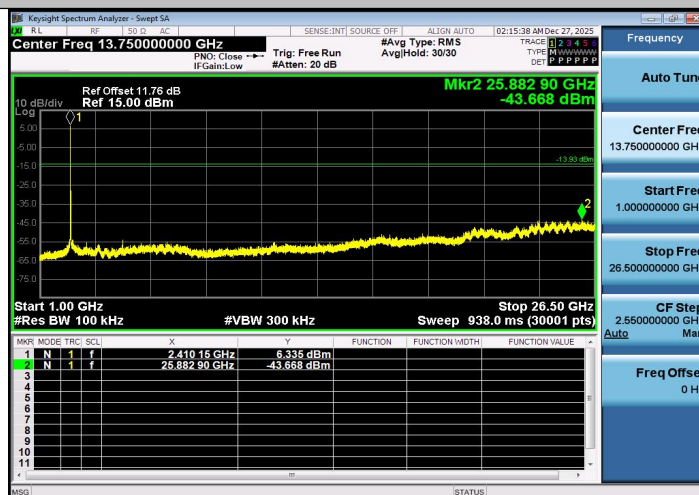
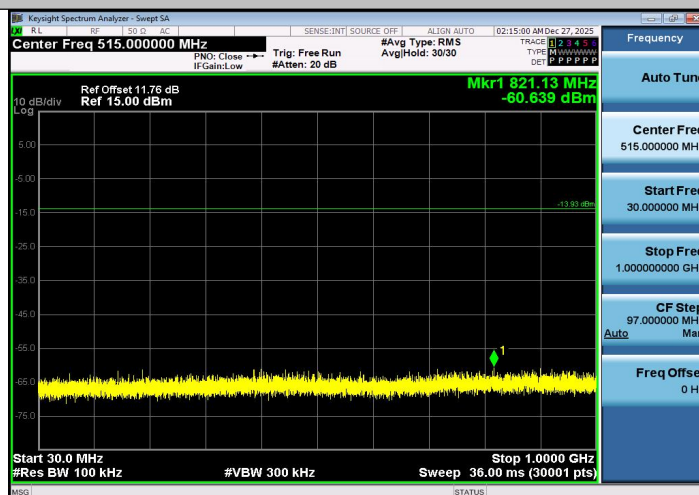




TEST REPORT N°: CRWJ-ESH-P25120941B-3

3.6.5 Test Results

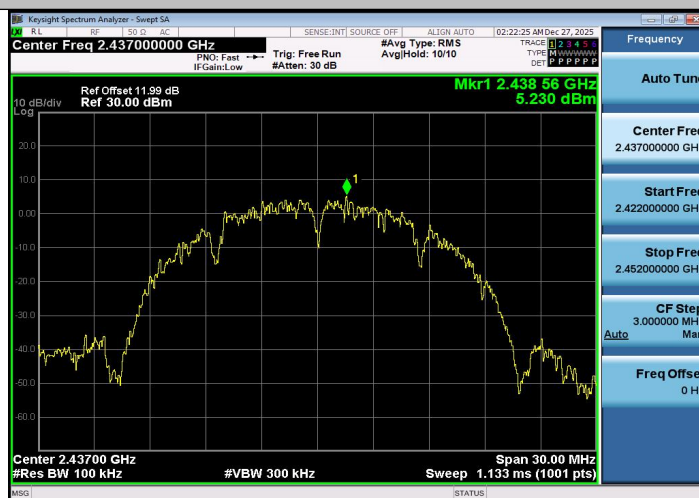
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.07	6.07	---	PASS
			30~1000	6.07	-60.64	≤-13.93	PASS
			1000~26500	6.07	-43.67	≤-13.93	PASS
		2437	Reference	5.23	5.23	---	PASS
			30~1000	5.23	-60.49	≤-14.77	PASS
			1000~26500	5.23	-42.94	≤-14.77	PASS
		2462	Reference	6.25	6.25	---	PASS
			30~1000	6.25	-59.96	≤-13.75	PASS
			1000~26500	6.25	-43.07	≤-13.75	PASS
11G	Ant1	2412	Reference	1.61	1.61	---	PASS
			30~1000	1.61	-59.31	≤-18.39	PASS
			1000~26500	1.61	-43.54	≤-18.39	PASS
		2437	Reference	2.90	2.90	---	PASS
			30~1000	2.90	-59.44	≤-17.1	PASS
			1000~26500	2.90	-43.29	≤-17.1	PASS
		2462	Reference	0.64	0.64	---	PASS
			30~1000	0.64	-59.64	≤-19.36	PASS
			1000~26500	0.64	-43.31	≤-19.36	PASS
11N20SISO	Ant1	2412	Reference	-0.17	-0.17	---	PASS
			30~1000	-0.17	-60.76	≤-20.17	PASS
			1000~26500	-0.17	-43.78	≤-20.17	PASS
		2437	Reference	0.63	0.63	---	PASS
			30~1000	0.63	-60.66	≤-19.37	PASS
			1000~26500	0.63	-42.68	≤-19.37	PASS
		2462	Reference	0.74	0.74	---	PASS
			30~1000	0.74	-60.38	≤-19.26	PASS
			1000~26500	0.74	-43.02	≤-19.26	PASS
11N40SISO	Ant1	2422	Reference	-0.86	-0.86	---	PASS
			30~1000	-0.86	-60.85	≤-20.86	PASS
			1000~26500	-0.86	-43.26	≤-20.86	PASS
		2437	Reference	0.65	0.65	---	PASS
			30~1000	0.65	-59.37	≤-19.35	PASS
			1000~26500	0.65	-43.01	≤-19.35	PASS
		2452	Reference	0.88	0.88	---	PASS
			30~1000	0.88	-60.02	≤-19.12	PASS
			1000~26500	0.88	-43.75	≤-19.12	PASS



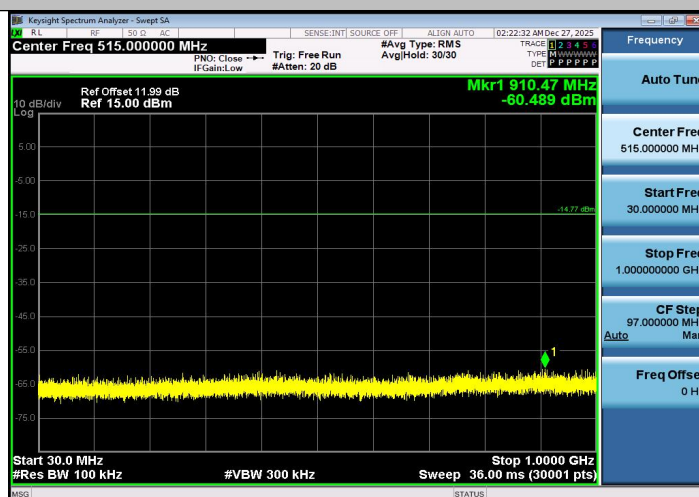


TEST REPORT N°: CRWJ-ESH-P25120941B-3

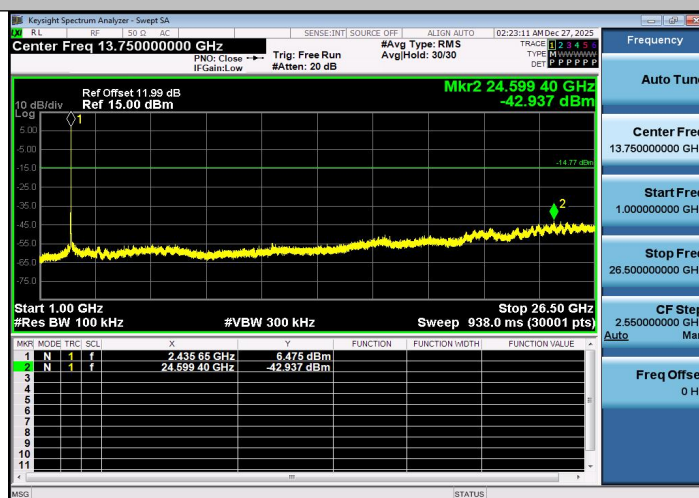
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500



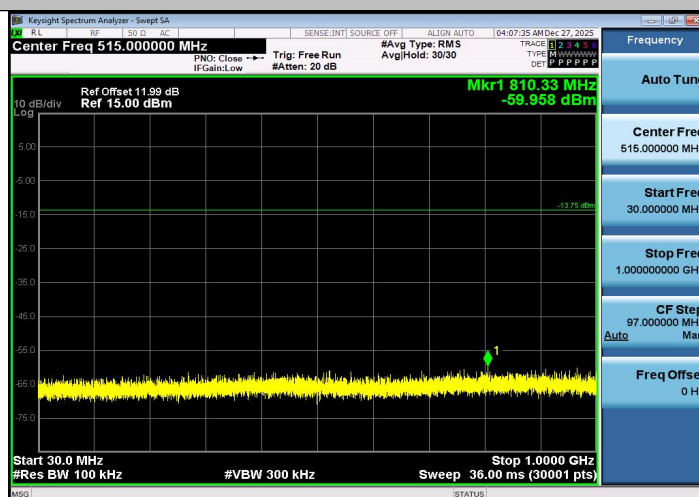


TEST REPORT N°: CRWJ-ESH-P25120941B-3

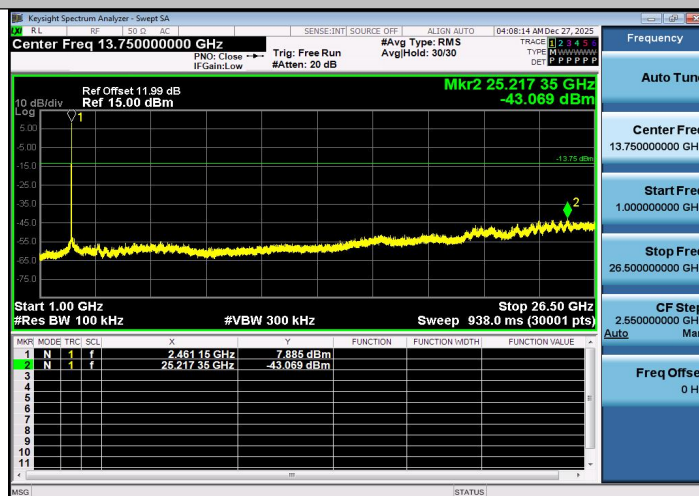
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



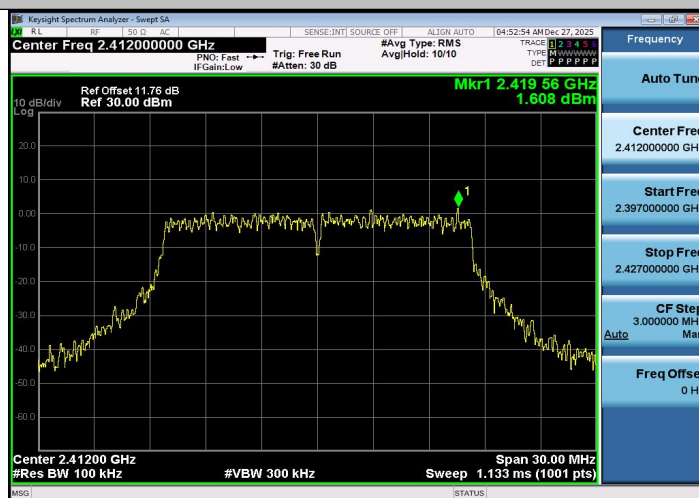
11B_Ant1_2462_1000~26500



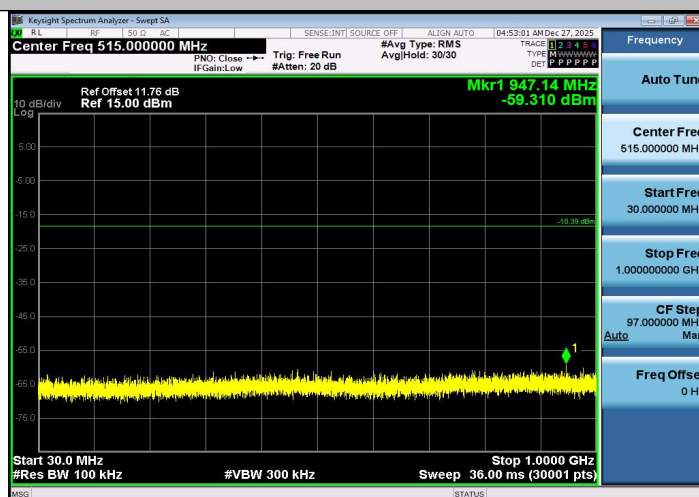


TEST REPORT N°: CRWJ-ESH-P25120941B-3

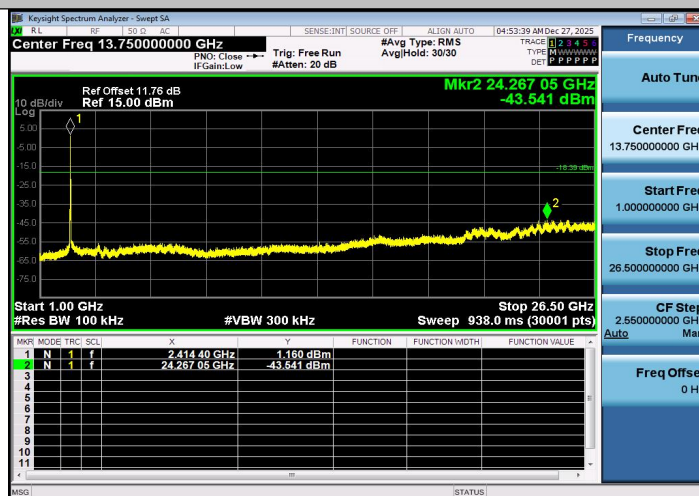
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



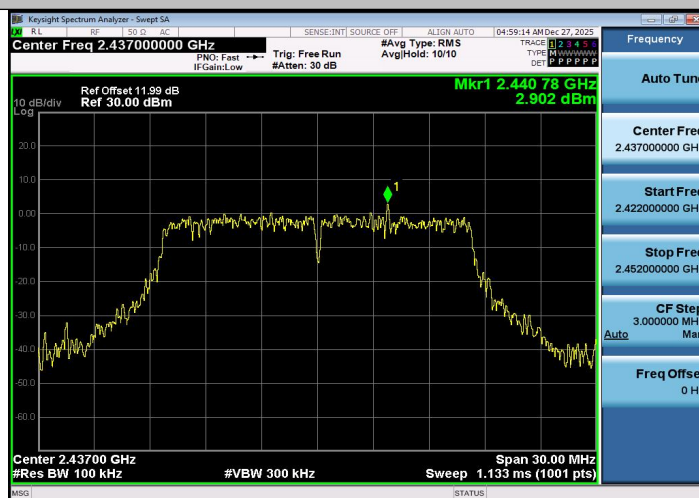
11G_Ant1_2412_1000~26500



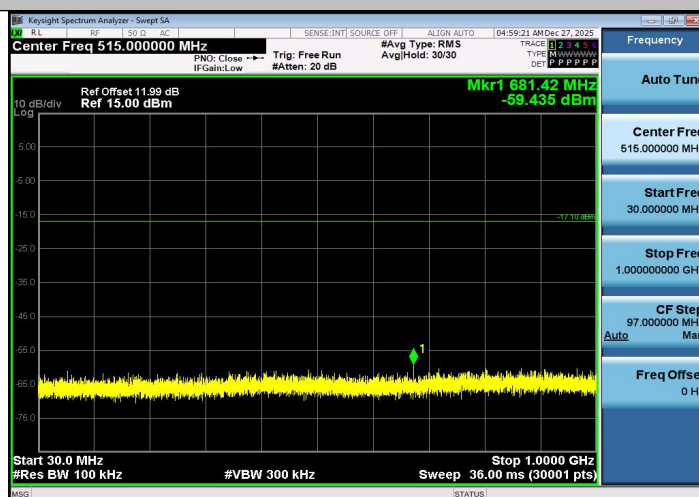


TEST REPORT N°: CRWJ-ESH-P25120941B-3

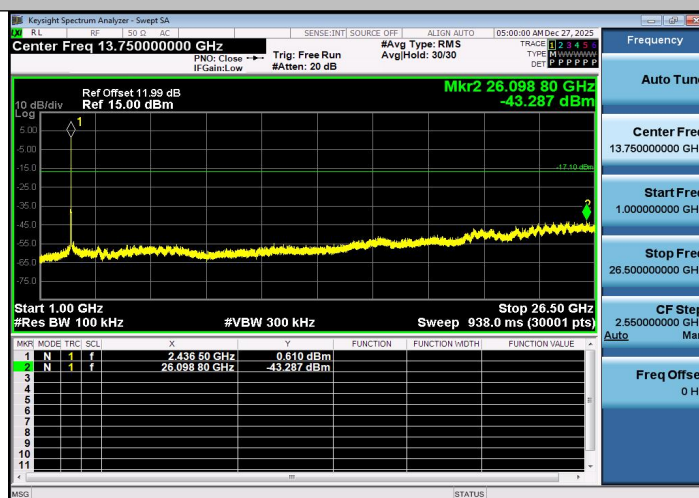
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



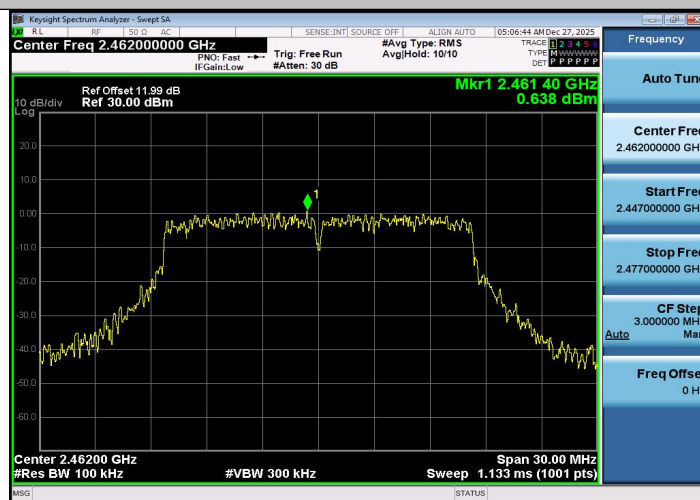
11G_Ant1_2437_1000~26500



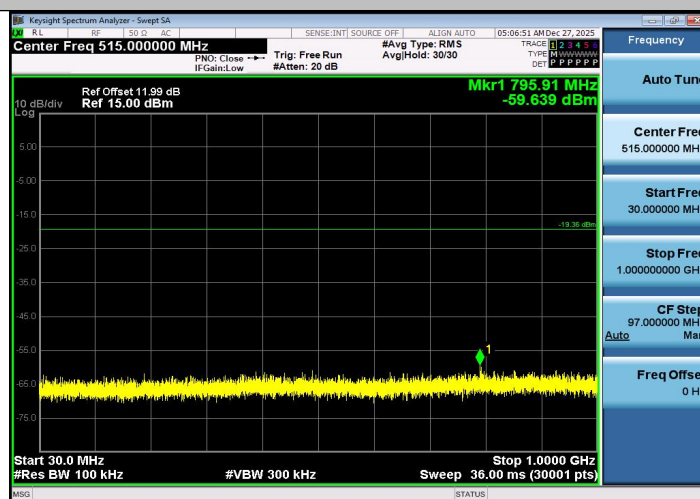


TEST REPORT N°: CRWJ-ESH-P25120941B-3

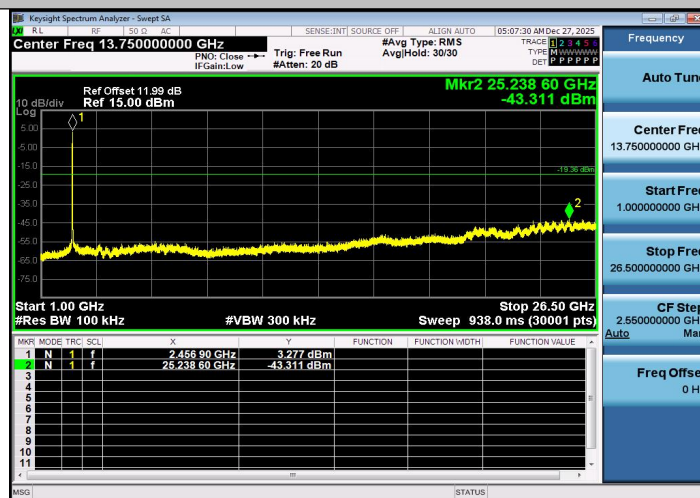
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



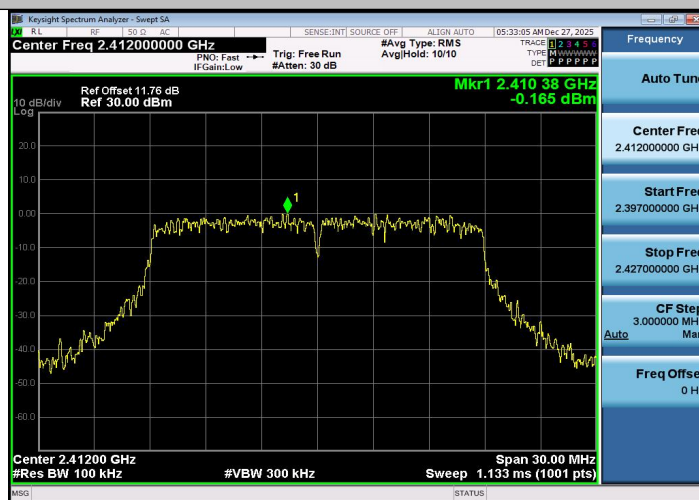
11G_Ant1_2462_1000~26500



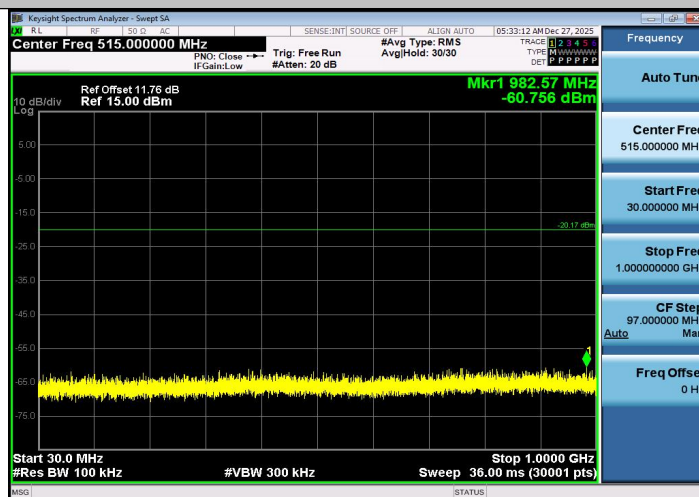


TEST REPORT N°: CRWJ-ESH-P25120941B-3

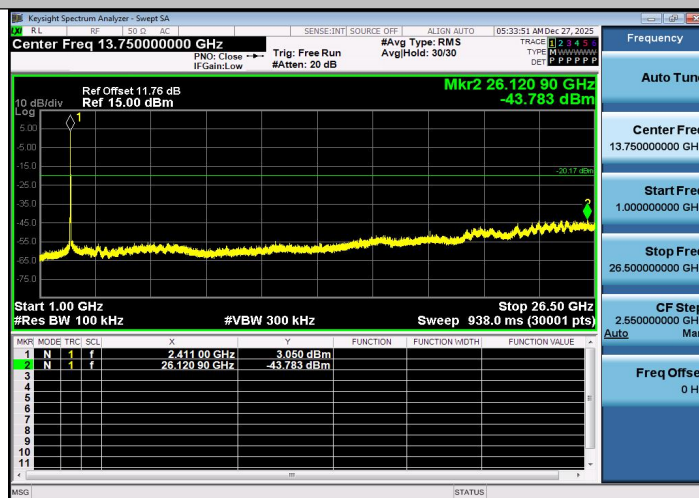
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



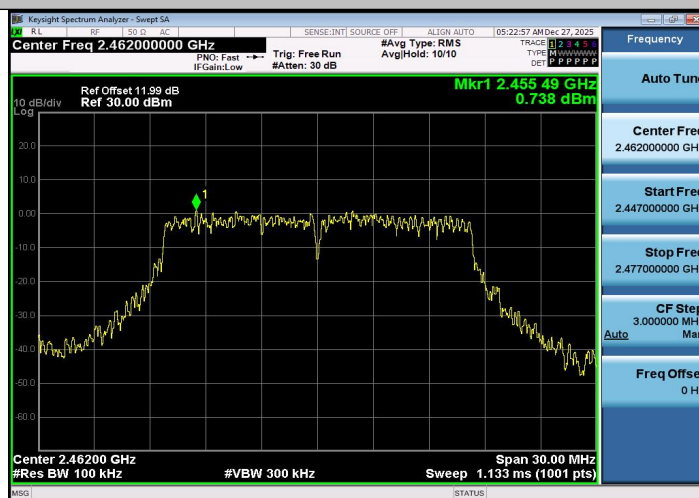
11N20SISO_Ant1_2412_1000~26500



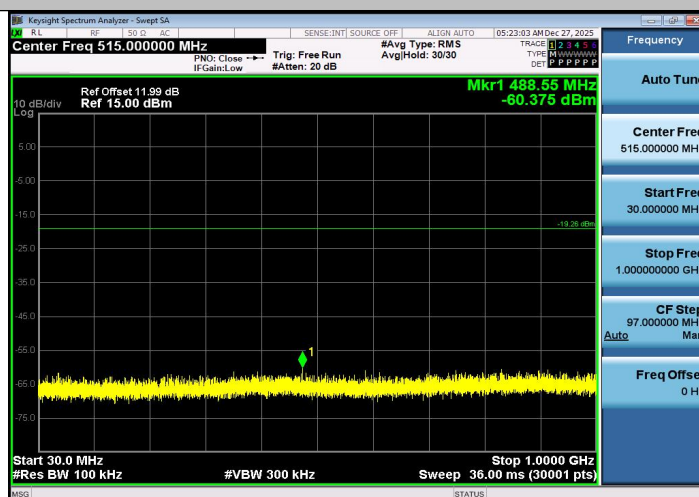


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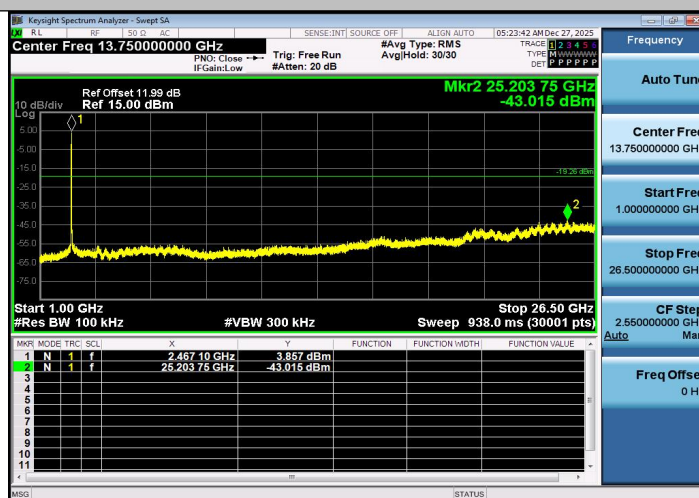
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11N20SISO_Ant1_2462_30~1000



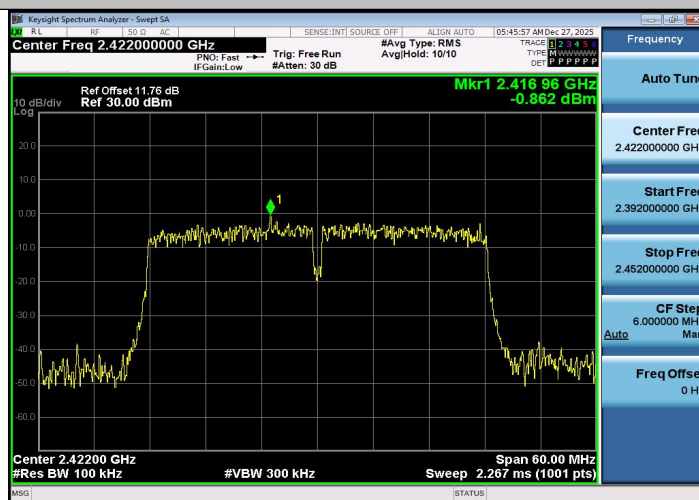
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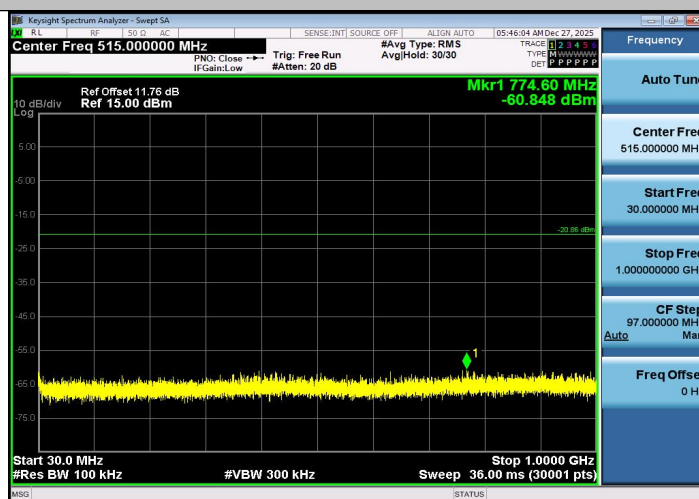


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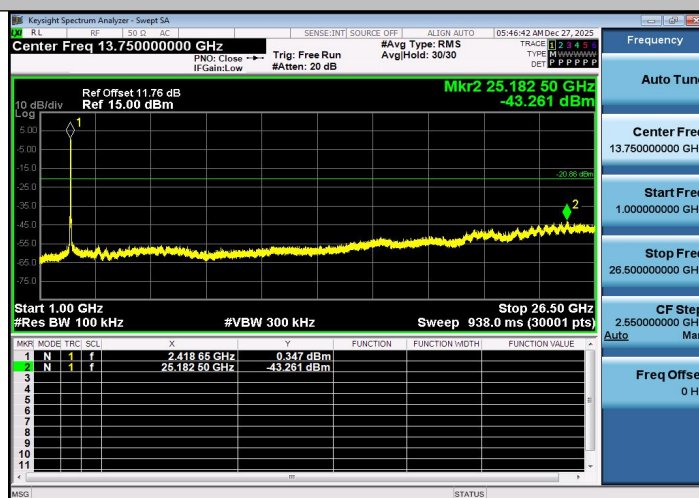
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11N40SISO_Ant1_2422_30~1000



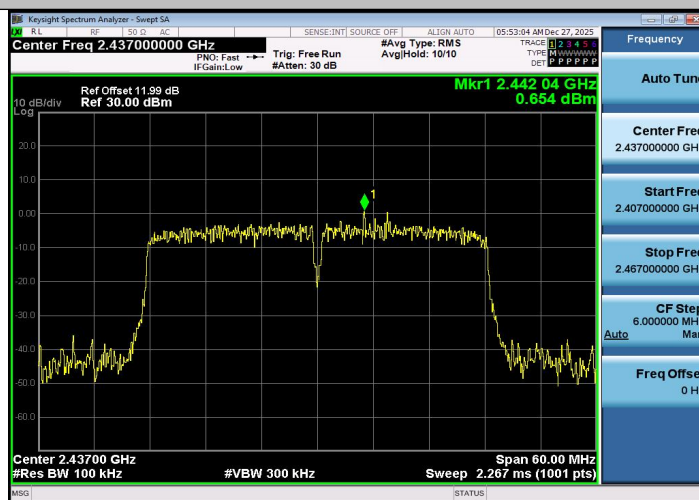
11N40SISO_Ant1_2422_1000~26500



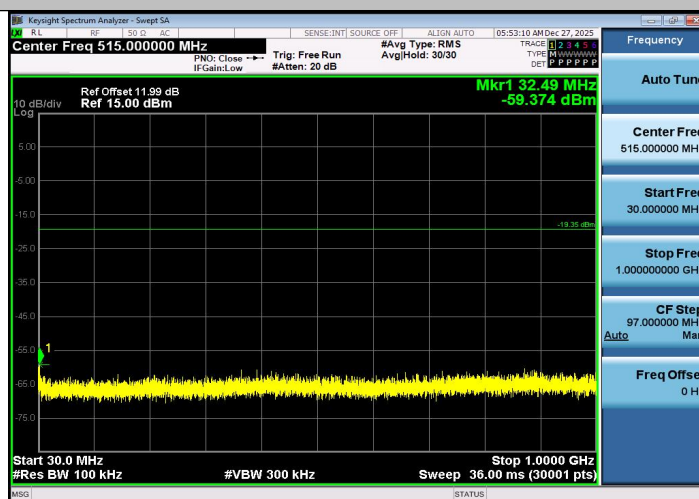


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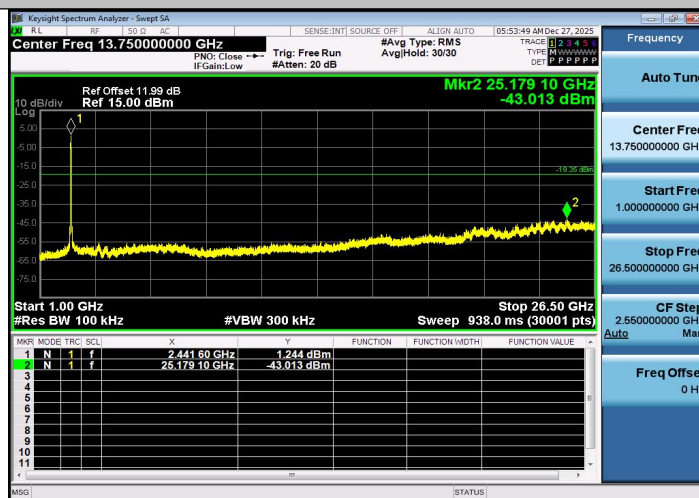
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11N40SISO_Ant1_2437_30~1000



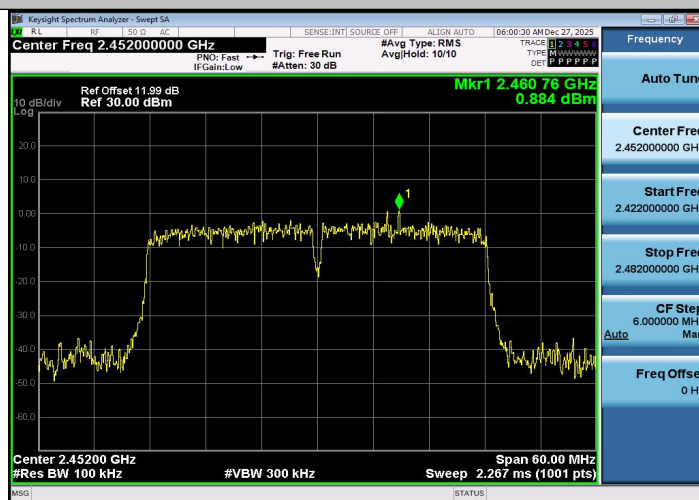
11N40SISO_Ant1_2437_1000~26500



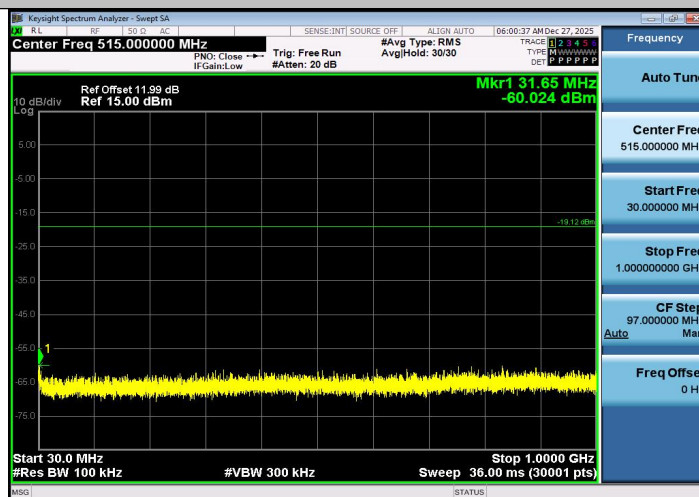


TEST REPORT N°: CRWJ-ESH-P25120941B-3

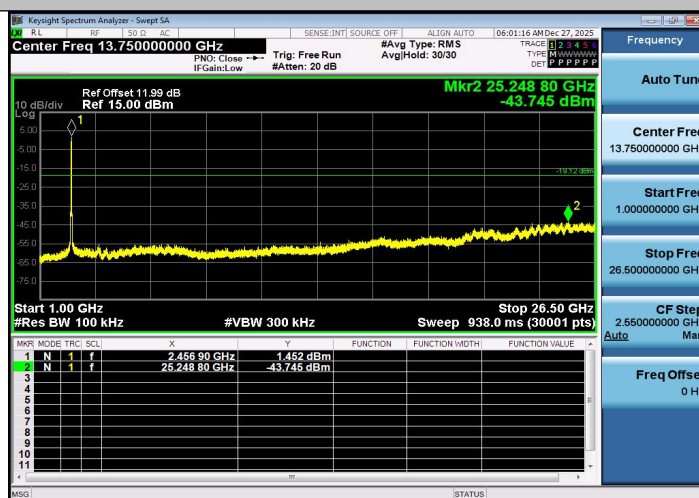
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500





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3.7 Emissions in restricted frequency bands

3.7.1 Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
0.495 - 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	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	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 - 156.525	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	--	--	--



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All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

3.7.2 Test Procedure Reference

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

3.7.3 Test Procedures

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = No faster than coupled (auto) time.
6. Trace mode = max hold
7. Trace was allowed to stabilize

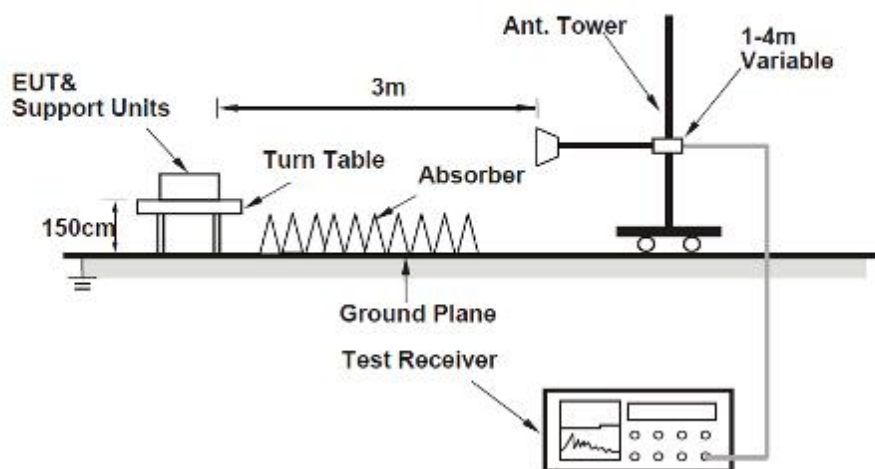
TEST REPORT N°: CRWJ-ESH-P25120941B-3

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq$ 3MHz
4. Detector = RMS (power averaging), Averaging Type= power (RMS)
5. Sweep time = No faster than coupled (auto) time.
6. Trace mode = max hold
7. Perform a trace average of at least 100 traces.
8. A correction factor $[10 \log (1 / D)]$ shall be added to the measurement results, where D is the duty cycle.

3.7.4 Test Setup

For Radiated emission above 1GHz

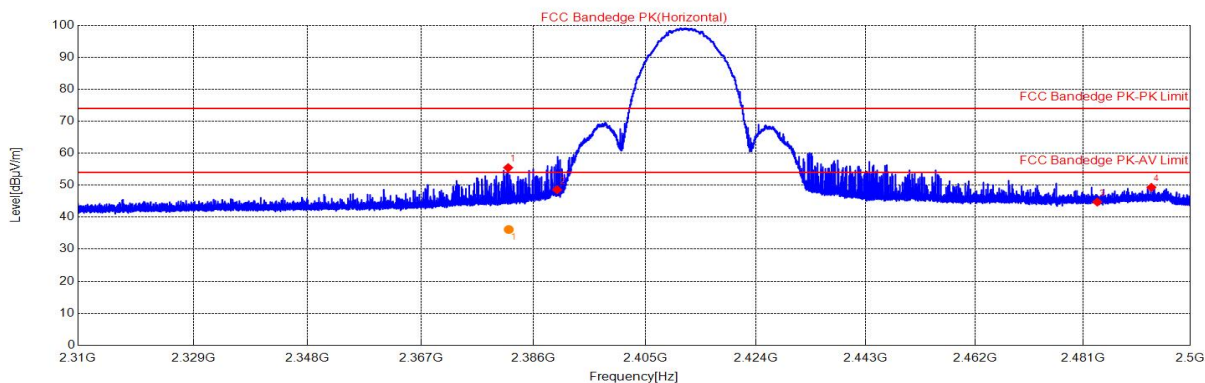




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3.7.5 Test Results

802.11b_2412_Ant1/ Horizontal



Suspected List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle [°]	Polarity
1	2381.70	65.84	-10.35	55.49	74.00	18.51	PK	155	0	Horizontal
2	2390.01	58.91	-10.32	48.59	74.00	25.41	PK	155	0	Horizontal
3	2483.51	55.35	-10.61	44.74	74.00	29.26	PK	155	343	Horizontal
4	2493.08	59.97	-10.63	49.34	74.00	24.66	PK	155	172	Horizontal

Final Data List

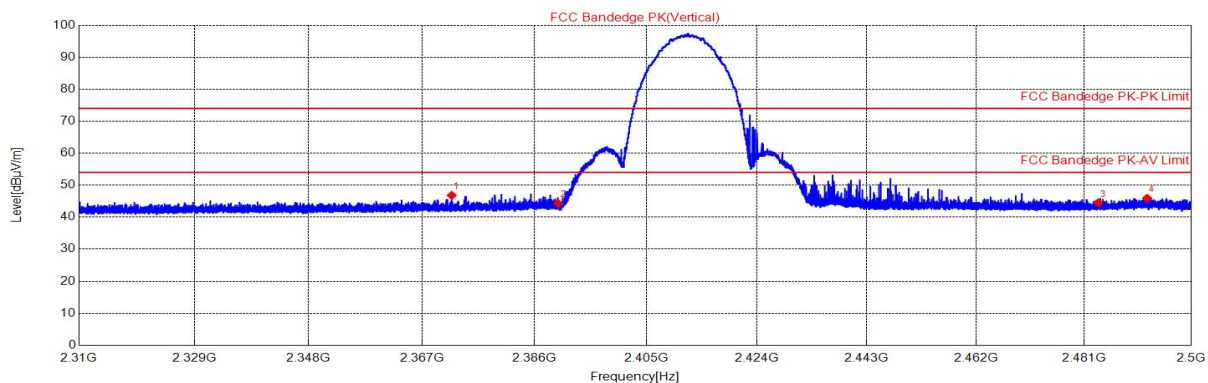
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Value [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle [°]	Polarity
1	2381.79	46.50	-10.35	36.15	74.00	37.85	PK	140.5	334.7	Horizontal

Remarks:

1. Margin = Limit - Final Value, Final Value = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain.
3. The Peak value is also below the average limit of 54 dBμV/m.

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802.11b_2412_Ant1/ Vertical



● PK Detector

Suspected List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle [°]	Polarity
1	2372.00	57.18	-10.35	46.83	74.00	27.17	PK	155	20	Vertical
2	2390.01	54.64	-10.32	44.32	74.00	29.68	PK	155	298	Vertical
3	2483.51	55.15	-10.61	44.54	74.00	29.46	PK	155	0	Vertical
4	2492.14	56.56	-10.63	45.93	74.00	28.07	PK	155	304	Vertical

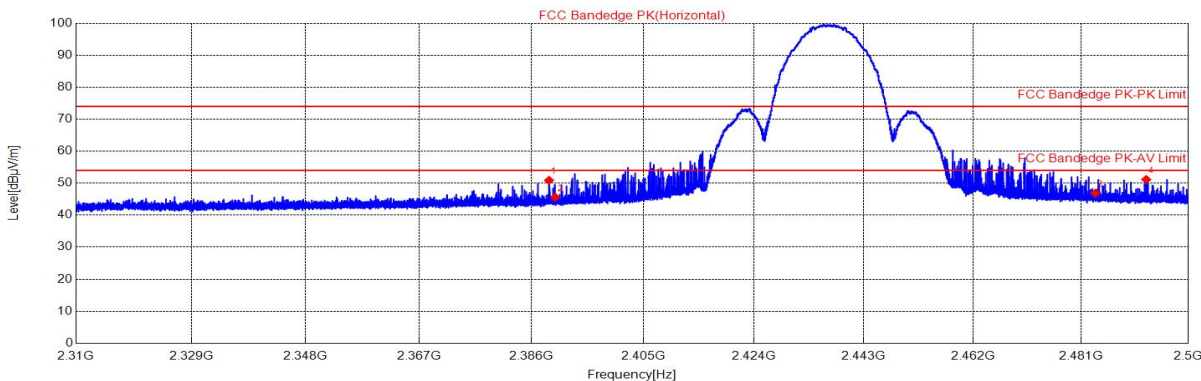
Remarks:

1. Margin = Limit - Final Value, Final Value = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain.
3. The Peak value is also below the average limit of 54 dBμV/m.



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802.11b_2437_Ant1/ Horizontal



● PK Detector

Suspected List

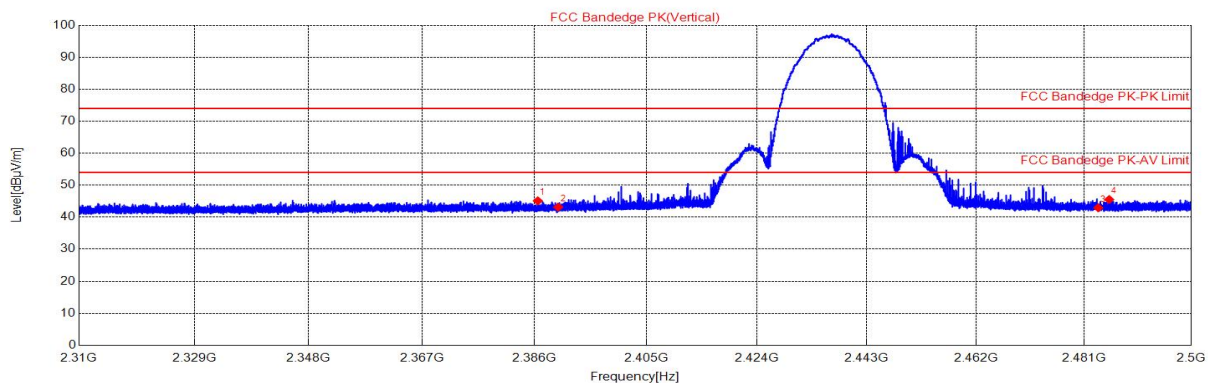
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle [°]	Polarity
1	2388.96	61.24	-10.33	50.91	74.00	23.09	PK	155	324	Horizontal
2	2390.01	55.95	-10.32	45.63	74.00	28.37	PK	155	324	Horizontal
3	2483.51	57.51	-10.61	46.90	74.00	27.10	PK	155	208	Horizontal
4	2492.52	61.80	-10.63	51.17	74.00	22.83	PK	155	0	Horizontal

Remarks:

- 1.Margin=Limit-Final Value, Final Value=Reading + Factor.
- 2.Factor=Antenna Factor + Cable Loss-Preamp Gain.
- 3.The Peak value is also below the average limit of 54 dBμV/m.

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802.11b_2437_Ant1/ Vertical



Suspected List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle [°]	Polarity
1	2386.55	55.45	-10.33	45.12	74.00	28.88	PK	155	246	Vertical
2	2390.01	53.48	-10.32	43.16	74.00	30.84	PK	155	24	Vertical
3	2483.51	53.54	-10.61	42.93	74.00	31.07	PK	155	253	Vertical
4	2485.44	56.14	-10.61	45.53	74.00	28.47	PK	155	291	Vertical

Remarks:

1. Margin = Limit - Final Value, Final Value = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain.
3. The Peak value is also below the average limit of 54 dBμV/m.