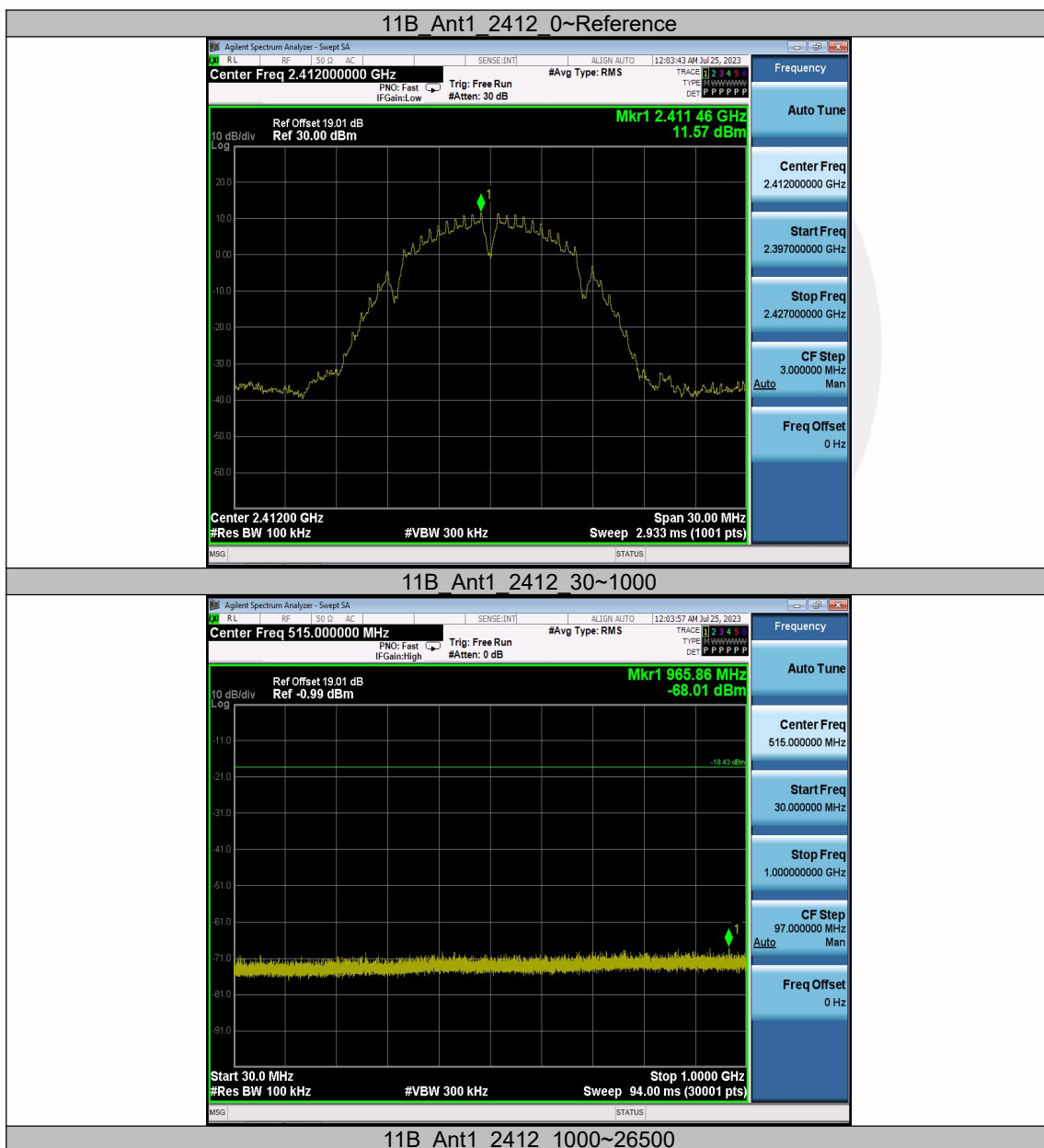


Emission level measurement

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	11.57	11.57	---	PASS
			30~1000	11.57	-68.01	≤-18.43	PASS
			1000~26500	11.57	-39.45	≤-18.43	PASS
	Ant2	2412	Reference	10.28	10.28	---	PASS
			30~1000	10.28	-68.2	≤-19.72	PASS
			1000~26500	10.28	-39.25	≤-19.72	PASS
	Ant1	2462	Reference	11.97	11.97	---	PASS
			30~1000	11.97	-68.07	≤-18.03	PASS
			1000~26500	11.97	-39.57	≤-18.03	PASS
	Ant2	2462	Reference	10.76	10.76	---	PASS
			30~1000	10.76	-68.3	≤-19.24	PASS
			1000~26500	10.76	-39.22	≤-19.24	PASS

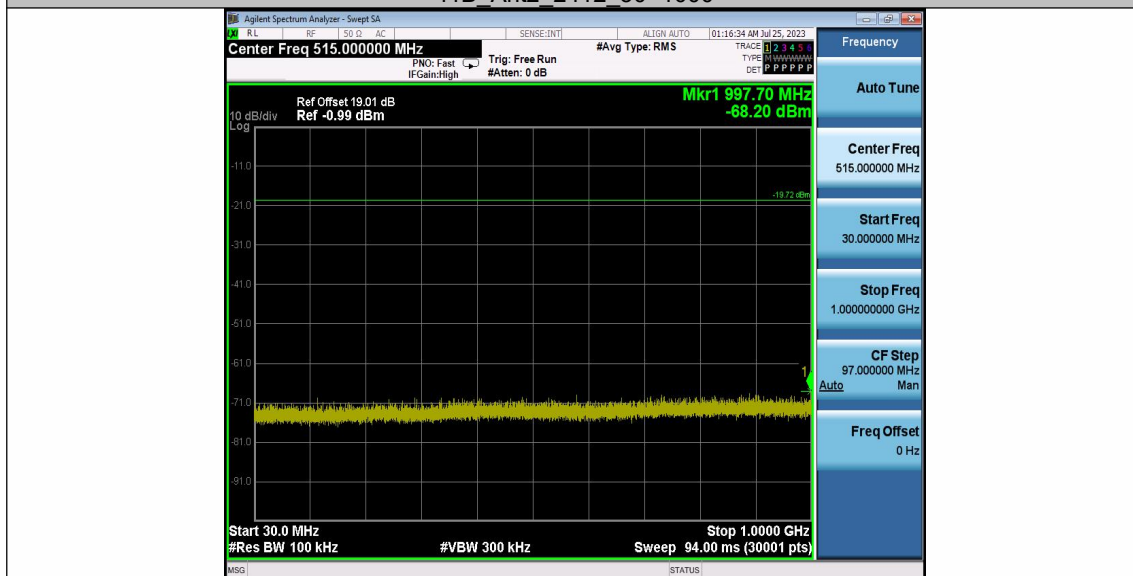


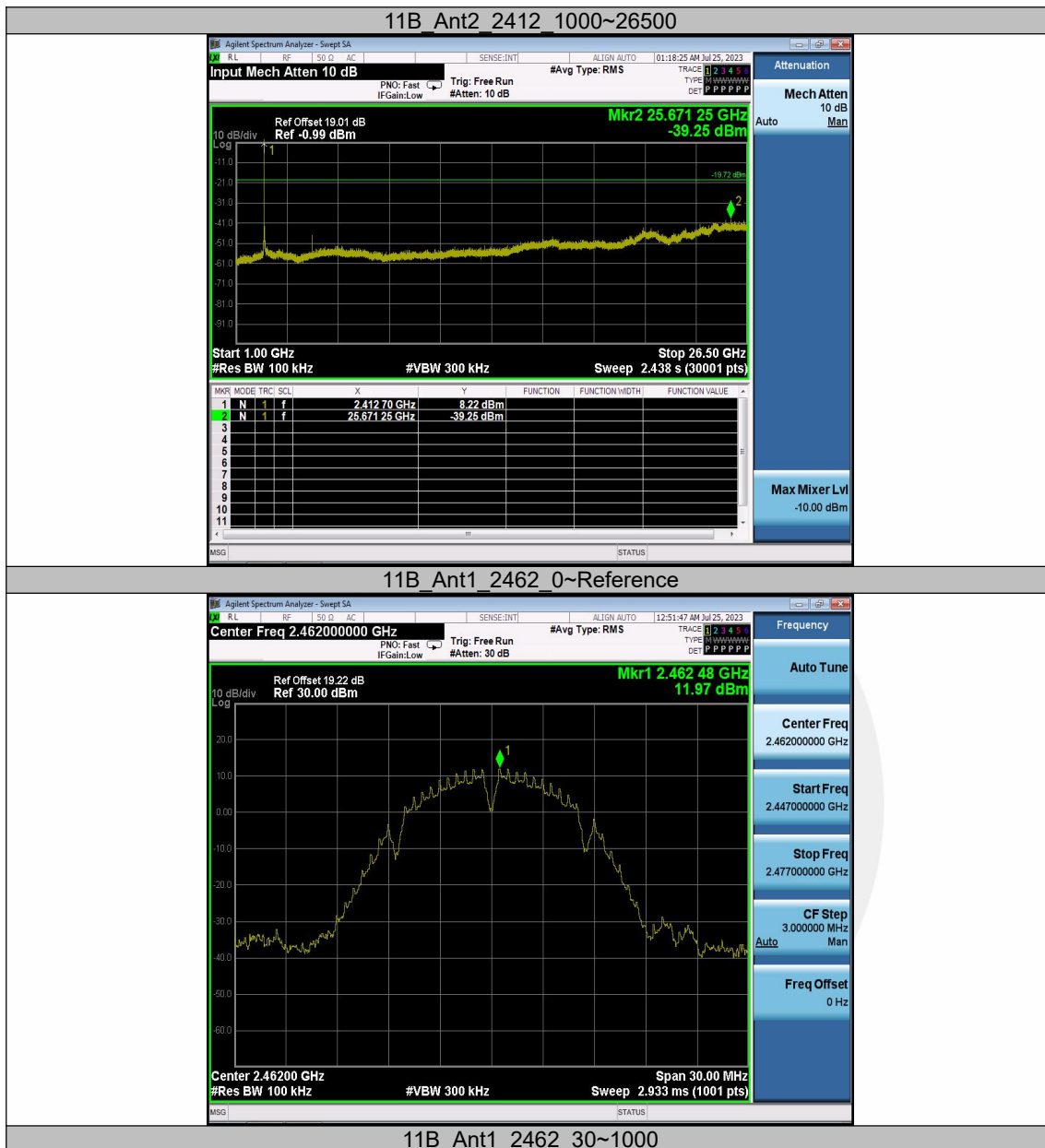


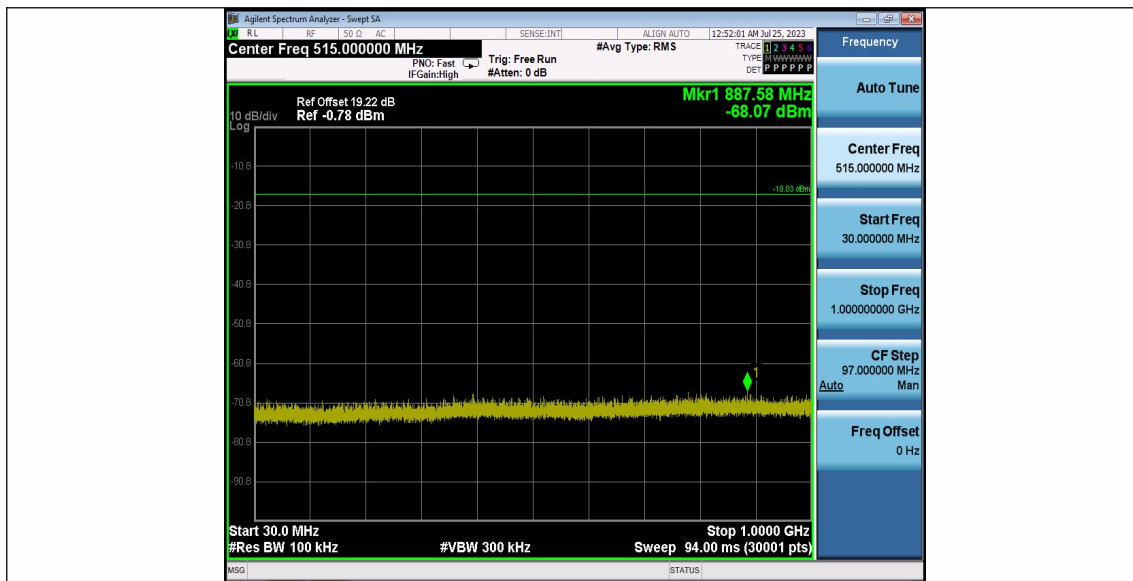
11B Ant2 2412 0~Reference



11B Ant2 2412 30~1000





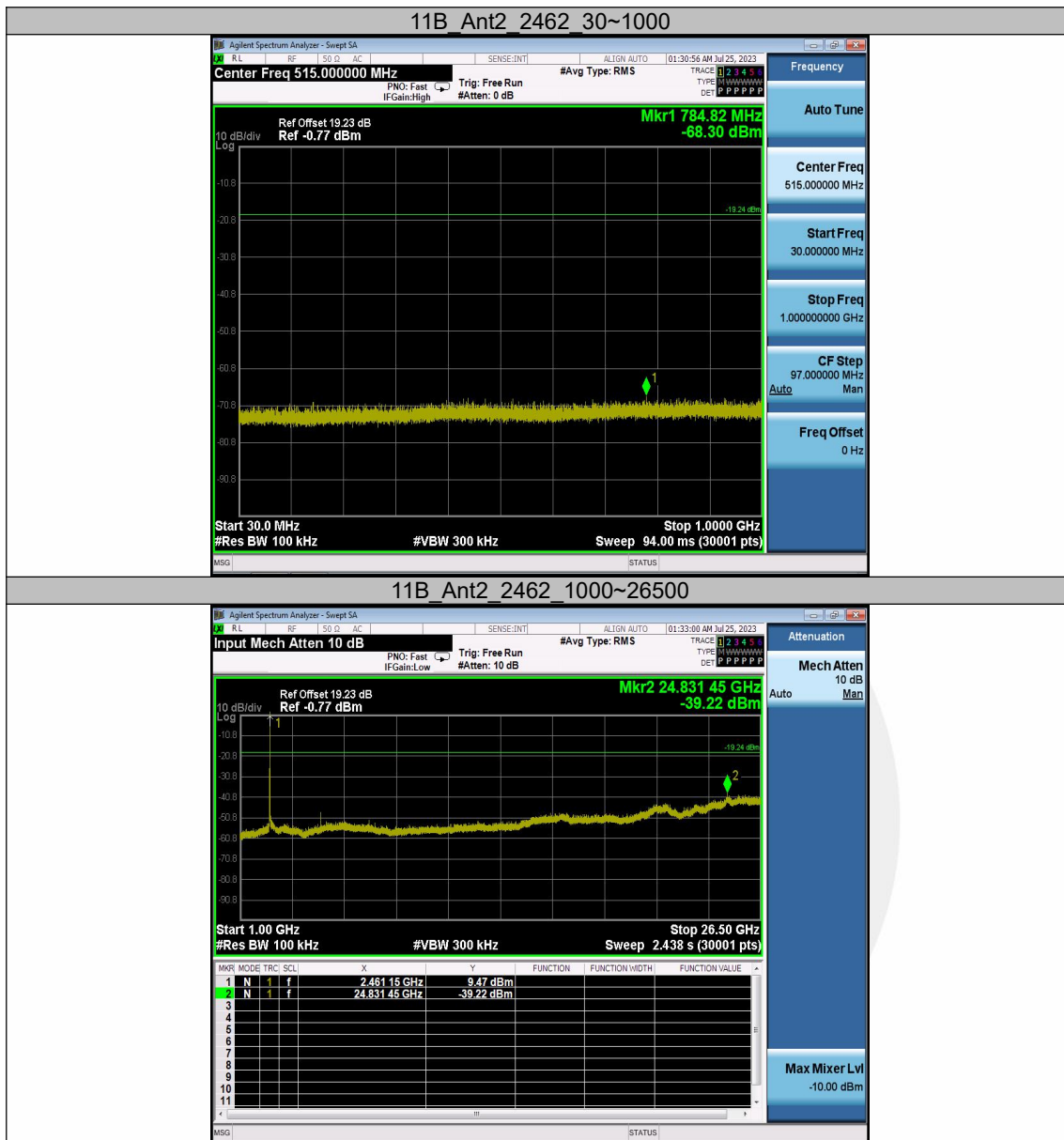


11B Ant1 2462 1000~26500



11B Ant2 2462 0~Reference





7.5 RADIATED EMISSION

7.5.1 Applicable Standard

According to FCC Part 15.247(d) and 15.209 and KDB 558074 D01 15.247 Meas Guidance v05r02.

7.5.2 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 Part 15.205, 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 to FCC Part 15.205 the 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 ($\mu\text{V/m}$)	Field Strength ($\text{dB}\mu\text{V/m}$)	Measurement Distance
0.009-0.490	2400/F(KHz)	20 log ($\mu\text{V/m}$)	300
0.490-1.705	24000/F(KHz)	20 log ($\mu\text{V/m}$)	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

7.5.3 Test Configuration

Test according to clause 6.2 radio frequency test setup 2.

7.5.4 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 \geq 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.
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 $20\log(\text{dwell time}/100 \text{ ms})$, in an effort to demonstrate compliance with the limit. Submit this data.

Repeat above procedures until all frequency measured was complete.

7.5.5 Test Results

Temperature:	28.1° C
Relative Humidity:	43%
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: 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.

■ Spurious Emission Above 1GHz(1GHz to 25GHz)

All modes have been tested, and the worst result recorded was report as below:
Highest gain of each antenna and highest output power is ANT2 and MIMO as below:

ANT2:

Test mode: 802.11n(20) Frequency: Channel 1: 2412MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
11360.625	V	59.15	74.00	14.85	peak
14625	V	63.73	74.00	10.27	peak
17604.375	V	67.69	74.00	6.31	peak
11360.625	V	47.14	54.00	6.86	AVG
14625	V	48.22	54.00	5.78	AVG
17604.375	V	50.65	54.00	3.35	AVG
12429.375	H	59.39	74.00	14.61	peak
14685	H	63.61	74.00	10.39	peak
17640	H	67.49	74.00	6.51	peak
12429.375	H	48.76	54.00	5.24	AVG
14685	H	46.90	54.00	7.10	AVG
17640	H	49.06	54.00	4.94	AVG

Test mode: 802.11n(20) Frequency: Channel 6: 2437MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
11370	V	59.52	74.00	14.48	peak
14656.875	V	63.33	74.00	10.67	peak
17940	V	67.35	74.00	6.65	peak
11370	V	47.08	54.00	6.92	AVG
14656.875	V	47.10	54.00	6.90	AVG
17940	V	47.33	54.00	6.67	AVG
11490	H	59.68	74.00	14.32	peak
14683.125	H	63.14	74.00	10.86	peak
17973.75	H	67.50	74.00	6.50	peak
11490	H	48.12	54.00	5.88	AVG
14683.125	H	47.08	54.00	6.92	AVG
17973.75	H	47.74	54.00	6.26	AVG

Test mode: 802.11n(20) Frequency: Channel 11: 2462MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
11499.375	V	59.68	74.00	14.32	peak
14613.75	V	62.80	74.00	11.20	peak
17971.875	V	66.89	74.00	7.11	peak
11499.375	V	47.87	54.00	6.13	AVG
14613.75	V	48.50	54.00	5.50	AVG
17971.875	V	47.60	54.00	6.40	AVG
11488.125	H	59.36	74.00	14.64	peak
14688.75	H	63.25	74.00	10.75	peak
17962.5	H	67.11	74.00	6.89	peak
11488.125	H	48.15	54.00	5.85	AVG
14688.75	H	46.82	54.00	7.18	AVG
17962.5	H	47.48	54.00	6.52	AVG

MIMO:

Test mode: 802.11n(20) Frequency: Channel 1: 2412MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
11359.235	V	59.02	74.00	14.98	peak
14623.610	V	63.57	74.00	10.43	peak
17605.655	V	67.66	74.00	6.34	peak
11361.905	V	47.12	54.00	6.88	AVG
14622.750	V	47.96	54.00	6.04	AVG
17602.125	V	50.46	54.00	3.54	AVG
12441.065	H	59.31	74.00	14.69	peak
14696.690	H	63.4	74.00	10.6	peak
17651.690	H	67.33	74.00	6.67	peak
12441.065	H	48.62	54.00	5.38	AVG
14681.690	H	46.72	54.00	7.28	AVG
17636.690	H	48.93	54.00	5.07	AVG

Test mode: 802.11n(20) Frequency: Channel 6: 2437MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
11368.610	V	59.39	74.00	14.61	peak
14655.485	V	63.17	74.00	10.83	peak
17941.280	V	67.32	74.00	6.68	peak
11371.280	V	47.06	54.00	6.94	AVG
14654.625	V	46.84	54.00	7.16	AVG
17937.750	V	47.14	54.00	6.86	AVG
11501.690	H	59.6	74.00	14.4	peak
14694.815	H	62.93	74.00	11.07	peak
17985.440	H	67.34	74.00	6.66	peak
11501.690	H	47.98	54.00	6.02	AVG
14679.815	H	46.9	54.00	7.1	AVG
17970.440	H	47.61	54.00	6.39	AVG

Test mode: 802.11n(20) Frequency: Channel 11: 2462MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
11497.985	V	59.55	74.00	14.45	peak
14612.360	V	62.64	74.00	11.36	peak
17973.155	V	66.86	74.00	7.14	peak
11500.655	V	47.85	54.00	6.15	AVG
14611.500	V	48.24	54.00	5.76	AVG
17969.625	V	47.41	54.00	6.59	AVG
11499.815	H	59.28	74.00	14.72	peak
14700.440	H	63.04	74.00	10.96	peak
17974.190	H	66.95	74.00	7.05	peak
11499.815	H	48.01	54.00	5.99	AVG
14685.440	H	46.64	54.00	7.36	AVG
17959.190	H	47.35	54.00	6.65	AVG

- 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 modes have been tested, and the worst result recorded was report as below:

Test mode: 802.11n(20) Frequency: Channel 1: 2412MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
2387.22	V	52.85	74.00	21.15	peak
2387.234	V	43.87	54.00	10.13	AVG
2389.57	H	62.25	74.00	11.75	peak
2389.537	H	51.49	54.00	2.51	AVG

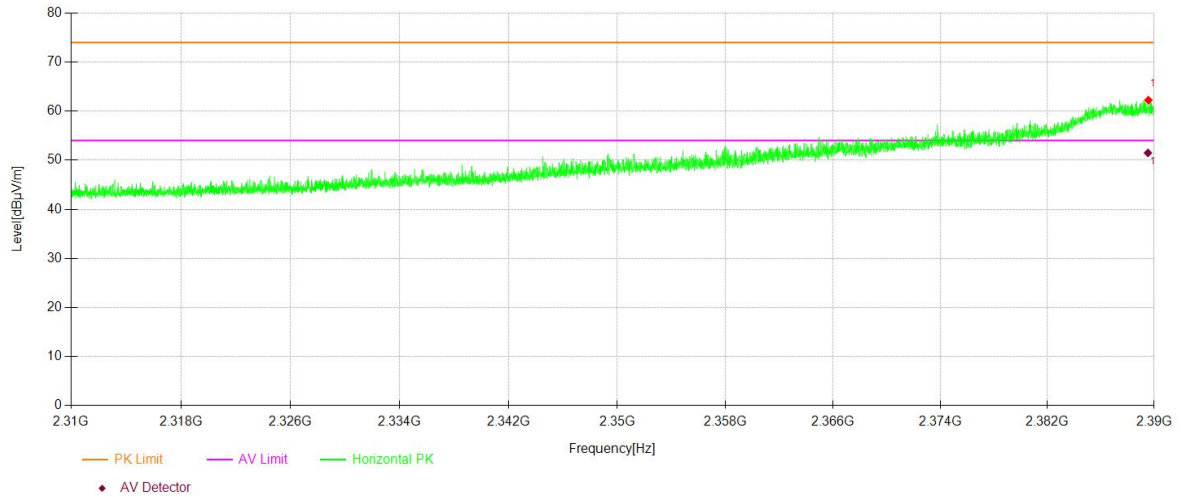
Test mode: 802.11n(20) Frequency: Channel 11: 2462MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
2484.71	V	46.46	74.00	27.54	peak
2484.710	V	43.34	54.00	10.66	AVG
2485.12	H	52.35	74.00	21.65	peak
2485.125	H	42.44	54.00	11.56	AVG

- 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.

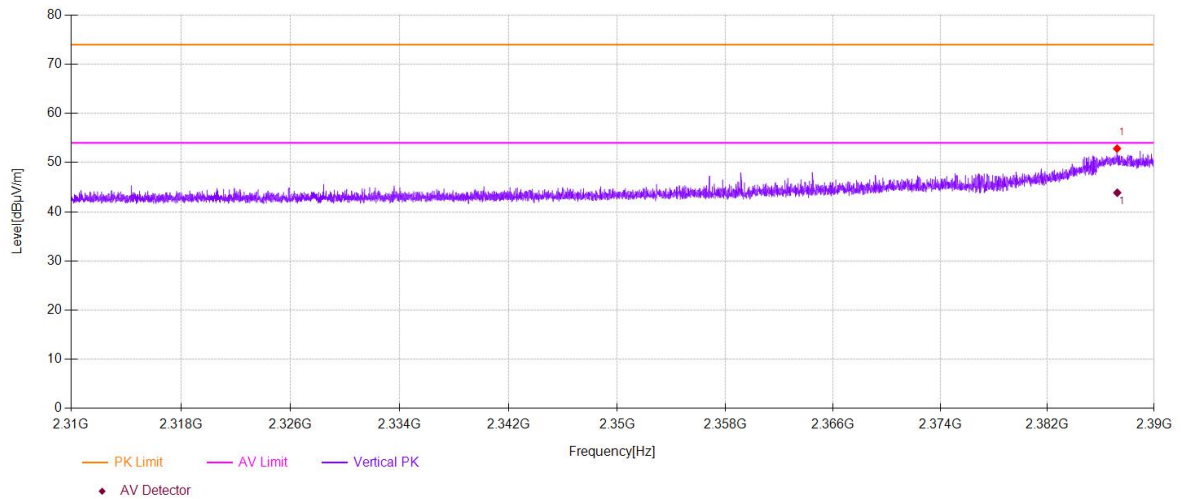
Spurious Emission in Restricted Band 2310-2390MHz

Test Model 802.11b 802.11g 802.11n(HT20) 802.11n(HT40)
 Channel 1:2412MHz Channel 3: 2422MHz Polarity: H
 VBW=3MHz



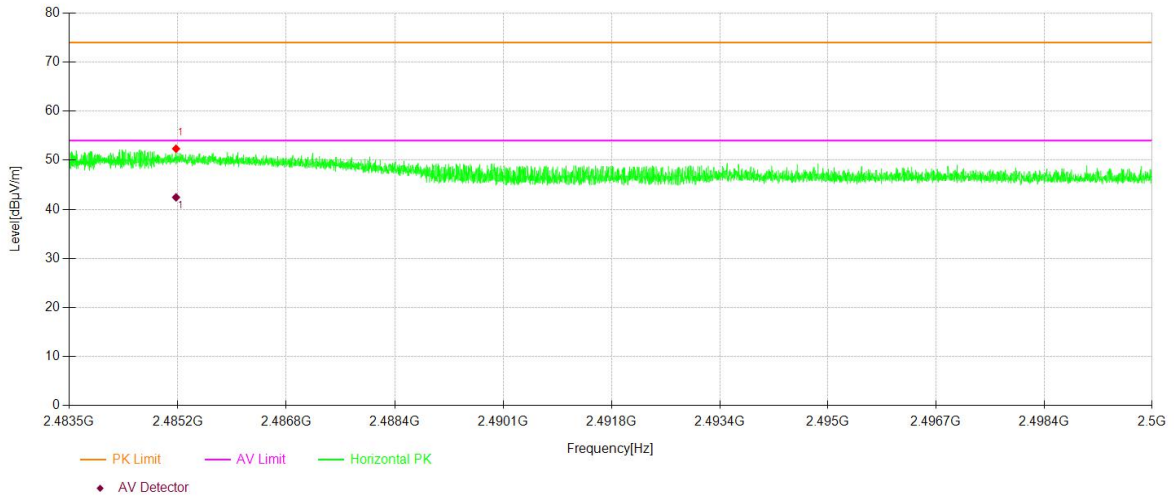
Spurious Emission in Restricted Band 2310-2390MHz

Test Model 802.11b 802.11g 802.11n(HT20) 802.11n(HT40)
 Channel 1:2412MHz Channel 3: 2422MHz Polarity: V
 VBW=3MHz



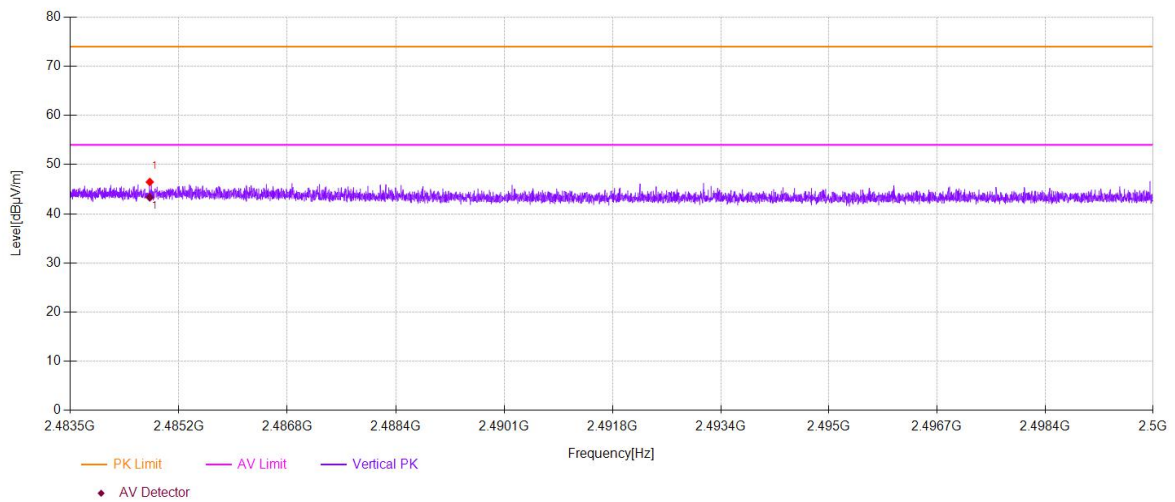
Spurious Emission in Restricted Band 2483.5-2500MHz

Test Model 802.11b 802.11g 802.11n(HT20) 802.11n(HT40)
 Channel 11: 2462MHz Channel 9: 2452MHz Polarity: H
 VBW=3MHz



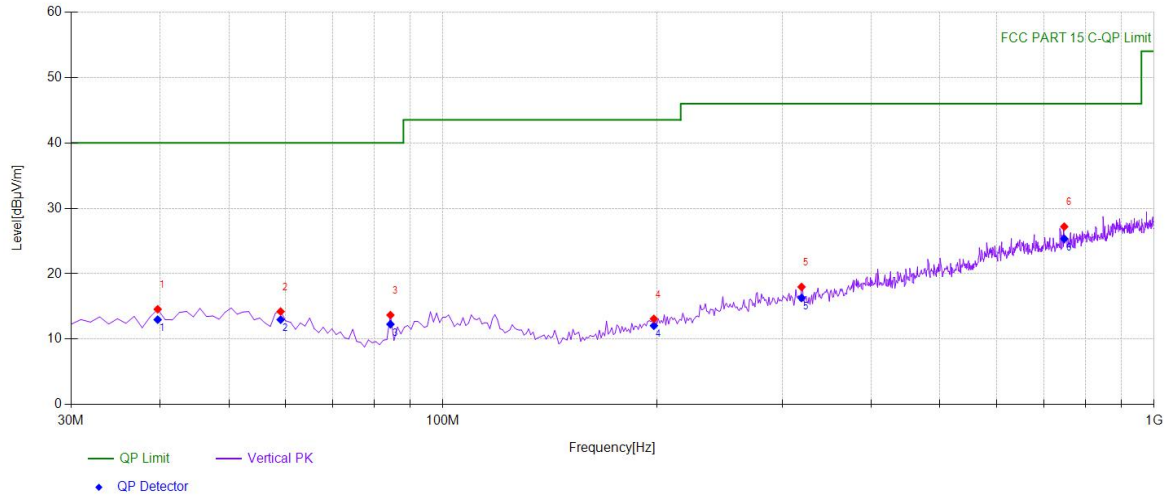
Spurious Emission in Restricted Band 2483.5-2500MHz

Test Model 802.11b 802.11g 802.11n(HT20) 802.11n(HT40)
 Channel 11: 2462MHz Channel 9: 2452MHz Polarity: V
 VBW=3MHz

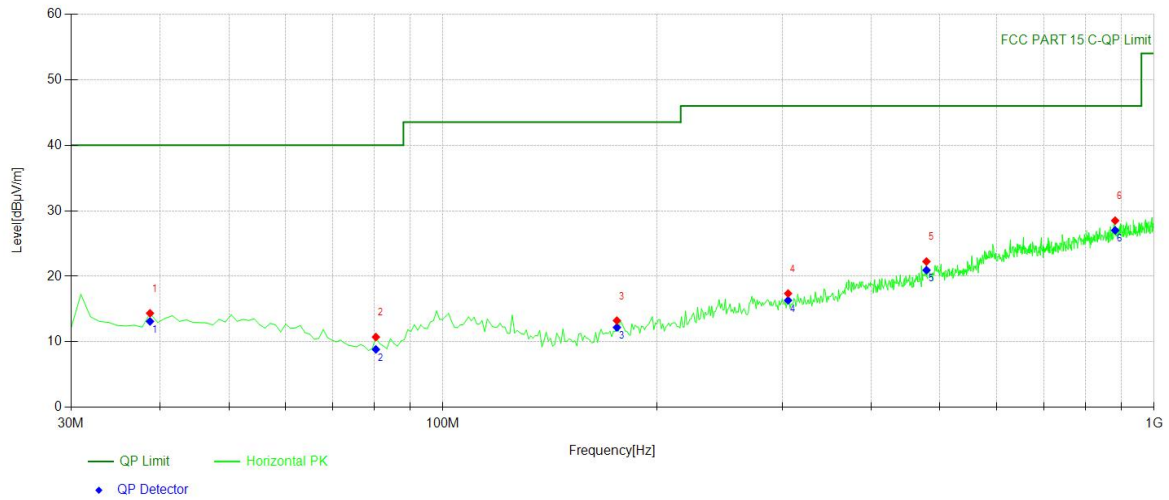


- Spurious Emission below 1GHz (30MHz to 1GHz)
All modes have been tested, and the worst result recorded was report as below:

Test mode: 802.11n(20) Frequency: Channel 1: 2412MHz

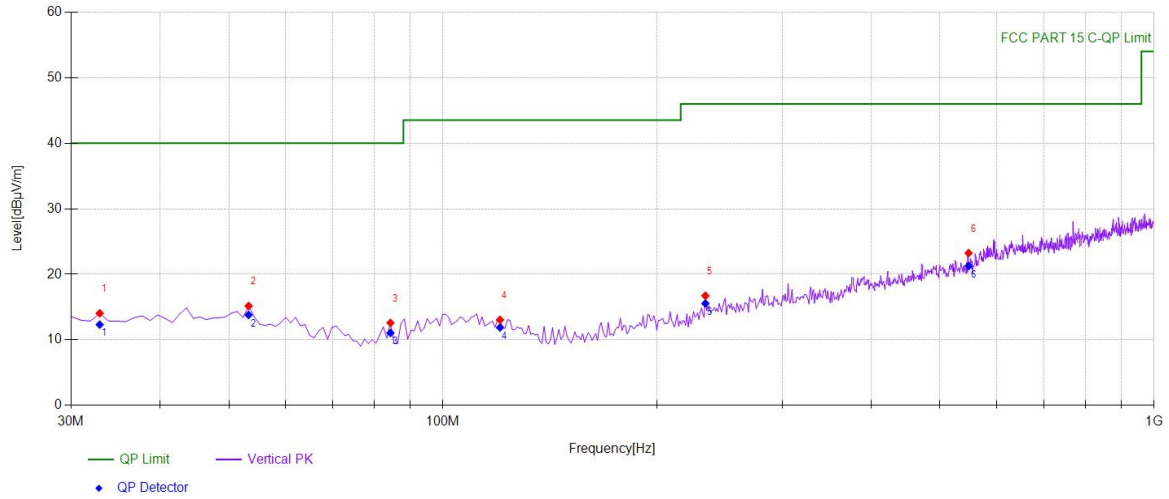


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	39.7097	32.51	-17.93	14.58	PK	40.00	25.42	Vertical
2	59.1291	32.66	-18.43	14.23	PK	40.00	25.77	Vertical
3	84.3744	34.16	-20.47	13.69	PK	40.00	26.31	Vertical
4	197.978	30.36	-17.25	13.11	PK	43.50	30.39	Vertical
5	319.349	32.12	-14.13	17.99	PK	46.00	28.01	Vertical
6	747.547	32.53	-5.33	27.20	PK	46.00	18.80	Vertical

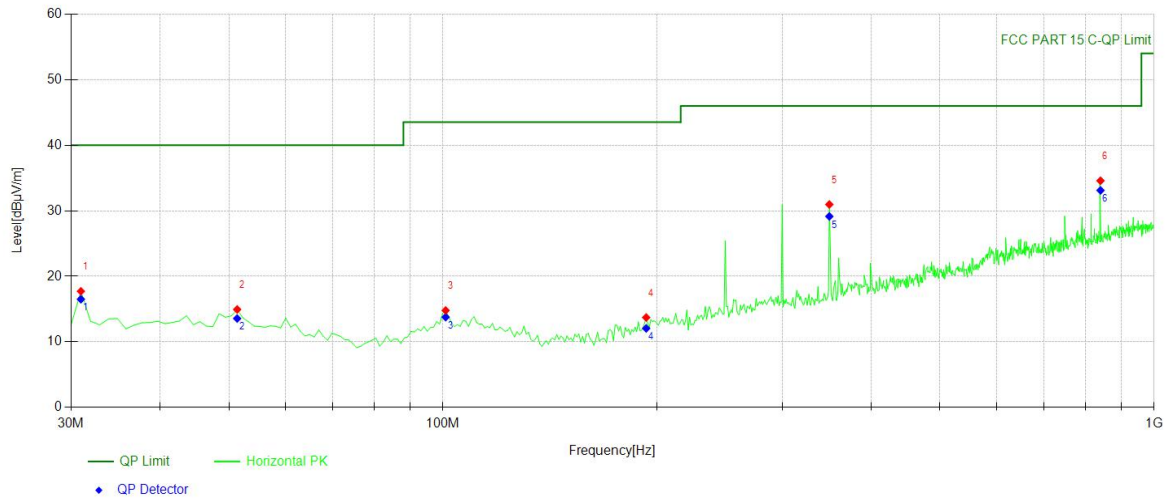


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	38.7387	32.36	-17.99	14.37	PK	40.00	25.63	Horizontal
2	80.4905	32.11	-21.37	10.74	PK	40.00	29.26	Horizontal
3	175.645	31.89	-18.64	13.25	PK	43.50	30.25	Horizontal
4	305.755	31.53	-14.15	17.38	PK	46.00	28.62	Horizontal
5	478.588	32.13	-9.87	22.26	PK	46.00	23.74	Horizontal
6	881.541	31.46	-2.96	28.50	PK	46.00	17.50	Horizontal

Test mode: 802.11n(20) Frequency: Channel 6: 2437MHz

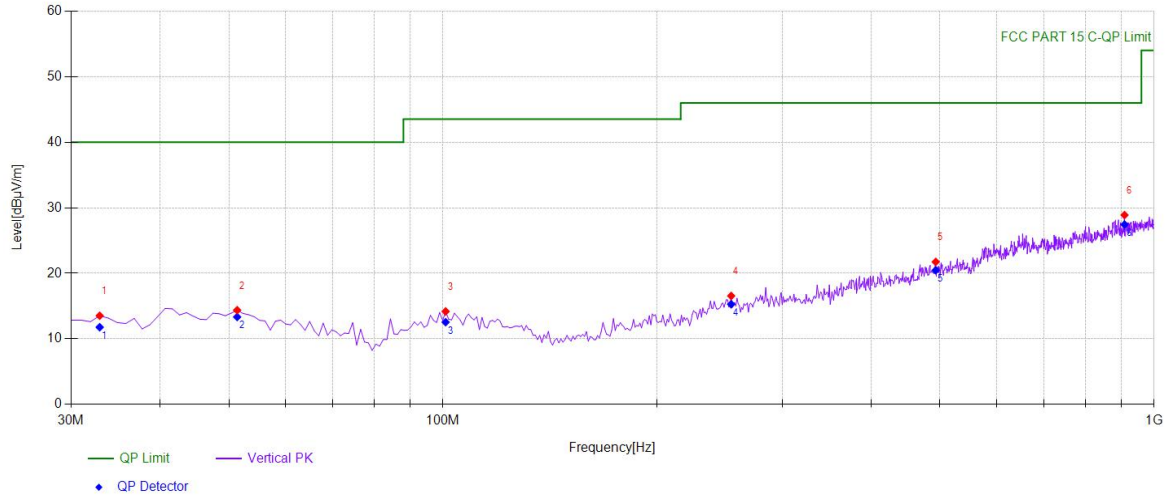


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	32.9129	32.41	-18.35	14.06	PK	40.00	25.94	Vertical
2	53.3033	32.83	-17.65	15.18	PK	40.00	24.82	Vertical
3	84.3744	33.07	-20.47	12.60	PK	40.00	27.40	Vertical
4	120.300	31.02	-17.95	13.07	PK	43.50	30.43	Vertical
5	233.903	32.50	-15.77	16.73	PK	46.00	29.27	Vertical
6	548.498	32.45	-9.21	23.24	PK	46.00	22.76	Vertical

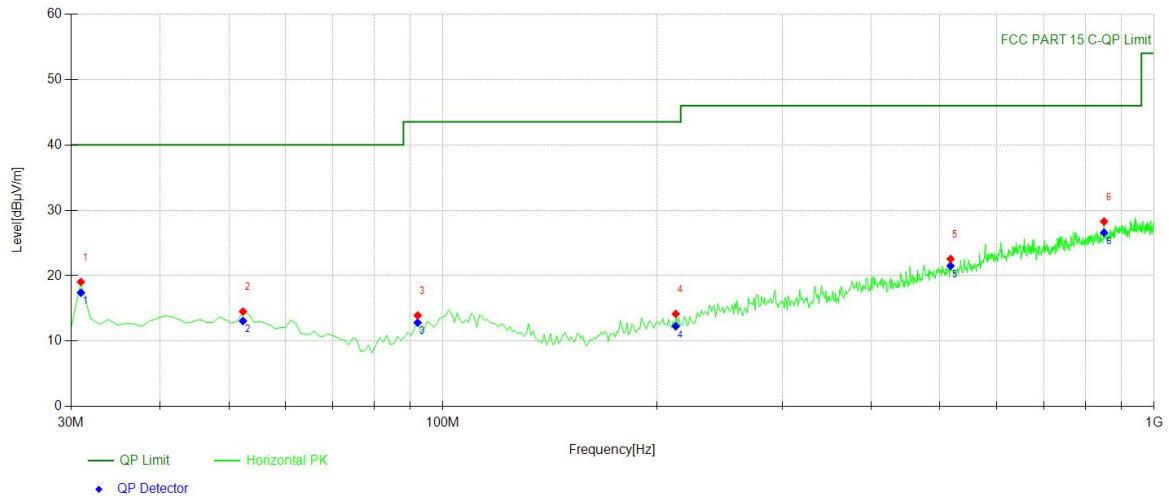


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	30.971	36.19	-18.47	17.72	PK	40.00	22.28	Horizontal
2	51.3614	32.34	-17.39	14.95	PK	40.00	25.05	Horizontal
3	100.880	31.64	-16.84	14.80	PK	43.50	28.70	Horizontal
4	193.123	31.28	-17.56	13.72	PK	43.50	29.78	Horizontal
5	349.449	44.43	-13.47	30.96	PK	46.00	15.04	Horizontal
6	840.760	38.44	-3.86	34.58	PK	46.00	11.42	Horizontal

Test mode: 802.11n(20) Frequency: Channel 11: 2462MHz



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	32.9129	31.88	-18.35	13.53	PK	40.00	26.47	Vertical
2	51.3614	31.77	-17.39	14.38	PK	40.00	25.62	Vertical
3	100.880	31.03	-16.84	14.19	PK	43.50	29.31	Vertical
4	254.294	31.73	-15.17	16.56	PK	46.00	29.44	Vertical
5	493.153	31.54	-9.79	21.75	PK	46.00	24.25	Vertical
6	908.728	31.73	-2.84	28.89	PK	46.00	17.11	Vertical



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	30.971	37.52	-18.47	19.05	PK	40.00	20.95	Horizontal
2	52.3323	32.05	-17.52	14.53	PK	40.00	25.47	Horizontal
3	92.1421	32.59	-18.66	13.93	PK	43.50	29.57	Horizontal
4	212.542	31.30	-17.12	14.18	PK	43.50	29.32	Horizontal
5	517.427	32.33	-9.77	22.56	PK	46.00	23.44	Horizontal
6	850.470	32.09	-3.80	28.29	PK	46.00	17.71	Horizontal

7.6 CONDUCTED EMISSION TEST

7.6.1 Applicable Standard

According to IC RSS-Gen 8.8

7.6.2 Conformance Limit

FCC Part 15, Subpart B, Class B

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.

7.6.3 Test Configuration

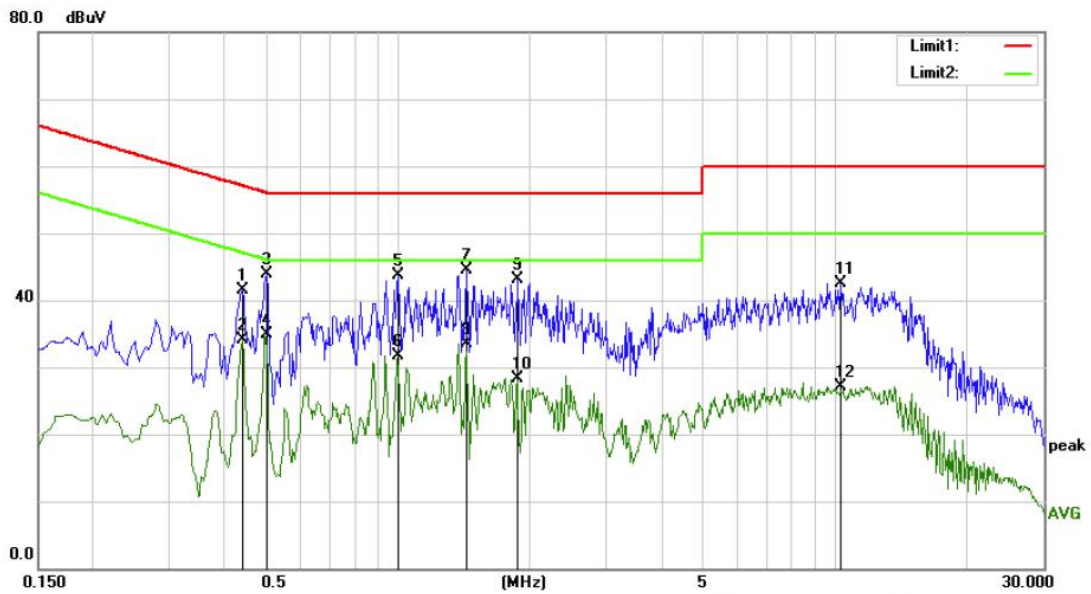
Test according to clause 6.3 conducted emission test setup 3.

7.6.4 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.

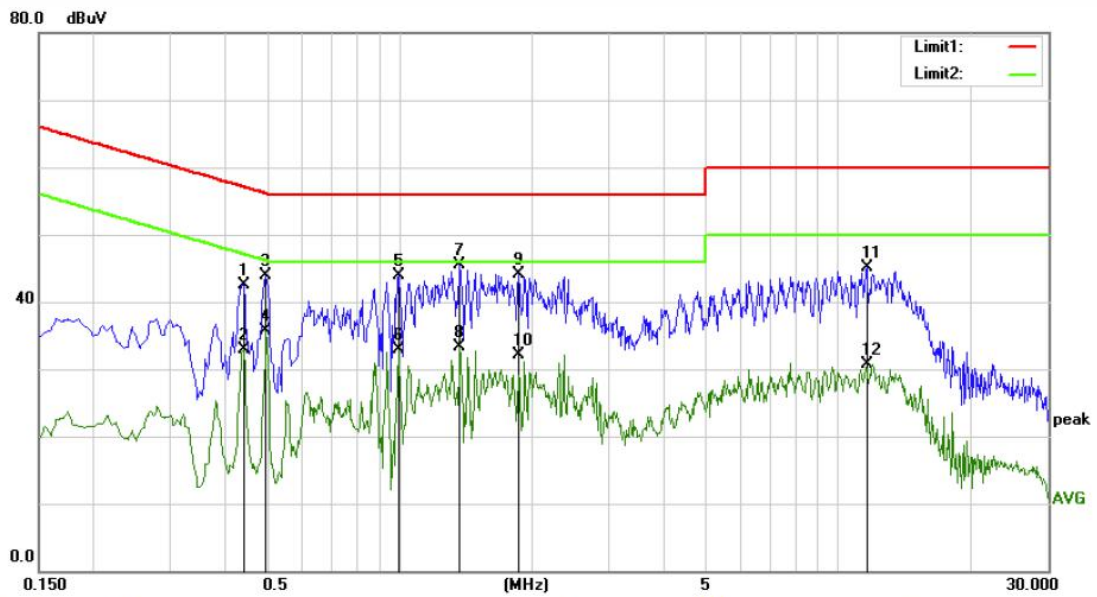
7.6.5 Test Results

Pass



Site Conduction #1 Phase: **L1** Temperature: 21.9

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.4400	31.80	9.76	41.56	57.06	-15.50	QP	
2		0.4400	24.25	9.76	34.01	47.06	-13.05	AVG	
3		0.5000	34.17	9.67	43.84	56.00	-12.16	QP	
4	*	0.5000	25.30	9.67	34.97	46.00	-11.03	AVG	
5		1.0000	33.89	9.85	43.74	56.00	-12.26	QP	
6		1.0000	21.90	9.85	31.75	46.00	-14.25	AVG	
7		1.4350	34.67	9.78	44.45	56.00	-11.55	QP	
8		1.4350	23.63	9.78	33.41	46.00	-12.59	AVG	
9		1.8800	33.44	9.72	43.16	56.00	-12.84	QP	
10		1.8800	18.51	9.72	28.23	46.00	-17.77	AVG	
11		10.3300	32.40	10.03	42.43	60.00	-17.57	QP	
12		10.3300	17.07	10.03	27.10	50.00	-22.90	AVG	



Site Conduction #1 Phase: **N** Temperature: 21.9

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.4400	32.74	9.76	42.50	57.06	-14.56	QP	
2		0.4400	23.19	9.76	32.95	47.06	-14.11	AVG	
3		0.4950	34.24	9.68	43.92	56.08	-12.16	QP	
4	*	0.4950	26.08	9.68	35.76	46.08	-10.32	AVG	
5		0.9900	34.15	9.84	43.99	56.00	-12.01	QP	
6		0.9900	22.99	9.84	32.83	46.00	-13.17	AVG	
7		1.3700	35.79	9.79	45.58	56.00	-10.42	QP	
8		1.3700	23.60	9.79	33.39	46.00	-12.61	AVG	
9		1.8650	34.44	9.72	44.16	56.00	-11.84	QP	
10		1.8650	22.41	9.72	32.13	46.00	-13.87	AVG	
11		11.5800	35.20	10.00	45.20	60.00	-14.80	QP	
12		11.5800	20.72	10.00	30.72	50.00	-19.28	AVG	

7.7 ANTENNA APPLICATION

7.7.1 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. 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 15.247 (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..

7.7.2 Result

PASS

The EUT integrated antenna, antenna1 gain is 1.05dBi, antenna2 gain is 1.05dBi.

- Antenna uses 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 ---