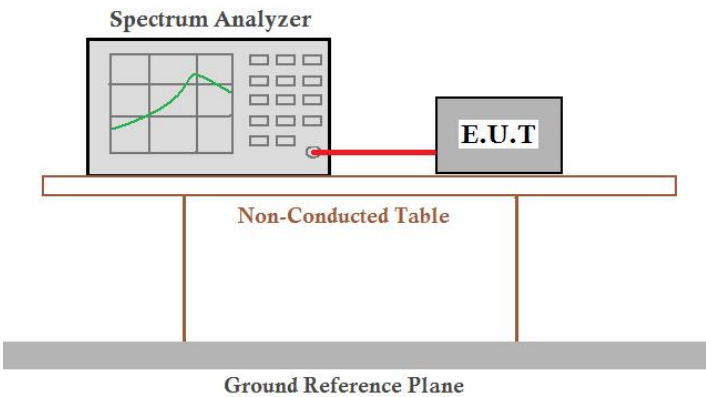


5.5 Power Spectral Density

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	-21.24	≤8.00	PASS
	2437	-21.17	≤8.00	PASS
	2462	-21.11	≤8.00	PASS
11G	2412	-16.51	≤8.00	PASS
	2437	-15.48	≤8.00	PASS
	2462	-15.84	≤8.00	PASS
11N20SISO	2412	-17.02	≤8.00	PASS
	2437	-16.21	≤8.00	PASS
	2462	-16.06	≤8.00	PASS
11N40SISO	2422	-16.95	≤8.00	PASS
	2437	-17.56	≤8.00	PASS
	2452	-16.95	≤8.00	PASS

ANT2:

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-22.25	≤8.00	PASS
	2437	-21.39	≤8.00	PASS
	2462	-21.21	≤8.00	PASS
11G	2412	-15.79	≤8.00	PASS
	2437	-14.54	≤8.00	PASS
	2462	-15.84	≤8.00	PASS
11N20SISO	2412	-16.03	≤8.00	PASS
	2437	-16.3	≤8.00	PASS
	2462	-15.68	≤8.00	PASS
11N40SISO	2422	-17.66	≤8.00	PASS
	2437	-17.4	≤8.00	PASS
	2452	-17.3	≤8.00	PASS

ANT1+ANT2:

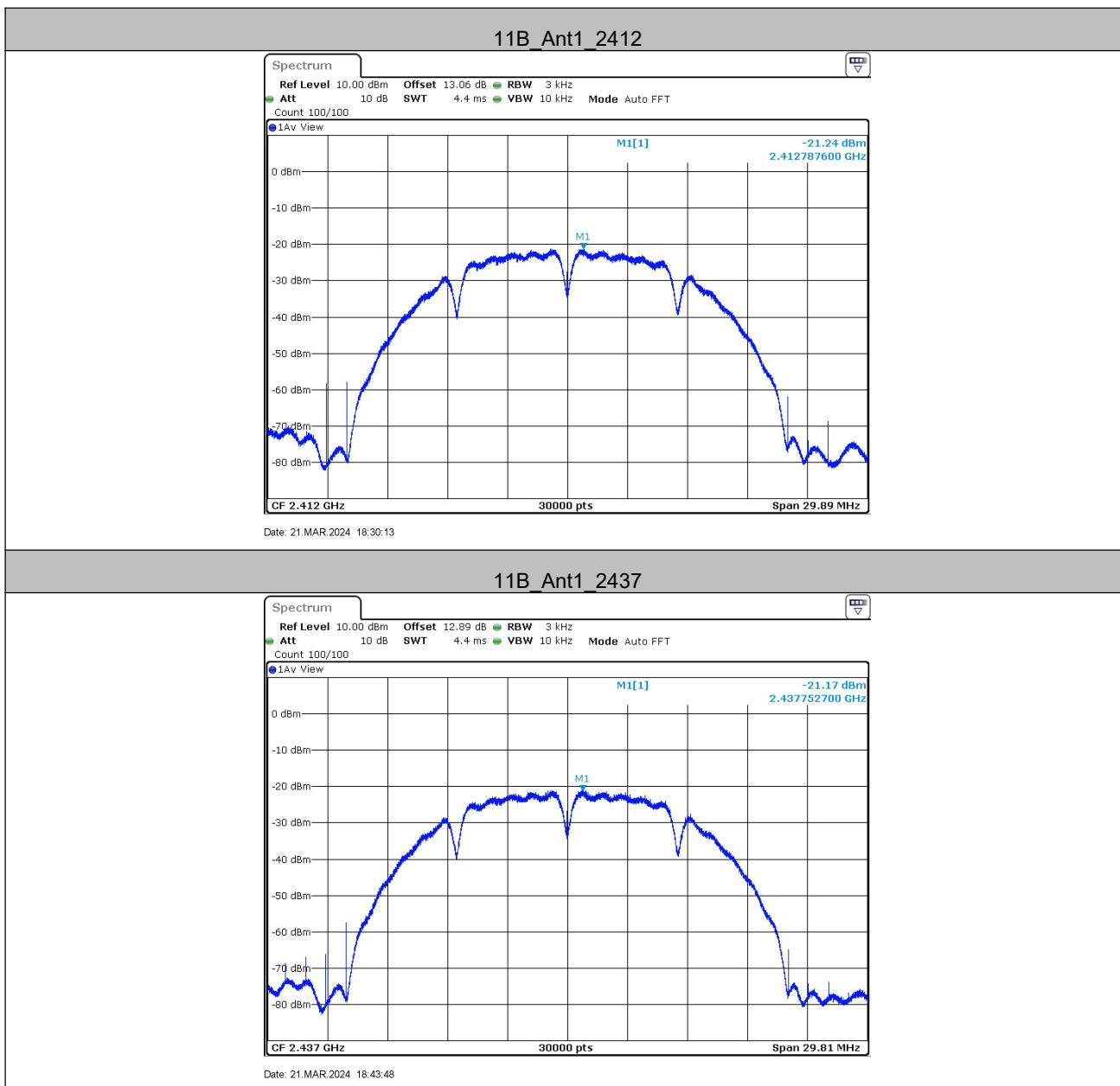
TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11N20MIMO	2412	-13.49	≤8.00	PASS
	2437	-13.24	≤8.00	PASS
	2462	-12.86	≤8.00	PASS
11N40MIMO	2422	-14.28	≤8.00	PASS
	2437	-14.47	≤8.00	PASS

	2452	-14.11	≤8.00	PASS
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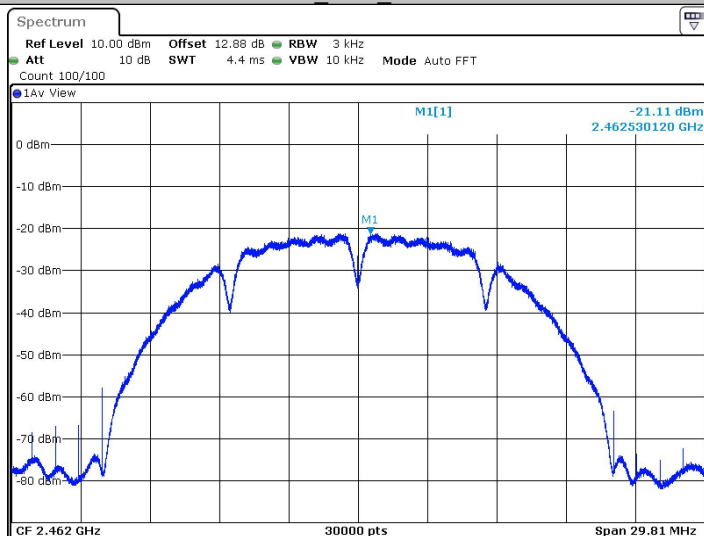
Note:

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

Test Graphs

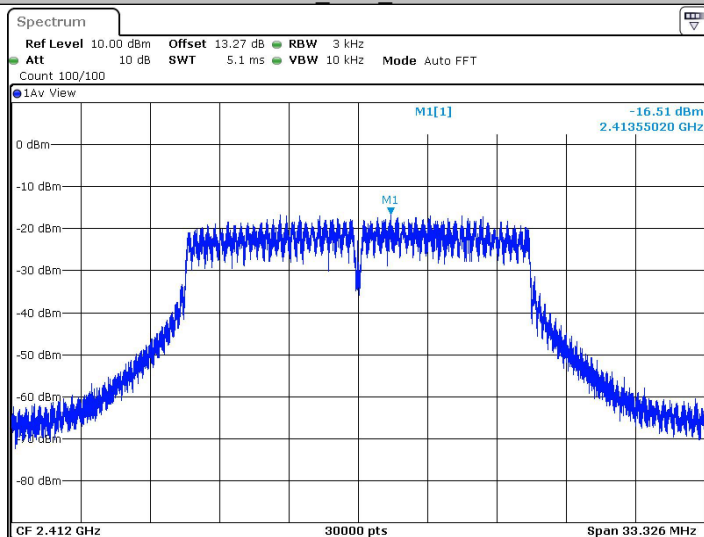


11B_Ant1_2462



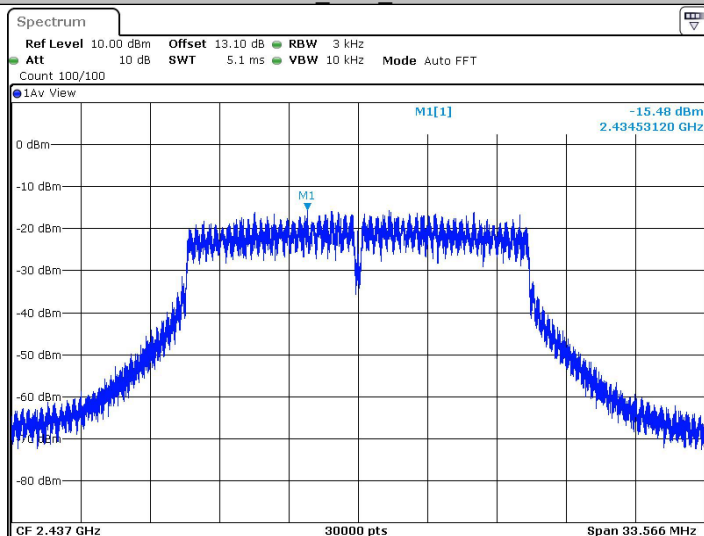
Date: 21.MAR.2024 18:45:38

11G_Ant1_2412



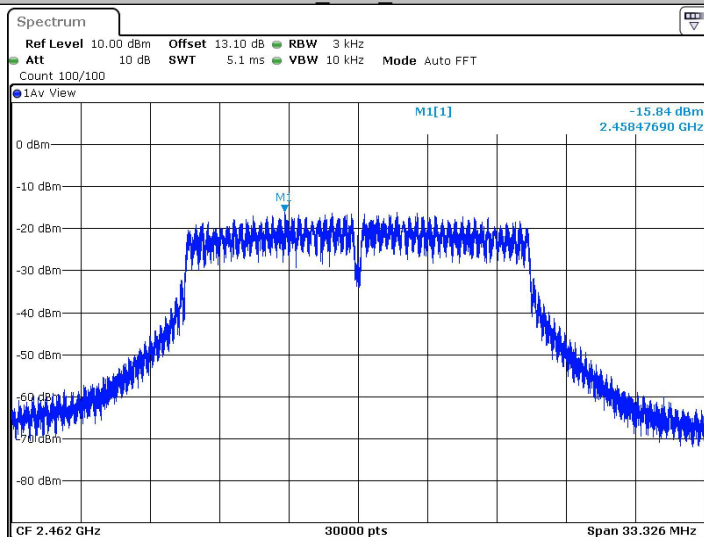
Date: 21.MAR.2024 18:48:02

11G_Ant1_2437



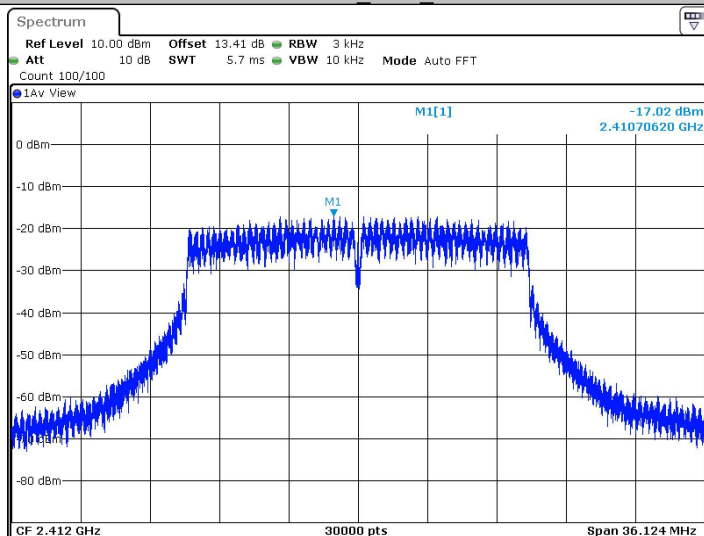
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11G_Ant1_2462



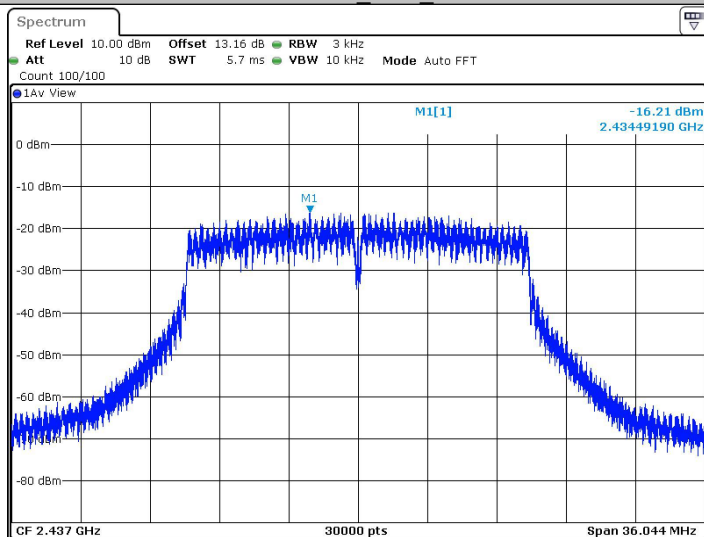
Date: 21.MAR.2024 18:51:22

11N20SISO_Ant1_2412



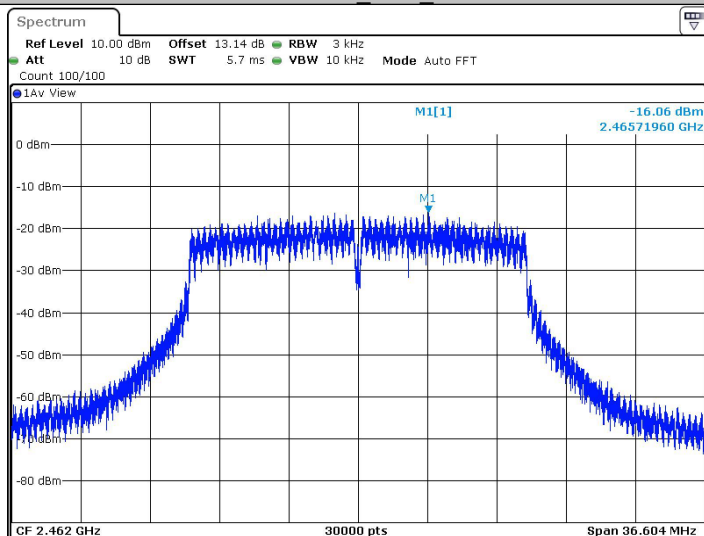
Date: 21.MAR.2024 18:53:33

11N20SISO_Ant1_2437



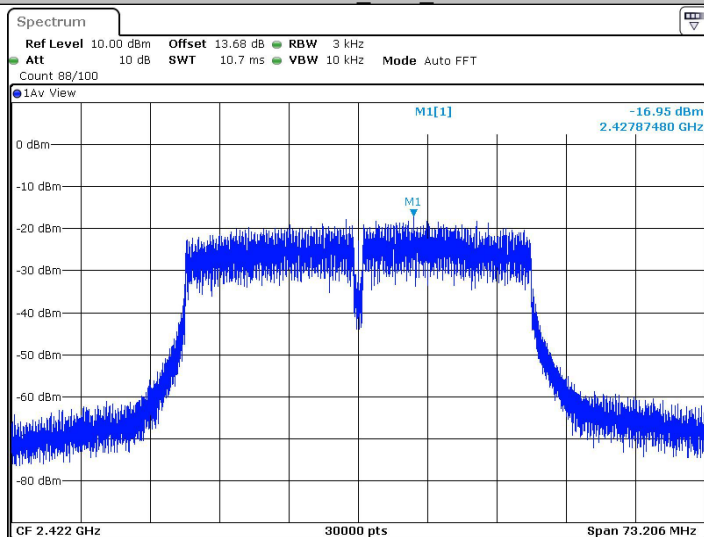
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11N20SISO_Ant1_2462



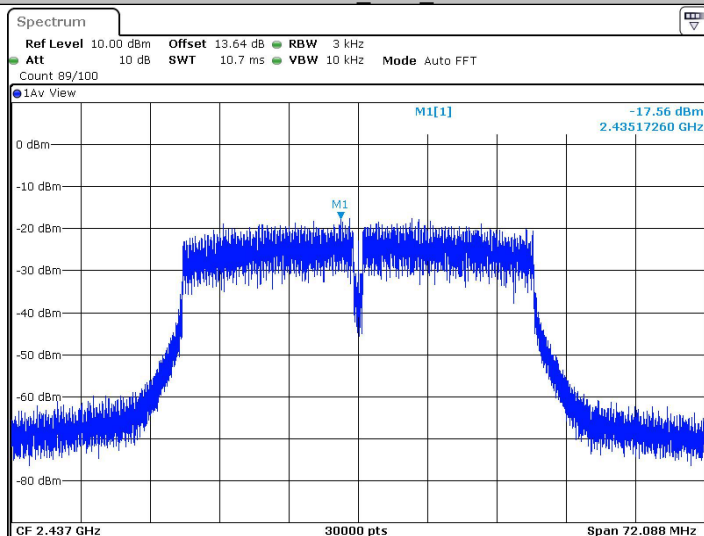
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11N40SISO_Ant1_2422



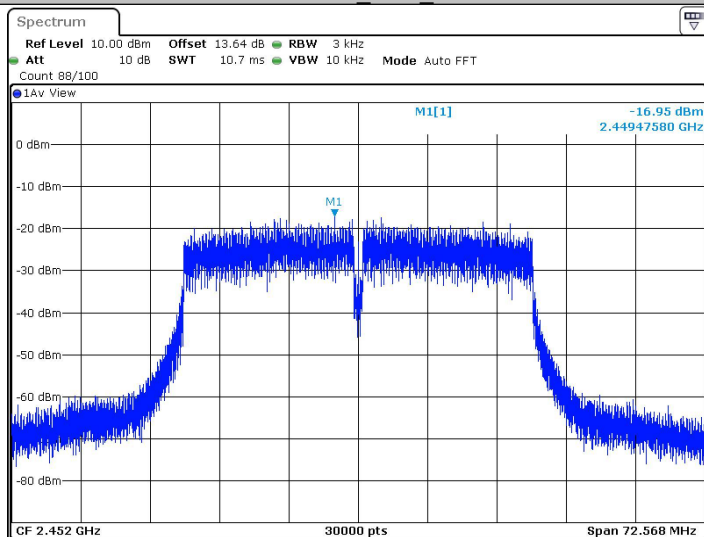
Date: 21.MAR.2024 18:58:48

11N40SISO_Ant1_2437



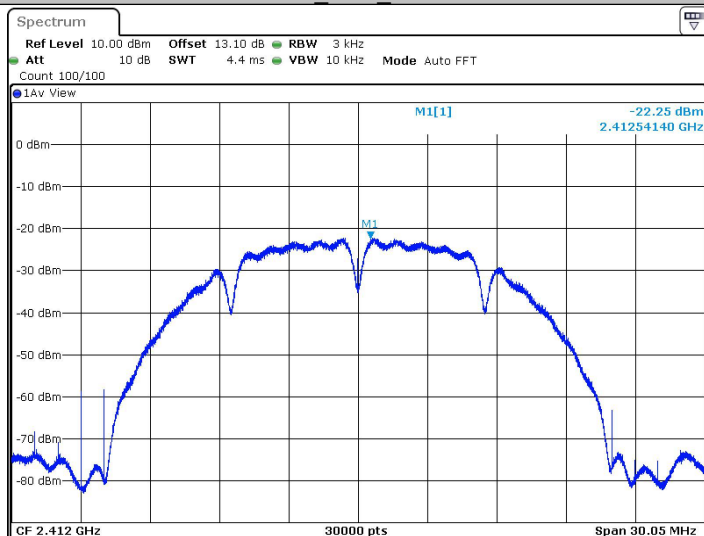
Date: 21.MAR.2024 19:00:32

11N40SISO_Ant1_2452



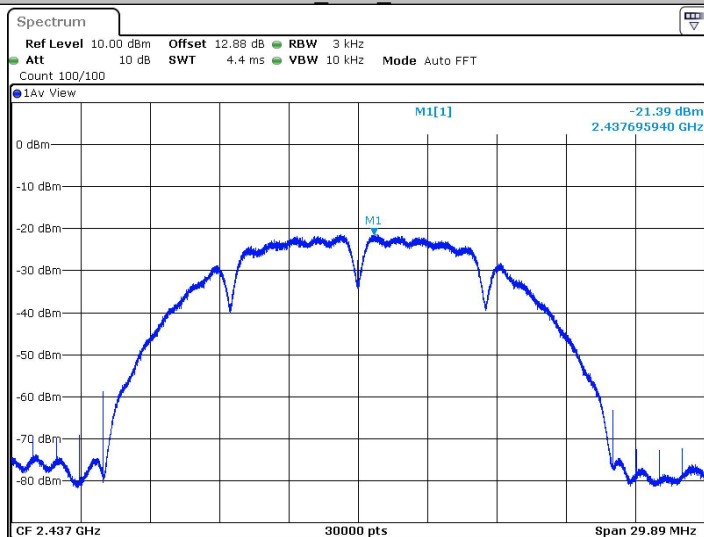
Date: 21.MAR.2024 19:02:09

11B_Ant2_2412



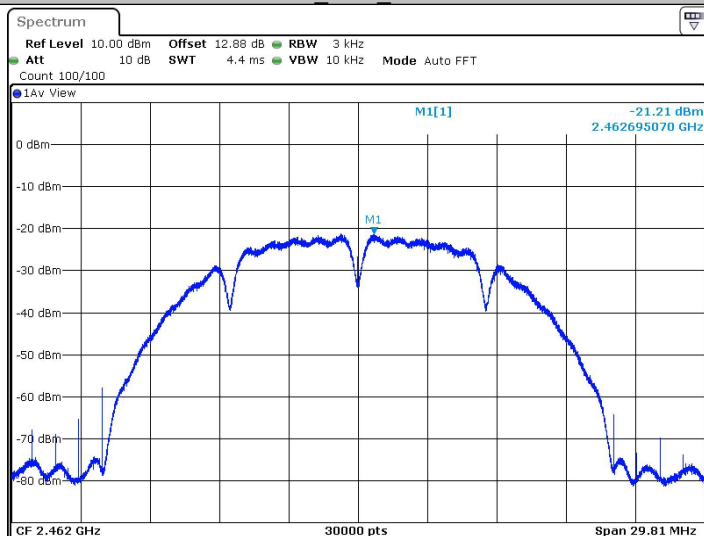
Date: 21.MAR.2024 19:05:18

11B_Ant2_2437



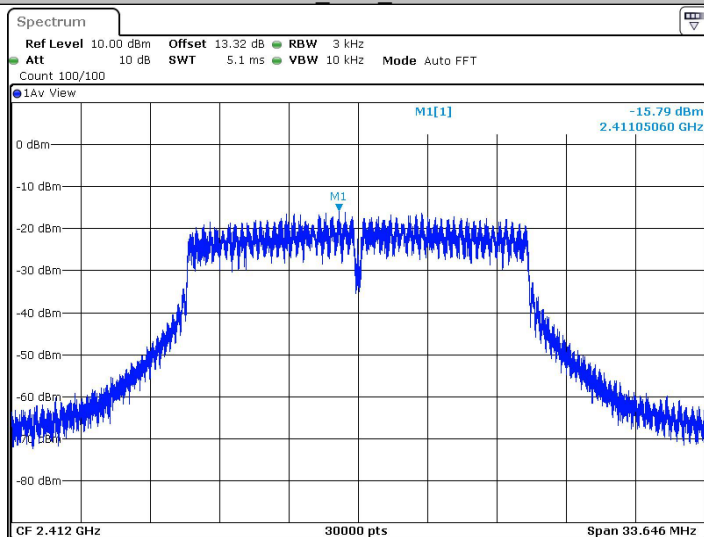
Date: 21.MAR.2024 19:07:55

11B_Ant2_2462



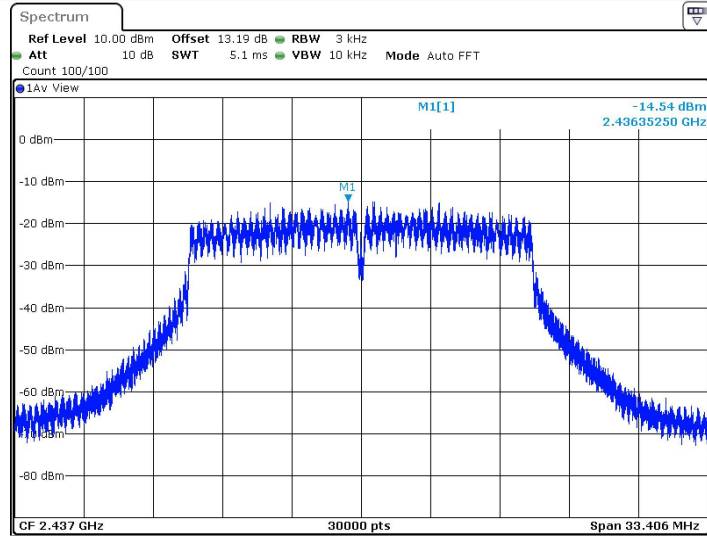
Date: 21.MAR.2024 19:10:18

11G_Ant2_2412



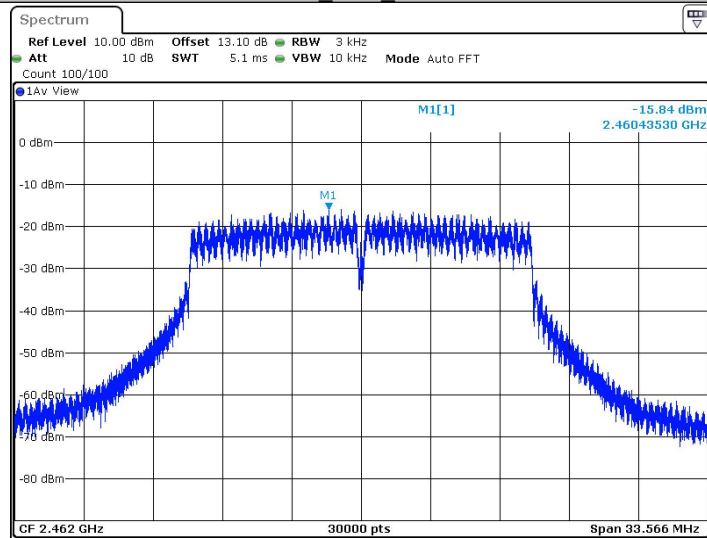
Date: 21.MAR.2024 19:12:06

11G_Ant2_2437



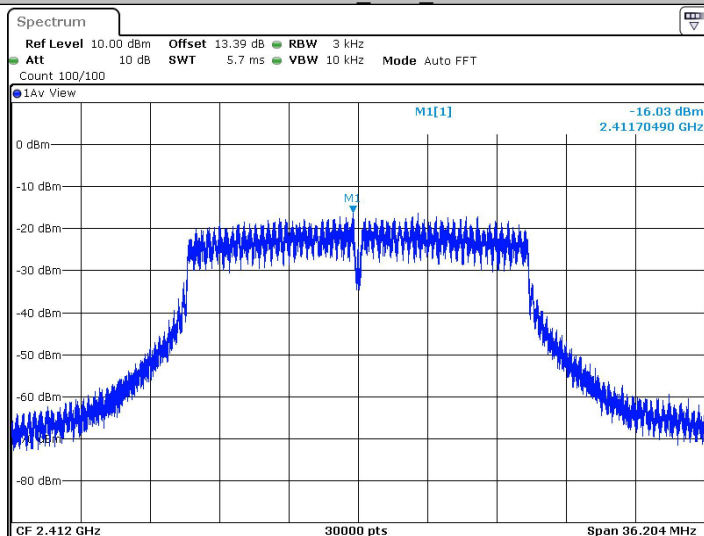
Date: 21.MAR.2024 19:13:57

11G_Ant2_2462



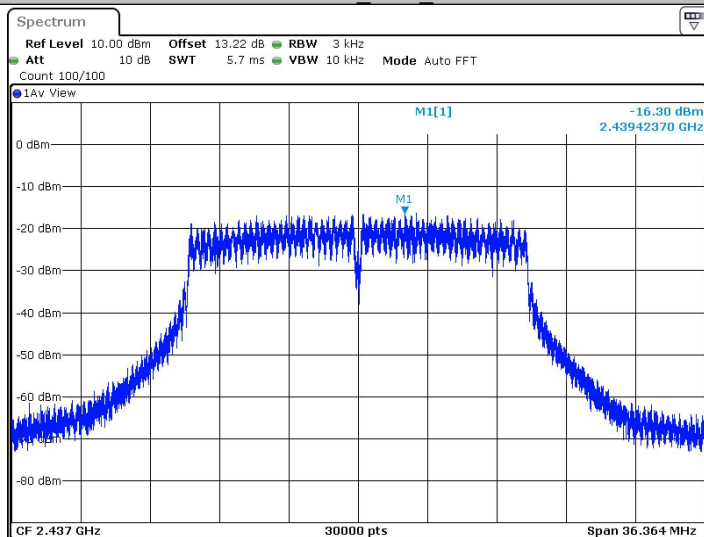
Date: 21.MAR.2024 19:15:19

11N20SISO_Ant2_2412



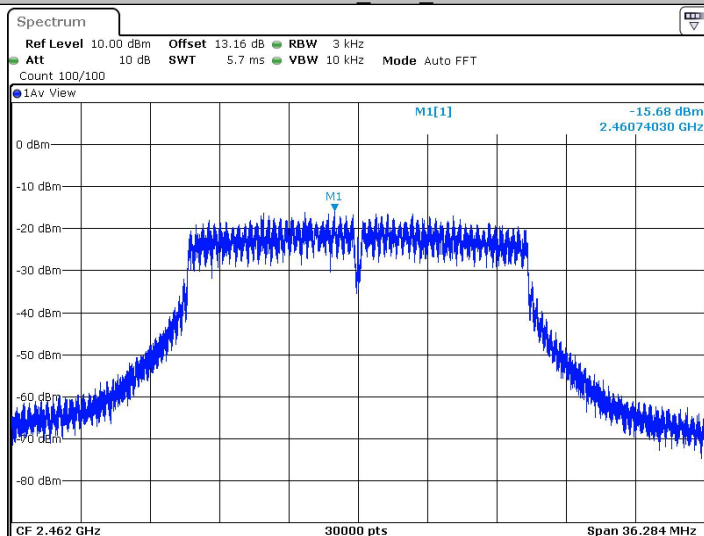
Date: 21.MAR.2024 19:18:00

11N20SISO_Ant2_2437



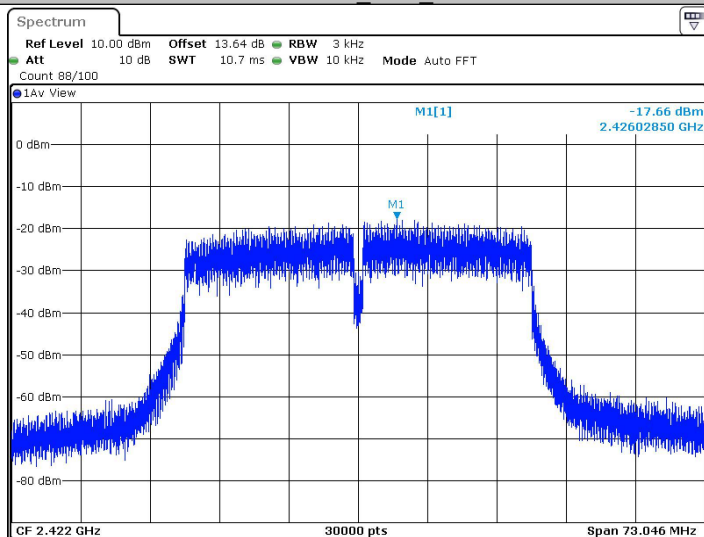
Date: 21.MAR.2024 19:20:40

11N20SISO_Ant2_2462



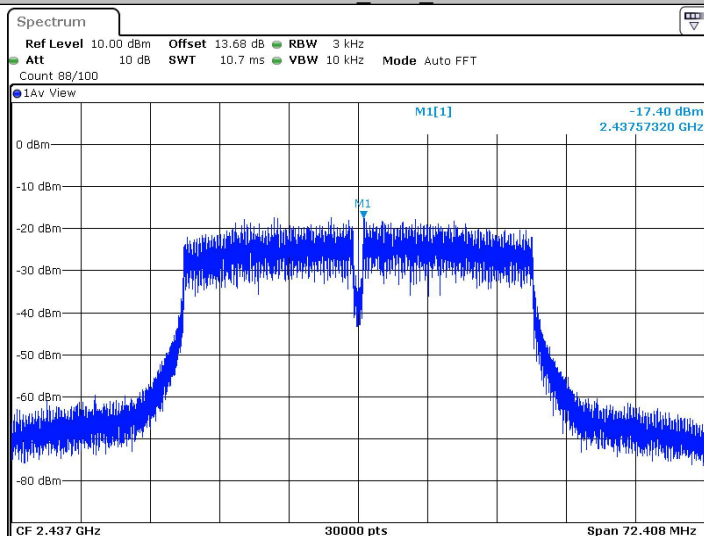
Date: 21.MAR.2024 19:22:11

11N40SISO_Ant2_2422



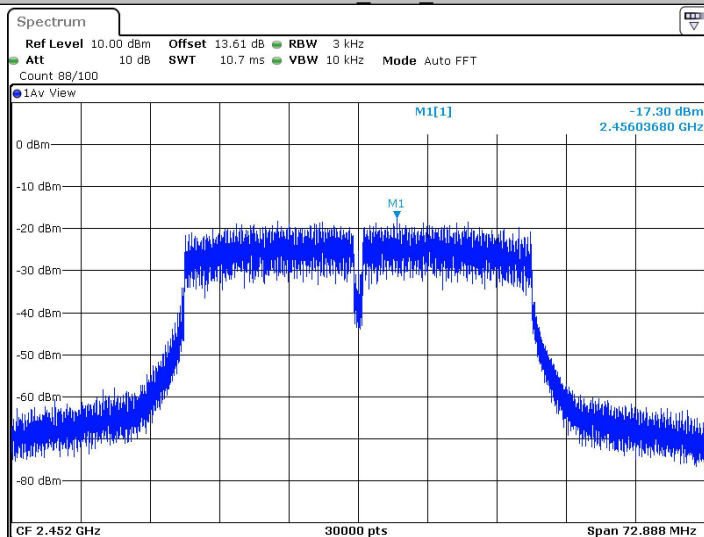
Date: 21.MAR.2024 19:25:00

11N40SISO_Ant2_2437



Date: 21.MAR.2024 19:26:46

11N40SISO_Ant2_2452



Date: 21.MAR.2024 19:31:42