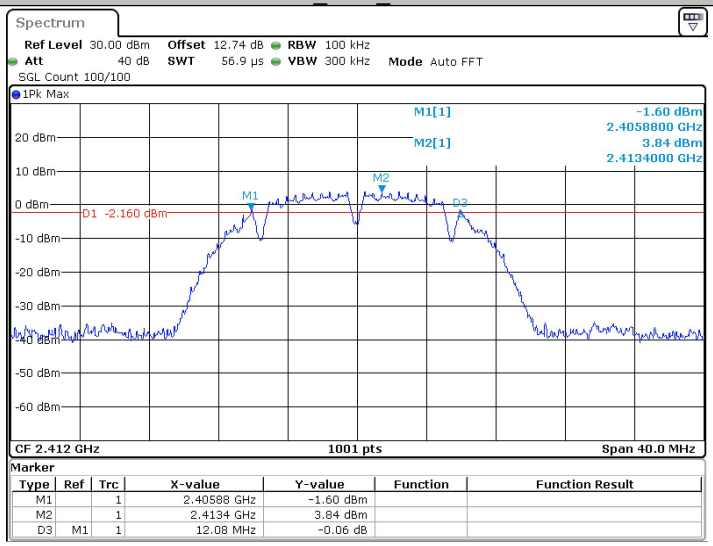
Test Result

TestMode	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	2412	12.08	2405.88	2417.96	0.5	PASS
	2437	11.08	2430.88	2441.96	0.5	PASS
	2462	11.04	2455.92	2466.96	0.5	PASS
11G	2412	16.40	2403.80	2420.20	0.5	PASS
	2437	16.32	2428.84	2445.16	0.5	PASS
	2462	16.36	2453.84	2470.20	0.5	PASS
11N20SISO	2412	17.60	2403.20	2420.80	0.5	PASS
	2437	17.60	2428.20	2445.80	0.5	PASS
	2462	17.68	2453.20	2470.88	0.5	PASS
11N40SISO	2422	35.92	2404.24	2440.16	0.5	PASS
	2437	35.68	2419.24	2454.92	0.5	PASS
	2452	36.32	2433.84	2470.16	0.5	PASS

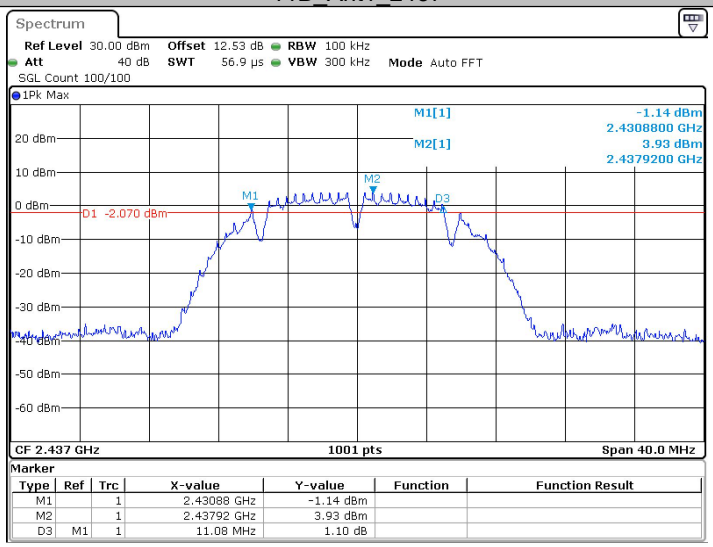
Test Graphs

11B_Ant1_2412



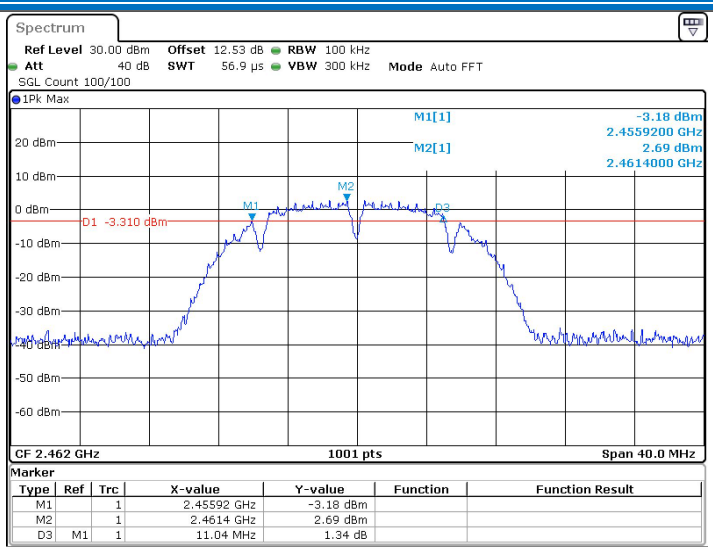
Date: 21.MAR.2025 10:12:56

11B_Ant1_2437



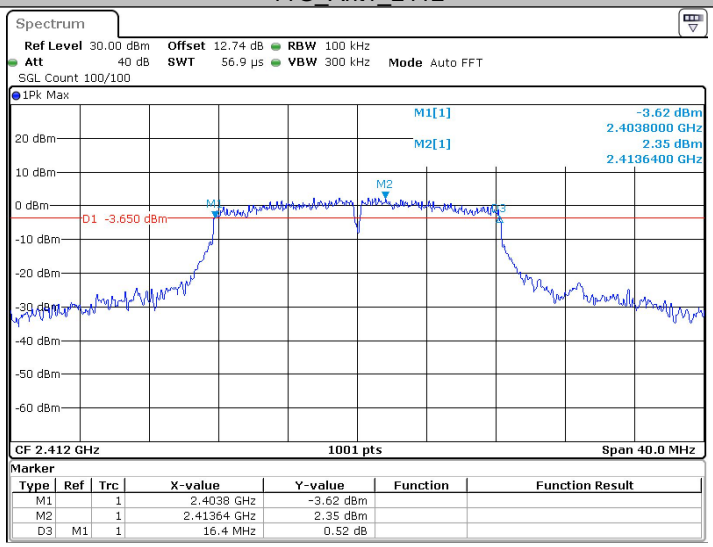
Date: 21.MAR.2025 10:14:13

11B_Ant1_2462



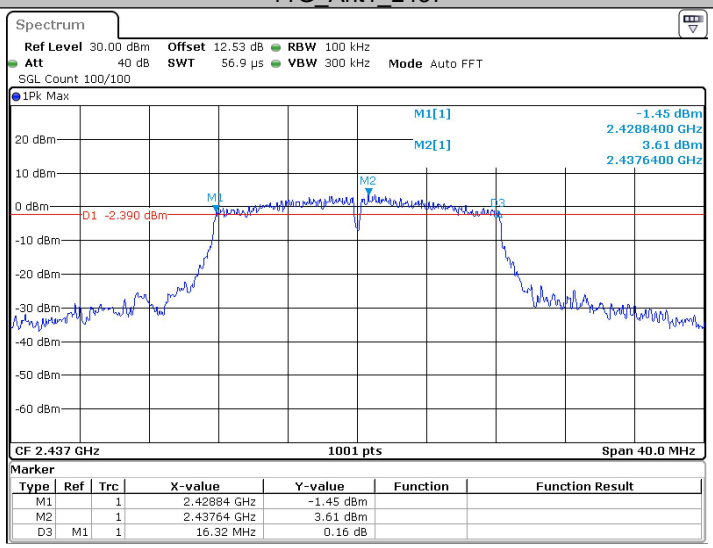
Date: 21.MAR.2025 10:15:31

11G_Ant1_2412



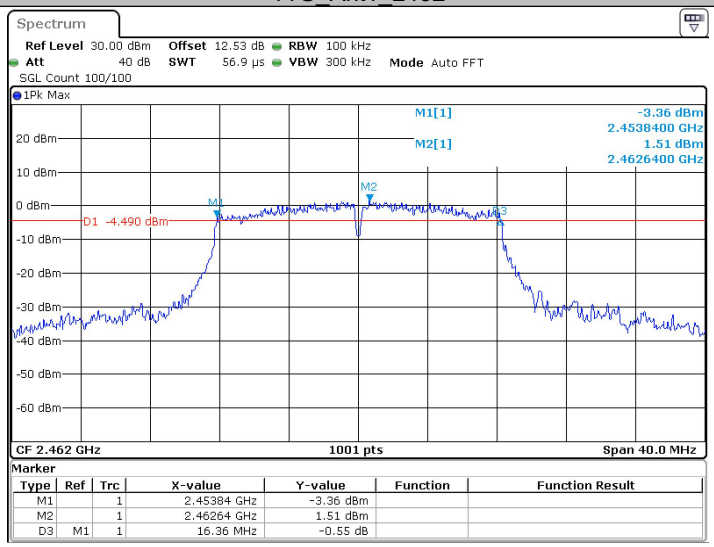
Date: 4.MAR.2025 11:22:00

11G_Ant1_2437



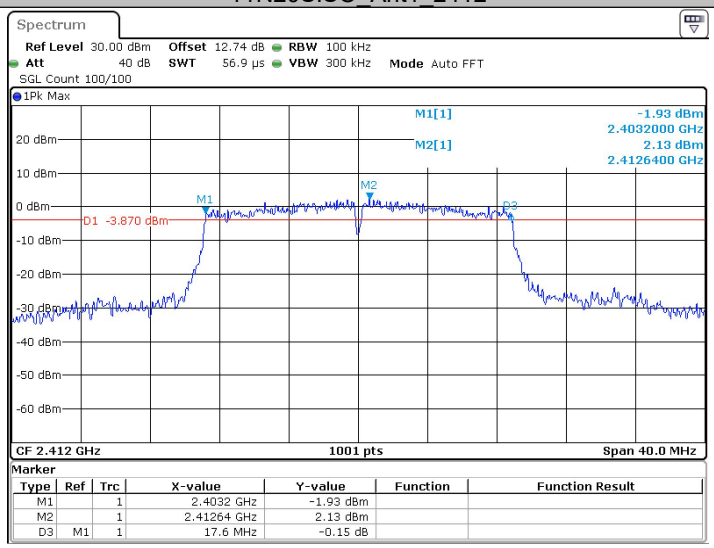
Date: 4.MAR.2025 11:24:34

11G_Ant1_2462



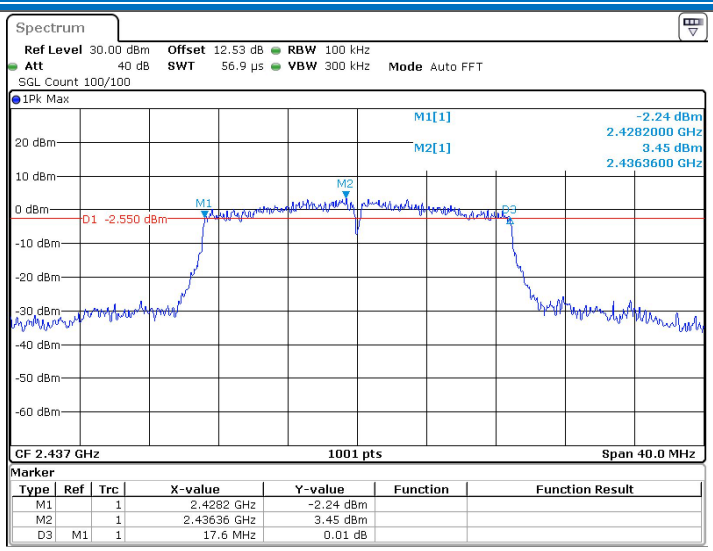
Date: 4.MAR.2025 11:26:03

11N20SISO_Ant1_2412



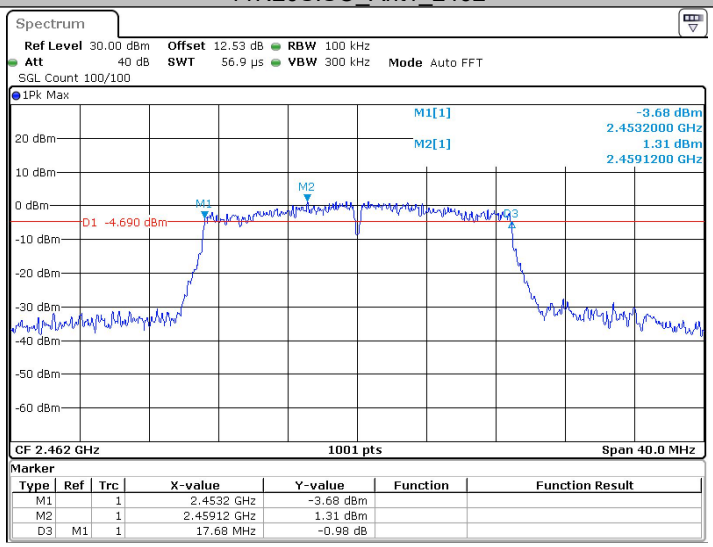
Date: 4.MAR.2025 11:28:27

11N20SISO_Ant1_2437



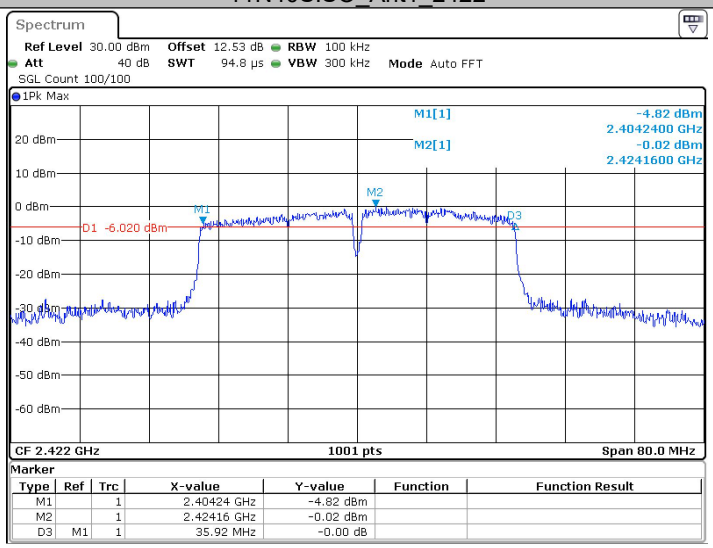
Date: 4.MAR.2025 11:32:30

11N20SISO_Ant1_2462



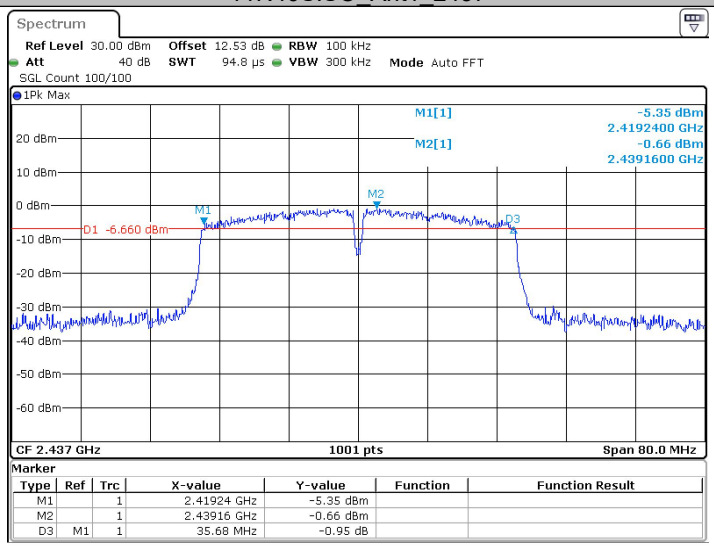
Date: 4.MAR.2025 11:34:18

11N40SISO_Ant1_2422



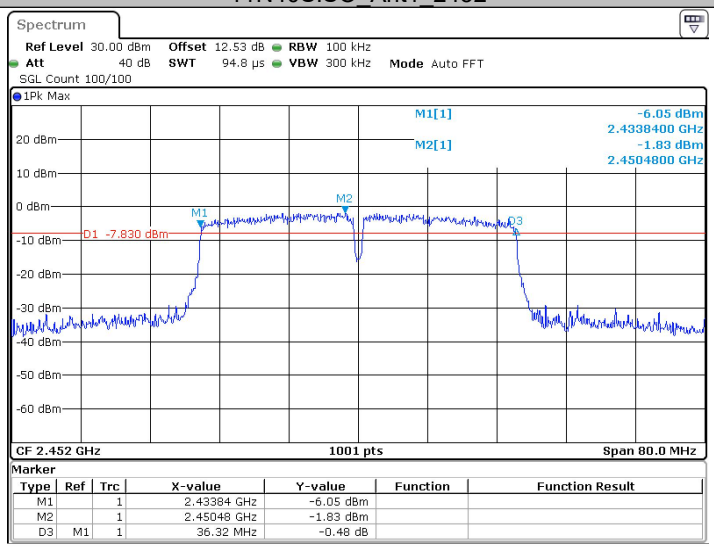
Date: 4.MAR.2025 11:36:20

11N40SISO_Ant1_2437



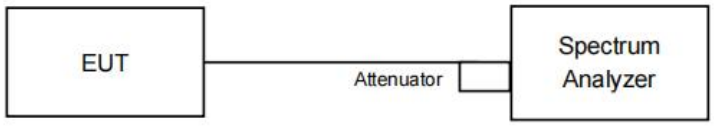
Date: 4.MAR.2025 11:42:03

11N40SISO_Ant1_2452



Date: 4.MAR.2025 11:43:29

5.6 Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.247 (e)
Test Method:	ANSI C63.10: 2013
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	≤8.00dBm/3kHz
Test Results:	Pass

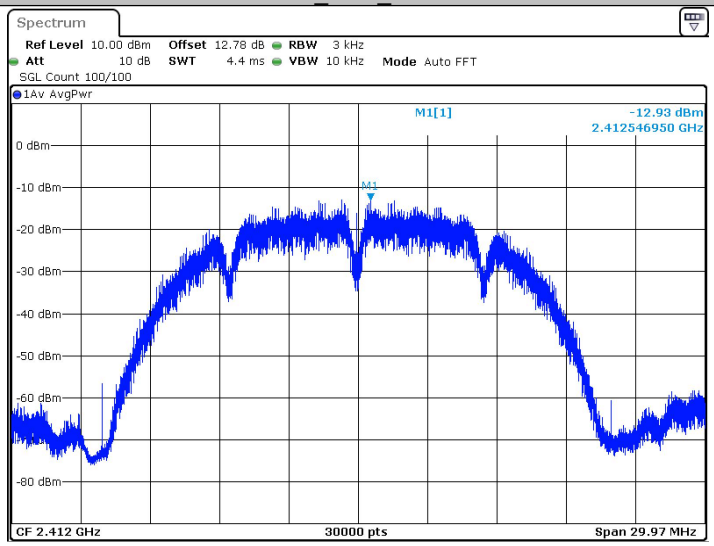
Test Result

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-12.93	≤8.00	PASS
	2437	-13.32	≤8.00	PASS
	2462	-15.34	≤8.00	PASS
11G	2412	-14.55	≤8.00	PASS
	2437	-13.90	≤8.00	PASS
	2462	-15.82	≤8.00	PASS
11N20SISO	2412	-16.25	≤8.00	PASS
	2437	-14.72	≤8.00	PASS
	2462	-16.67	≤8.00	PASS
11N40SISO	2422	-16.81	≤8.00	PASS
	2437	-17.87	≤8.00	PASS
	2452	-18.88	≤8.00	PASS

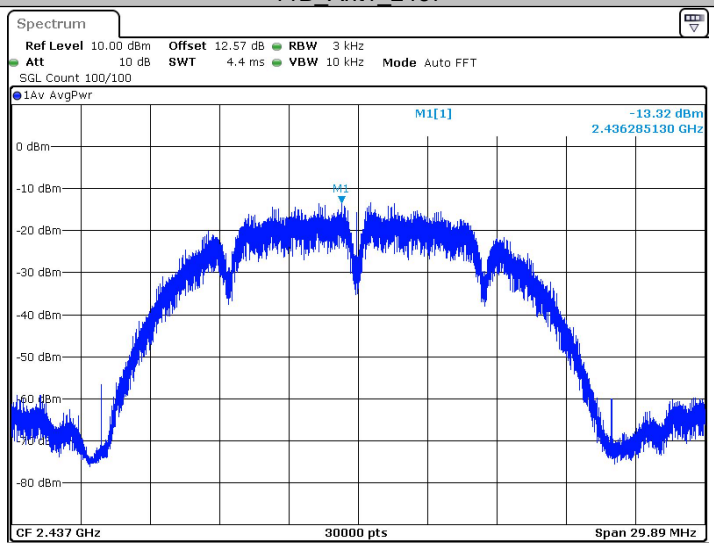
Note: Duty cycle correction factor details please see section 4.4.
When Duty cycle >98%, D.C.F is not required.

Test Graphs

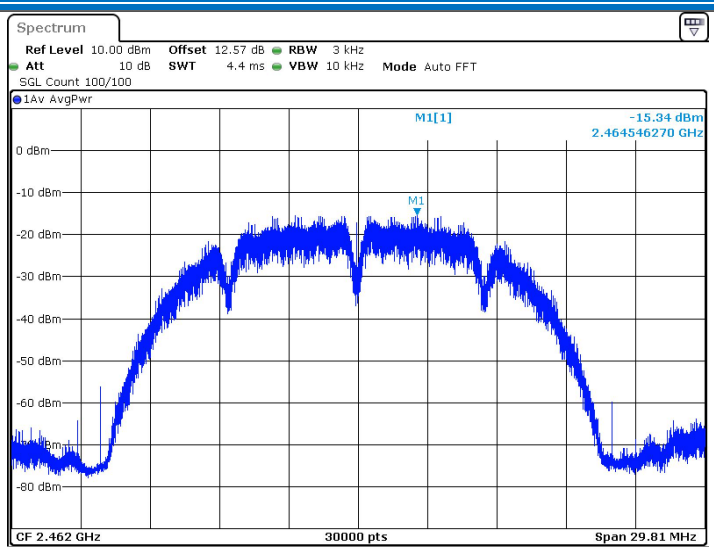
11B_Ant1_2412



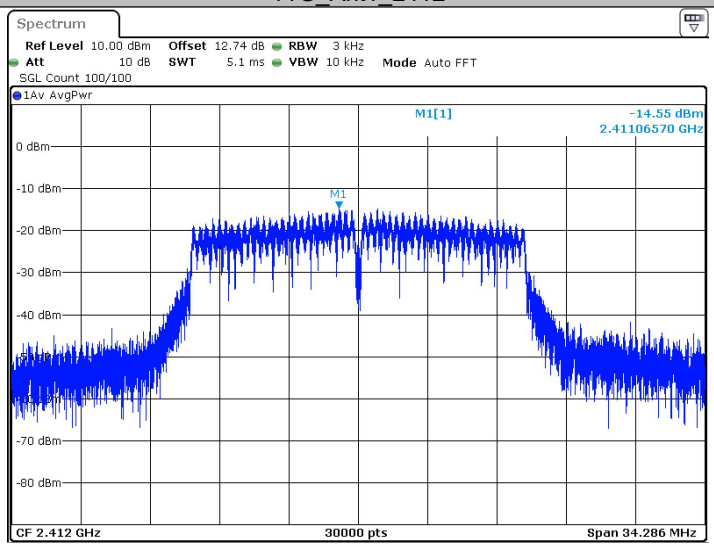
11B_Ant1_2437



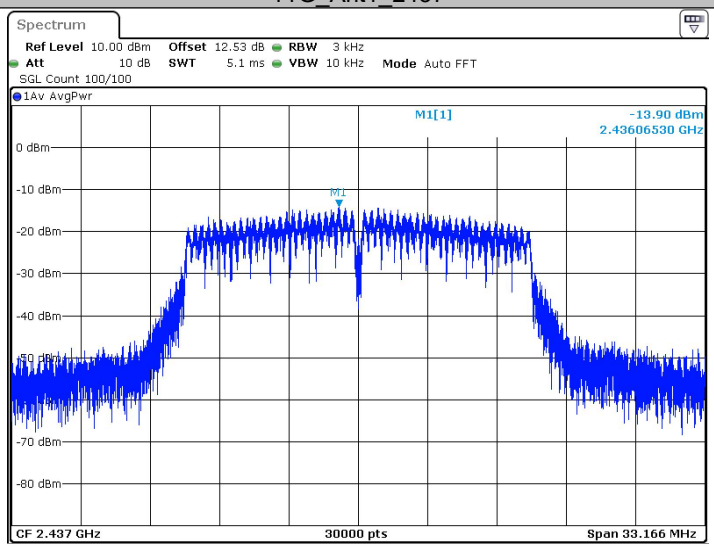
11B_Ant1_2462



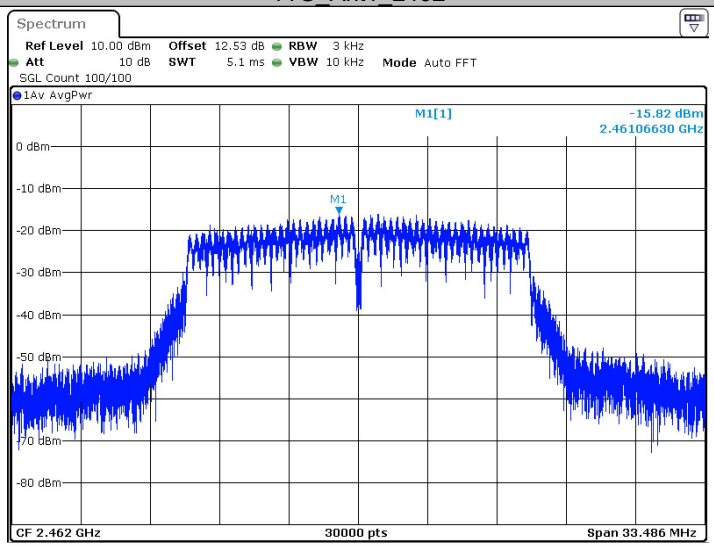
11G_Ant1_2412



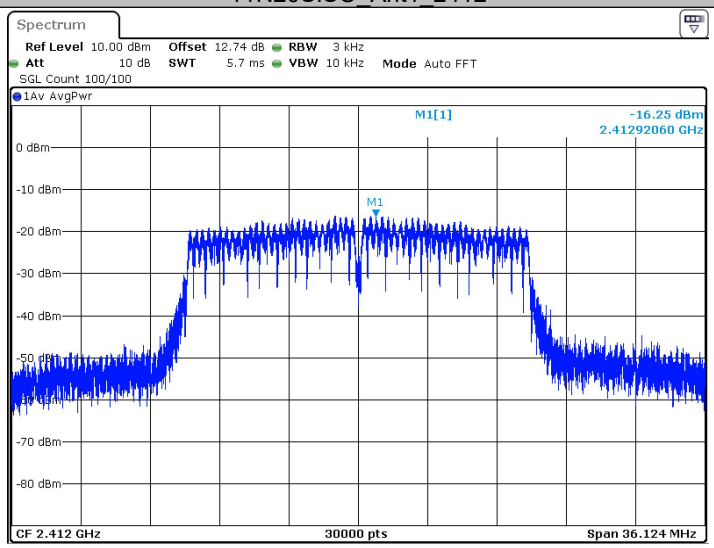
11G_Ant1_2437



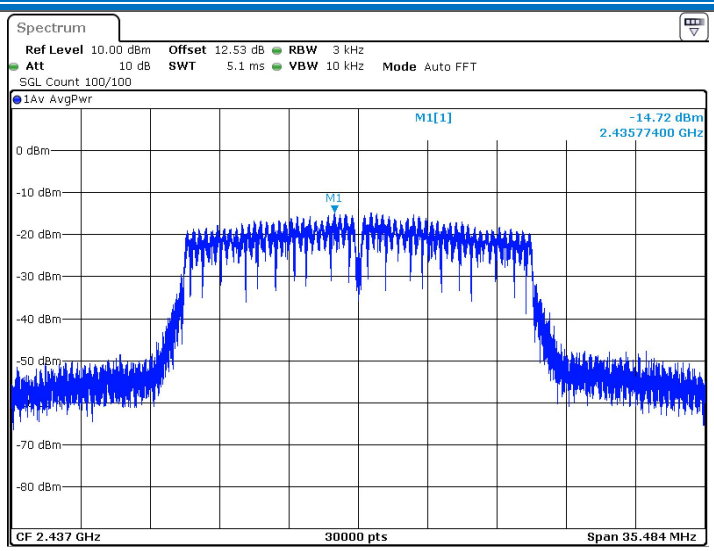
11G_Ant1_2462



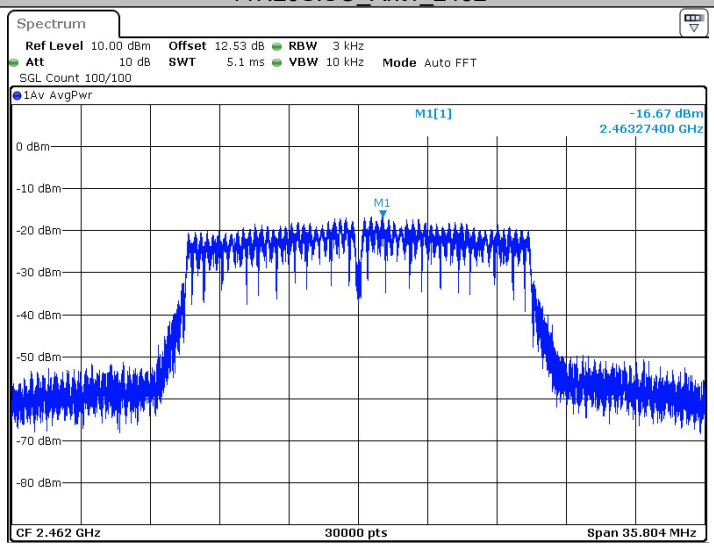
11N20SISO_Ant1_2412



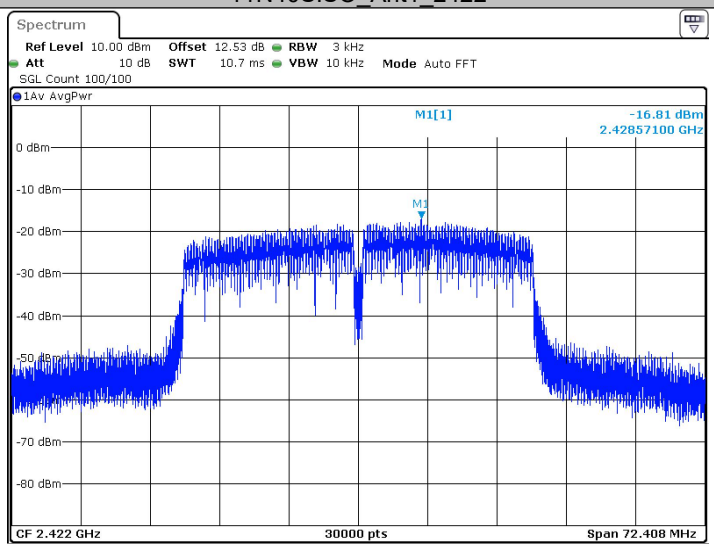
11N20SISO_Ant1_2437



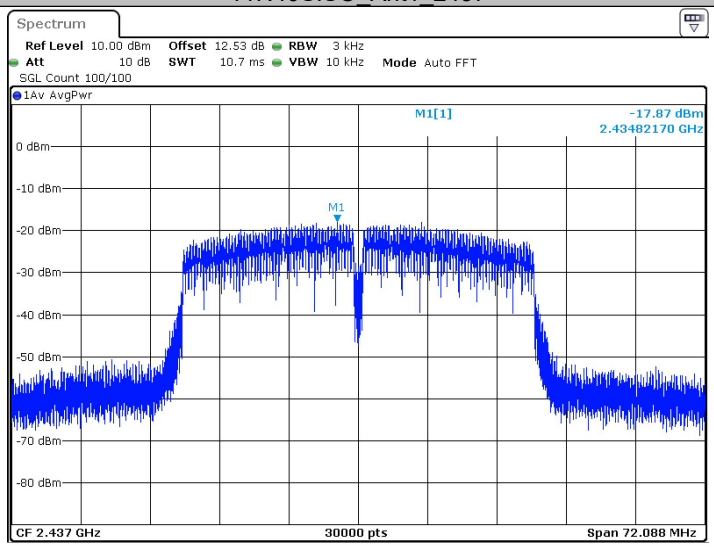
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422

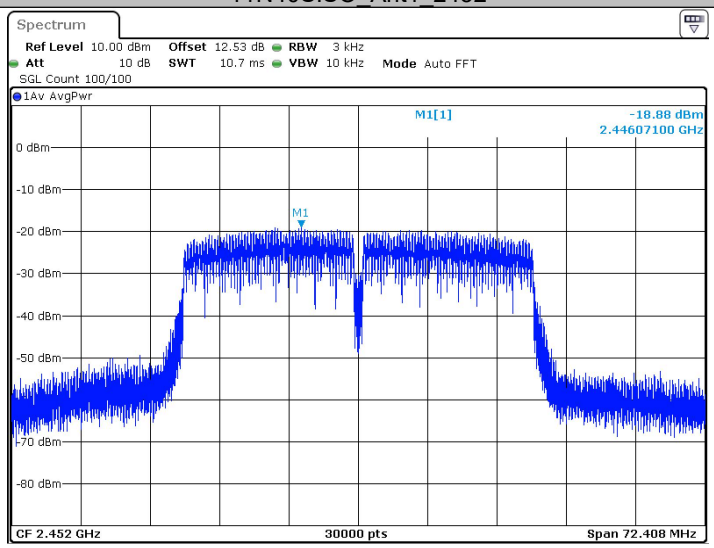


11N40SISO_Ant1_2437



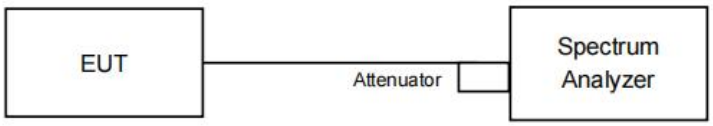
Date: 4.MAR.2025 11:42:23

11N40SISO_Ant1_2452



Date: 4.MAR.2025 11:43:51

5.7 Band-edge for RF Conducted Emissions

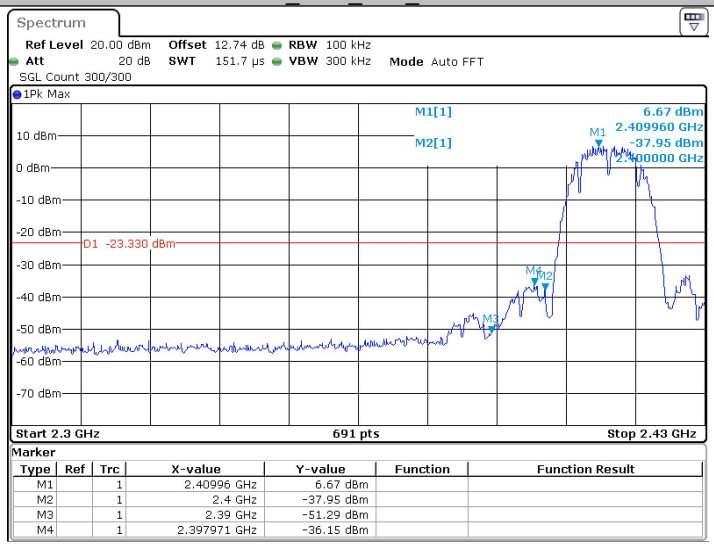
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test Results:	Pass

Test Result

TestMode	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Low	2412	6.67	-36.15	≤-23.33	PASS
	High	2462	4.99	-50.79	≤-25.01	PASS
11G	Low	2412	1.82	-43.35	≤-28.18	PASS
	High	2462	0.40	-51.84	≤-29.6	PASS
11N20SISO	Low	2412	2.77	-43.34	≤-27.23	PASS
	High	2462	0.86	-52.27	≤-29.14	PASS
11N40SISO	Low	2422	-1.87	-44.32	≤-31.87	PASS
	High	2452	-3.02	-51.38	≤-33.02	PASS

5.7.1 Test Graphs

11B_Ant1_Low_2412

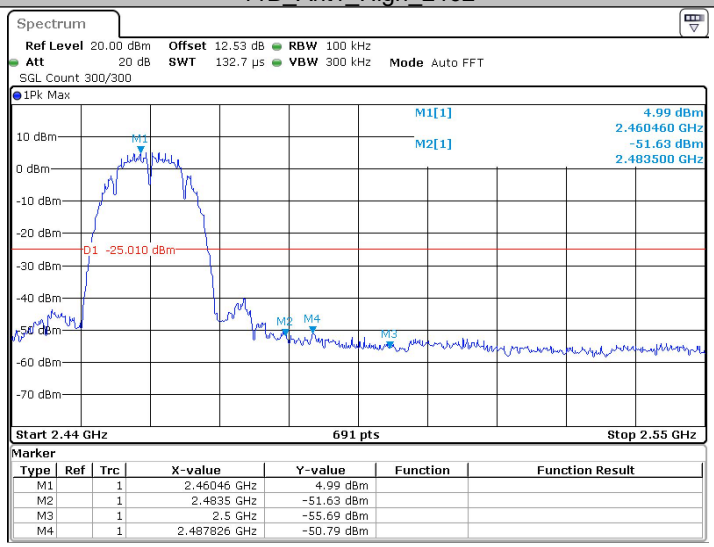


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40996 GHz	6.67 dBm		
M2		1	2.4 GHz	-37.95 dBm		
M3		1	2.39 GHz	-51.29 dBm		
M4		1	2.397971 GHz	-36.15 dBm		

Date: 22.MAR.2025 21:04:49

11B_Ant1_High_2462



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46046 GHz	4.99 dBm		
M2		1	2.4835 GHz	-51.63 dBm		
M3		1	2.5 GHz	-55.69 dBm		
M4		1	2.487826 GHz	-50.79 dBm		

Date: 22.MAR.2025 21:05:57

11G_Ant1_Low_2412