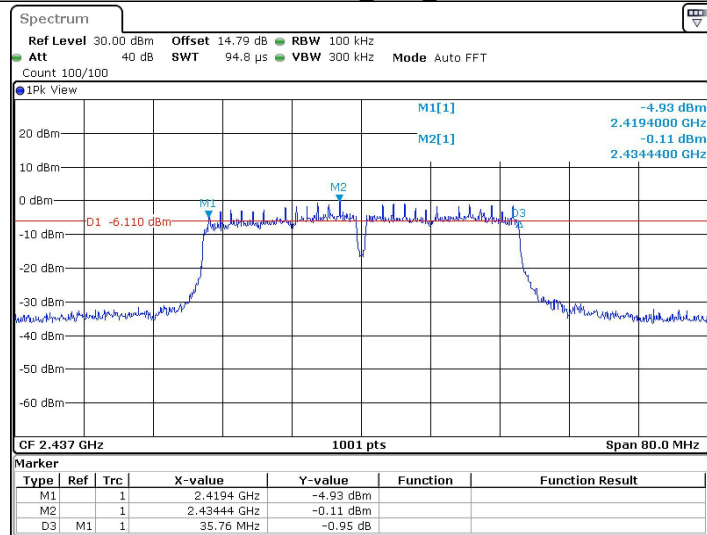
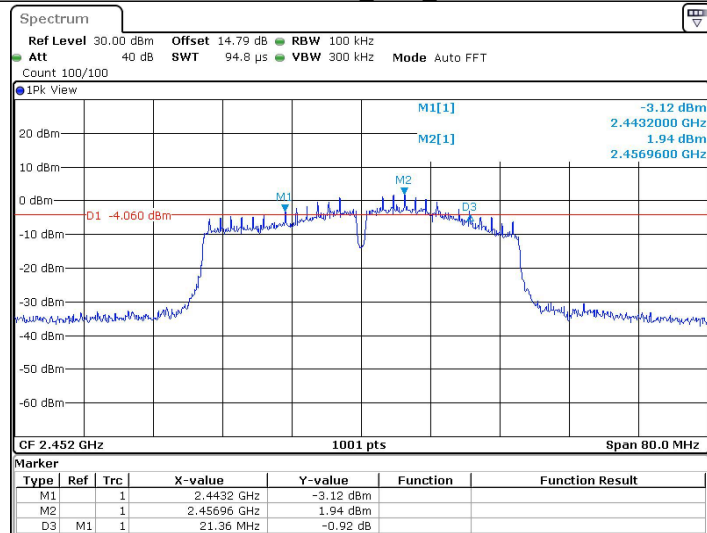


11N40SISO_Ant1_2437



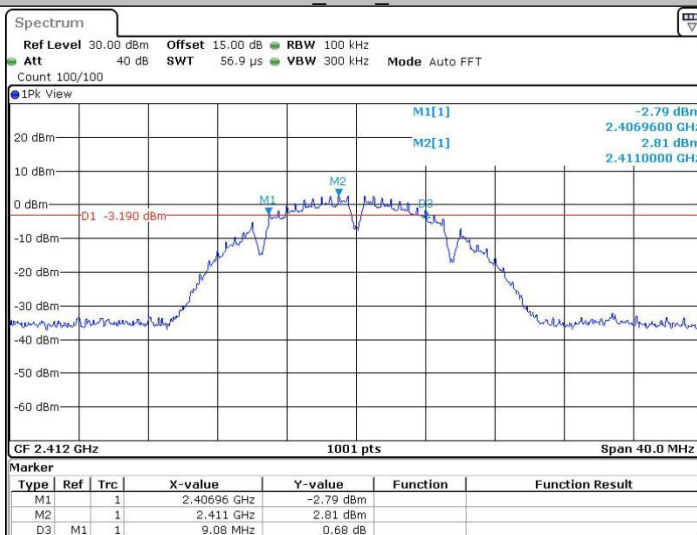
Date: 4.SEP.2024 10:19:31

11N40SISO_Ant1_2452



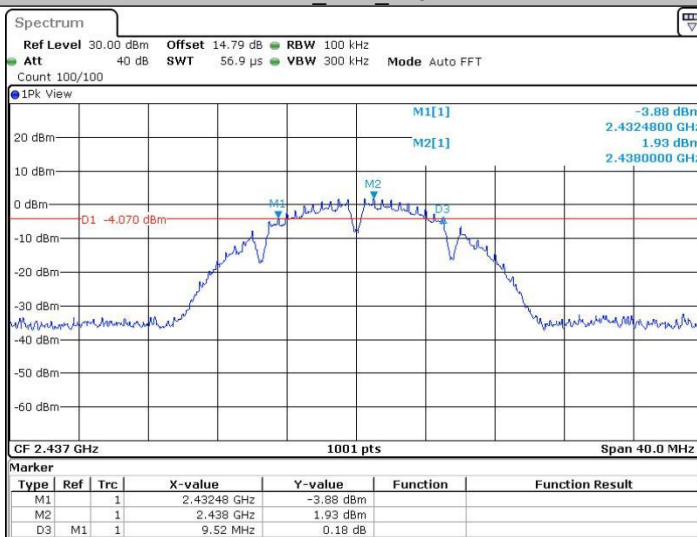
Date: 4.SEP.2024 10:21:26

11B_Ant2_2412



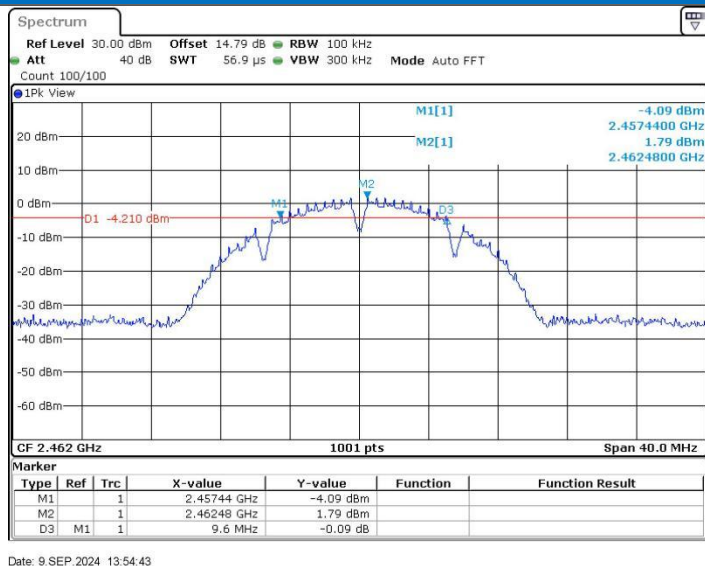
Date: 9 SEP.2024 14:12:28

11B_Ant2_2437

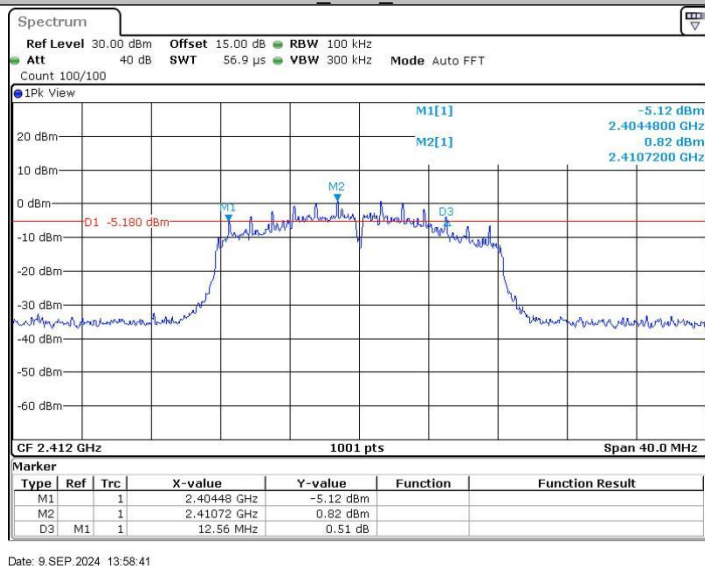


Date: 9 SEP.2024 13:53:13

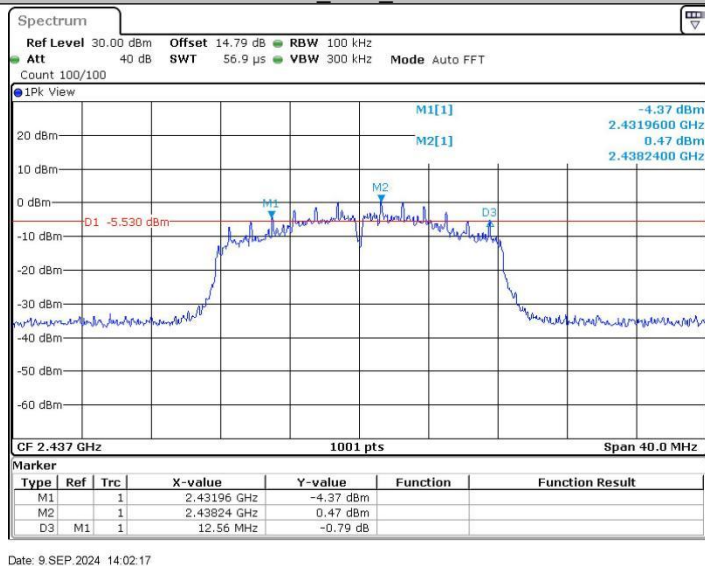
11B_Ant2_2462



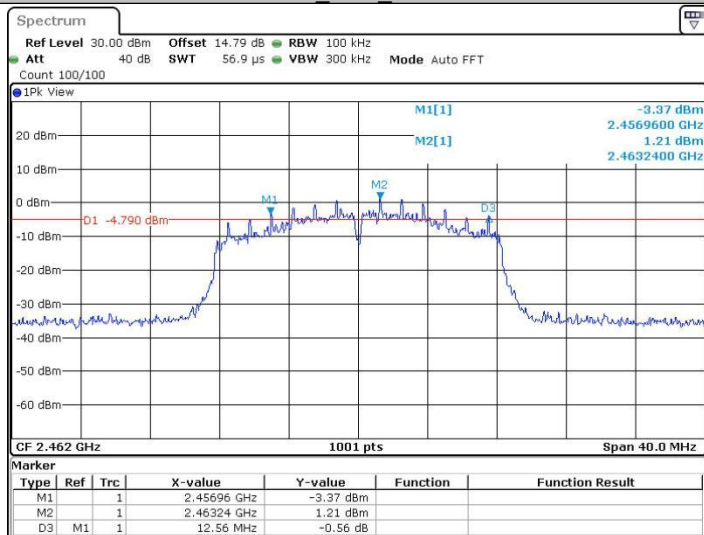
11G_Ant2_2412



11G_Ant2_2437

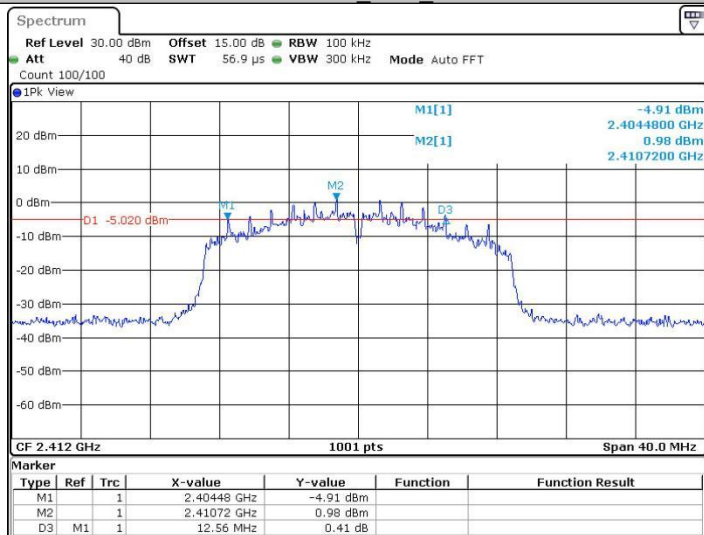


11G_Ant2_2462



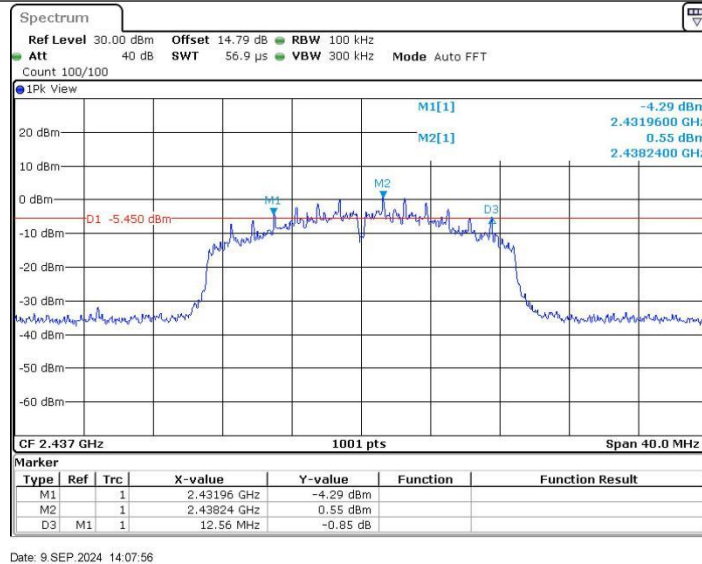
Date: 9 SEP.2024 14:03:45

11N20SISO_Ant2_2412

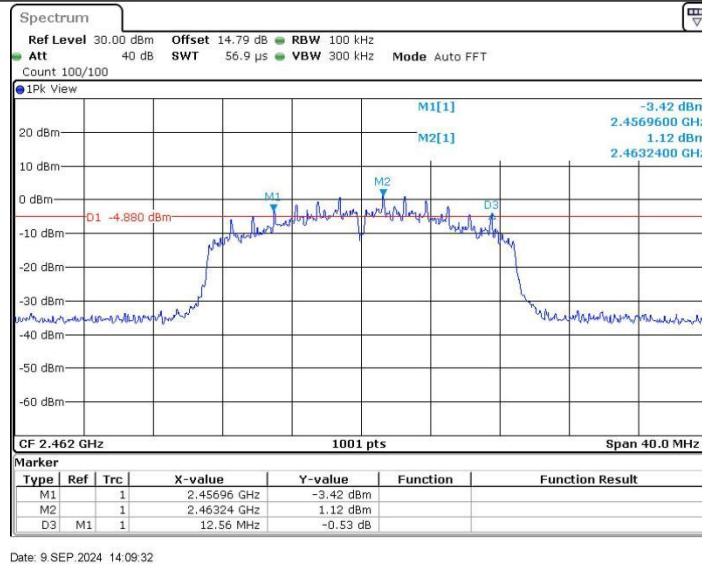


Date: 9 SEP.2024 14:05:49

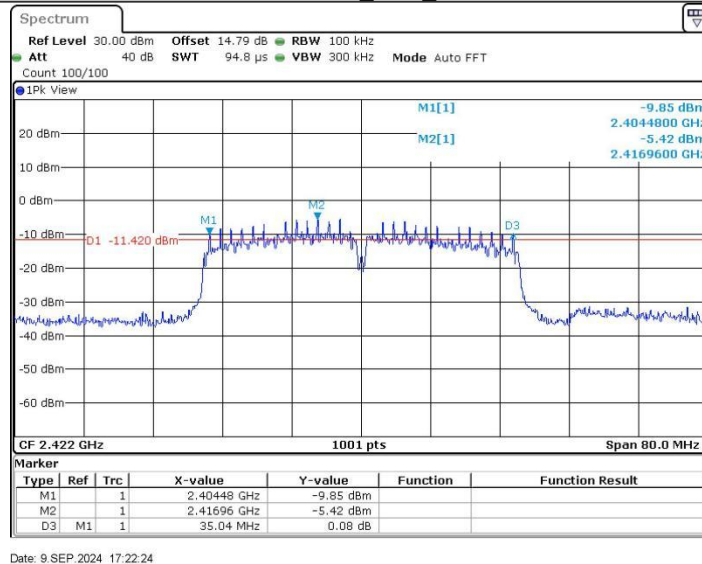
11N20SISO_Ant2_2437



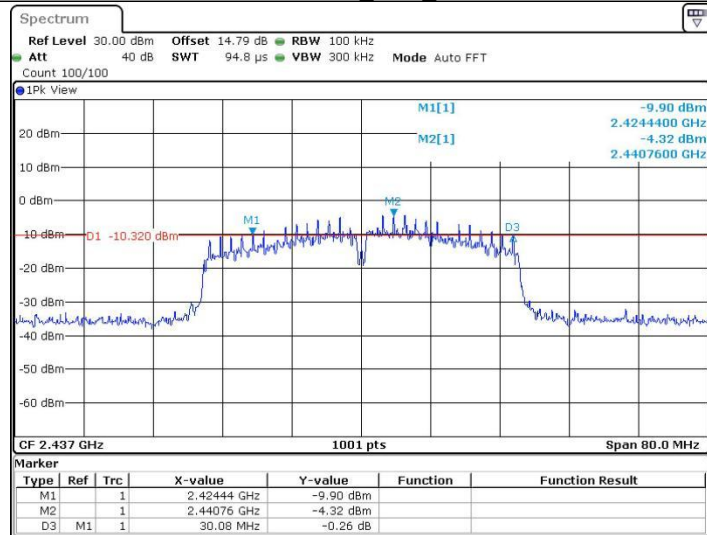
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422

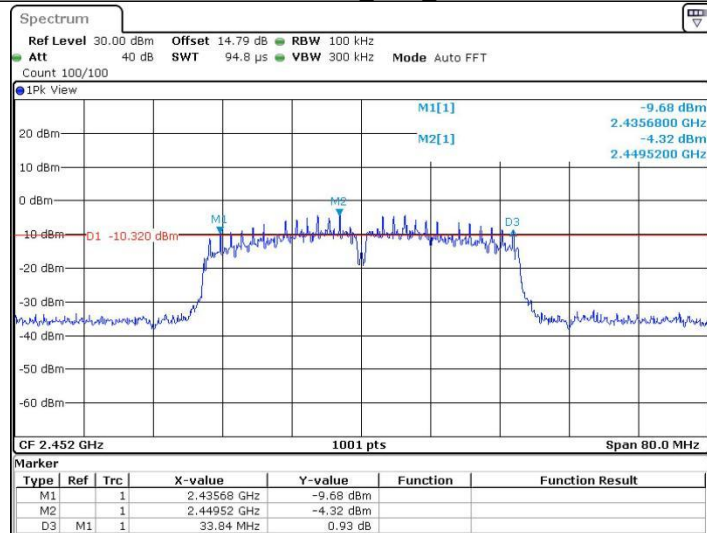


11N40SISO_Ant2_2437



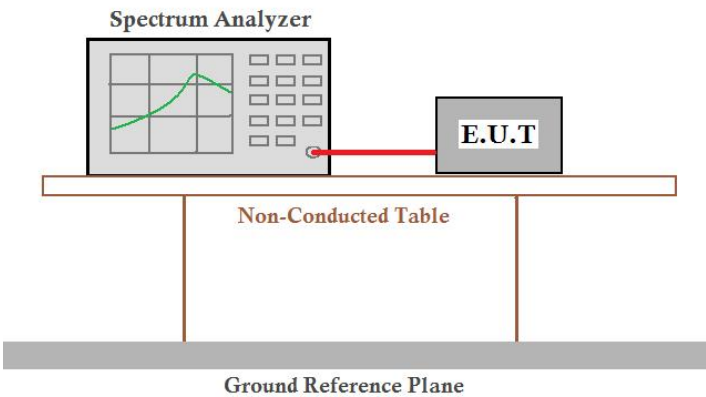
Date: 9.SEP.2024 17:24:11

11N40SISO_Ant2_2452



Date: 9.SEP.2024 17:25:55

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	-18.73	≤8.00	PASS
	2437	-17.97	≤8.00	PASS
	2462	-18.04	≤8.00	PASS
11G	2412	-19.56	≤8.00	PASS
	2437	-19.28	≤8.00	PASS
	2462	-18.15	≤8.00	PASS
11N20SISO	2412	-19.54	≤8.00	PASS
	2437	-19.29	≤8.00	PASS
	2462	-18.33	≤8.00	PASS
11N40SISO	2422	-21.37	≤8.00	PASS
	2437	-21.28	≤8.00	PASS
	2452	-20.23	≤8.00	PASS

ANT2:

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-15.01	≤8.00	PASS
	2437	-15.6	≤8.00	PASS
	2462	-15.08	≤8.00	PASS
11G	2412	-15.69	≤8.00	PASS
	2437	-16.14	≤8.00	PASS
	2462	-14.76	≤8.00	PASS
11N20SISO	2412	-16.69	≤8.00	PASS
	2437	-16.75	≤8.00	PASS
	2462	-16.3	≤8.00	PASS
11N40SISO	2422	-20.13	≤8.00	PASS
	2437	-19.19	≤8.00	PASS
	2452	-18.1	≤8.00	PASS

ANT1+ANT2:

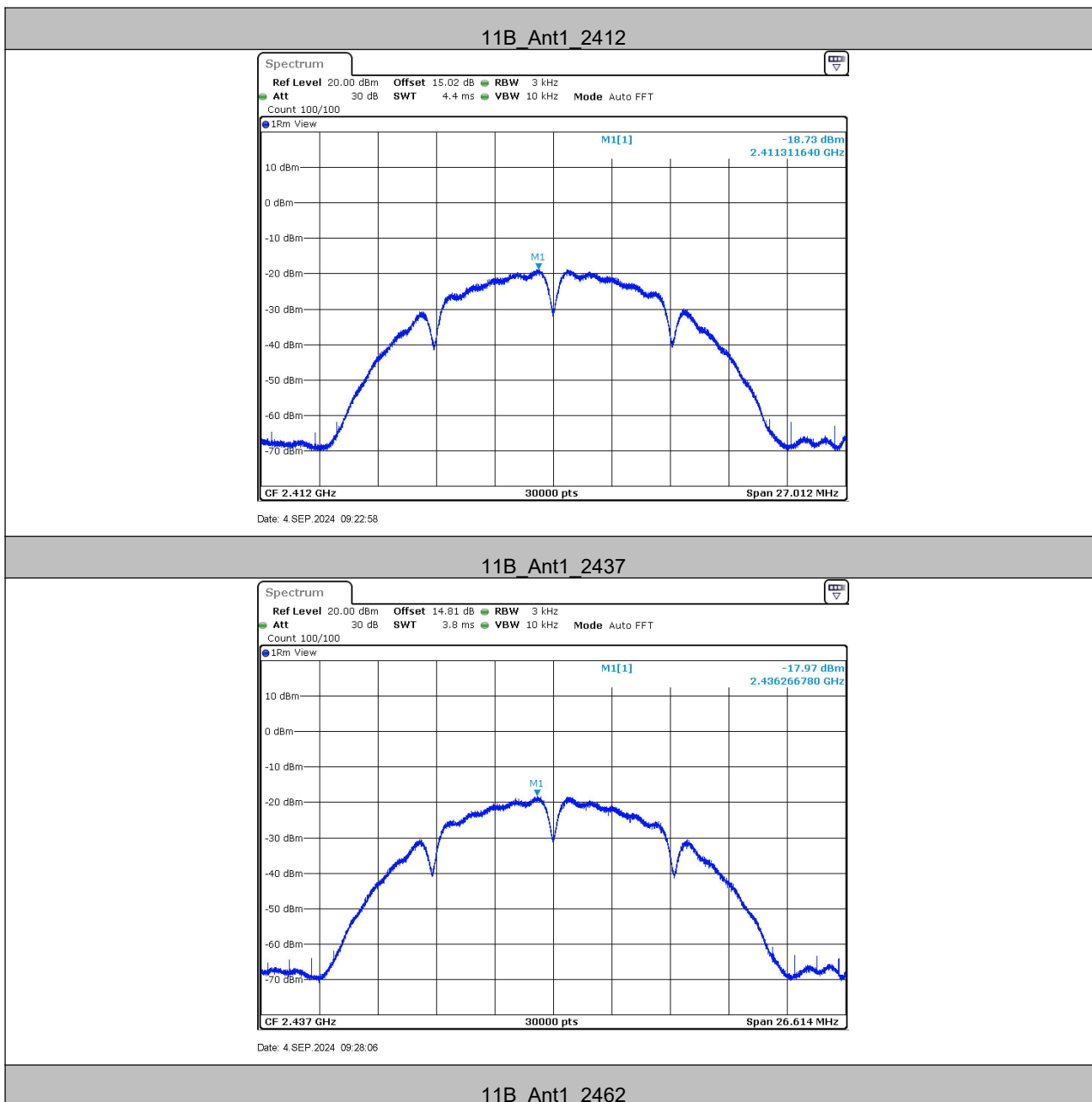
TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11N20MIMO	2412	-14.87	≤ 7.37	PASS
	2437	-14.83	≤ 7.37	PASS
	2462	-14.19	≤ 7.37	PASS
11N40MIMO	2422	-17.70	≤ 7.37	PASS
	2437	-17.10	≤ 7.37	PASS
	2452	-16.03	≤ 7.37	PASS

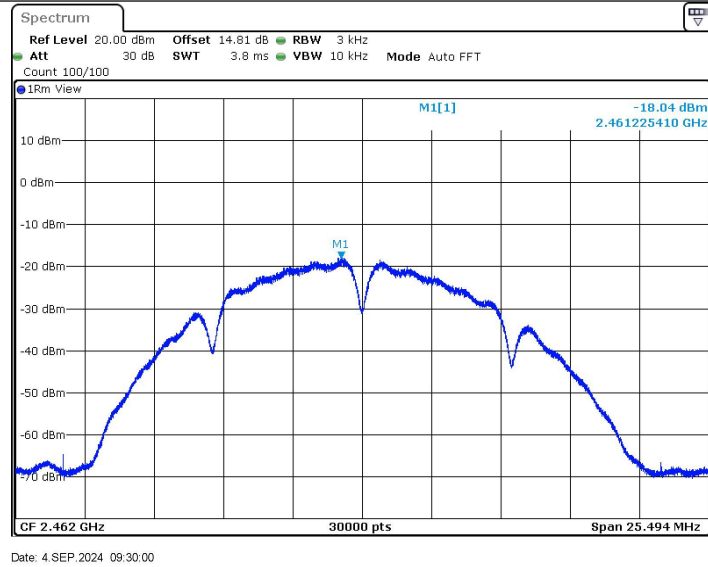
Note:

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

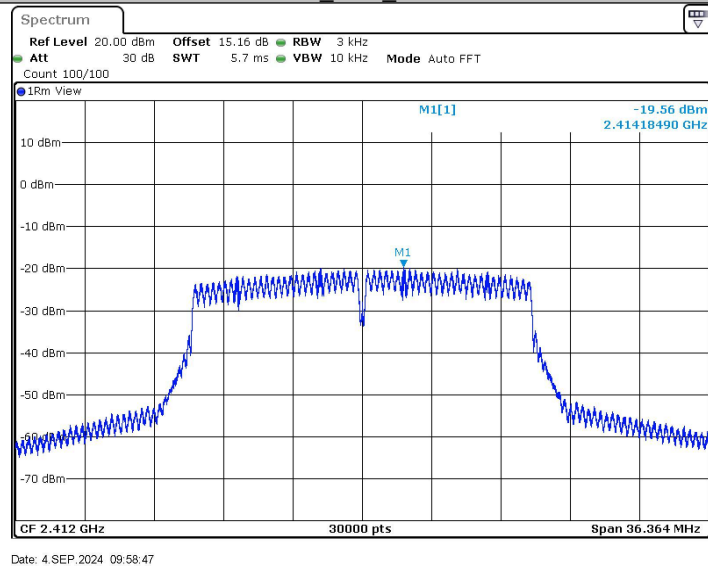
MIMO limit=limit-(Gain-6dBi)=8-(8.63-6)=8-2.63=7.37dBm

Test Graphs

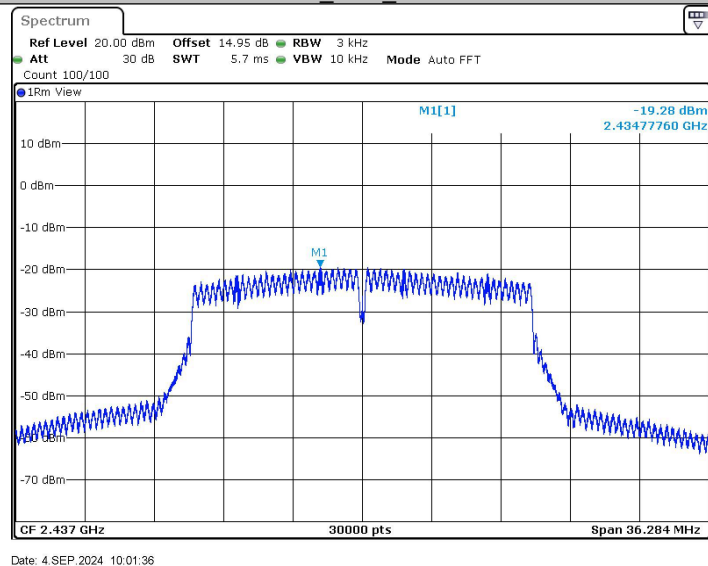




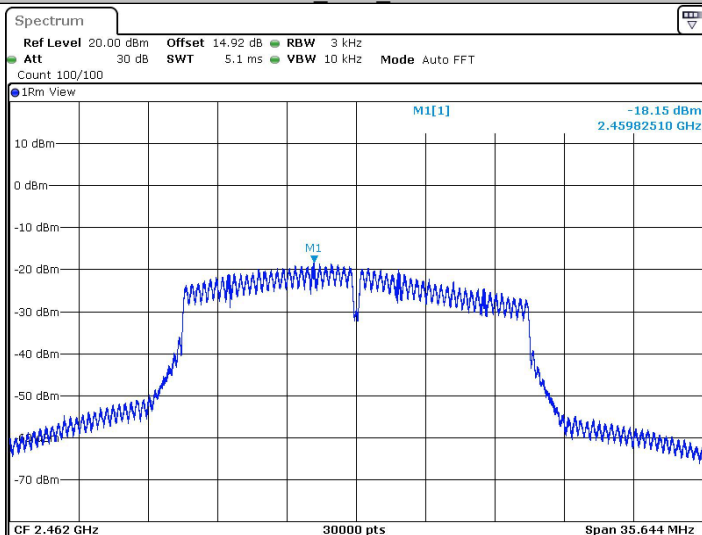
11G_Ant1_2412



11G_Ant1_2437

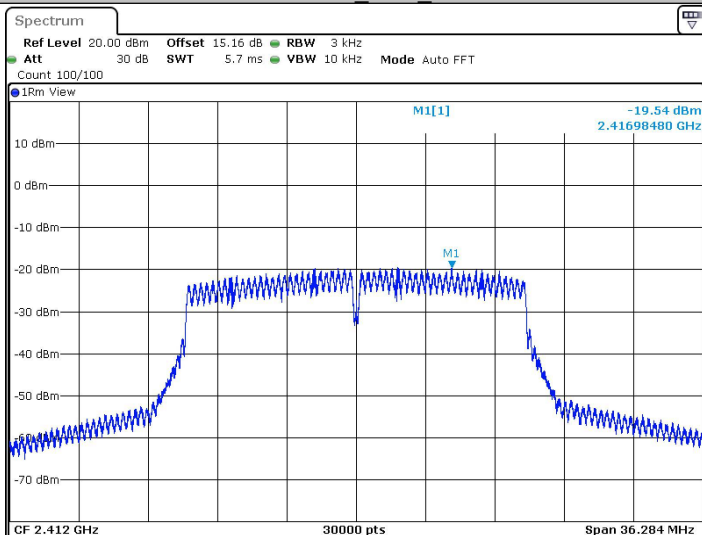


11G_Ant1_2462



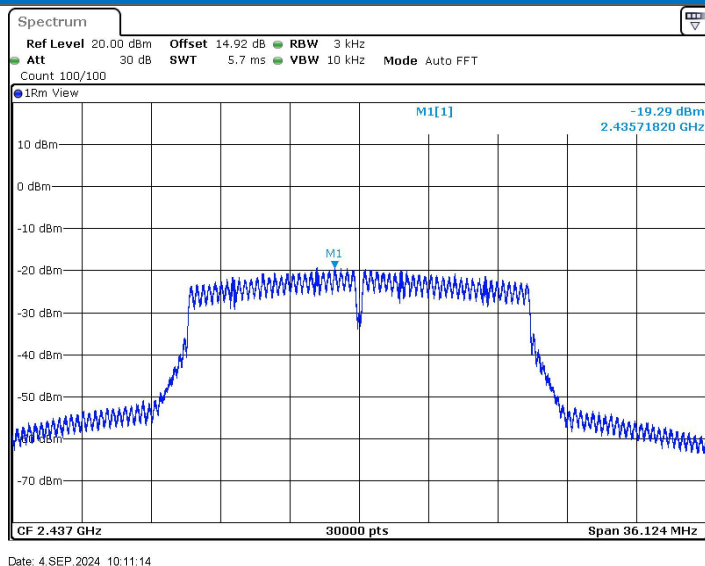
Date: 4.SEP.2024 10:04:14

11N20SISO_Ant1_2412

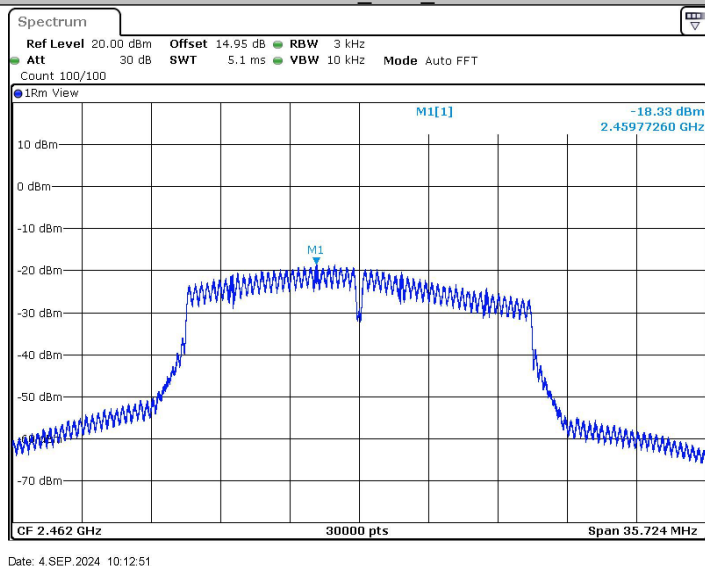


Date: 4.SEP.2024 10:07:24

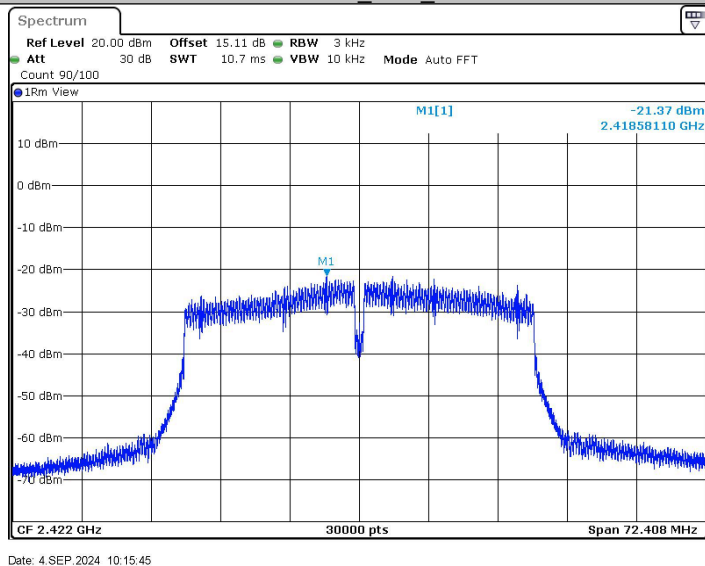
11N20SISO_Ant1_2437



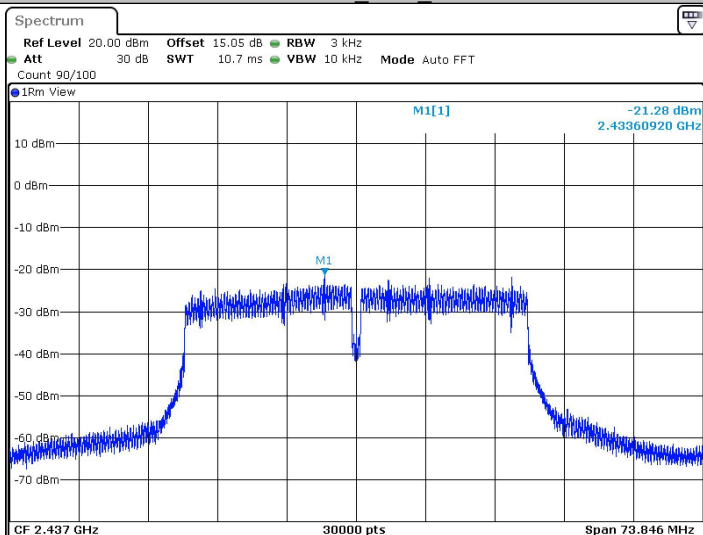
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422

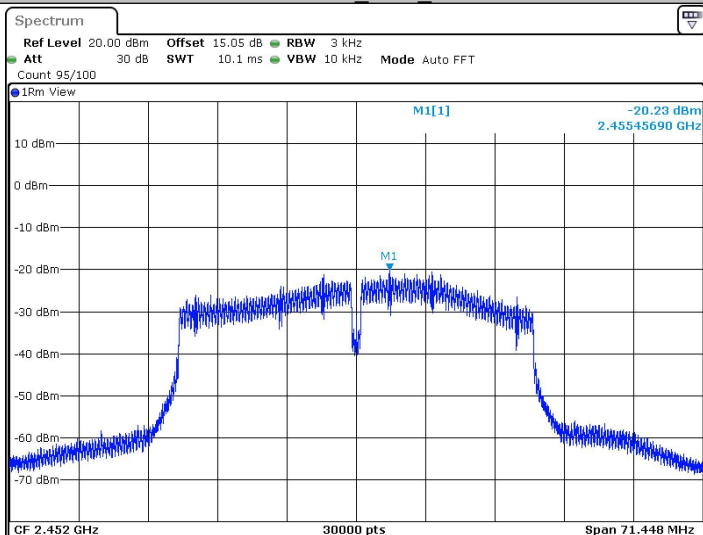


11N40SISO_Ant1_2437



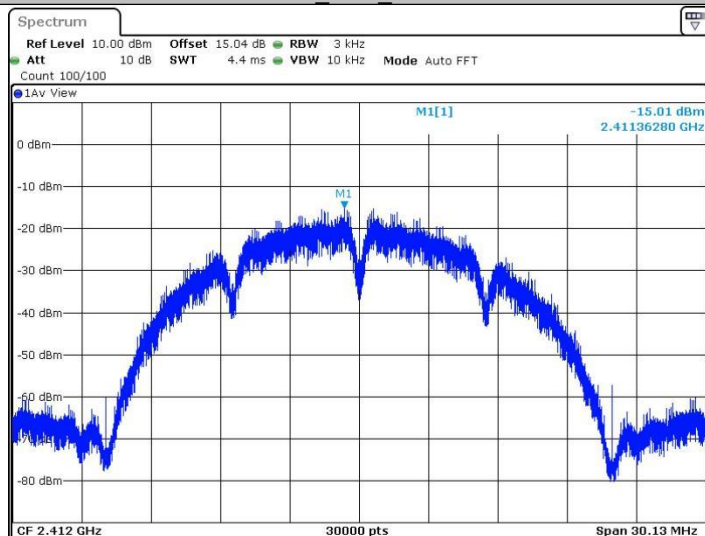
Date: 4.SEP.2024 10:19:52

11N40SISO_Ant1_2452



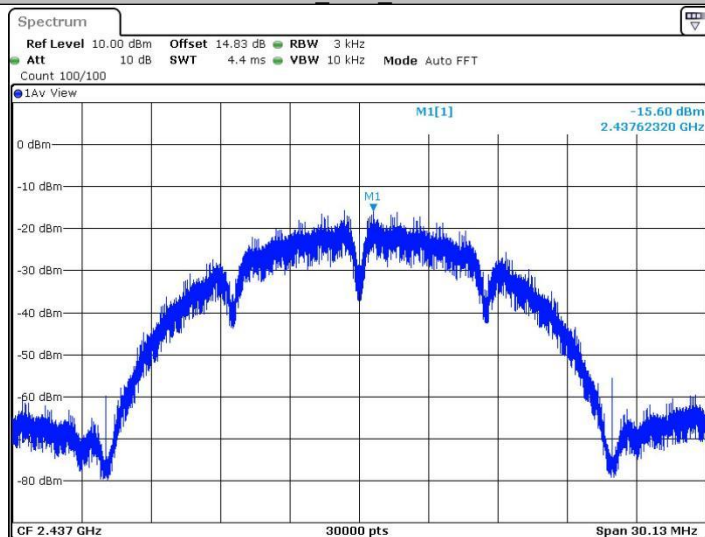
Date: 4.SEP.2024 10:21:47

11B_Ant2_2412



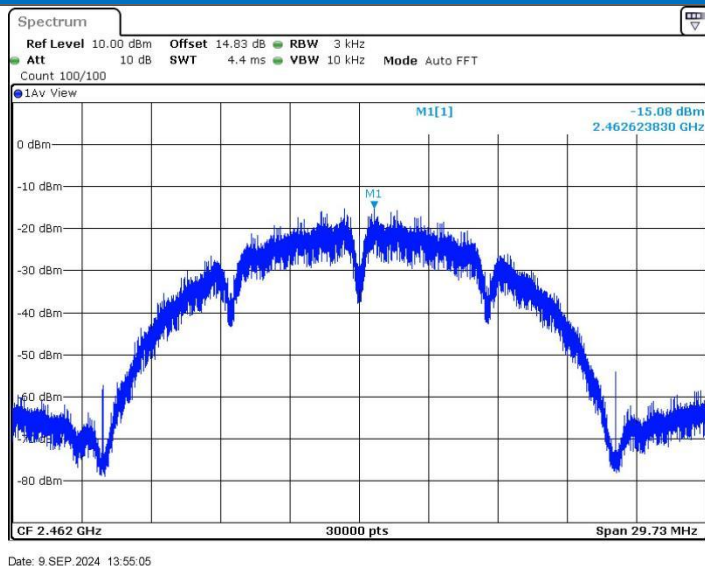
Date: 9 SEP.2024 14:12:49

11B_Ant2_2437

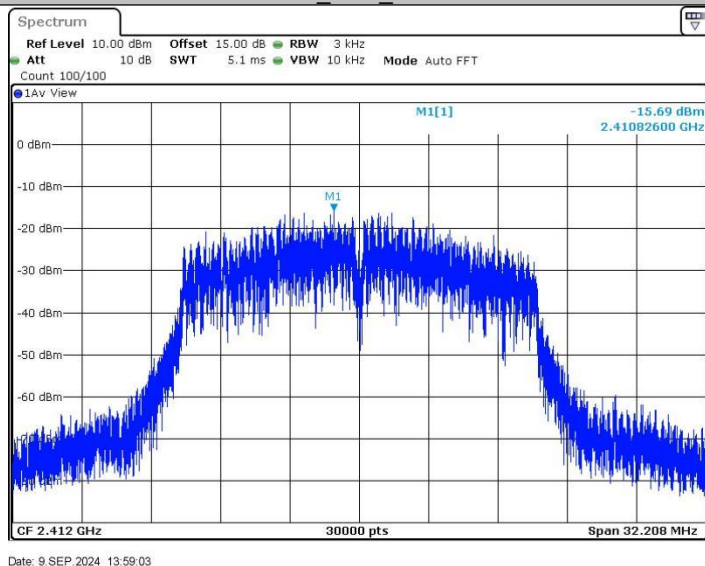


Date: 9 SEP.2024 13:53:34

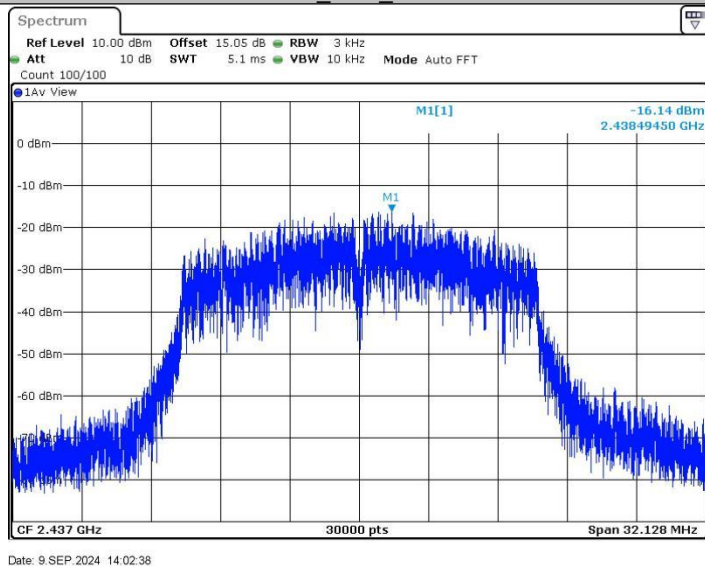
11B_Ant2_2462



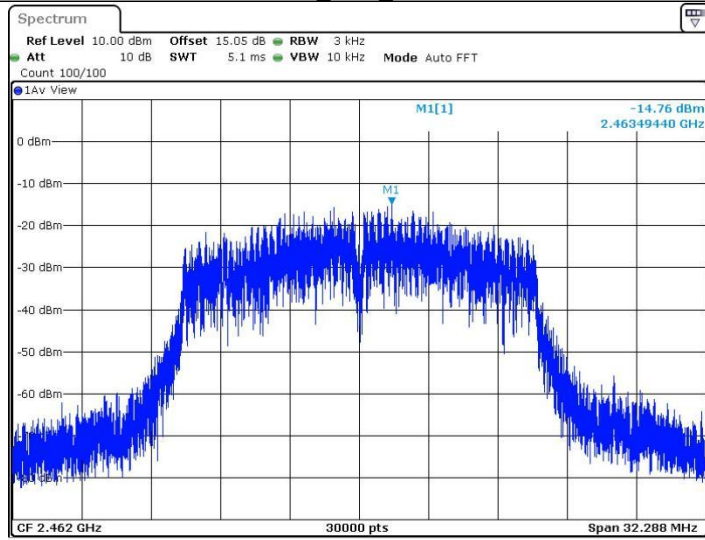
11G_Ant2_2412



11G_Ant2_2437

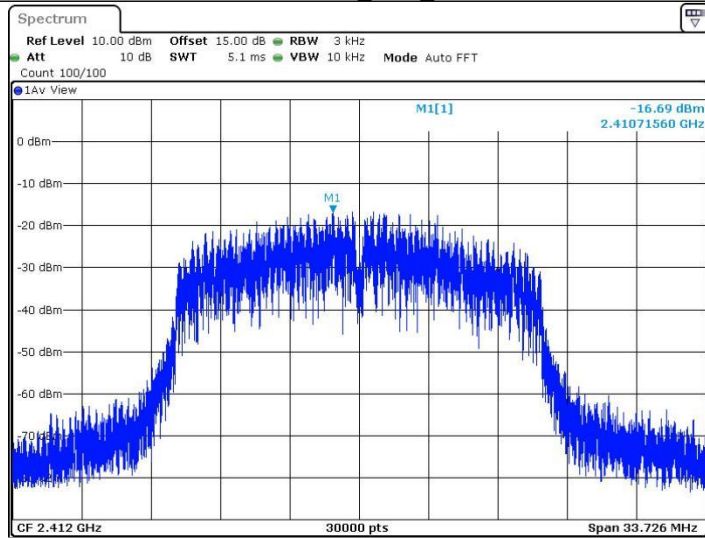


11G_Ant2_2462



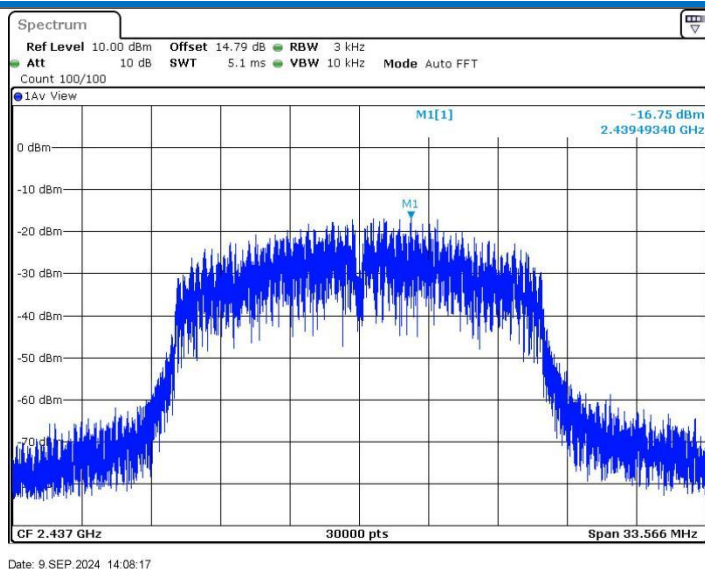
Date: 9 SEP.2024 14:04:07

11N20SISO_Ant2_2412

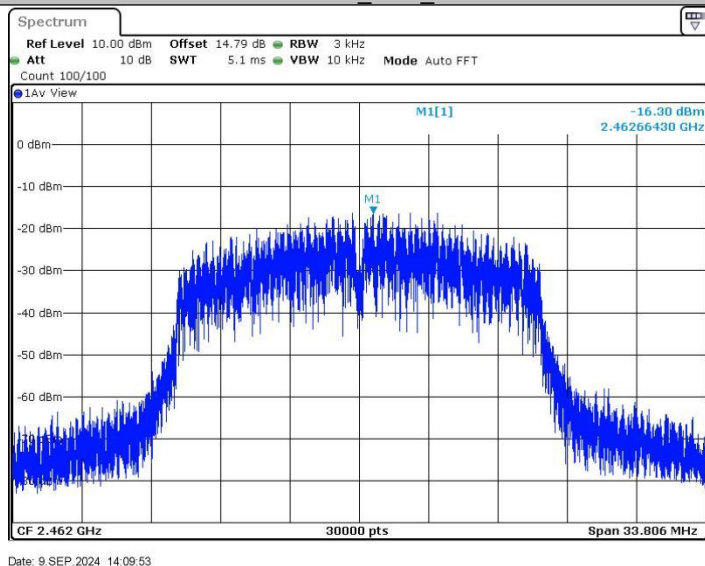


Date: 9 SEP.2024 14:06:10

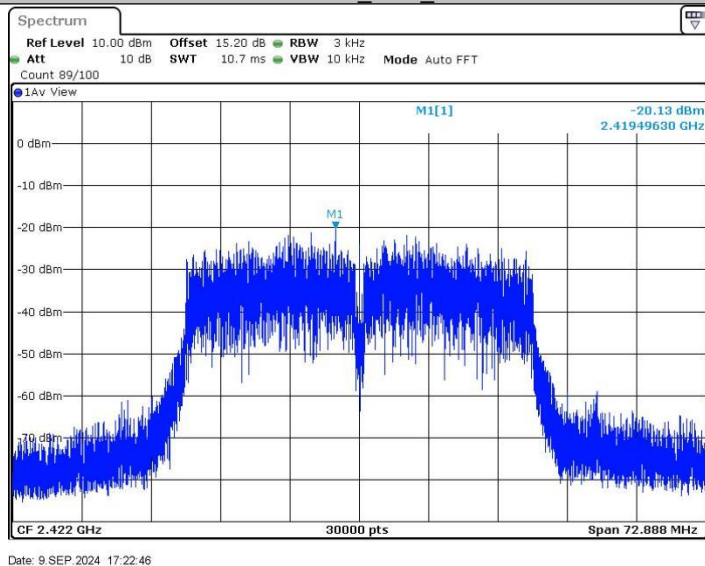
11N20SISO_Ant2_2437



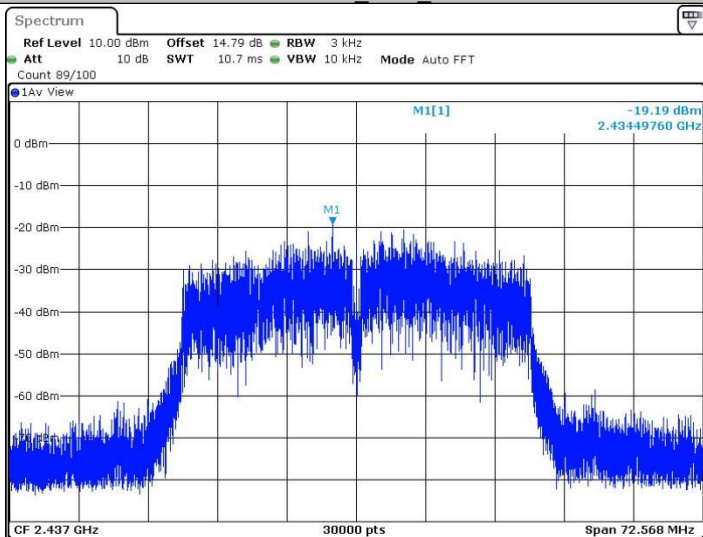
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422

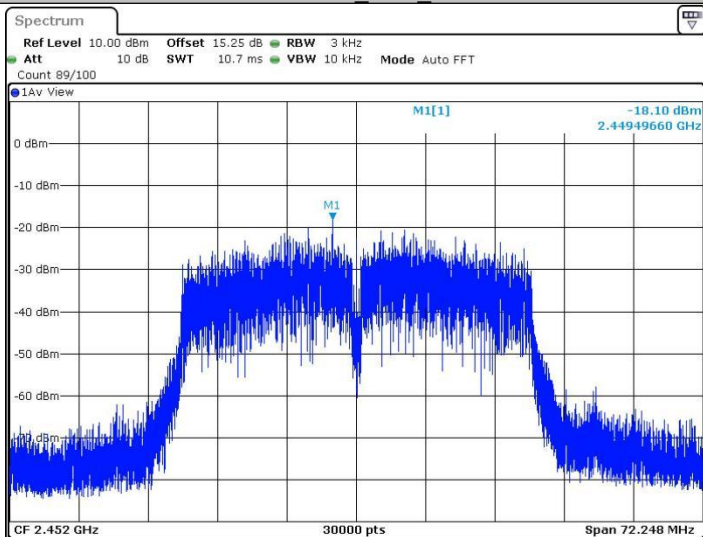


11N40SISO_Ant2_2437



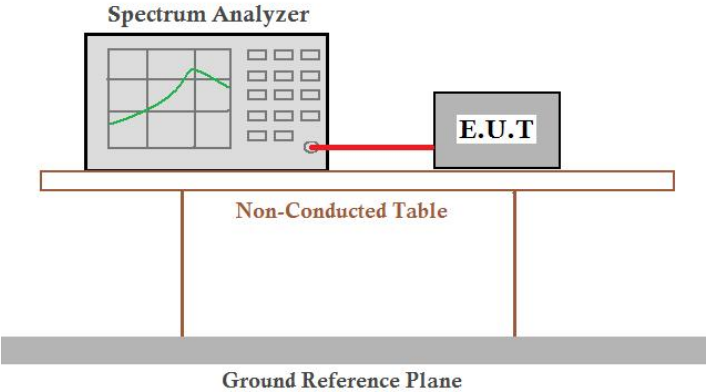
Date: 9.SEP.2024 17:24:32

11N40SISO_Ant2_2452



Date: 9.SEP.2024 17:26:16

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

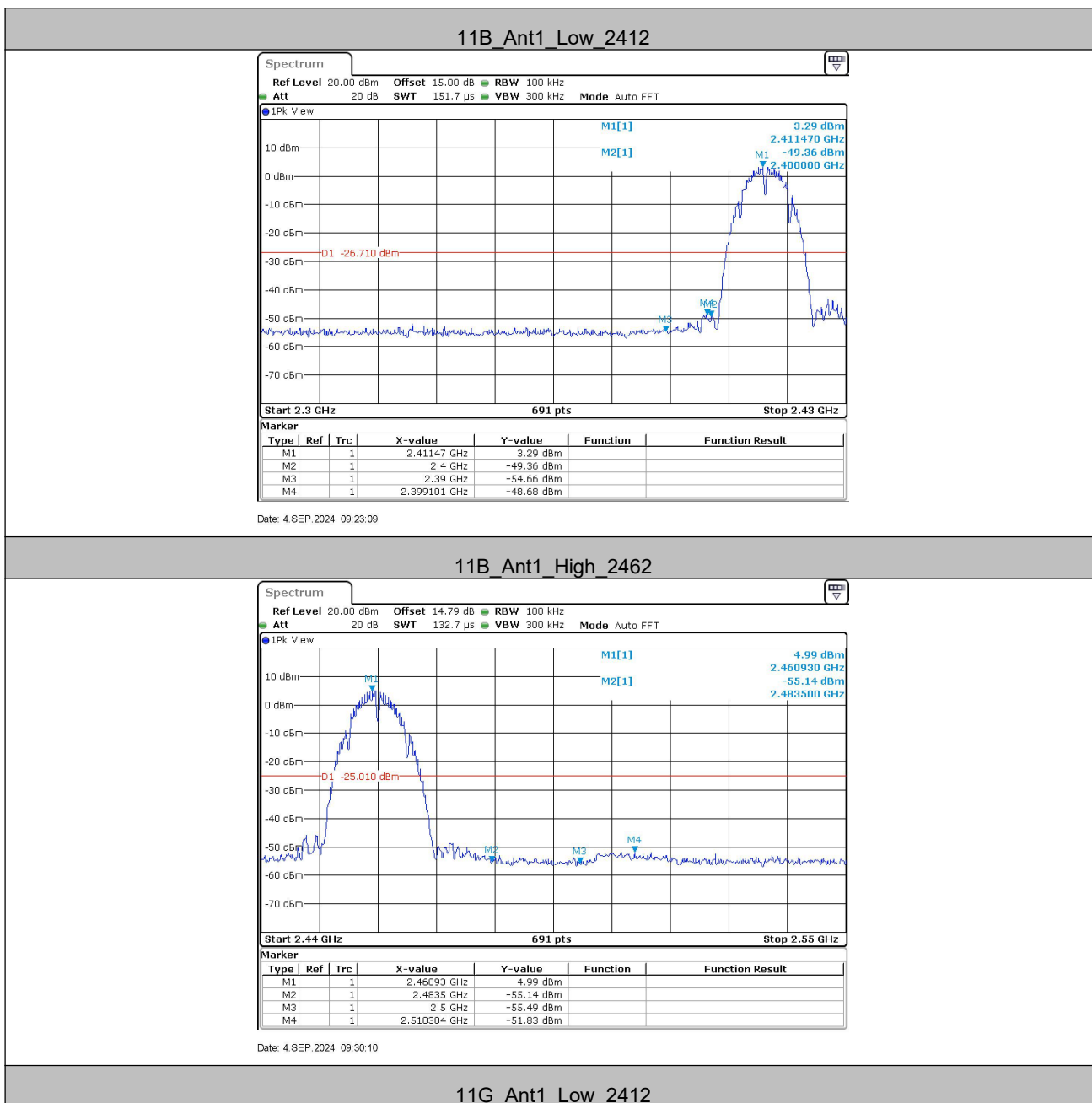
ANT1:

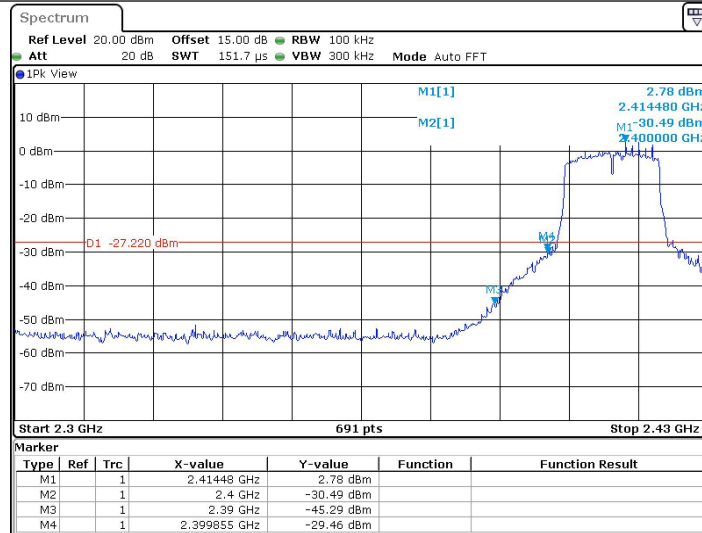
TestMode	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Low	2412	3.29	-48.68	≤ -26.71	PASS
	High	2462	4.99	-51.83	≤ -25.01	PASS
11G	Low	2412	2.78	-29.46	≤ -27.22	PASS
	High	2462	4.30	-47.3	≤ -25.7	PASS
11N20SISO	Low	2412	2.96	-29.53	≤ -27.04	PASS
	High	2462	4.21	-45.92	≤ -25.79	PASS
11N40SISO	Low	2422	0.50	-35.56	≤ -29.5	PASS
	High	2452	1.68	-39.17	≤ -28.32	PASS

ANT2:

TestMode	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Low	2412	2.49	-39.65	≤ -27.51	PASS
	High	2462	1.94	-41.12	≤ -28.06	PASS
11G	Low	2412	0.82	-41.76	≤ -29.18	PASS
	High	2462	1.27	-40.91	≤ -28.73	PASS
11N20SISO	Low	2412	1.03	-40.97	≤ -28.97	PASS
	High	2462	1.25	-41.16	≤ -28.75	PASS
11N40SISO	Low	2422	-5.48	-41.6	≤ -35.48	PASS
	High	2452	-4.41	-40.57	≤ -34.41	PASS

5.6.1 Test Graphs





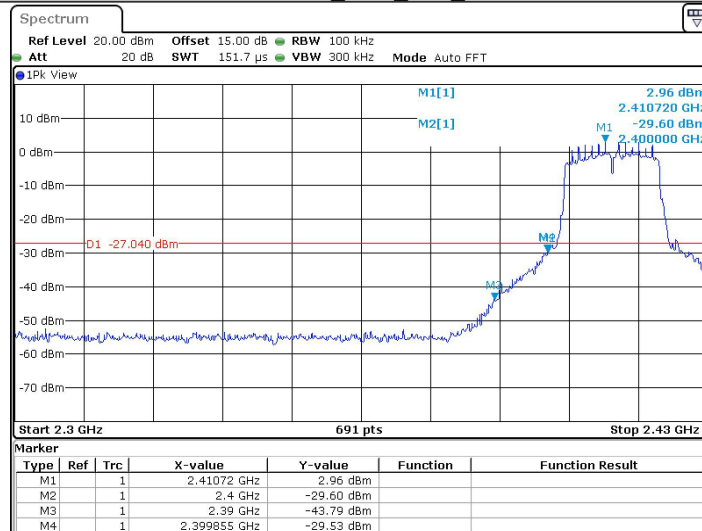
Date: 4.SEP.2024 09:58:58

11G_Ant1_High_2462



Date: 4.SEP.2024 10:04:24

11N20SISO_Ant1_Low_2412



Date: 4.SEP.2024 10:07:34