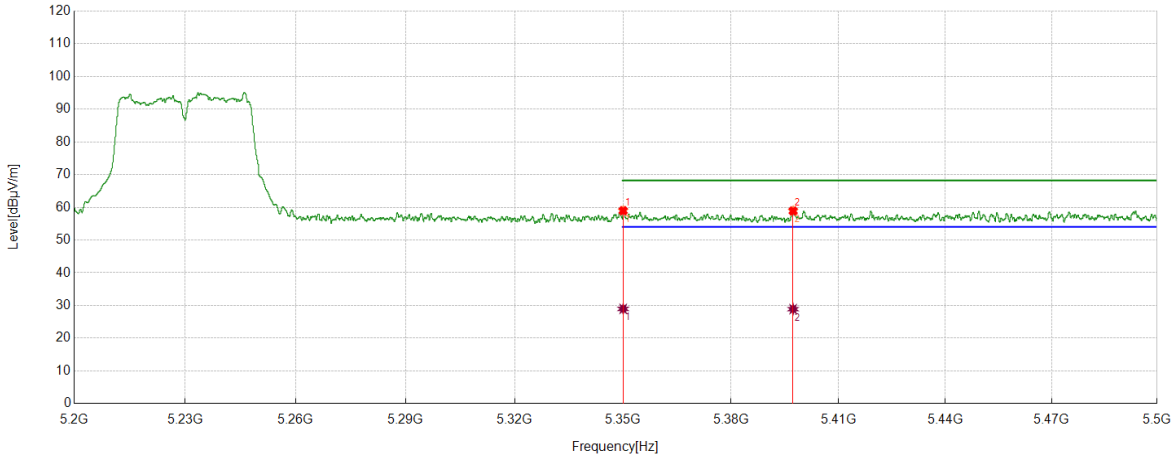
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	37.2	20.68	57.88	68.20	-10.32	Horizontal
2	5391.2391	38.41	20.39	58.80	68.20	-9.40	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	29.20	20.68	49.88	54.00	-4.12	Horizontal
2	5391.2391	28.41	20.39	48.80	54.00	-5.20	Horizontal

Remark: 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
11AC40	5230	Vertical	PASS



PK Result:

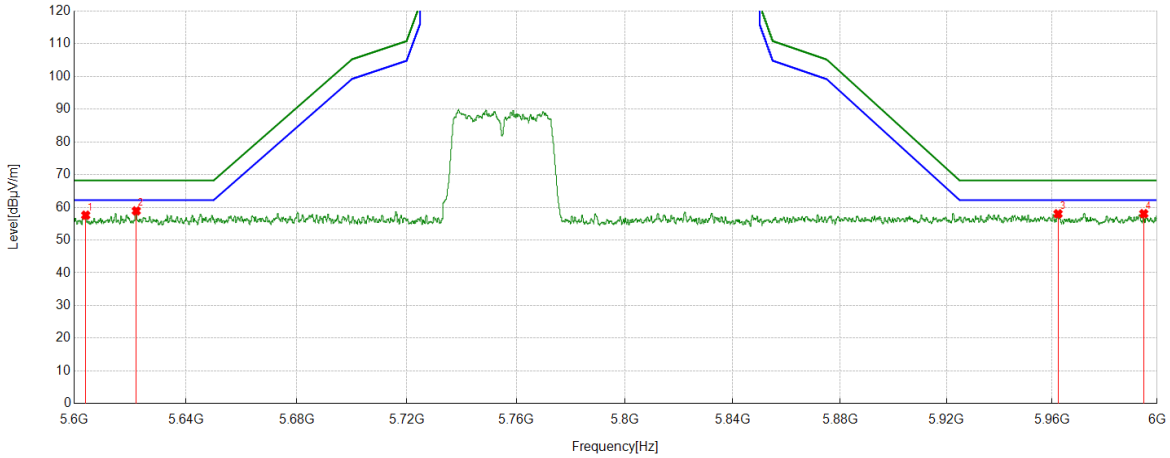
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	38.29	20.68	58.97	68.20	9.23	Vertical
2	5397.2997	38.26	20.63	58.89	68.20	9.31	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	38.29	20.68	28.97	54.00	-4.97	Vertical
2	5397.2997	38.26	20.63	28.89	54.00	-4.89	Vertical

Remark: 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
11AC40	5755	Horizontal	PASS

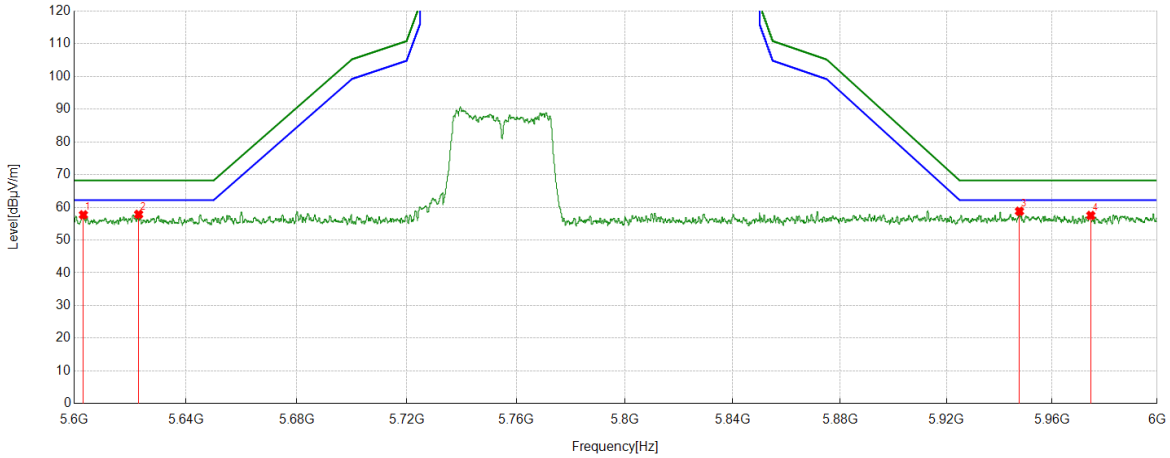


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5604.1604	36.87	20.72	57.59	68.20	-10.61	Horizontal
2	5622.2422	38.19	20.72	58.91	68.20	-9.29	Horizontal
3	5962.2762	36.59	21.43	58.02	68.20	-10.18	Horizontal
4	5994.9195	36.67	21.38	58.05	68.20	-10.15	Horizontal

Remark: 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
11AC40	5755	Vertical	PASS

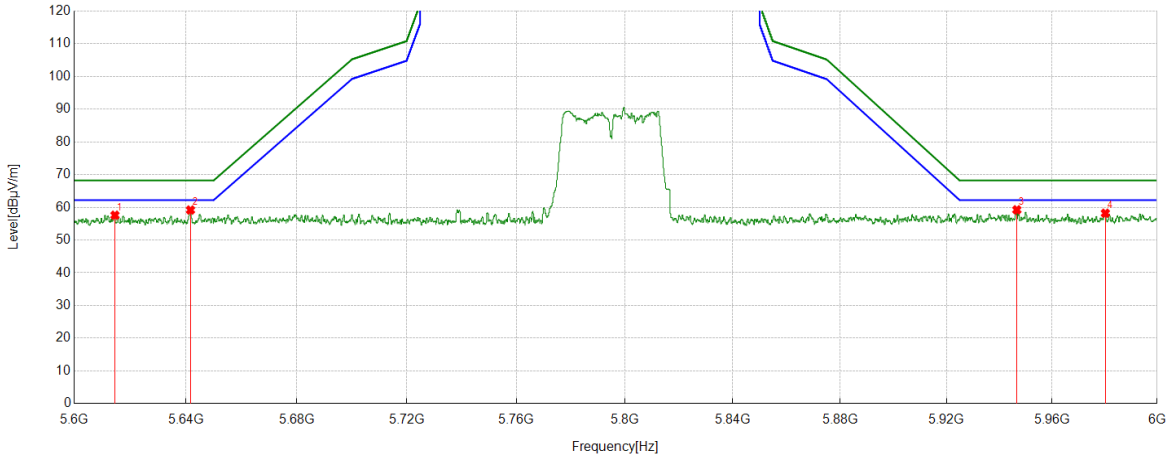


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5603.3203	36.97	20.74	57.71	68.20	-10.49	Vertical
2	5623.0823	37.14	20.71	57.85	68.20	-10.35	Vertical
3	5947.6348	37.42	21.38	58.80	68.20	-9.40	Vertical
4	5974.7175	36.16	21.35	57.51	68.20	-10.69	Vertical

Remark: 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
11AC40	5795	Horizontal	PASS

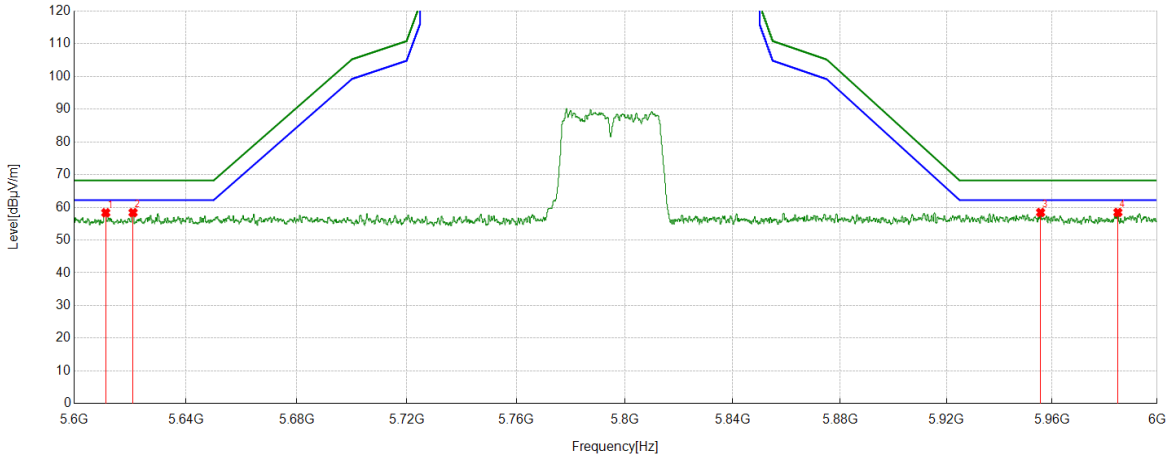


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5614.6015	36.96	20.63	57.59	68.20	-10.61	Horizontal
2	5641.6842	38.49	20.69	59.18	68.20	-9.02	Horizontal
3	5946.6347	37.85	21.39	59.24	68.20	-8.96	Horizontal
4	5980.278	36.83	21.37	58.20	68.20	-10.00	Horizontal

Remark: 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
11AC40	5795	Vertical	PASS

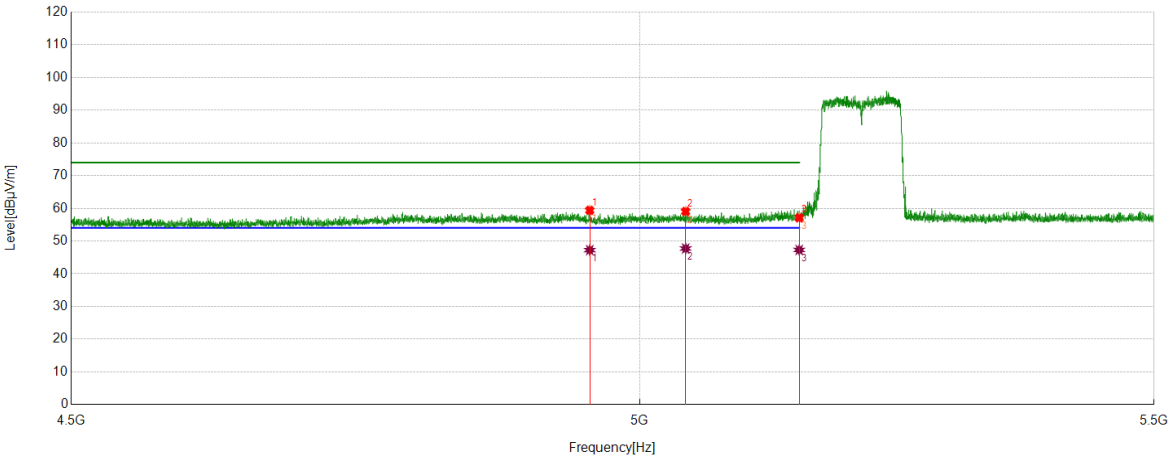


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5611.3211	37.74	20.60	58.34	68.20	-9.86	Vertical
2	5621.0821	37.67	20.71	58.38	68.20	-9.82	Vertical
3	5955.6356	37.01	21.41	58.42	68.20	-9.78	Vertical
4	5985.0385	36.99	21.45	58.44	68.20	-9.76	Vertical

Remark: 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
11AC80	5210-Left	Horizontal	PASS



PK Result:

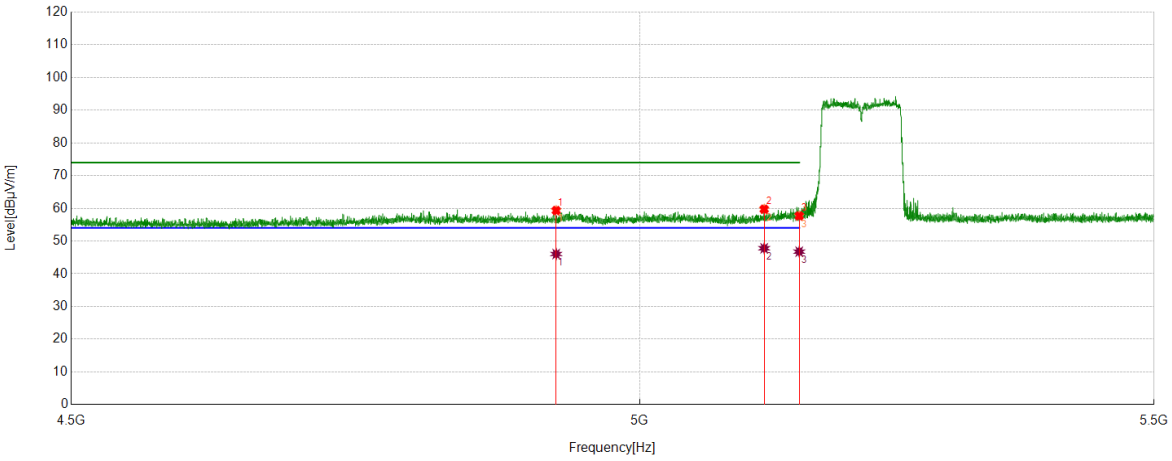
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4953.9454	39.47	19.91	59.38	74.00	-14.62	Horizontal
2	5042.7543	38.92	20.12	59.04	74.00	-14.96	Horizontal
3	5150.0000	37.65	19.46	57.11	74.00	-16.89	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4953.9454	27.32	19.91	47.23	54.00	-6.77	Horizontal
2	5042.7543	27.60	20.12	47.72	54.00	-6.28	Horizontal
3	5150.0000	27.82	19.46	47.28	54.00	-6.72	Horizontal

Remark: 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
11AC80	5210-Left	Vertical	PASS



PK Result:

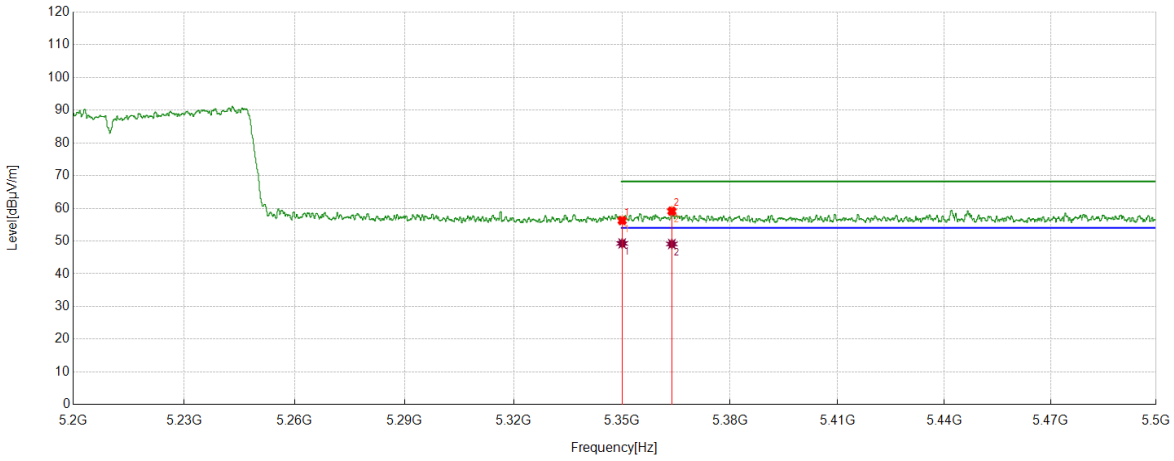
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4923.2423	39.57	19.76	59.33	74.00	-14.67	Vertical
2	5116.6617	39.47	20.26	59.73	74.00	-14.27	Vertical
3	5150.0000	38.23	19.46	57.69	74.00	-16.31	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4923.2423	26.28	19.76	46.04	54.00	-7.96	Vertical
2	5116.6617	27.53	20.26	47.79	54.00	-6.21	Vertical
3	5150.0000	27.30	19.46	46.76	54.00	-7.24	Vertical

Remark: 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
11AC80	5210-Right	Horizontal	PASS



PK Result:

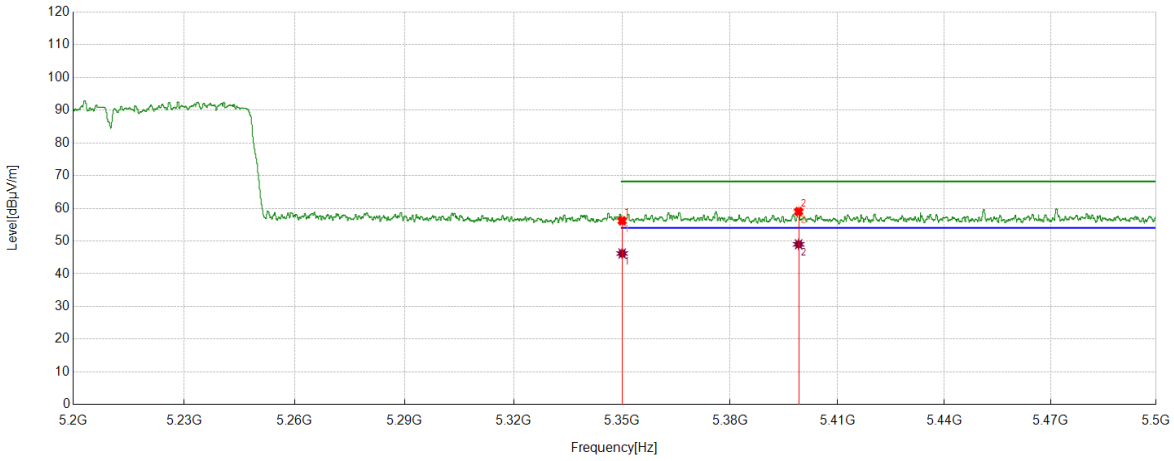
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	35.59	20.68	56.27	68.20	-11.93	Horizontal
2	5363.7864	38.53	20.61	59.14	68.20	-9.06	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	28.59	20.68	49.27	54.00	-4.73	Horizontal
2	5363.7864	28.50	20.61	49.11	54.00	-4.89	Horizontal

Remark: 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
11AC80	5210-Right	Vertical	PASS



PK Result:

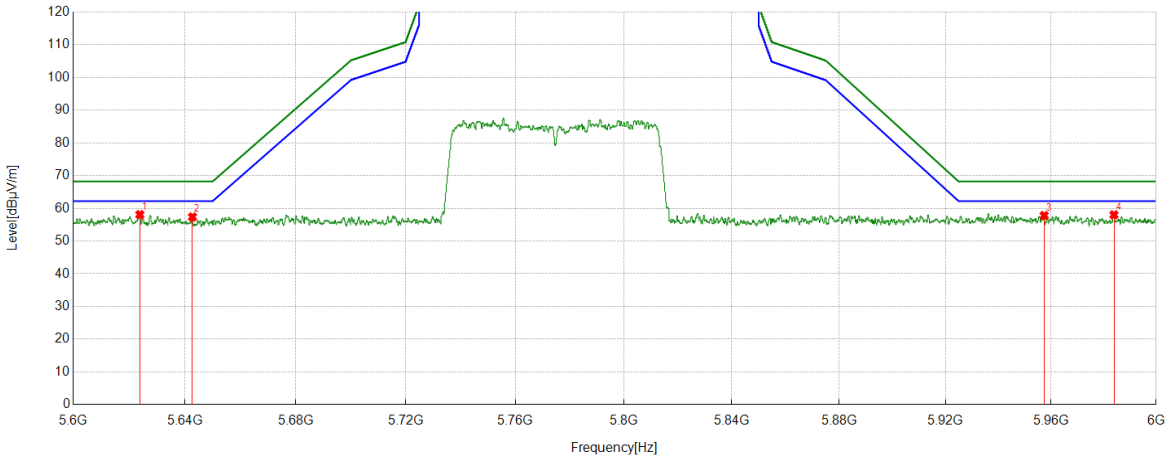
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	35.52	20.68	56.20	68.20	-12.00	Vertical
2	5399.1299	38.29	20.72	59.01	68.20	9.19	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5350.0000	25.52	20.68	46.20	54.00	-7.80	Vertical
2	5399.1299	28.29	20.72	49.01	54.00	-4.99	Vertical

Remark: 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
11AC80	5775	Horizontal	PASS

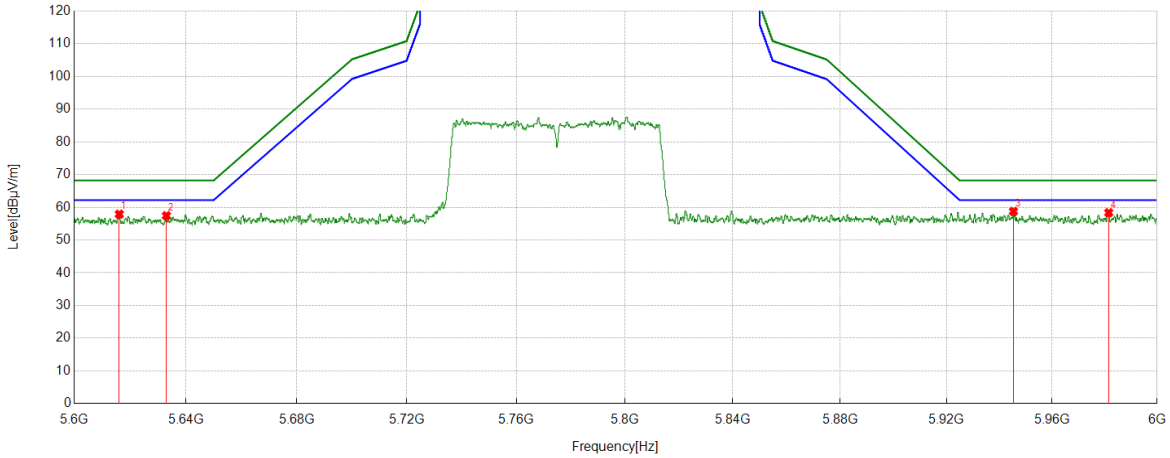


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5623.8824	37.36	20.72	58.08	68.20	-10.12	Horizontal
2	5642.7643	36.69	20.67	57.36	68.20	-10.84	Horizontal
3	5957.3957	36.36	21.43	57.79	68.20	-10.41	Horizontal
4	5983.9184	36.58	21.43	58.01	68.20	-10.19	Horizontal

Remark: 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
11AC80	5775	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	5616.1616	37.24	20.66	57.90	68.20	-10.30	Vertical
2	5633.0433	36.71	20.74	57.45	68.20	-10.75	Vertical
3	5945.3545	37.35	21.41	58.76	68.20	-9.44	Vertical
4	5981.5582	36.97	21.39	58.36	68.20	-9.84	Vertical

Remark: 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.

7.2. HARMONICS AND SPURIOUS EMISSIONS

TEST RESULT TABLE

1. For 1GHz to 8GHz part:

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

Test Mode	Channel	Puw(dBm)	Verdict
11A	5180	<Limit	PASS
	5200	<Limit	PASS
	5240	<Limit	PASS
	5745	<Limit	PASS
	5785	<Limit	PASS
	5825	<Limit	PASS
11AC20	5180	<Limit	PASS
	5200	<Limit	PASS
	5240	<Limit	PASS
	5745	<Limit	PASS
	5785	<Limit	PASS
	5825	<Limit	PASS
11AC40	5190	<Limit	PASS
	5230	<Limit	PASS
	5755	<Limit	PASS
	5795	<Limit	PASS
11AC80	5210	<Limit	PASS
	5775	<Limit	PASS

Note: Since 802.11ac VHT20/VHT40 modes are different from 802.11n HT20/HT40 only in control messages, so all the tests are performed on the worst case (802.11ac VHT20/802.11ac VHT40) mode between these 4 modes and only the worst data was recorded in this report.

2. For 8GHz to 18GHz part:

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

Test Mode	Channel	Puw(dBm)	Verdict
11A	5180	<Limit	PASS
	5200	<Limit	PASS
	5240	<Limit	PASS
	5745	<Limit	PASS
	5785	<Limit	PASS
	5825	<Limit	PASS
11AC20	5180	<Limit	PASS
	5200	<Limit	PASS
	5240	<Limit	PASS
	5745	<Limit	PASS
	5785	<Limit	PASS
	5825	<Limit	PASS
11AC40	5190	<Limit	PASS
	5230	<Limit	PASS
	5755	<Limit	PASS
	5795	<Limit	PASS
11AC80	5210	<Limit	PASS
	5775	<Limit	PASS

Note: Since 802.11ac VHT20/VHT40 modes are different from 802.11n HT20/HT40 only in control messages, so all the tests are performed on the worst case (802.11ac VHT20/802.11ac VHT40) mode between these 4 modes and only the worst data was recorded in this report.

3. For 18GHz to 26.5GHz part:

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

Test Mode	Channel	Puw(dBm)	Verdict
11A	5745	<Limit	PASS

Note: Pre-testing all test modes and channels, find the 5745 MHz of 802.11A mode of UNII-3 band which is the worst case, so only the data of this mode is included in the test report

4. For 26.5GHz to 40GHz part:

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

Test Mode	Channel	Puw(dBm)	Verdict
11A	5745	<Limit	PASS

Note: Pre-testing all test modes and channels, find the 5745 MHz of 802.11A mode of UNII-3 band which is the worst case, so only the data of this mode is included in the test report

5. For 30MHz to 1GHz part:

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

Test Mode	Channel	Puw(dBm)	Verdict
11A	5745	<Limit	PASS

Note: Pre-testing all test modes and channels, find the 5745 MHz of 802.11A mode of UNII-3 band which is the worst case, so only the data of this mode is included in the test report

6. For 9kHz~30MHz

Environment Parameter	Selected Values During Tests
Relative Humidity	56%
Atmospheric Pressure:	101kPa
Temperature	22°C

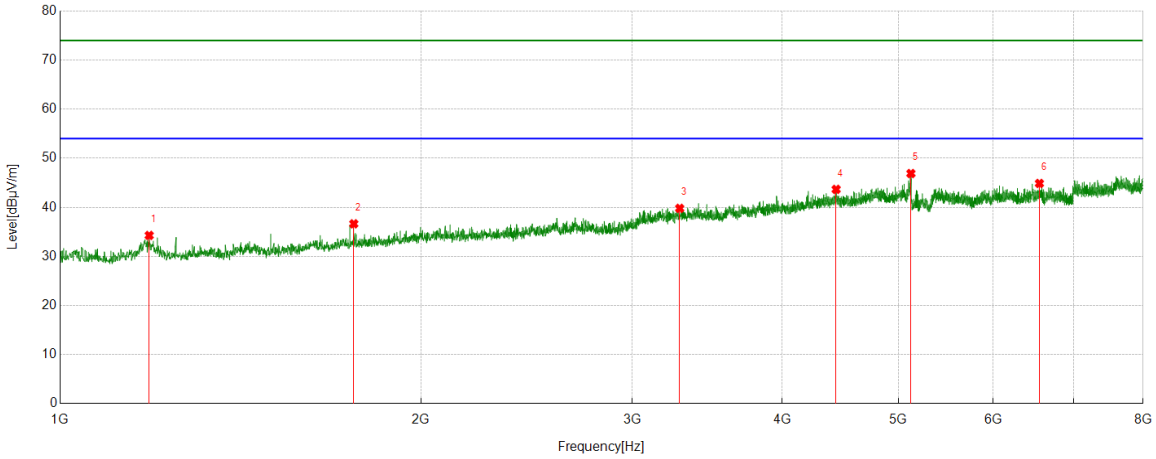
Test Mode	Channel	Puw(dBm)	Verdict
11A	5745	<Limit	PASS

Note: Pre-testing all test modes and channels, find the 5745 MHz of 802.11A mode of UNII-3 band which is the worst case, so only the data of this mode is included in the test report

TEST GRAPHS:

PART 1: 1GHz to 8GHz:

Test Mode	Channel	Polarization	Verdict
11A	5180	Horizontal	PASS

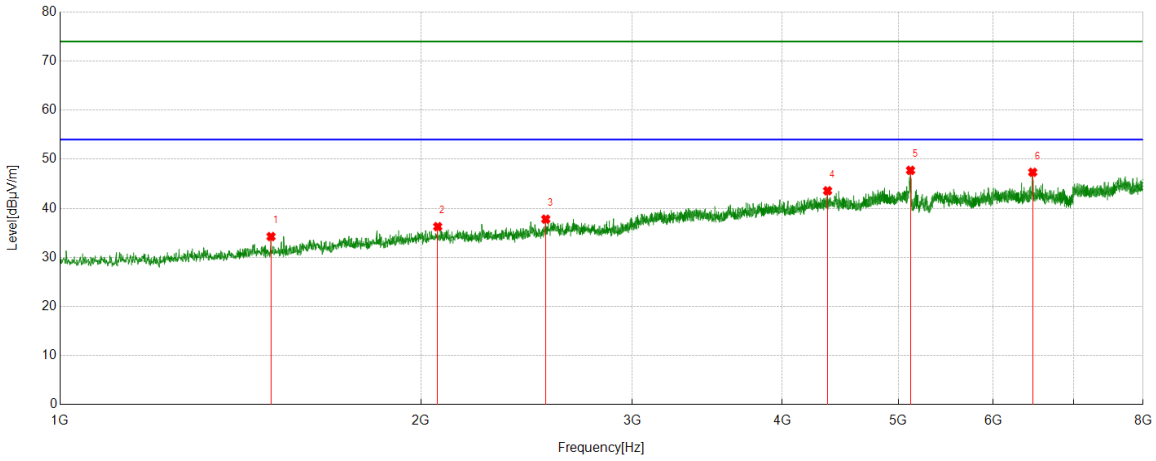


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1186.6874	55.86	-21.58	34.28	74.00	-39.72	Horizontal
2	1757.6397	54.26	-17.62	36.64	74.00	-37.36	Horizontal
3	3286.1429	48.67	-8.88	39.79	74.00	-34.21	Horizontal
4	4437.3819	48.08	-4.42	43.66	74.00	-30.34	Horizontal
5	5122.6803	49.06	-2.17	46.89	74.00	-27.11	Horizontal
6	6556.284	44.88	-0.01	44.87	74.00	-29.13	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were 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.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

Test Mode	Channel	Polarization	Verdict
11A	5180	Vertical	PASS

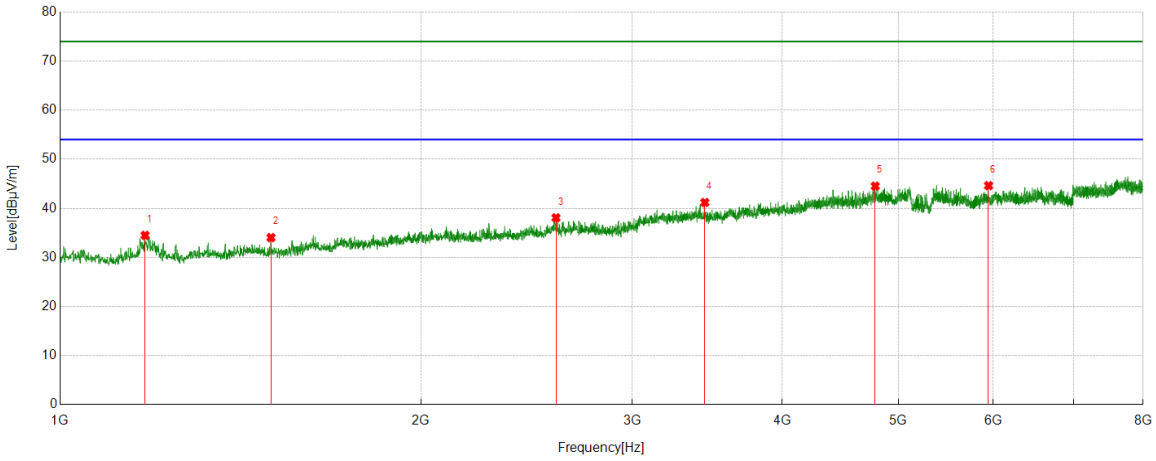


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1499.3888	53.77	-19.52	34.25	74.00	-39.75	Vertical
2	2064.8961	52.08	-15.81	36.27	74.00	-37.73	Vertical
3	2540.949	51.01	-13.22	37.79	74.00	-36.21	Vertical
4	4365.0406	48.49	-4.92	43.57	74.00	-30.43	Vertical
5	5118.791	49.88	-2.14	47.74	74.00	-26.26	Vertical
6	6472.2747	47.47	-0.12	47.35	74.00	-26.65	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were 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.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

Test Mode	Channel	Polarization	Verdict
11A	5200	Horizontal	PASS

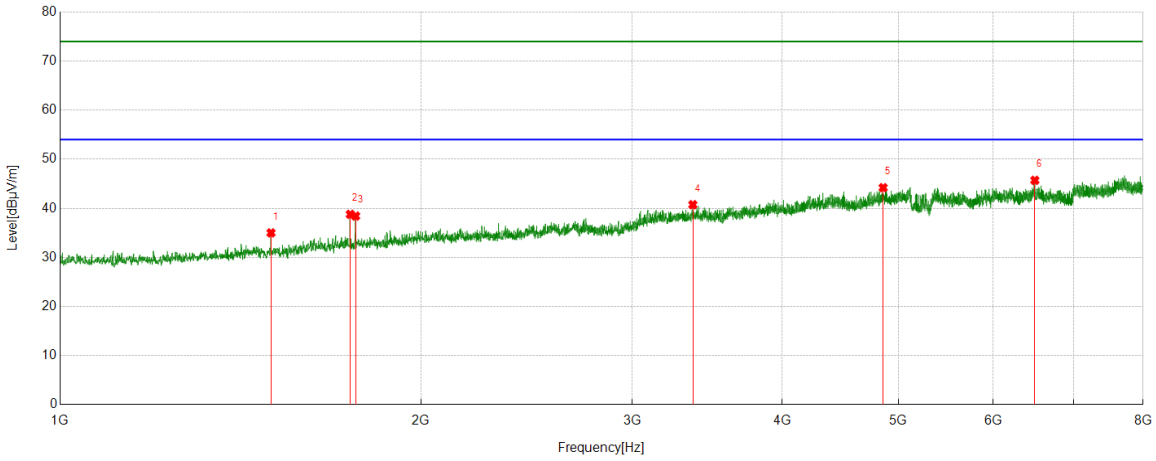


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1177.353	55.97	-21.47	34.50	74.00	-39.50	Horizontal
2	1499.3888	53.56	-19.52	34.04	74.00	-39.96	Horizontal
3	2591.5102	51.17	-13.10	38.07	74.00	-35.93	Horizontal
4	3448.7165	49.84	-8.65	41.19	74.00	-32.81	Horizontal
5	4783.5315	47.35	-2.83	44.52	74.00	-29.48	Horizontal
6	5945.6606	45.98	-1.35	44.63	74.00	-29.37	Horizontal

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were 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.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

Test Mode	Channel	Polarization	Verdict
11A	5200	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1499.3888	54.52	-19.52	35.00	74.00	-39.00	Vertical
2	1745.9718	56.41	-17.63	38.78	74.00	-35.22	Vertical
3	1763.8627	56.08	-17.65	38.43	74.00	-35.57	Vertical
4	3370.1522	49.76	-9.02	40.74	74.00	-33.26	Vertical
5	4856.6507	47.05	-2.84	44.21	74.00	-29.79	Vertical
6	6498.7221	46.35	-0.64	45.71	74.00	-28.29	Vertical

Remark: 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. AVG: VBW refer to section 6.2.
6. For below 6.5GHz part, filter losses were only considered in the spurious frequency bands and the authorized band were 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.
8. Since the non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.