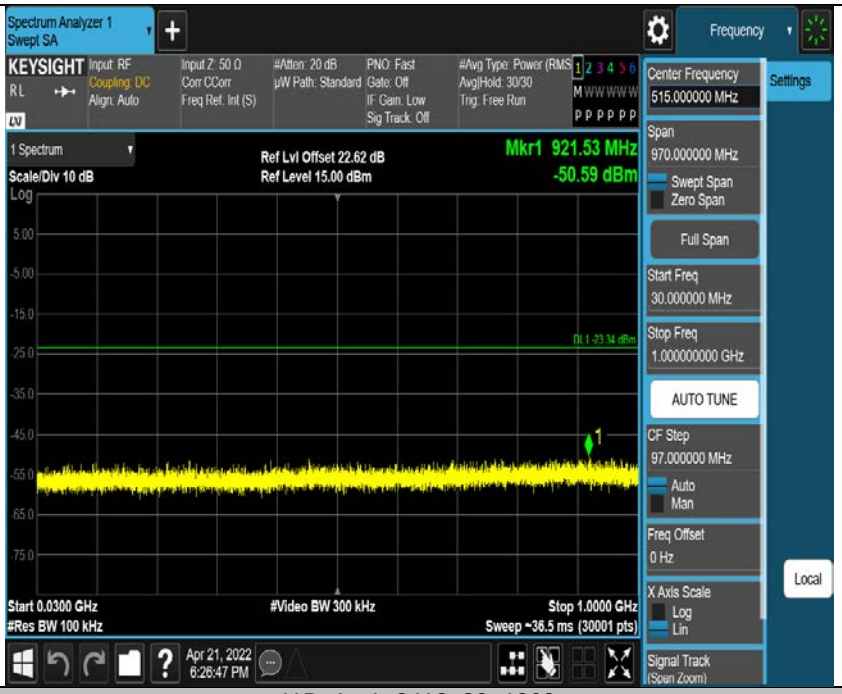
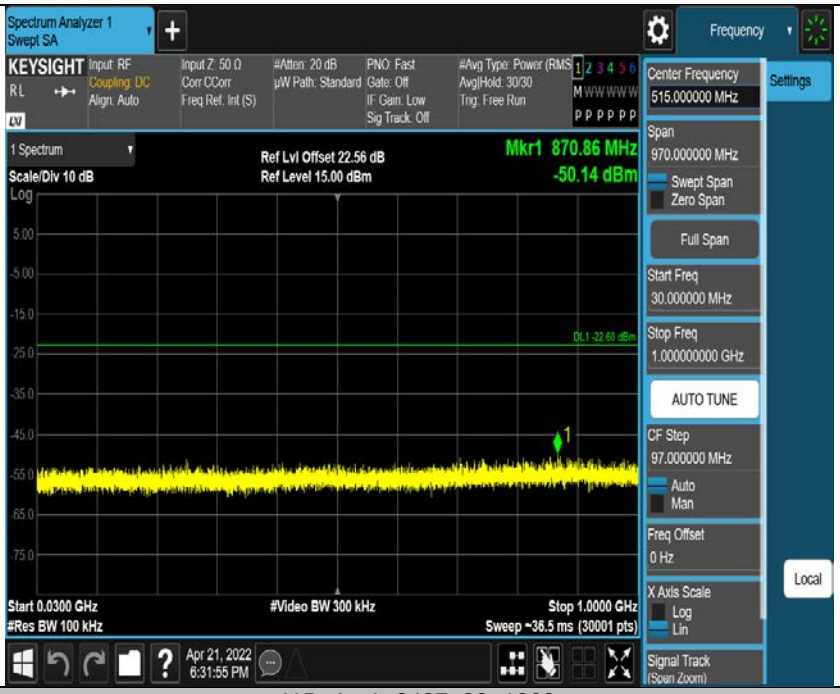
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	6.66	-50.59	≤-23.34	PASS
			1000~26500	6.66	-38.77	≤-23.34	PASS
		2437	30~1000	7.40	-50.14	≤-22.6	PASS
			1000~26500	7.40	-39.39	≤-22.6	PASS
		2462	30~1000	10.17	-50.82	≤-19.83	PASS
			1000~26500	10.17	-39.26	≤-19.83	PASS
11G	Ant1	2412	30~1000	1.97	-48.79	≤-28.03	PASS
			1000~26500	1.97	-38.73	≤-28.03	PASS
		2437	30~1000	2.57	-50.51	≤-27.43	PASS
			1000~26500	2.57	-37.8	≤-27.43	PASS
		2462	30~1000	2.69	-49.75	≤-27.31	PASS
			1000~26500	2.69	-38.6	≤-27.31	PASS
11N20SISO	Ant1	2412	30~1000	0.28	-49.94	≤-29.72	PASS
			1000~26500	0.28	-39.36	≤-29.72	PASS
		2437	30~1000	0.55	-49.43	≤-29.45	PASS
			1000~26500	0.55	-38.77	≤-29.45	PASS
		2462	30~1000	1.05	-50.25	≤-28.95	PASS
			1000~26500	1.05	-39.42	≤-28.95	PASS
11N40SISO	Ant1	2422	30~1000	-2.58	-50.18	≤-32.58	PASS
			1000~26500	-2.58	-38.8	≤-32.58	PASS
		2437	30~1000	-2.15	-49.65	≤-32.15	PASS
			1000~26500	-2.15	-39.18	≤-32.15	PASS
		2452	30~1000	-1.87	-50.5	≤-31.87	PASS
			1000~26500	-1.87	-38.23	≤-31.87	PASS



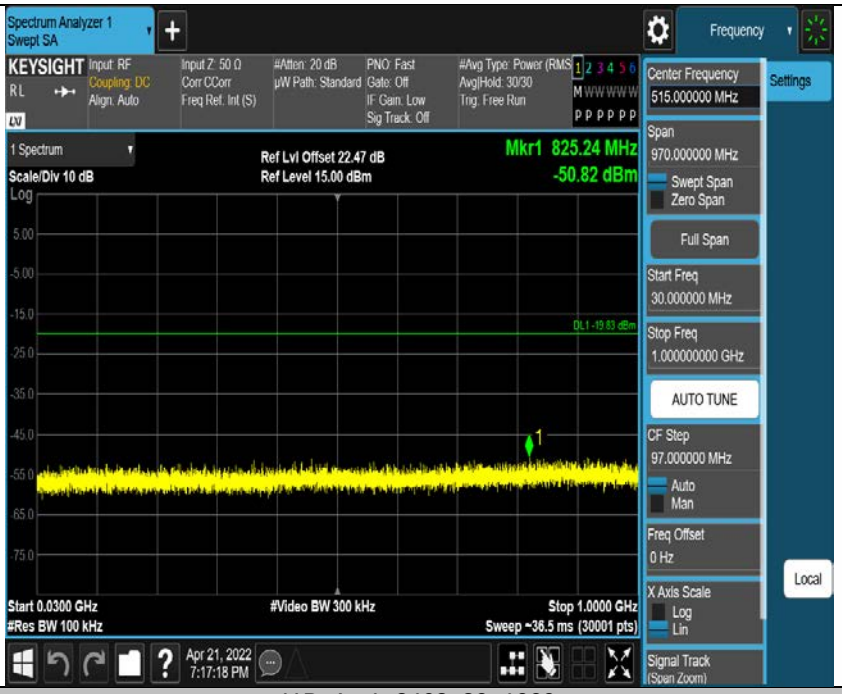
11B_Ant1_2412_30~1000

11B_Ant1_2412_1000~26500



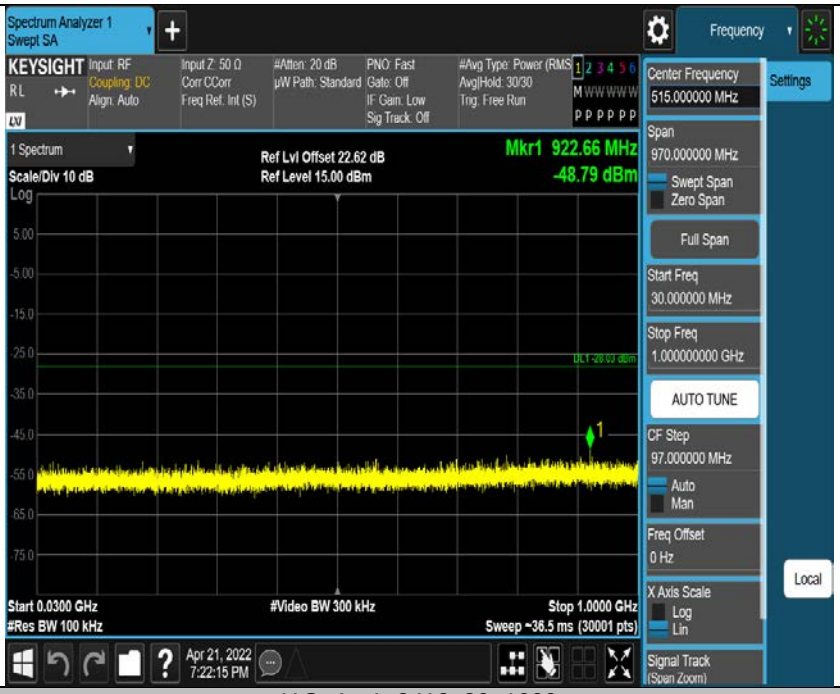
11B_Ant1_2437_30~1000

11B_Ant1_2437_1000~26500



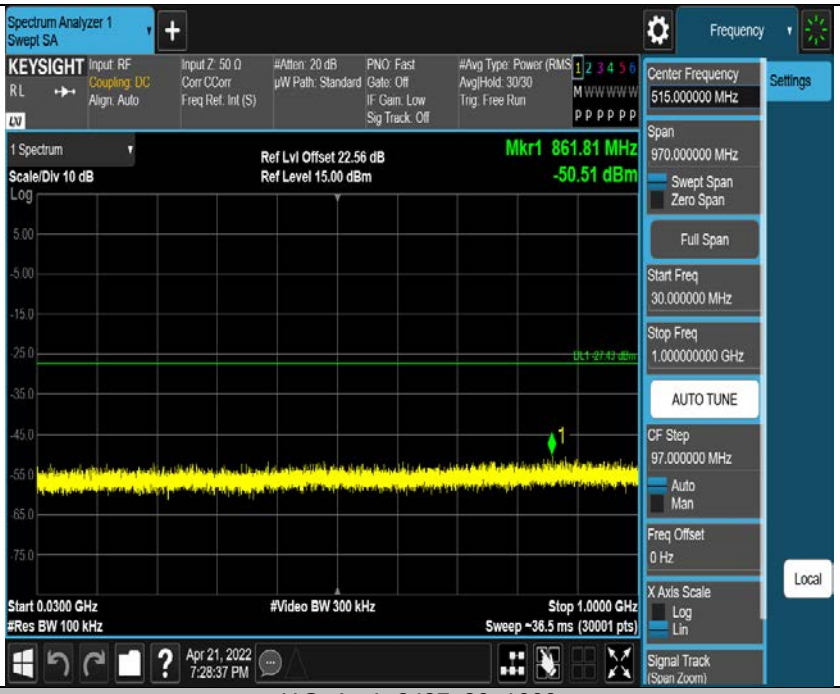
11B_Ant1_2462_30~1000

11B_Ant1_2462_1000~26500



11G_Ant1_2412_30~1000

11G_Ant1_2412_1000~26500



11G_Ant1_2437_30~1000

11G_Ant1_2437_1000~26500

11G_Ant1_2462_30~1000

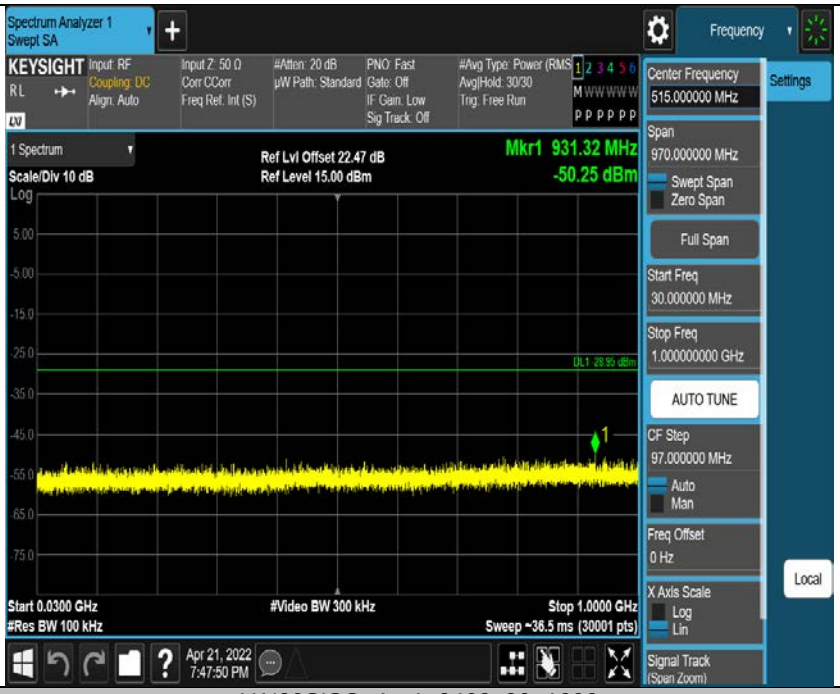
11G_Ant1_2462_1000~26500

11N20SISO_Ant1_2412_30~1000

11N20SISO_Ant1_2412_1000~26500

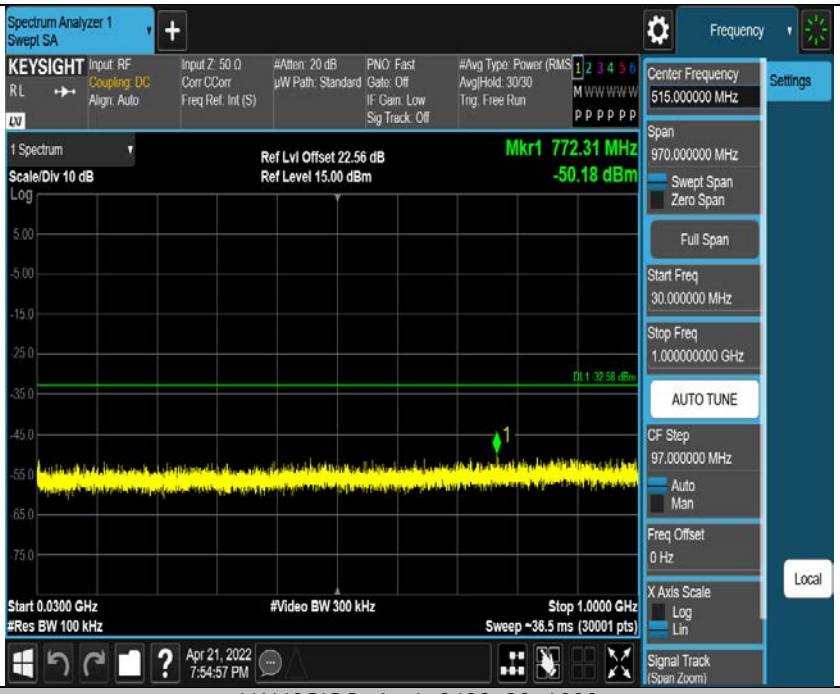
11N20SISO_Ant1_2437_30~1000

11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_30~1000

11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_30~1000

11N40SISO_Ant1_2422_1000~26500

11N40SISO_Ant1_2437_30~1000

11N40SISO_Ant1_2437_1000~26500

11N40SISO_Ant1_2452_30~1000

11N40SISO_Ant1_2452_1000~26500

8.6 RADIATED SPURIOUS EMISSION

8.6.1 Applicable Standard

According to FCC Part 15.247(d),15.205, 15.209 and KDB 558074 D01 15.247 Meas Guidancev05r02
According to IC RSS-Gen and RSS-247

8.6.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
According to FCC Part15.205, Restricted bands

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	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	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			

According toFCC Part15.205the level of any transmitter spurious emission in Restricted bands shall not exceed the level of the emission specified in the following table

Restricted Frequency(MHz)	Field Strength (μV/m)	Field Strength (dBμV/m)	Measurement Distance
0.009-0.490	2400/F(KHz)	20 log (uV/m)	300
0.490-1.705	24000/F(KHz)	20 log (uV/m)	30
1.705-30	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

8.6.3 Test Configuration

Test according to clause 6.2 radio frequency test setup

8.6.4 Test Procedure

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:
For Above 1GHz:
The EUT was placed on a turn table which is 1.5m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Span = wide enough to fully capture the emission being measured
RBW = 1 MHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

For Below 1GHz:
The EUT was placed on a turn table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Span = wide enough to fully capture the emission being measured
RBW = 100 kHz for
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold
For Below 30MHz:
The EUT was placed on a turn table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Span = wide enough to fully capture the emission being measured
RBW = 9kHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold
For Below 150KHz:
The EUT was placed on a turn table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Span = wide enough to fully capture the emission being measured
RBW = 200Hz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold
Follow the guidelines in ANSI C63.10 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit. Submit this data.
Now set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a “duty cycle correction factor”, derived from 20log(dwell time/100 ms), in an effort to demonstrate compliance with the limit. Submit this data.
Repeat above procedures until all frequency measured was complete.

8.6.5 Test Results

Temperature:	26° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

■ Spurious Emission below 30MHz(9KHz to 30MHz)

Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
Distance extrapolation factor =40log(Specific distance/ test distance)(dB);
Limit line=Specific limits(dBuV) + distance extrapolation factor

■ Spurious Emission Above 1GHz(1GHz to 25GHz)
All theantenna(Antenna 1)and modes(802.11b/g/n)have been tested and the worst(Antenna 1,802.11b) resultrecorded was report as below:

Test mode:	802.11b	Frequency:	Channel 1: 2412MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4824.287	V	59.12	52.92	74.00	54.00	-14.88	-21.08
11902.63	V	53.64	35.75	74.00	54.00	-20.36	-18.25
17961.02	V	64.10	46.27	74.00	54.00	-9.90	-7.73
4823.590	H	49.71	31.52	74.00	54.00	-24.29	-22.48
11415.74	H	54.43	36.29	74.00	54.00	-19.57	-17.71
17891.07	H	64.15	46.88	74.00	54.00	-9.85	7.12

Test mode:	802.11b	Frequency:	Channel 6: 2437MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4874.043	V	58.75	51.99	74.00	54.00	-15.25	-2.01
10129.75	V	51.64	33.57	74.00	54.00	-22.36	-20.43
17945.45	V	64.01	48.72	74.00	54.00	-9.99	-5.28
4874.043	H	48.17	35.73	74.00	54.00	-25.83	-18.27
9135.300	H	50.22	32.22	74.00	54.00	-23.78	-21.78
17976.60	H	64.54	48.24	74.00	54.00	-9.46	-5.76

Test mode:	802.11b	Frequency:	Channel 11: 2462MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4924.312	V	54.71	42.11	74.00	54.00	-19.29	-11.89
11052.11	V	53.91	35.19	74.00	54.00	-20.09	-18.81
17974.00	V	64.46	46.77	74.00	54.00	-9.54	-7.23
6438.313	H	48.29	33.66	74.00	54.00	-25.72	-20.34
11085.70	H	53.55	35.33	74.00	54.00	-20.45	-18.67
17880.73	H	64.15	47.35	74.00	54.00	-9.85	-6.65

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(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.

■ Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz
All the antenna(Antenna 1) and modes(802.11b/g/n) have been tested and the worst(Antenna 1,802.11b) resultrecorded was report as below:

Test mode:	802.11b	Frequency:	Channel 1: 2412MHz

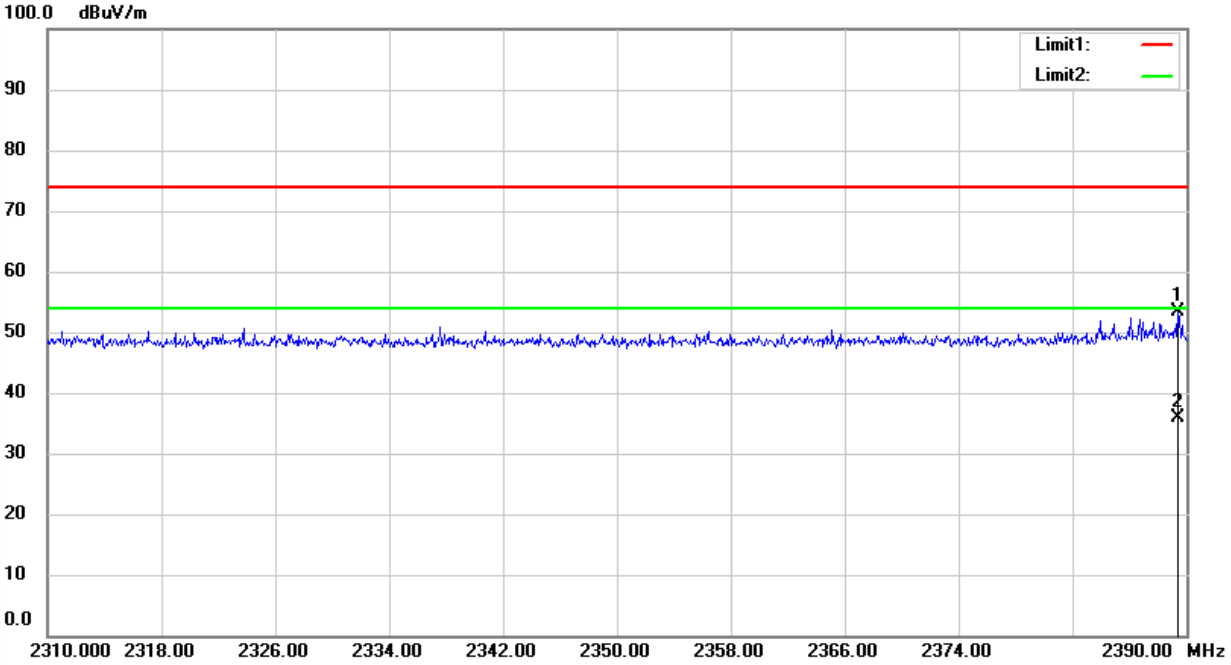
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
2389.412	H	53.35	74.00	35.96	54.00
2385.532	V	55.22	74.00	47.55	54.00

Test mode:	802.11b	Frequency:	Channel 11: 2462MHz

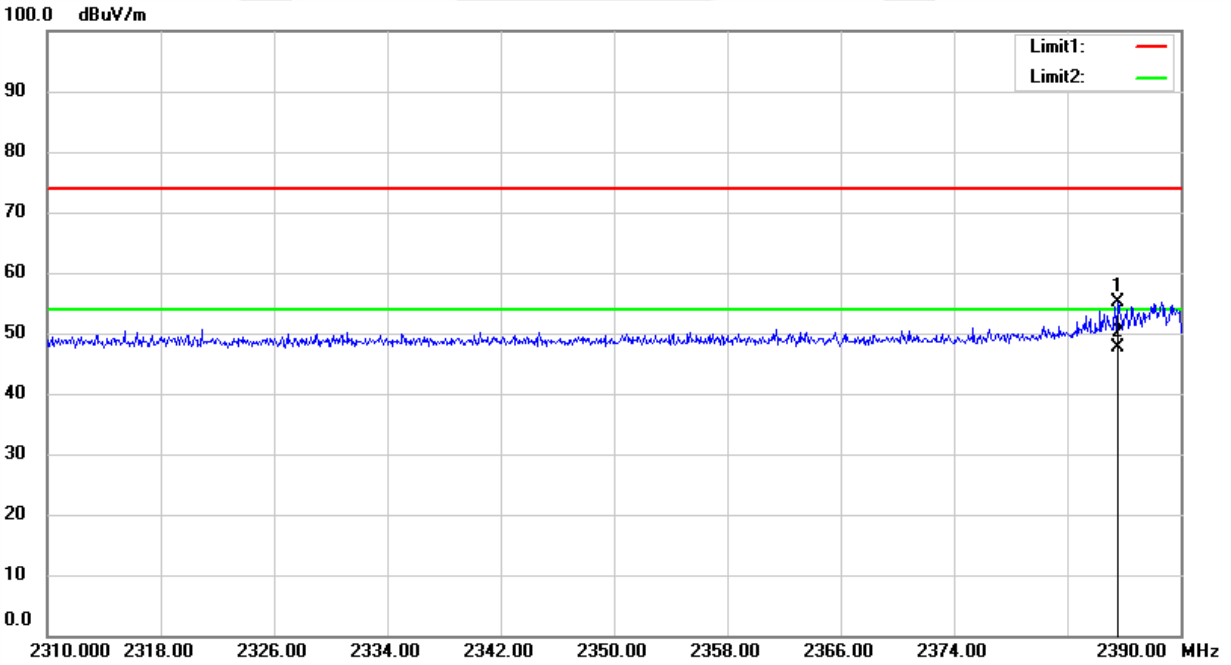
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
2484.458	H	55.35	74.00	38.53	54.00
2483.968	V	52.16	74.00	34.28	54.00

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(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.

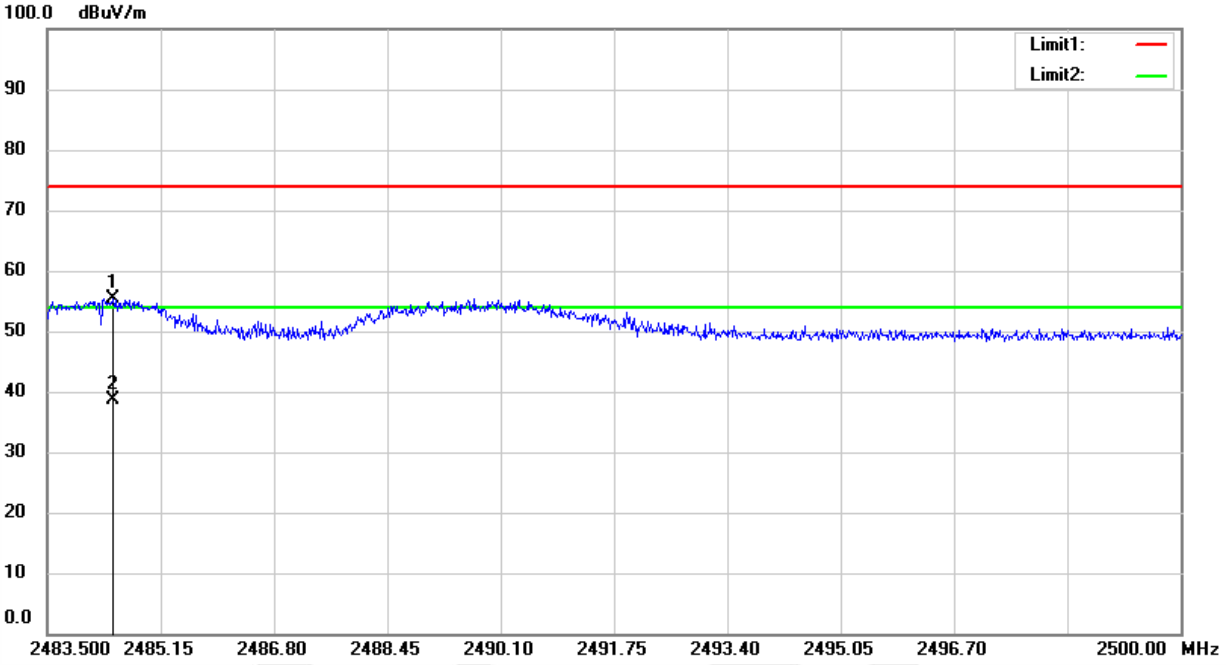
Test Model	802.11b	Spurious Emission in Restricted Band 2310-2390MHz Channel 1: 2412MHz	VBW=3MHz	Polarity: H



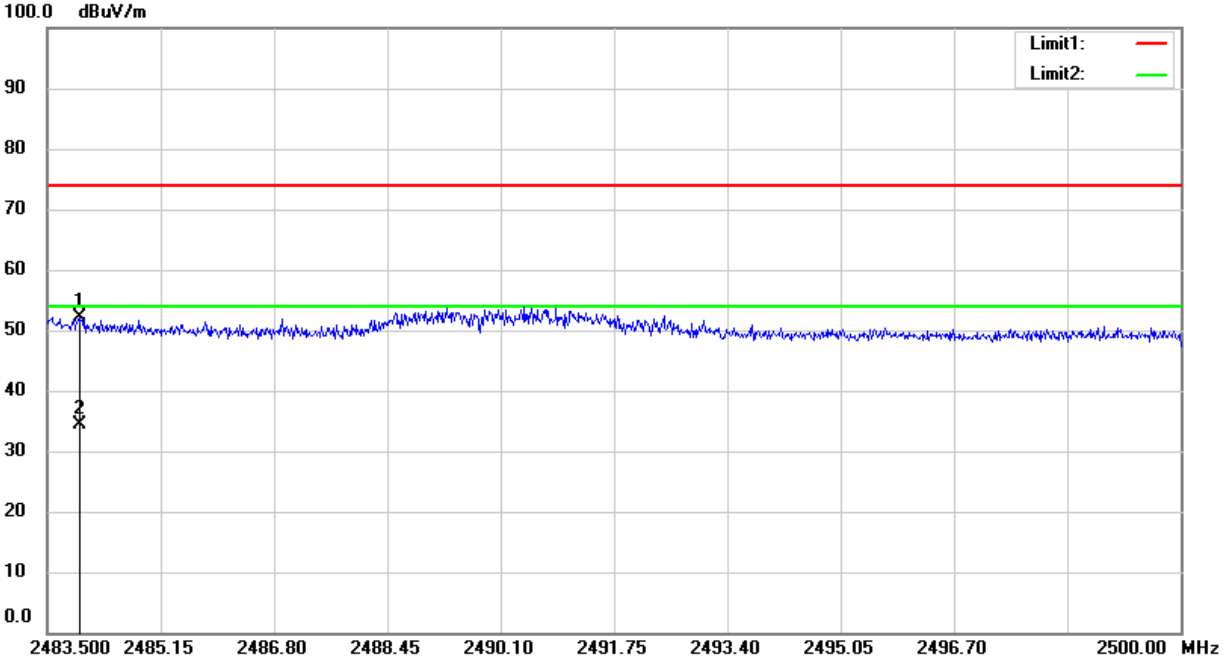
Test Model	802.11b	Spurious Emission in Restricted Band 2310-2390MHz Channel 1: 2412MHz	VBW=3MHz	Polarity: V



Test Model	802.11b	Spurious Emission in Restricted Band 2483.5-2500MHz Channel 11: 2462MHz	VBW=3MHz	Polarity: H

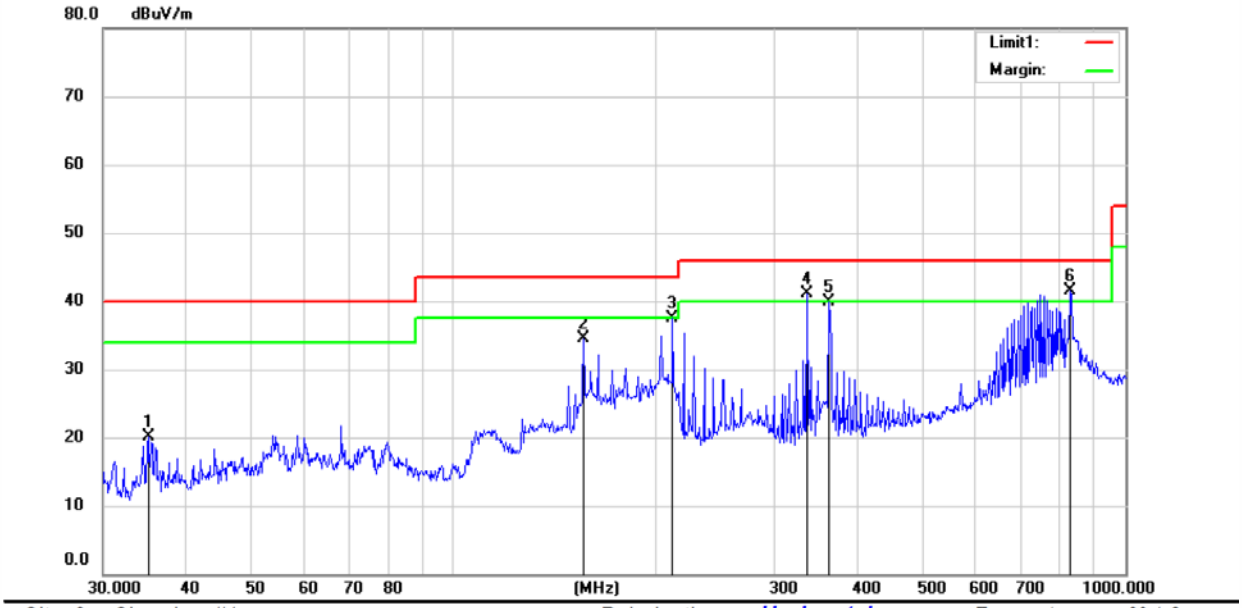


Test Model	802.11b	Spurious Emission in Restricted Band2483.5-2500MHz Channel 11: 2462MHz	VBW=3MHz	Polarity: V



■ Spurious Emission below 1GHz (30MHz to 1GHz)

All the antenna(Antenna 1) and modes(802.11b/g/n) have been tested and the worst(Antenna 1,802.11b) resultrecorded was report as below:



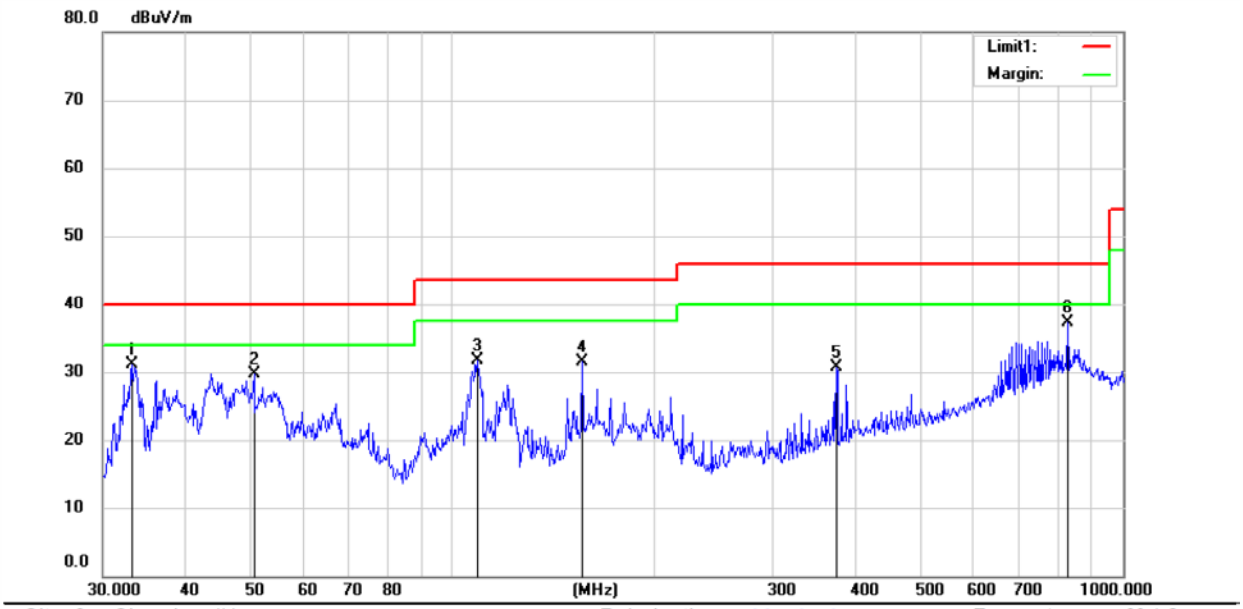
Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 28.1 C

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 43 %

Mode:WIFI 2412

Note:

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		35.0048	33.88	-13.83	20.05	40.00	-19.95	QP			
2		155.9785	48.42	-13.91	34.51	43.50	-8.99	QP			
3		211.9906	50.81	-13.39	37.42	43.50	-6.08	QP			
4	!	336.0352	49.01	-7.98	41.03	46.00	-4.97	QP			
5		362.6664	47.24	-7.38	39.86	46.00	-6.14	QP			
6	*	829.3090	39.03	2.39	41.42	46.00	-4.58	QP			



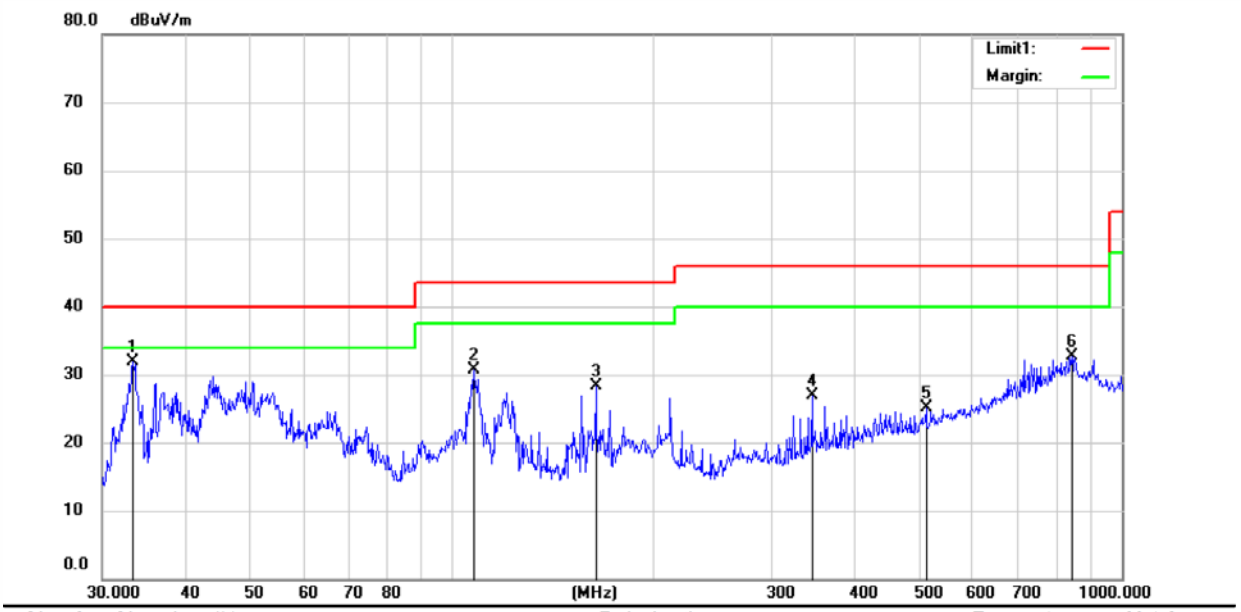
Site 3m Chamber #1
Polarization: *Vertical*
Temperature: 28.1 C

Limit: (RE)FCC PART 15 CLASS B
Power: AC 120V/60Hz
Humidity: 43 %

Mode:WIFI 2412

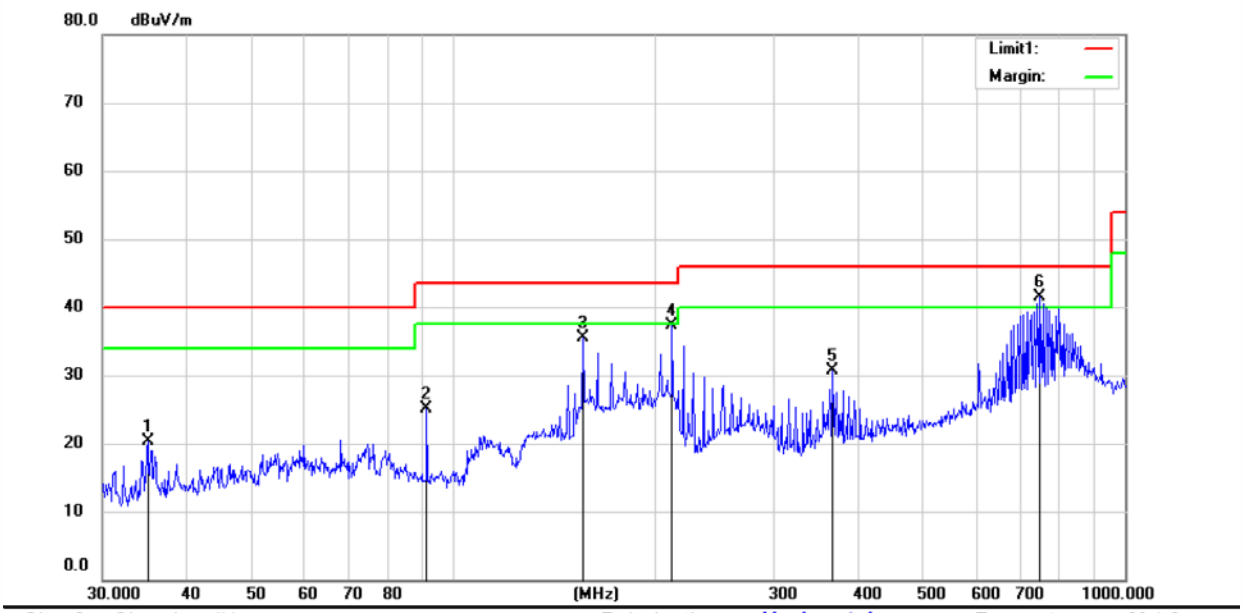
Note:

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		33.1676	45.42	-14.27	31.15	40.00	-8.85	QP			
2		50.4310	41.70	-11.96	29.74	40.00	-10.26	QP			
3		108.8377	46.36	-14.58	31.78	43.50	-11.72	QP			
4		156.0468	45.50	-13.91	31.59	43.50	-11.91	QP			
5		374.2943	37.91	-7.18	30.73	46.00	-15.27	QP			
6	*	829.6725	34.99	2.41	37.40	46.00	-8.60	QP			



Site 3m Chamber #1
Polarization: *Vertical*
Temperature: 28.1 C
Limit: (RE)FCC PART 15 CLASS B
Power: AC 120V/60Hz
Humidity: 43 %
Mode:WIFI 2437
Note:

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	*	33.3280	46.10	-14.25	31.85	40.00	-8.15	QP			
2		107.8404	45.19	-14.51	30.68	43.50	-12.82	QP			
3		164.0423	42.54	-14.18	28.36	43.50	-15.14	QP			
4		344.3855	34.63	-7.74	26.89	46.00	-19.11	QP			
5		511.6110	30.09	-5.05	25.04	46.00	-20.96	QP			
6		844.3473	29.91	2.89	32.80	46.00	-13.20	QP			



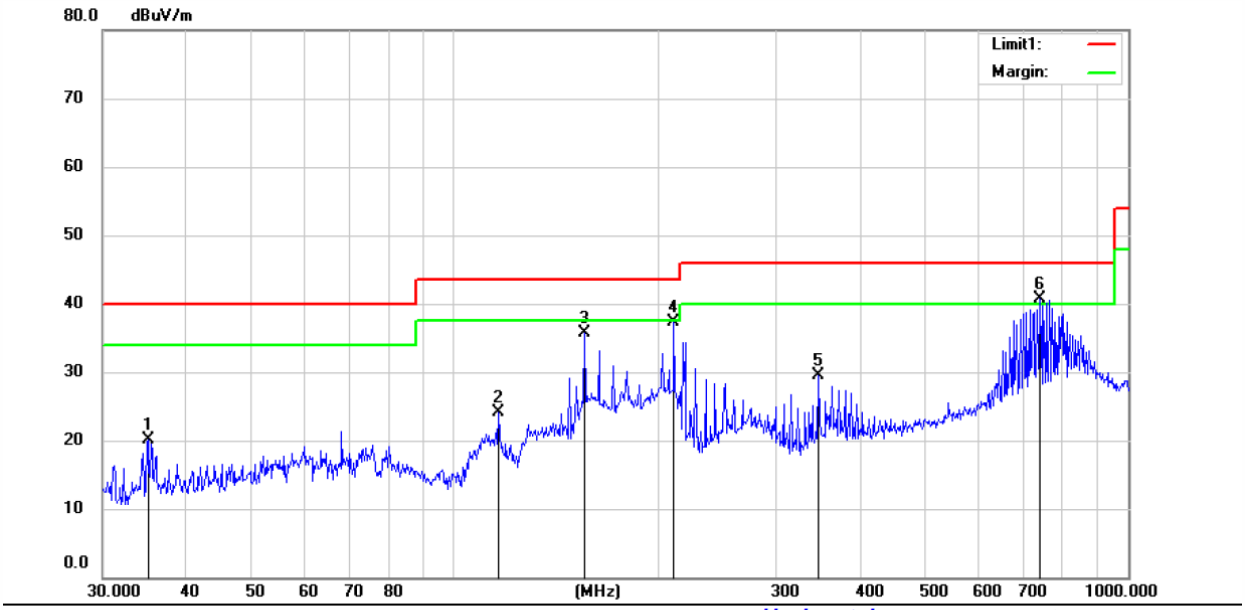
Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 28.1 C

Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 43 %

Mode:WIFI 2437

Note:

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		35.0355	34.16	-13.82	20.34	40.00	-19.66	QP			
2		91.3346	40.37	-15.34	25.03	43.50	-18.47	QP			
3		156.0468	49.45	-13.91	35.54	43.50	-7.96	QP			
4		211.9906	50.72	-13.39	37.33	43.50	-6.17	QP			
5		367.3057	37.89	-7.28	30.61	46.00	-15.39	QP			
6	*	748.1381	41.42	0.05	41.47	46.00	-4.53	QP			

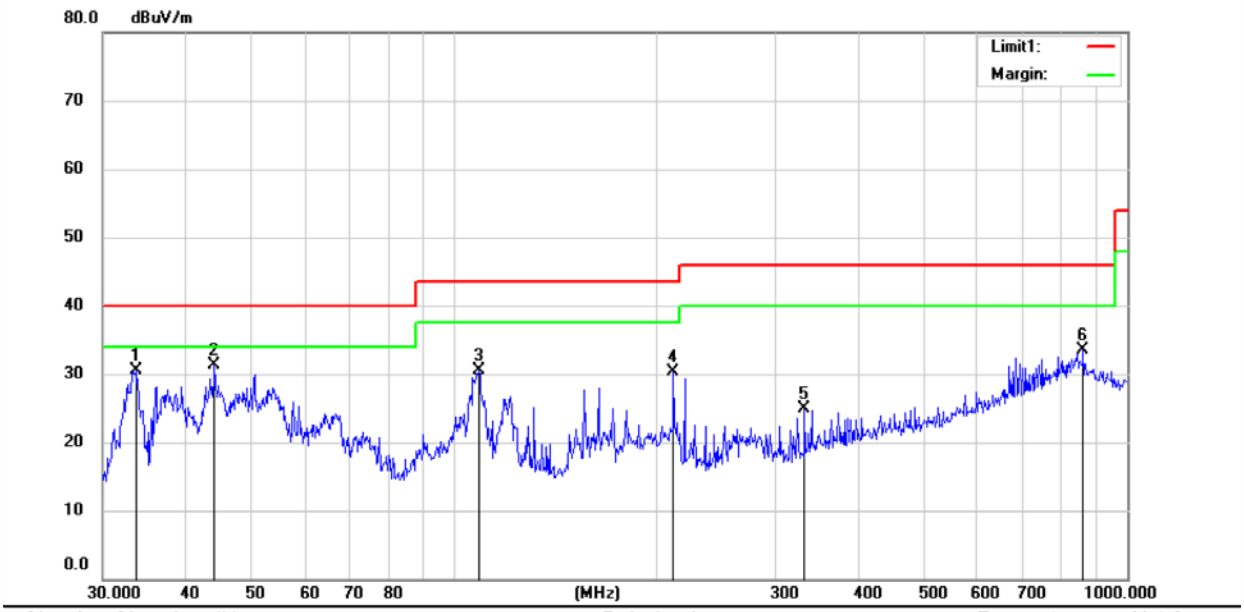


Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
Mode:WIFI 2462
Note:

Polarization: *Horizontal*
Power: AC 120V/60Hz

Temperature: 28.1 C
Humidity: 43 %

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		35.0510	33.99	-13.81	20.18	40.00	-19.82	QP			
2		116.2340	38.40	-14.24	24.16	43.50	-19.34	QP			
3		155.9785	49.66	-13.91	35.75	43.50	-7.75	QP			
4		211.9906	50.68	-13.39	37.29	43.50	-6.21	QP			
5		347.1134	37.16	-7.70	29.46	46.00	-16.54	QP			
6	*	740.3091	40.73	-0.01	40.72	46.00	-5.28	QP			



Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
Mode:WIFI 2462
Note:

Polarization: *Vertical*
Power: AC 120V/60Hz

Temperature: 28.1 C
Humidity: 43 %

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		33.5920	44.74	-14.21	30.53	40.00	-9.47	QP			
2	*	43.9851	43.98	-12.65	31.33	40.00	-8.67	QP			
3		108.9331	45.02	-14.58	30.44	43.50	-13.06	QP			
4		211.9906	43.67	-13.39	30.28	43.50	-13.22	QP			
5		332.0817	33.06	-8.17	24.89	46.00	-21.11	QP			
6		861.9221	31.31	2.13	33.44	46.00	-12.56	QP			

8.7 CONDUCTED EMISSION TEST

8.7.1 Applicable Standard

According to FCC Part 15.207(a)
According to IC RSS-Gen 8.8

8.7.2 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.

8.7.3 Test Configuration

Test according to clause 6.3conducted emission test setup

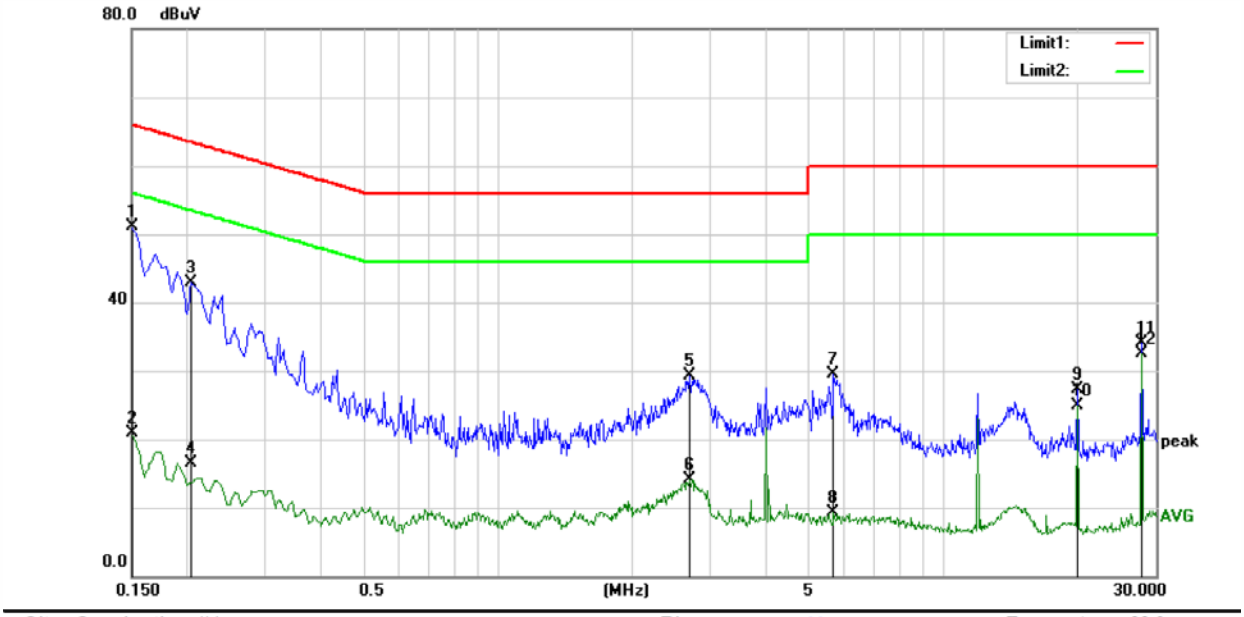
8.7.4 Test Procedure

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.

8.7.5 Test Results

Pass

The AC120V &240V voltage have been tested, and the worst result recorded was report as below:



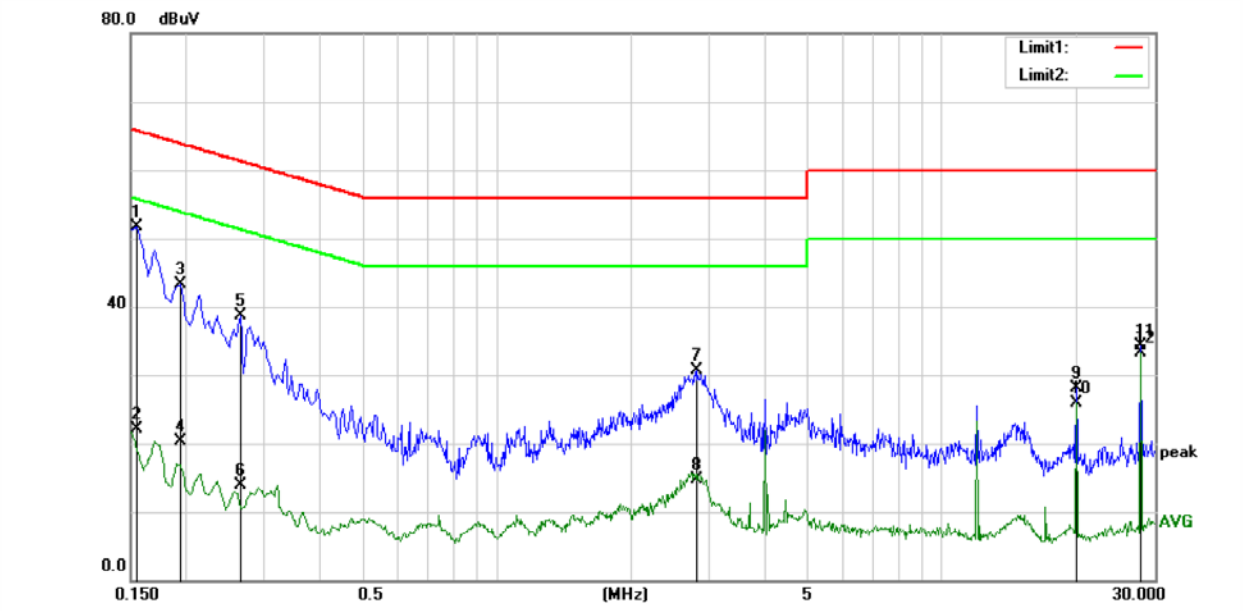
Site Conduction #1 Phase: N Temperature: 22.8

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 48 %

Mode: WIFI Mode

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1500	41.55	9.58	51.13	66.00	-14.87	QP	
2		0.1500	11.32	9.58	20.90	56.00	-35.10	AVG	
3		0.2050	33.51	9.41	42.92	63.41	-20.49	QP	
4		0.2050	7.01	9.41	16.42	53.41	-36.99	AVG	
5		2.7050	19.43	9.95	29.38	56.00	-26.62	QP	
6		2.7050	4.18	9.95	14.13	46.00	-31.87	AVG	
7		5.6800	19.61	9.96	29.57	60.00	-30.43	QP	
8		5.6800	-0.59	9.96	9.37	50.00	-40.63	AVG	
9		19.9800	17.22	10.17	27.39	60.00	-32.61	QP	
10		19.9800	14.79	10.17	24.96	50.00	-25.04	AVG	
11		27.9800	23.85	10.28	34.13	60.00	-25.87	QP	
12		27.9800	22.29	10.28	32.57	50.00	-17.43	AVG	



Site Conduction #1 Phase: L1 Temperature: 22.8

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 48 %

Mode: WIFI Mode

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1550	42.16	9.56	51.72	65.73	-14.01	QP	
2		0.1550	12.55	9.56	22.11	55.73	-33.62	AVG	
3		0.1950	33.86	9.44	43.30	63.82	-20.52	QP	
4		0.1950	10.78	9.44	20.22	53.82	-33.60	AVG	
5		0.2650	29.30	9.34	38.64	61.27	-22.63	QP	
6		0.2650	4.53	9.34	13.87	51.27	-37.40	AVG	
7		2.8100	20.81	9.95	30.76	56.00	-25.24	QP	
8		2.8100	4.81	9.95	14.76	46.00	-31.24	AVG	
9		19.9800	17.97	10.17	28.14	60.00	-31.86	QP	
10		19.9800	15.72	10.17	25.89	50.00	-24.11	AVG	
11		27.9800	24.09	10.28	34.37	60.00	-25.63	QP	
12		27.9800	23.02	10.28	33.30	50.00	-16.70	AVG	

8.8 ANTENNA APPLICATION

8.8.1 Antenna Requirement

Standard	Requirement
FCC CRF Part15.203	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.
FCC 47 CFR Part 15.247 (b)	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.
RSS-Gen Section 6.8	The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.
RSS-247 Section 5.4	If the transmitter employs an antenna system that emits multiple directional beams, but does not emit multiple directional beams simultaneously, the total output power conducted to the array or arrays that comprise the device (i.e. the sum of the power supplied to all antennas, antenna elements, staves, etc., and summed across all carriers or frequency channels) shall not exceed the applicable output power limit. However, the total conducted output power shall be reduced by 1 dB below the specified limits for each 3 dB that the directional gain of the antenna/antenna array exceeds 6 dBi. The directional antenna gain shall be computed as the sum of 10 log (number of array elements or staves) plus the directional gain of the element or stave having the highest gain.

8.8.2 Result

PASS.

Note: ☑ Antenna 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)

Please refer to the attached documentInternal Photos to show the antenna connector.

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 ***