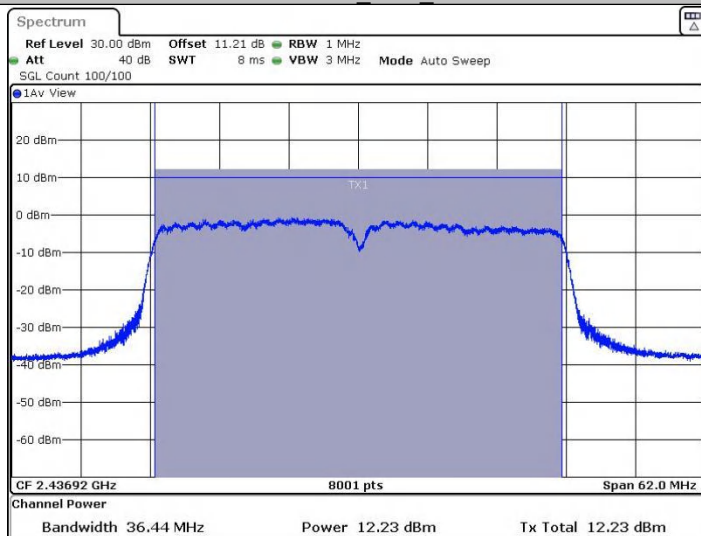
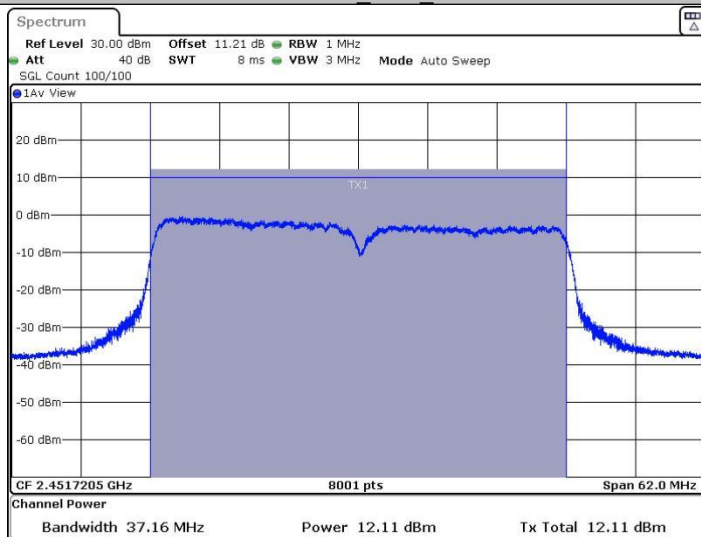


11N40SISO_Ant1_2437



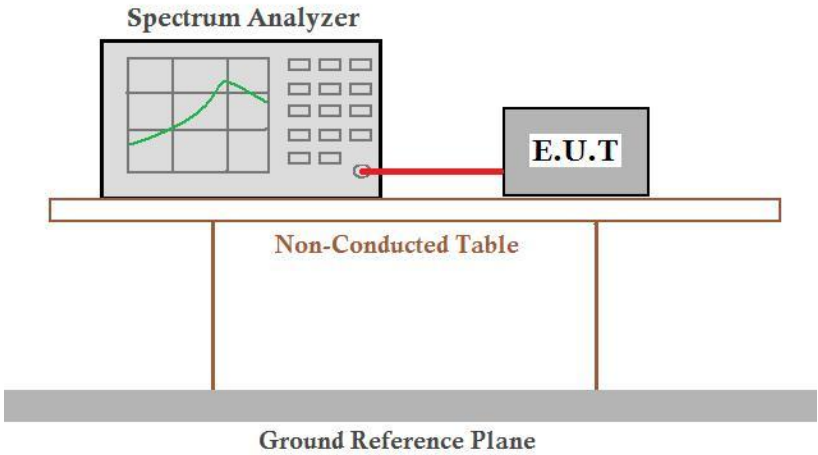
Date: 23.FEB.2022 01:12:42

11N40SISO_Ant1_2452



Date: 23.FEB.2022 01:14:26

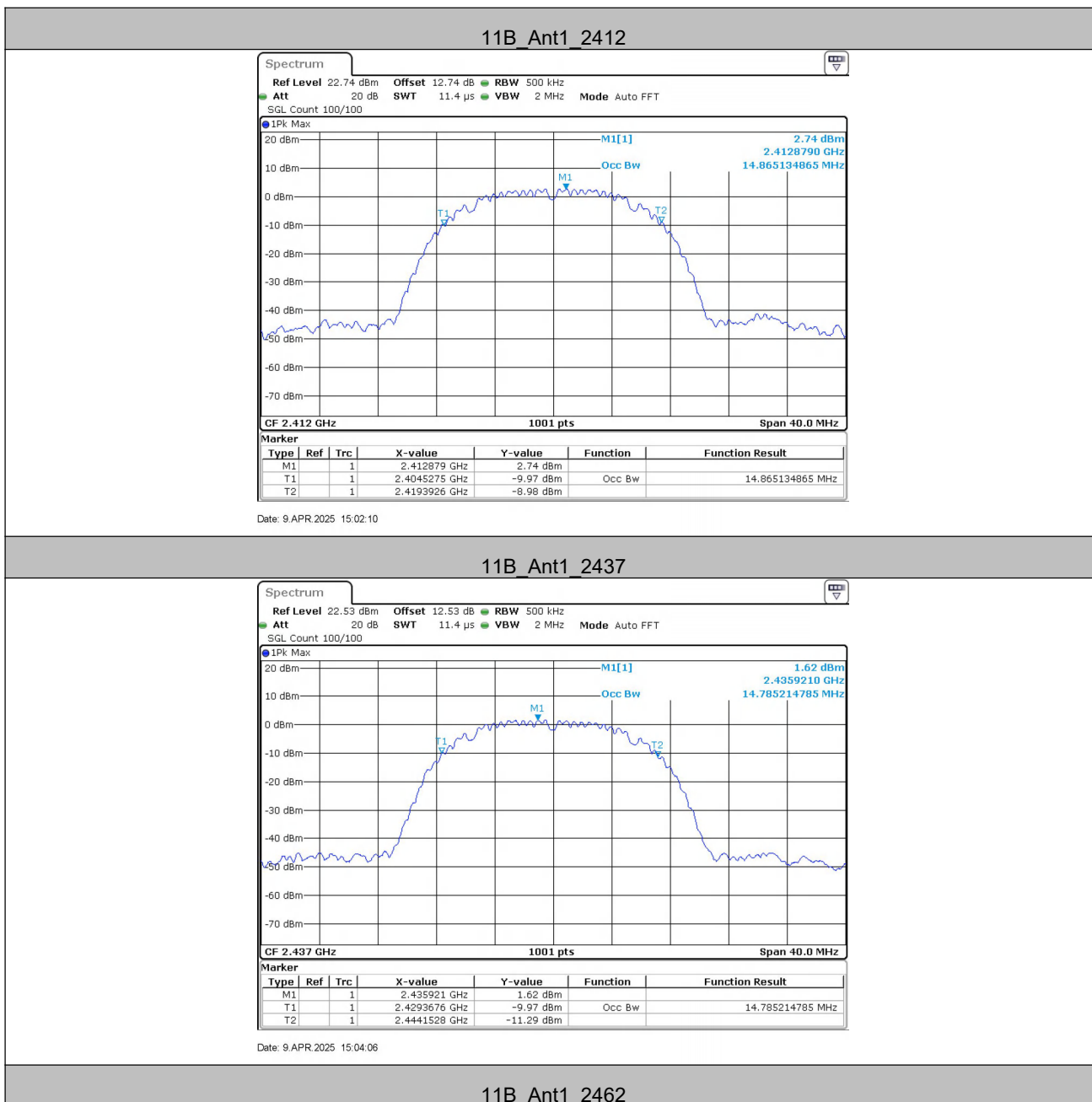
5.4 99% Occupied Bandwidth

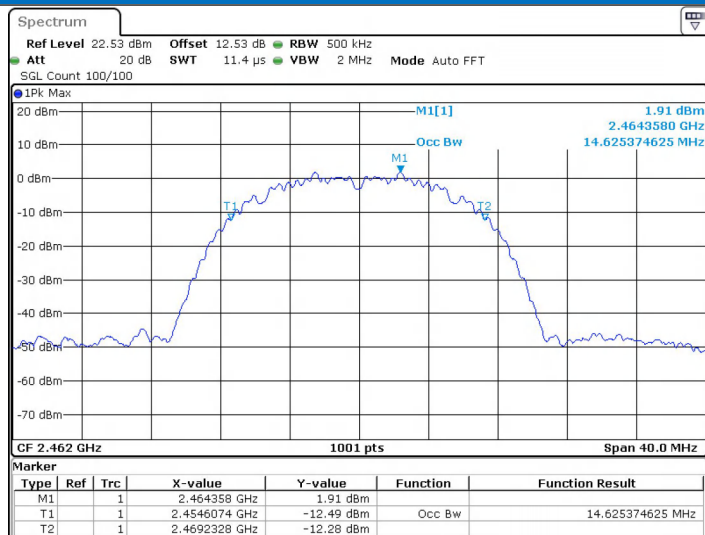
Test Requirement:	47 CFR Part 15C
Test Method:	ANSI C63.10: 2013
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Test Results:	Pass

Test Result

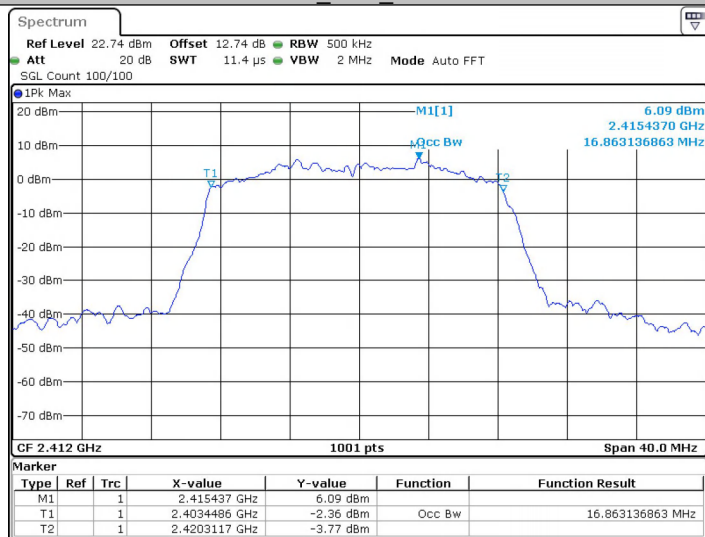
TestMode	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	2412	14.865	2404.5275	2419.3926
	2437	14.785	2429.3676	2444.1528
	2462	14.625	2454.6074	2469.2328
11G	2412	16.863	2403.4486	2420.3117
	2437	16.903	2428.4885	2445.3916
	2462	17.023	2453.4086	2470.4316
11N20SISO	2412	17.862	2403.0090	2420.8711
	2437	17.263	2428.1688	2445.4316
	2462	17.902	2453.1289	2471.0310
11N40SISO	2422	35.005	2404.4176	2439.4226
	2437	35.405	2419.0979	2454.5025
	2452	35.564	2433.9381	2469.5025

Test Graphs

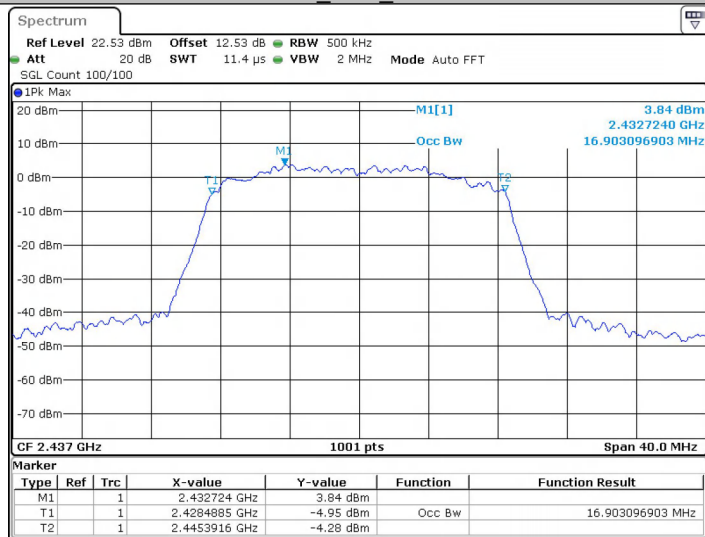




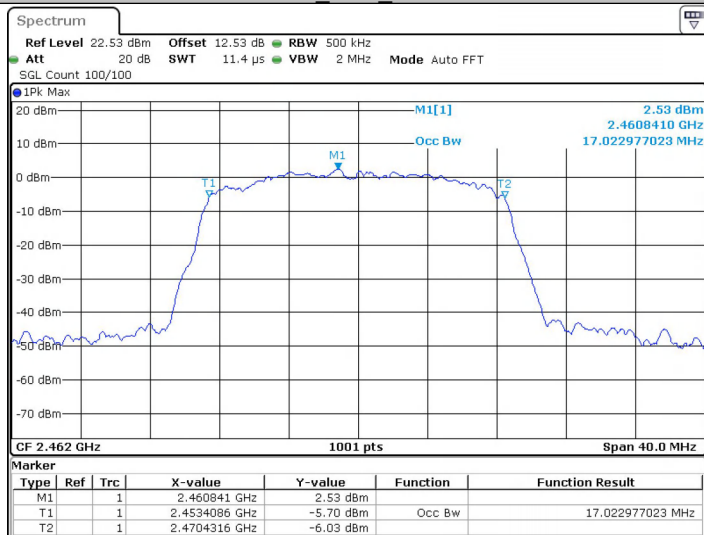
11G_Ant1_2412



11G_Ant1_2437

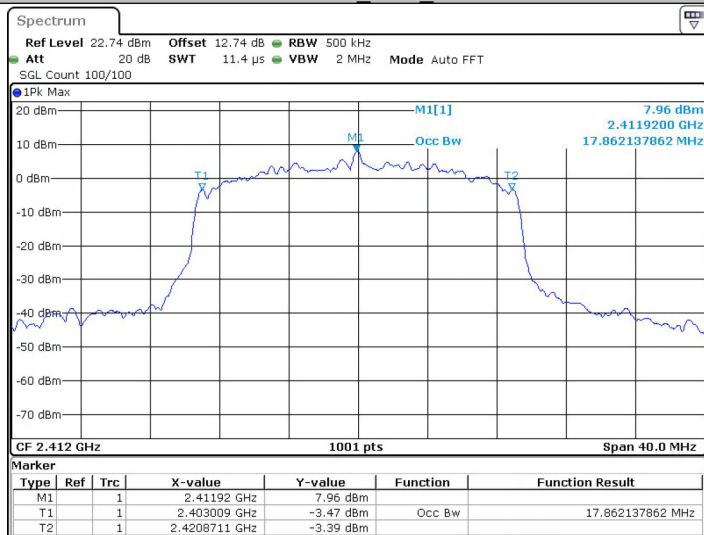


11G_Ant1_2462



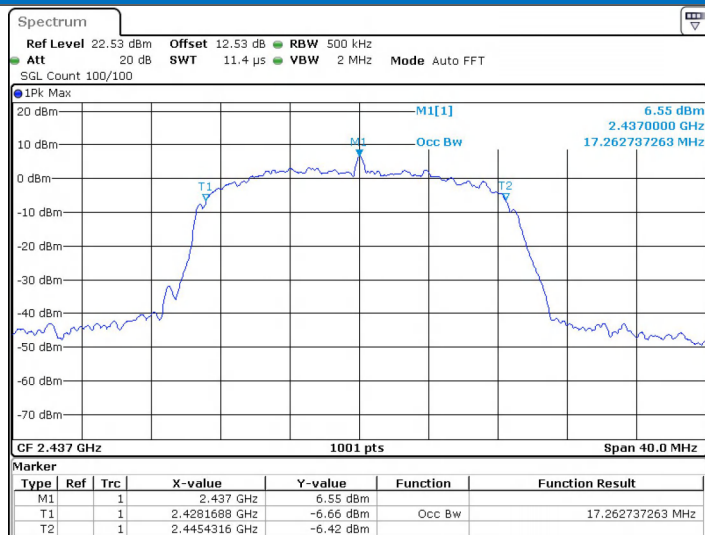
Date: 9 APR 2025 15:14:57

11N20SISO_Ant1_2412



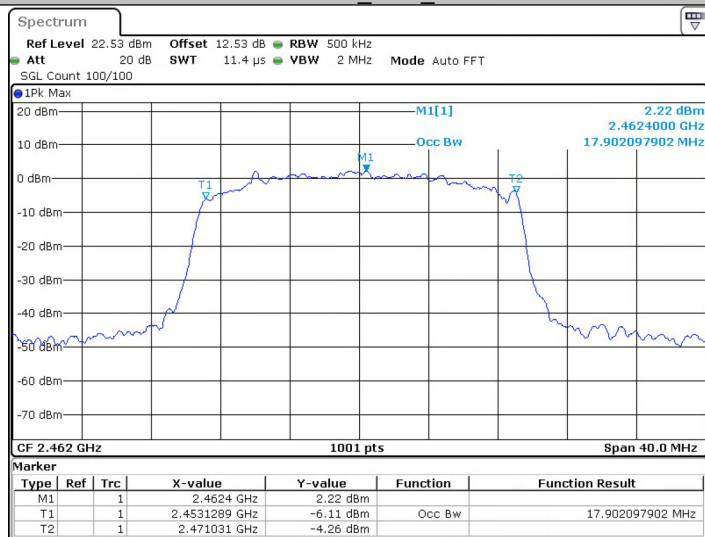
Date: 9 APR 2025 15:19:24

11N20SISO_Ant1_2437



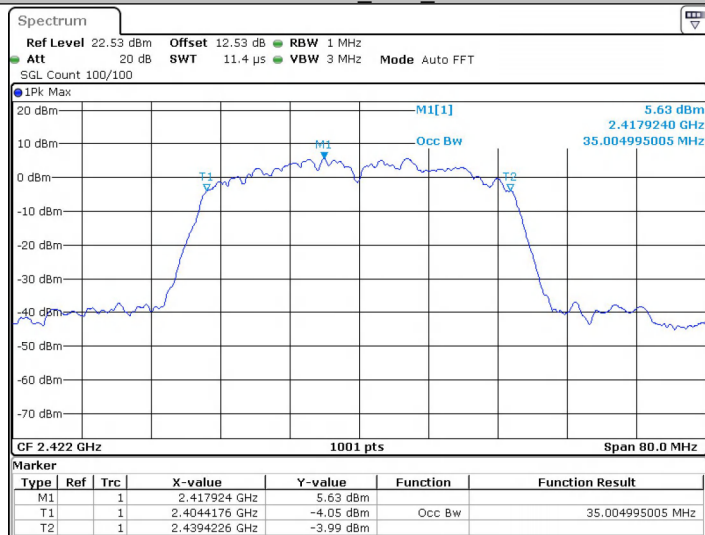
Date: 9 APR 2025 15:22:05

11N20SISO_Ant1_2462



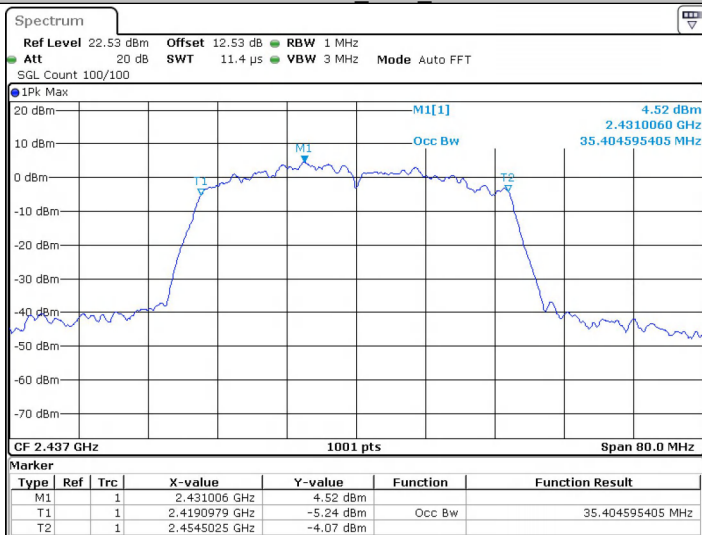
Date: 9 APR 2025 15:23:21

11N40SISO_Ant1_2422



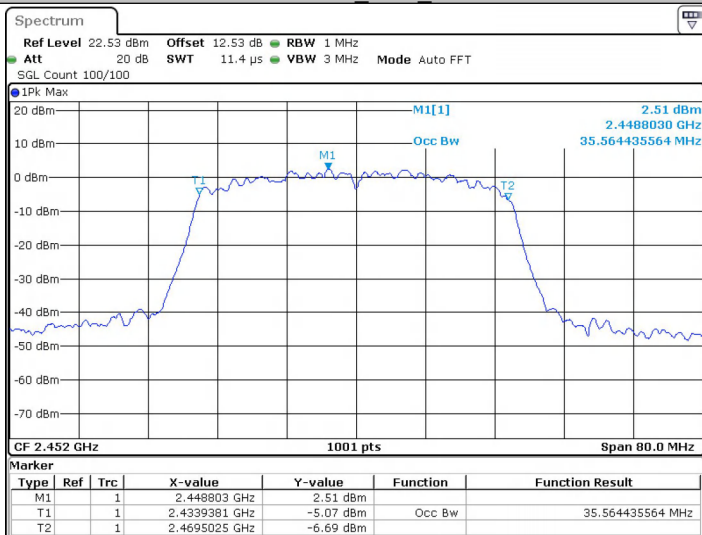
Date: 9 APR 2025 15:27:45

11N40SISO_Ant1_2437



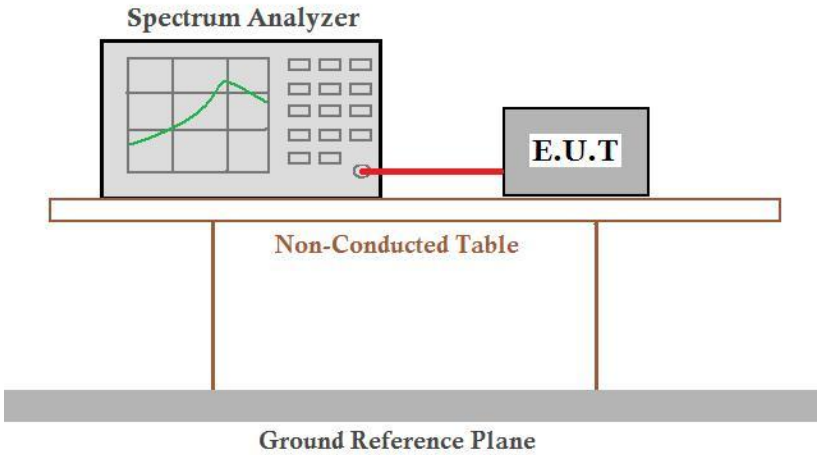
Date: 9 APR 2025 15:29:11

11N40SISO_Ant1_2452



Date: 9 APR 2025 15:30:18

5.5 6dB Occupied Bandwidth

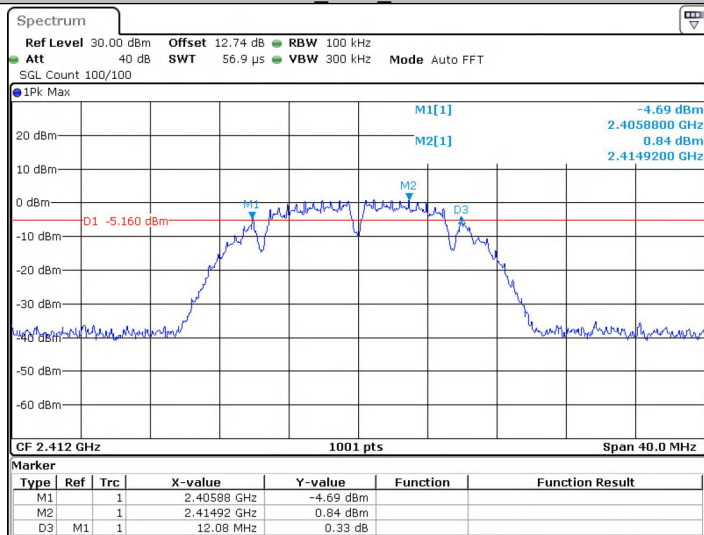
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10: 2013
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	≥ 500 kHz
Test Results:	Pass

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	12.04	2455.88	2467.92	0.5	PASS
11G	2412	15.08	2404.36	2419.44	0.5	PASS
	2437	13.48	2429.76	2443.24	0.5	PASS
	2462	15.04	2454.36	2469.40	0.5	PASS
11N20SISO	2412	12.64	2405.60	2418.24	0.5	PASS
	2437	13.80	2429.36	2443.16	0.5	PASS
	2462	15.12	2454.36	2469.48	0.5	PASS
11N40SISO	2422	27.60	2406.88	2434.48	0.5	PASS
	2437	30.64	2419.48	2450.12	0.5	PASS
	2452	32.56	2434.40	2466.96	0.5	PASS

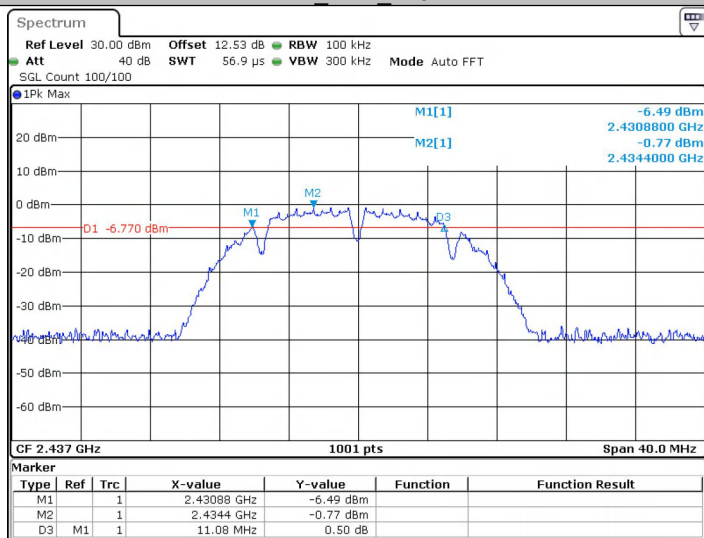
Test Graphs

11B_Ant1_2412



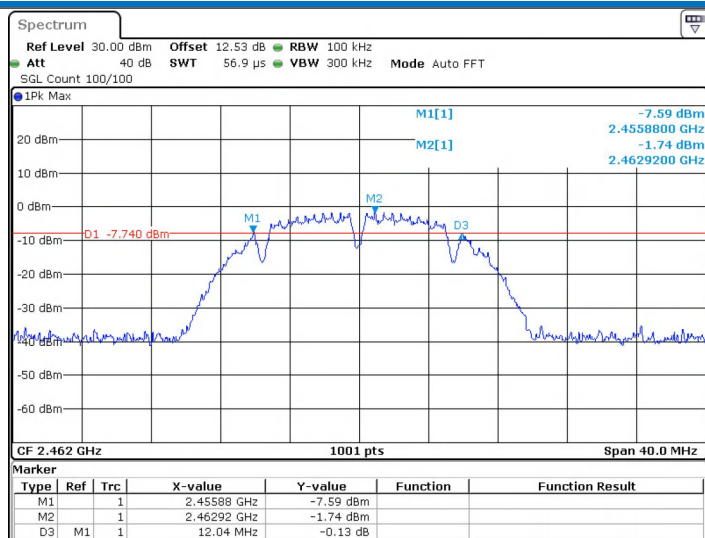
Date: 9 APR 2025 15:02:05

11B_Ant1_2437



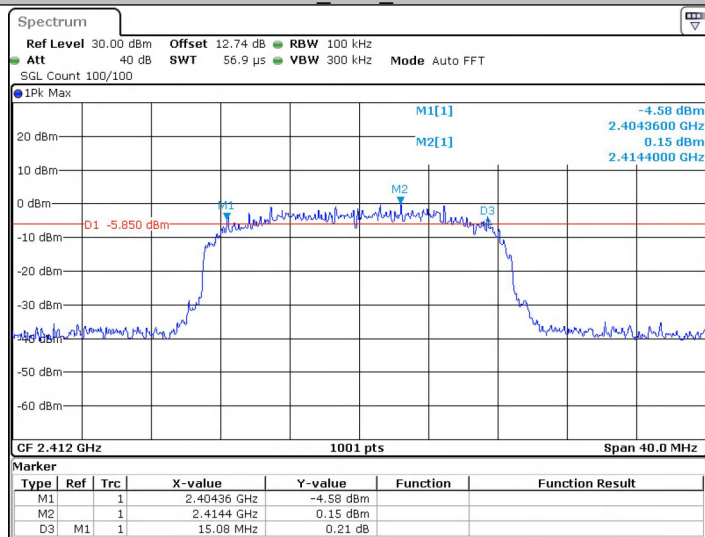
Date: 9 APR 2025 15:04:02

11B_Ant1_2462



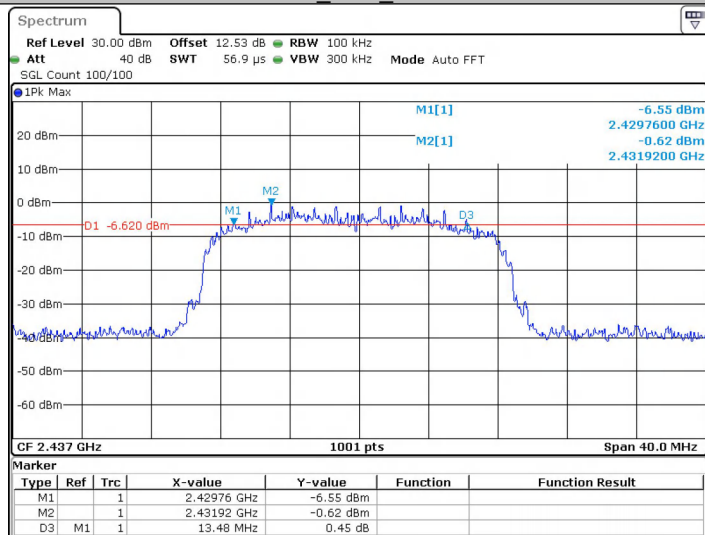
Date: 9 APR 2025 15:06:50

11G_Ant1_2412



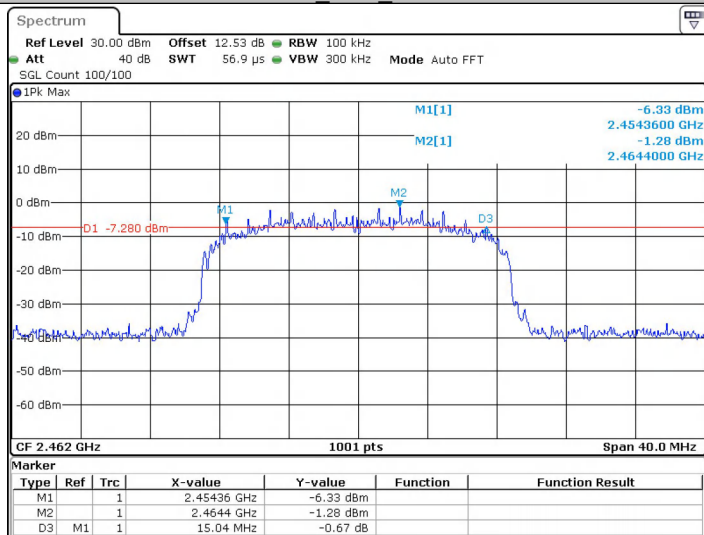
Date: 9 APR 2025 15:10:57

11G_Ant1_2437



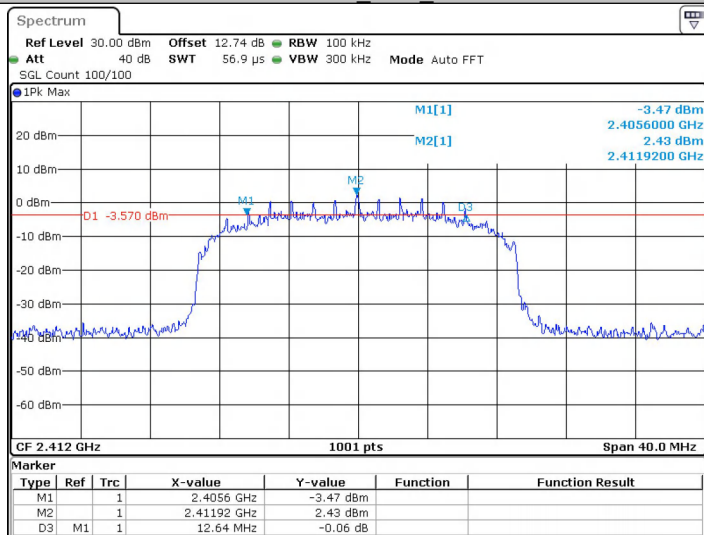
Date: 9 APR 2025 15:12:27

11G_Ant1_2462



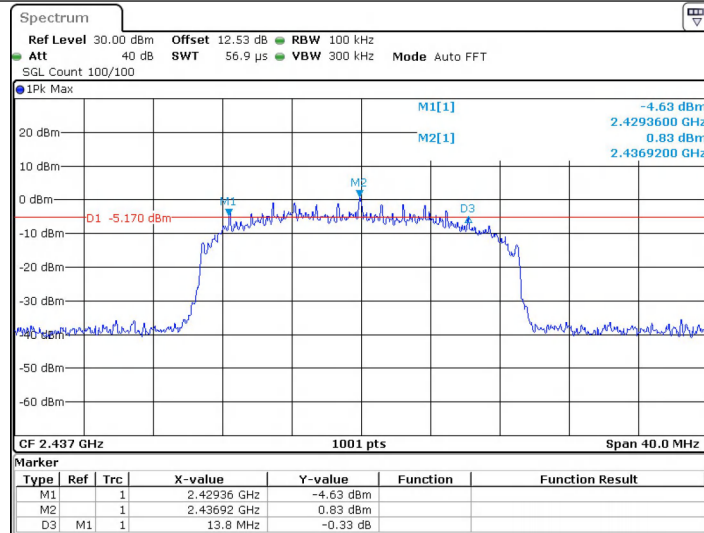
Date: 9.APR.2025 15:14:53

11N20SISO_Ant1_2412



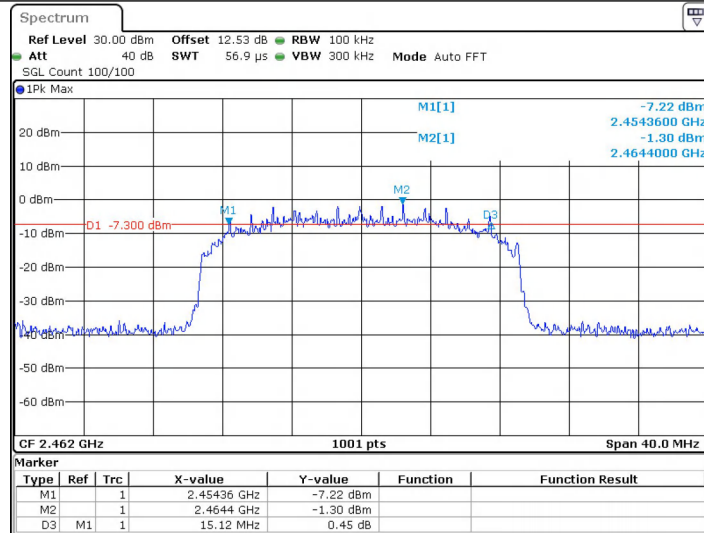
Date: 9.APR.2025 15:19:19

11N20SISO_Ant1_2437



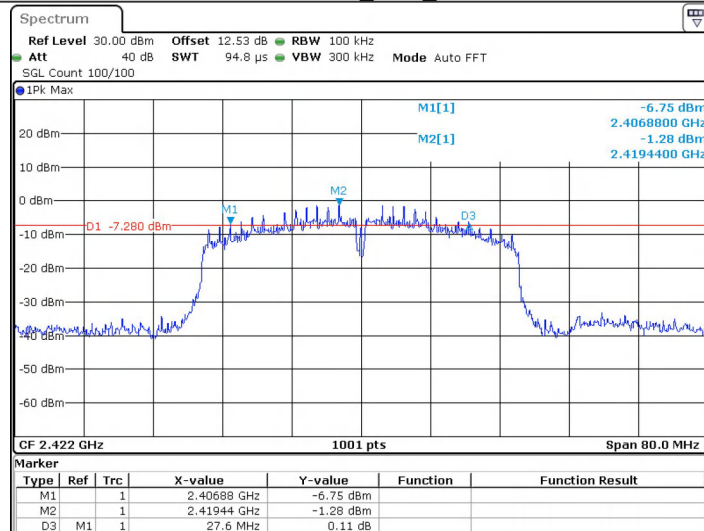
Date: 9 APR 2025 15:22:00

11N20SISO_Ant1_2462



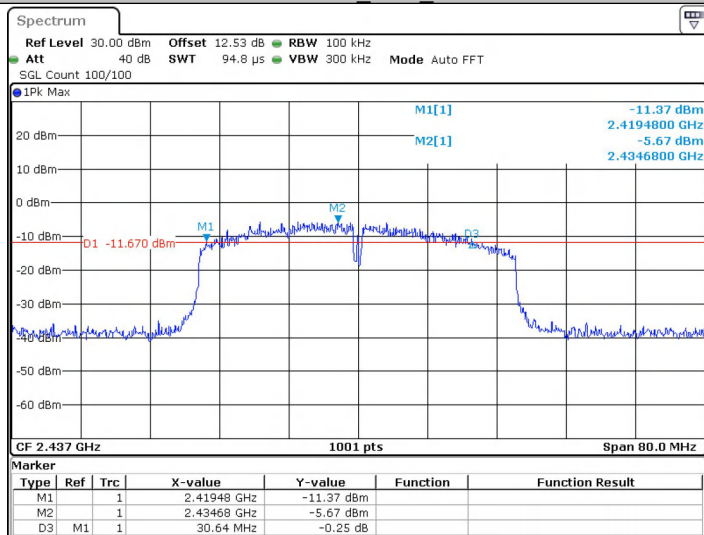
Date: 9 APR 2025 15:23:17

11N40SISO_Ant1_2422



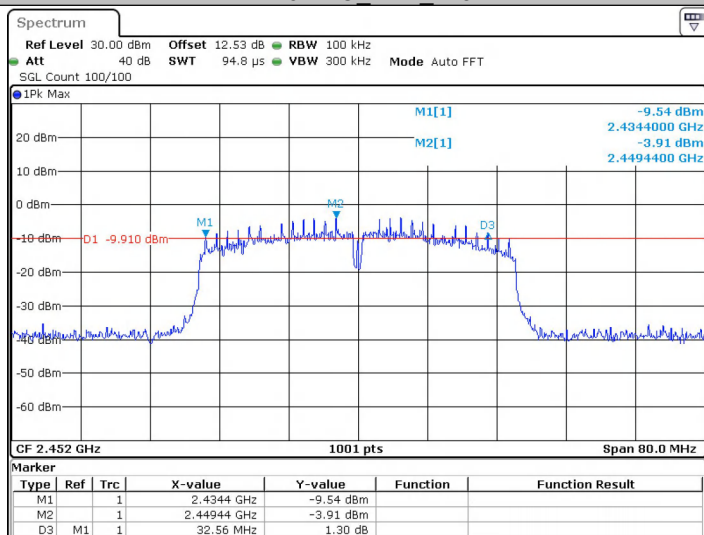
Date: 9 APR 2025 15:27:40

11N40SISO_Ant1_2437



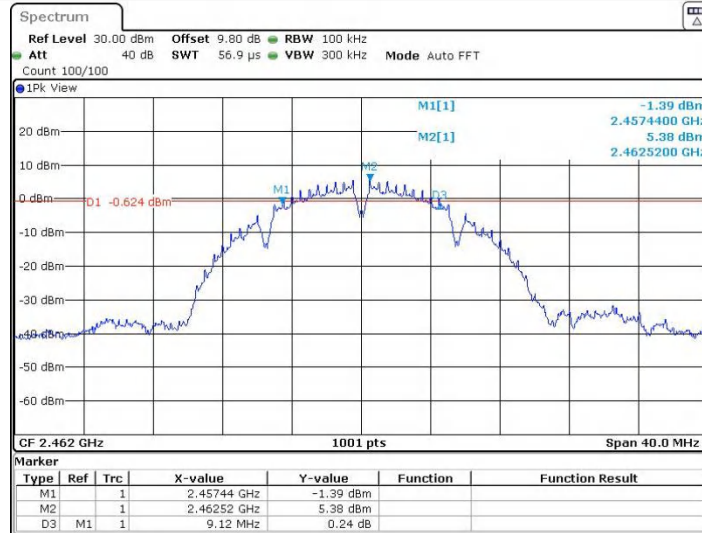
Date: 9.APR.2025 15:29:06

11N40SISO_Ant1_2452



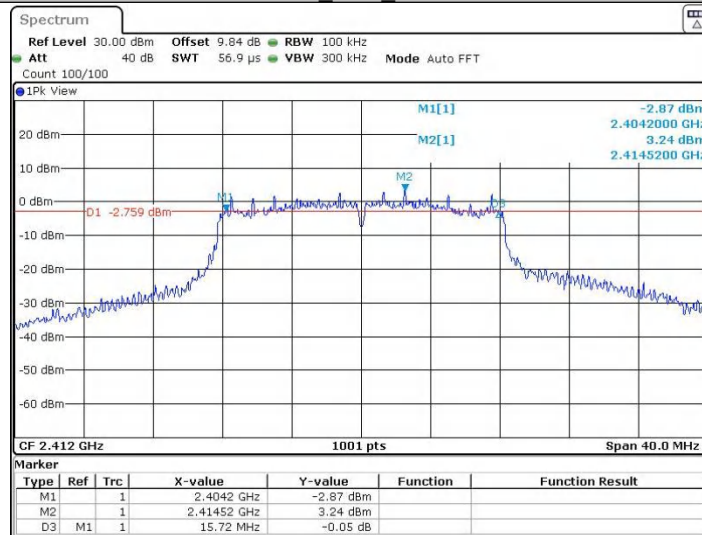
Date: 9.APR.2025 15:30:13

11B_Ant1_2462



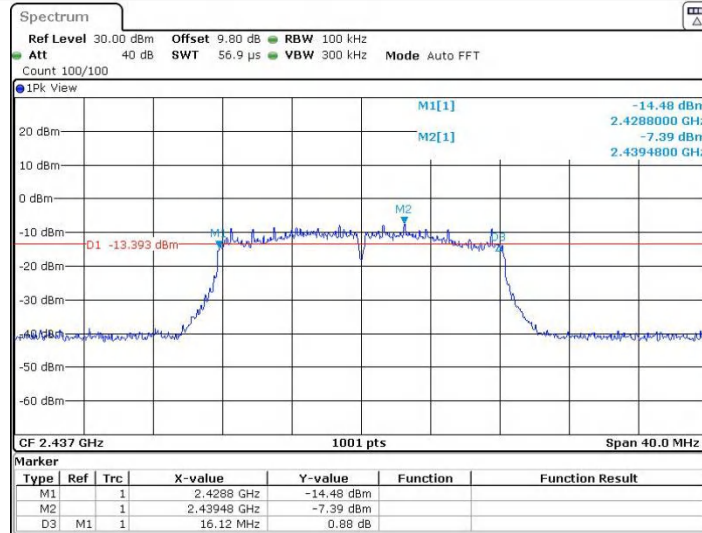
Date: 22 FEB 2022 07:17:39

11G_Ant1_2412



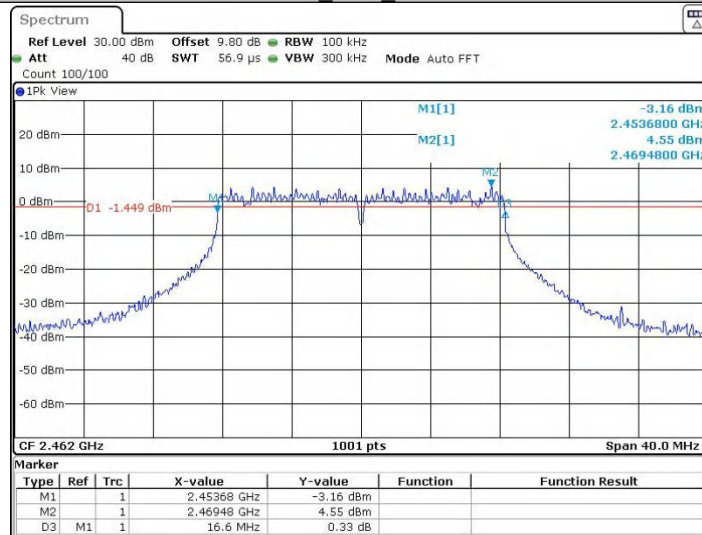
Date: 22 FEB 2022 07:21:09

11G_Ant1_2437



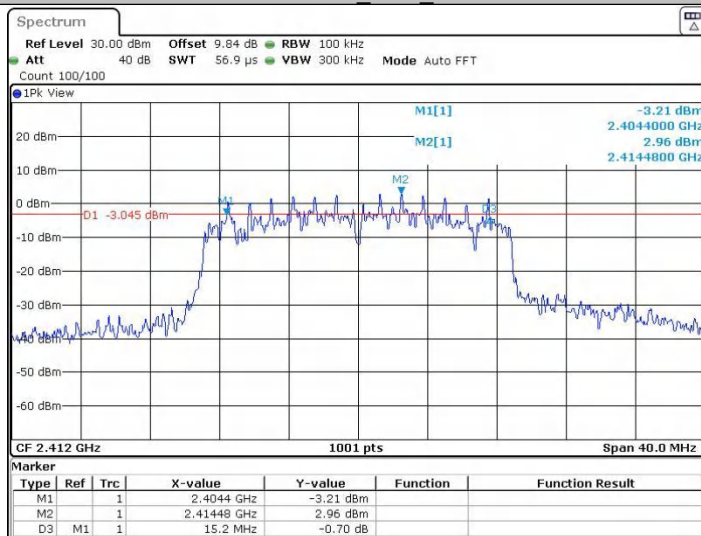
Date: 22 FEB 2022 07:30:50

11G_Ant1_2462



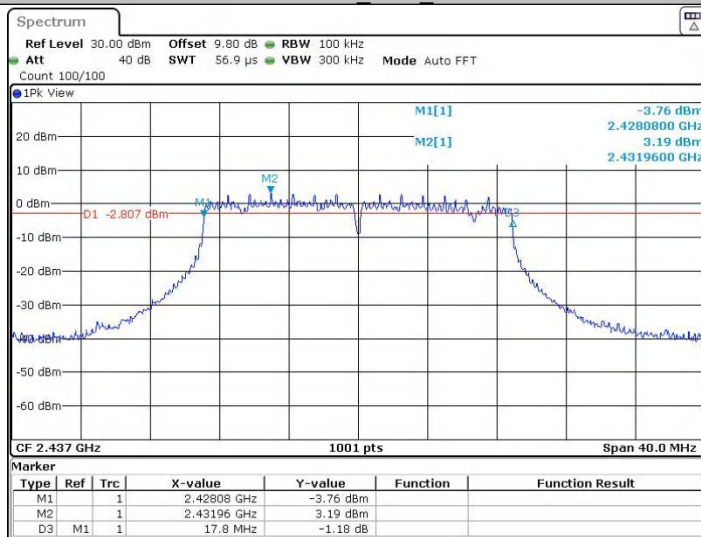
Date: 23 FEB 2022 06:09:49

11N20SISO_Ant1_2412



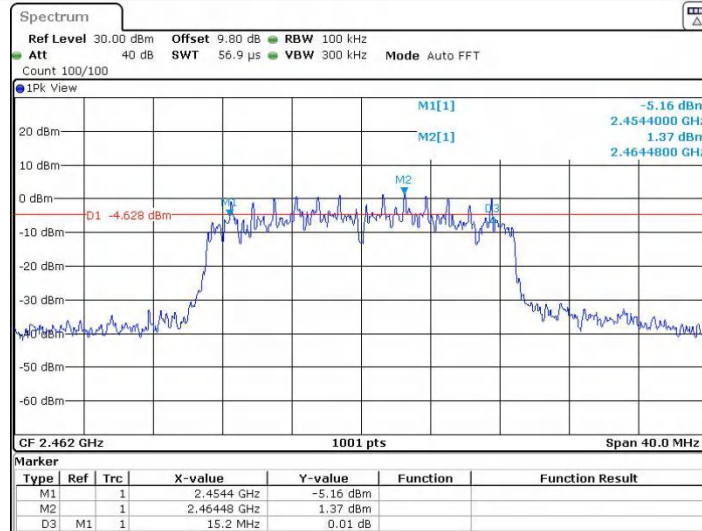
Date: 22 FEB 2022 07:44:26

11N20SISO_Ant1_2437



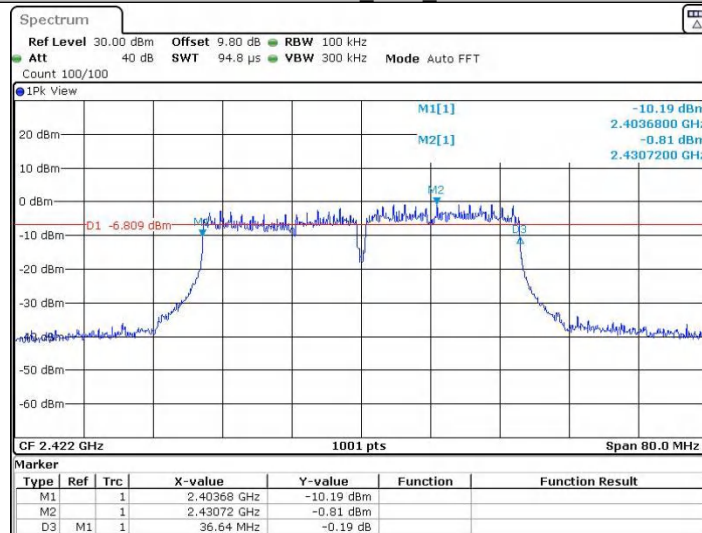
Date: 23 FEB 2022 06:17:33

11N20SISO_Ant1_2462



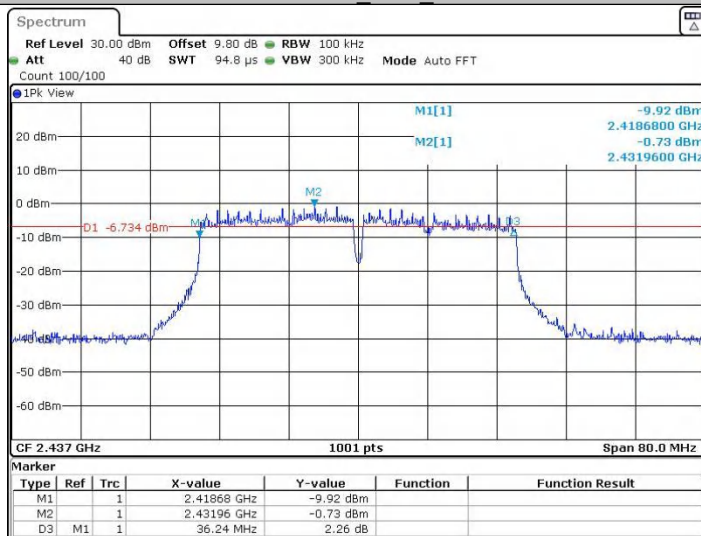
Date: 22 FEB 2022 08:18:17

11N40SISO_Ant1_2422



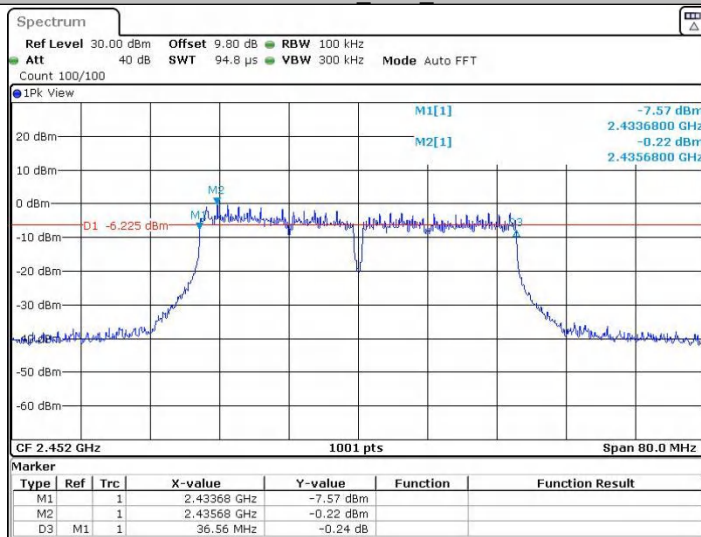
Date: 23 FEB 2022 01:09:08

11N40SISO_Ant1_2437



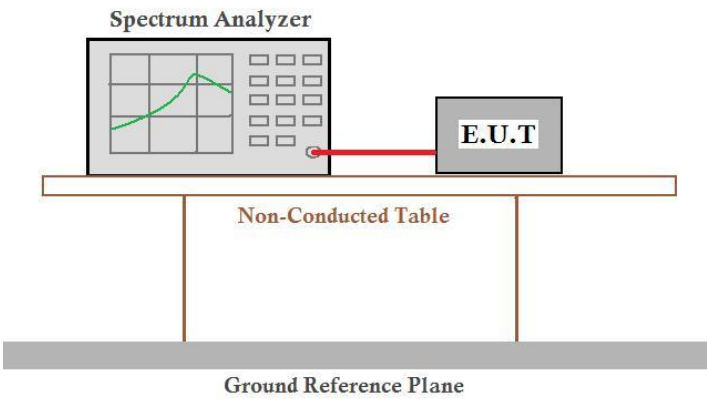
Date: 23.FEB.2022 01:12:25

11N40SISO_Ant1_2452



Date: 23.FEB.2022 01:14:09

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

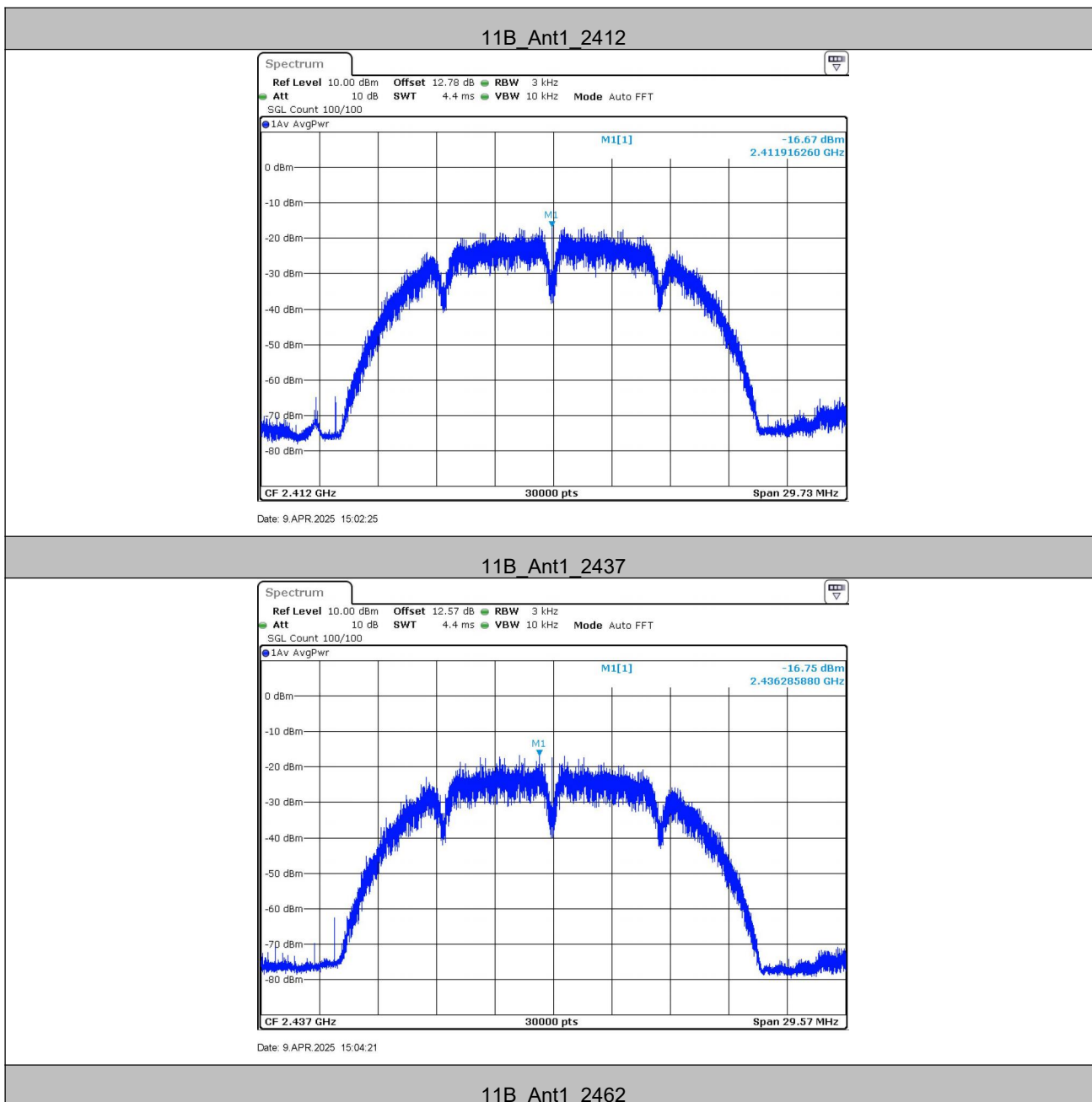
Test Result

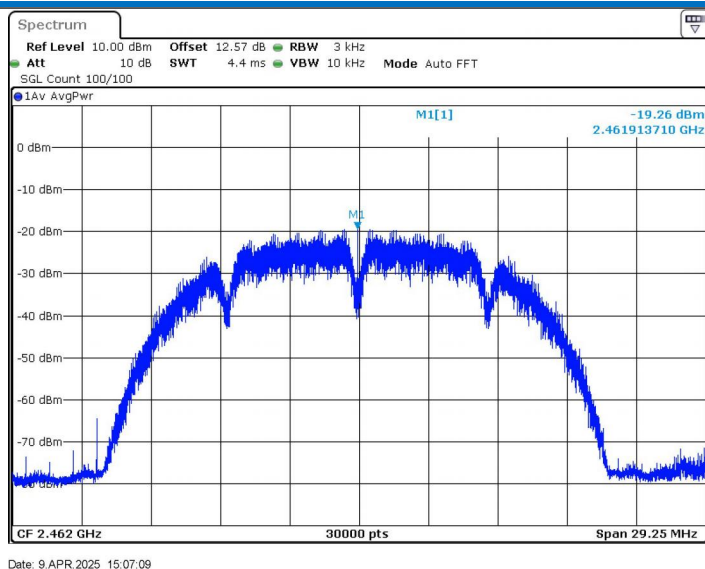
Test Mode	Antenna	Frequency [MHz]	Measured Result [dBm/3kHz]	D.C.F [dB]	PSD [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-16.67	/	-16.67	≤8	PASS
		2437	-16.75	/	-16.75	≤8	PASS
		2462	-19.26	/	-19.26	≤8	PASS
11G	Ant1	2412	-12.21	0.13	-12.08	≤8	PASS
		2437	-13.55	0.13	-13.42	≤8	PASS
		2462	-13.99	0.13	-13.86	≤8	PASS
11N20SISO	Ant1	2412	-10.84	/	-16.67	≤8	PASS
		2437	-12.58	/	-16.75	≤8	PASS
		2462	-13.62	/	-19.26	≤8	PASS
11N40SISO	Ant1	2422	-12.95	0.12	-12.83	≤8	PASS
		2437	-13.83	0.12	-13.71	≤8	PASS
		2452	-16.11	0.12	-15.99	≤8	PASS

Note: Duty cycle correction factor details please see section 4.4.

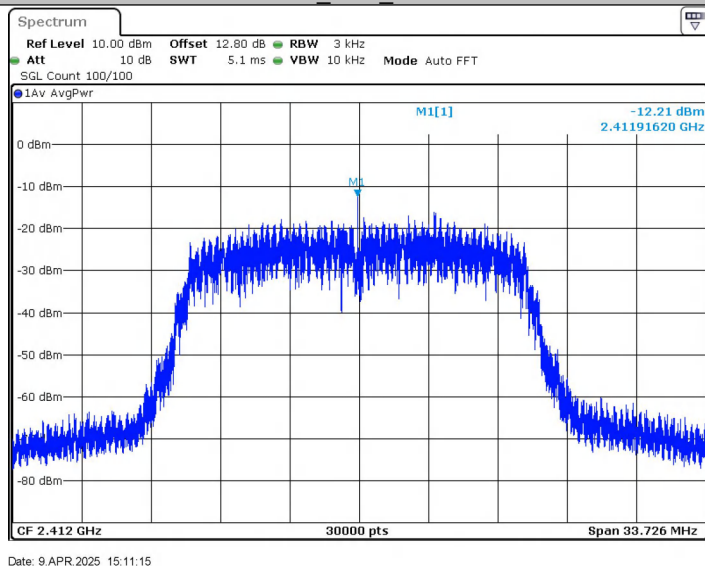
When Duty cycle >98%, D.C.F is not required.

Test Graphs

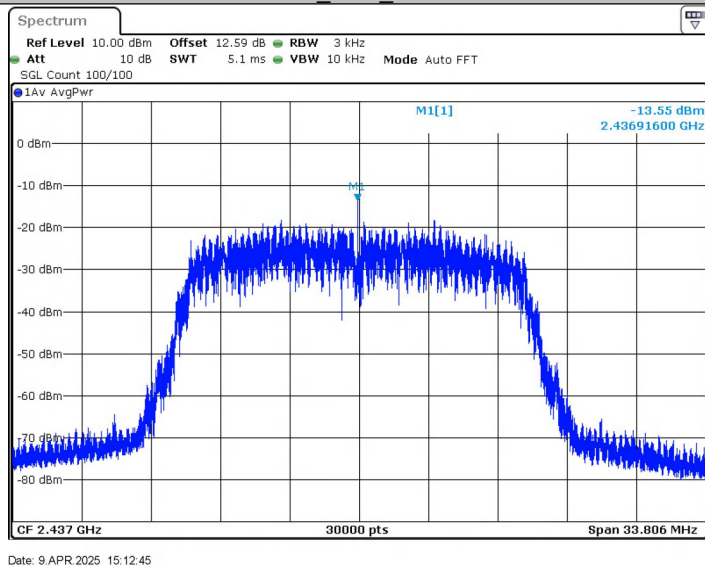




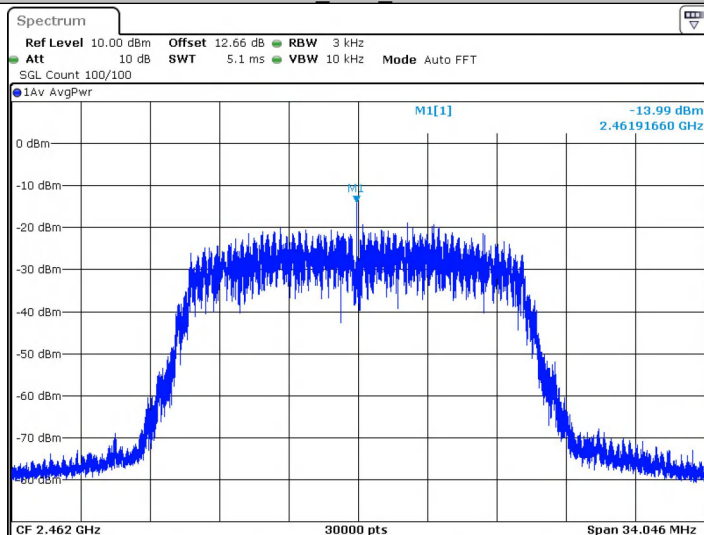
11G_Ant1_2412



11G_Ant1_2437

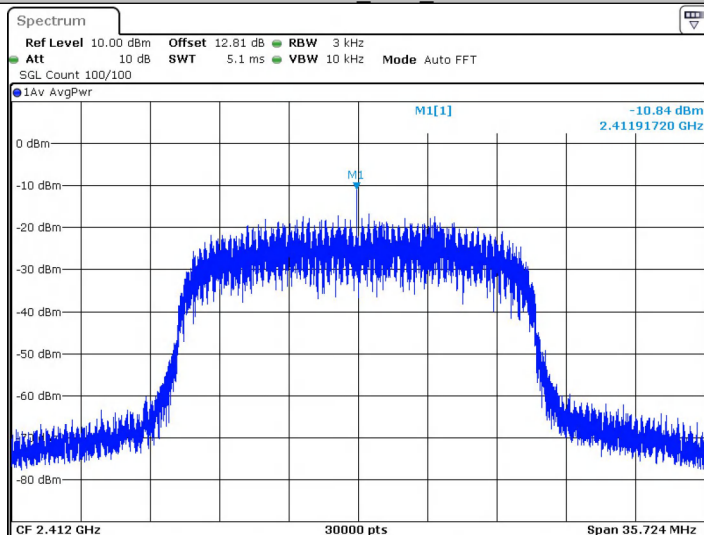


11G_Ant1_2462



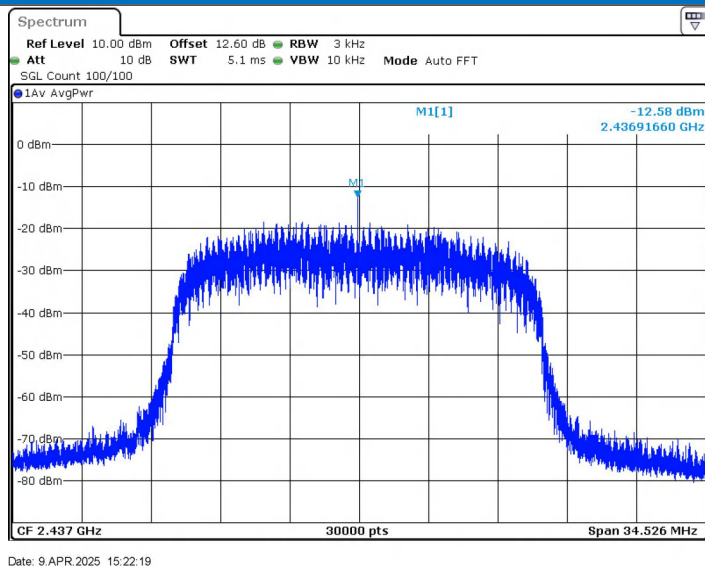
Date: 9.APR.2025 15:15:12

11N20SISO_Ant1_2412

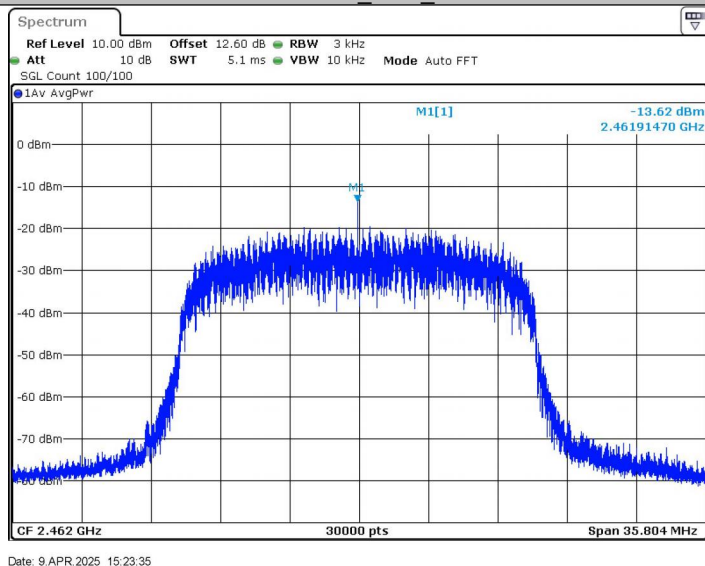


Date: 9.APR.2025 15:19:37

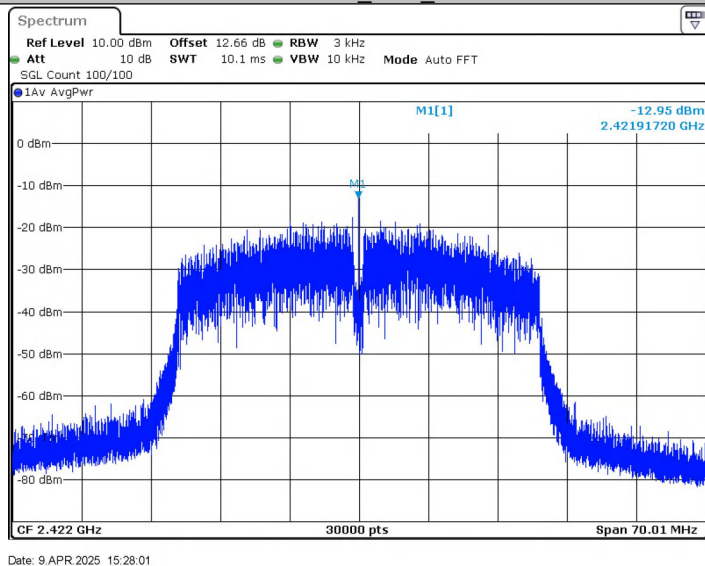
11N20SISO_Ant1_2437



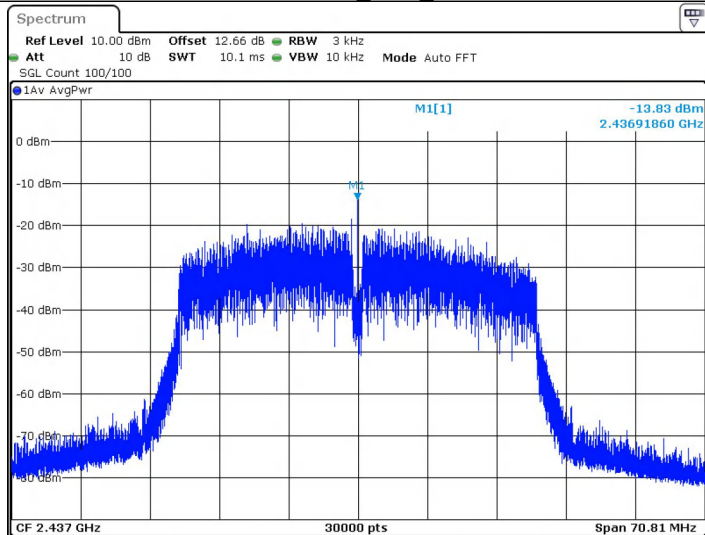
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422

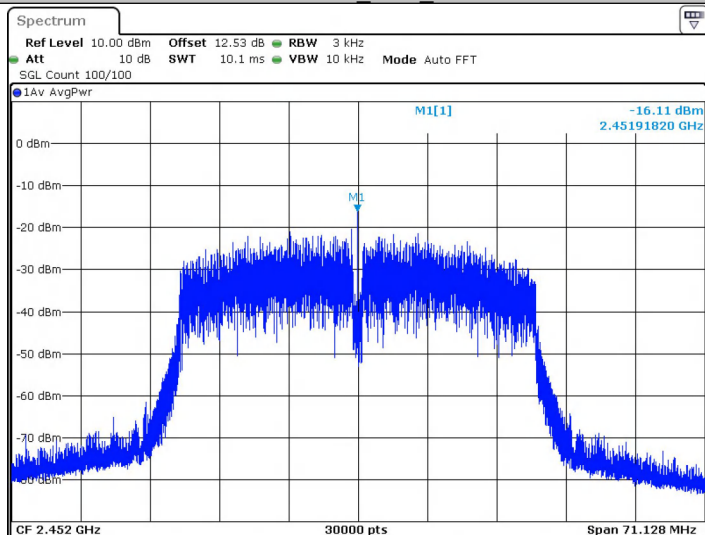


11N40SISO_Ant1_2437



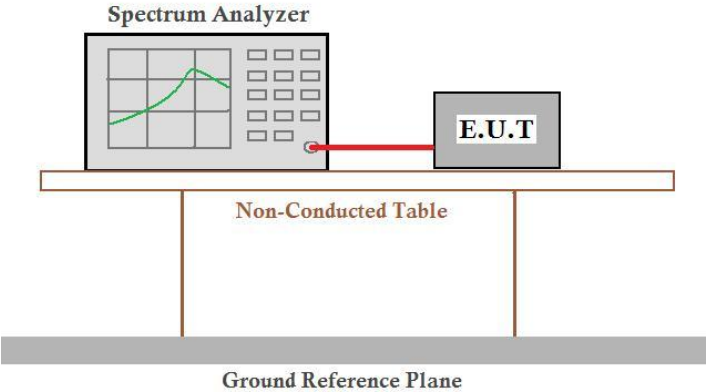
Date: 9 APR 2025 15:29:27

11N40SISO_Ant1_2452



Date: 9 APR 2025 15:30:34

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	0.94	-43.49	≤ -29.06	PASS
	High	2462	-1.29	-43.26	≤ -31.29	PASS
11G	Low	2412	1.38	-41.56	≤ -28.62	PASS
	High	2462	-1.14	-43.45	≤ -31.14	PASS
11N20SISO	Low	2412	1.45	-41.86	≤ -28.55	PASS
	High	2462	-0.10	-43.85	≤ -30.1	PASS
11N40SISO	Low	2422	-1.14	-39.93	≤ -31.14	PASS
	High	2452	-3.99	-43.03	≤ -33.99	PASS

5.7.1 Test Graphs

