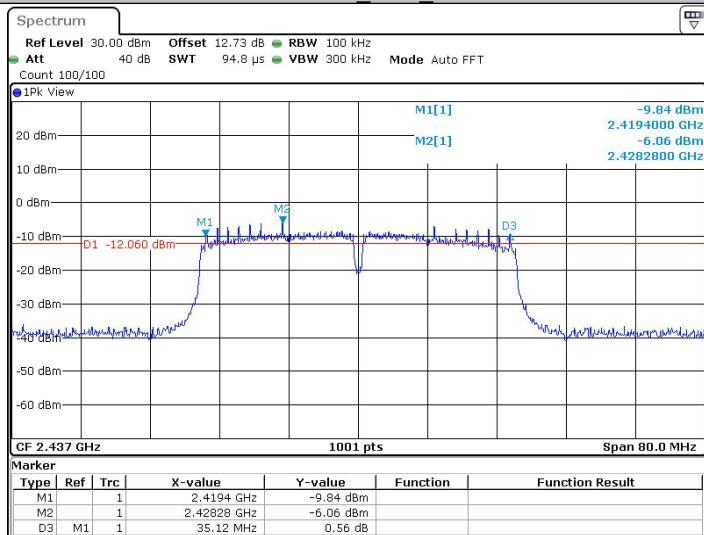
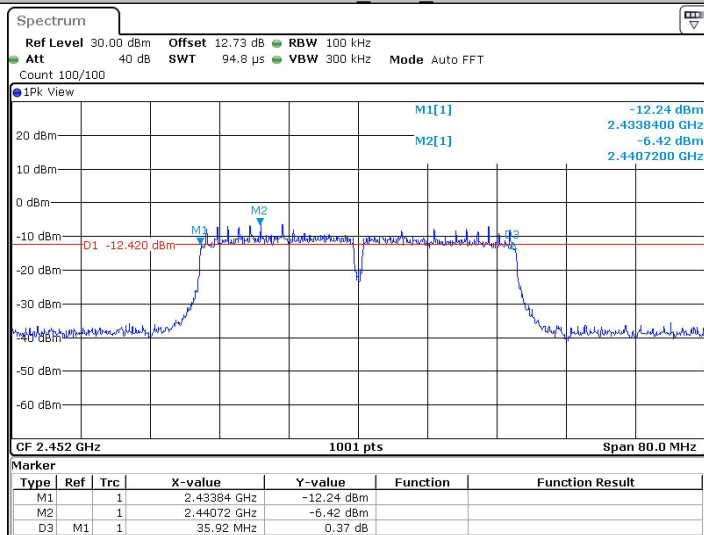


11N40SISO_Ant2_2437



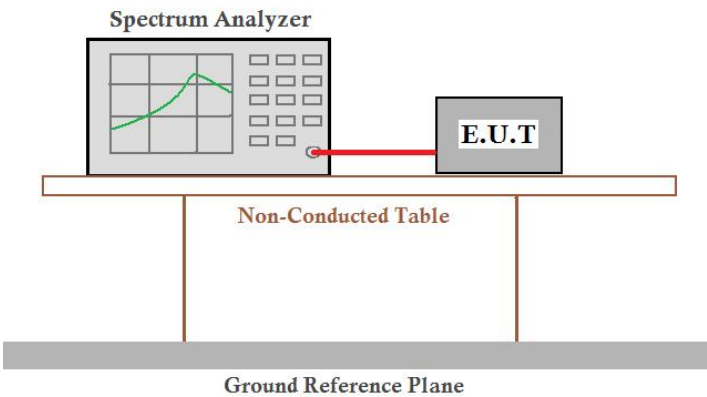
Date: 12 APR 2024 11:50:33

11N40SISO_Ant2_2452



Date: 12 APR 2024 11:53:24

5.5 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**ANT1:**

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-28.12	≤8.00	PASS
	2437	-27.72	≤8.00	PASS
	2462	-28.86	≤8.00	PASS
11G	2412	-22.78	≤8.00	PASS
	2437	-22.22	≤8.00	PASS
	2462	-24.08	≤8.00	PASS
11N20SISO	2412	-23.15	≤8.00	PASS
	2437	-23.09	≤8.00	PASS
	2462	-23.94	≤8.00	PASS
11N40SISO	2422	-23.88	≤8.00	PASS
	2437	-24.28	≤8.00	PASS
	2452	-24.89	≤8.00	PASS

ANT2:

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-28.5	≤8.00	PASS
	2437	-27.65	≤8.00	PASS
	2462	-29.12	≤8.00	PASS
11G	2412	-23.15	≤8.00	PASS
	2437	-22.69	≤8.00	PASS
	2462	-23.87	≤8.00	PASS
11N20SISO	2412	-23.18	≤8.00	PASS
	2437	-22.98	≤8.00	PASS
	2462	-24.56	≤8.00	PASS
11N40SISO	2422	-22.35	≤8.00	PASS
	2437	-21.93	≤8.00	PASS
	2452	-25.11	≤8.00	PASS

ANT1+ANT2:

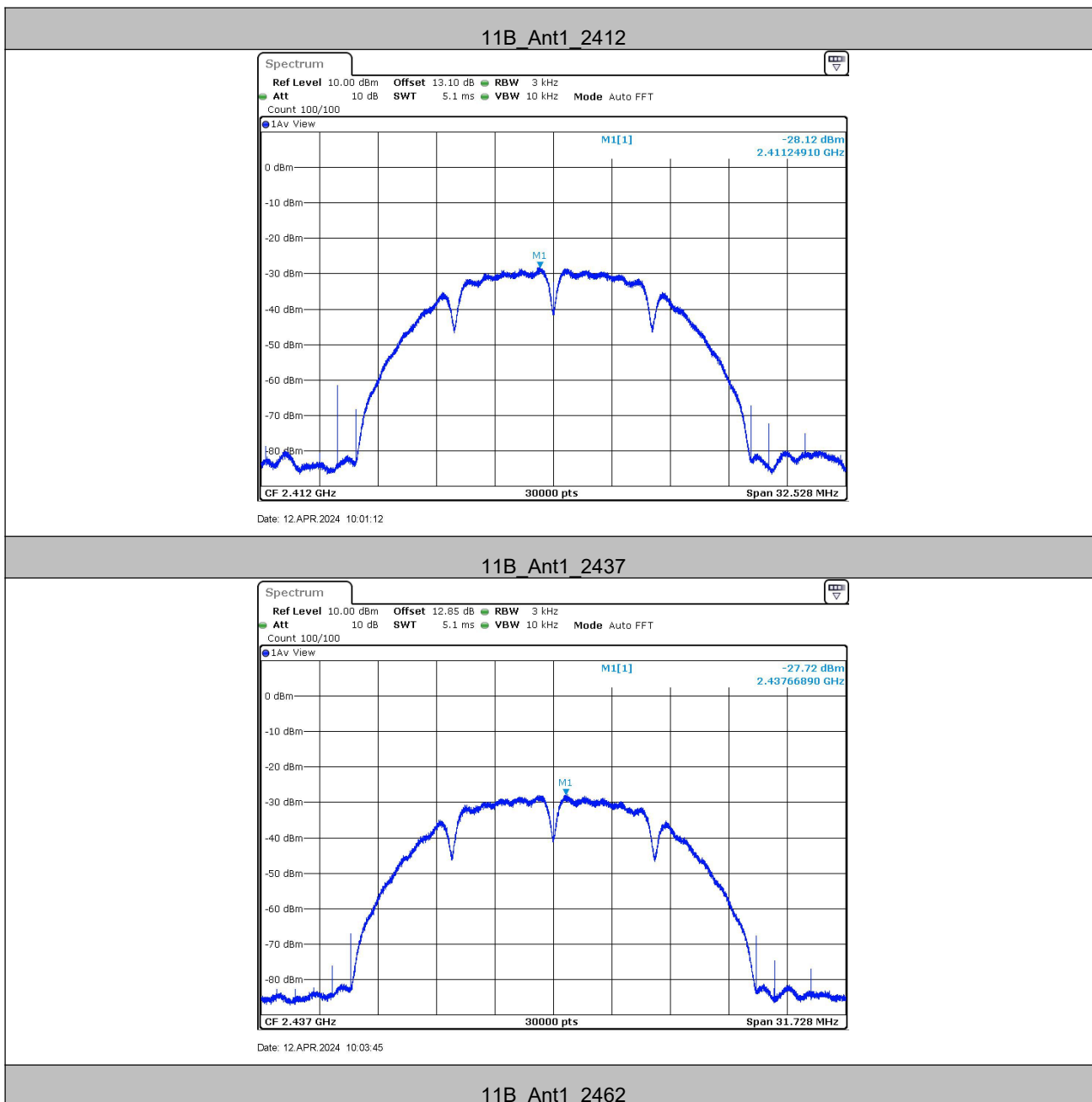
TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11N20MIMO	2412	-20.15	≤ 7.21	PASS
	2437	-20.02	≤ 7.21	PASS
	2462	-21.23	≤ 7.21	PASS
11N40MIMO	2422	-20.04	≤ 7.21	PASS
	2437	-19.94	≤ 7.21	PASS
	2452	-21.99	≤ 7.21	PASS

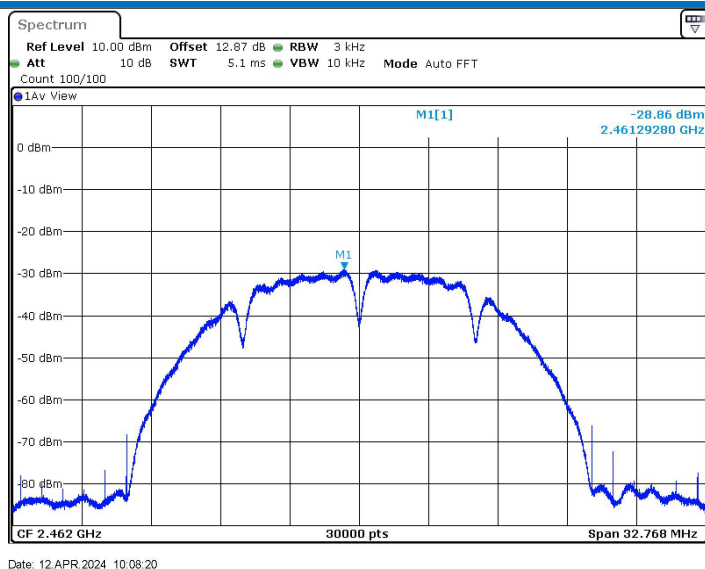
PSD MIMO limit=Conducted output PSD Limit-(directional gains-6dBi)**Directional gain:6.79dBi**

Note:

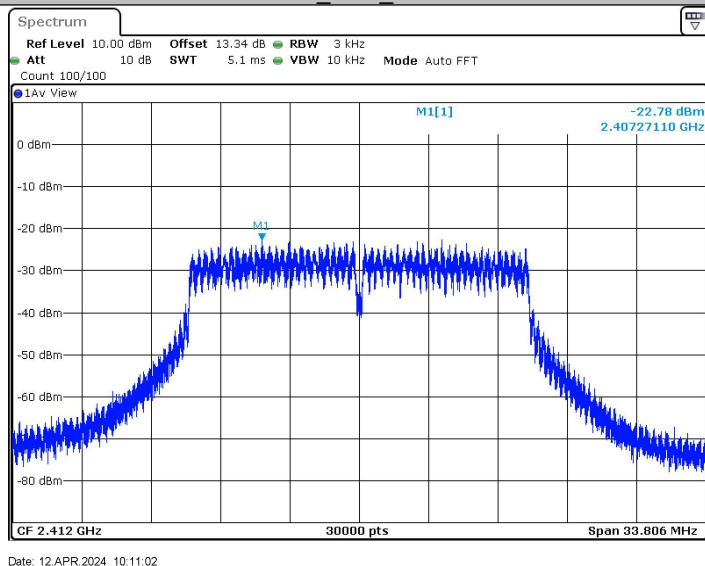
When Duty cycle >98%, D.C.F is not required.

Test Graphs

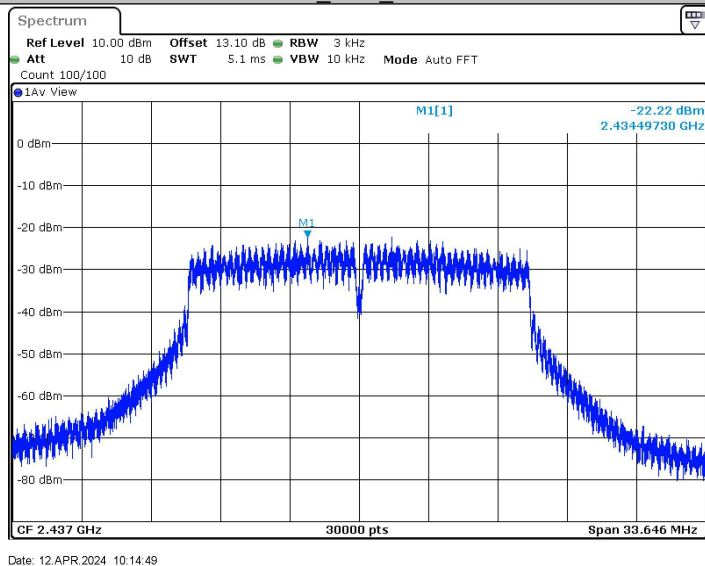




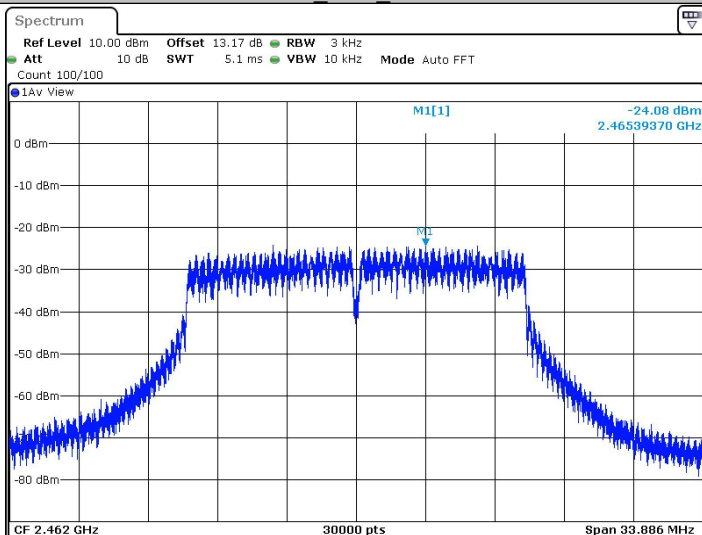
11G_Ant1_2412



11G_Ant1_2437

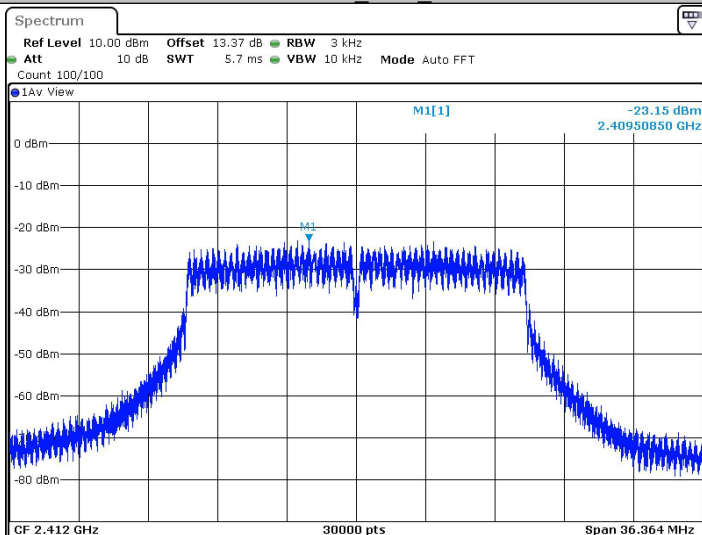


11G_Ant1_2462



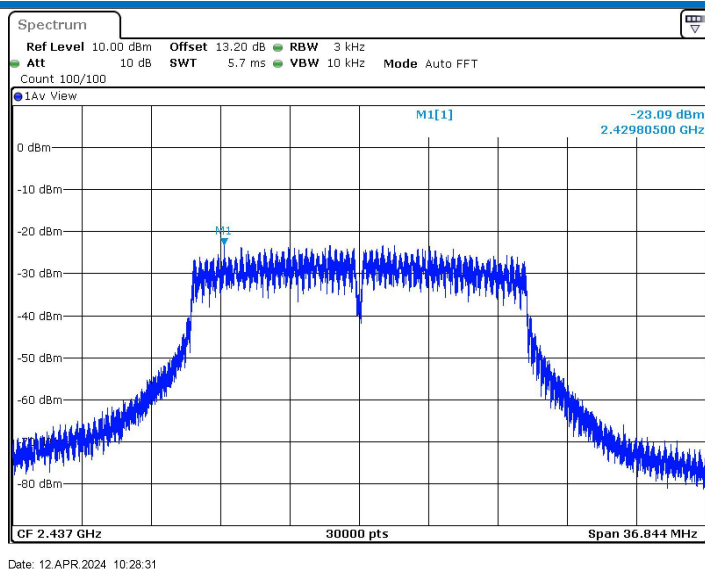
Date: 12 APR 2024 10:16:46

11N20SISO_Ant1_2412

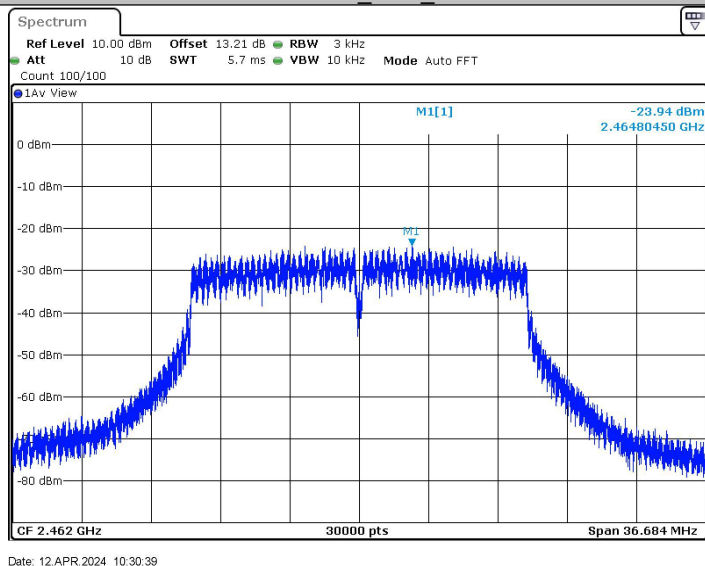


Date: 12 APR 2024 10:21:36

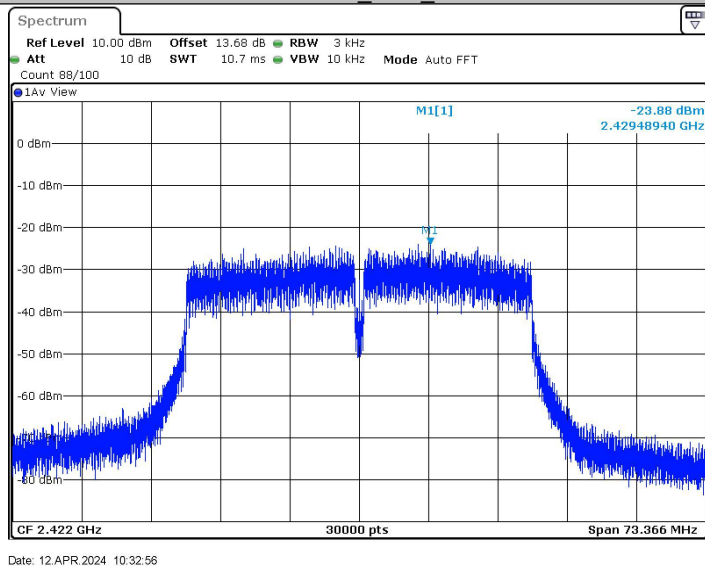
11N20SISO_Ant1_2437



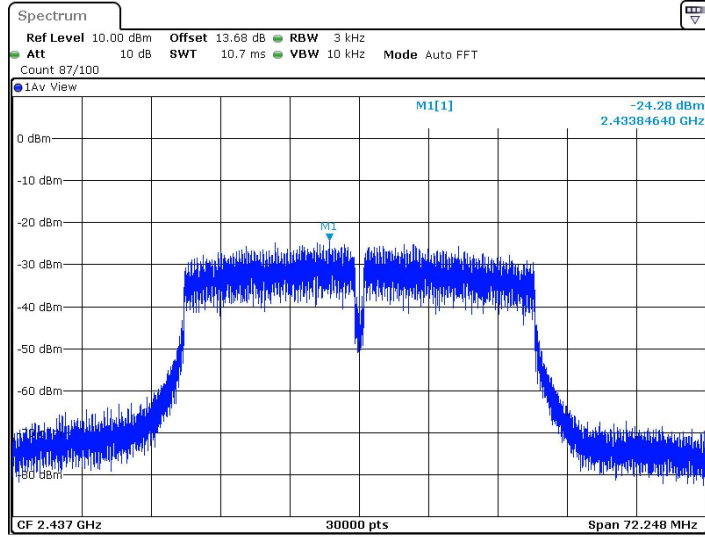
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422

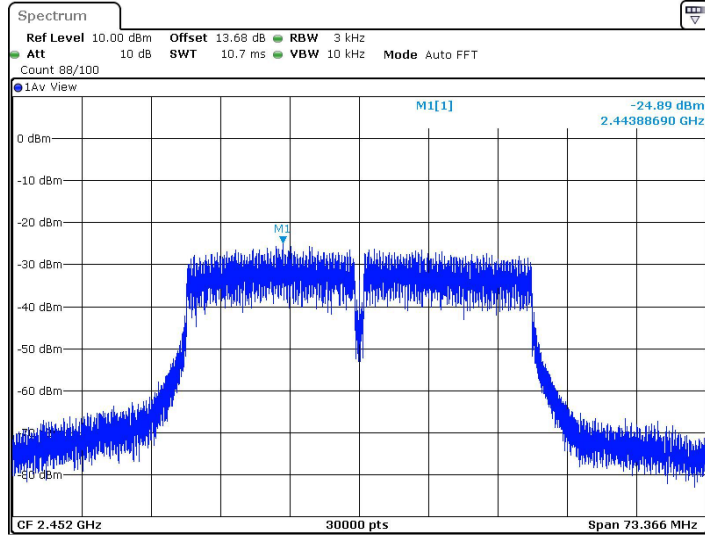


11N40SISO_Ant1_2437



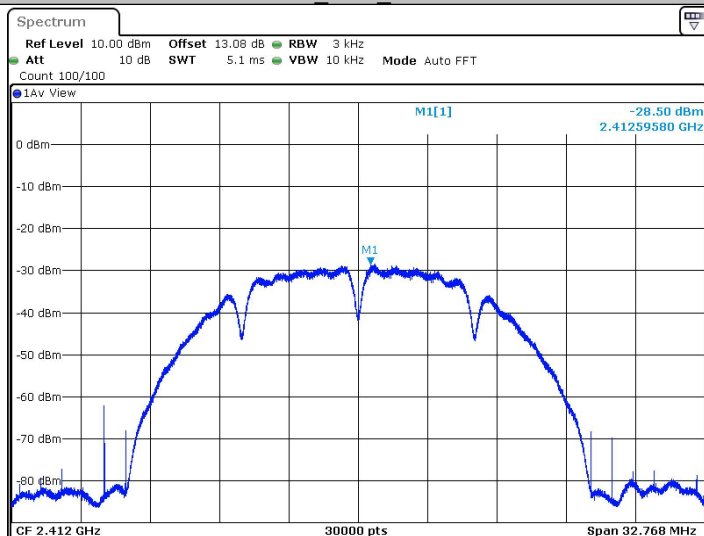
Date: 12 APR 2024 10:35:02

11N40SISO_Ant1_2452



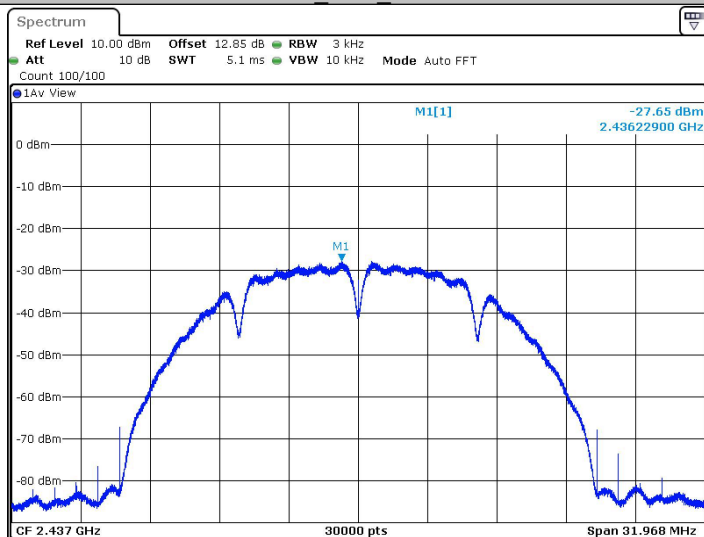
Date: 12 APR 2024 10:38:24

11B_Ant2_2412



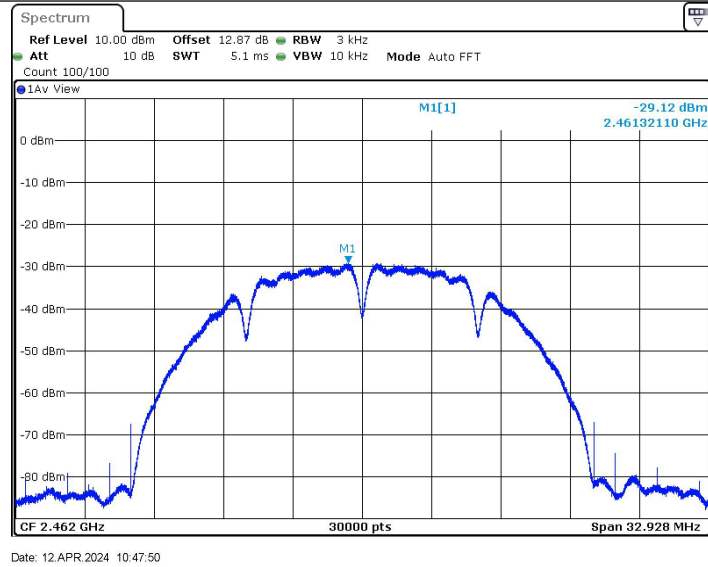
Date: 12 APR 2024 10:41:14

11B_Ant2_2437

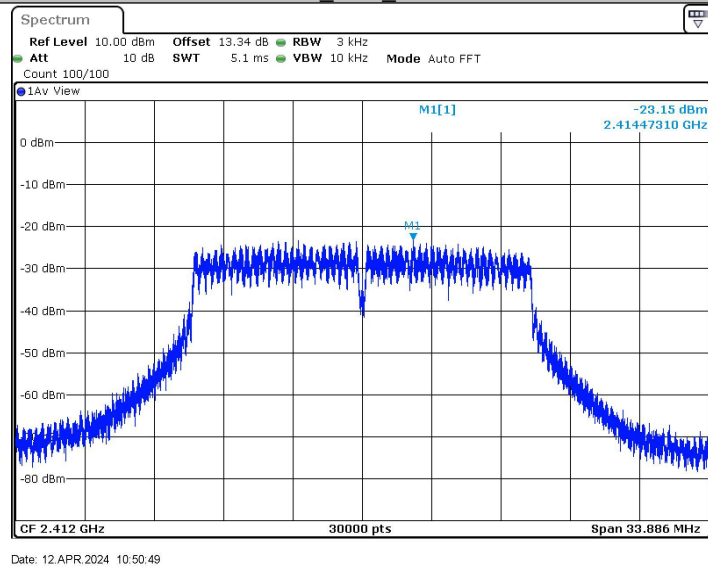


Date: 12 APR 2024 10:46:15

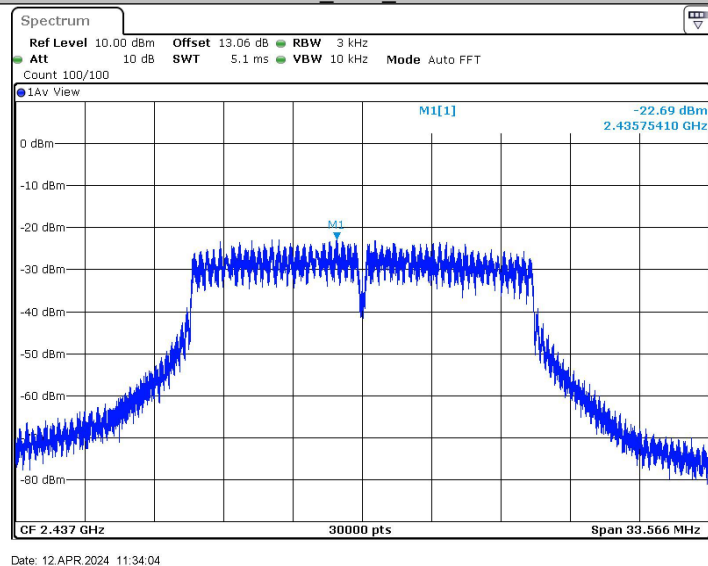
11B_Ant2_2462



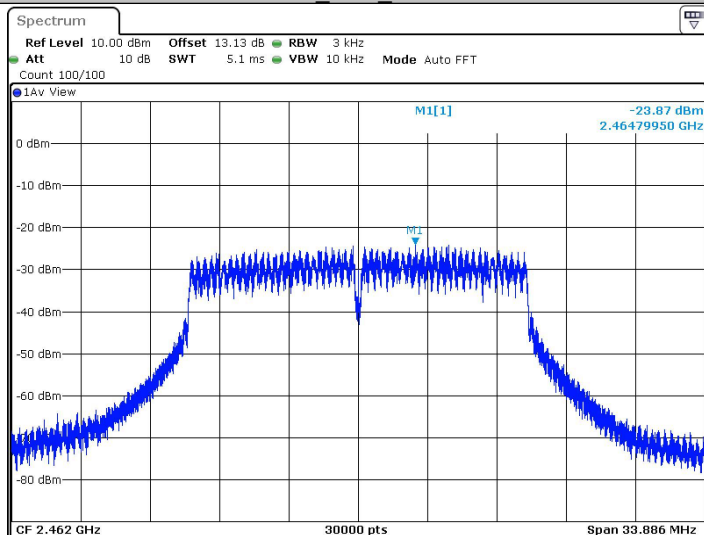
11G_Ant2_2412



11G_Ant2_2437

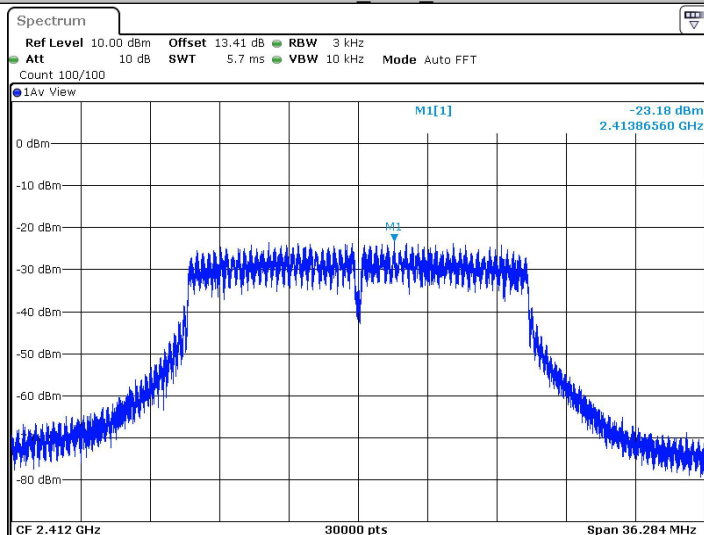


11G_Ant2_2462



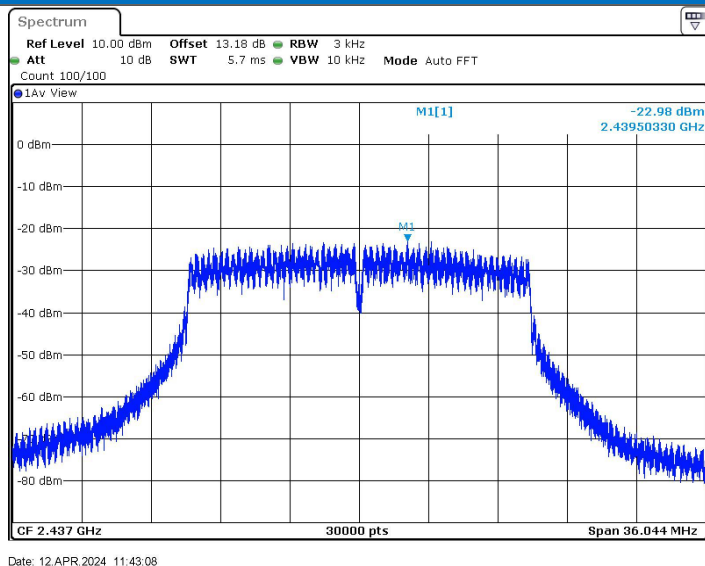
Date: 12 APR 2024 11:36:30

11N20SISO_Ant2_2412

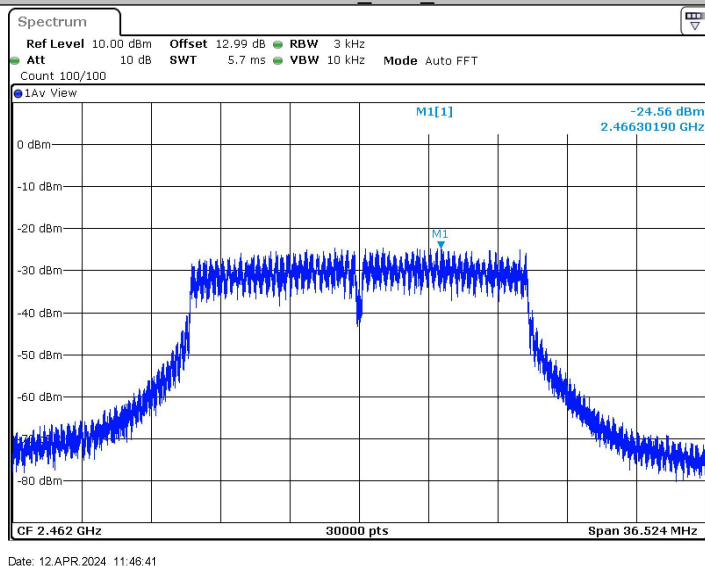


Date: 12 APR 2024 11:38:20

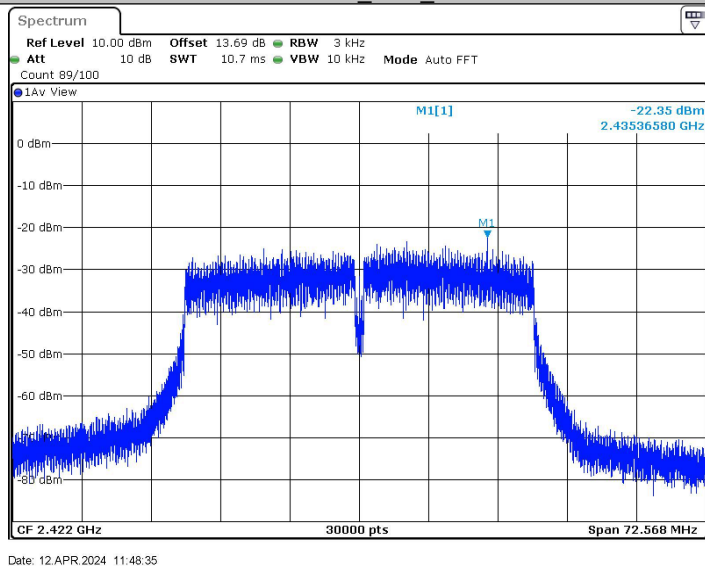
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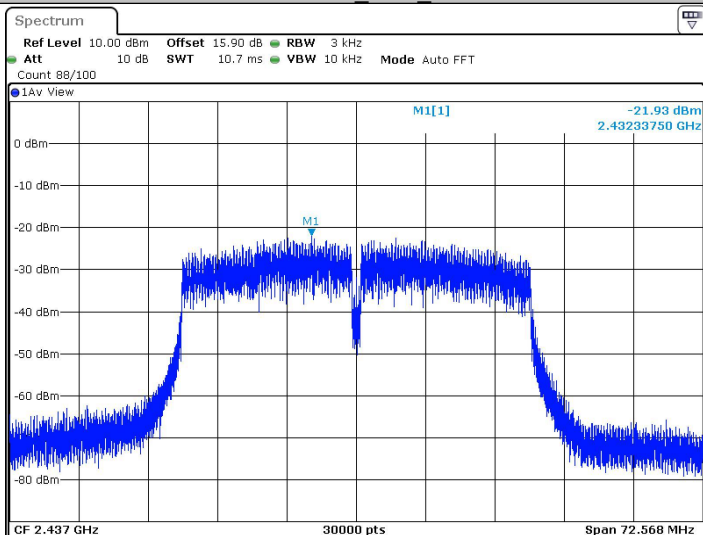
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422

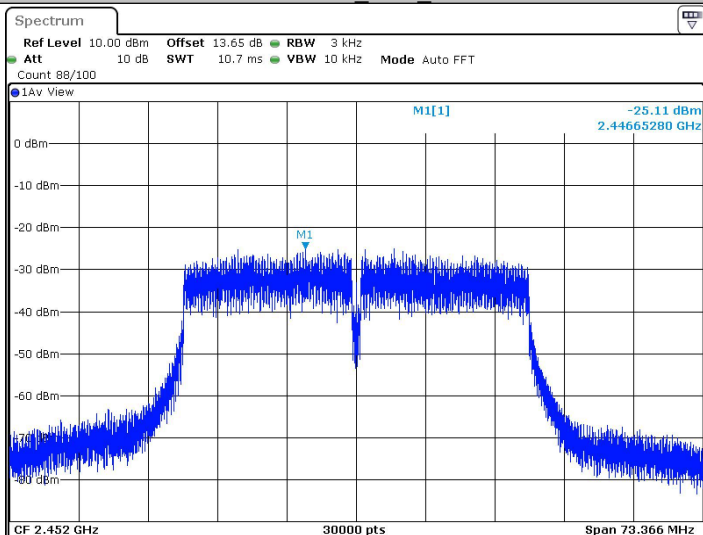


11N40SISO_Ant2_2437



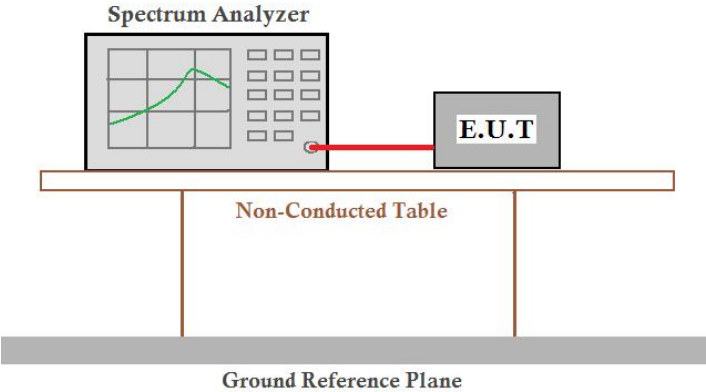
Date: 12 APR 2024 11:50:54

11N40SISO_Ant2_2452



Date: 12 APR 2024 11:53:46

5.6 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