

Sweep time = auto.

Trace mode = max hold.

Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle. For example, use at least 200 traces if the duty cycle is 25 percent. (If a specific emission is demonstrated to be continuous—i.e., 100 percent duty cycle—rather than turning on and off with the transmit cycle, at least 50 traces shall be averaged).

■ Band edge measurements.

Unwanted band-edge emissions may be measured using either of the special band-edge measurement techniques (the marker-delta or integration methods) described below. Note that the marker-delta method is primarily a radiated measurement technique that requires the 99% occupied bandwidth edge to be within 2 MHz of the authorized band edge, whereas the integration method can be used in either a radiated or conducted measurement without any special requirement with regards to the displacement of the unwanted emission(s) relative to the authorized bandwidth.

Marker-Delta Method.

The marker-delta method, as described in ANSI C63.10, can be used to perform measurements of the radiated unwanted emissions level of emissions provided that the 99% occupied bandwidth of the fundamental is within 2 MHz of the authorized band-edge.

8.4.5 Test Results

Temperature : 25°C
Humidity : 60 %

ATM Pressure:: 1011 mbar
Test Engineer: HuWeiTang

- ☒ For Undesirable radiated Spurious Emission in U-NII – 1
☒ Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)
All of the configurations or modes are tested, the data of the worst case is recorded in the report.
Highest gain of each antenna and highest output power is ANT1 and MIMO as below:

ANT1:

Test mode: 802.11n(20) Frequency(MHz): 5180

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
10792	V	58.16	-37.07	-27	-10.07
13308	V	58.31	-36.92	-27	-9.92
15484	V	57.79	-37.44	-27	-10.44
11030	H	58.32	-36.91	-27	-9.91
15348	H	58.65	-36.58	-27	-9.58
16640	H	58.39	-36.84	-27	-9.84

Test mode: 802.11n(20) Frequency(MHz): 5200

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
9398	V	58.86	-36.37	-27	-9.37
11676	V	58.64	-36.59	-27	-9.59
16402	V	59.02	-36.21	-27	-9.21
11166	H	58.44	-36.79	-27	-9.79
13988	H	58.87	-36.36	-27	-9.36
16912	H	58.77	-36.46	-27	-9.46

Test mode: 802.11n(20) Frequency(MHz): 5240

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
9670	V	58.03	-37.2	-27	-10.2
13376	V	58.06	-37.17	-27	-10.17
17320	V	58.09	-37.14	-27	-10.14
9670	H	58.59	-36.64	-27	-9.64
13920	H	58.88	-36.35	-27	-9.35
15790	H	58.64	-36.59	-27	-9.59

ANT1:

Test mode: 802.11n(20)		Frequency(MHz): 5180			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
10792.00	V	58.16	74.00	-15.84	Peak
10792.00	V	44.71	54.00	-9.29	Avg
13308.00	V	58.31	74.00	-15.69	Peak
13308	V	45.59	54.00	-8.41	Avg
15484.00	V	57.79	74.00	-16.21	Peak
15484.00	V	44.86	54.00	-9.14	Avg
11030.00	H	58.32	74.00	-15.68	Peak
11030.00	H	45.18	54.00	-8.82	Avg
15348.00	H	58.65	74.00	-15.35	Peak
15348.00	H	45.43	54.00	-8.57	Avg
16640.00	H	58.39	74.00	-15.61	Peak
16640.00	H	45.87	54.00	-8.13	Avg

Test mode: 802.11n(20)		Frequency(MHz): 5200			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
9398.000	V	58.86	74.00	-15.14	Peak
9398.000	V	46.54	54.00	-7.46	Avg
11676.00	V	58.64	74.00	-15.36	Peak
11676.00	V	45.88	54.00	-8.12	Avg
16402.00	V	59.02	74.00	-14.98	Peak
16402.00	V	45.71	54.00	-8.29	Avg
11166.00	H	58.44	74.00	-15.56	Peak
11166.00	H	45.19	54.00	-8.81	Avg
13988.00	H	58.87	74.00	-15.13	Peak
13988.00	H	45.39	54.00	-8.61	Avg
16912.00	H	58.77	74.00	-15.23	Peak
16912.00	H	45.94	54.00	-8.06	Avg

Test mode: 802.11n(20)		Frequency(MHz): 5240			
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
9670.000	V	58.03	74.00	-15.97	Peak
9670.000	V	44.99	54.00	-9.01	Avg
13376.00	V	58.06	74.00	-15.94	Peak
13376.00	V	45.40	54.00	-8.60	Avg
17320.00	V	58.09	74.00	-15.91	Peak
17320.00	V	45.43	54.00	-8.57	Avg
9670.000	H	58.59	74.00	-15.41	Peak
9670.000	H	45.75	54.00	-8.25	Avg
13920.00	H	58.88	74.00	-15.12	Peak
13920.00	H	45.44	54.00	-8.56	Avg
15790.00	H	58.64	74.00	-15.36	Peak
15790.00	H	45.83	54.00	-8.17	Avg

● ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11n(20) Frequency(MHz): 5180

Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5126.6	V	47.64	-47.59	-27	Pass
5066.8	H	45.55	-49.68	-27	Pass

Test mode: 802.11n(20) Frequency(MHz): 5240

Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5434.48	V	47.43	-47.8	-27	Pass
5379.04	H	45.89	-49.34	-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[dBuV/m] + 20 log(d[meters]) - 104.77
 d is the measurement distance in 3 meters

Test mode: 802.11n(20) Frequency(MHz): 5180

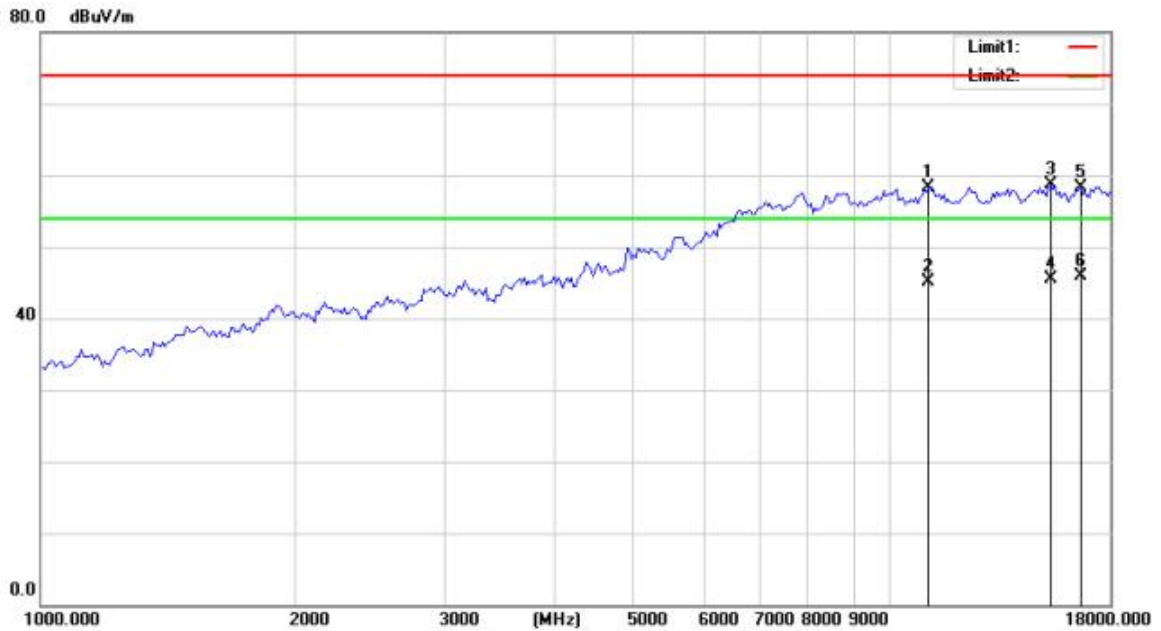
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5126.600	V	47.64	74.00	-26.36	Peak
5126.600	V	33.78	54.00	-20.22	Avg
5066.800	H	45.55	74.00	-28.45	Peak
5066.800	H	31.84	54.00	-22.16	Avg

Test mode: 802.11n(20) Frequency(MHz): 5240

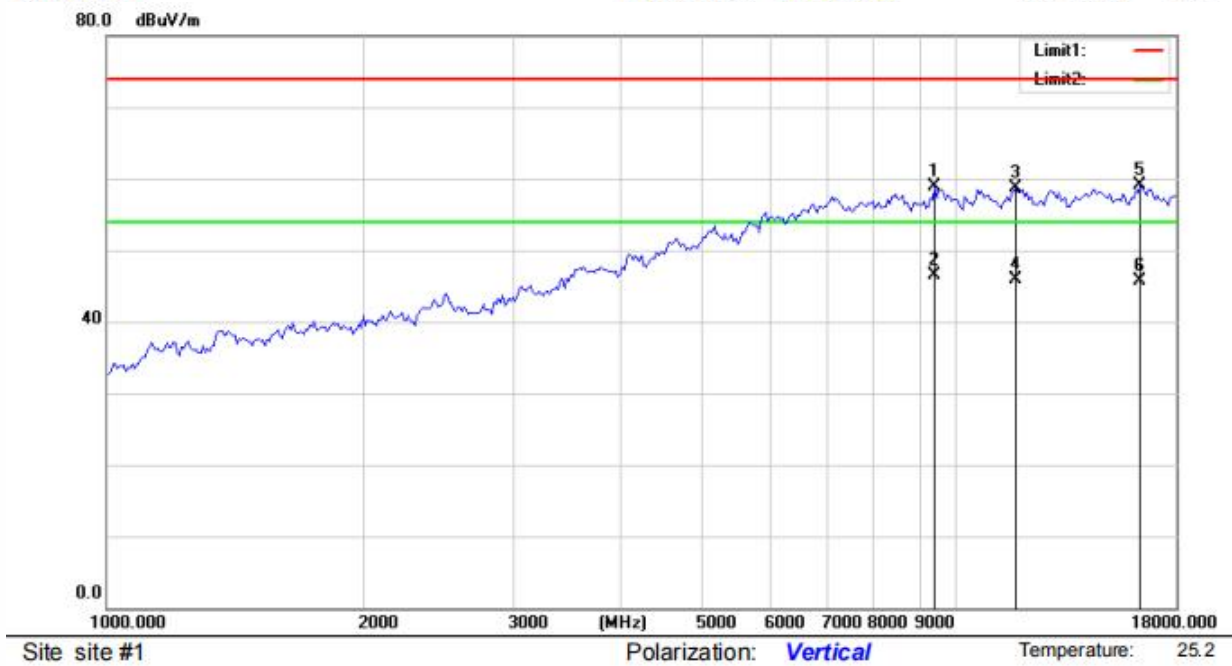
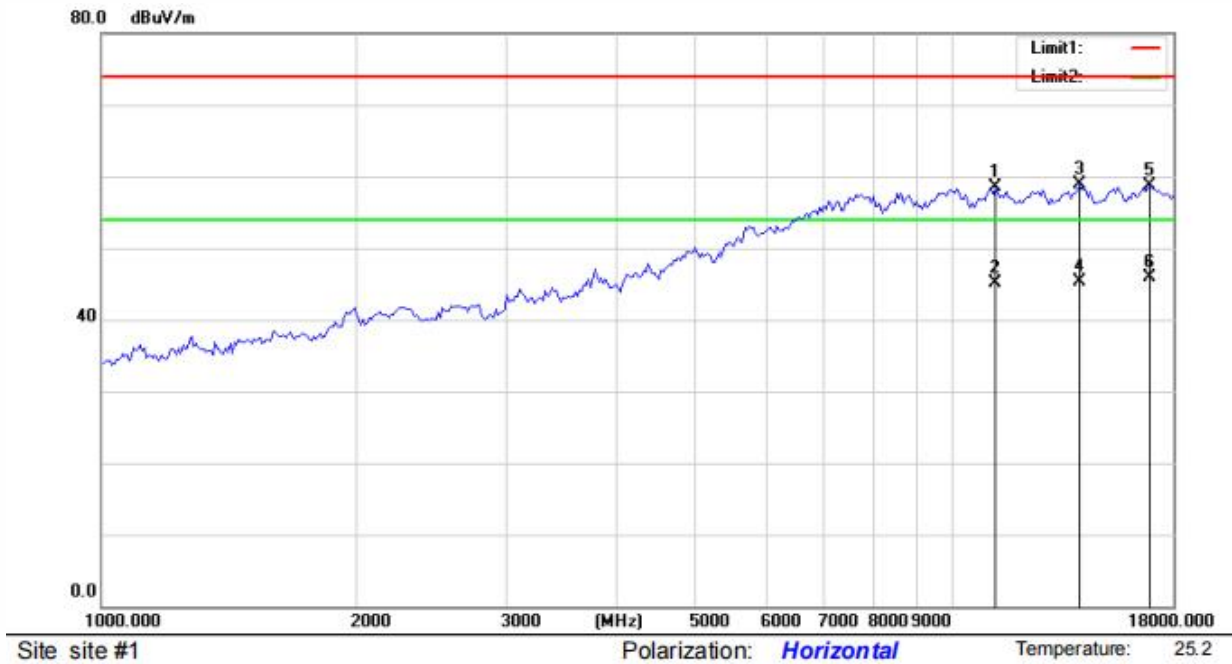
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5434.480	V	47.43	74.00	-26.57	Peak
5434.480	V	34.69	54.00	-19.31	Avg
5379.040	H	45.89	74.00	-28.11	Peak
5379.040	H	32.53	54.00	-21.47	Avg

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) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

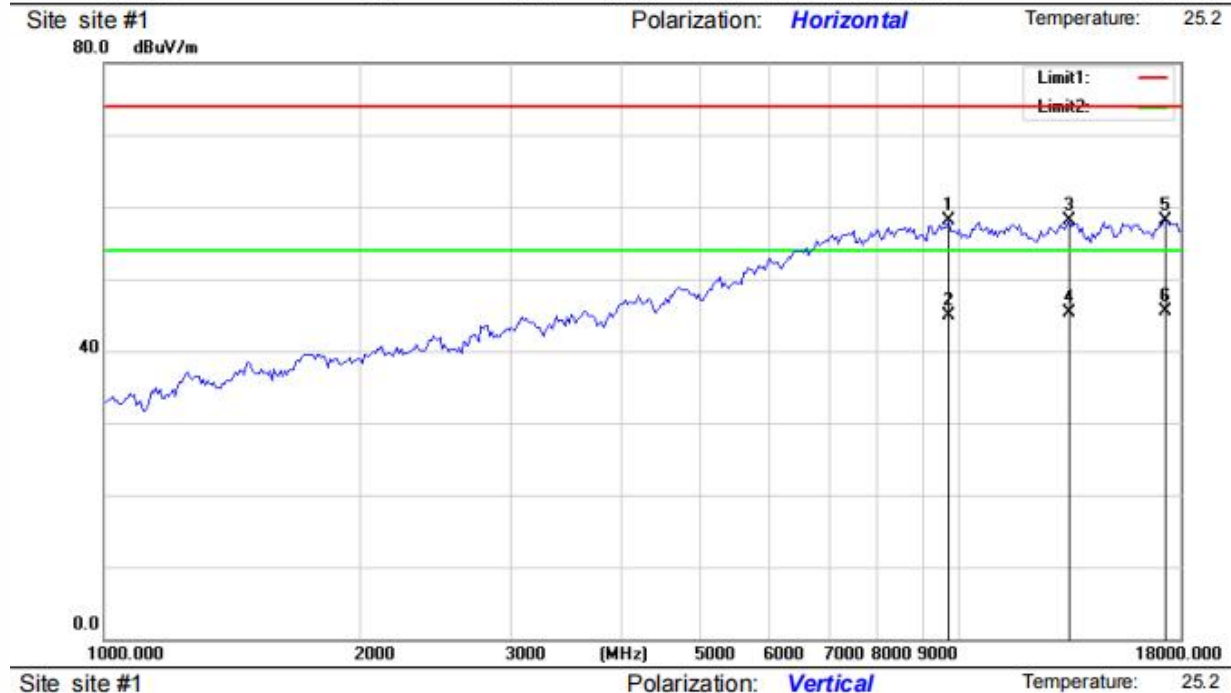
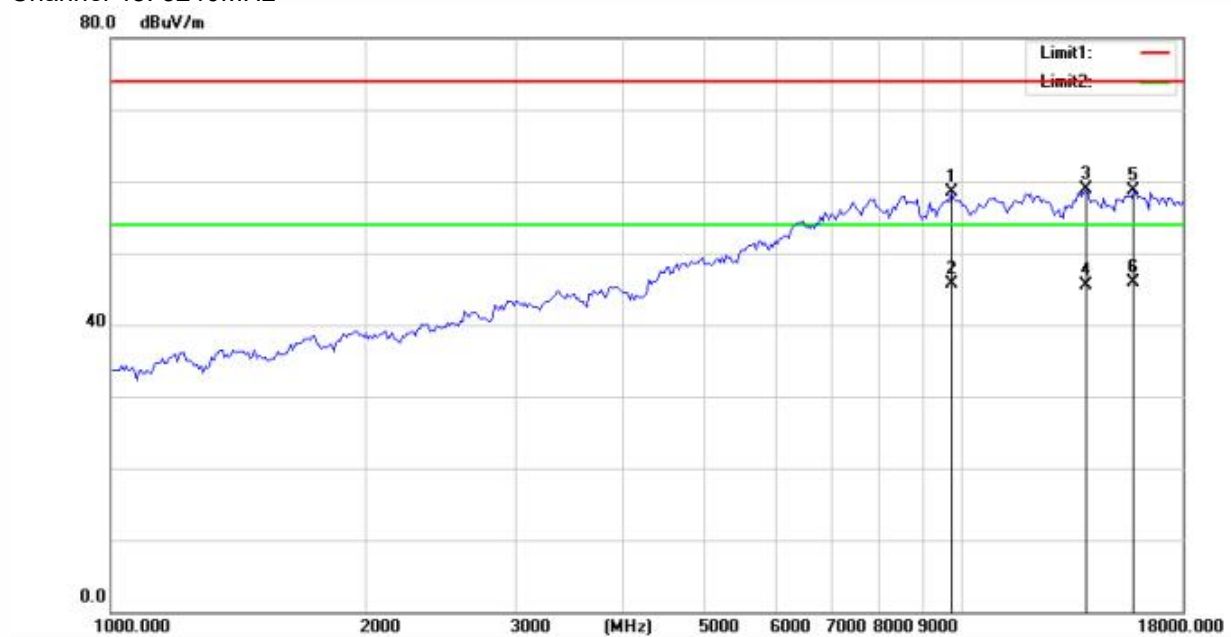
Channel 36: 5180MHz



Channel 40: 5200MHz

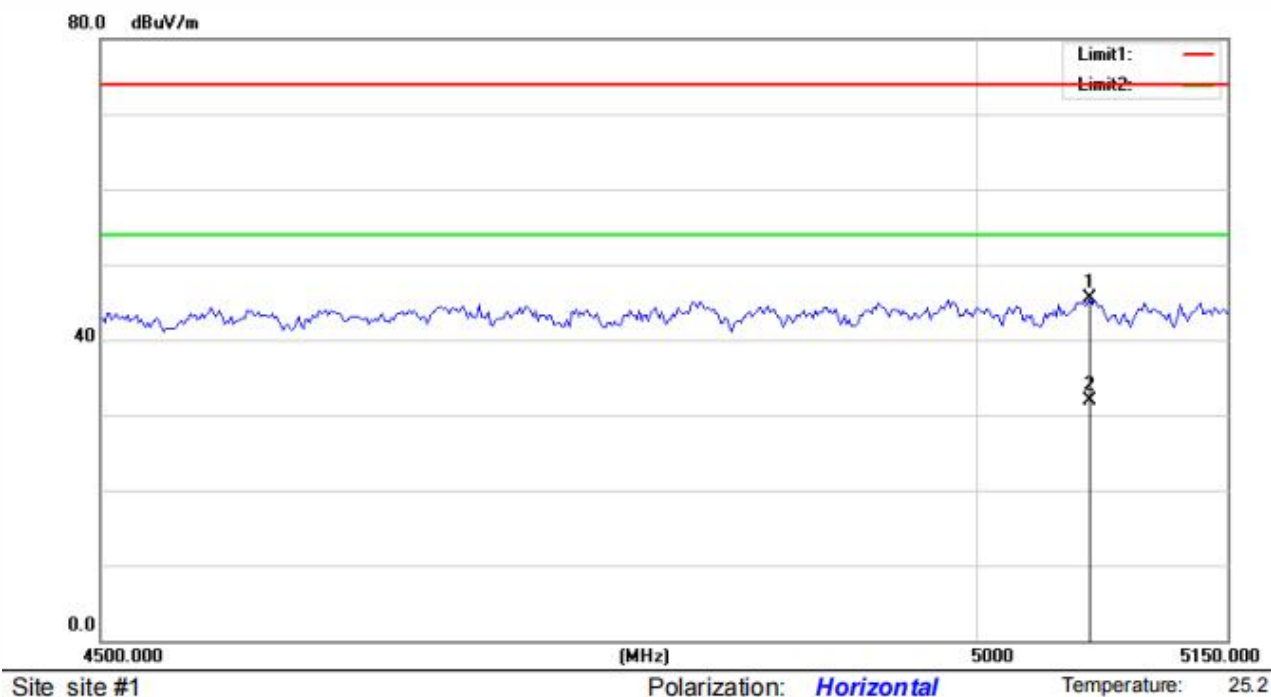


Channel 48: 5240MHz

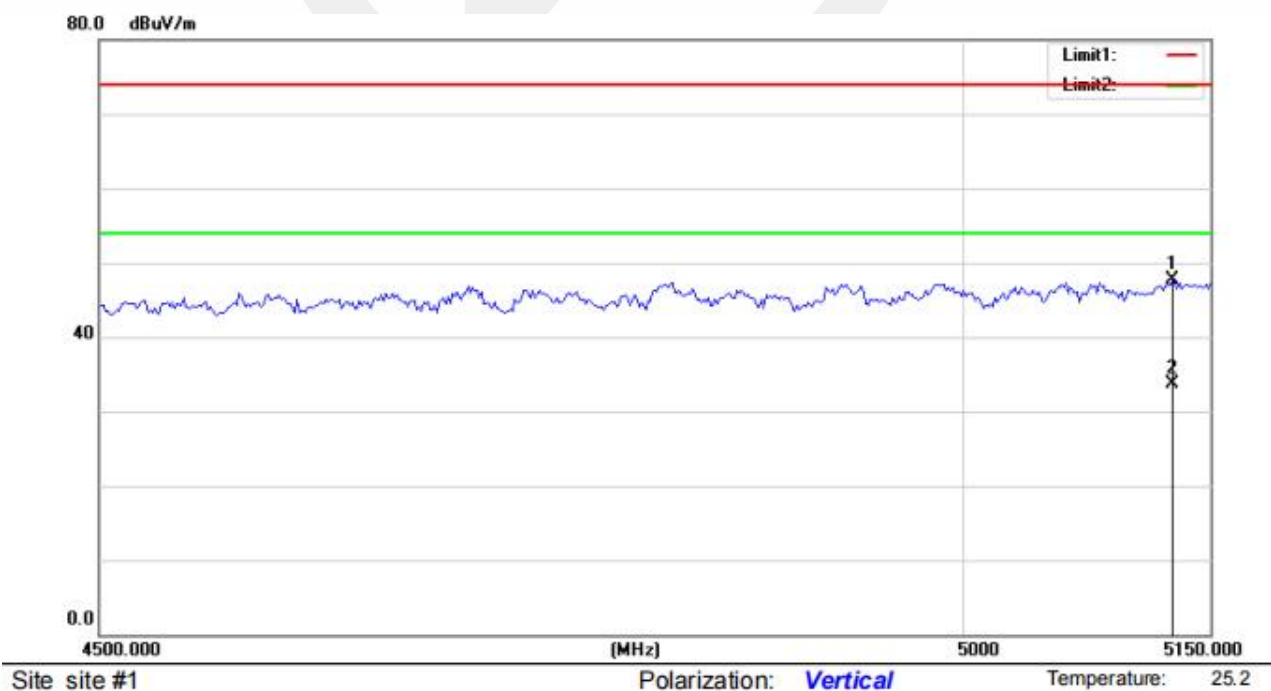


Note: Scan from 1GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed.

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



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



U-NII - 1

Test Model

Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)

☐ 802.11a

☒ 802.11n(HT20)

☐ 802.11n(HT40)

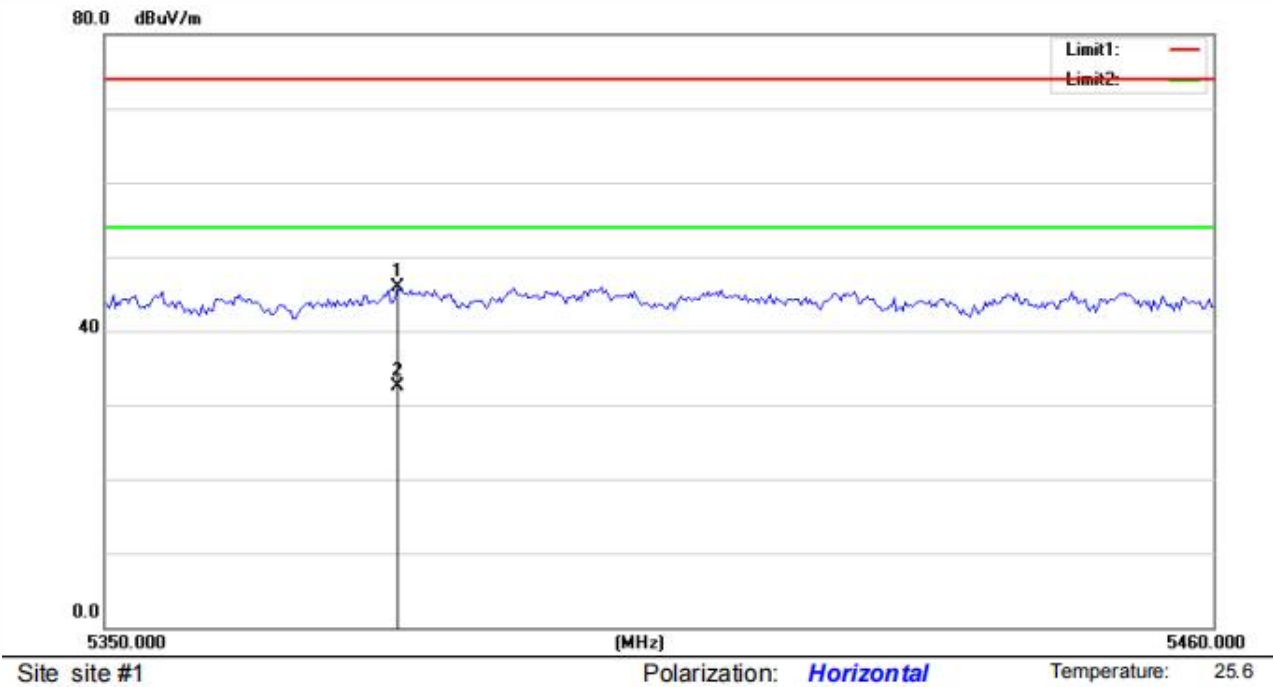
☐ 5180

☐ 5200

☒ 5240

Ant.Pol

H



U-NII - 1

Test Model

Undesirable radiated Spurious Emission in Restricted Band (5350-5400MHz)

☐ 802.11a

☒ 802.11n(HT20)

☐ 802.11n(HT40)

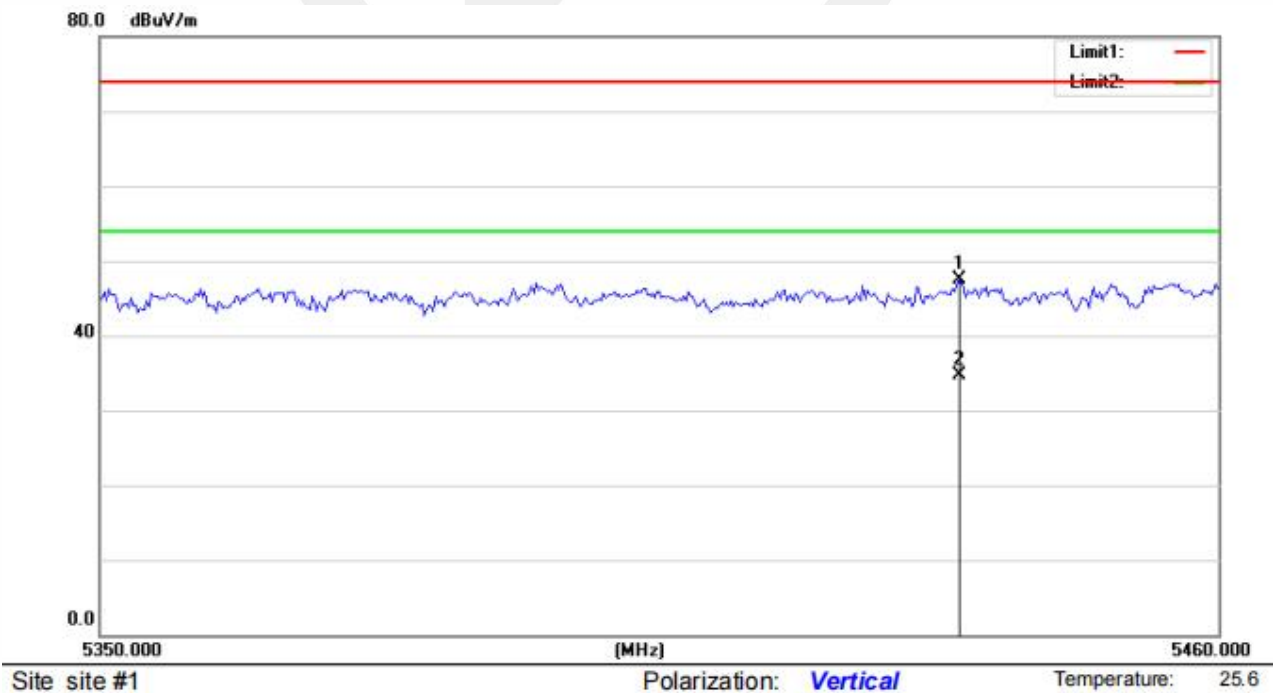
☐ 5180

☐ 5200

☒ 5240

Ant.Pol

V





- ☒ For Undesirable radiated Spurious Emission in U-NII -3
 - ☒ Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)
- All of the configurations or modes are tested, the data of the worst case is recorded in the report.
Highest gain of each antenna and highest output power is ANT1 and MIMO as below:

ANT1:

Test mode: 802.11n(20) Frequency(MHz): 5745

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
6974.983	V	56.56	-38.67	-27	-11.67
9952.717	V	56.92	-38.31	-27	-11.31
10729.48	V	58.02	-37.21	-27	-10.21
6974.983	H	56.18	-39.05	-27	-12.05
9923.991	H	58.01	-37.22	-27	-10.22
11803.28	H	57.7	-37.53	-27	-10.53

Test mode: 802.11n(20) Frequency(MHz): 5785

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5471.422	V	54.6	-40.63	-27	-13.63
7221.15	V	56.25	-38.98	-27	-11.98
11237.32	V	57.63	-37.6	-27	-10.6
6995.172	H	55.85	-39.38	-27	-12.38
9923.991	H	56.68	-38.55	-27	-11.55
11237.32	H	58.27	-36.96	-27	-9.96

Test mode: 802.11n(20) Frequency(MHz): 5825

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
6340.436	V	56.23	-39	-27	-12
7432.914	V	58.4	-36.83	-27	-9.83
11204.89	V	57.83	-37.4	-27	-10.4
6974.983	H	55.85	-39.38	-27	-12.38
8465.379	H	56.2	-39.03	-27	-12.03
10667.63	H	57.32	-37.91	-27	-10.91

ANT1:

Test mode:		802.11n(20)		Frequency(MHz): 5745	
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
10248	V	58.48	74	-15.52	Peak
10248	V	45.22	54	-8.78	Avg
11200	V	59.06	74	-14.94	Peak
11200	V	46.11	54	-7.89	Avg
17422	V	59.18	74	-14.82	Peak
17422	V	45.69	54	-8.31	Avg
13172	H	57.91	74	-16.09	Peak
13172	H	45.19	54	-8.81	Avg
15178	H	58.68	74	-15.32	Peak
15178	H	45.63	54	-8.37	Avg
17762	H	58.45	74	-15.55	Peak
17762	H	45.6	54	-8.4	Avg

Test mode:		802.11n(20)	Frequency(MHz):		5785
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
11064	V	58.66	74	-15.34	Peak
11064	V	45.77	54	-8.23	Avg
13342	V	58.32	74	-15.68	Peak
13342	V	45.54	54	-8.46	Avg
15824	V	58.16	74	-15.84	Peak
15824	V	44.8	54	-9.2	Avg
10214	H	58.66	74	-15.34	Peak
10214	H	45.83	54	-8.17	Avg
14022	H	58.39	74	-15.61	Peak
14022	H	45.31	54	-8.69	Avg
15416	H	58.51	74	-15.49	Peak
15416	H	45.72	54	-8.28	Avg

Test mode:		802.11n(20)	Frequency(MHz):		5825
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
9398	V	58.2	74	-15.8	Peak
9398	V	45.36	54	-8.64	Avg
11200	V	58.04	74	-15.96	Peak
11200	V	45.07	54	-8.93	Avg
14158	V	58.44	74	-15.56	Peak
14158	V	44.6	54	-9.4	Avg
13070	H	58.37	74	-15.63	Peak
13070	H	45.87	54	-8.13	Avg
14090	H	58.77	74	-15.23	Peak
14090	H	45.91	54	-8.09	Avg
15620	H	58.51	74	-15.49	Peak
15620	H	45.64	54	-8.36	Avg

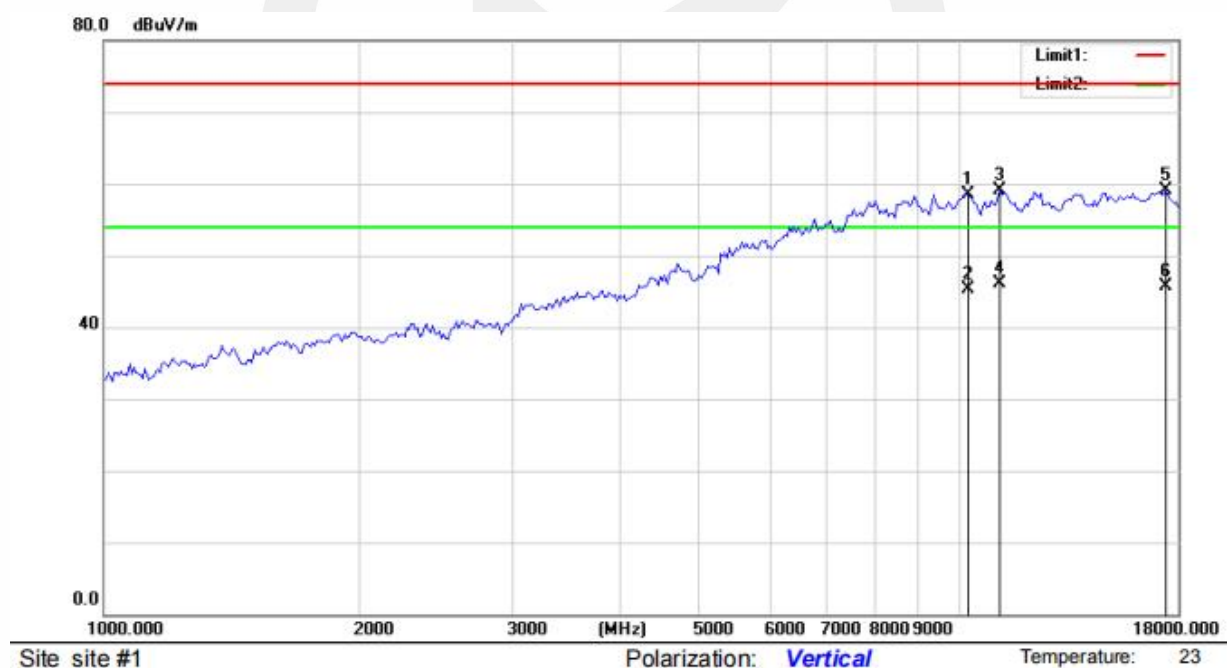
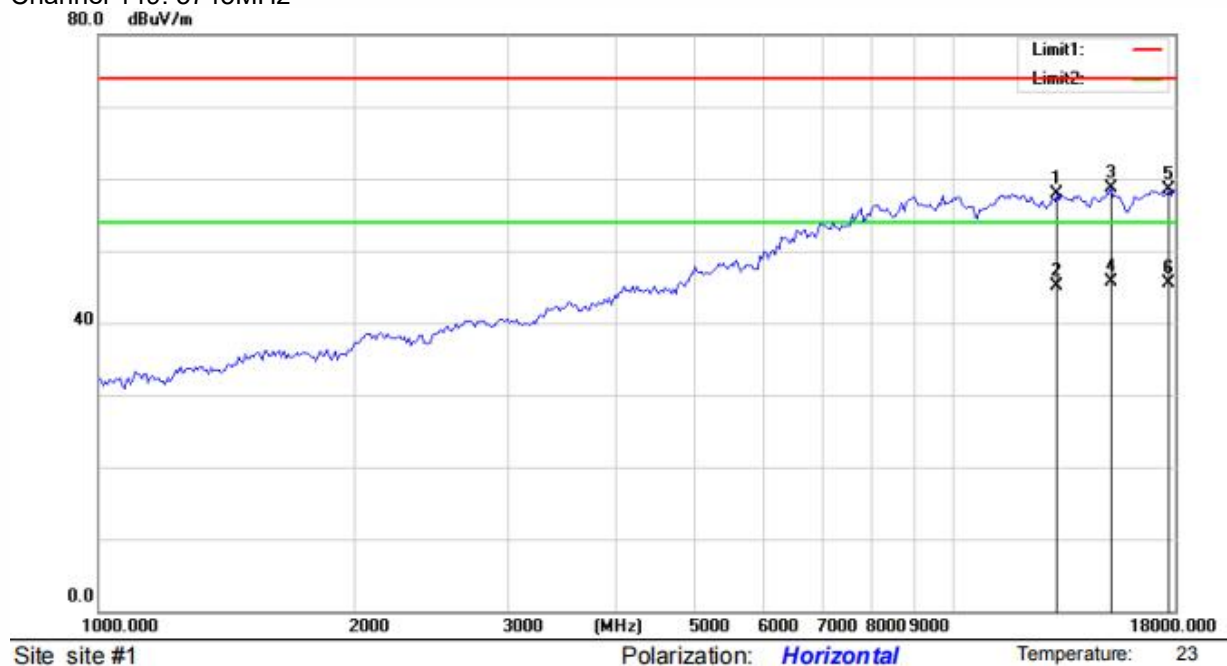
● ☒ Undesirable radiated Spurious Emission in band edge

Test mode:		Frequency:			
802.11n(20)		5745			
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5628	V	51.45	-43.78	-27	PASS
5645.5	H	50.4	-44.83	-27	PASS

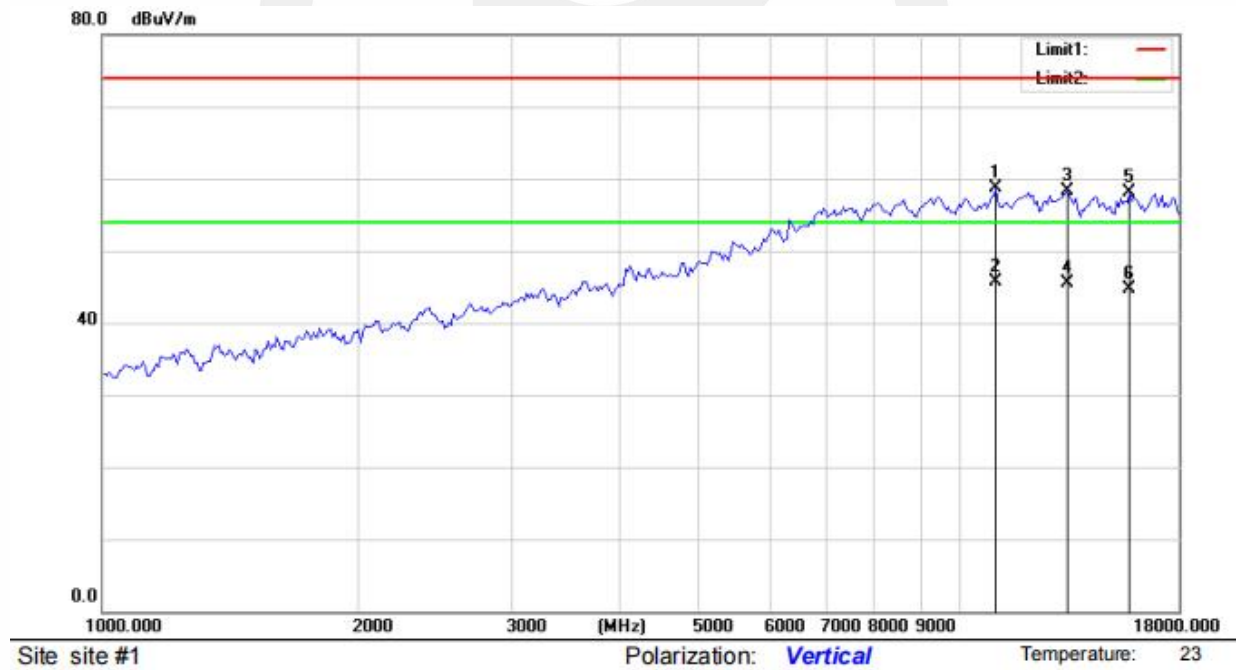
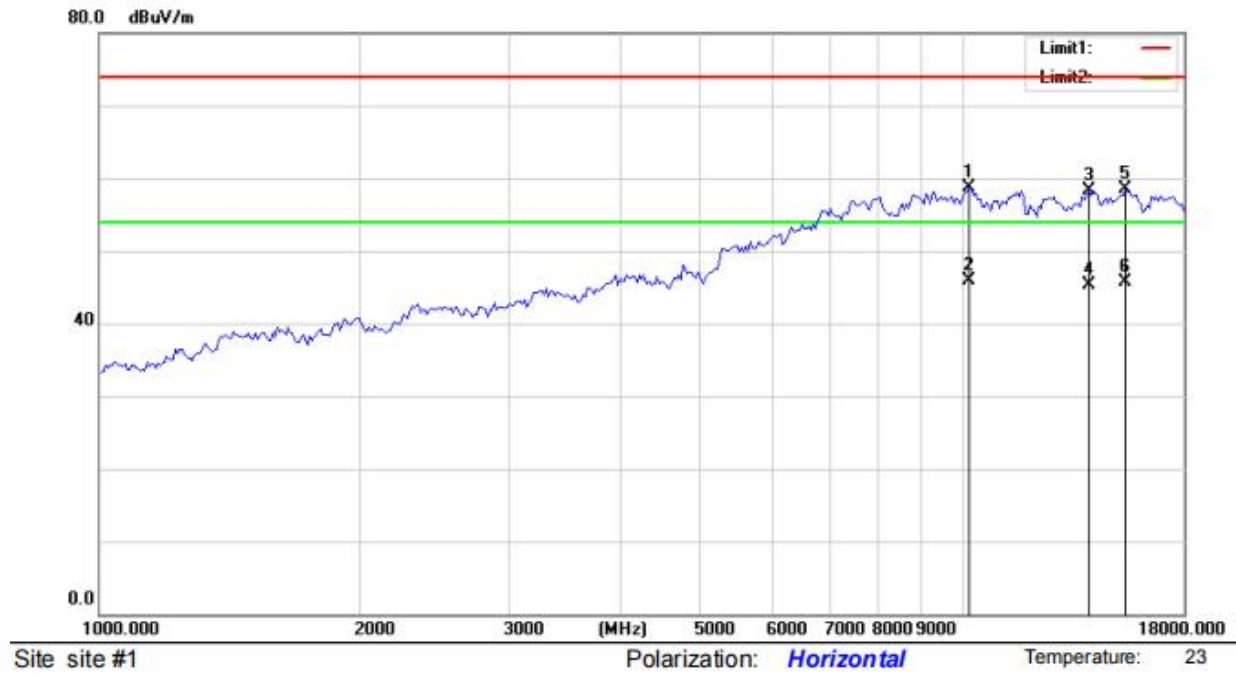
Test mode:		Frequency:			
802.11n(20)		5825			
Freq. (MHz)	Ant.Pol. H/V	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5970.25	V	52.61	-42.62	-27	PASS
5970.75	H	52.00	-43.23	-27	PASS

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[dBuV/m] + 20 log(d[meters]) - 104.77
 d is the measurement distance in 3 meters

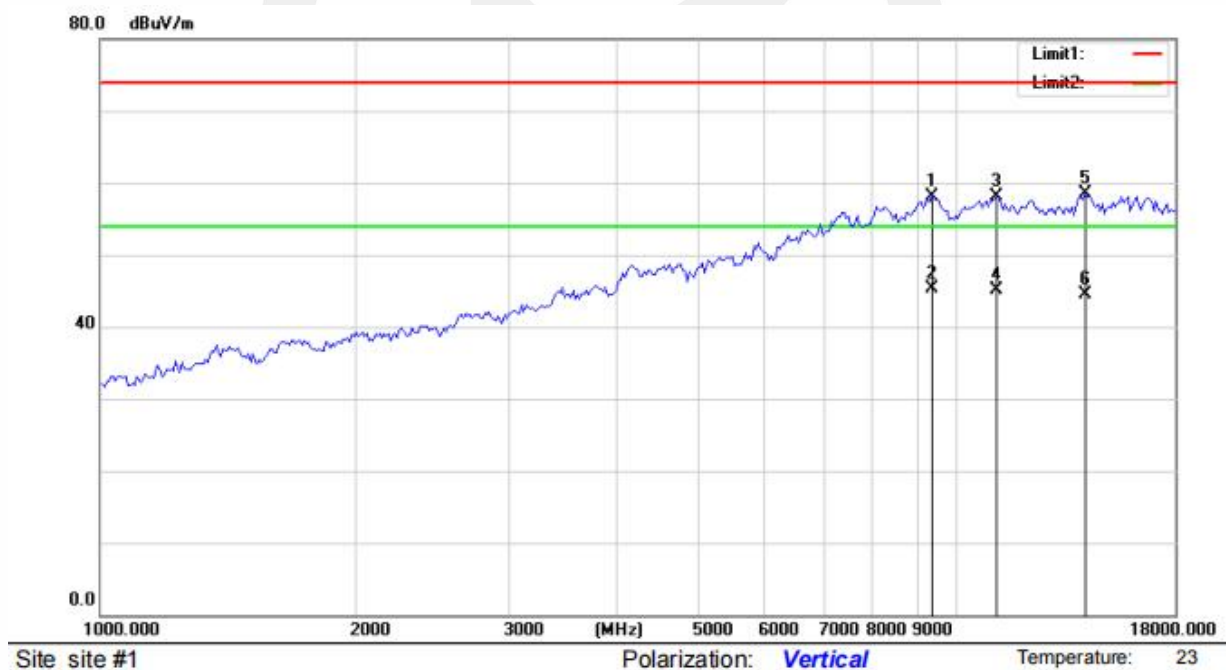
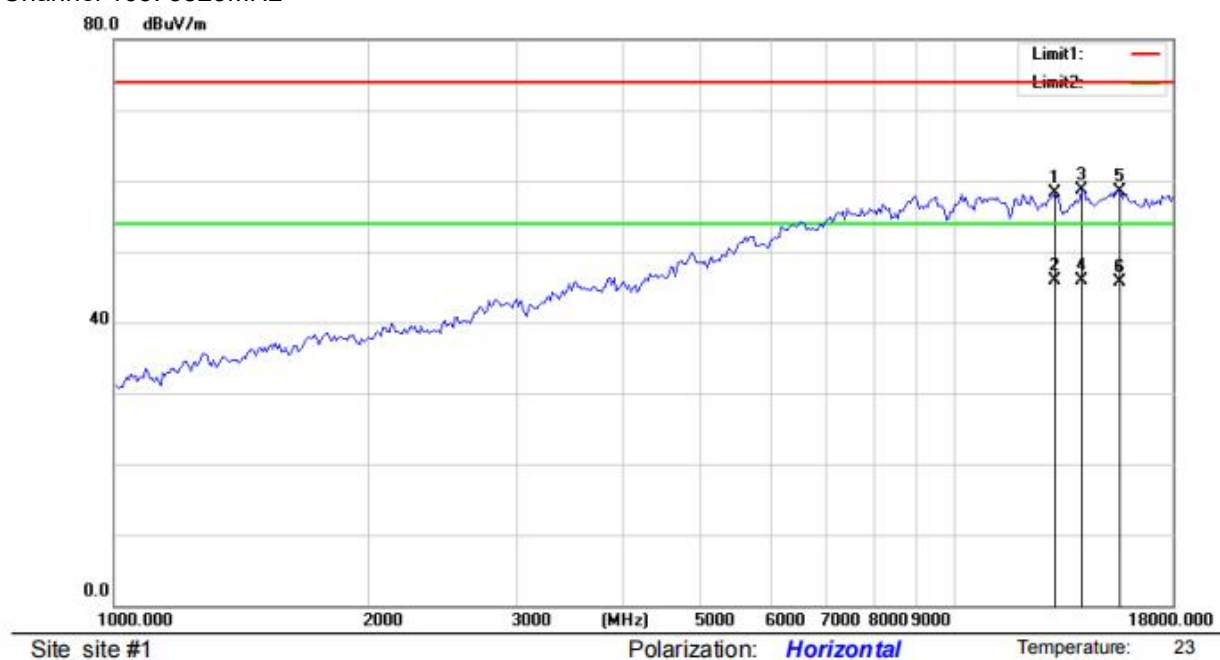
Channel 149: 5745MHz



Channel 157: 5785MHz

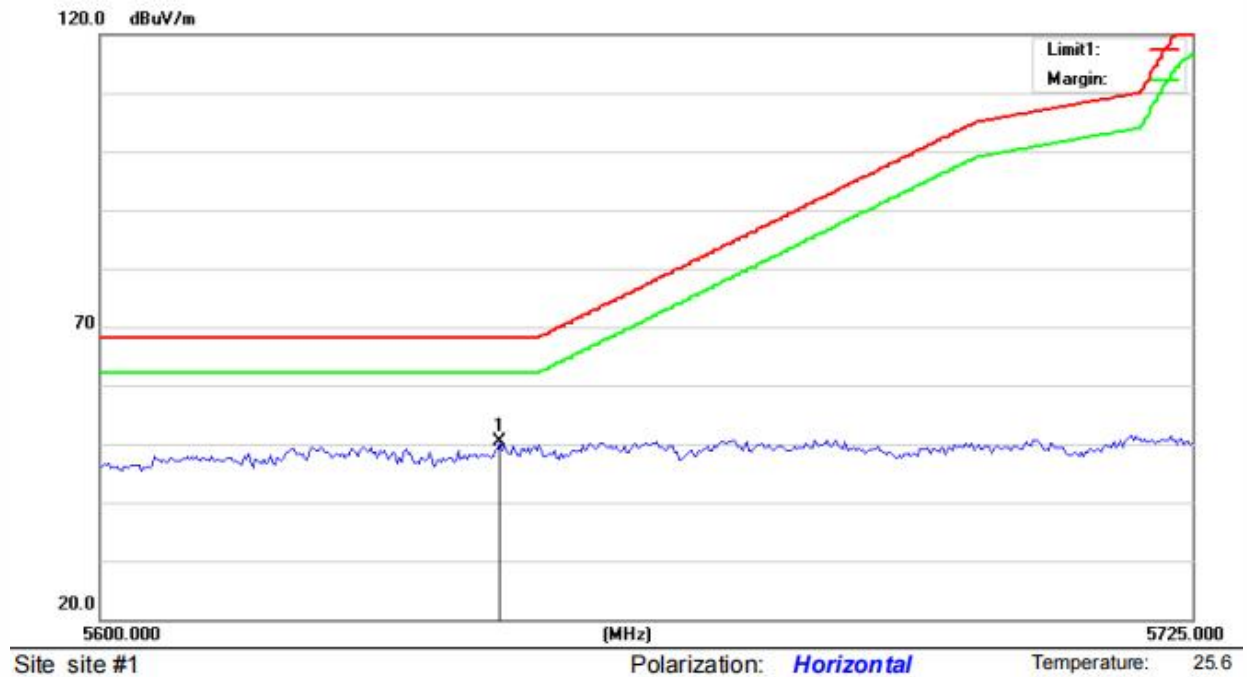


Channel 165: 5825MHz

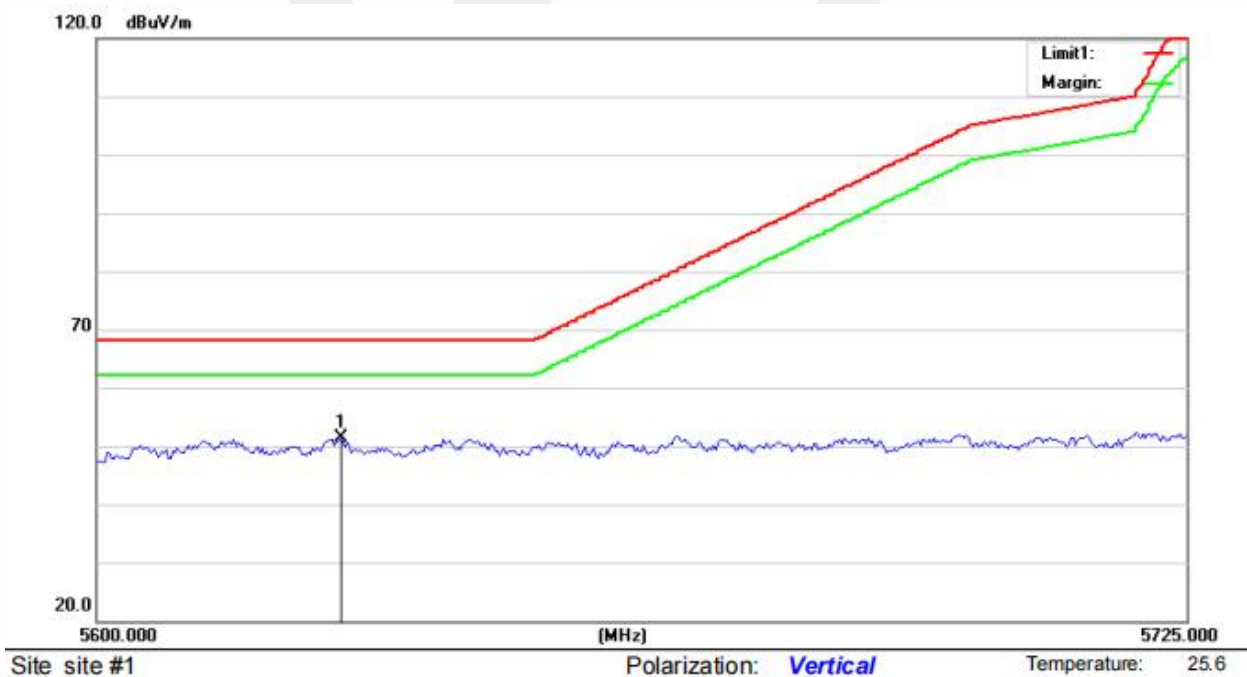


Note: Scan from 1GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed.

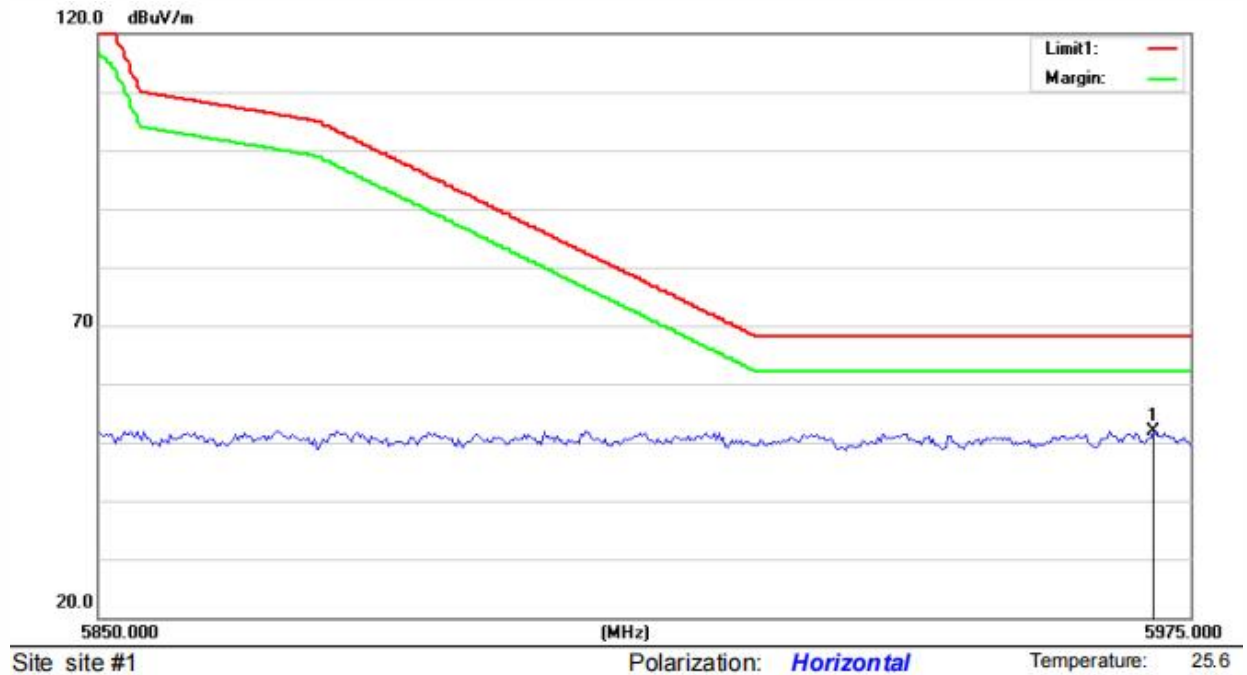
U-NII -3				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	☐ 802.11a	☒ 802.11n(HT20)	☐ 802.11n(HT40)	
		☒ 5745	Ant.Pol	H



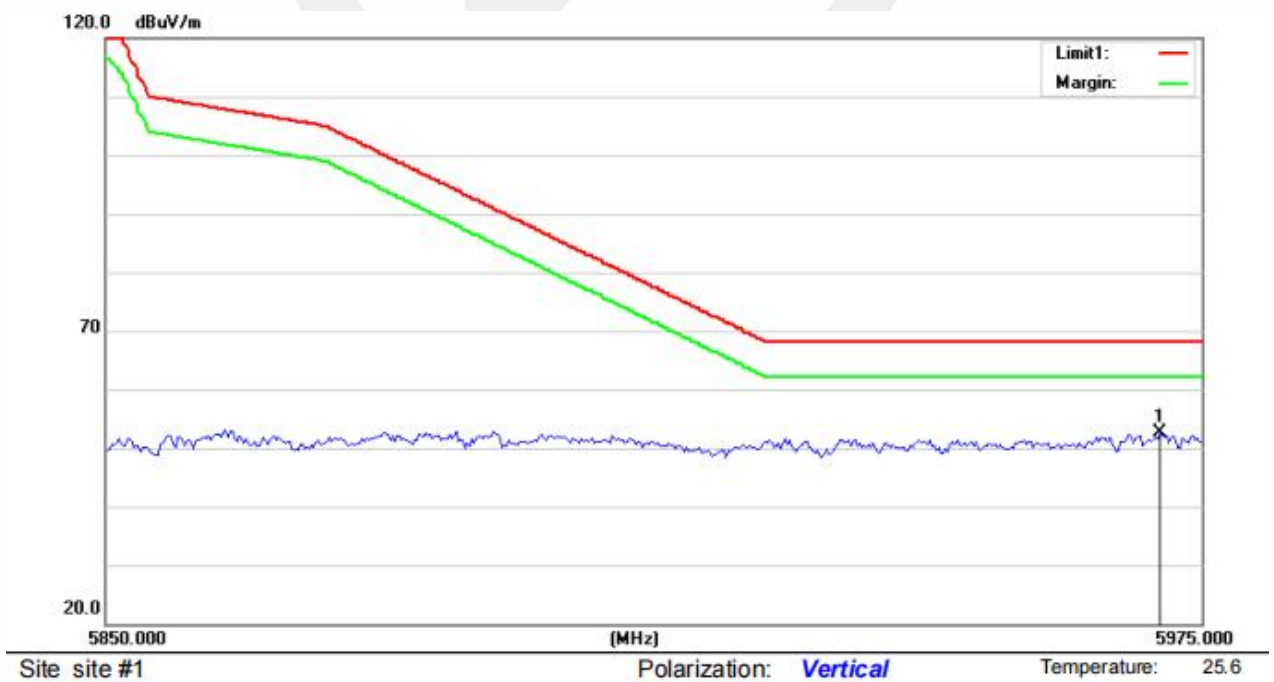
U-NII -3				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	☐ 802.11a	☒ 802.11n(HT20)	☐ 802.11n(HT40)	
		☒ 5745	Ant.Pol	V



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

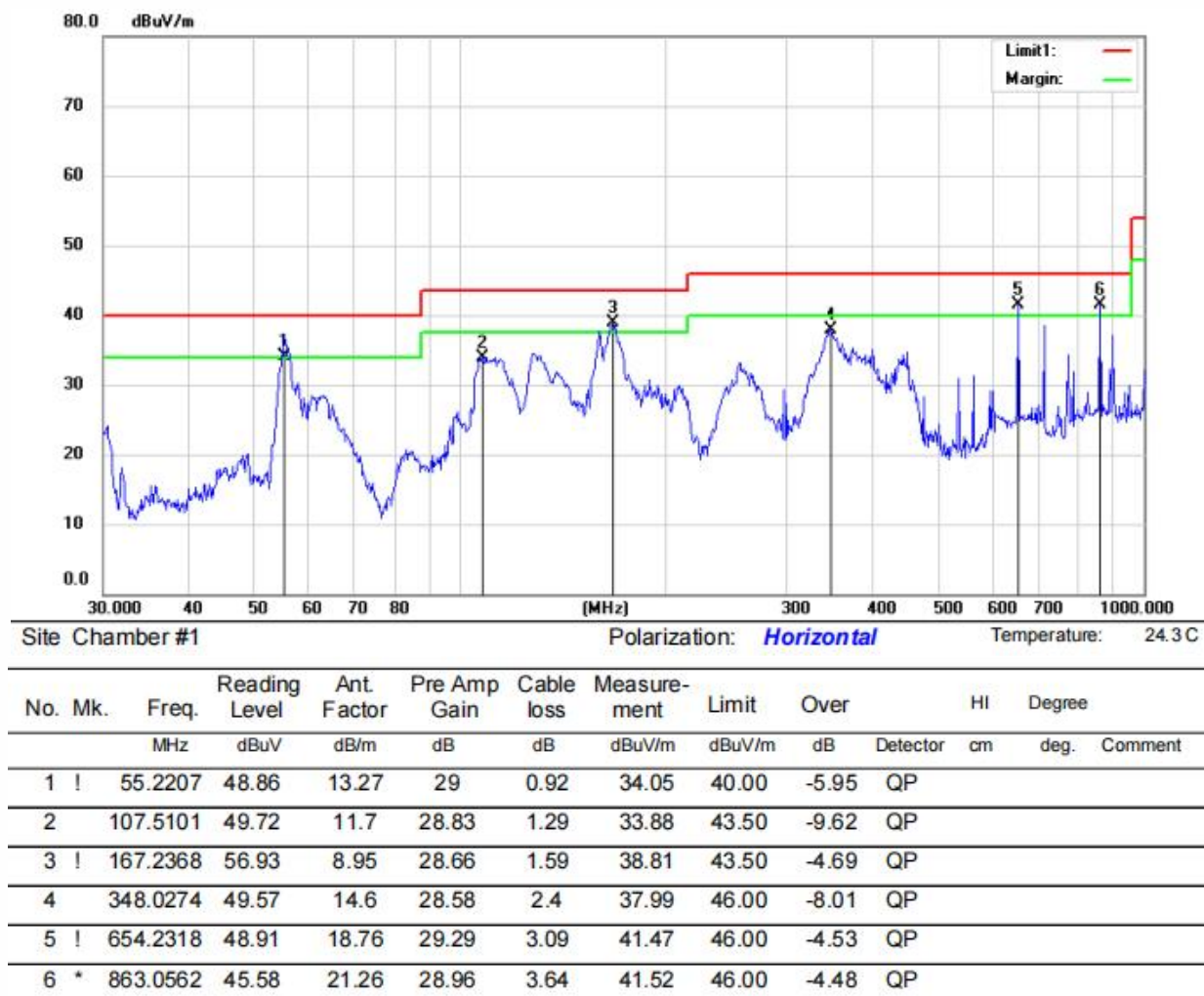


U-NII -3			
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge
	☐ 802.11a	☒ 802.11n(HT20)	☐ 802.11n(HT40)
		☒ 5825	
			Ant.Pol V



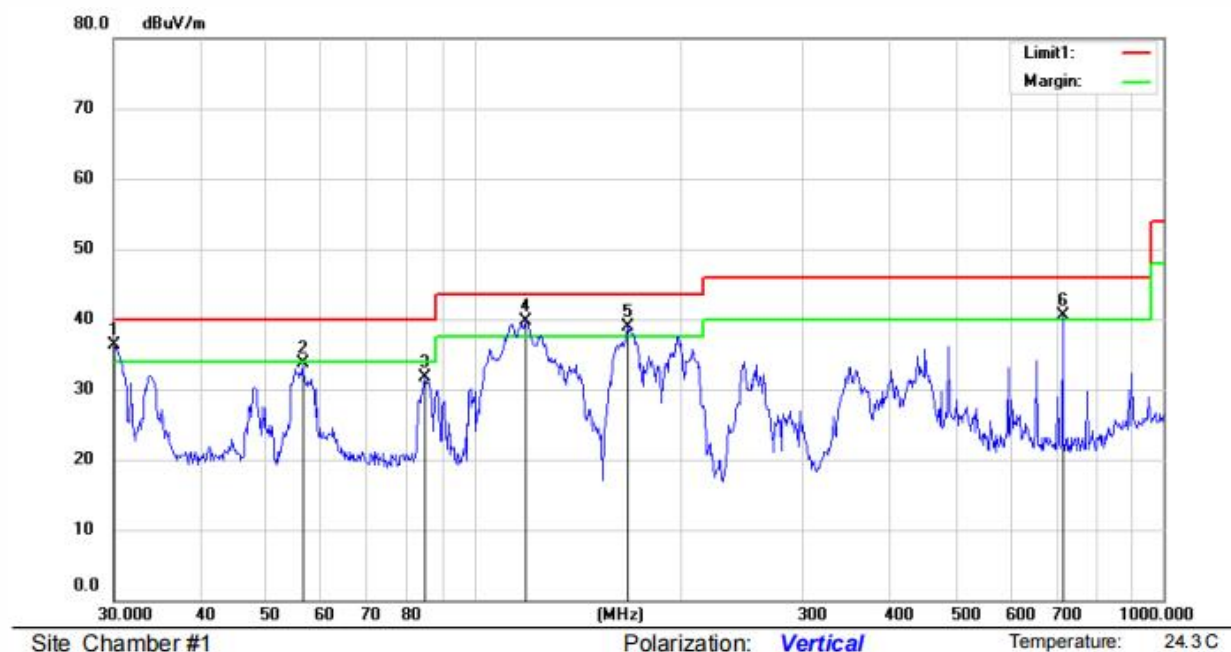
● Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)

All the antenna(Antenna 1) and modes(802.11a/n/ac/ax) have been tested and the worst(Antenna 1, 802.11a) result recorded was report as below:



*:Maximum data x:Over limit !:over margin

Operator: Ccyf



No.	Mk.	Freq. MHz	Reading Level dBuV	Ant. Factor dB/m	Pre Amp Gain dB	Cable loss dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	HI	Degree	Comment
1	*	30.0000	53.89	10.6	29.13	0.89	36.25	40.00	-3.75	QP		
2		56.3948	48.94	12.84	29.01	0.91	33.68	40.00	-6.32	QP		
3		84.7020	50.35	9.2	29.08	1.26	31.73	40.00	-8.27	QP		
4	!	118.6014	57.03	10.12	28.8	1.35	39.70	43.50	-3.80	QP		
5	!	167.2368	56.97	8.95	28.66	1.59	38.85	43.50	-4.65	QP		
6	!	714.1734	47.26	19.5	29.19	3.01	40.58	46.00	-5.42	QP		

*:Maximum data x:Over limit !:over margin

Operator: Ccyf

8.5 POWER LINE CONDUCTED EMISSIONS

8.5.1 Applicable Standard

According to FCC Part 15.207(a)

8.5.2 Conformance Limit

Frequency(MHz)	Conducted Emission Limit	
	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.

8.5.3 Test Configuration

Test according to clause 6.3 conducted emission test setup

8.5.4 Test Procedure

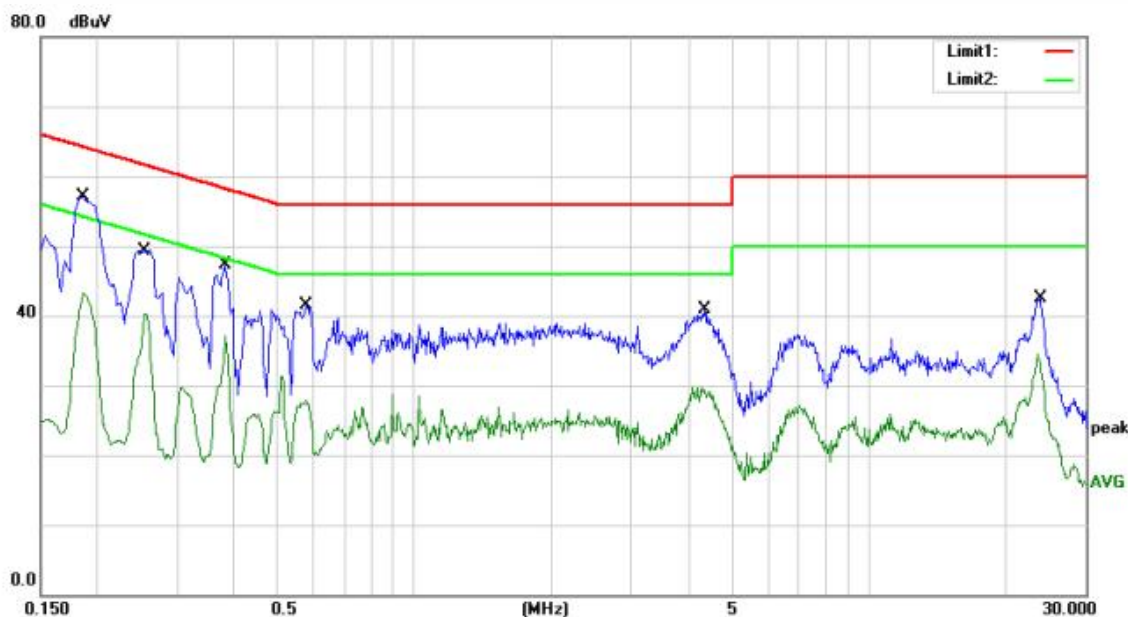
The EUT was placed on a table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Repeat above procedures until all frequency measured were complete.

8.5.5 Test Results

Temperature :	25.1℃	ATM Pressure::	1011 mbar
Humidity :	45 %	Test Engineer:	Lusi

Pass

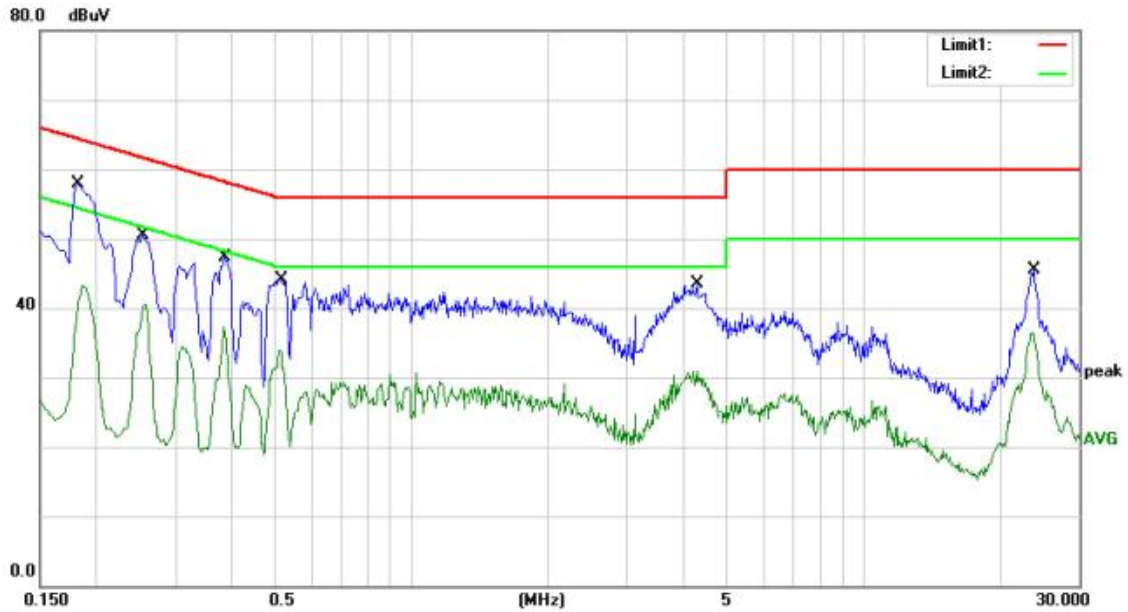
The 120V &240V voltage have been tested, and the worst result recorded was report as below:



Site site #1 Phase: L1 Temperature: 20.2

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1874	38.43	18.33	56.76	64.15	-7.39	QP	
2		0.1874	24.81	18.33	43.14	54.15	-11.01	AVG	
3		0.2540	31.05	18.16	49.21	61.63	-12.42	QP	
4		0.2540	22.21	18.16	40.37	51.63	-11.26	AVG	
5		0.3820	29.42	17.84	47.26	58.24	-10.98	QP	
6		0.3820	19.25	17.84	37.09	48.24	-11.15	AVG	
7		0.5780	23.86	17.55	41.41	56.00	-14.59	QP	
8		0.5780	10.42	17.55	27.97	46.00	-18.03	AVG	
9		4.3380	23.15	17.72	40.87	56.00	-15.13	QP	
10		4.3380	11.53	17.72	29.25	46.00	-16.75	AVG	
11		23.5580	24.66	17.82	42.48	60.00	-17.52	QP	
12		23.5580	16.71	17.82	34.53	50.00	-15.47	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: Lusi



Site site #1 Phase: **N** Temperature: 20.2

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1806	37.06	18.34	55.40	64.46	-9.06	QP	
2		0.1806	20.10	18.34	38.44	54.46	-16.02	AVG	
3		0.2540	32.27	18.16	50.43	61.63	-11.20	QP	
4		0.2540	22.38	18.16	40.54	51.63	-11.09	AVG	
5		0.3860	29.54	17.83	47.37	58.15	-10.78	QP	
6		0.3860	17.30	17.83	35.13	48.15	-13.02	AVG	
7		0.5101	26.54	17.55	44.09	56.00	-11.91	QP	
8		0.5101	16.40	17.55	33.95	46.00	-12.05	AVG	
9		4.2740	25.69	17.72	43.41	56.00	-12.59	QP	
10		4.2740	11.49	17.72	29.21	46.00	-16.79	AVG	
11		23.7460	27.72	17.82	45.54	60.00	-14.46	QP	
12		23.7460	18.74	17.82	36.56	50.00	-13.44	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: Lusi

8.6 ANTENNA APPLICATION

8.6.1 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.

8.6.2 Result

Temperature : 25°C ATM Pressure:: 1011 mbar
Humidity : 60 % Test Engineer: XXH

PASS

The EUT is chip Antenna.

- ☒ 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 ---

声 明 Statement

1. 本报告无授权批准人签字及“检验检测专用章”无效。
1. This report is invalid without the signature of the authorized approver and "special seal for testing".
2. 未经许可本报告不得部分复制。
2. This report shall not be copied partly without authorization.
3. 本报告的检测结果仅对送测样品有效，委托方对样品的代表性和资料的真实性负责。
3. The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the sample and authenticity of the material.
4. 本检测报告中检测项目标注有特殊符号则该项目不在资质认定范围内，仅作为客户委托、科研、教学或内部质量控制等目的使用。
4. The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
5. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，本实验室不承担相关责任，特别约定、标准或规范中有明确规定的除外。
5. The test results or observations are provided in accordance with measured value, without taking risks caused by uncertainty into account. Without explicit stipulation in special agreements, standards or regulations, EMTEK shall not assume any responsibility.
6. 对本检验报告若有异议，请于收到报告之日起 20 日内提出。
6. Objections shall be raised within 20 days from the date receiving the report.