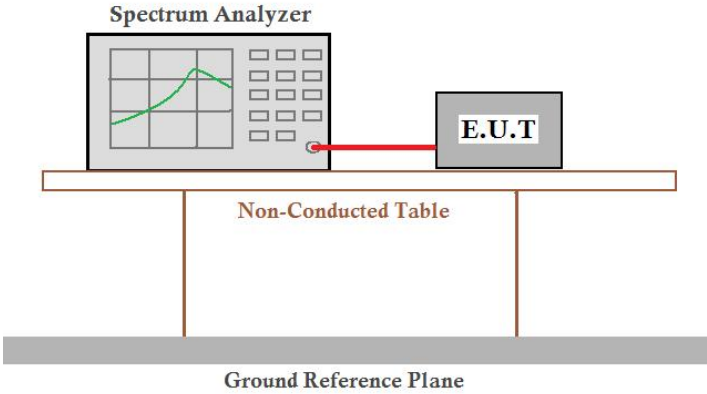


5.5 Power Spectral Density

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

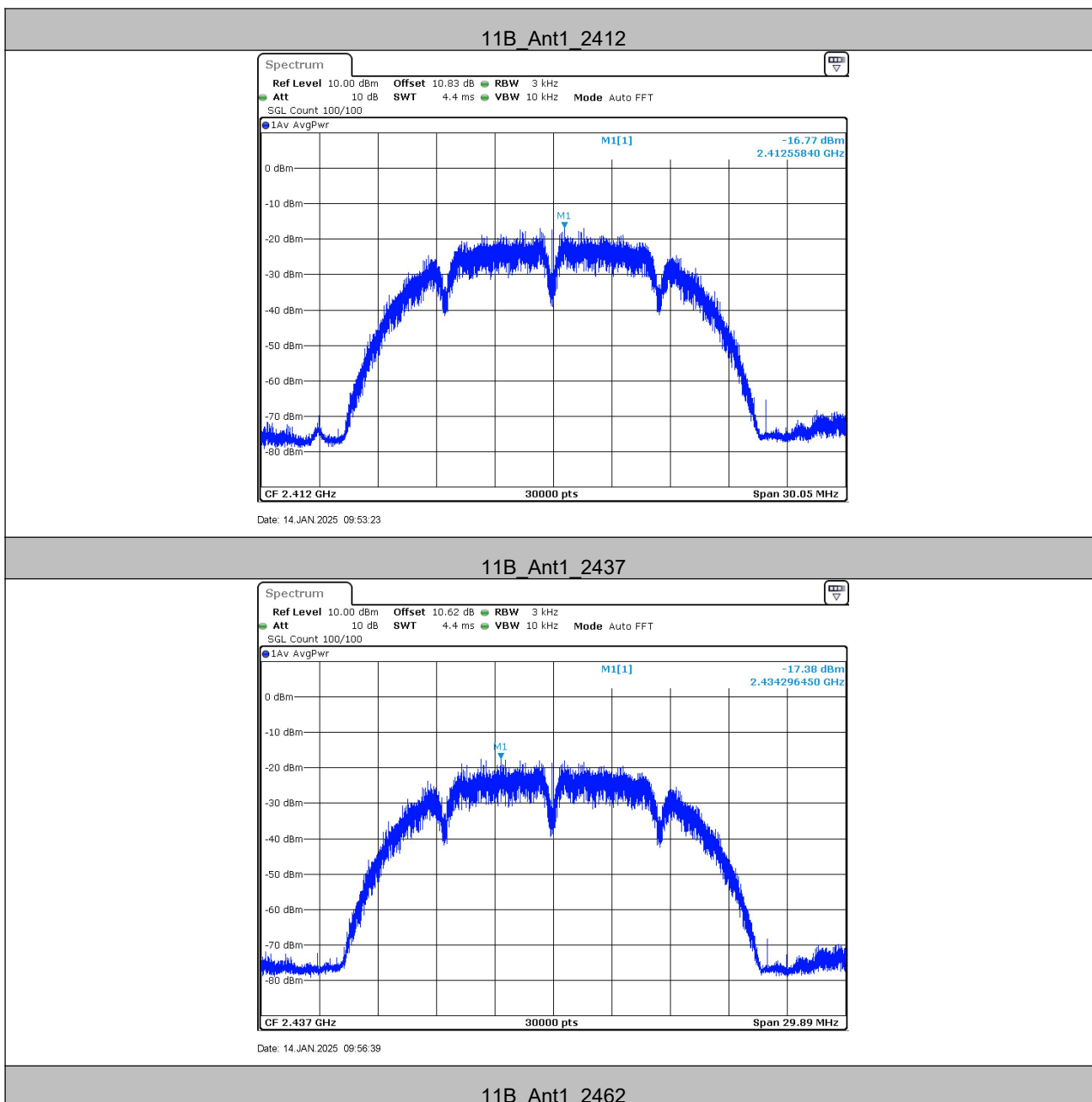
Test Result

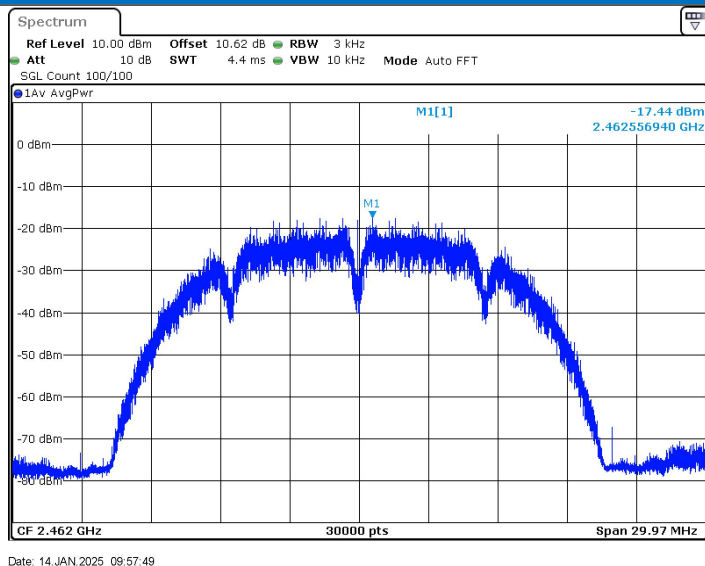
TestMode	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-16.77	≤8.00	PASS
	2437	-17.38	≤8.00	PASS
	2462	-17.44	≤8.00	PASS
11G	2412	-13.45	≤8.00	PASS
	2437	-13.96	≤8.00	PASS
	2462	-13.80	≤8.00	PASS
11N20SISO	2412	-13.02	≤8.00	PASS
	2437	-13.77	≤8.00	PASS
	2462	-13.41	≤8.00	PASS
11N40SISO	2422	-14.63	≤8.00	PASS
	2437	-14.60	≤8.00	PASS
	2452	-15.97	≤8.00	PASS

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

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

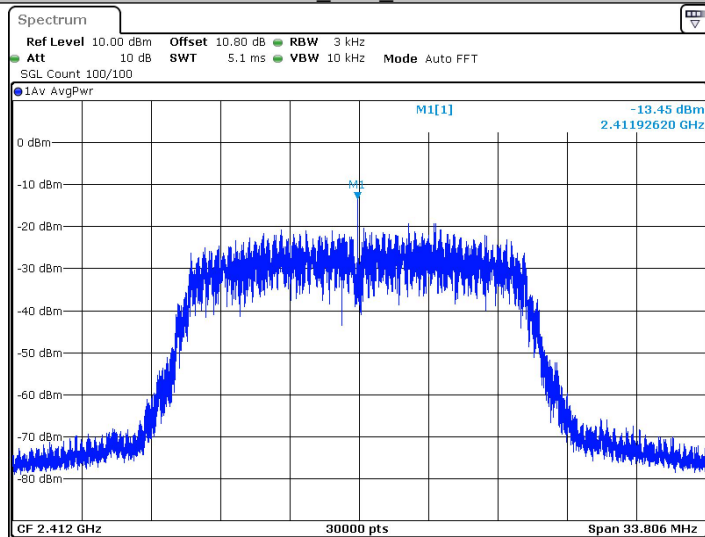
Test Graphs





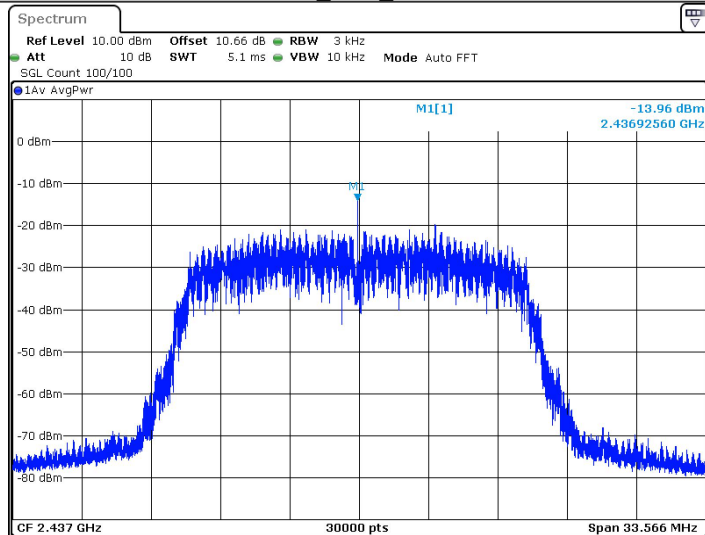
Date: 14 JAN 2025 09:57:49

11G_Ant1_2412



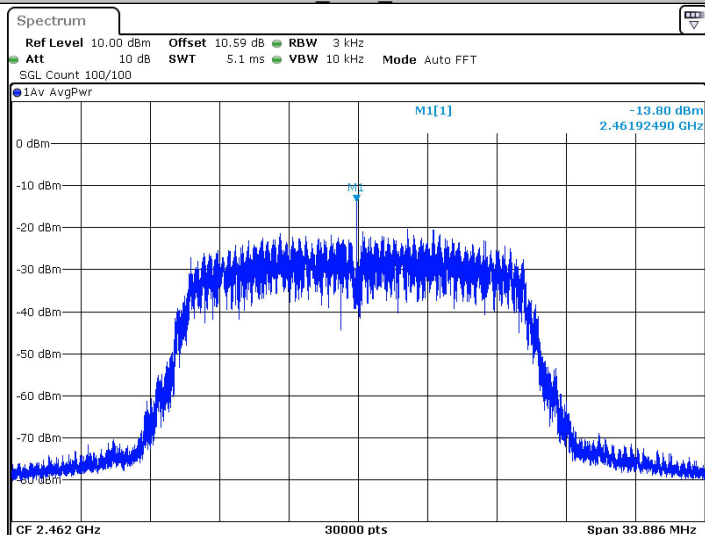
Date: 14 JAN 2025 10:01:06

11G_Ant1_2437



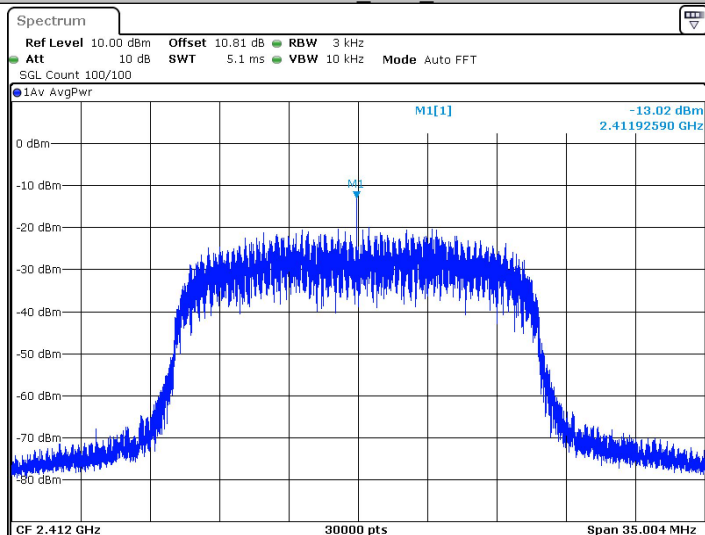
Date: 14 JAN 2025 10:02:55

11G_Ant1_2462



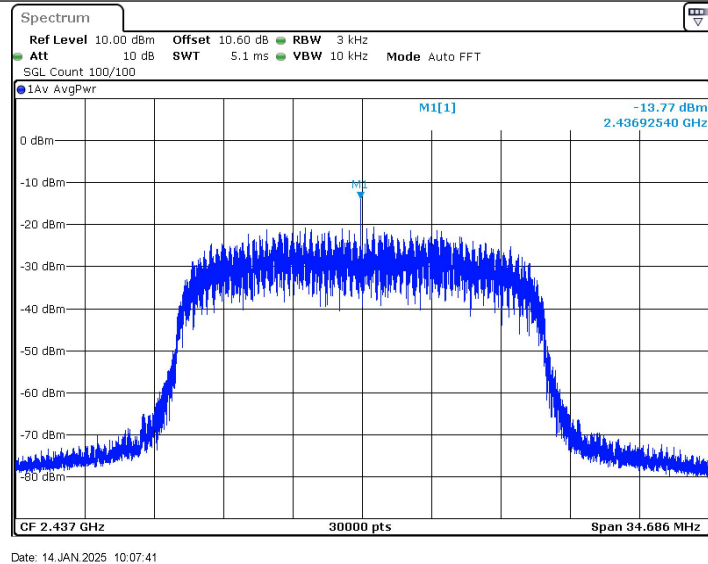
Date: 14 JAN 2025 10:04:45

11N20SISO_Ant1_2412

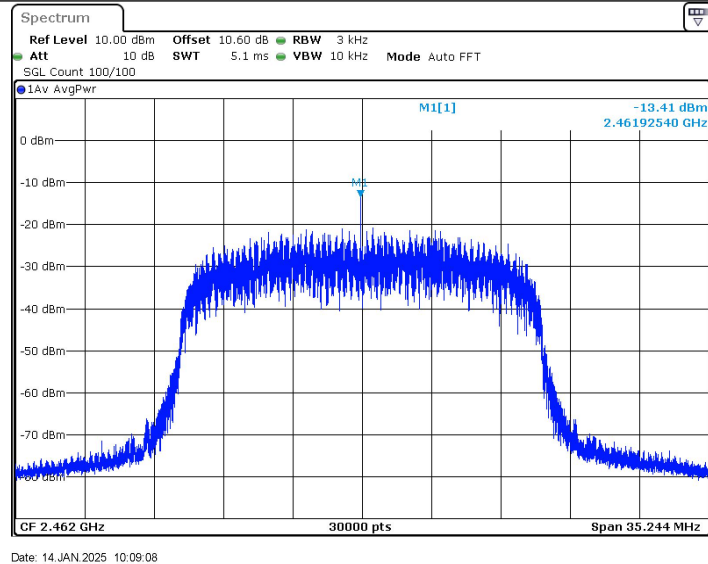


Date: 14 JAN 2025 10:06:25

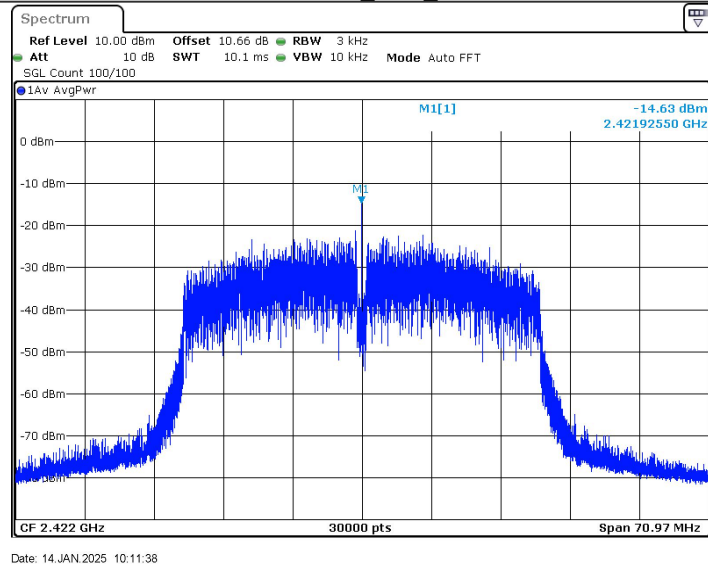
11N20SISO_Ant1_2437



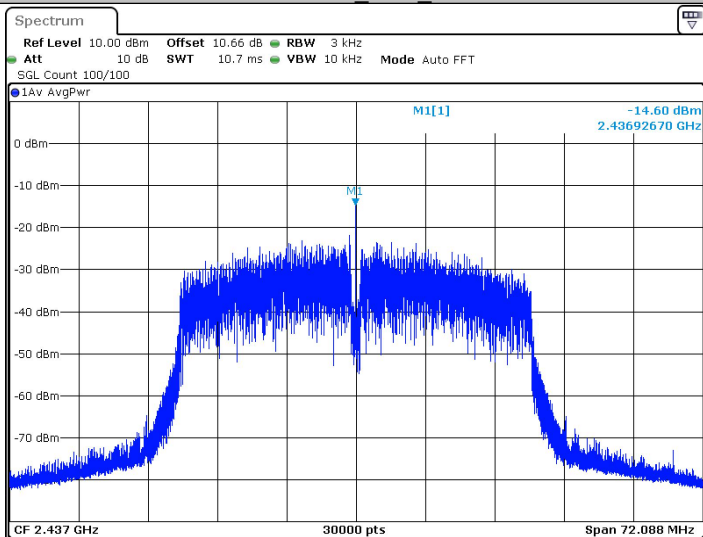
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422

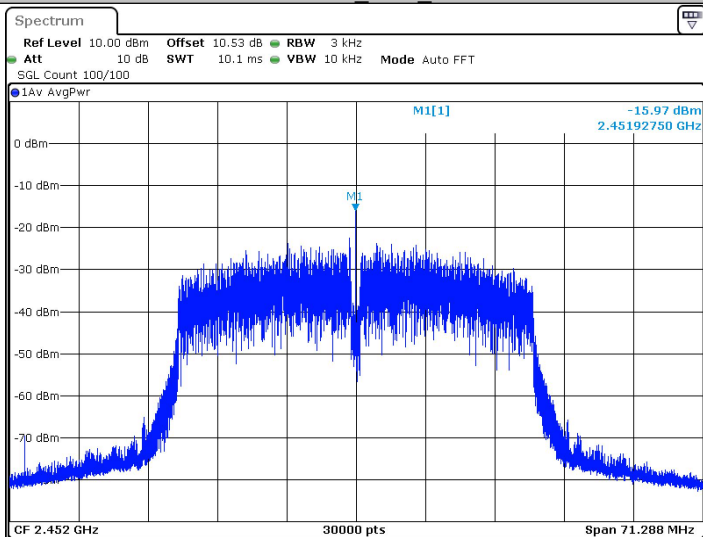


11N40SISO_Ant1_2437



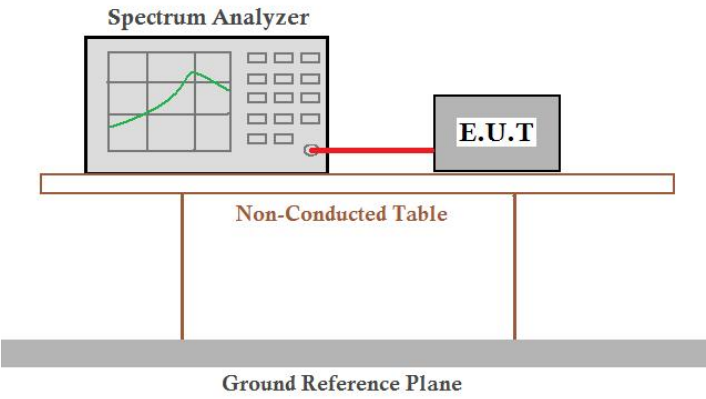
Date: 14 JAN 2025 10:17:04

11N40SISO_Ant1_2452



Date: 14 JAN 2025 10:19:09

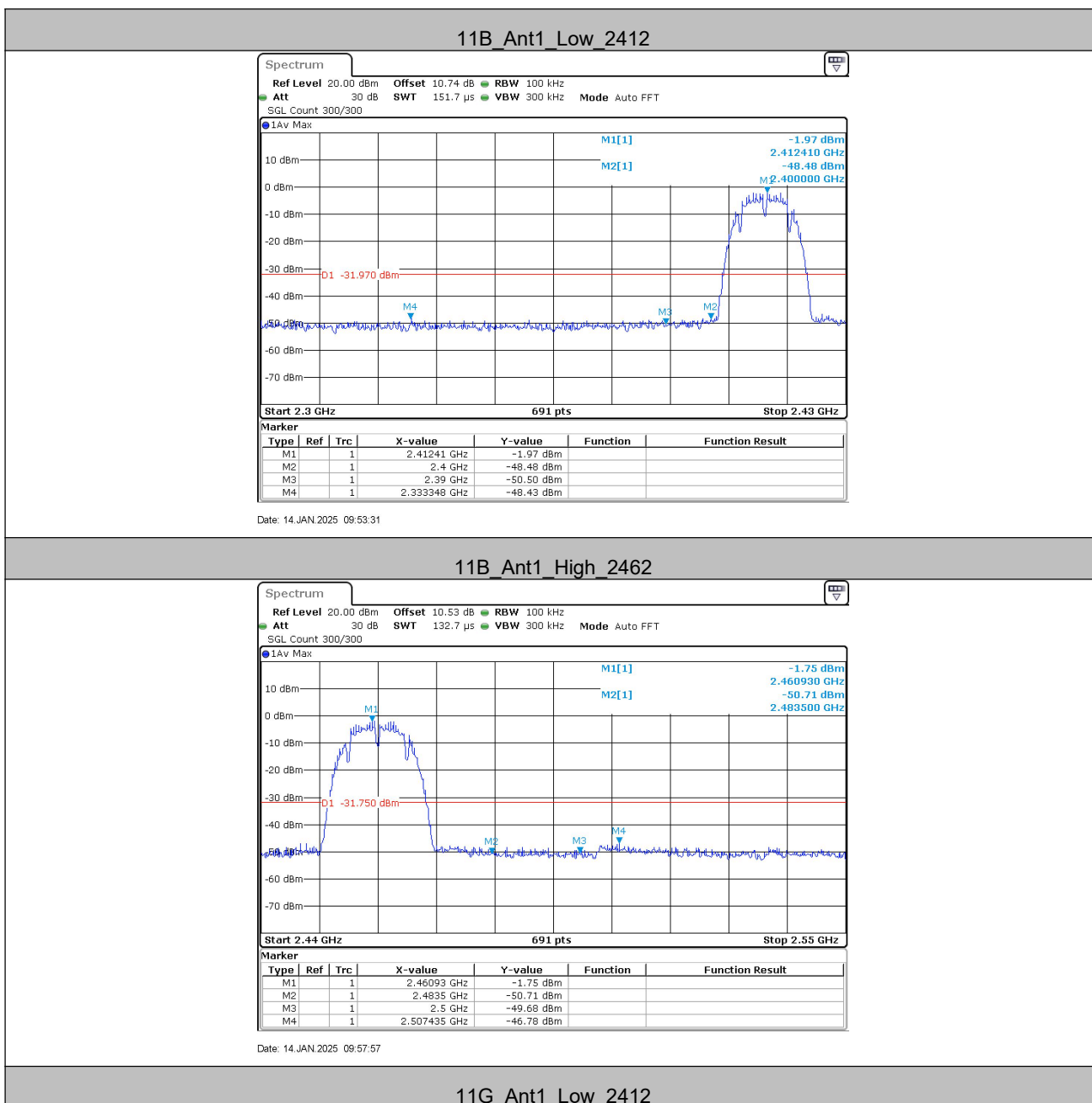
5.6 Band-edge for RF Conducted Emissions

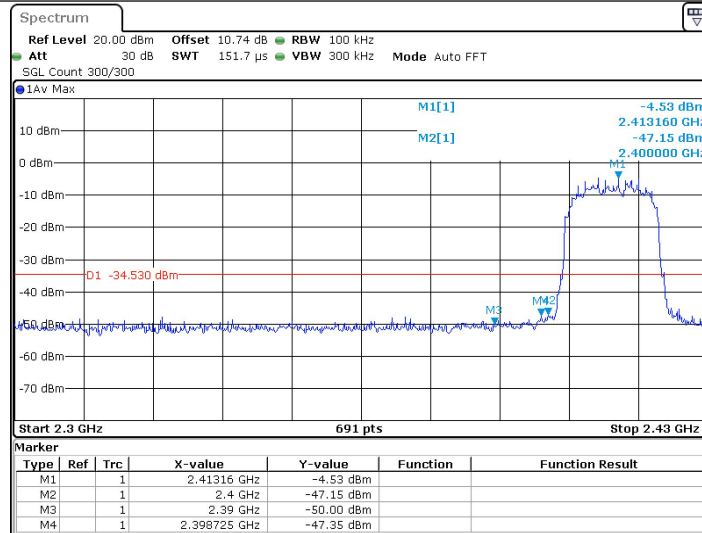
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	In any 100 kHz bandwidth 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

Test Result

TestMode	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Low	2412	-1.97	-48.43	≤ -31.97	PASS
	High	2462	-1.75	-46.78	≤ -31.75	PASS
11G	Low	2412	-4.53	-47.35	≤ -34.53	PASS
	High	2462	-4.22	-47.16	≤ -34.22	PASS
11N20SISO	Low	2412	-3.76	-46.1	≤ -33.76	PASS
	High	2462	-2.22	-46.85	≤ -32.22	PASS
11N40SISO	Low	2422	-8.31	-47.65	≤ -38.31	PASS
	High	2452	-8.96	-47.5	≤ -38.96	PASS

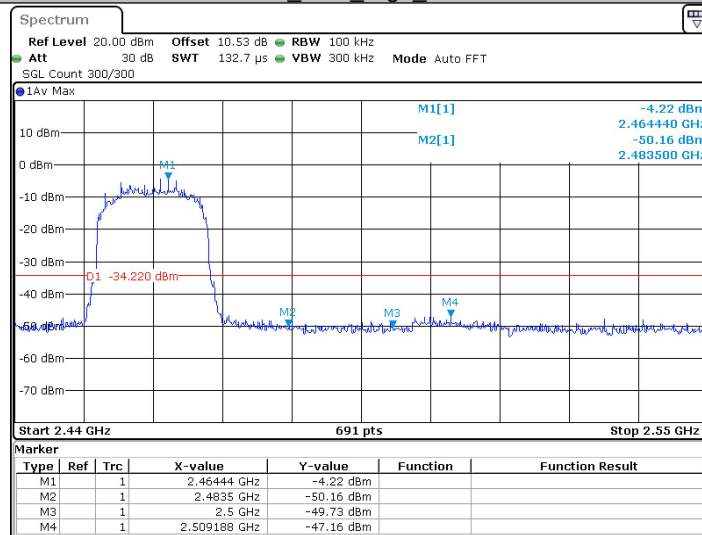
Test Graphs





Date: 14 JAN 2025 10:01:15

11G_Ant1_High_2462



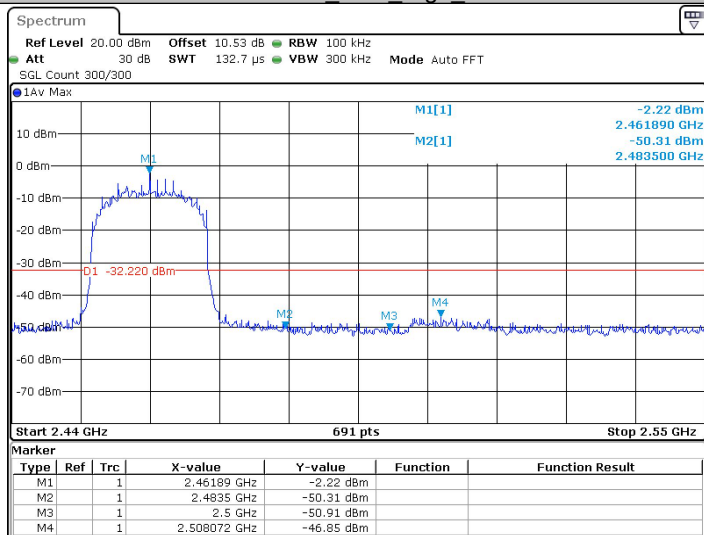
Date: 14 JAN 2025 10:04:53

11N20SISO_Ant1_Low_2412



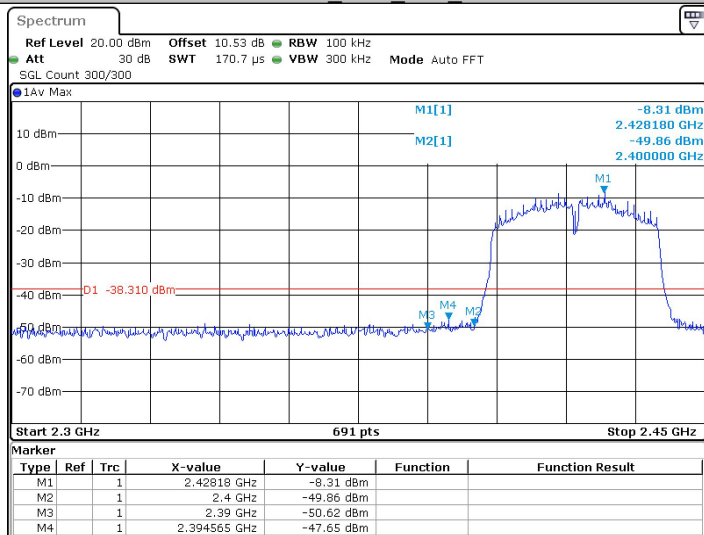
Date: 14 JAN 2025 10:06:33

11N20SISO_Ant1_High_2462



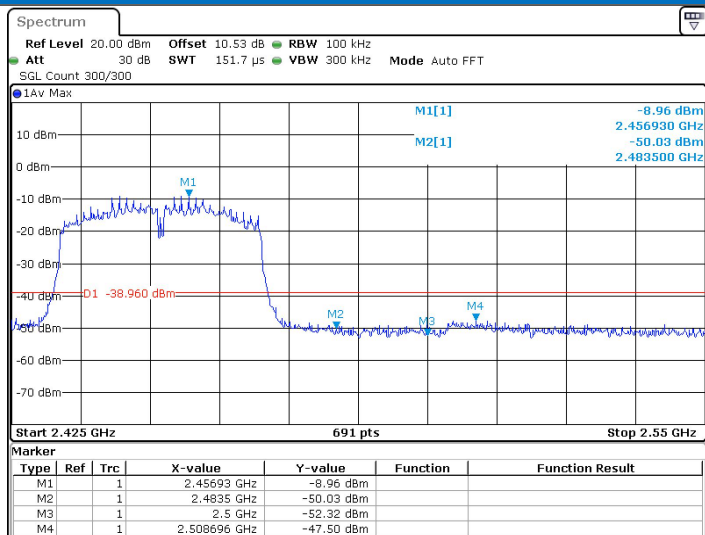
Date: 14 JAN 2025 10:09:16

11N40SISO_Ant1_Low_2422



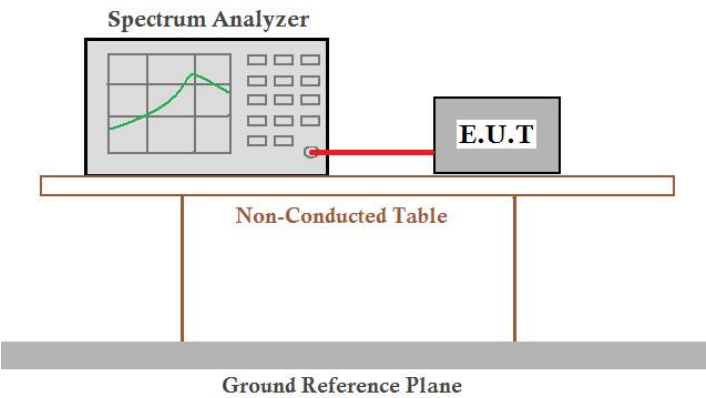
Date: 14 JAN 2025 10:11:47

11N40SISO_Ant1_High_2452



Date: 14 JAN 2025 10:19:17

5.7 RF Conducted Spurious Emissions

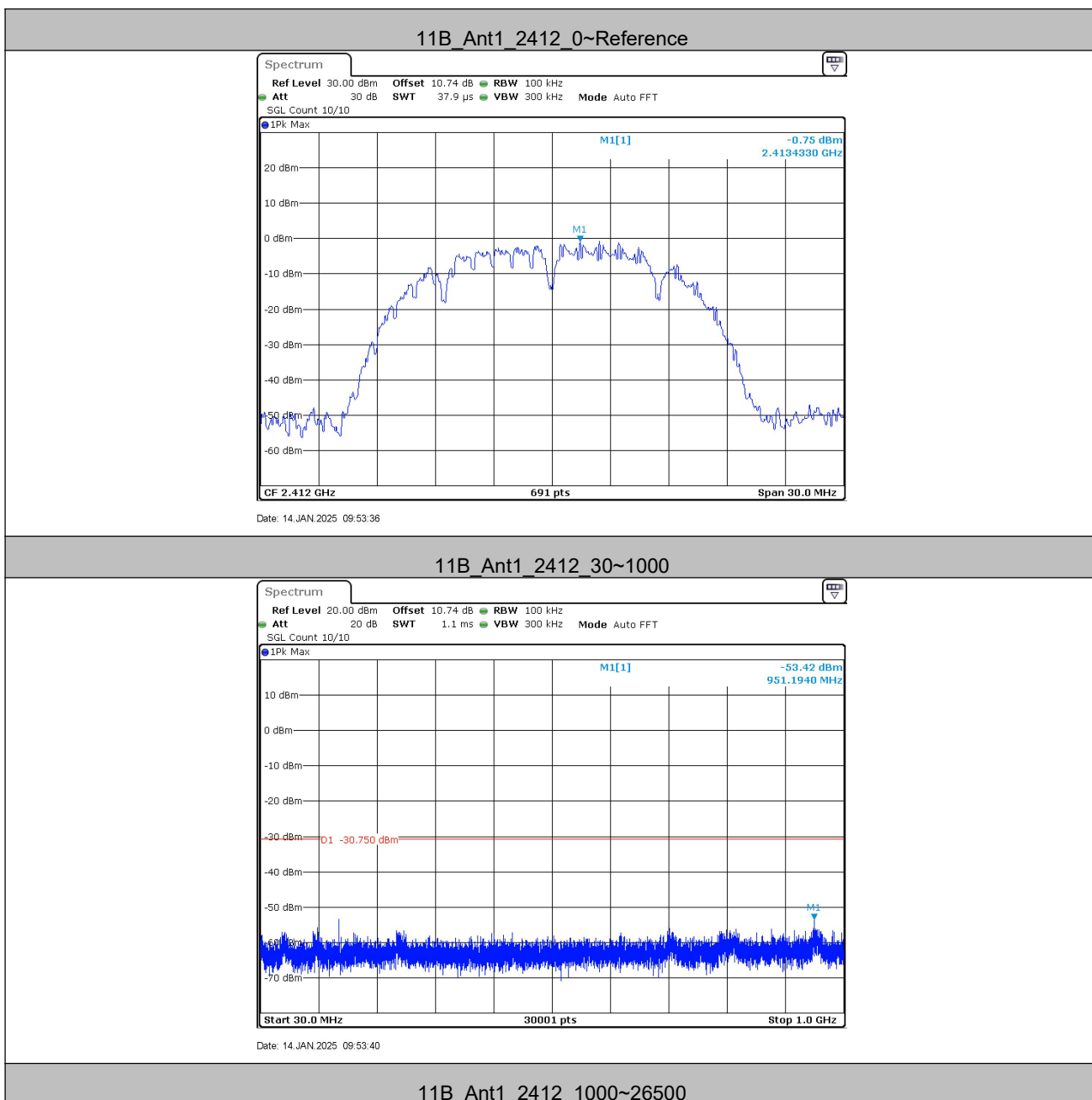
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	In any 100 kHz bandwidth 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

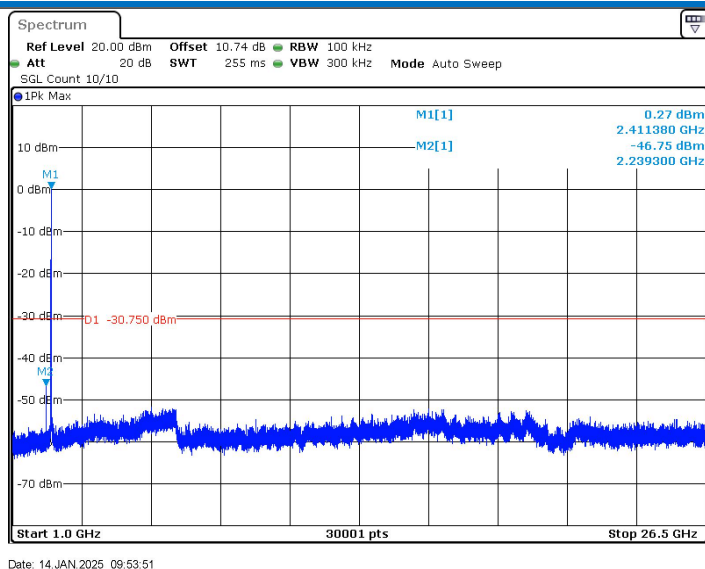
Test Result

TestMode	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	Reference	-0.75	-0.75	---	PASS
		30~1000	-0.75	-53.42	≤ -30.75	PASS
		1000~26500	-0.75	-46.75	≤ -30.75	PASS
	2437	Reference	-2.14	-2.14	---	PASS
		30~1000	-2.14	-51.58	≤ -32.14	PASS
		1000~26500	-2.14	-48.42	≤ -32.14	PASS
	2462	Reference	-0.82	-0.82	---	PASS
		30~1000	-0.82	-54.81	≤ -30.82	PASS
		1000~26500	-0.82	-47.93	≤ -30.82	PASS
11G	2412	Reference	-5.16	-5.16	---	PASS
		30~1000	-5.16	-53.6	≤ -35.16	PASS
		1000~26500	-5.16	-49.09	≤ -35.16	PASS
	2437	Reference	-5.81	-5.81	---	PASS
		30~1000	-5.81	-53.09	≤ -35.81	PASS
		1000~26500	-5.81	-49.28	≤ -35.81	PASS
	2462	Reference	-5.64	-5.64	---	PASS
		30~1000	-5.64	-54.51	≤ -35.64	PASS
		1000~26500	-5.64	-49.8	≤ -35.64	PASS
11N20SISO	2412	Reference	-4.12	-4.12	---	PASS
		30~1000	-4.12	-53.69	≤ -34.12	PASS
		1000~26500	-4.12	-48.32	≤ -34.12	PASS
	2437	Reference	-3.95	-3.95	---	PASS
		30~1000	-3.95	-54.57	≤ -33.95	PASS
		1000~26500	-3.95	-49.47	≤ -33.95	PASS
	2462	Reference	-2.94	-2.94	---	PASS
		30~1000	-2.94	-53.96	≤ -32.94	PASS
		1000~26500	-2.94	-49.23	≤ -32.94	PASS
11N40SISO	2422	Reference	-9.12	-9.12	---	PASS
		30~1000	-9.12	-52.92	≤ -39.12	PASS
		1000~26500	-9.12	-50.69	≤ -39.12	PASS
	2437	Reference	-8.19	-8.19	---	PASS
		30~1000	-8.19	-52.75	≤ -38.19	PASS
		1000~26500	-8.19	-49.39	≤ -38.19	PASS
	2452	Reference	-8.74	-8.74	---	PASS

		30~1000	-8.74	-53.05	≤ -38.74	PASS
		1000~26500	-8.74	-48.49	≤ -38.74	PASS

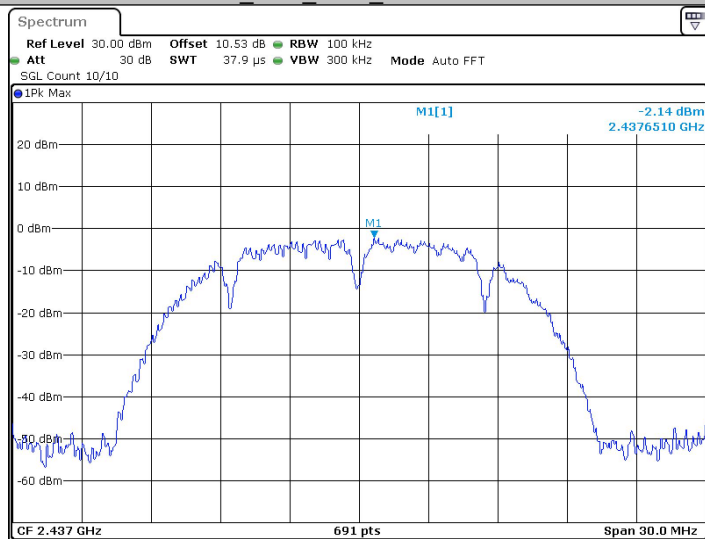
Test Graphs





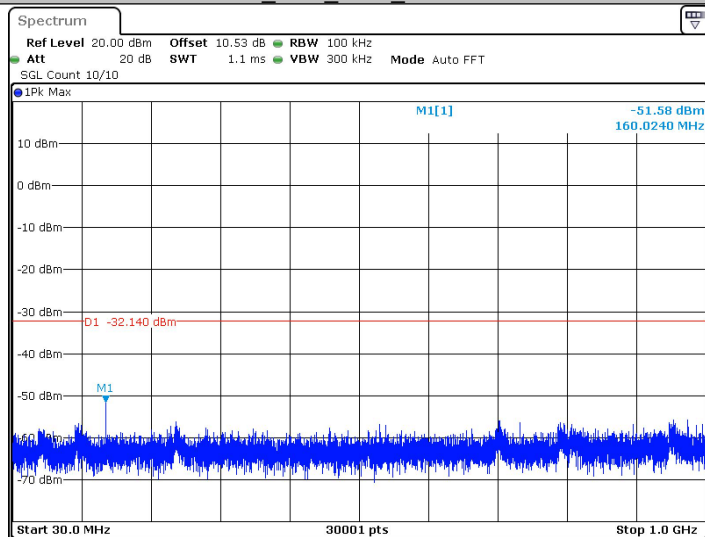
Date: 14 JAN 2025 09:53:51

11B_Ant1_2437_0~Reference



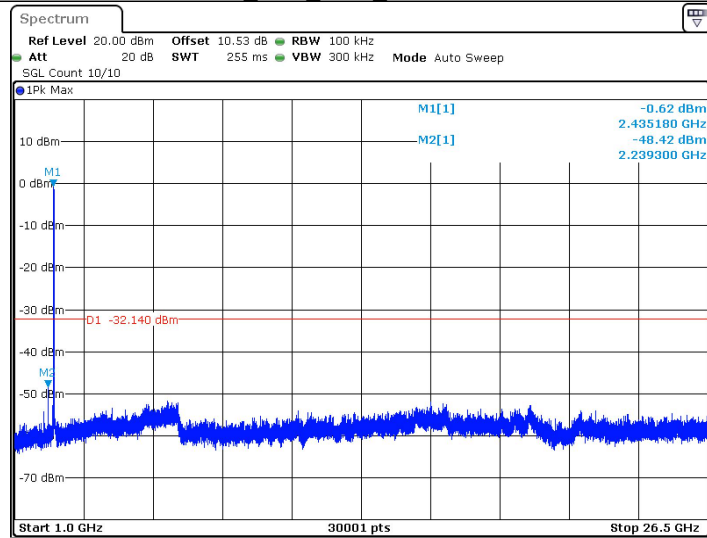
Date: 14 JAN 2025 09:56:43

11B_Ant1_2437_30~1000



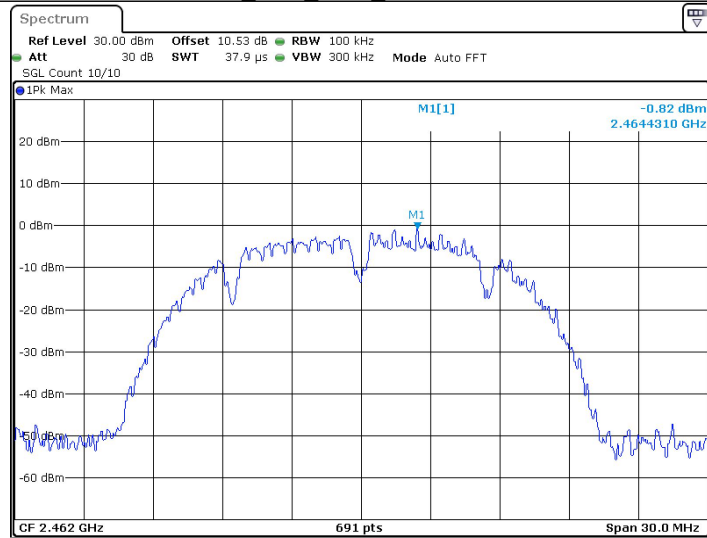
Date: 14 JAN 2025 09:56:47

11B_Ant1_2437_1000~26500



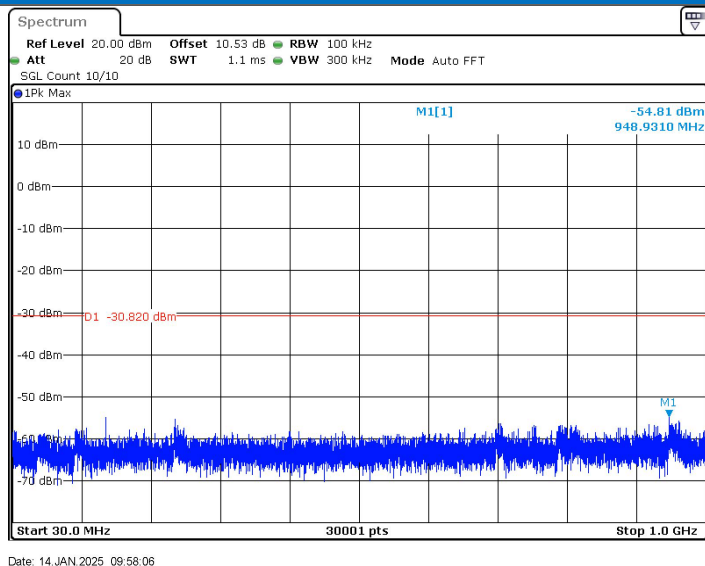
Date: 14 JAN 2025 09:56:58

11B_Ant1_2462_0~Reference

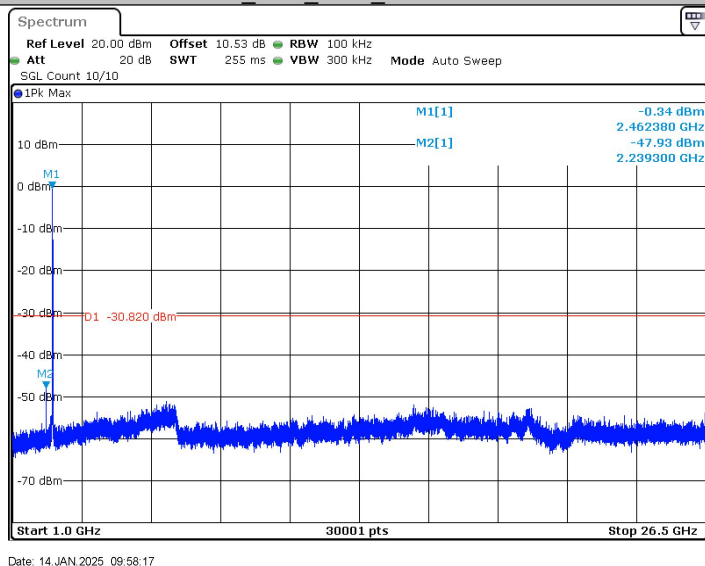


Date: 14 JAN 2025 09:58:02

11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

