

11B_Ant1_Low_2412



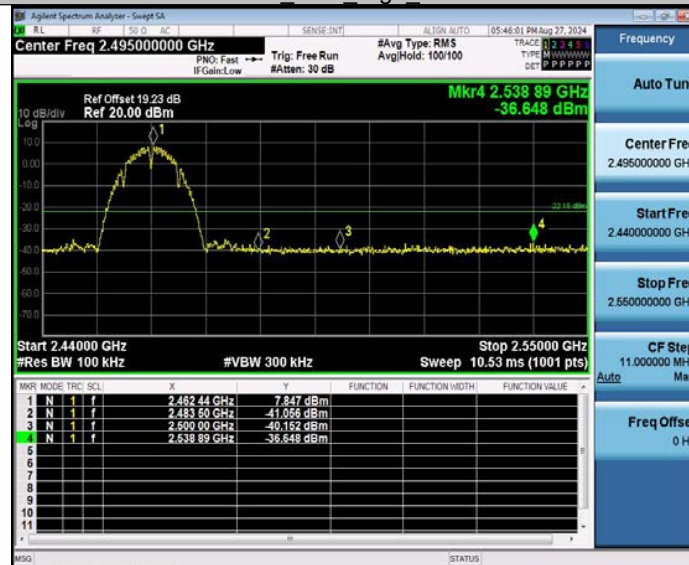
11B_Ant2_Low_2412



11B_Ant1_High_2462



11B_Ant2_High_2462



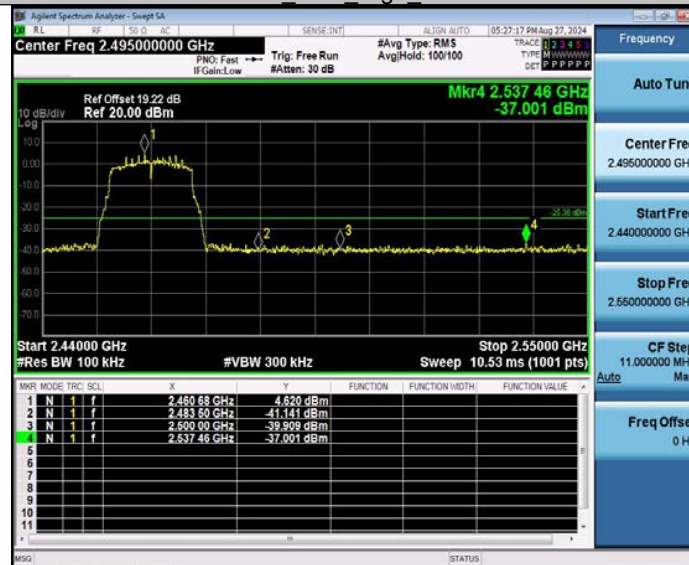
11G_Ant1_Low_2412



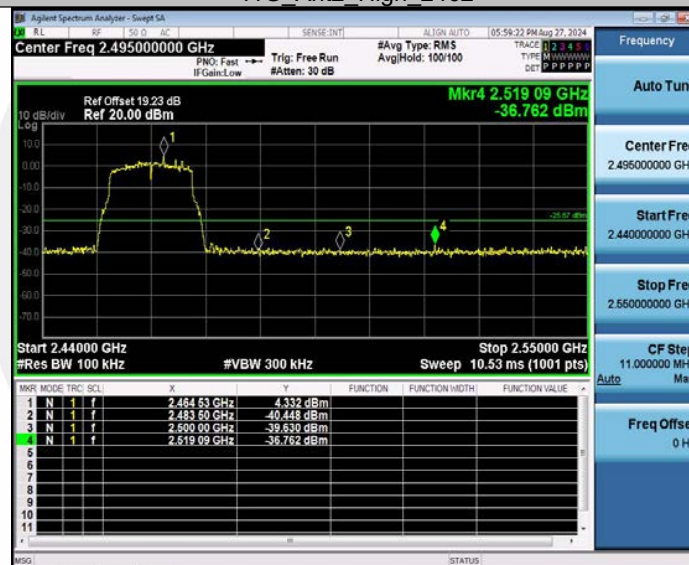
11G_Ant2_Low_2412



11G_Ant1_High_2462



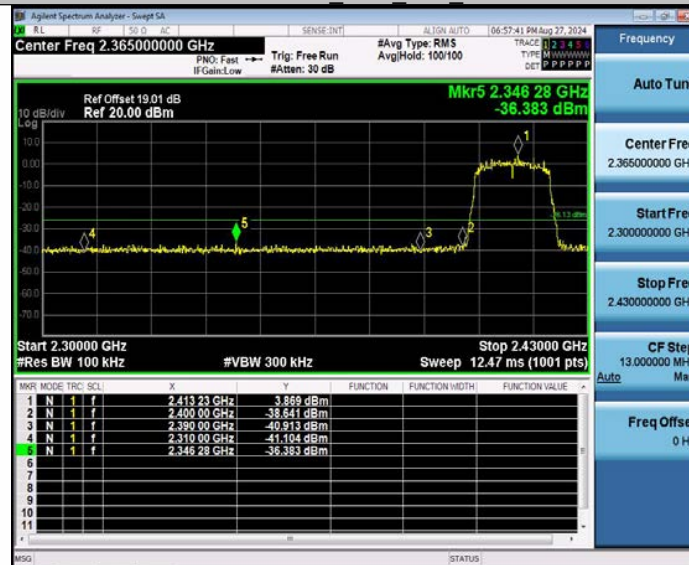
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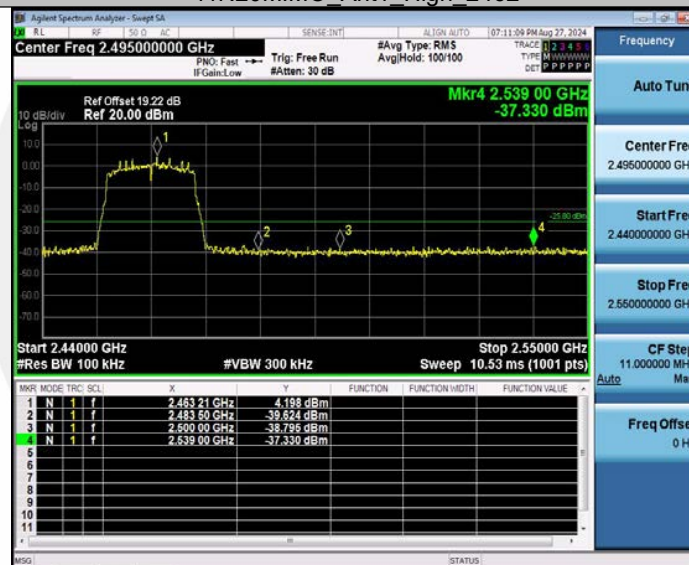
11N20MIMO_Ant1_Low_2412



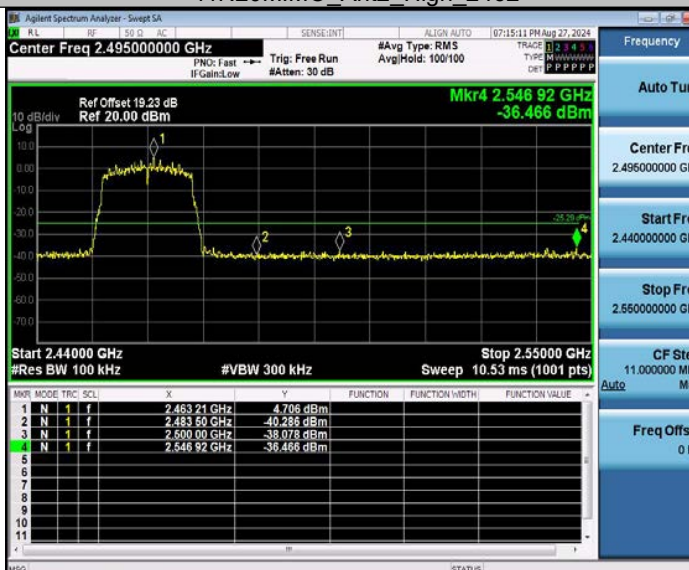
11N20MIMO_Ant2_Low_2412



11N20MIMO_Ant1_High_2462



11N20MIMO_Ant2_High_2462



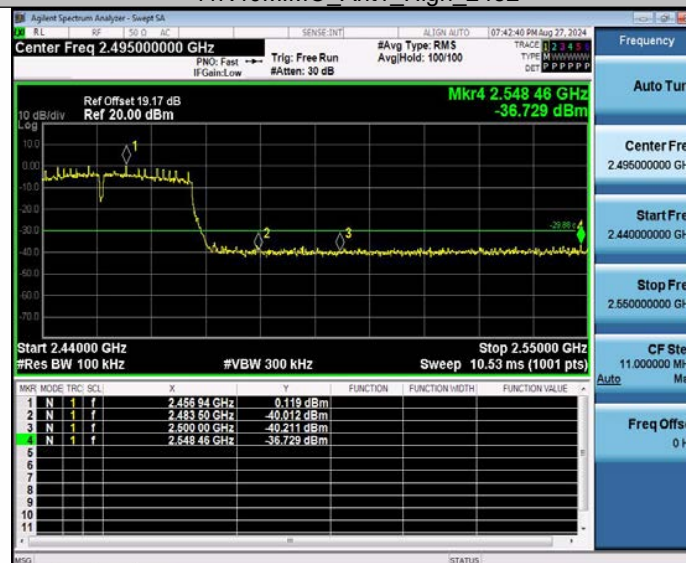
11N40MIMO_Ant1_Low_2422

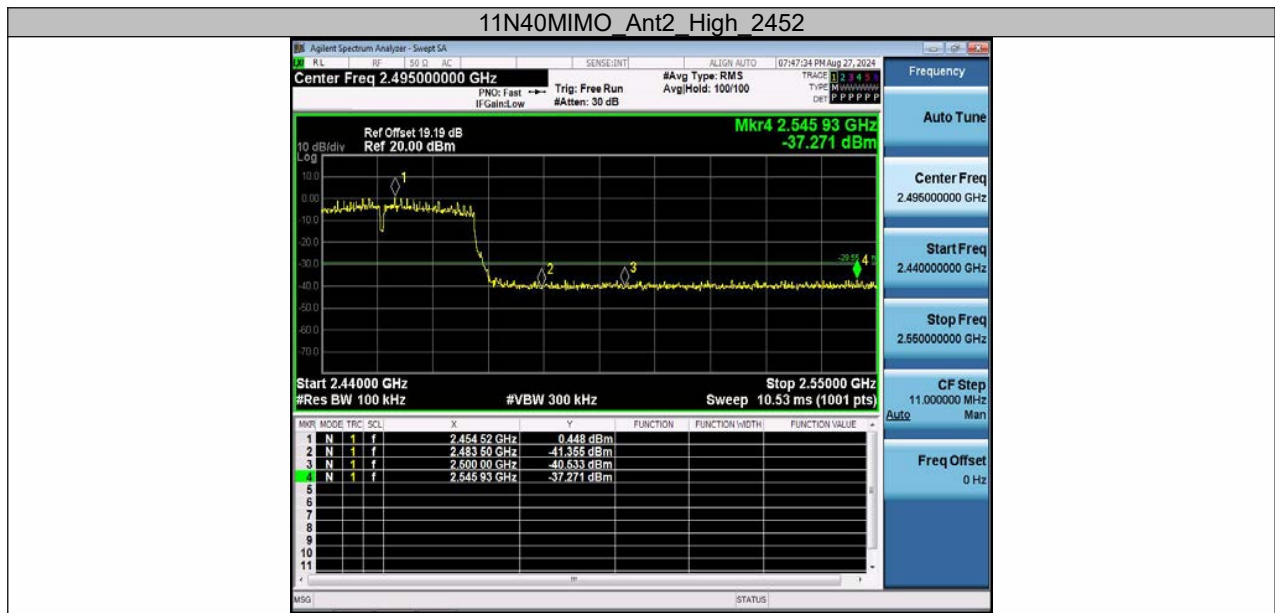


11N40MIMO_Ant2_Low_2422



11N40MIMO_Ant1_High_2452





Conducted Spurious Emission

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.31	7.31	---	PASS
			30~1000	7.31	-68.33	≤-22.69	PASS
			1000~26500	7.31	-52.88	≤-22.69	PASS
	Ant2	2412	Reference	6.49	6.49	---	PASS
			30~1000	6.49	-68.35	≤-23.51	PASS
			1000~26500	6.49	-52.68	≤-23.51	PASS
	Ant1	2437	Reference	7.04	7.04	---	PASS
			30~1000	7.04	-68.28	≤-22.96	PASS
			1000~26500	7.04	-43.67	≤-22.96	PASS
	Ant2	2437	Reference	6.93	6.93	---	PASS
			30~1000	6.93	-68.5	≤-23.07	PASS
			1000~26500	6.93	-52.74	≤-23.07	PASS
11G	Ant1	2412	Reference	2.68	2.68	---	PASS
			30~1000	2.68	-68.85	≤-27.32	PASS
			1000~26500	2.68	-51.6	≤-27.32	PASS
	Ant2	2412	Reference	0.89	0.89	---	PASS
			30~1000	0.89	-68.68	≤-29.11	PASS
			1000~26500	0.89	-42.44	≤-29.11	PASS
	Ant1	2437	Reference	3.23	3.23	---	PASS
			30~1000	3.23	-68.94	≤-26.77	PASS
			1000~26500	3.23	-42.86	≤-26.77	PASS
	Ant2	2437	Reference	1.53	1.53	---	PASS
			30~1000	1.53	-68.79	≤-28.47	PASS
			1000~26500	1.53	-37.24	≤-28.47	PASS
11N20MIMO	Ant1	2412	Reference	0.04	0.04	---	PASS
			30~1000	0.04	-67.72	≤-29.96	PASS
			1000~26500	0.04	-51.52	≤-29.96	PASS
	Ant2	2412	Reference	2.67	2.67	---	PASS
			30~1000	2.67	-69.41	≤-27.33	PASS
			1000~26500	2.67	-49.04	≤-27.33	PASS
	Ant1	2437	Reference	2.76	2.76	---	PASS
			30~1000	2.76	-68.34	≤-27.24	PASS
			1000~26500	2.76	-48.25	≤-27.24	PASS
	Ant2	2437	Reference	2.64	2.64	---	PASS
			30~1000	2.64	-68.33	≤-27.36	PASS
			1000~26500	2.64	-48.49	≤-27.36	PASS
11N20MIMO	Ant1	2462	Reference	2.25	2.25	---	PASS
			30~1000	2.25	-68.79	≤-27.75	PASS
			1000~26500	2.25	-52.55	≤-27.75	PASS
	Ant2	2462	Reference	3.70	3.70	---	PASS
			30~1000	3.70	-69.07	≤-26.3	PASS

			1000~26500	3.70	-49.96	≤ -26.3	PASS
11N40MIMO	Ant1	2422	Reference	-0.81	-0.81	---	PASS
			30~1000	-0.81	-59.39	≤ -30.81	PASS
			1000~26500	-0.81	-52.86	≤ -30.81	PASS
	Ant2	2422	Reference	0.37	0.37	---	PASS
			30~1000	0.37	-63.7	≤ -29.63	PASS
			1000~26500	0.37	-52.25	≤ -29.63	PASS
	Ant1	2437	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-65.62	≤ -30.79	PASS
			1000~26500	-0.79	-52.49	≤ -30.79	PASS
	Ant2	2437	Reference	-1.91	-1.91	---	PASS
			30~1000	-1.91	-66.06	≤ -31.91	PASS
			1000~26500	-1.91	-50.93	≤ -31.91	PASS
	Ant1	2452	Reference	-1.28	-1.28	---	PASS
			30~1000	-1.28	-62.28	≤ -31.28	PASS
			1000~26500	-1.28	-52.81	≤ -31.28	PASS
	Ant2	2452	Reference	0.02	0.02	---	PASS
			30~1000	0.02	-68.27	≤ -29.98	PASS
			1000~26500	0.02	-52.34	≤ -29.98	PASS

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



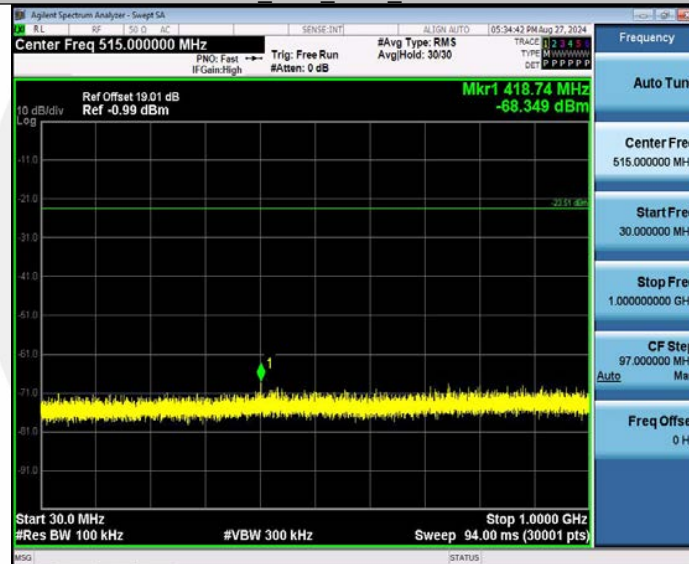
11B_Ant1_2412_1000~26500



11B_Ant2_2412_0~Reference



11B_Ant2_2412_30~1000



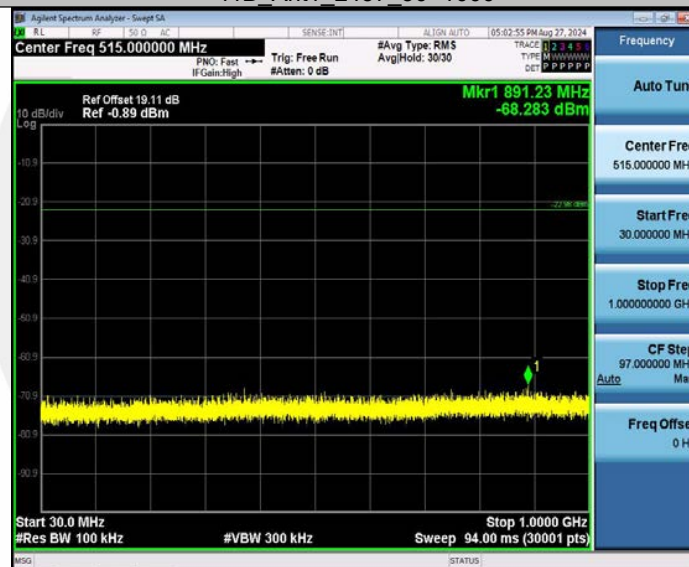
11B_Ant2_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



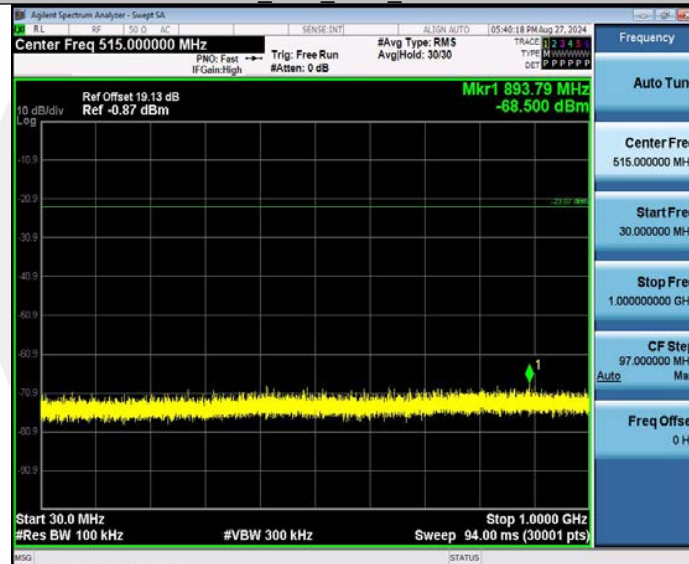
11B_Ant1_2437_1000~26500



11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



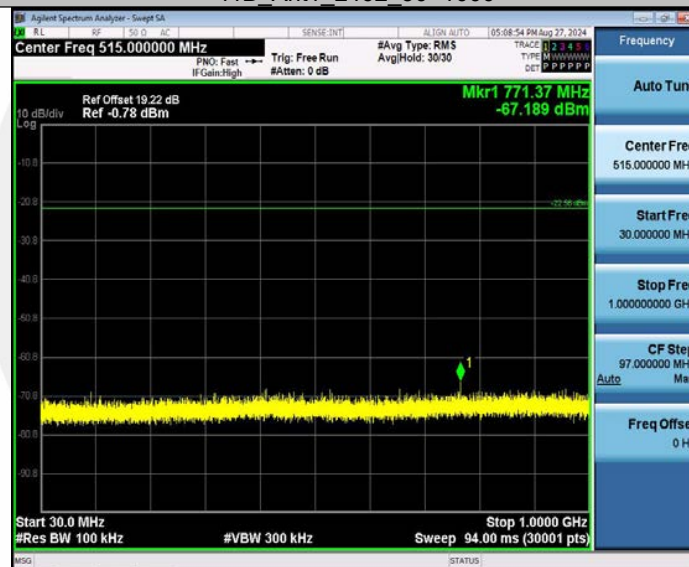
11B_Ant2_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



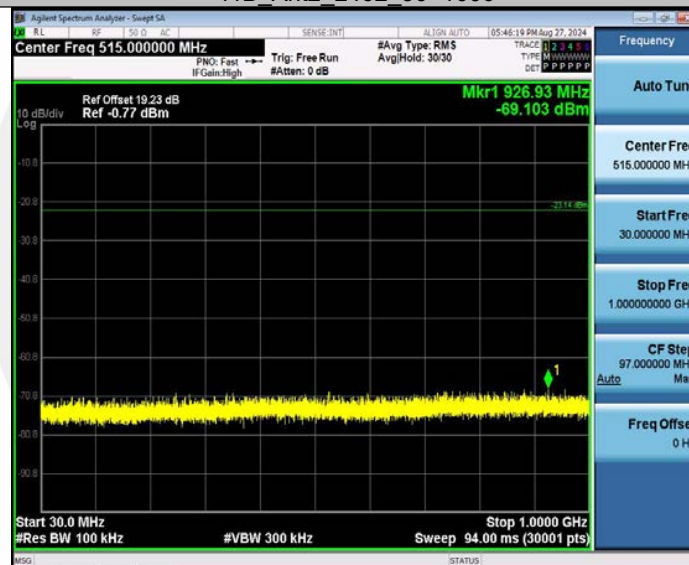
11B_Ant1_2462_1000~26500



11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000



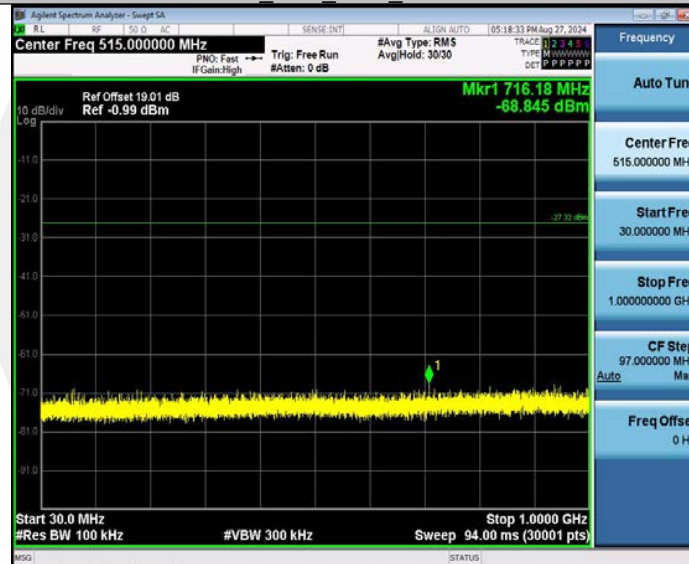
11B_Ant2_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



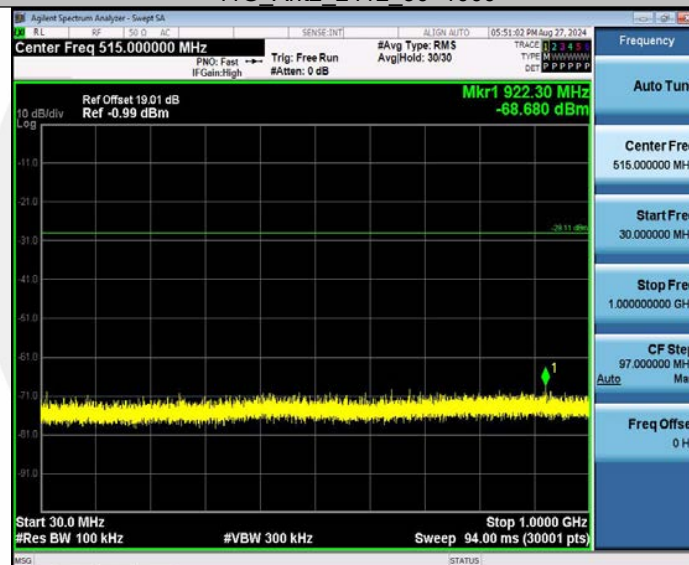
11G_Ant1_2412_1000~26500



11G_Ant2_2412_0~Reference



11G_Ant2_2412_30~1000



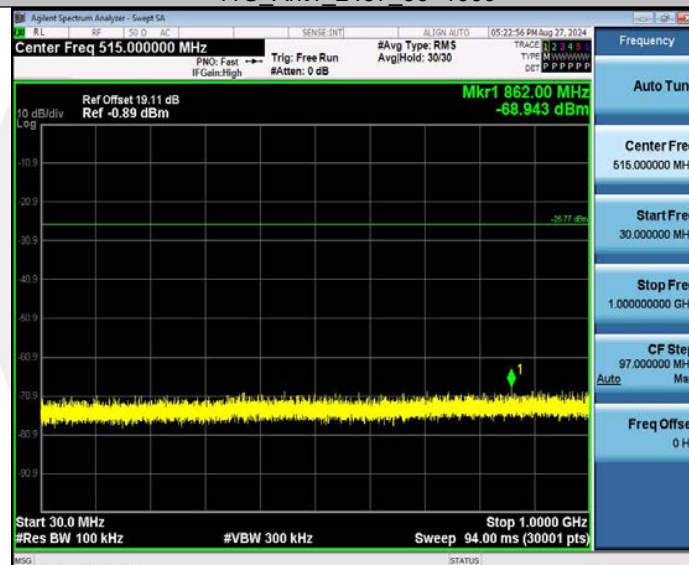
11G_Ant2_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



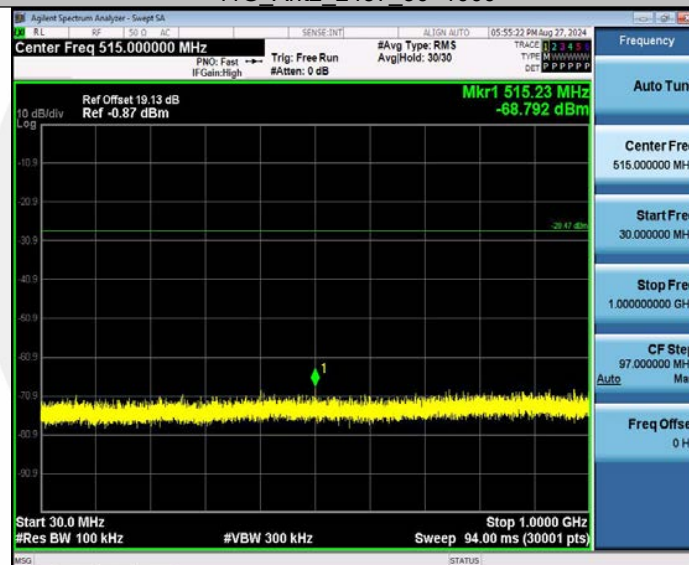
11G_Ant1_2437_1000~26500



11G_Ant2_2437_0~Reference



11G_Ant2_2437_30~1000



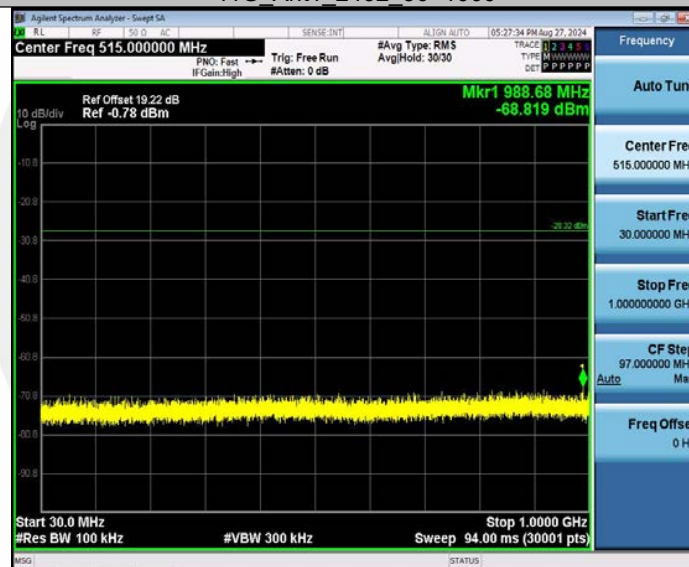
11G_Ant2_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



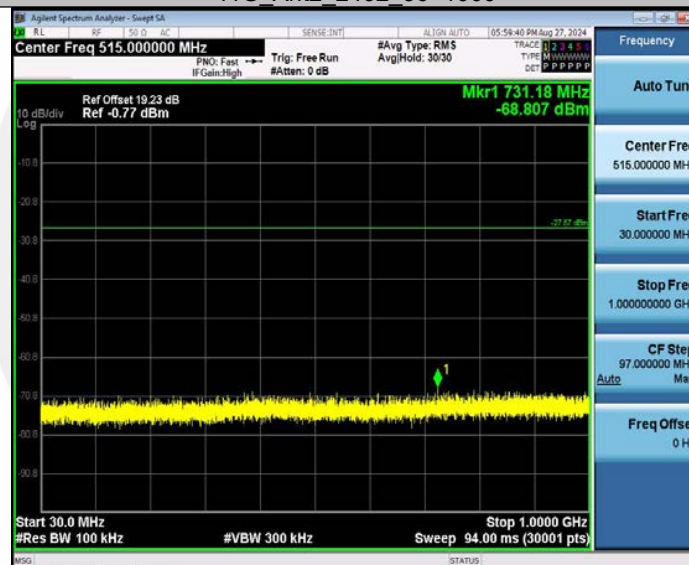
11G_Ant1_2462_1000~26500



11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



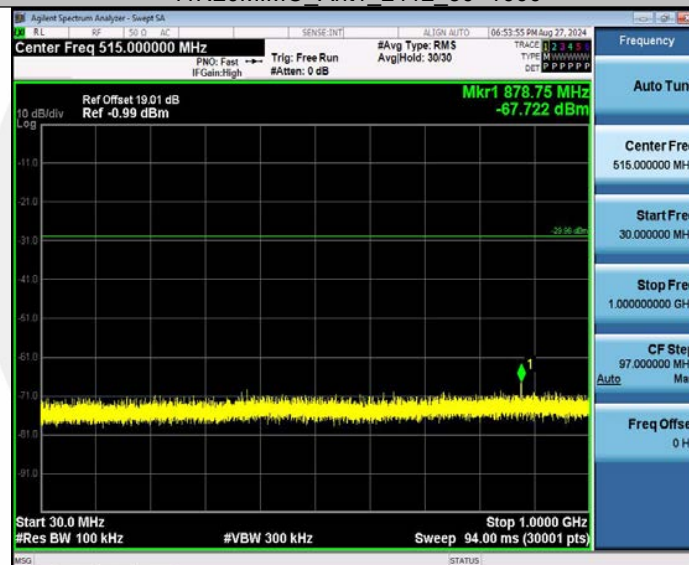
11G_Ant2_2462_1000~26500



11N20MIMO_Ant1_2412_0~Reference



11N20MIMO_Ant1_2412_30~1000



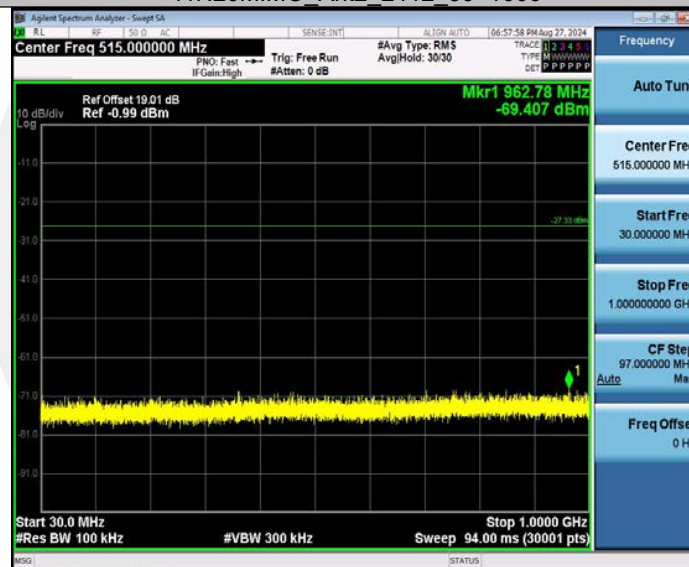
11N20MIMO_Ant1_2412_1000~26500



11N20MIMO_Ant2_2412_0~Reference



11N20MIMO_Ant2_2412_30~1000



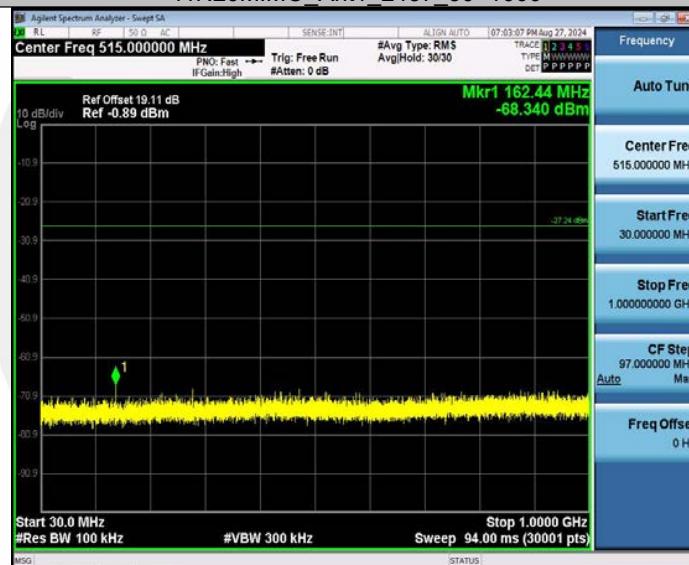
11N20MIMO_Ant2_2412_1000~26500



11N20MIMO_Ant1_2437 0~Reference



11N20MIMO_Ant1_2437 30~1000



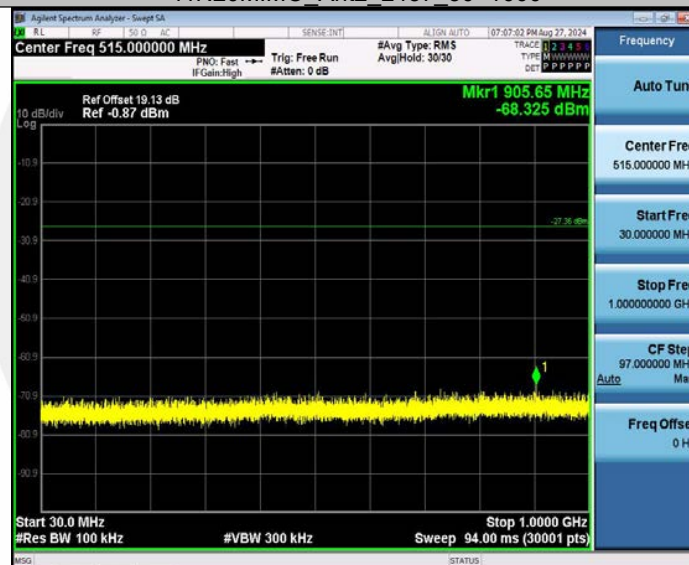
11N20MIMO_Ant1_2437 1000~26500



11N20MIMO_Ant2_2437_0~Reference



11N20MIMO_Ant2_2437_30~1000



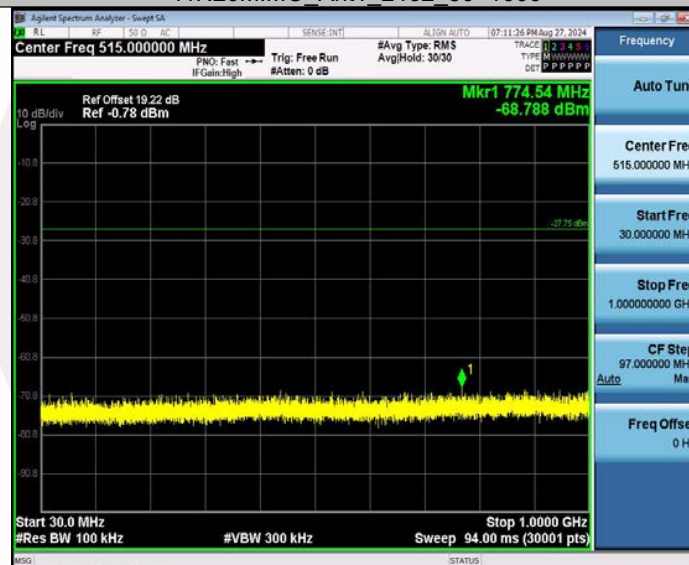
11N20MIMO_Ant2_2437_1000~26500



11N20MIMO_Ant1_2462_0~Reference



11N20MIMO_Ant1_2462_30~1000



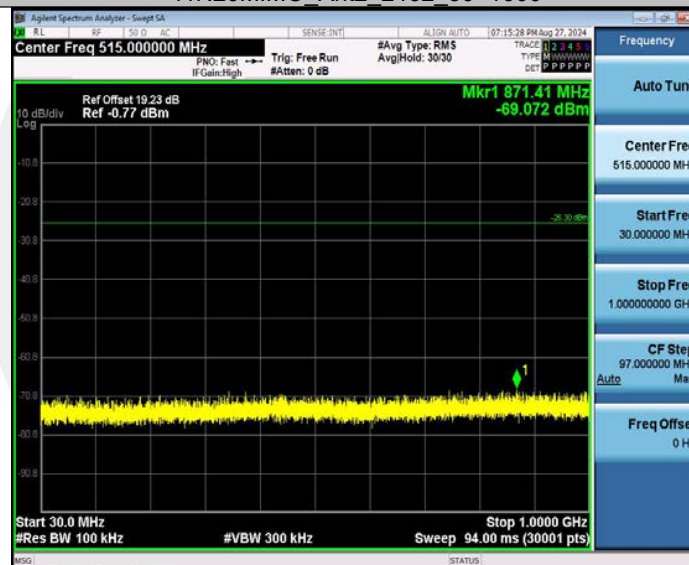
11N20MIMO_Ant1_2462_1000~26500



11N20MIMO_Ant2_2462_0~Reference



11N20MIMO_Ant2_2462_30~1000



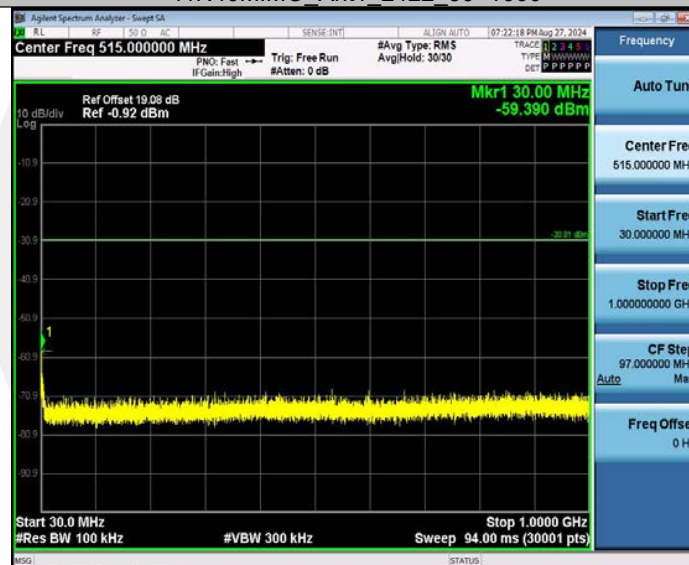
11N20MIMO_Ant2_2462_1000~26500



11N40MIMO_Ant1_2422_0~Reference



11N40MIMO_Ant1_2422_30~1000



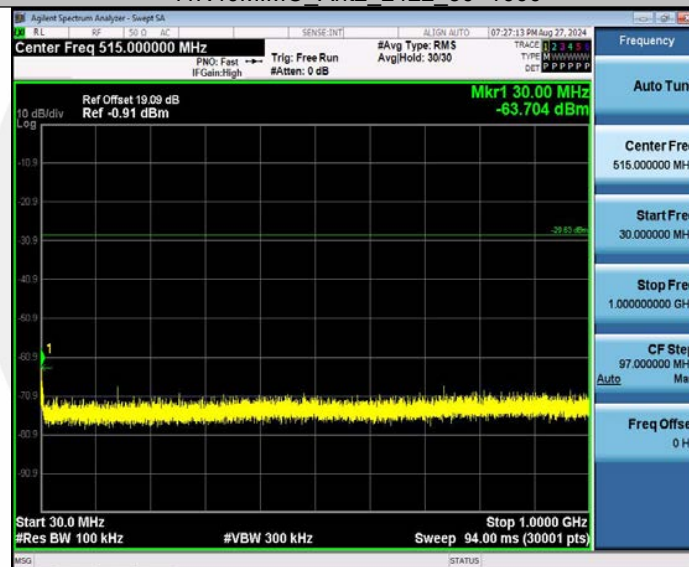
11N40MIMO_Ant1_2422_1000~26500



11N40MIMO_Ant2_2422_0~Reference



11N40MIMO_Ant2_2422_30~1000



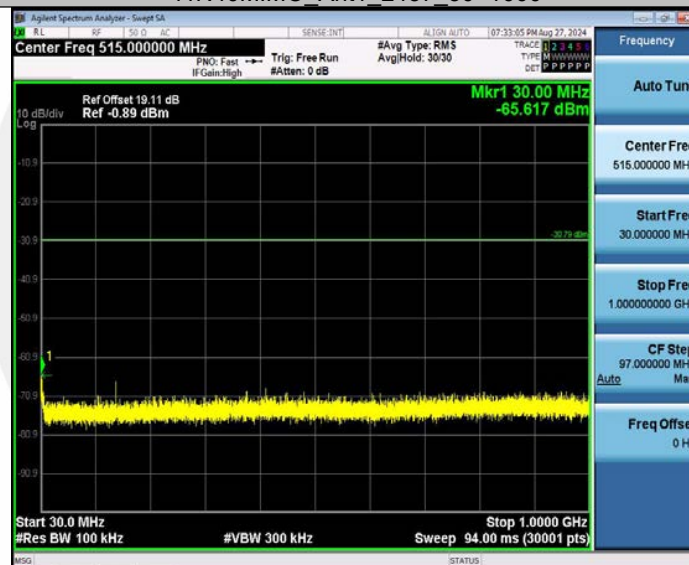
11N40MIMO_Ant2_2422_1000~26500



11N40MIMO_Ant1_2437_0~Reference



11N40MIMO_Ant1_2437_30~1000



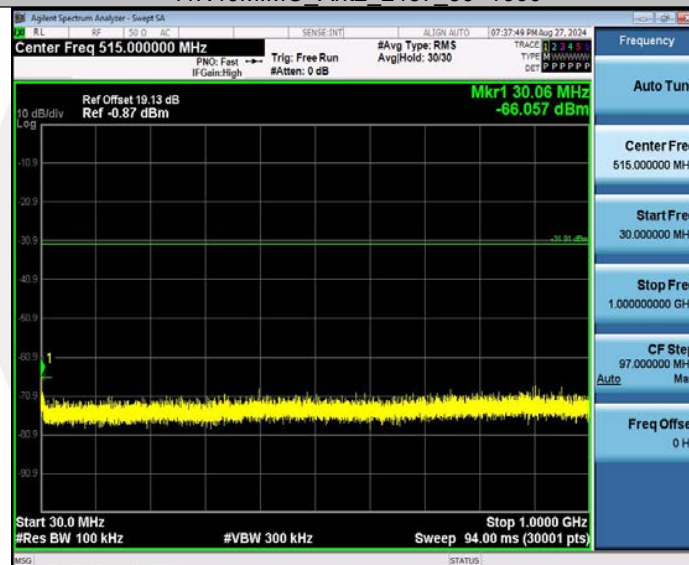
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11N40MIMO_Ant2_2437_30~1000



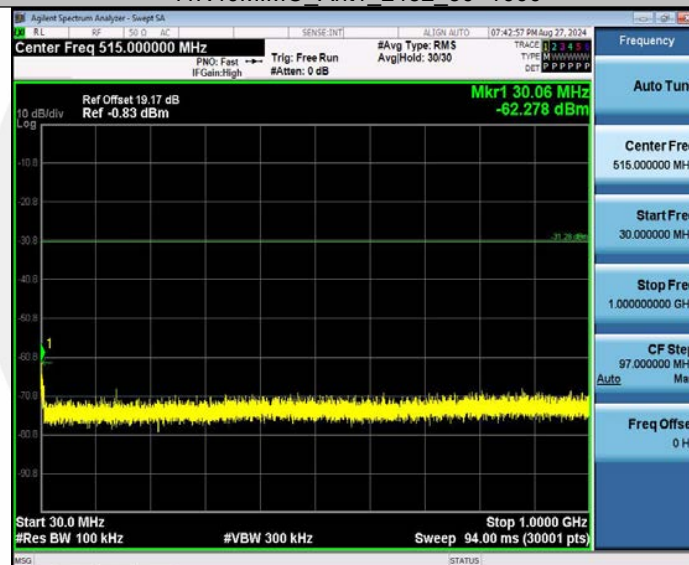
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11N40MIMO_Ant1_2452_0~Reference



11N40MIMO_Ant1_2452_30~1000



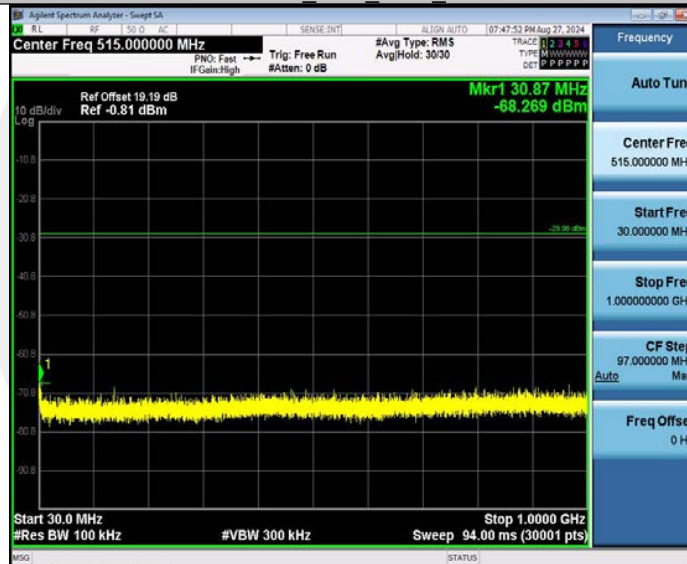
11N40MIMO_Ant1_2452_1000~26500



11N40MIMO_Ant2_2452_0~Reference



11N40MIMO_Ant2_2452_30~1000



11N40MIMO_Ant2_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 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 (μV/m)	Field Strength (dBμV/m)	Measurement Distance
0.009-0.490	2400/F(KHz)	20 log (μV/m)	300
0.490-1.705	24000/F(KHz)	20 log (μV/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 $\geq$ 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 $\geq$ 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 $\geq$ 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.

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 = $40\log(\text{Specific distance}/ \text{test distance})$ (dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor

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

All the antenna(Antenna 1&2)and modes(802.11b/g/n)have been tested and the worst(Antenna 1,802.11b) result recorded 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
7998.75	V	63.31	43.71	74.00	54.00	10.69	10.29
9898.12	V	64.98	46.67	74.00	54.00	9.02	7.33
15421.8	V	66.28	45.22	74.00	54.00	7.72	8.78
8473.12	H	63.82	45.25	74.00	54.00	10.18	8.75
9753.75	H	65.12	43.37	74.00	54.00	8.88	10.63
16216.8	H	65.59	47.33	74.00	54.00	8.41	6.67

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
8437.5	V	63.59	45.33	74.00	54.00	10.41	8.67
11536.8	V	65.36	47.30	74.00	54.00	8.64	6.70
17660.6	V	66.11	47.04	74.00	54.00	7.89	6.96
9140.62	H	64.16	45.91	74.00	54.00	9.84	8.09
12397.5	H	66.14	47.23	74.00	54.00	7.86	6.77
17101.8	H	66.12	47.01	74.00	54.00	7.88	6.99

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
8430	V	64.03	45.11	74.00	54.00	9.97	8.89
11156.2	V	66.04	45.82	74.00	54.00	7.96	8.18
15157.5	V	66.70	46.95	74.00	54.00	7.30	7.05
8983.12	H	64.24	47.31	74.00	54.00	9.76	6.69
12011.2	H	66.12	45.44	74.00	54.00	7.88	8.56
16372.5	H	67.60	46.97	74.00	54.00	6.40	7.03

- 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&2) and modes(802.11b/g/n) have been tested and the worst(Antenna 1,802.11n(HT20)) result recorded was report as below:

Test mode: 802.11n(HT20) Frequency: Channel 1: 2412MHz

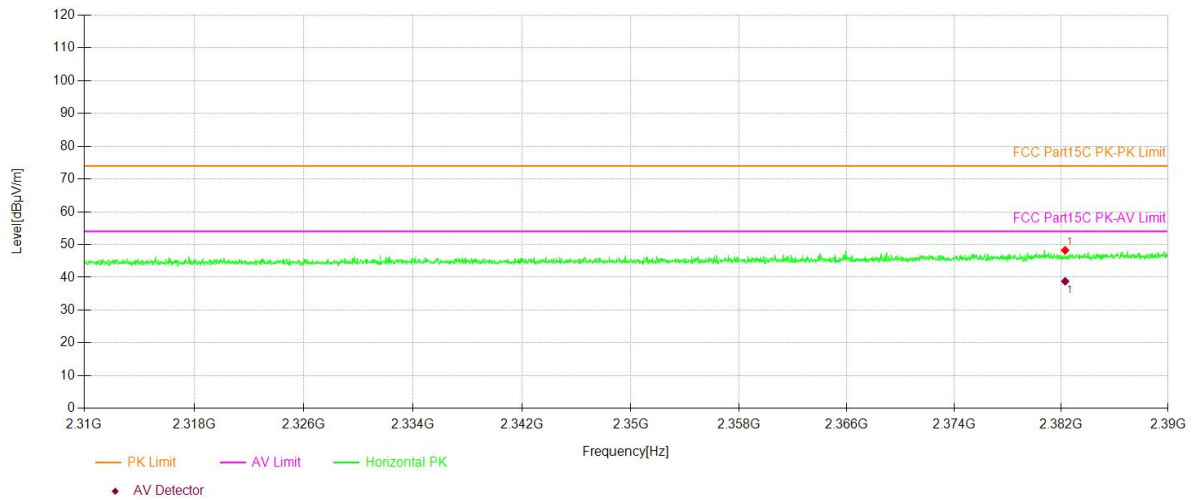
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
2382.290	H	48.26	74.00	38.78	54.00
2388.37	V	48.96	74.00	38.95	54.00

Test mode: 802.11n(HT20) Frequency: Channel 11: 2462MHz

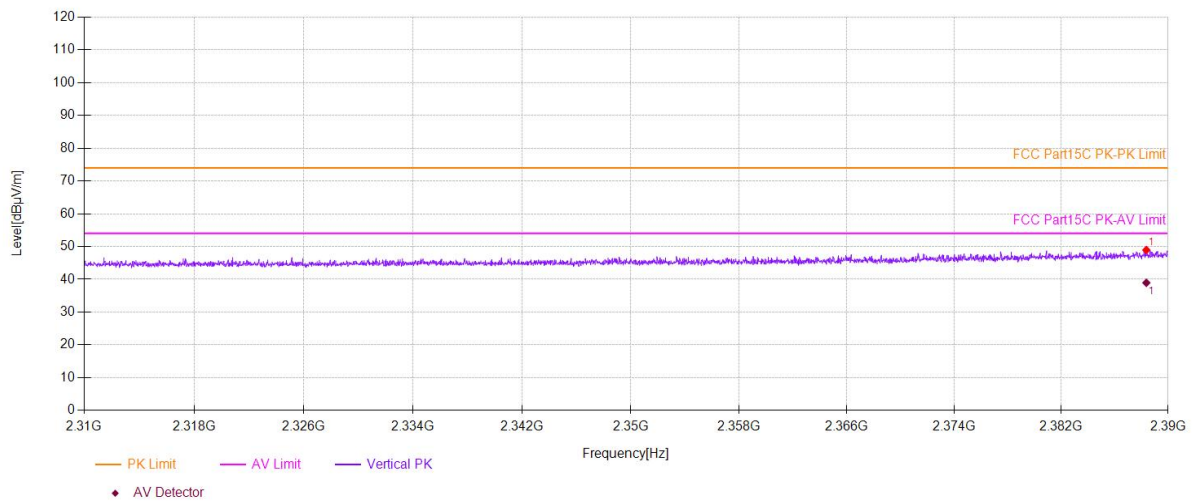
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
2485.29	H	47.35	74.00	39.63	54.00
2484.76	V	48.23	74.00	39.37	54.00

- 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.

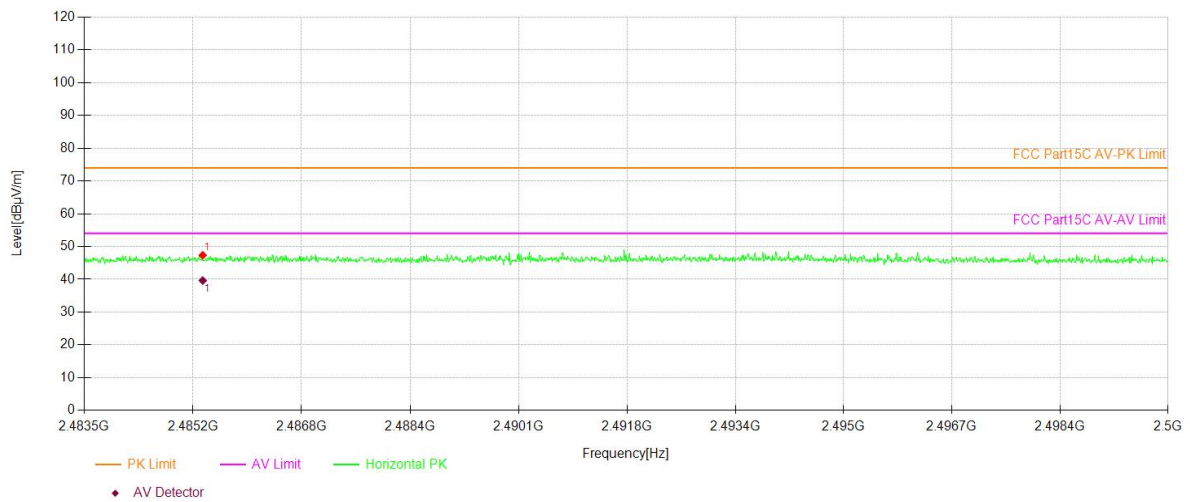
Test Model 802.11n(HT20) Spurious Emission in Restricted Band 2310-2390MHz
Channel 1: 2412MHz VBW=3MHz Polarity: H



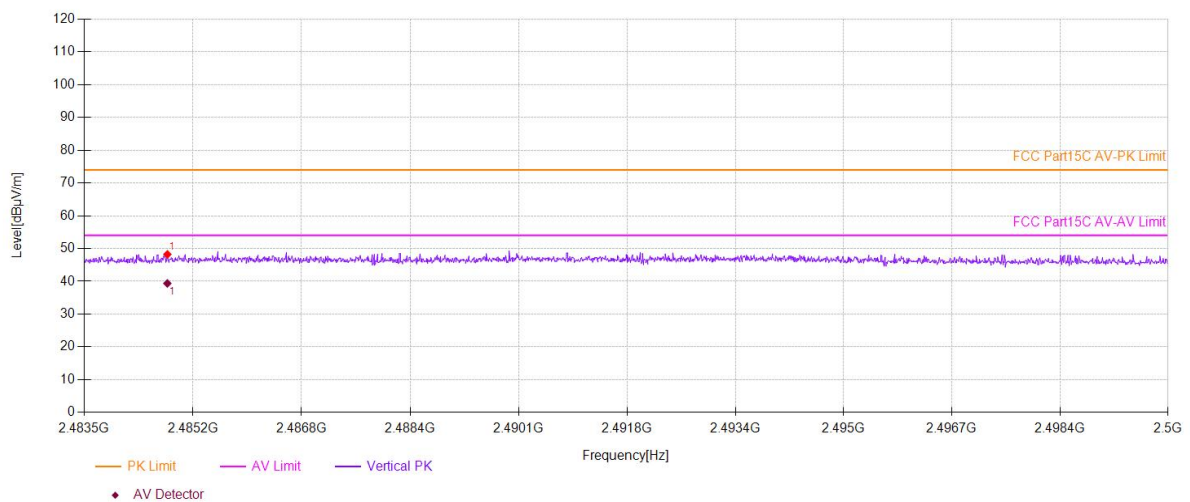
Test Model 802.11n(HT20) Spurious Emission in Restricted Band 2310-2390MHz
Channel 1: 2412MHz VBW=3MHz Polarity: V



Test Model 802.11n(HT20) Spurious Emission in Restricted Band 2483.5-2500MHz
Channel 11: 2462MHz VBW=3MHz Polarity: H



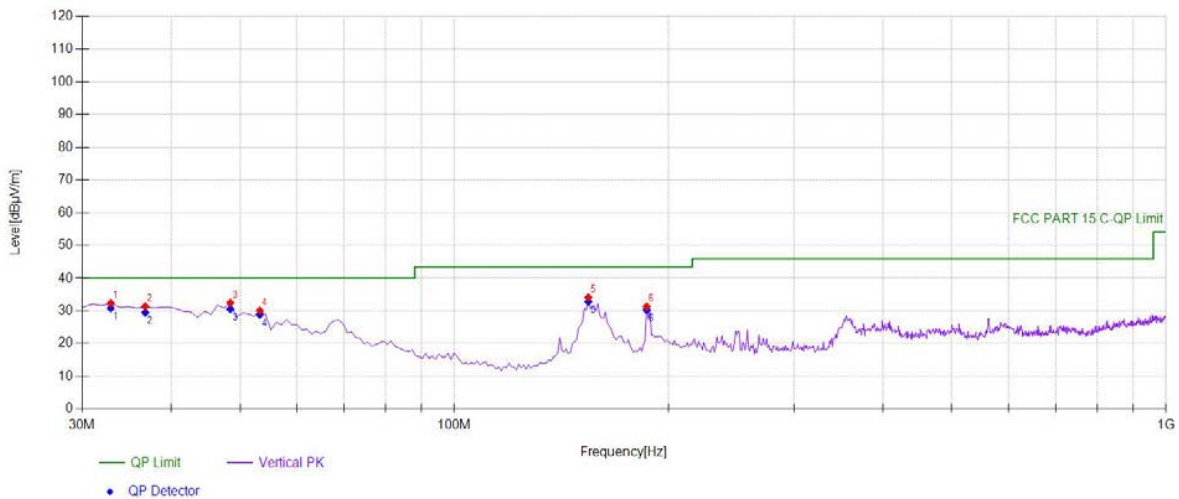
Test Model 802.11n(HT20) Spurious Emission in Restricted Band 2483.5-2500MHz
Channel 11: 2462MHz VBW=3MHz Polarity: V



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

All the antenna(Antenna 1&2) and modes(802.11b/g/n) have been tested and the worst(Antenna 1,802.11b) result recorded was report as below:

Mode:	11B 2412
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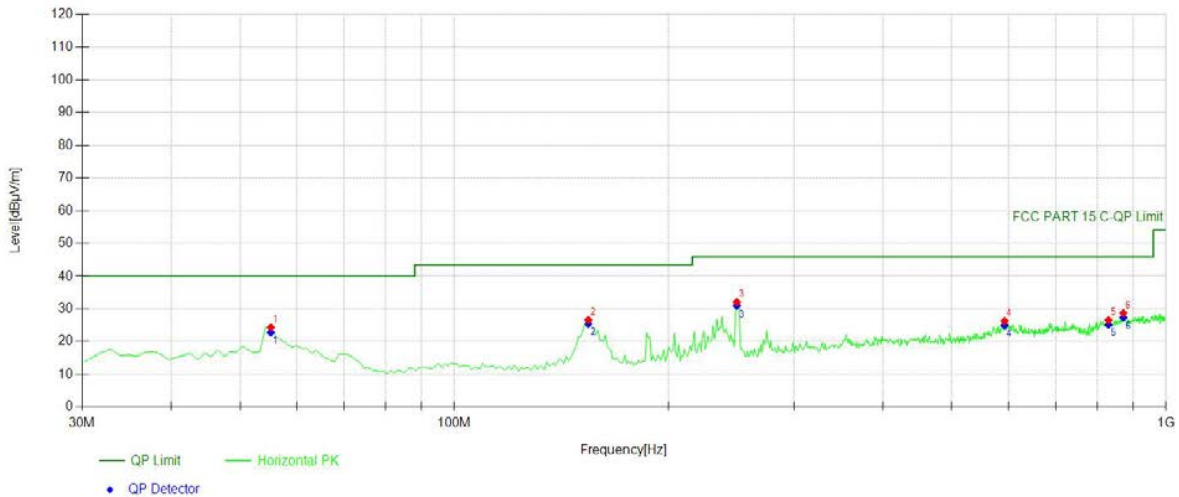
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	32.9129	50.69	-18.35	32.34	PK	40.00	7.66	Vertical
2	36.7968	49.19	-17.83	31.36	PK	40.00	8.64	Vertical
3	48.4484	48.66	-16.22	32.44	PK	40.00	7.56	Vertical
4	53.3033	46.51	-16.44	30.07	PK	40.00	9.93	Vertical
5	154.284	53.57	-19.47	34.10	PK	43.50	9.40	Vertical
6	186.326	49.51	-18.18	31.33	PK	43.50	12.17	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	32.9129	-18.35	30.81	40.00	9.19
2	36.7968	-17.83	29.47	40.00	10.53
3	48.4484	-16.22	30.55	40.00	9.45
4	53.3033	-16.44	28.82	40.00	11.18
5	154.2843	-19.47	32.85	43.50	10.65
6	186.3263	-18.18	30.25	43.50	13.25

Mode:	11B 2412
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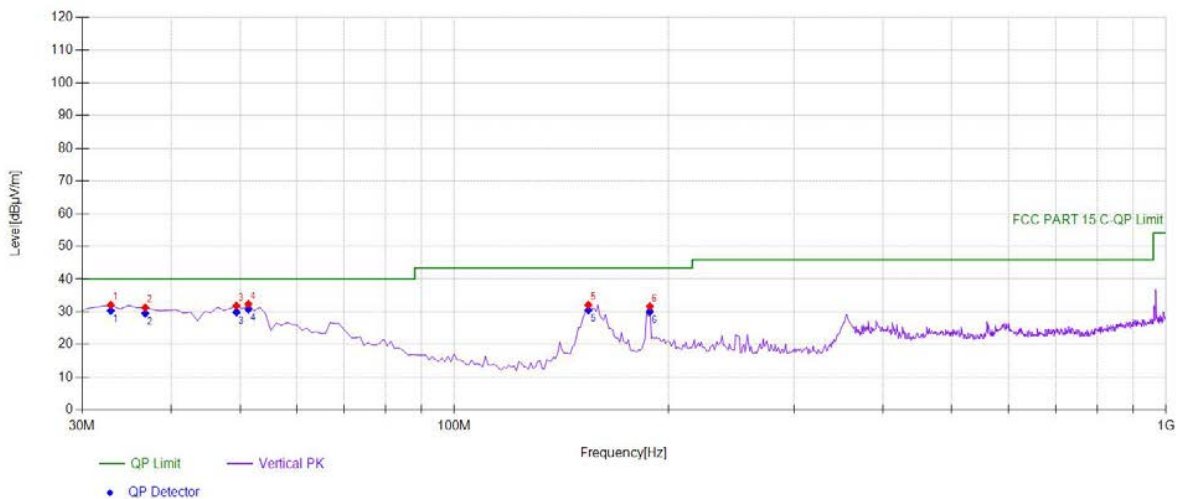
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	55.2452	40.99	-16.69	24.30	PK	40.00	15.70	Horizontal
2	154.284	46.08	-19.47	26.61	PK	43.50	16.89	Horizontal
3	249.439	47.83	-15.72	32.11	PK	46.00	13.89	Horizontal
4	593.163	33.02	-6.78	26.24	PK	46.00	19.76	Horizontal
5	830.080	31.44	-4.92	26.52	PK	46.00	19.48	Horizontal
6	870.860	32.44	-3.76	28.68	PK	46.00	17.32	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	55.2452	-16.69	22.76	40.00	17.24
2	154.2843	-19.47	25.43	43.50	18.07
3	249.4394	-15.72	30.93	46.00	15.07
4	593.1632	-6.78	24.89	46.00	21.11
5	830.0801	-4.92	25.17	46.00	20.83
6	870.8609	-3.76	27.33	46.00	18.67

Mode:	11B 2437
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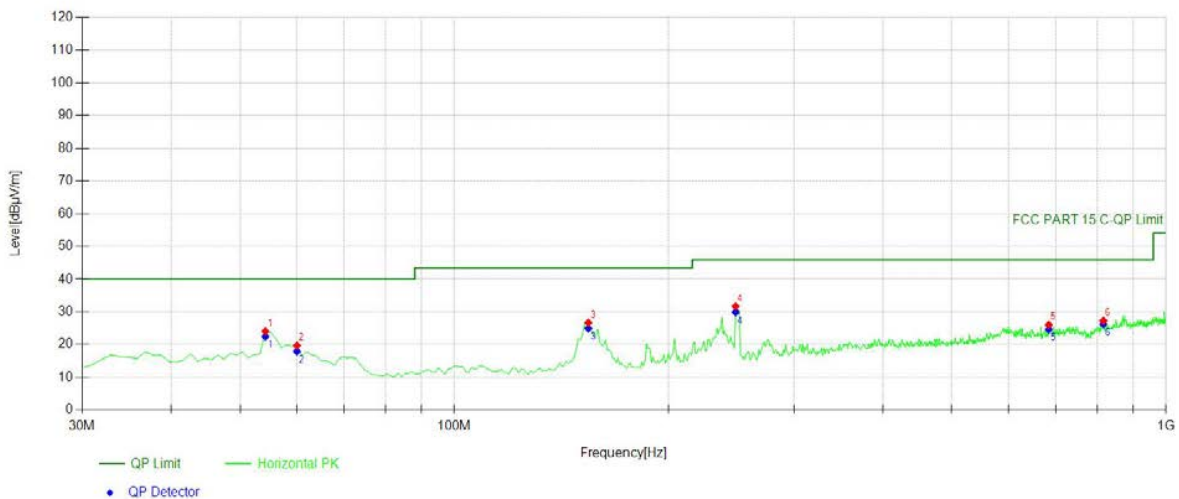
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	32.9129	50.47	-18.35	32.12	PK	40.00	7.88	Vertical
2	36.7968	49.13	-17.83	31.30	PK	40.00	8.70	Vertical
3	49.4194	47.94	-16.09	31.85	PK	40.00	8.15	Vertical
4	51.3614	48.56	-16.19	32.37	PK	40.00	7.63	Vertical
5	154.284	51.60	-19.47	32.13	PK	43.50	11.37	Vertical
6	188.268	49.75	-18.09	31.66	PK	43.50	11.84	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	32.9129	-18.35	30.34	40.00	9.66
2	36.7968	-17.83	29.52	40.00	10.48
3	49.4194	-16.09	29.90	40.00	10.10
4	51.3614	-16.19	30.78	40.00	9.22
5	154.2843	-19.47	30.54	43.50	12.96
6	188.2683	-18.09	30.07	43.50	13.43

Mode:	11B 2437
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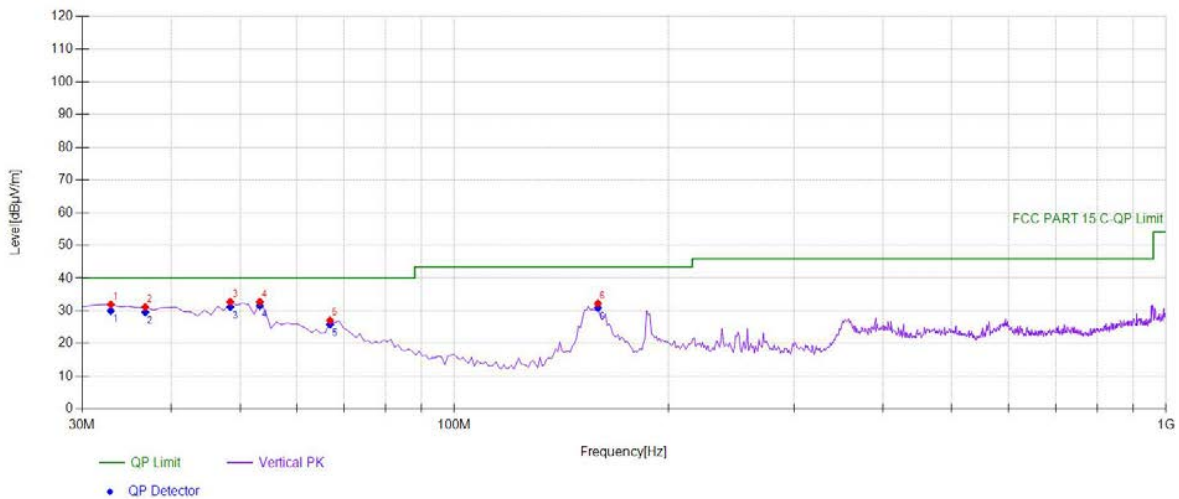
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	54.2743	40.59	-16.56	24.03	PK	40.00	15.97	Horizontal
2	60.1001	36.96	-17.33	19.63	PK	40.00	20.37	Horizontal
3	154.284	46.13	-19.47	26.66	PK	43.50	16.84	Horizontal
4	248.468	47.39	-15.71	31.68	PK	46.00	14.32	Horizontal
5	684.434	32.76	-6.74	26.02	PK	46.00	19.98	Horizontal
6	816.486	32.42	-5.15	27.27	PK	46.00	18.73	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	54.2743	-16.56	22.43	40.00	17.57
2	60.1001	-17.33	17.87	40.00	22.13
3	154.2843	-19.47	24.90	43.50	18.60
4	248.4685	-15.71	29.92	46.00	16.08
5	684.4344	-6.74	24.62	46.00	21.38
6	816.4865	-5.15	26.22	46.00	19.78

Mode:	11B 2462
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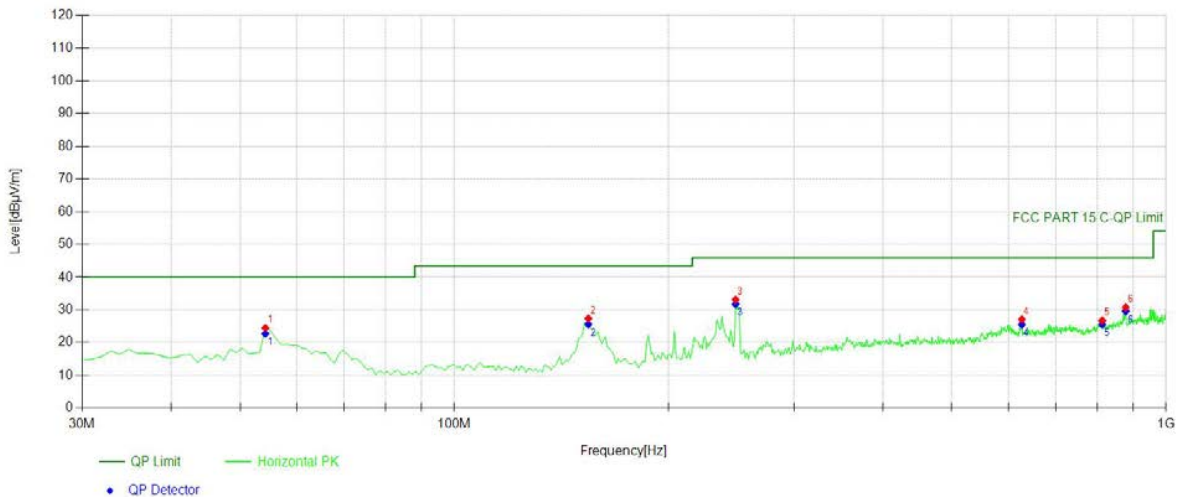
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	32.9129	50.30	-18.35	31.95	PK	40.00	8.05	Vertical
2	36.7968	48.97	-17.83	31.14	PK	40.00	8.86	Vertical
3	48.4484	48.98	-16.22	32.76	PK	40.00	7.24	Vertical
4	53.3033	49.21	-16.44	32.77	PK	40.00	7.23	Vertical
5	66.8969	45.30	-18.27	27.03	PK	40.00	12.97	Vertical
6	159.139	51.68	-19.42	32.26	PK	43.50	11.24	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	32.9129	-18.35	30.02	40.00	9.98
2	36.7968	-17.83	29.57	40.00	10.43
3	48.4484	-16.22	31.19	40.00	8.81
4	53.3033	-16.44	31.56	40.00	8.44
5	66.8969	-18.27	25.82	40.00	14.18
6	159.1391	-19.42	30.89	43.50	12.61

Mode:	11B 2462
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Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	54.2743	40.99	-16.56	24.43	PK	40.00	15.57	Horizontal
2	154.284	46.79	-19.47	27.32	PK	43.50	16.18	Horizontal
3	248.468	48.83	-15.71	33.12	PK	46.00	12.88	Horizontal
4	627.147	34.65	-7.59	27.06	PK	46.00	18.94	Horizontal
5	813.573	31.91	-5.18	26.73	PK	46.00	19.27	Horizontal
6	877.657	34.46	-3.70	30.76	PK	46.00	15.24	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	54.2743	-16.56	22.67	40.00	17.33
2	154.2843	-19.47	25.56	43.50	17.94
3	248.4685	-15.71	31.72	46.00	14.28
4	627.1471	-7.59	25.49	46.00	20.51
5	813.5736	-5.18	25.52	46.00	20.48
6	877.6577	-3.70	29.55	46.00	16.45

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

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.

8.7.3 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: