Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 28.1 C

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		49.2730	29.96	-6.34	23.62	40.00	-16.38	QP			
2		57.1914	29.60	-6.23	23.37	40.00	-16.63	QP			
3		122.2431	30.65	-8.48	22.17	43.50	-21.33	QP			
4		255.5111	28.44	-5.19	23.25	46.00	-22.75	QP			
5		444.6565	33.37	0.14	33.51	46.00	-12.49	QP			
6	*	847.6846	29.81	9.01	38.82	46.00	-7.18	QP			

Antenna 2

Test mode:	802.11a	Frequency(MHz):	5180

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5380.463	V	45.10	-50.13	-27	-23.13
11026.58	V	57.24	-37.99	-27	-10.99
17836.86	V	68.50	-27.27	-27	-0.27
6400.277	H	46.69	-48.54	-27	-21.54
11242.20	H	57.83	-37.4	-27	-10.4
17880.73	H	68.16	-27.07	-27	-0.07

Test mode:	802.11a	Frequency(MHz):	5200

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5124.698	V	43.10	-52.13	-27	-25.13
11222.72	V	58.14	-37.09	-27	-10.09
18000.00	V	69.69	-27.46	-27	-0.46
5845.827	H	45.77	-49.46	-27	-22.46
11039.34	H	58.20	-37.03	-27	-10.03
18000.00	H	68.93	-27.7	-27	-0.7

Test mode:	802.11a	Frequency(MHz):	5240

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5614.808	V	45.69	-49.54	-27	-22.54
10717.08	V	57.91	-37.32	-27	-10.32
17891.07	V	68.83	-27.6	-27	-0.6
5269.649	H	44.80	-50.43	-27	-23.43
11031.36	H	57.19	-38.04	-27	-11.04
17963.61	H	69.49	-27.26	-27	-0.26

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Frequency: 5180					
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5380.463	V	45.10	74.00	-28.90	peak
5380.463	V	28.03	54.00	-25.97	AVG
11026.58	V	57.24	74.00	-16.76	peak
11026.58	V	40.28	54.00	-13.72	AVG
17836.86	V	68.50	74.00	-5.50	peak
17836.86	V	50.15	54.00	-3.85	AVG
6400.277	H	46.69	74.00	-27.31	peak
6400.277	H	28.75	54.00	-25.25	AVG
11242.20	H	57.83	74.00	-16.17	peak
11242.20	H	39.88	54.00	-14.12	AVG
17880.73	H	71.16	74.00	-2.84	peak
17880.73	H	51.15	54.00	-2.85	AVG

Frequency: 5200					
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5124.698	V	43.10	74.00	-30.90	peak
5124.698	V	25.33	54.00	-28.67	AVG
11222.72	V	58.14	74.00	-15.86	peak
11222.72	V	40.46	54.00	-13.54	AVG
18000.00	V	69.69	74.00	-4.31	peak
18000	V	50.36	54.00	-3.64	AVG
5845.827	H	45.77	74.00	-28.23	peak
5845.827	H	28.66	54.00	-25.34	AVG
11039.34	H	58.20	74.00	-15.80	peak
11039.34	H	40.89	54.00	-13.11	AVG
18000.00	H	68.93	74.00	-5.07	peak
18000	H	50.38	54.00	-3.62	AVG

Frequency: 5240					
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5614.808	V	45.69	74.00	-28.31	peak
5614.808	V	28.64	54.00	-25.36	AVG
10717.08	V	57.91	74.00	-16.09	peak
10717.08	V	40.28	54.00	-13.72	AVG
17891.07	V	68.83	74.00	-5.17	peak
17891.07	V	50.35	54.00	-3.65	AVG
5269.649	H	44.80	74.00	-29.20	peak
5269.649	H	26.43	54.00	-27.57	AVG
11031.36	H	57.19	74.00	-16.81	peak
11031.36	H	40.61	54.00	-13.39	AVG
17963.61	H	69.49	74.00	-4.51	peak
17963.61	H	50.79	54.00	-3.21	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode:	802.11a	Frequency(MHz):	5180		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5138.788	H	59.50	-35.73	-27	Pass
5138.203	V	59.70	-35.53	-27	Pass

Test mode:	802.11a	Frequency(MHz):	5240		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5356.523	H	60.86	-34.37	-27	Pass
5351.276	V	61.34	-33.89	-27	Pass

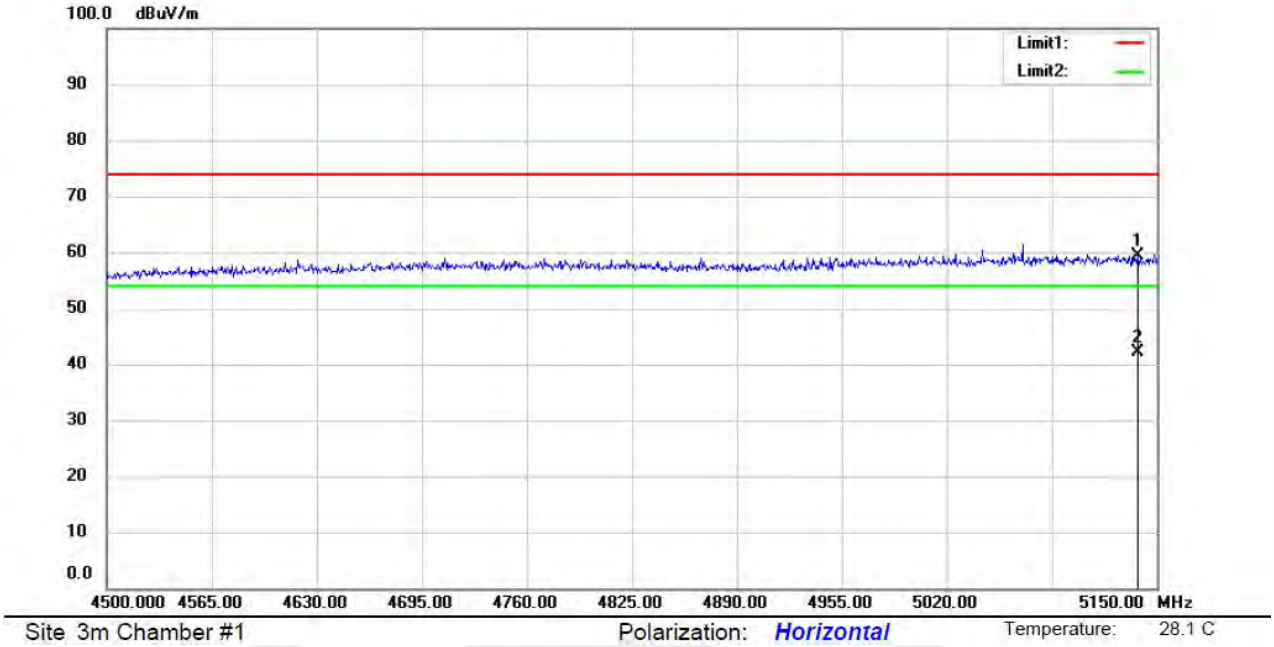
Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Test mode:	802.11a	Frequency(MHz):	5180		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5138.203	V	59.70	74.00	-14.30	peak
5138.203	V	41.38	54.00	-12.62	AVG
5138.788	H	59.50	74.00	-14.50	peak
5138.788	H	42.18	54.00	-11.82	AVG

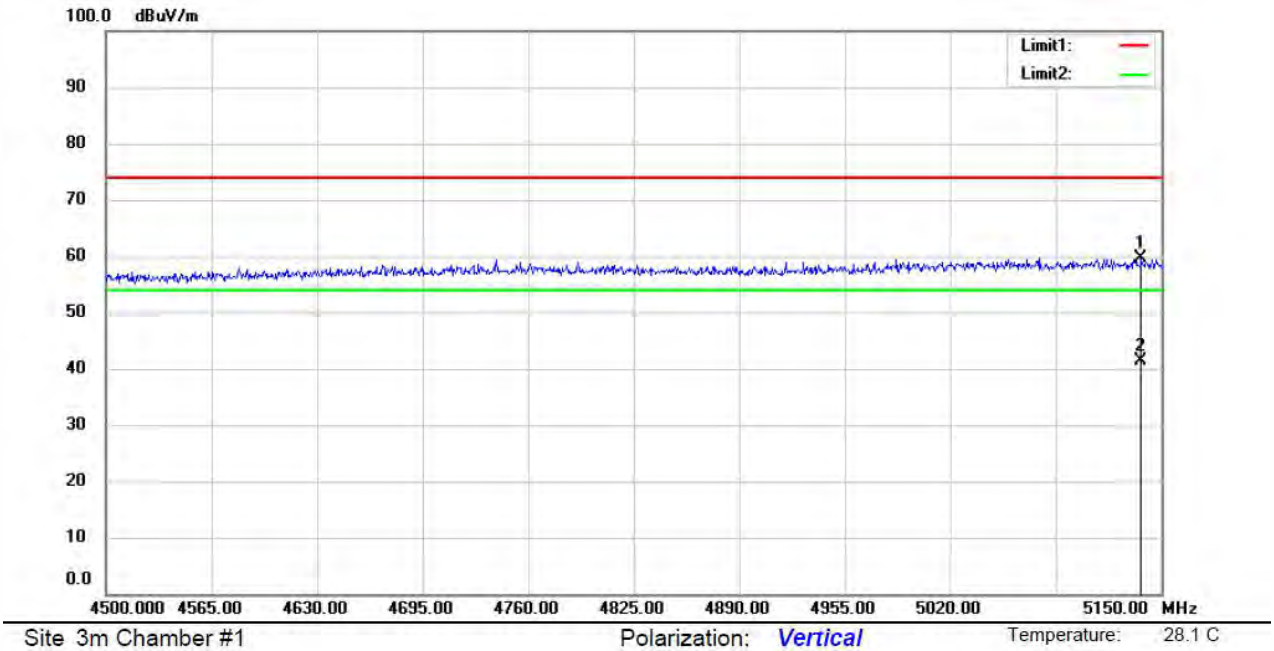
Test mode:	802.11a	Frequency(MHz):	5240		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5351.276	V	61.34	74.00	-12.66	peak
5351.276	V	42.96	54.00	-11.04	AVG
5356.523	H	60.86	74.00	-13.14	peak
5356.523	H	42.71	54.00	-11.29	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

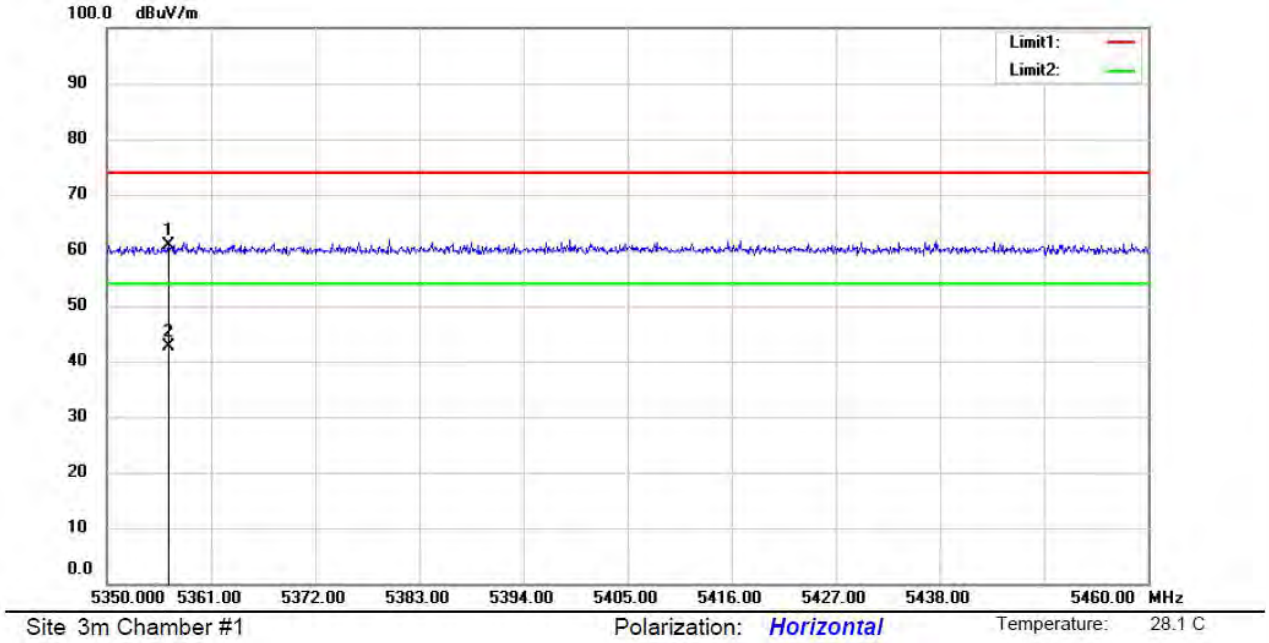
Test Model	U-NII - 1				
	Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz)				
	☒ 802.11a	☐ 802.11n(HT20)		☐ 802.11n(HT40)	
	☒ 5180	☐ 5200	☐ 5240	Ant.Pol	H



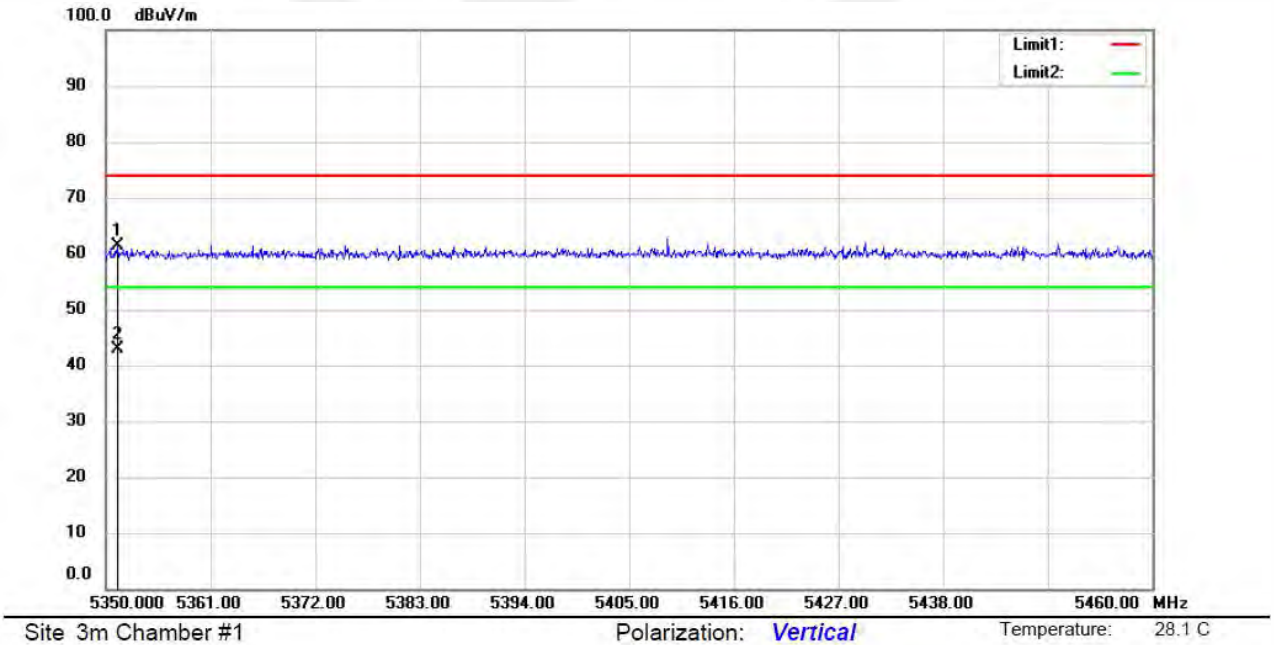
Test Model	U-NII - 1				
	Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz)				
	☒ 802.11a	☐ 802.11n(HT20)		☐ 802.11n(HT40)	
	☒ 5180	☐ 5200	☐ 5240	Ant.Pol	V



Test Model	U-NII - 1 Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)
	☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11n(HT40)
	☐ 5180 ☐ 5200 ☒ 5240 Ant.Pol H



Test Model	U-NII - 1 Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)
	☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11n(HT40)
	☐ 5180 ☐ 5200 ☒ 5240 Ant.Pol V



■ ☒For Undesirable radiated Spurious Emission in U-NII -2A
All the modes 802.11a/n/ac has been tested and the worst result 802.11a recorded as below:
: ☒Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

Test mode: 802.11a Frequency(MHz): 5260

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
6345.019	V	47.21	-48.02	-27	-21.02
11130.65	V	56.20	-39.03	-27	-12.03
17937.67	V	70.16	-27.93	-27	-0.93
6111.030	H	47.20	-48.03	-27	-21.03
10520.65	H	57.16	-38.07	-27	-11.07
17885.90	H	70.02	-27.79	-27	-0.79

Test mode: 802.11a Frequency(MHz): 5280

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5434.384	V	45.29	-49.94	-27	-22.94
10506.98	V	56.56	-38.67	-27	-11.67
17950.64	V	69.17	-27.94	-27	-0.94
5195.542	H	45.16	-50.07	-27	-23.07
10904.56	H	56.99	-38.24	-27	-11.24
17989.59	H	69.38	-27.15	-27	-0.15

Test mode: 802.11a Frequency(MHz): 5320

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5985.169	V	45.63	-49.6	-27	-22.6
10365.21	V	55.75	-39.48	-27	-12.48
17854.91	V	68.96	-27.73	-27	-0.73
6058.269	H	45.82	-49.41	-27	-22.41
11069.69	H	57.10	-38.13	-27	-11.13
17968.81	H	69.08	-27.85	-27	-0.85

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Frequency: 802.11a		Frequency(MHz): 5260			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
6345.019	V	47.21	74.00	-26.79	peak
6345.019	V	29.83	54.00	-24.17	AVG
11130.65	V	56.20	74.00	-17.80	peak
11130.65	V	38.65	54.00	-15.35	AVG
17937.67	V	70.16	74.00	-3.84	peak
17937.67	V	50.96	54.00	-3.04	AVG
6111.030	H	47.20	74.00	-26.80	peak
6111.030	H	30.96	54.00	-23.04	AVG
10520.65	H	57.16	74.00	-16.84	peak
10520.65	H	40.32	54.00	-13.68	AVG
17885.90	H	70.02	74.00	-3.98	peak
17885.9	H	50.96	54.00	-3.04	AVG

Frequency: 802.11a		Frequency(MHz): 5280			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5434.384	V	45.29	74.00	-28.71	peak
5434.384	V	28.39	54.00	-25.61	AVG
10506.98	V	56.56	74.00	-17.44	peak
10506.98	V	38.15	54.00	-15.85	AVG
17950.64	V	69.17	74.00	-4.83	peak
17950.64	V	50.28	54.00	-3.72	AVG
5195.542	H	45.16	74.00	-28.84	peak
5195.542	H	27.11	54.00	-26.89	AVG
10904.56	H	56.99	74.00	-17.01	peak
10904.56	H	38.29	54.00	-15.71	AVG
17989.59	H	69.38	74.00	-4.62	peak
17989.59	H	51.03	54.00	-2.97	AVG

Frequency: 802.11a		Frequency(MHz): 5320			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5985.169	V	45.63	74.00	-28.37	peak
5985.169	V	28.78	54.00	-25.22	AVG
10365.21	V	55.75	74.00	-18.25	peak
10365.21	V	38.68	54.00	-15.32	AVG
17854.91	V	68.96	74.00	-5.04	peak
17854.91	V	50.83	54.00	-3.17	AVG
6058.269	H	45.82	74.00	-28.18	peak
6058.269	H	28.96	54.00	-25.04	AVG
11069.69	H	57.10	74.00	-16.90	peak
11069.69	H	40.15	54.00	-13.85	AVG
17968.81	H	69.08	74.00	-4.92	peak
17968.81	H	50.82	54.00	-3.18	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode:	802.11a	Frequency(MHz):	5260		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5133.100	H	59.61	-35.62	-27	Pass
5128.810	V	59.28	-35.95	-27	Pass

Test mode:	802.11a	Frequency(MHz):	5320		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5353.624	H	60.44	-34.79	-27	Pass
5355.731	V	60.94	-34.29	-27	Pass

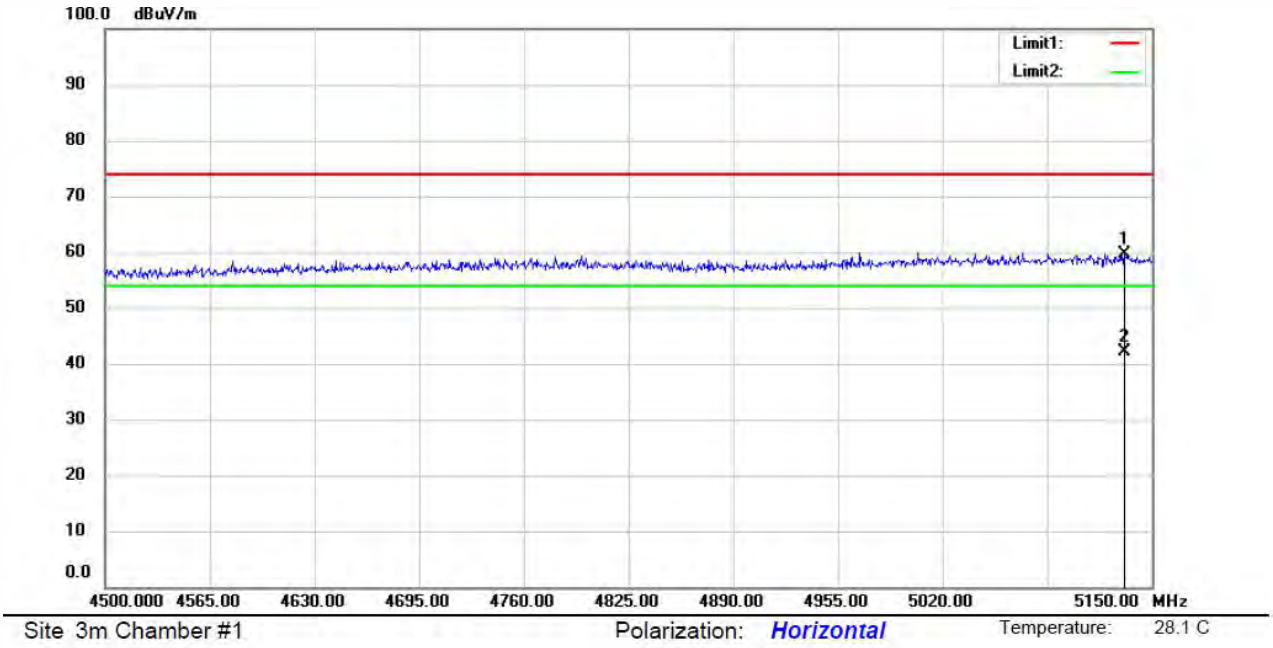
Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Test mode:	802.11a	Frequency(MHz):	5260		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5128.810	V	59.28	74.00	-14.72	peak
5128.81	V	41.22	54.00	-12.78	AVG
5133.100	H	59.61	74.00	-14.39	peak
5133.1	H	42.03	54.00	-11.97	AVG

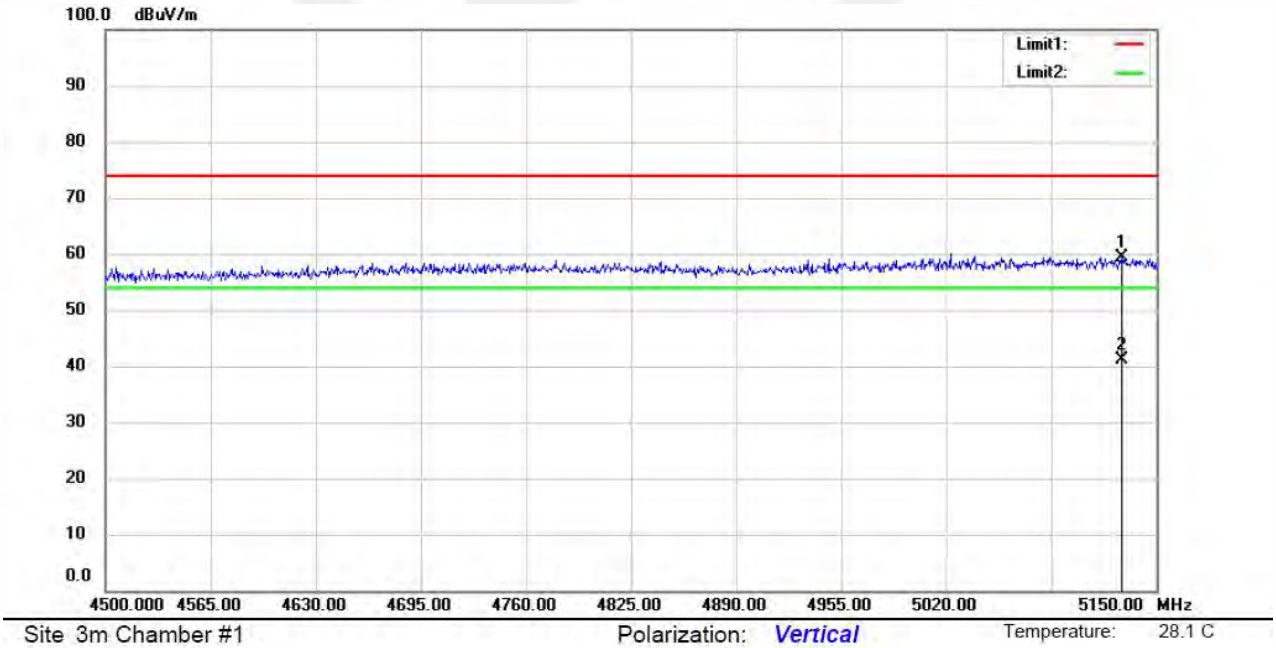
Test mode:	802.11a	Frequency(MHz):	5320		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5355.731	V	60.94	74.00	-13.06	peak
5355.731	V	42.92	54.00	-11.08	AVG
5353.624	H	60.44	74.00	-13.56	peak
5353.624	H	42.95	54.00	-11.05	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

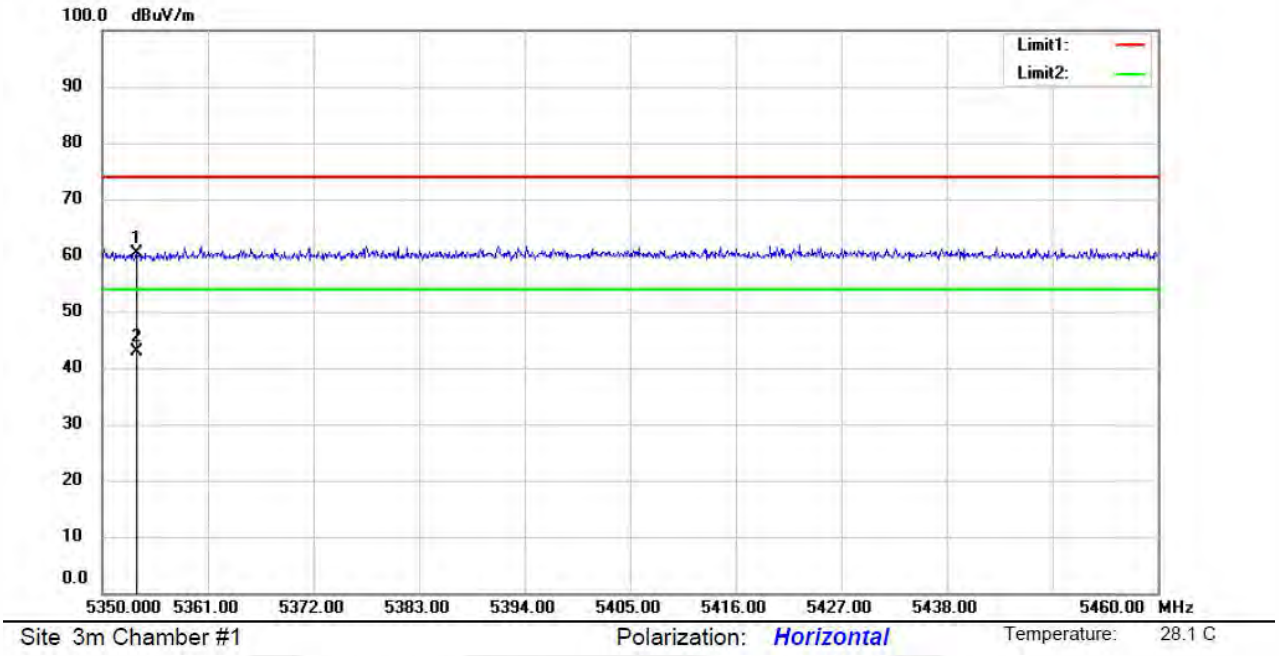
Test Model	U-NII -2A Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz) ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11 ac (VHT20) ☒ 5260 ☐ 5300 ☐ 5320 Ant.Pol H



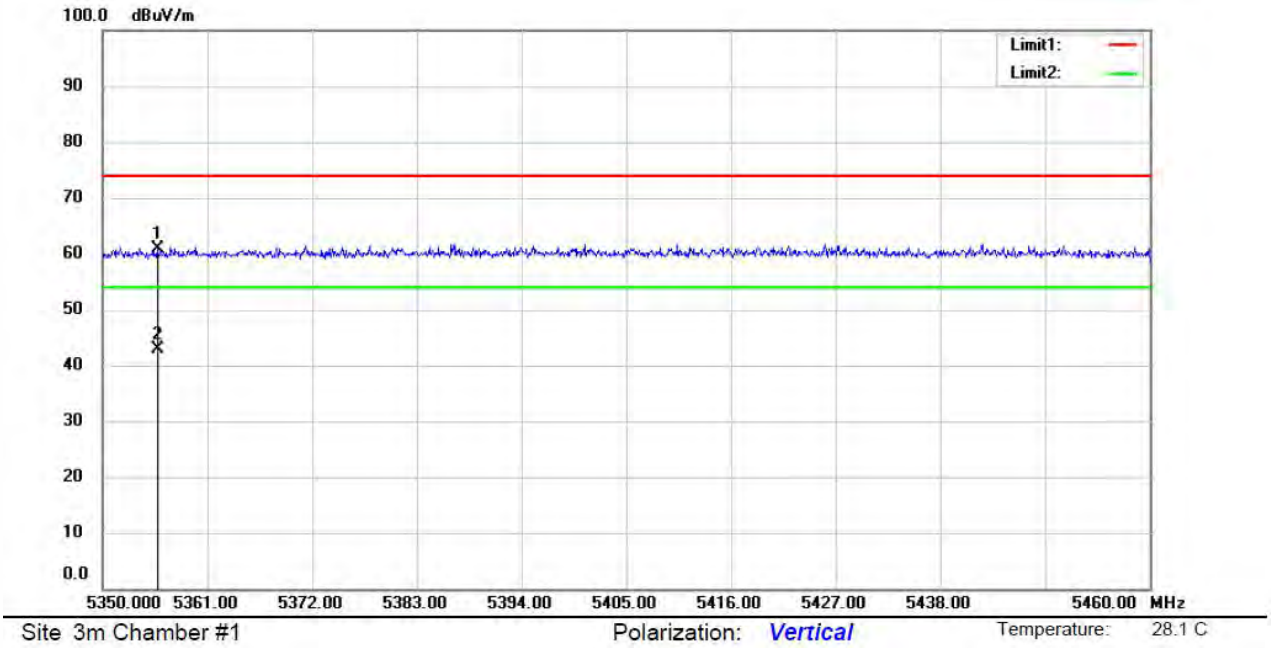
Test Model	U-NII -2A Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz) ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11 ac (VHT20) ☒ 5260 ☐ 5300 ☐ 5320 Ant.Pol V



Test Model	U-NII -2A Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)
	☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11 ac (VHT20)
	☐ 5260 ☐ 5300 ☒ 5320 Ant.Pol H



Test Model	U-NII -2A Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)
	☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11 ac (VHT20)
	☐ 5260 ☐ 5300 ☒ 5320 Ant.Pol V



■ ☒For Undesirable radiated Spurious Emission in U-NII -2C
All the modes 802.11a/n/ac has been tested and the worst result 802.11a recorded as below:
: ☒Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

Test mode: 802.11a Frequency(MHz): 5500

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5858.513	V	45.82	-49.41	-27	-22.41
10632.23	V	56.34	-38.89	-27	-11.89
17997.39	V	68.93	-27.7	-27	-0.7
6626.162	H	48.22	-47.01	-27	-20.01
11141.92	H	58.16	-37.07	-27	-10.07
17880.73	H	68.71	-27.48	-27	-0.48

Test mode: 802.11a Frequency(MHz): 5580

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5450.114	V	45.38	-49.85	-27	-22.85
9631.508	V	55.17	-40.06	-27	-13.06
17893.66	V	68.95	-27.72	-27	-0.72
5506.325	H	45.90	-49.33	-27	-22.33
10466.06	H	55.84	-39.39	-27	-12.39
17849.75	H	69.30	-27.07	-27	-0.07

Test mode: 802.11a Frequency(MHz): 5700

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5221.134	V	43.56	-51.67	-27	-24.67
9921.123	V	54.97	-40.26	-27	-13.26
17872.98	V	68.70	-27.48	-27	-0.47
5345.586	H	44.61	-50.62	-27	-23.62
10794.80	H	56.61	-38.62	-27	-11.62
17981.80	H	68.54	-27.31	-27	-0.31

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Frequency: 802.11a		Frequency(MHz): 5500			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5858.513	V	45.82	74.00	-28.18	peak
5858.513	V	28.77	54.00	-25.23	AVG
10632.23	V	56.34	74.00	-17.66	peak
10632.23	V	38.65	54.00	-15.35	AVG
17997.39	V	68.93	74.00	-5.07	peak
17997.39	V	50.28	54.00	-3.72	AVG
6626.162	H	48.22	74.00	-25.78	peak
6626.162	H	30.24	54.00	-23.76	AVG
11141.92	H	58.16	74.00	-15.84	peak
11141.92	H	40.38	54.00	-13.62	AVG
17880.73	H	68.71	74.00	-5.29	peak
17880.73	H	50.29	54.00	-3.71	AVG

Frequency: 802.11a		Frequency(MHz): 5580			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5450.114	V	45.38	74.00	-28.62	peak
5450.114	V	28.15	54.00	-25.85	AVG
9631.508	V	55.17	74.00	-18.83	peak
9631.508	V	38.29	54.00	-15.71	AVG
17893.66	V	68.95	74.00	-5.05	peak
17893.66	V	50.38	54.00	-3.62	AVG
5506.325	H	45.90	74.00	-28.10	peak
5506.325	H	28.76	54.00	-25.24	AVG
10466.06	H	55.84	74.00	-18.16	peak
10466.06	H	37.93	54.00	-16.07	AVG
17849.75	H	69.30	74.00	-4.70	peak
17849.75	H	50.22	54.00	-3.78	AVG

Frequency: 802.11a		Frequency(MHz): 5700			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5221.134	V	43.56	74.00	-30.44	peak
5221.134	V	25.39	54.00	-28.61	AVG
9921.123	V	54.97	74.00	-19.03	peak
9921.123	V	36.82	54.00	-17.18	AVG
17872.98	V	68.70	74.00	-5.30	peak
17872.98	V	50.63	54.00	-3.37	AVG
5345.586	H	44.61	74.00	-29.39	peak
5345.586	H	26.75	54.00	-27.25	AVG
10794.80	H	56.61	74.00	-17.39	peak
10794.80	H	38.52	54.00	-15.48	AVG
17981.80	H	68.54	74.00	-5.46	peak
17981.8	H	50.66	54.00	-3.34	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode:	802.11a	Frequency(MHz):	5500		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5468.248	H	61.10	-34.13	-27	Pass
5468.552	V	61.17	-34.06	-27	Pass

Test mode:	802.11a	Frequency(MHz):	5700		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5726.698	H	61.15	-34.08	-27	Pass
5727.267	V	60.41	-34.82	-27	Pass

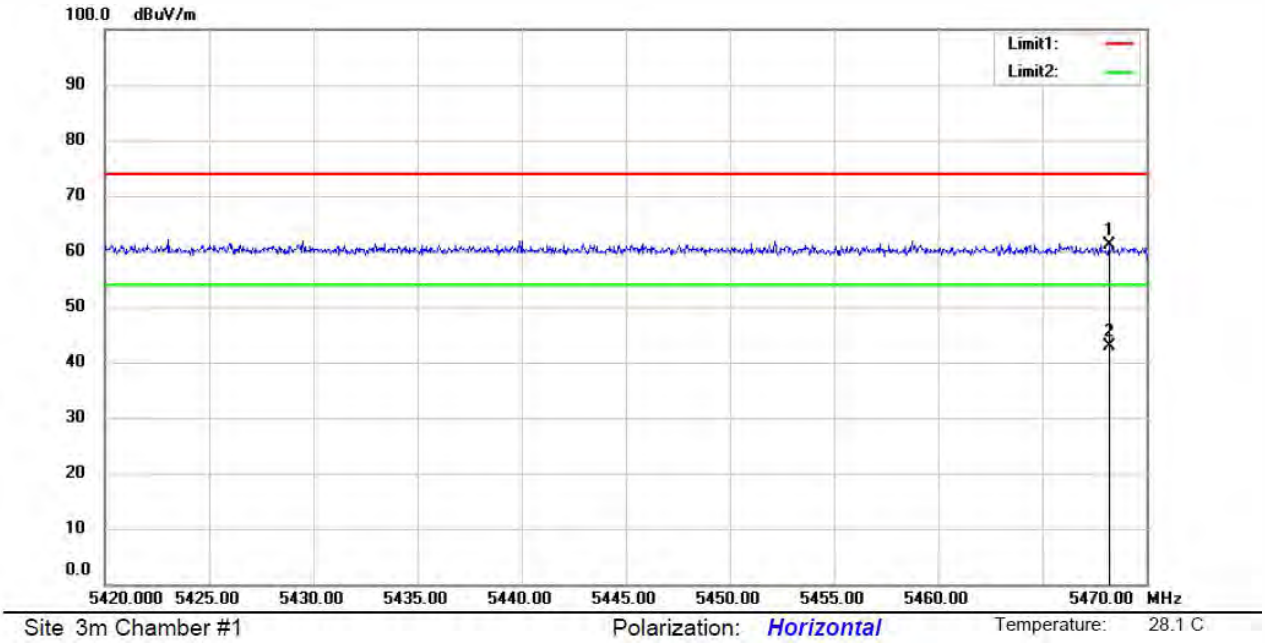
Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Test mode:	802.11a	Frequency(MHz):	5500		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5468.552	V	61.17	74.00	-12.83	peak
5468.552	V	43.15	54.00	-10.85	AVG
5468.248	H	61.10	74.00	-12.90	peak
5468.248	H	42.78	54.00	-11.22	AVG

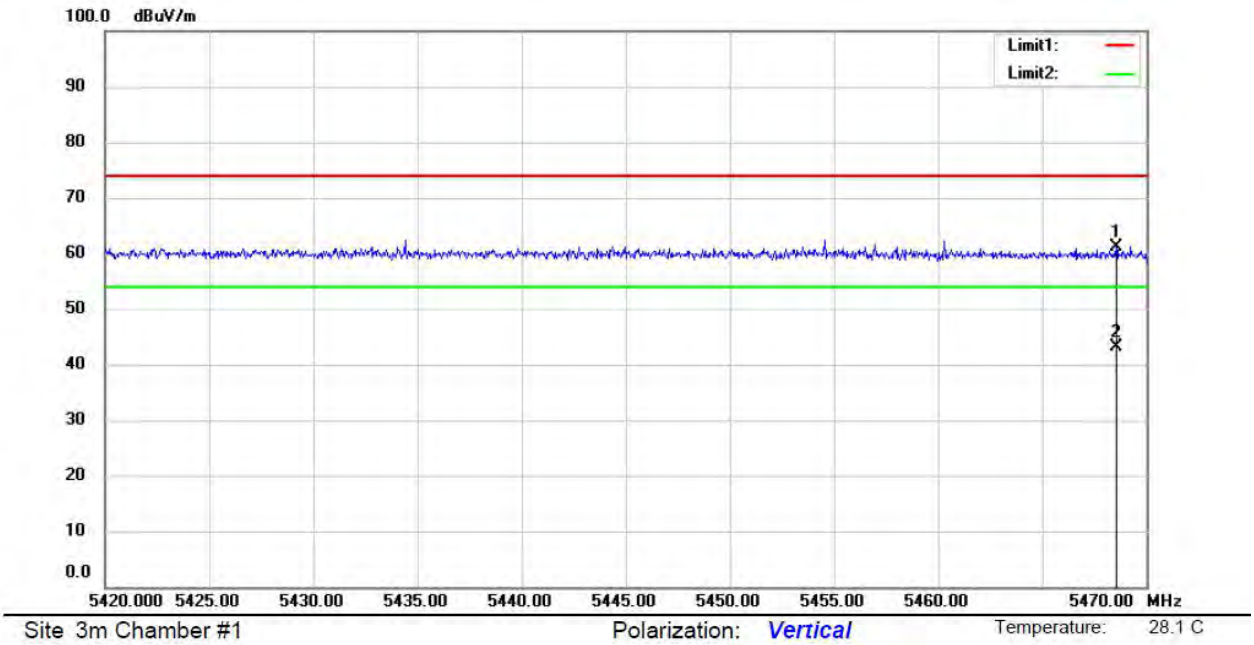
Test mode:	802.11a	Frequency(MHz):	5700		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5727.267	V	60.41	74.00	-13.59	peak
5727.267	V	42.38	54.00	-11.62	AVG
5726.698	H	61.15	74.00	-12.85	peak
5726.698	H	43.15	54.00	-10.85	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

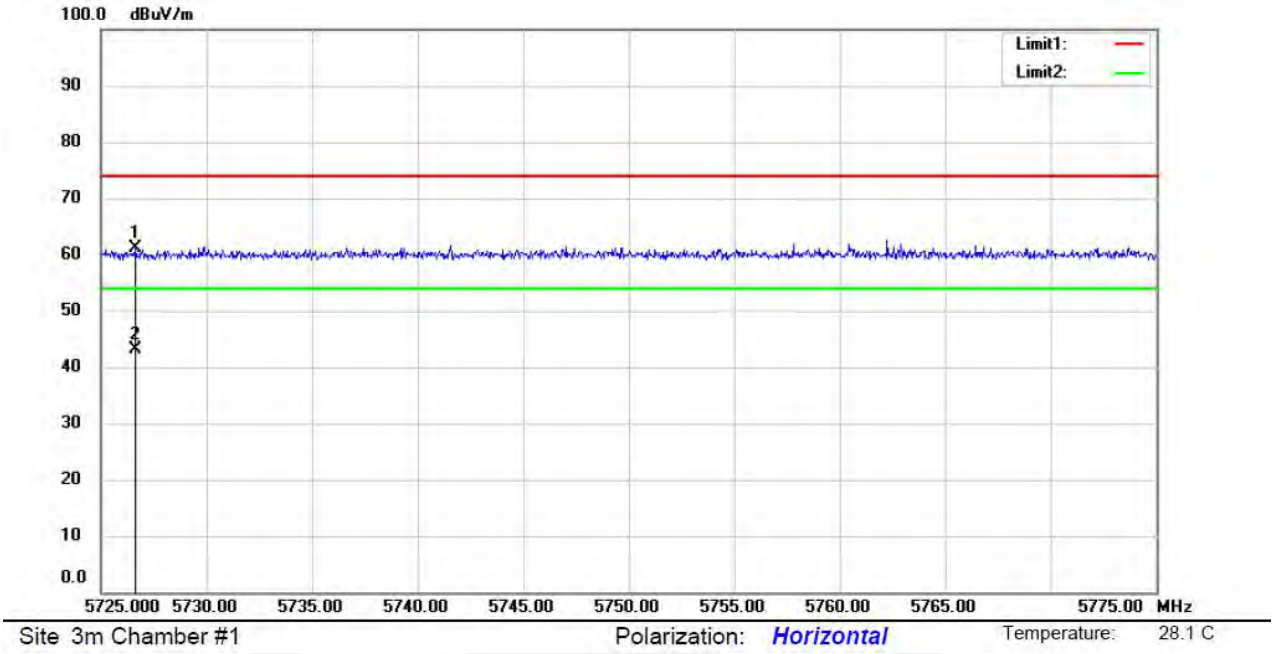
Test Model	U-NII -2C Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz) ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11 ac (VHT20) ☒ 5500 ☐ 5580 ☐ 5700 Ant.Pol H



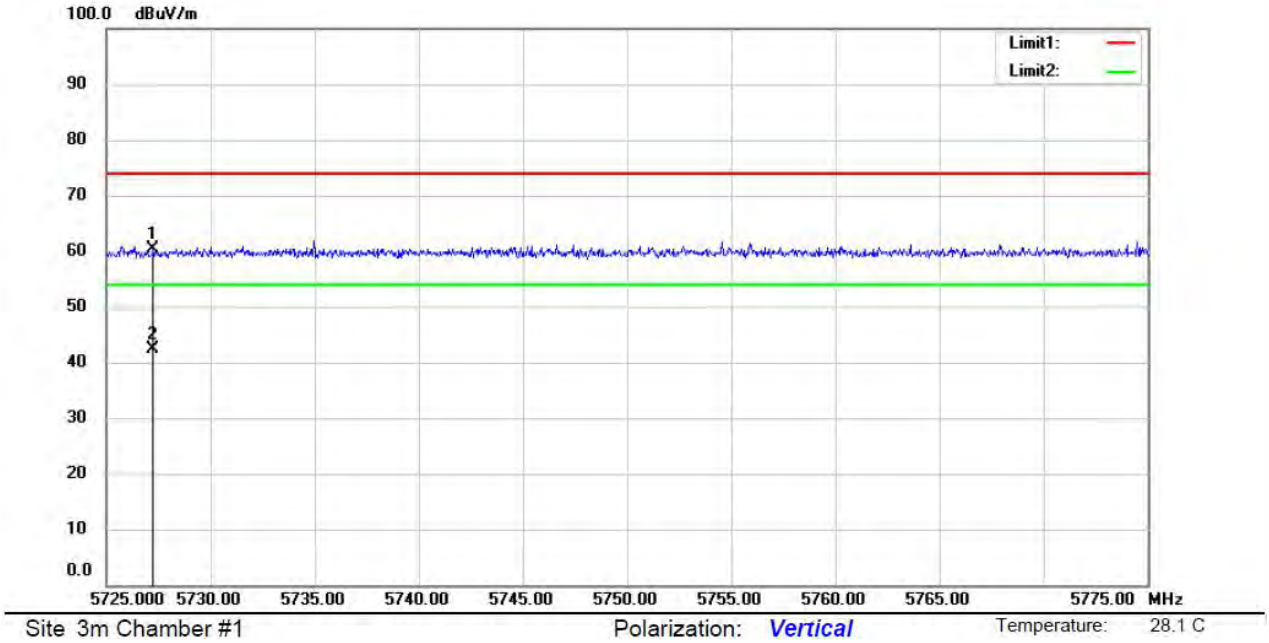
Test Model	U-NII -2C Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz) ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11 ac (VHT20) ☒ 5500 ☐ 5580 ☐ 5700 Ant.Pol V



Test Model	U-NII -2C Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)			
	☒ 802.11a	☐ 802.11n(HT20)	☐ 802.11 ac (VHT20)	
	☐ 5500	☐ 5580	☒ 5700	Ant.Pol H



Test Model	U-NII -2C Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)			
	☒ 802.11a	☐ 802.11n(HT20)	☐ 802.11 ac (VHT20)	
	☐ 5500	☐ 5580	☒ 5700	Ant.Pol V



■ ☒For Undesirable radiated Spurious Emission in U-NII -3

All the modes 802.11a/n/ac has been tested and the worst result 802.11a recorded as below:

● ☒Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

Test mode: 802.11a Frequency(MHz): 5745

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
6074.927	V	47.11	-48.12	-27	-21.12
11219.47	V	57.56	-37.67	-27	-10.67
17888.48	V	69.21	-27.98	-27	-0.98
6353.277	H	47.54	-47.69	-27	-20.69
10257.91	H	55.91	-39.32	-27	-12.32
18000.00	H	69.17	-27.94	-27	-0.94

Test mode: 802.11a Frequency(MHz): 5785

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
6032.060	V	46.97	-48.26	-27	-21.26
10506.98	V	57.25	-37.98	-27	-10.98
17989.59	V	68.83	-27.6	-27	-0.6
5818.014	H	45.98	-49.25	-27	-22.25
11255.20	H	56.82	-38.41	-27	-11.41
17862.65	H	69.07	-27.84	-27	-0.84

Test mode: 802.11a Frequency(MHz): 5825

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
6156.237	V	47.69	-47.54	-27	-20.54
9725.221	V	56.19	-39.04	-27	-12.04
17885.90	V	69.26	-27.97	-27	-0.97
5826.428	H	45.78	-49.45	-27	-22.45
9753.371	H	55.31	-39.92	-27	-12.92
17955.83	H	68.37	-27.14	-27	-0.14

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Frequency: 802.11a		Frequency(MHz): 5745			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
6074.927	V	47.11	74.00	-26.89	peak
6074.927	V	30.61	54.00	-23.39	AVG
11219.47	V	57.56	74.00	-16.44	peak
11219.47	V	40.55	54.00	-13.45	AVG
17888.48	V	69.21	74.00	-4.79	peak
17888.48	V	50.31	54.00	-3.69	AVG
6353.277	H	47.54	74.00	-26.46	peak
6353.277	H	30.19	54.00	-23.81	AVG
10257.91	H	55.91	74.00	-18.09	peak
10257.91	H	38.93	54.00	-15.07	AVG
18000.00	H	69.17	74.00	-4.83	peak
18000	H	50.78	54.00	-3.22	AVG

Frequency: 802.11a		Frequency(MHz): 5785			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
6032.060	V	46.97	74.00	-27.03	peak
6032.060	V	28.69	54.00	-25.31	AVG
10506.98	V	57.25	74.00	-16.75	peak
10506.98	V	40.11	54.00	-13.89	AVG
17989.59	V	68.83	74.00	-5.17	peak
17989.59	V	50.39	54.00	-3.61	AVG
5818.014	H	45.98	74.00	-28.02	peak
5818.014	H	28.73	54.00	-25.27	AVG
11255.20	H	56.82	74.00	-17.18	peak
11255.20	H	38.25	54.00	-15.75	AVG
17862.65	H	69.07	74.00	-4.93	peak
17862.65	H	50.26	54.00	-3.74	AVG

Frequency: 802.11a		Frequency(MHz): 5825			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
6156.237	V	47.69	74.00	-26.31	peak
6156.237	V	29.19	54.00	-24.81	AVG
9725.221	V	56.19	74.00	-17.81	peak
9725.221	V	38.00	54.00	-16.00	AVG
17885.90	V	69.26	74.00	-4.74	peak
17885.9	V	50.71	54.00	-3.29	AVG
5826.428	H	45.78	74.00	-28.22	peak
5826.428	H	28.59	54.00	-25.41	AVG
9753.371	H	55.31	74.00	-18.69	peak
9753.371	H	38.35	54.00	-15.65	AVG
17955.83	H	68.37	74.00	-5.63	peak
17955.83	H	50.03	54.00	-3.97	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

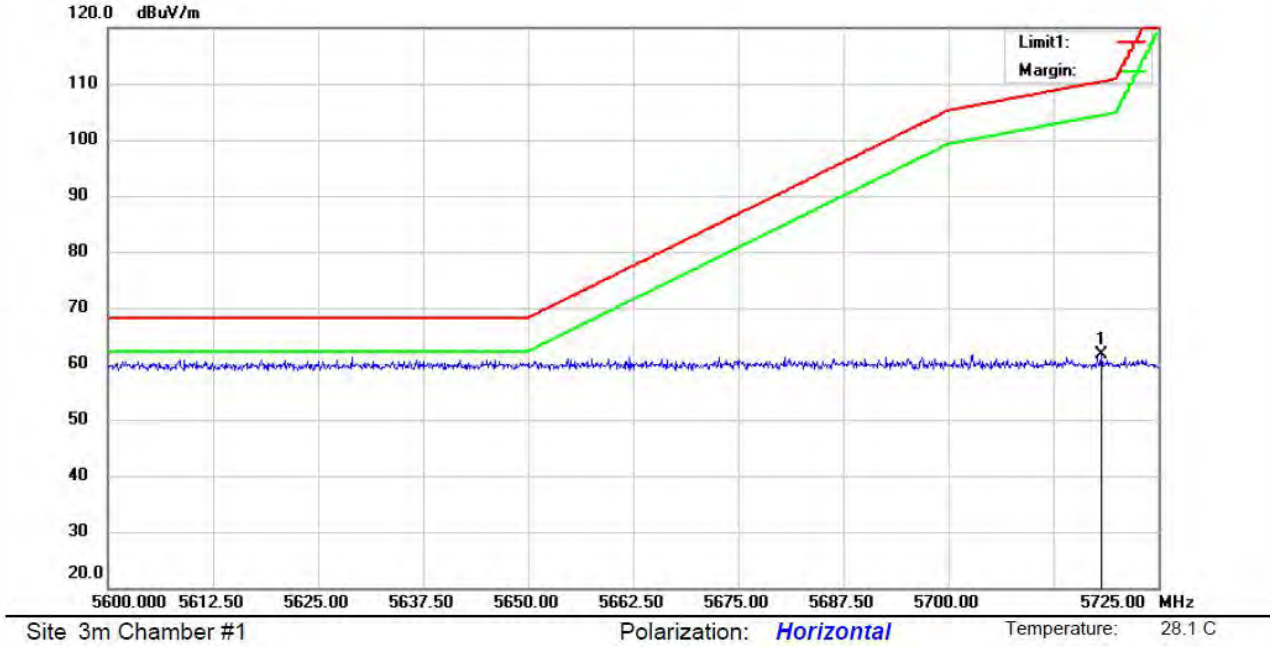
- ☒ Undesirable radiated Spurious Emission in band edge

Test mode:	802.11a	Frequency:	5745		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5718.306	H	61.52	-33.71	-27	PASS
5718.900	V	60.99	-34.24	-27	PASS

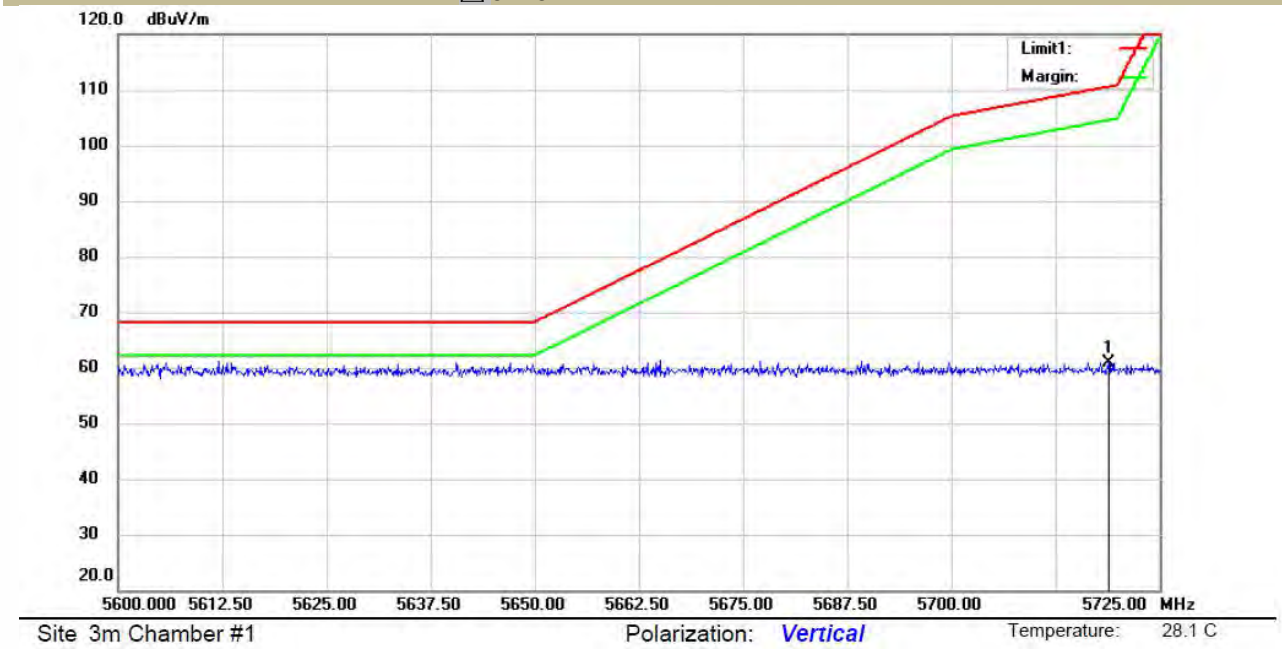
Test mode:	802.11a	Frequency:	5825		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5853.206	V	61.09	-34.14	-27	PASS
5857.725	H	60.88	-34.35	-27	PASS

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

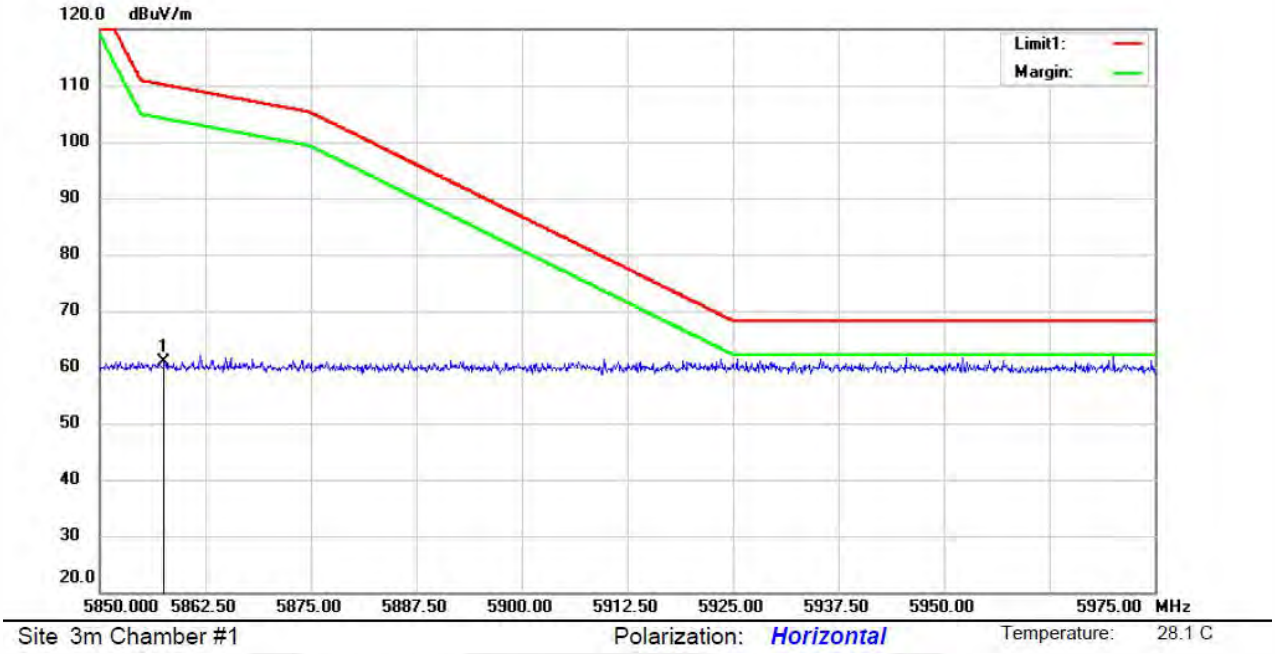
Test Model	U-NII -3 Undesirable radiated Undesirable radiated Spurious Emission in Band Edge ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11n(HT40) ☒ 5745 Ant.Pol H



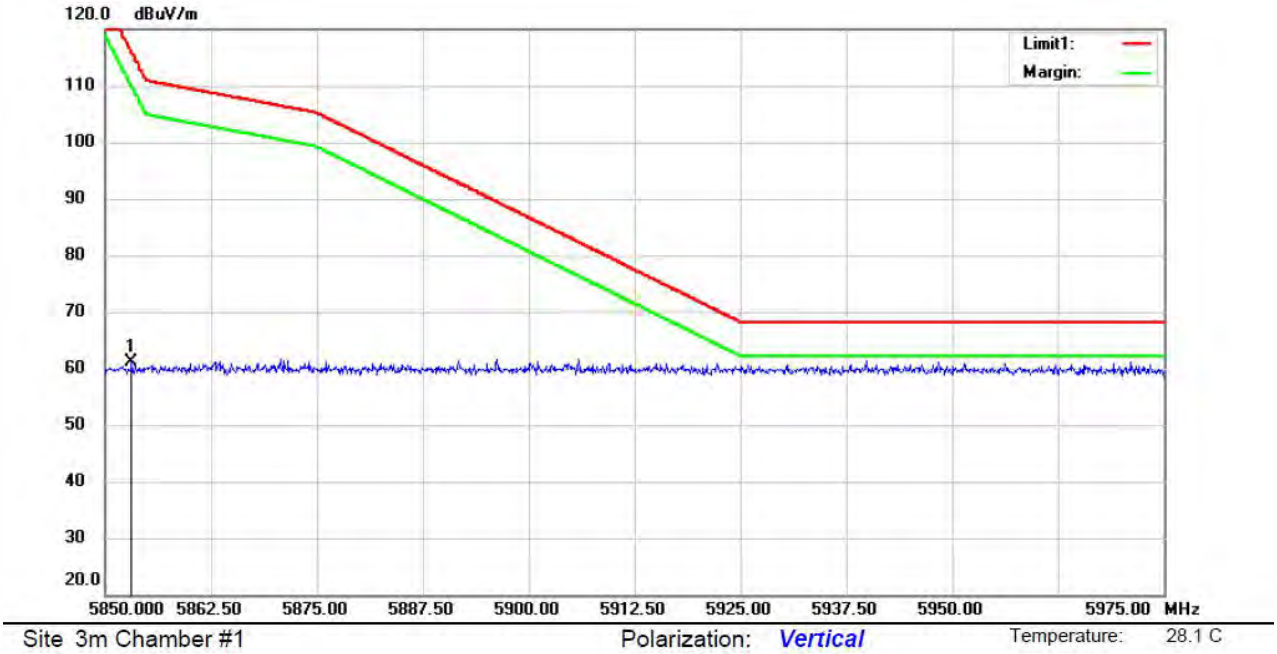
Test Model	U-NII -3 Undesirable radiated Undesirable radiated Spurious Emission in Band Edge ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11n(HT40) ☒ 5745 Ant.Pol V



Test Model	U-NII -3 Undesirable radiated Undesirable radiated Spurious Emission in Band Edge ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11n(HT40) ☒ 5825 Ant.Pol H

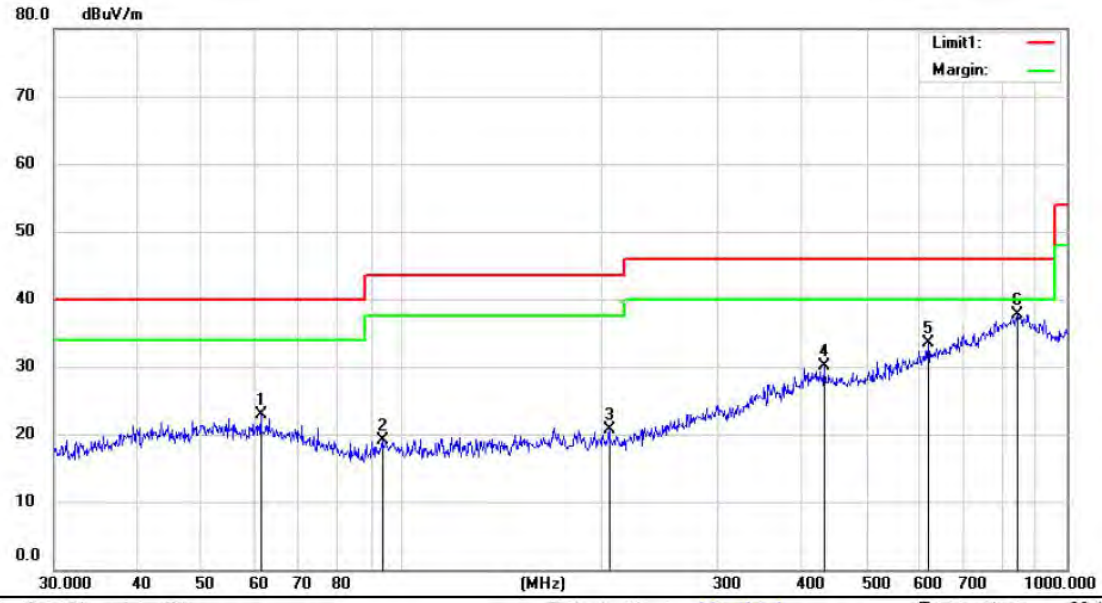


Test Model	U-NII -3 Undesirable radiated Undesirable radiated Spurious Emission in Band Edge ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11n(HT40) ☒ 5825 Ant.Pol V



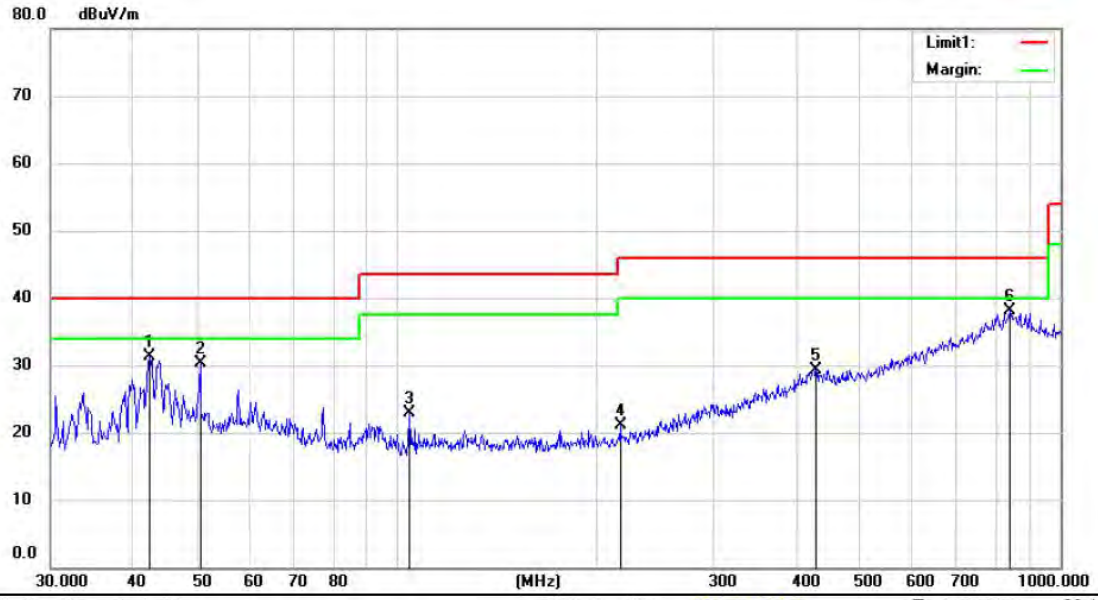
- Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)
  All modes have been tested, and the worst result recorded was report as below:

Test mode:	802.11a	Frequency(MHz):	5180



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 28.1 C

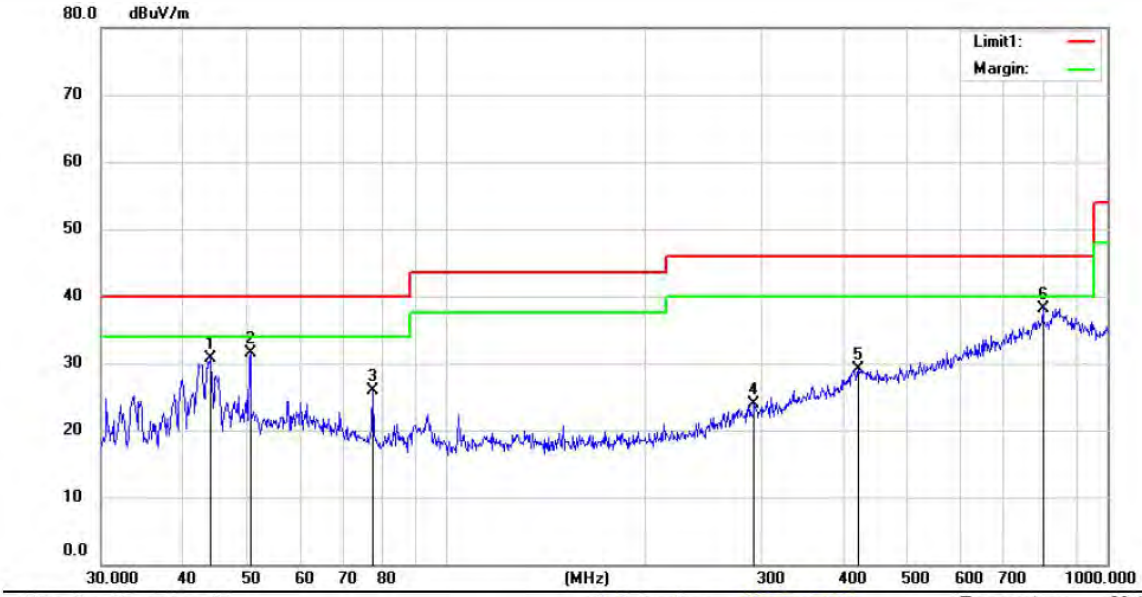
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		61.4540	29.04	-6.17	22.87	40.00	-17.13	QP			
2		93.5632	28.19	-9.04	19.15	43.50	-24.35	QP			
3		205.0450	28.58	-7.78	20.80	43.50	-22.70	QP			
4		431.4096	29.81	0.29	30.10	46.00	-15.90	QP			
5		618.8081	29.89	3.52	33.41	46.00	-12.59	QP			
6	*	844.7174	28.78	8.99	37.77	46.00	-8.23	QP			



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 28.1 C

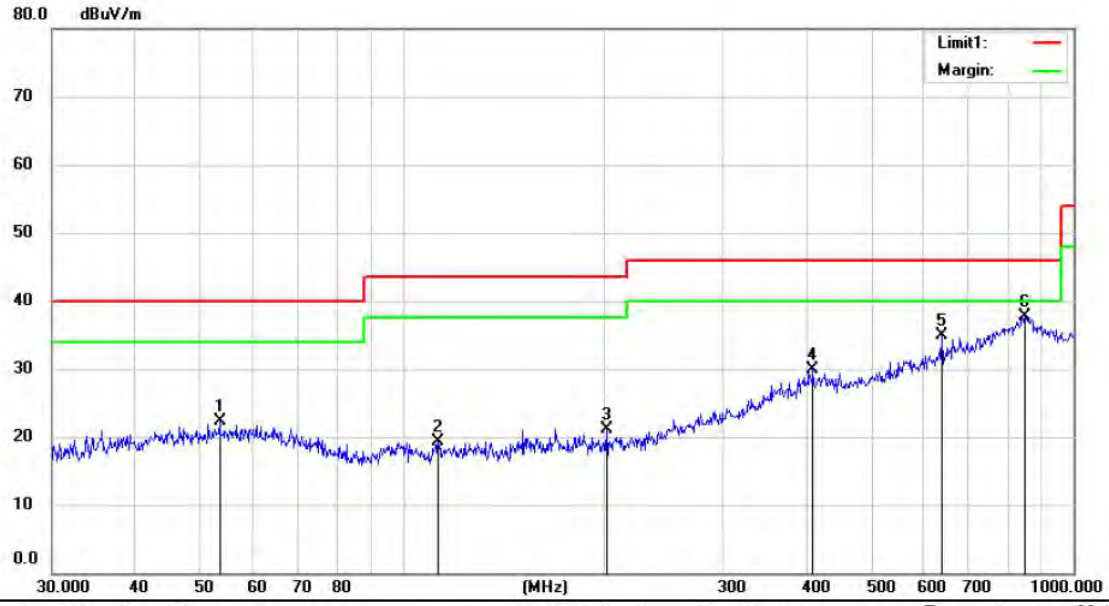
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		42.4136	38.20	-6.98	31.22	40.00	-8.78	QP			
2		50.4310	36.43	-6.11	30.32	40.00	-9.68	QP			
3		104.3987	31.41	-8.50	22.91	43.50	-20.59	QP			
4		216.9730	28.48	-7.34	21.14	46.00	-24.86	QP			
5		428.9584	28.97	0.29	29.26	46.00	-16.74	QP			
6	*	839.9178	29.10	8.96	38.06	46.00	-7.94	QP			

Test mode:	802.11a	Frequency(MHz):	5200



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 28.1 C

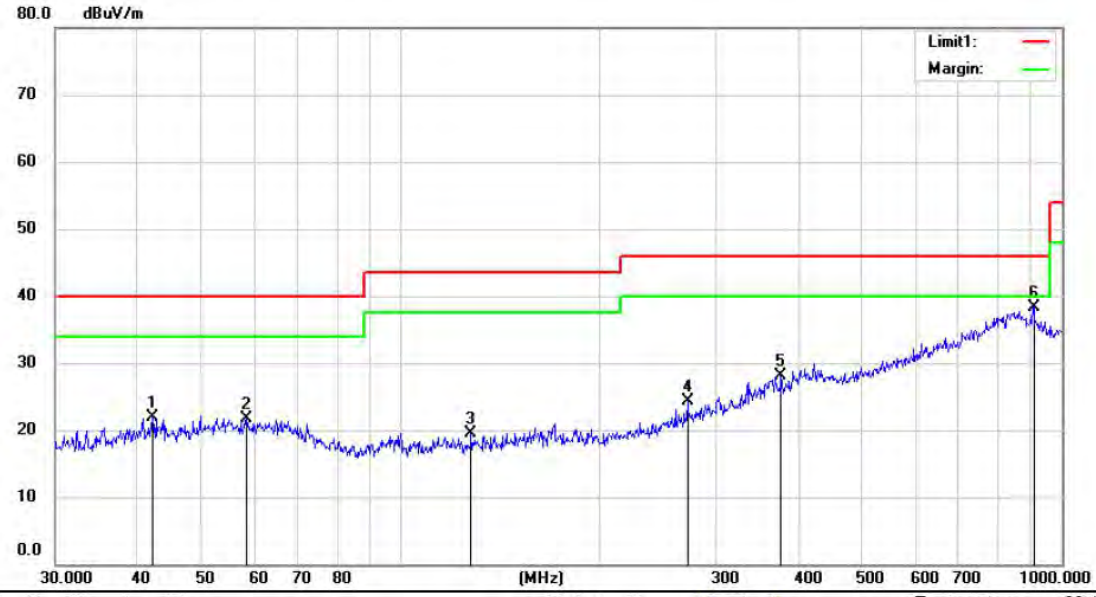
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		43.9080	37.44	-6.81	30.63	40.00	-9.37	QP			
2		50.4310	37.69	-6.11	31.58	40.00	-8.42	QP			
3		77.4570	34.52	-8.69	25.83	40.00	-14.17	QP			
4		292.5708	27.47	-3.51	23.96	46.00	-22.04	QP			
5		419.1081	29.25	-0.12	29.13	46.00	-16.87	QP			
6	*	800.7327	30.16	8.04	38.20	46.00	-7.80	QP			



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 28.1 C

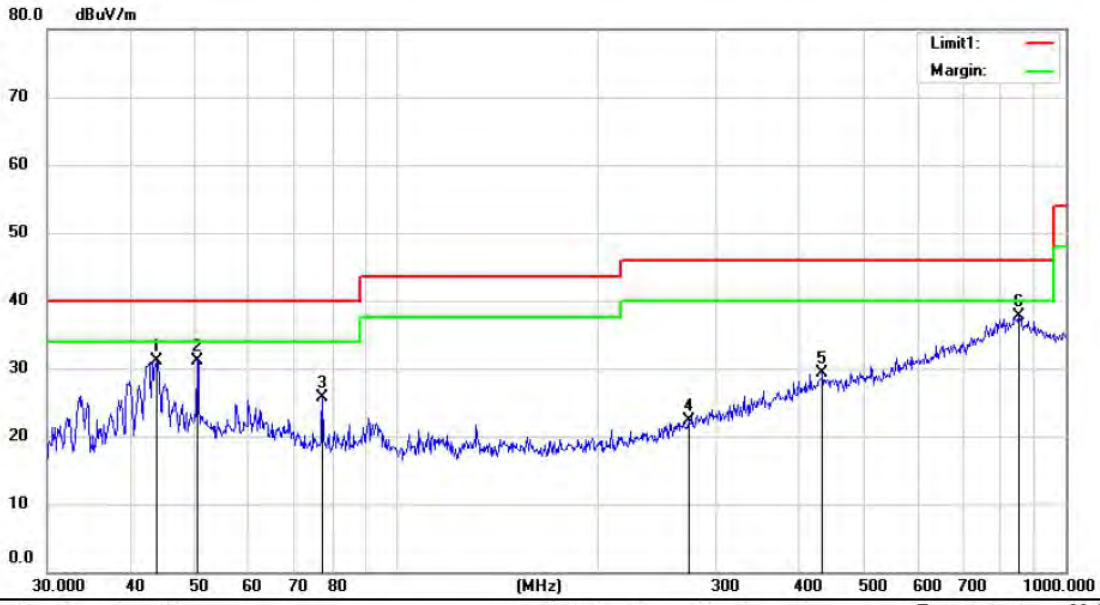
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		53.4818	28.42	-6.06	22.36	40.00	-17.64	QP			
2		113.0682	27.76	-8.50	19.26	43.50	-24.24	QP			
3		201.7463	28.75	-7.74	21.01	43.50	-22.49	QP			
4		409.8432	30.19	-0.25	29.94	46.00	-16.06	QP			
5		638.0890	31.09	3.79	34.88	46.00	-11.12	QP			
6	*	845.0878	28.79	8.99	37.78	46.00	-8.22	QP			

Test mode:	802.11a	Frequency(MHz):	5240



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 28.1 C

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		42.2096	28.90	-7.00	21.90	40.00	-18.10	QP			
2		58.4587	28.01	-6.22	21.79	40.00	-18.21	QP			
3		127.8885	27.87	-8.42	19.45	43.50	-24.05	QP			
4		271.4435	28.74	-4.42	24.32	46.00	-21.68	QP			
5		375.9385	29.38	-1.22	28.16	46.00	-17.84	QP			
6	*	906.0852	30.95	7.28	38.23	46.00	-7.77	QP			



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 28.1 C

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		43.7352	37.91	-6.84	31.07	40.00	-8.93	QP			
2		50.3868	37.25	-6.11	31.14	40.00	-8.86	QP			
3		77.4230	34.39	-8.69	25.70	40.00	-14.30	QP			
4		273.2341	26.63	-4.30	22.33	46.00	-23.67	QP			
5		433.1148	29.02	0.26	29.28	46.00	-16.72	QP			
6	*	853.2764	28.91	8.78	37.69	46.00	-8.31	QP			

Antenna 3

Test mode:	802.11a	Frequency(MHz):	5180

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
6691.600	V	51.05	-44.18	-27	-17.18
11358.15	V	58.92	-36.31	-27	-9.31
17821.40	V	69.56	-27.33	-27	-0.33
6123.407	H	48.92	-46.31	-27	-19.31
11045.72	H	58.80	-36.43	-27	-9.43
17690.53	H	70.08	-27.85	-27	-0.85

Test mode:	802.11a	Frequency(MHz):	5200

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4780.563	V	45.20	-50.03	-27	-23.03
11174.17	V	59.12	-36.11	-27	-9.11
17937.67	V	69.89	-27.66	-27	-0.66
5435.955	H	46.87	-48.36	-27	-21.36
11015.43	H	58.39	-36.84	-27	-9.84
17942.86	H	69.49	-27.26	-27	-0.26

Test mode:	802.11a	Frequency(MHz):	5240

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
6113.680	V	47.46	-47.77	-27	-20.77
10357.72	V	58.56	-36.67	-27	-9.67
17805.95	V	69.69	-27.46	-27	-0.46
5395.257	H	46.59	-48.64	-27	-21.64
11179.01	H	59.96	-35.27	-27	-8.27
17898.83	H	68.60	-27.37	-27	-0.37

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Frequency: 5180					
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
6691.600	V	51.05	74.00	-22.95	peak
6691.600	V	33.22	54.00	-20.78	AVG
11358.15	V	58.92	74.00	-15.08	peak
11358.15	V	40.88	54.00	-13.12	AVG
17821.40	V	69.56	74.00	-4.44	peak
17821.4	V	50.79	54.00	-3.21	AVG
6123.407	H	48.92	74.00	-25.08	peak
6123.407	H	30.69	54.00	-23.31	AVG
11045.72	H	58.80	74.00	-15.20	peak
11045.72	H	40.83	54.00	-13.17	AVG
17690.53	H	70.08	74.00	-3.92	peak
17690.53	H	50.99	54.00	-3.01	AVG

Frequency: 5200					
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4780.563	V	45.20	74.00	-28.80	peak
4780.563	V	28.99	54.00	-25.01	AVG
11174.17	V	59.12	74.00	-14.88	peak
11174.17	V	41.02	54.00	-12.98	AVG
17937.67	V	69.89	74.00	-4.11	peak
17937.67	V	50.83	54.00	-3.17	AVG
5435.955	H	46.87	74.00	-27.13	peak
5435.955	H	28.79	54.00	-25.21	AVG
11015.43	H	58.39	74.00	-15.61	peak
11015.43	H	40.29	54.00	-13.71	AVG
17942.86	H	69.49	74.00	-4.51	peak
17942.86	H	51.01	54.00	-2.99	AVG

Frequency: 5240					
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
6113.680	V	47.46	74.00	-26.54	peak
6113.680	V	30.37	54.00	-23.63	AVG
10357.72	V	58.56	74.00	-15.44	peak
10357.72	V	40.46	54.00	-13.54	AVG
17805.95	V	69.69	74.00	-4.31	peak
17805.95	V	50.83	54.00	-3.17	AVG
5395.257	H	46.59	74.00	-27.41	peak
5395.257	H	28.79	54.00	-25.21	AVG
11179.01	H	59.96	74.00	-14.04	peak
11179.01	H	41.03	54.00	-12.97	AVG
17898.83	H	68.60	74.00	-5.40	peak
17898.83	H	50.29	54.00	-3.71	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode:	802.11a	Frequency(MHz):	5180		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5140.640	H	61.59	-33.64	-27	Pass
5104.435	V	60.75	-34.48	-27	Pass

Test mode:	802.11a	Frequency(MHz):	5240		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5356.154	H	62.94	-32.29	-27	Pass
5358.998	V	62.64	-32.59	-27	Pass

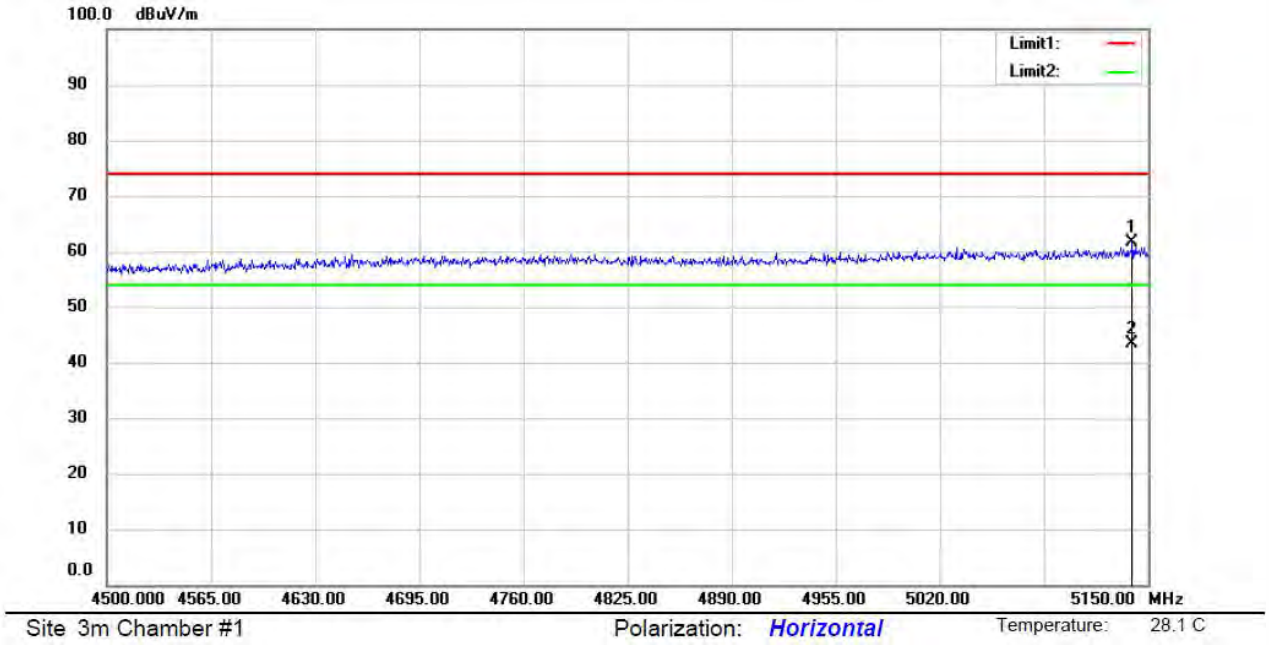
Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Test mode:	802.11a	Frequency(MHz):	5180		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5104.435	V	60.75	74.00	-13.25	peak
5104.435	V	42.73	54.00	-11.27	AVG
5140.640	H	61.59	74.00	-12.41	peak
5140.64	H	43.29	54.00	-10.71	AVG

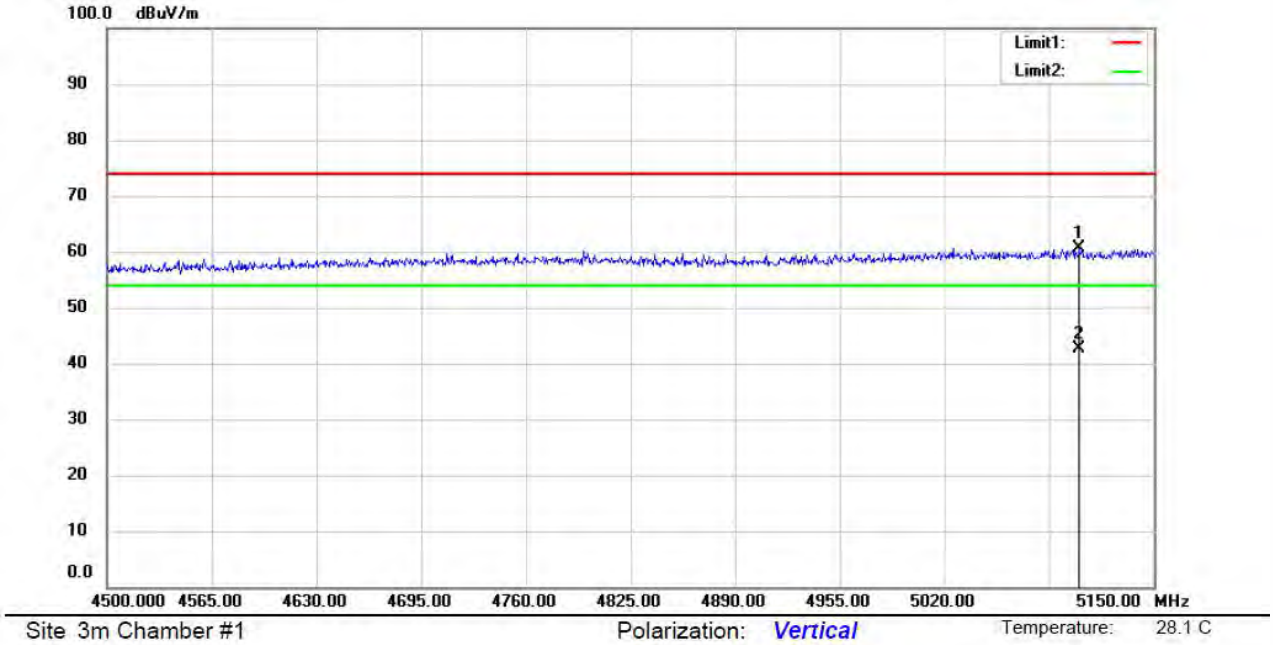
Test mode:	802.11a	Frequency(MHz):	5240		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5358.998	V	62.64	74.00	-11.36	peak
5358.998	V	46.15	54.00	-7.85	AVG
5356.154	H	62.94	74.00	-11.06	peak
5356.154	H	47.03	54.00	-6.97	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

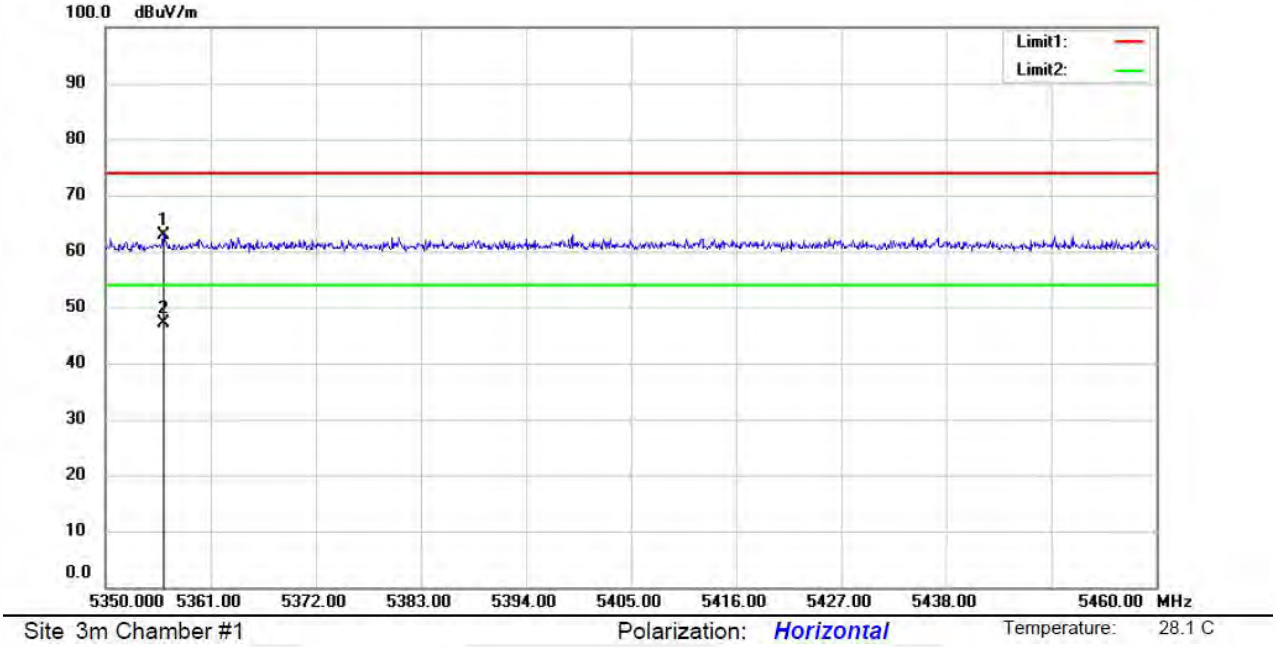
Test Model	U-NII - 1 Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz) ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11n(HT40) ☒ 5180 ☐ 5200 ☐ 5240 Ant.Pol H



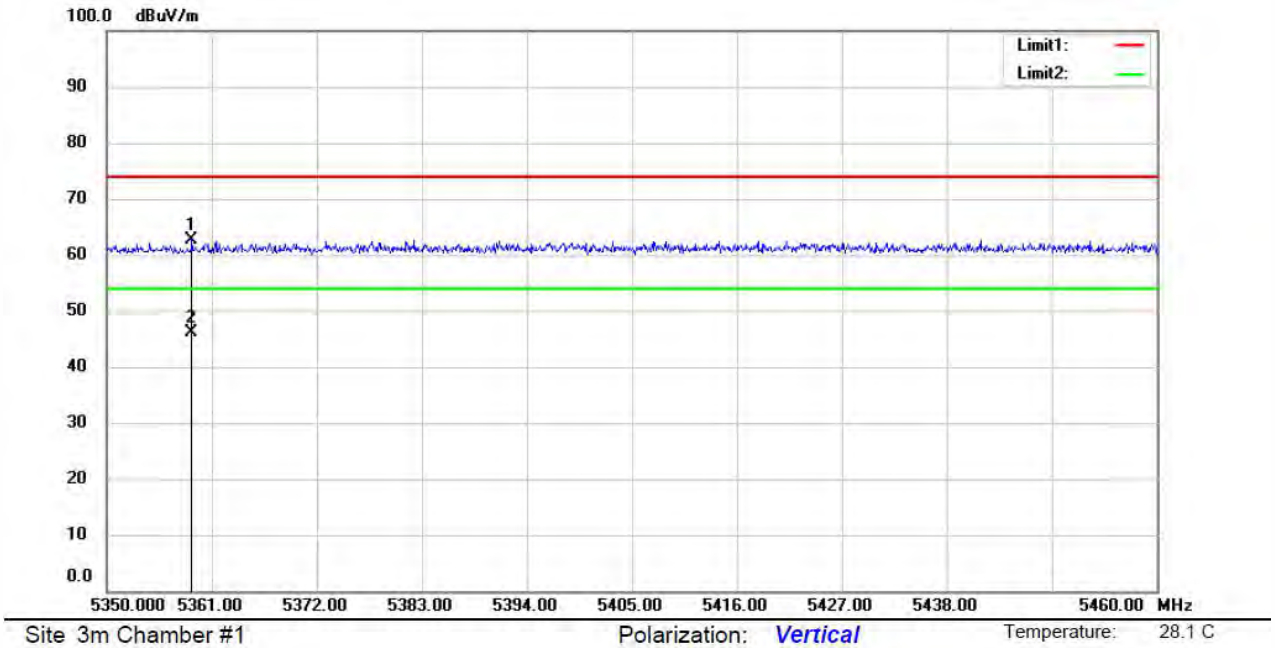
Test Model	U-NII - 1 Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz) ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11n(HT40) ☒ 5180 ☐ 5200 ☐ 5240 Ant.Pol V



Test Model	U-NII - 1 Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)			
	☒ 802.11a	☐ 802.11n(HT20)	☐ 802.11n(HT40)	
	☐ 5180	☐ 5200	☒ 5240	Ant.Pol H



Test Model	U-NII - 1 Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)			
	☒ 802.11a	☐ 802.11n(HT20)	☐ 802.11n(HT40)	
	☐ 5180	☐ 5200	☒ 5240	Ant.Pol V



■ ☒For Undesirable radiated Spurious Emission in U-NII -2A
All the modes 802.11a/n/ac has been tested and the worst result 802.11a recorded as below:
: ☒Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

Test mode: 802.11a Frequency(MHz): 5260

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5530.250	V	46.84	-48.39	-27	-21.39
11145.14	V	58.69	-36.54	-27	-9.54
17945.45	V	69.50	-27.27	-27	-0.27
5532.648	H	47.07	-48.16	-27	-21.16
11261.71	H	58.54	-36.69	-27	-9.69
17839.43	H	69.02	-27.79	-27	-0.79

Test mode: 802.11a Frequency(MHz): 5280

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5558.293	V	46.84	-48.39	-27	-21.39
11072.89	V	59.26	-35.97	-27	-8.97
17935.08	V	69.23	-28	-27	-1
5584.865	H	46.73	-48.5	-27	-21.5
9828.363	H	55.85	-39.38	-27	-12.38
17872.98	H	69.32	-27.91	-27	-0.91

Test mode: 802.11a Frequency(MHz): 5320

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5396.037	V	48.00	-47.23	-27	-20.23
11224.34	V	59.62	-35.61	-27	-8.61
17904.00	V	69.23	-28	-27	-1
5446.965	H	46.85	-48.38	-27	-21.38
9684.547	H	56.22	-39.01	-27	-12.01
17997.39	H	69.59	-27.64	-27	-0.64

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Frequency: 802.11a		Frequency(MHz): 5260			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5530.250	V	46.84	74.00	-27.16	peak
5530.250	V	28.89	54.00	-25.11	AVG
11145.14	V	58.69	74.00	-15.31	peak
11145.14	V	40.63	54.00	-13.37	AVG
17945.45	V	69.50	74.00	-4.50	peak
17945.45	V	50.49	54.00	-3.51	AVG
5532.648	H	47.07	74.00	-26.93	peak
5532.648	H	30.17	54.00	-23.83	AVG
11261.71	H	58.54	74.00	-15.46	peak
11261.71	H	40.66	54.00	-13.34	AVG
17839.43	H	69.02	74.00	-4.98	peak
17839.43	H	51.03	54.00	-2.97	AVG

Frequency: 802.11a		Frequency(MHz): 5280			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5558.293	V	46.84	74.00	-27.16	peak
5558.293	V	28.79	54.00	-25.21	AVG
11072.89	V	59.26	74.00	-14.74	peak
11072.89	V	41.22	54.00	-12.78	AVG
17935.08	V	69.23	74.00	-4.77	peak
17935.08	V	50.83	54.00	-3.17	AVG
5584.865	H	46.73	74.00	-27.27	peak
5584.865	H	28.77	54.00	-25.23	AVG
9828.363	H	55.85	74.00	-18.15	peak
9828.363	H	38.87	54.00	-15.13	AVG
17872.98	H	69.32	74.00	-4.68	peak
17872.98	H	50.69	54.00	-3.31	AVG

Frequency: 802.11a		Frequency(MHz): 5320			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5396.037	V	48.00	74.00	-26.00	peak
5396.037	V	30.19	54.00	-23.81	AVG
11224.34	V	59.62	74.00	-14.38	peak
11224.34	V	41.93	54.00	-12.07	AVG
17904.00	V	69.23	74.00	-4.77	peak
17904	V	50.28	54.00	-3.72	AVG
5446.965	H	46.85	74.00	-27.15	peak
5446.965	H	28.95	54.00	-25.05	AVG
9684.547	H	56.22	74.00	-17.78	peak
9684.547	H	38.26	54.00	-15.74	AVG
17997.39	H	69.59	74.00	-4.41	peak
17997.39	H	50.98	54.00	-3.02	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode:	802.11a	Frequency(MHz):	5260		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5143.208	H	61.29	-33.94	-27	Pass
5116.395	V	61.07	-34.16	-27	Pass

Test mode:	802.11a	Frequency(MHz):	5320		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5355.885	H	61.90	-33.33	-27	Pass
5455.358	V	61.08	-34.15	-27	Pass

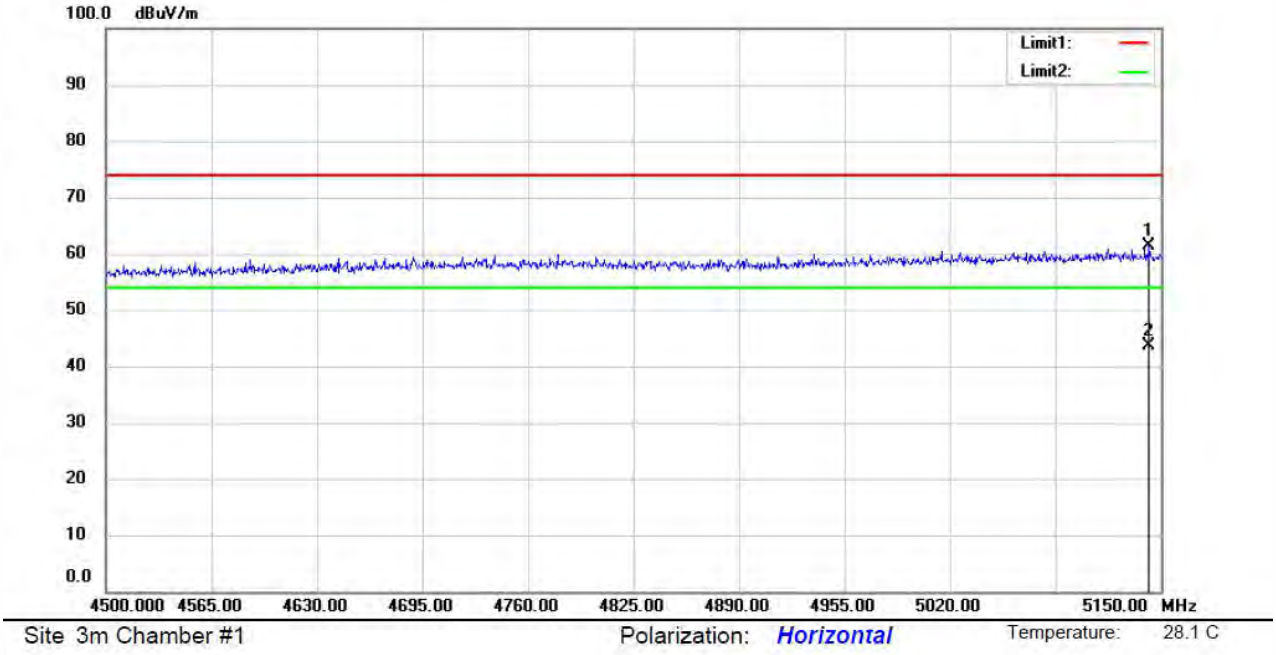
Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Test mode:	802.11a	Frequency(MHz):	5260		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5116.395	V	61.07	74.00	-12.93	peak
5116.395	V	43.19	54.00	-10.81	AVG
5143.208	H	61.29	74.00	-12.71	peak
5143.208	H	43.65	54.00	-10.35	AVG

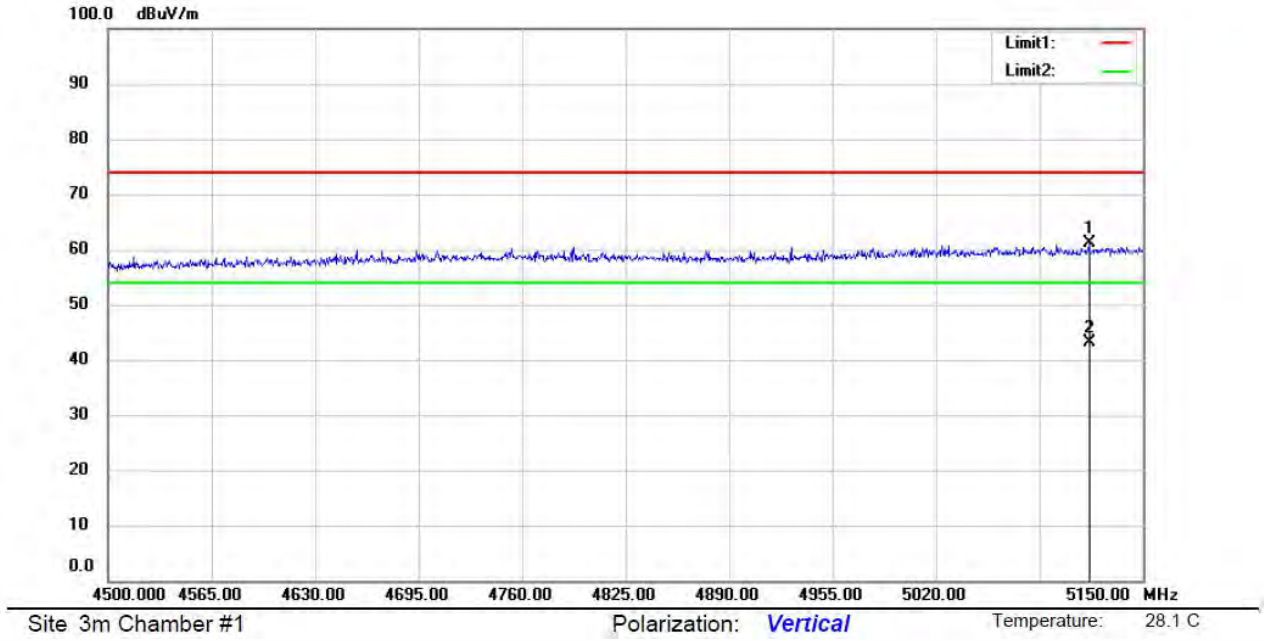
Test mode:	802.11a	Frequency(MHz):	5320		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5455.358	V	61.08	74.00	-12.92	peak
5455.358	V	43.29	54.00	-10.71	AVG
5355.885	H	61.90	74.00	-12.10	peak
5355.885	H	43.22	54.00	-10.78	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

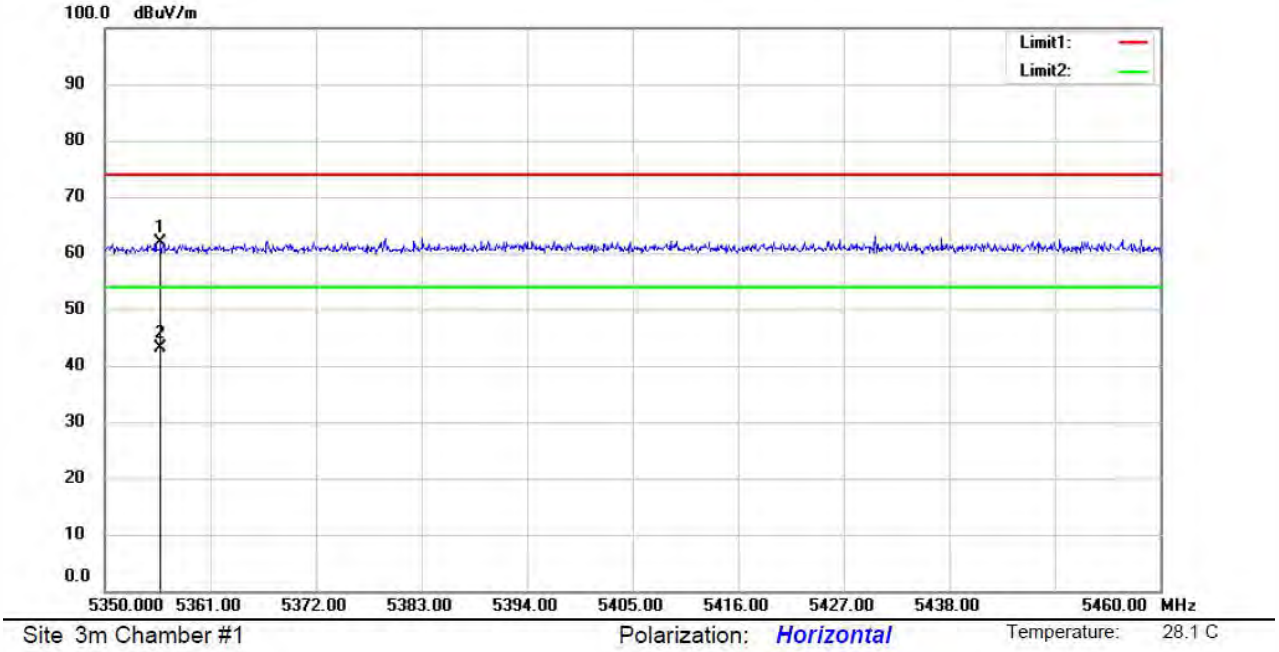
Test Model	U-NII -2A Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz) ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11 ac (VHT20) ☒ 5260 ☐ 5300 ☐ 5320 Ant.Pol H



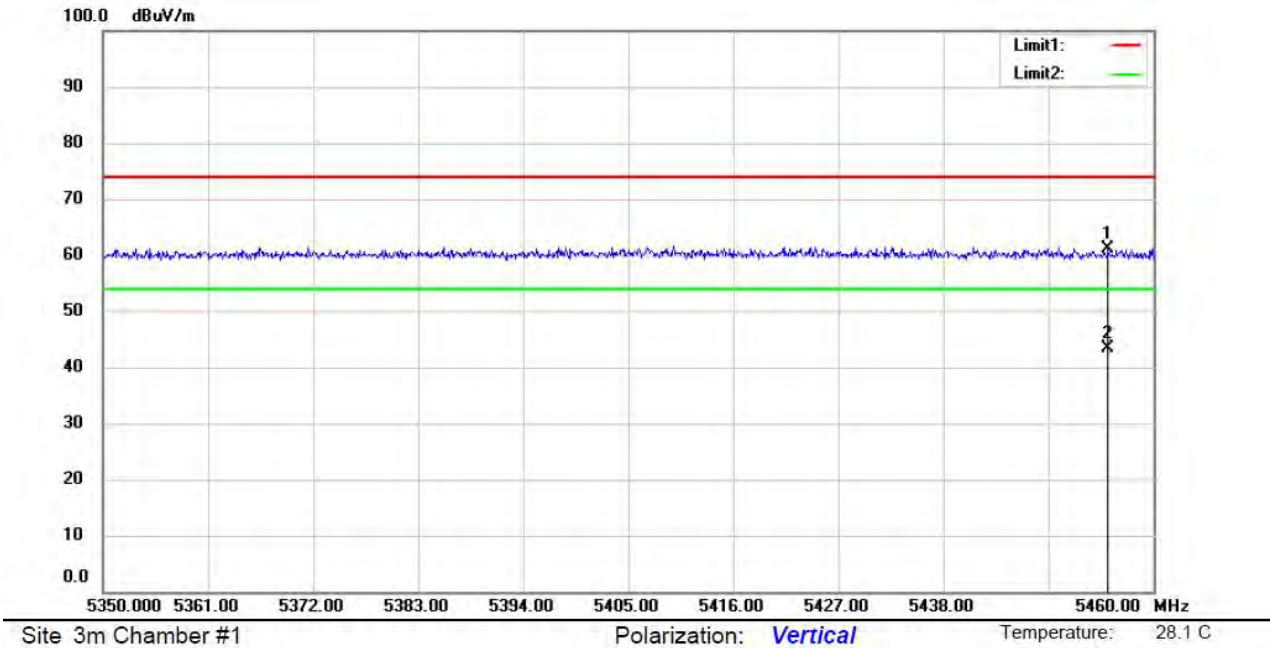
Test Model	U-NII -2A Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz) ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11 ac (VHT20) ☒ 5260 ☐ 5300 ☐ 5320 Ant.Pol V



Test Model	U-NII -2A Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)			
	☒ 802.11a	☐ 802.11n(HT20)	☐ 802.11 ac (VHT20)	
	☐ 5260	☐ 5300	☒ 5320	Ant.Pol H



Test Model	U-NII -2A Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)			
	☒ 802.11a	☐ 802.11n(HT20)	☐ 802.11 ac (VHT20)	
	☐ 5260	☐ 5300	☒ 5320	Ant.Pol V



■ ☒For Undesirable radiated Spurious Emission in U-NII -2C
All the modes 802.11a/n/ac has been tested and the worst result 802.11a recorded as below:
: ☒Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

Test mode: 802.11a Frequency(MHz): 5500

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
6563.260	V	49.12	-46.11	-27	-19.11
11225.96	V	58.95	-36.28	-27	-9.28
17929.90	V	69.89	-27.66	-27	-0.66
6084.592	H	47.52	-47.71	-27	-20.71
11179.01	H	58.64	-36.59	-27	-9.59
17997.39	H	69.59	-27.36	-27	-0.36

Test mode: 802.11a Frequency(MHz): 5580

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5442.244	V	47.66	-47.57	-27	-20.57
11183.86	V	59.80	-35.43	-27	-8.43
17922.12	V	69.99	-27.76	-27	-0.76
5615.620	H	47.67	-47.56	-27	-20.56
11072.89	H	59.18	-36.05	-27	-9.05
17849.75	H	69.97	-27.74	-27	-0.74

Test mode: 802.11a Frequency(MHz): 5700

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
7158.806	V	52.14	-43.09	-27	-16.09
11004.29	V	58.46	-36.77	-27	-9.77
17994.79	V	69.53	-27.7	-27	-0.3
5379.686	H	46.79	-48.44	-27	-21.44
10437.36	H	56.56	-38.67	-27	-11.67
17909.18	H	69.61	-27.38	-27	-0.38

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Frequency: 802.11a		Frequency(MHz): 5500			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
6563.260	V	49.12	74.00	-24.88	peak
6563.260	V	31.29	54.00	-22.71	AVG
11225.96	V	58.95	74.00	-15.05	peak
11225.96	V	40.78	54.00	-13.22	AVG
17929.90	V	69.89	74.00	-4.11	peak
17929.9	V	50.82	54.00	-3.18	AVG
6084.592	H	47.52	74.00	-26.48	peak
6084.592	H	30.29	54.00	-23.71	AVG
11179.01	H	58.64	74.00	-15.36	peak
11179.01	H	40.63	54.00	-13.37	AVG
17997.39	H	69.59	74.00	-4.41	peak
17997.39	H	50.39	54.00	-3.61	AVG

Frequency: 802.11a		Frequency(MHz): 5580			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5442.244	V	47.66	74.00	-26.34	peak
5442.244	V	30.59	54.00	-23.41	AVG
11183.86	V	59.80	74.00	-14.20	peak
11183.86	V	41.84	54.00	-12.16	AVG
17922.12	V	69.99	74.00	-4.01	peak
17922.12	V	50.97	54.00	-3.03	AVG
5615.620	H	47.67	74.00	-26.33	peak
5615.620	H	29.45	54.00	-24.55	AVG
11072.89	H	59.18	74.00	-14.82	peak
11072.89	H	41.28	54.00	-12.72	AVG
17849.75	H	69.97	74.00	-4.03	peak
17849.75	H	50.85	54.00	-3.15	AVG

Frequency: 802.11a		Frequency(MHz): 5700			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
7158.806	V	52.14	74.00	-21.86	peak
7158.806	V	36.15	54.00	-17.85	AVG
11004.29	V	58.46	74.00	-15.54	peak
11004.29	V	40.37	54.00	-13.63	AVG
17994.79	V	69.53	74.00	-4.47	peak
17994.79	V	50.79	54.00	-3.21	AVG
5379.686	H	46.79	74.00	-27.21	peak
5379.686	H	28.69	54.00	-25.31	AVG
10437.36	H	56.56	74.00	-17.44	peak
10437.36	H	48.95	54.00	-5.05	AVG
17909.18	H	69.61	74.00	-4.39	peak
17909.18	H	50.33	54.00	-3.67	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode:	802.11a	Frequency(MHz):	5500		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5465.148	H	61.99	-33.24	-27	Pass
5466.908	V	62.50	-32.73	-27	Pass

Test mode:	802.11a	Frequency(MHz):	5700		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5729.840	H	61.29	-33.94	-27	Pass
5774.490	V	61.27	-33.96	-27	Pass

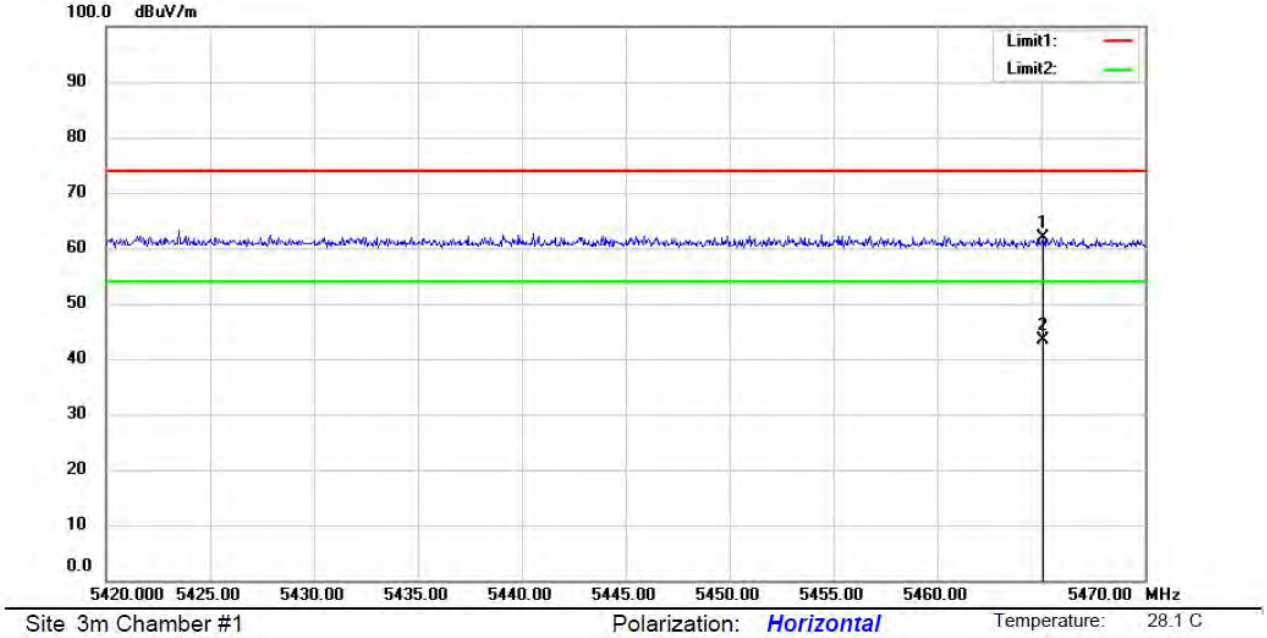
Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Test mode:	802.11a	Frequency(MHz):	5500		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5466.908	V	62.50	74.00	-11.50	peak
5466.908	V	44.25	54.00	-9.75	AVG
5465.148	H	61.99	74.00	-12.01	peak
5465.148	H	43.29	54.00	-10.71	AVG

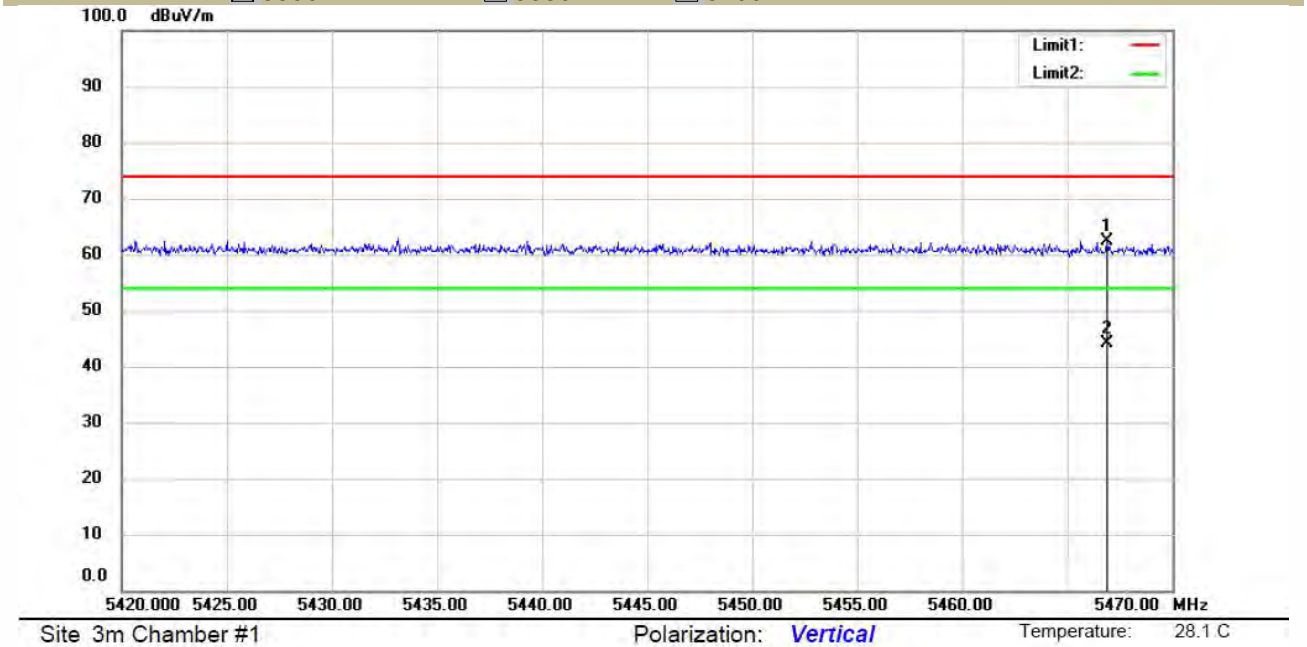
Test mode:	802.11a	Frequency(MHz):	5700		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5774.490	V	61.27	74.00	-12.73	peak
5774.49	V	43.26	54.00	-10.74	AVG
5729.840	H	61.29	74.00	-12.71	peak
5729.84	H	43.33	54.00	-10.67	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

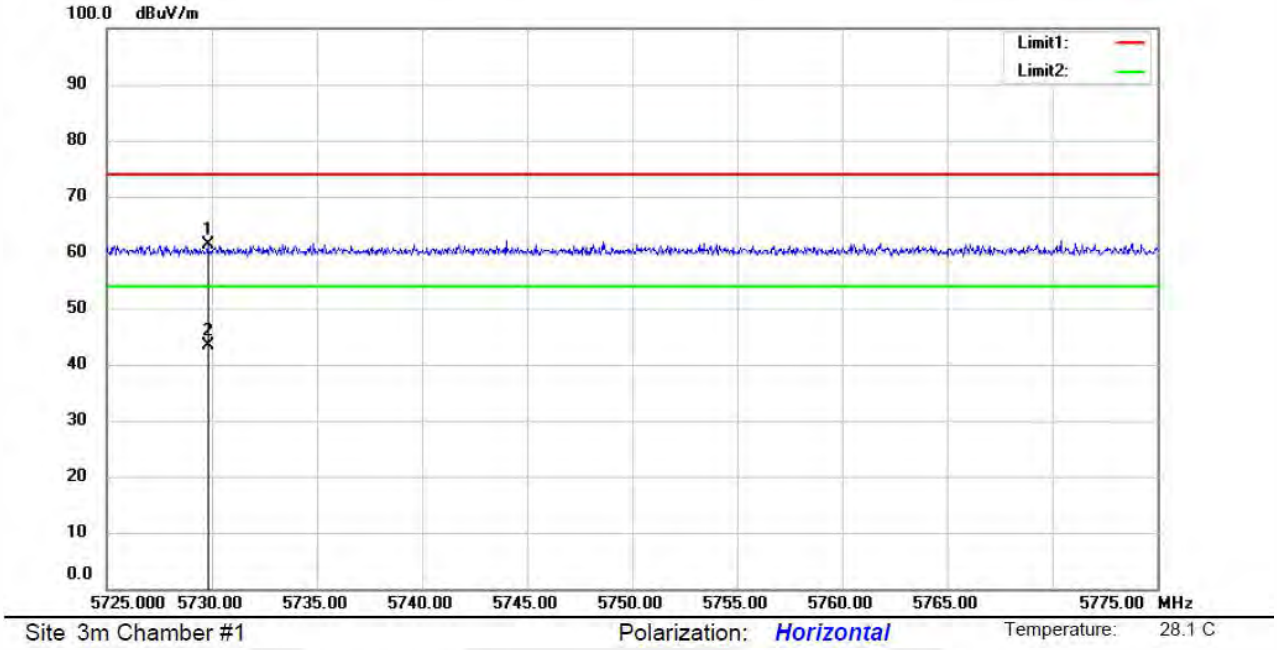
Test Model	U-NII -2C Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz) ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11 ac (VHT20) ☒ 5500 ☐ 5580 ☐ 5700 Ant.Pol H



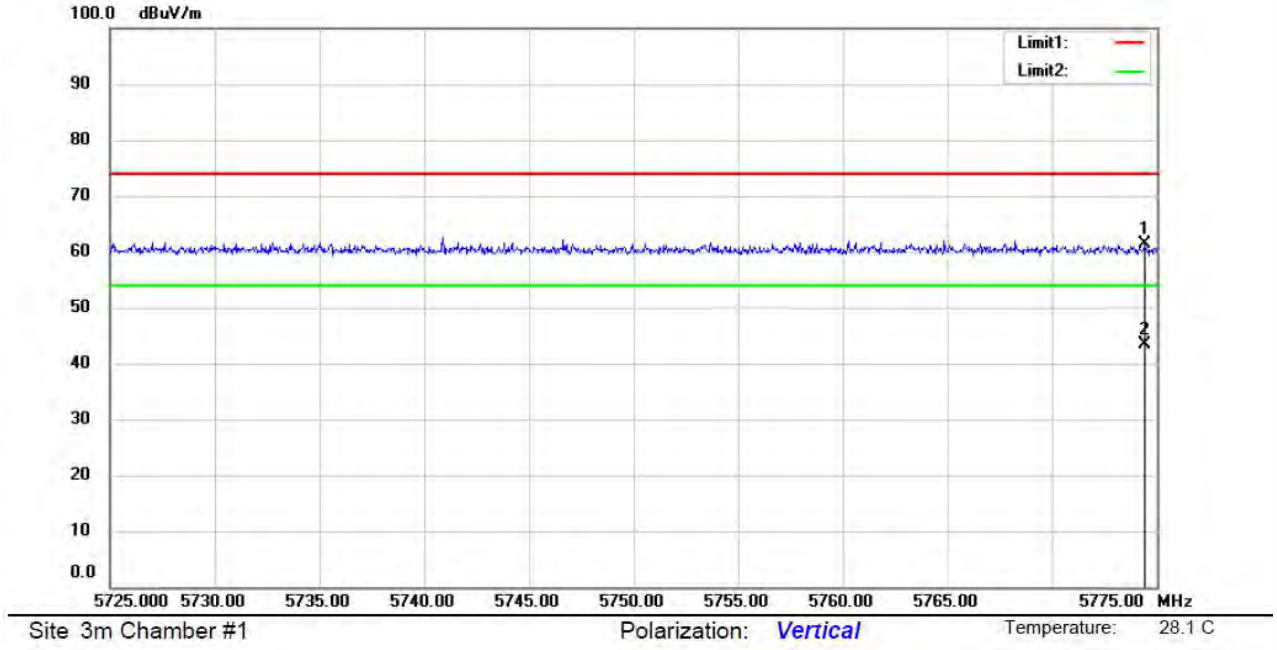
Test Model	U-NII -2C Undesirable radiated Spurious Emission in Restricted Band (5100-5150MHz) ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11 ac (VHT20) ☒ 5500 ☐ 5580 ☐ 5700 Ant.Pol V



Test Model	U-NII -2C Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)
	☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11 ac (VHT20)
	☐ 5500 ☐ 5580 ☒ 5700 Ant.Pol H



Test Model	U-NII -2C Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)
	☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11 ac (VHT20)
	☐ 5500 ☐ 5580 ☒ 5700 Ant.Pol V



■ ☒For Undesirable radiated Spurious Emission in U-NII -3

All the modes 802.11a/n/ac has been tested and the worst result 802.11a recorded as below:

● ☒Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

Test mode: 802.11a Frequency(MHz): 5745

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
6574.652	V	49.96	-45.27	-27	-18.27
11630.56	V	59.33	-35.9	-27	-8.9
17935.08	V	69.77	-27.54	-27	-0.54
7055.072	H	52.76	-42.47	-27	-15.47
11148.36	H	59.37	-35.86	-27	-8.86
17909.18	H	69.51	-27.72	-27	-0.72

Test mode: 802.11a Frequency(MHz): 5785

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
6620.419	V	49.90	-45.33	-27	-18.33
11204.89	V	58.82	-36.41	-27	-9.41
17932.49	V	69.12	-27.89	-27	-0.89
5442.244	H	46.71	-48.52	-27	-21.52
11044.12	H	57.49	-37.74	-27	-10.74
17862.65	H	68.42	-27.81	-27	-0.81

Test mode: 802.11a Frequency(MHz): 5825

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5391.360	V	46.88	-48.35	-27	-21.35
11353.22	V	58.13	-37.1	-27	-10.1
17842.01	V	68.99	-27.76	-27	-0.76
6345.936	H	48.63	-46.6	-27	-19.6
11162.87	H	59.54	-35.69	-27	-8.69
17849.75	H	69.20	-27.97	-27	-0.97

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Frequency: 802.11a		Frequency(MHz): 5745			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
6574.652	V	49.96	74.00	-24.04	peak
6574.652	V	31.94	54.00	-22.06	AVG
11630.56	V	59.33	74.00	-14.67	peak
11630.56	V	41.29	54.00	-12.71	AVG
17935.08	V	69.77	74.00	-4.23	peak
17935.08	V	50.91	54.00	-3.09	AVG
7055.072	H	52.76	74.00	-21.24	peak
7055.072	H	35.72	54.00	-18.28	AVG
11148.36	H	59.37	74.00	-14.63	peak
11148.36	H	41.39	54.00	-12.61	AVG
17909.18	H	69.51	74.00	-4.49	peak
17909.18	H	50.29	54.00	-3.71	AVG

Frequency: 802.11a		Frequency(MHz): 5785			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
6620.419	V	49.90	74.00	-24.10	peak
6620.419	V	31.90	54.00	-22.10	AVG
11204.89	V	58.82	74.00	-15.18	peak
11204.89	V	40.62	54.00	-13.38	AVG
17932.49	V	69.12	74.00	-4.88	peak
17932.49	V	50.37	54.00	-3.63	AVG
5442.244	H	46.71	74.00	-27.29	peak
5442.244	H	28.75	54.00	-25.25	AVG
11044.12	H	57.49	74.00	-16.51	peak
11044.12	H	39.98	54.00	-14.02	AVG
17862.65	H	70.42	74.00	-3.58	peak
17862.65	H	50.41	54.00	-3.59	AVG

Frequency: 802.11a		Frequency(MHz): 5825			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5391.360	V	46.88	74.00	-27.12	peak
5391.360	V	28.65	54.00	-25.35	AVG
11353.22	V	58.13	74.00	-15.87	peak
11353.22	V	40.23	54.00	-13.77	AVG
17842.01	V	69.99	74.00	-4.01	peak
17842.01	V	50.99	54.00	-3.01	AVG
6345.936	H	48.63	74.00	-25.37	peak
6345.936	H	30.52	54.00	-23.48	AVG
11162.87	H	59.54	74.00	-14.46	peak
11162.87	H	41.18	54.00	-12.82	AVG
17849.75	H	69.20	74.00	-4.80	peak
17849.75	H	50.23	54.00	-3.77	AVG

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

- ☒ Undesirable radiated Spurious Emission in band edge

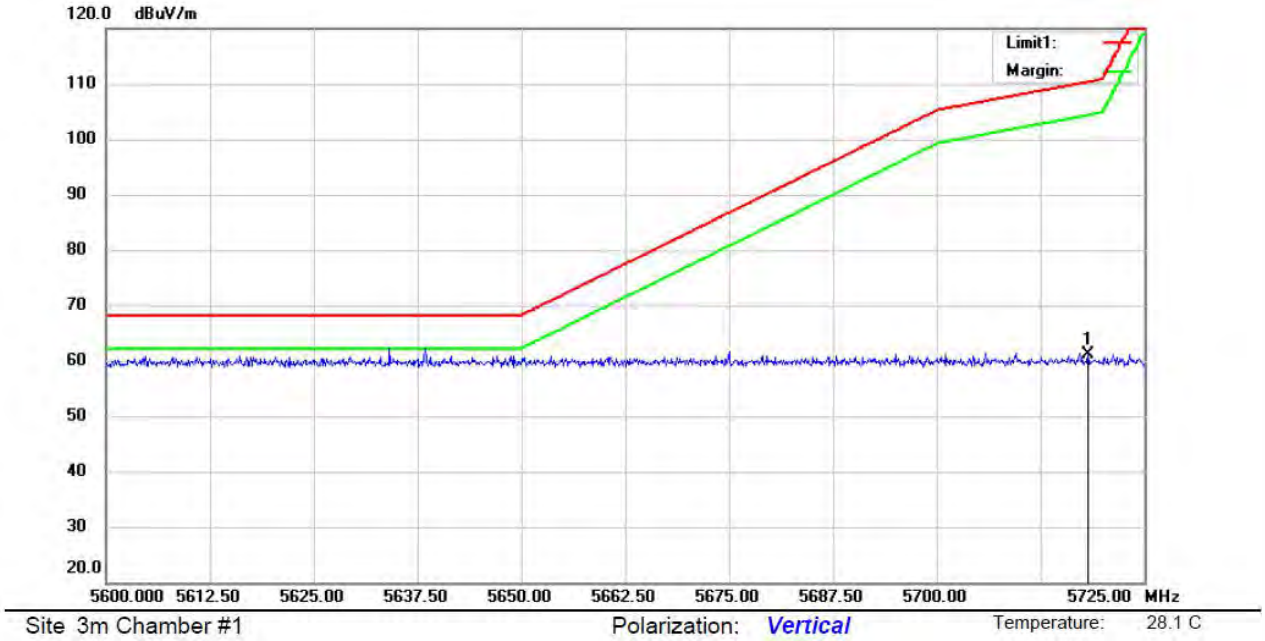
Test mode:	802.11a	Frequency:	5745		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5719.744	H	60.70	-34.53	-27	PASS
5718.294	V	61.24	-33.99	-27	PASS

Test mode:	802.11a	Frequency:	5825		
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5850.950	V	61.48	-33.75	-27	PASS
5854.919	H	61.00	-34.23	-27	PASS

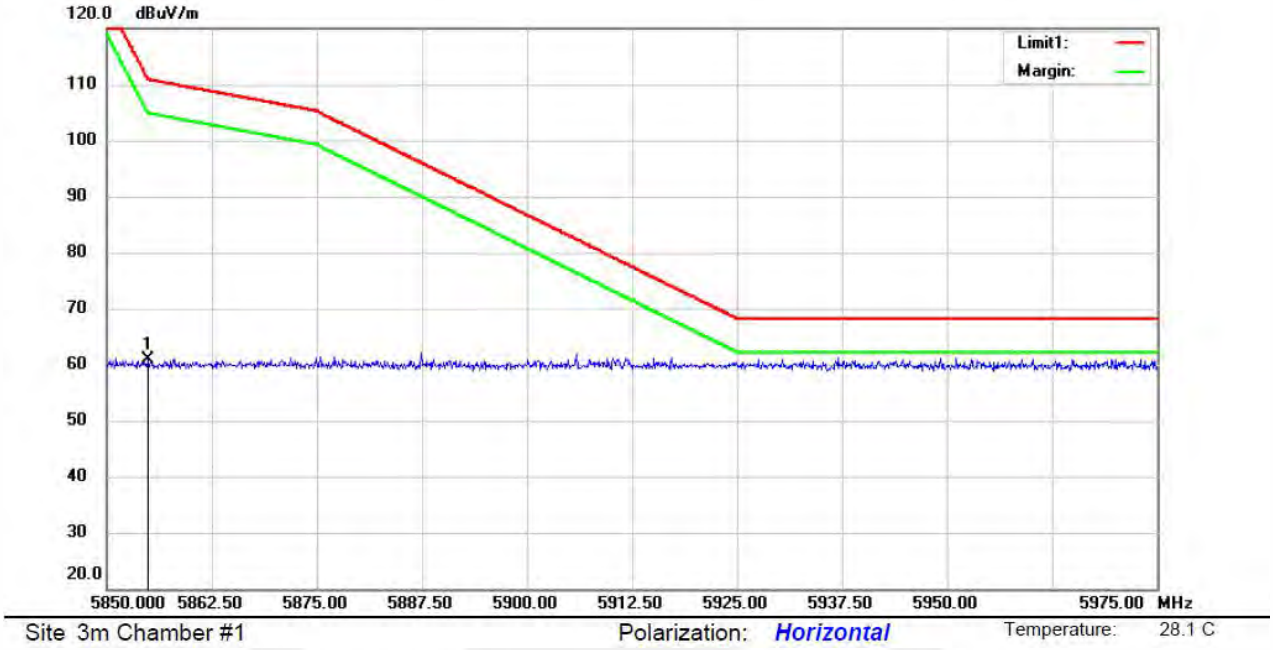
Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Test Model	U-NII -3 Undesirable radiated Undesirable radiated Spurious Emission in Band Edge ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11n(HT40) ☒ 5745 Ant.Pol H

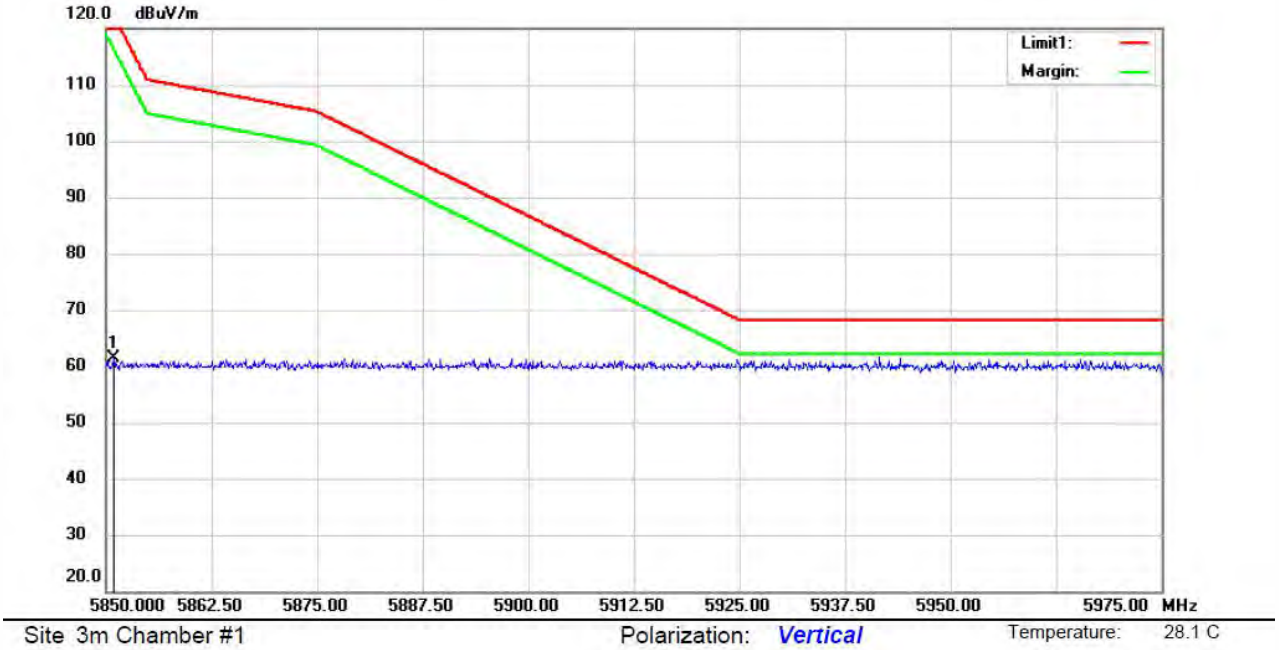
Test Model	U-NII -3 Undesirable radiated Undesirable radiated Spurious Emission in Band Edge ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11n(HT40) ☒ 5745 Ant.Pol V



Test Model	U-NII -3 Undesirable radiated Undesirable radiated Spurious Emission in Band Edge ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11n(HT40) ☒ 5825 Ant.Pol H

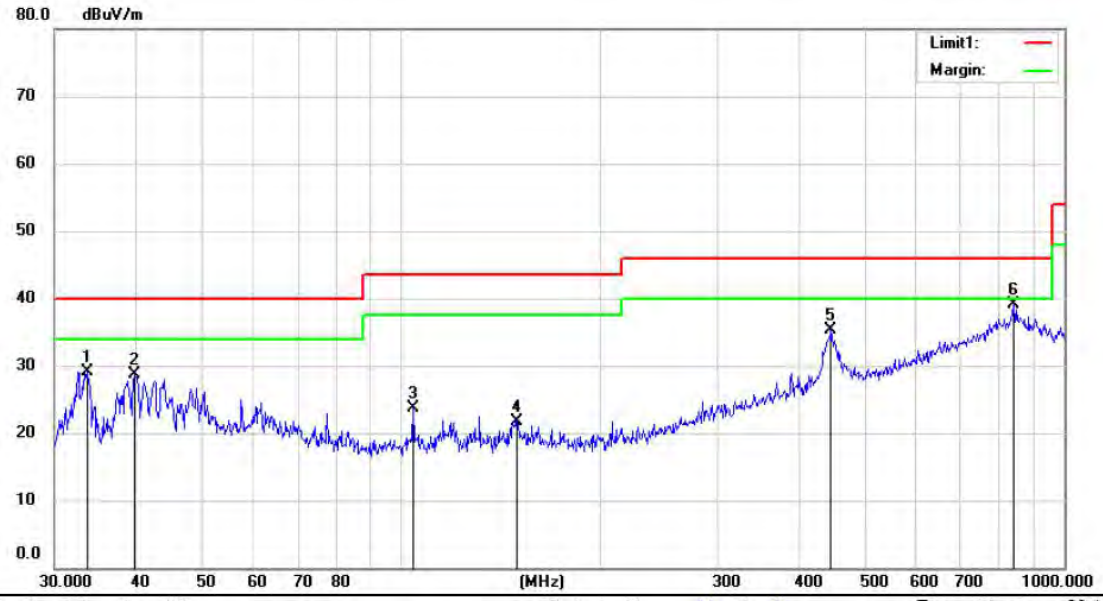


Test Model	U-NII -3 Undesirable radiated Undesirable radiated Spurious Emission in Band Edge ☒ 802.11a ☐ 802.11n(HT20) ☐ 802.11n(HT40) ☒ 5825 Ant.Pol V



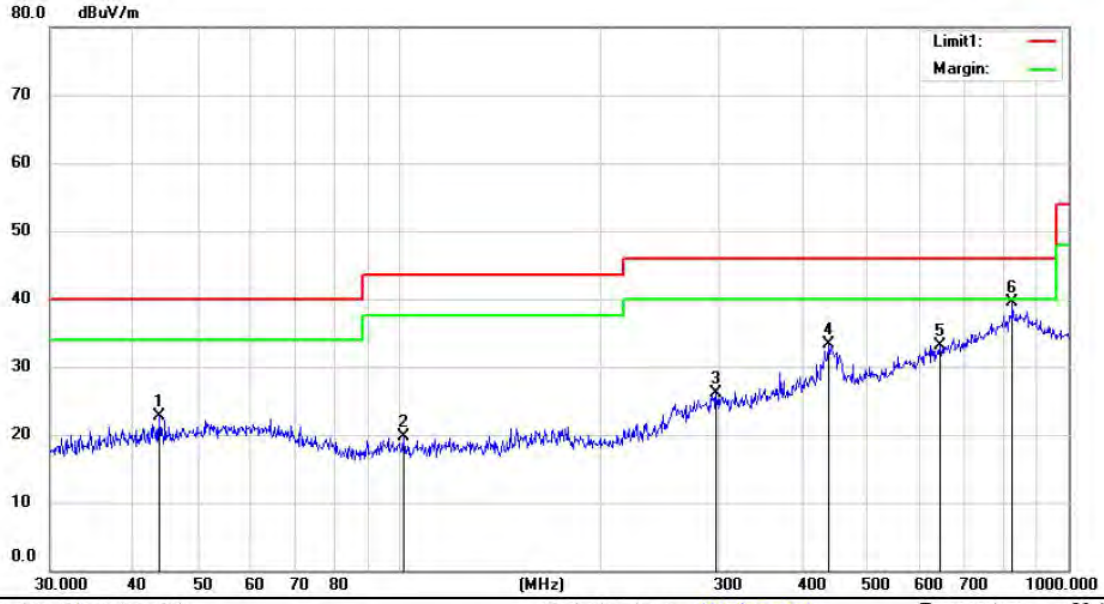
- Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)
  All modes have been tested, and the worst result recorded was report as below:

Test mode:	802.11a	Frequency(MHz):	5180



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 28.1 C

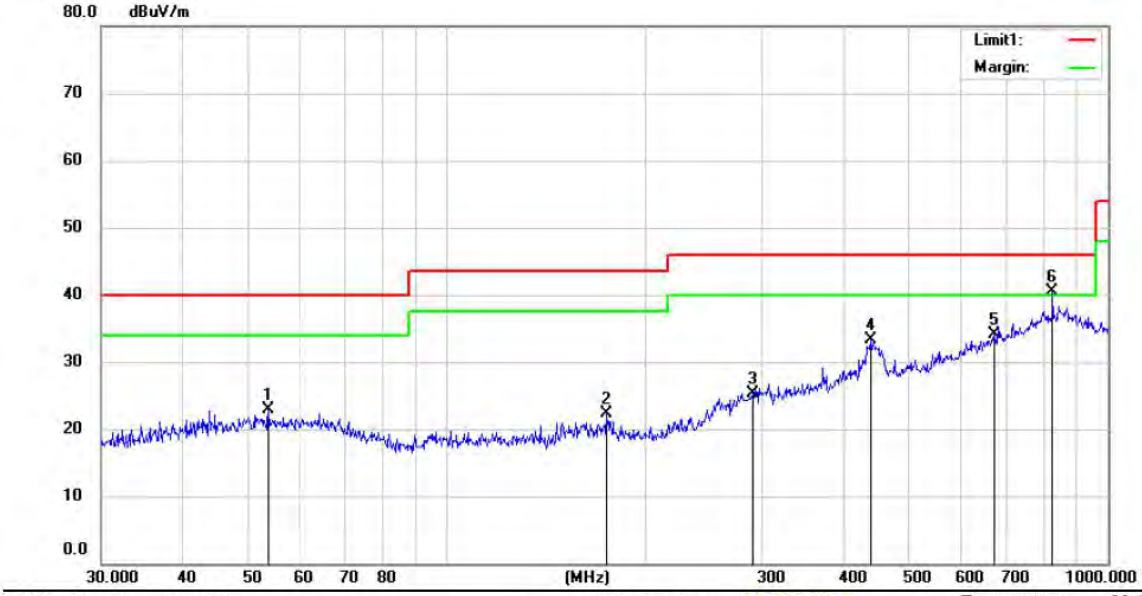
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		33.6213	37.54	-8.37	29.17	40.00	-10.83	QP			
2		39.6625	35.89	-7.11	28.78	40.00	-11.22	QP			
3		104.4445	32.29	-8.49	23.80	43.50	-19.70	QP			
4		149.8794	29.70	-7.90	21.80	43.50	-21.70	QP			
5		445.6321	35.15	0.15	35.30	46.00	-10.70	QP			
6	*	839.1818	30.08	8.93	39.01	46.00	-6.99	QP			



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 28.1 C

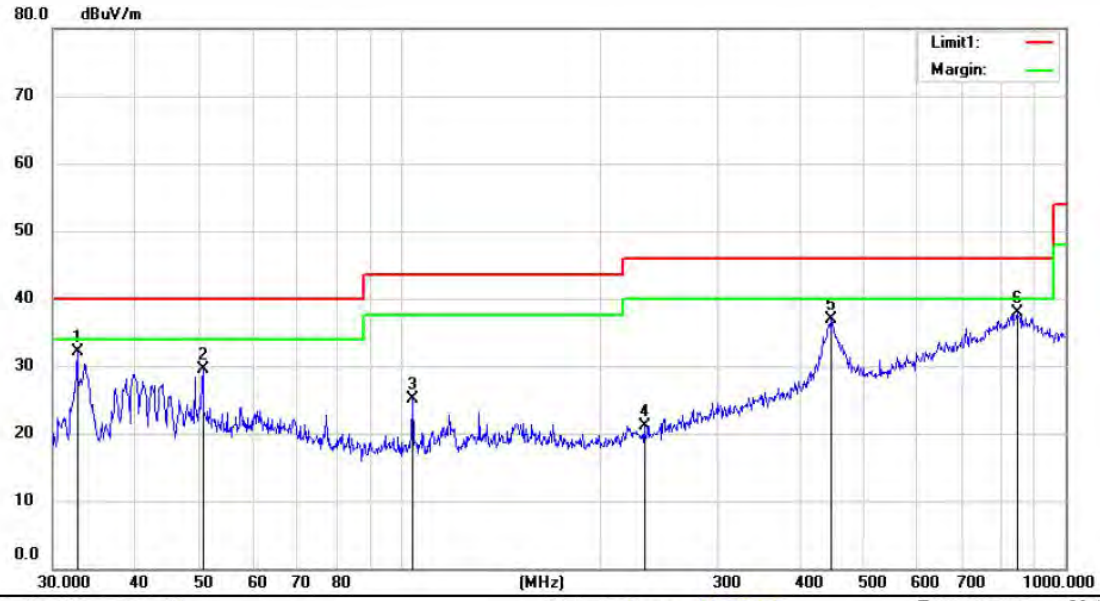
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		43.6968	29.49	-6.84	22.65	40.00	-17.35	QP			
2		101.5107	28.47	-8.76	19.71	43.50	-23.79	QP			
3		297.8762	29.31	-3.18	26.13	46.00	-19.87	QP			
4		437.3116	33.14	0.14	33.28	46.00	-12.72	QP			
5		644.8368	29.15	4.05	33.20	46.00	-12.80	QP			
6	*	826.7683	31.22	8.38	39.60	46.00	-6.40	QP			

Test mode:	802.11a	Frequency(MHz):	5200



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 28.1 C

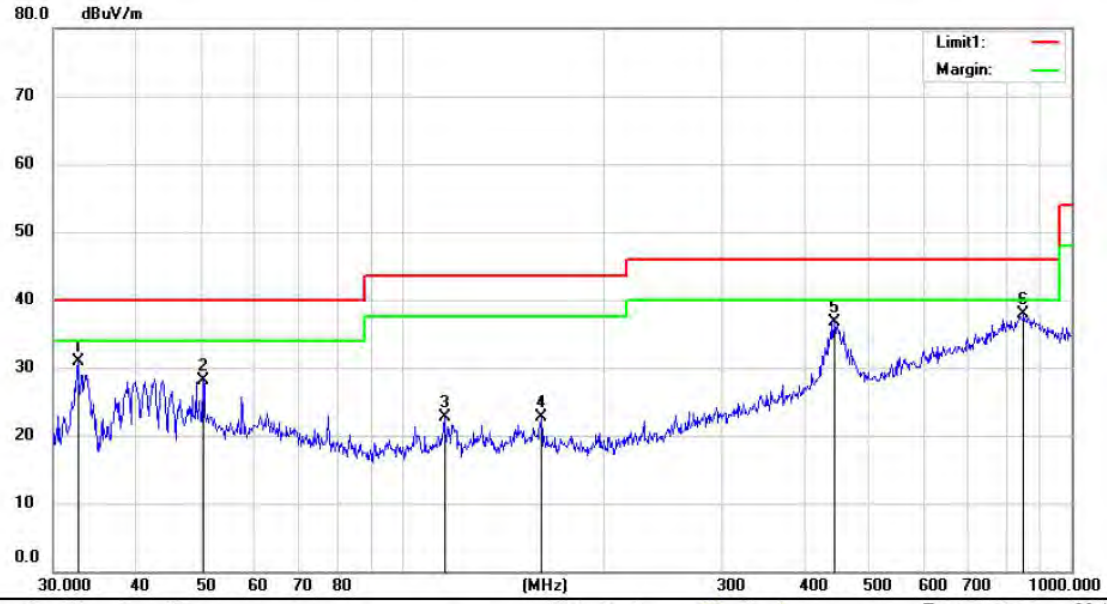
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		53.7403	28.98	-6.08	22.90	40.00	-17.10	QP			
2		174.5005	30.20	-7.93	22.27	43.50	-21.23	QP			
3		290.5262	28.91	-3.61	25.30	46.00	-20.70	QP			
4		437.3116	33.14	0.14	33.28	46.00	-12.72	QP			
5		672.8444	29.41	4.70	34.11	46.00	-11.89	QP			
6	*	826.7683	32.22	8.38	40.60	46.00	-5.40	QP			



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 28.1 C

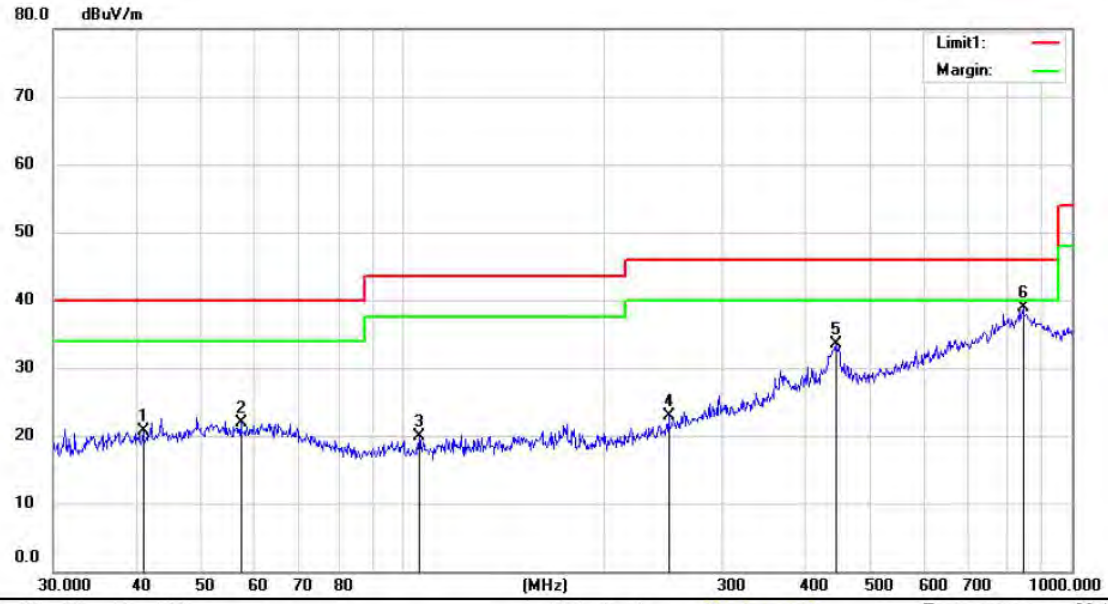
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	32.6483	40.69	-8.52	32.17	40.00	-7.83	QP			
2		50.4090	35.56	-6.11	29.45	40.00	-10.55	QP			
3		104.4445	33.54	-8.49	25.05	43.50	-18.45	QP			
4		233.0420	27.59	-6.53	21.06	46.00	-24.94	QP			
5		445.2416	36.66	0.15	36.81	46.00	-9.19	QP			
6		846.5708	28.87	9.01	37.88	46.00	-8.12	QP			

Test mode:	802.11a	Frequency(MHz):	5240



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 28.1 C

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		32.6626	39.39	-8.52	30.87	40.00	-9.13	QP			
2		50.3868	34.30	-6.11	28.19	40.00	-11.81	QP			
3		115.6750	31.04	-8.36	22.68	43.50	-20.82	QP			
4		160.9795	30.75	-8.07	22.68	43.50	-20.82	QP			
5		442.5177	36.68	0.12	36.80	46.00	-9.20	QP			
6	*	849.9170	28.81	9.02	37.83	46.00	-8.17	QP			



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 28.1 C

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		40.9342	27.78	-7.03	20.75	40.00	-19.25	QP			
2		57.1914	28.10	-6.23	21.87	40.00	-18.13	QP			
3		105.9197	28.38	-8.51	19.87	43.50	-23.63	QP			
4		249.7532	28.16	-5.35	22.81	46.00	-23.19	QP			
5		444.6565	33.37	0.14	33.51	46.00	-12.49	QP			
6	*	847.6847	29.81	9.01	38.82	46.00	-7.18	QP			

8.6 POWER LINE CONDUCTED EMISSIONS

8.6.1 Applicable Standard

According to FCC Part 15.207(a)

8.6.2 Conformance Limit

Conducted Emission Limit		
Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

8.6.3 Test Configuration

Test according to clause 6.3 conducted emission test setup

8.6.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Repeat above procedures until all frequency measured were complete.

8.6.5 Test Results

N/A

Not applicable, since EUT is DC power.

8.7 ANTENNA APPLICATION

8.7.1 Antenna Requirement

Standard	Requirement
FCC CRF Part 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

8.7.2 Result

PASS

The EUT is Integrated Antenna, the antenna 1 gain is 3.68 dBi, antenna 2 gain is 4.13 dBi; antenna 3 gain is 5.19dBi.

Note: ☒ Antennas use a permanently attached antenna which is not replaceable.
☐ Not using a standard antenna jack or electrical connector for antenna replacement
☐ The antenna has to be professionally installed (please provide method of installation)

Which in accordance to section 15.203, please refer to the internal photos.

Detail of factor for radiated emission

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

--- End of Report ---