

Appendix: 2.4G WIFI

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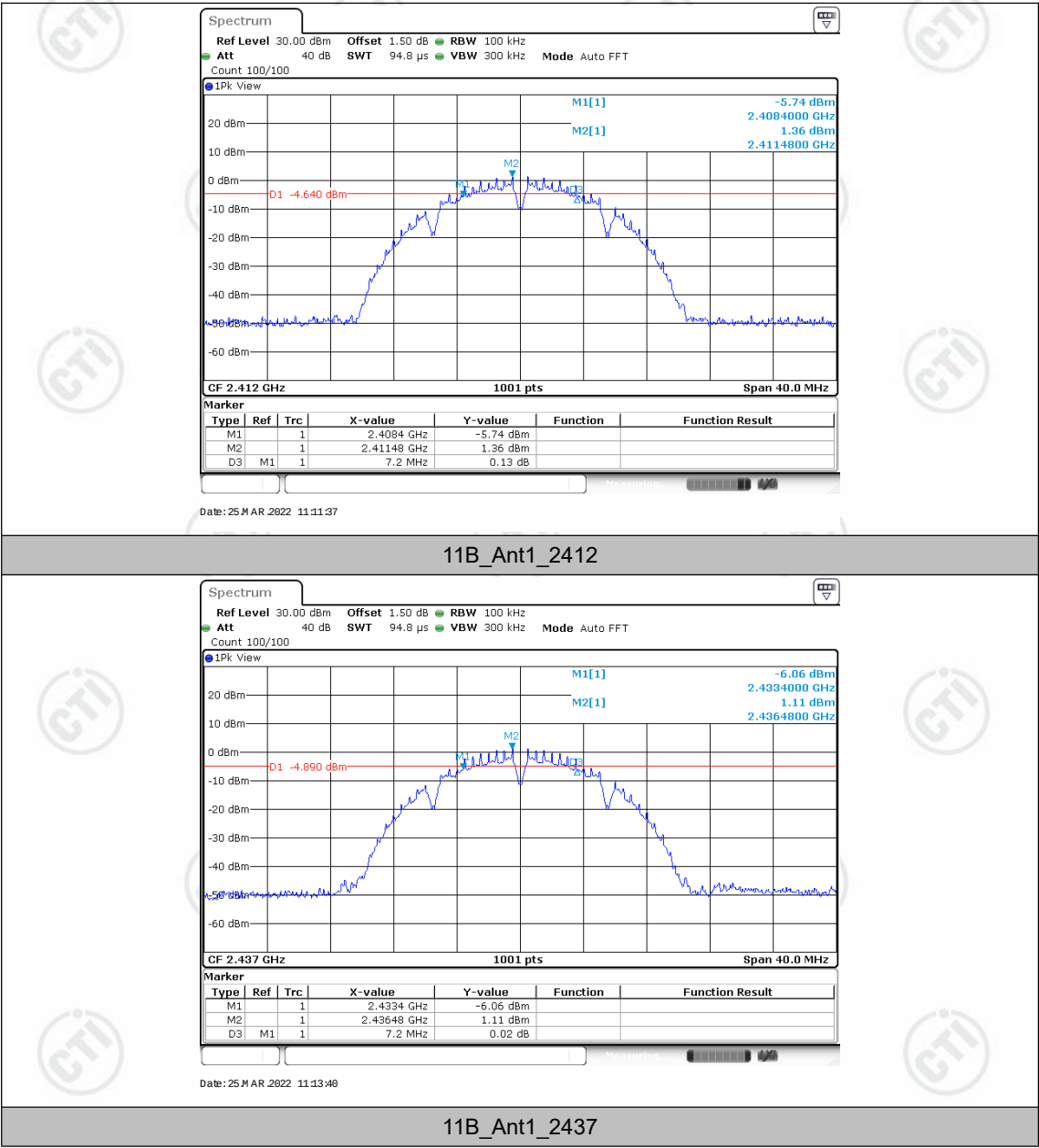
 Test Graphs..... 50

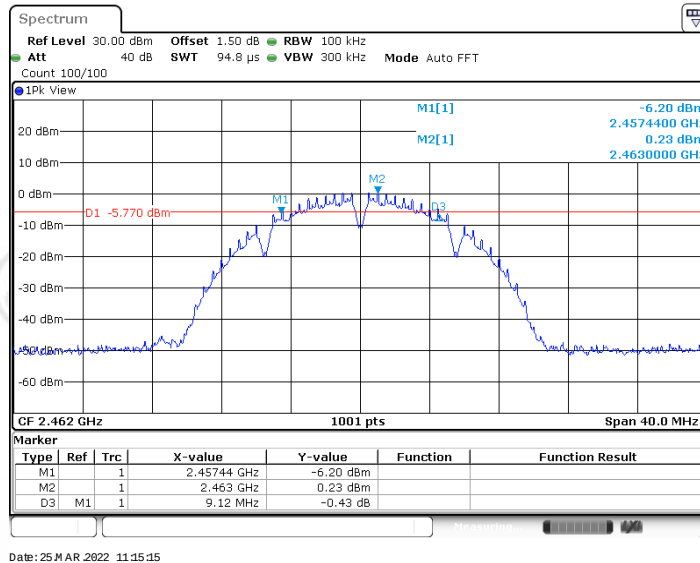
Appendix A: DTS Bandwidth

Test Result

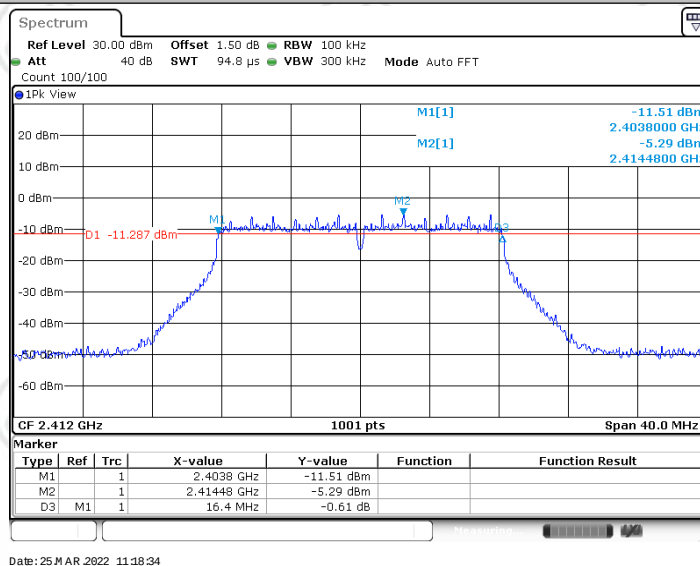
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.200	2408.400	2415.600	0.5	PASS
		2437	7.200	2433.400	2440.600	0.5	PASS
		2462	9.120	2457.440	2466.560	0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.680	2428.160	2445.840	0.5	PASS
		2462	17.640	2453.160	2470.800	0.5	PASS
11N40SISO	Ant1	2422	35.760	2404.320	2440.080	0.5	PASS
		2437	36.240	2419.000	2455.240	0.5	PASS
		2452	36.000	2434.000	2470.000	0.5	PASS

Test Graphs

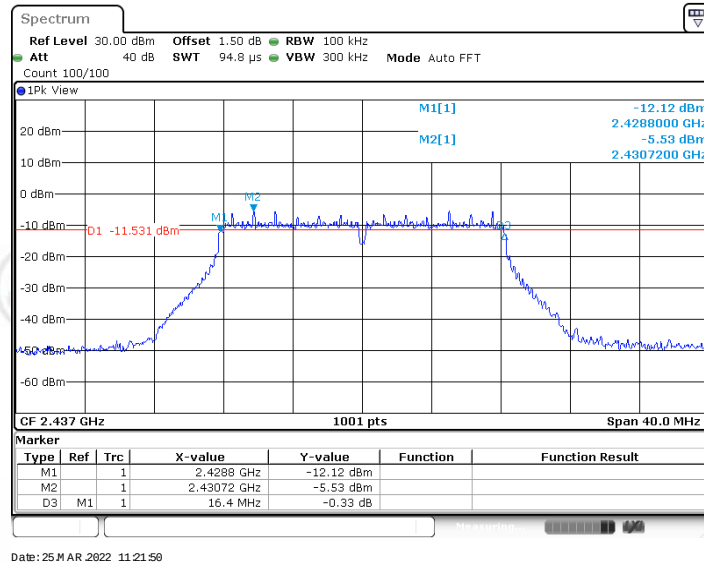




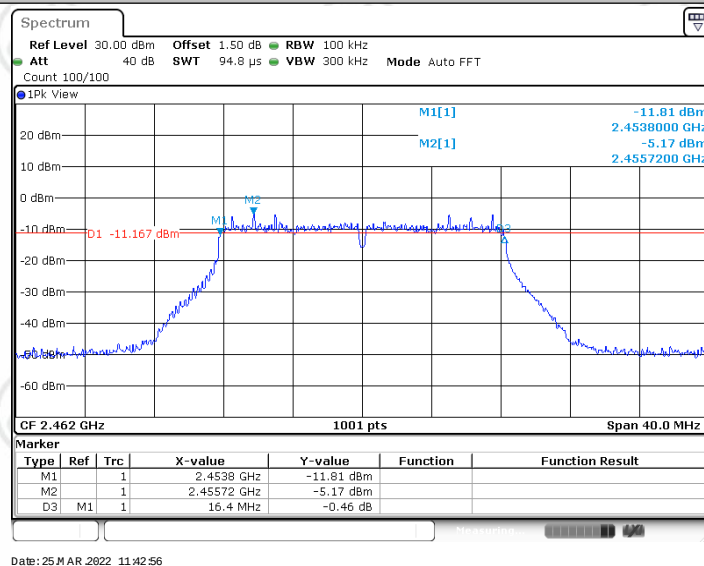
11B_Ant1_2462



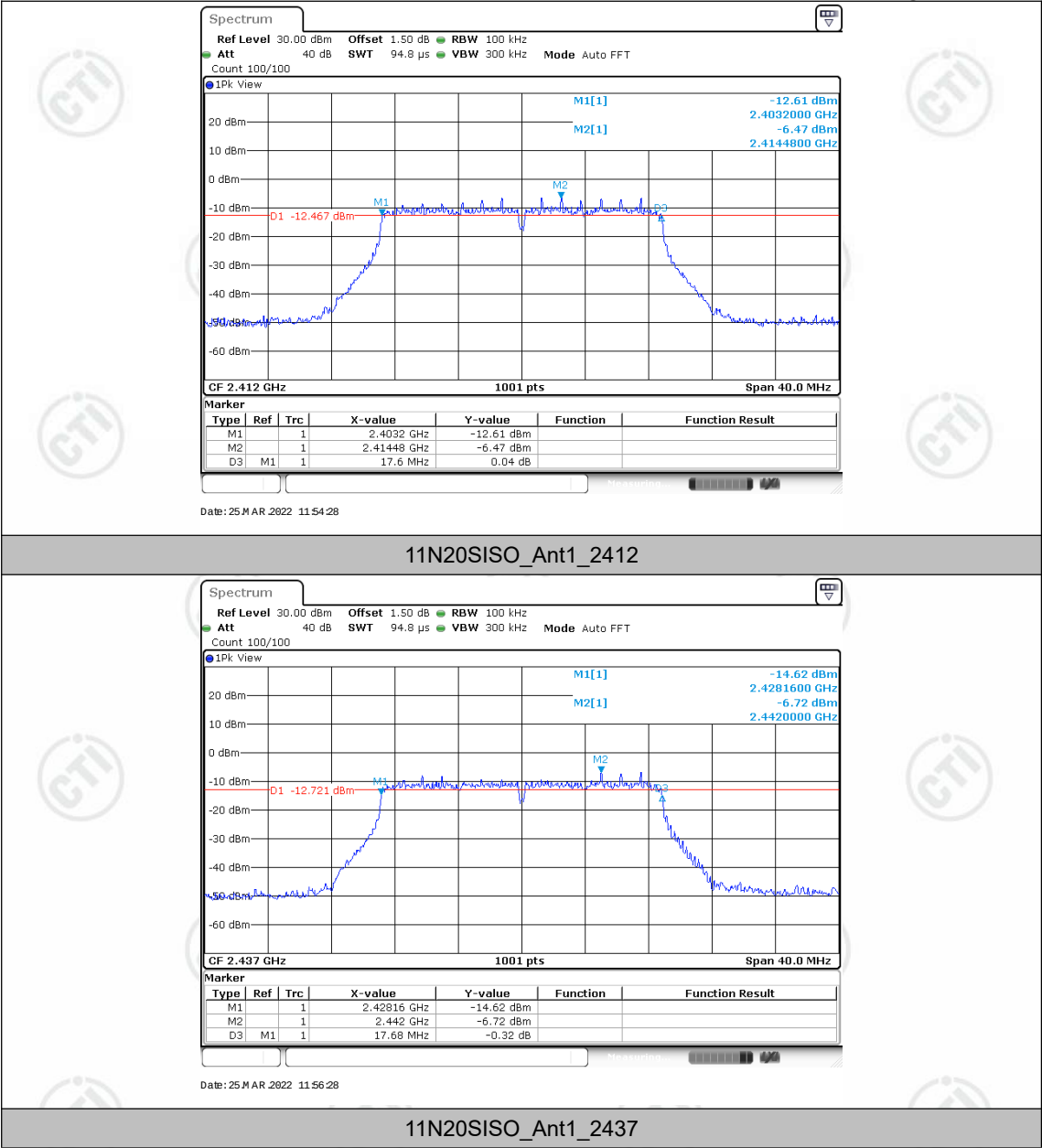
11G_Ant1_2412

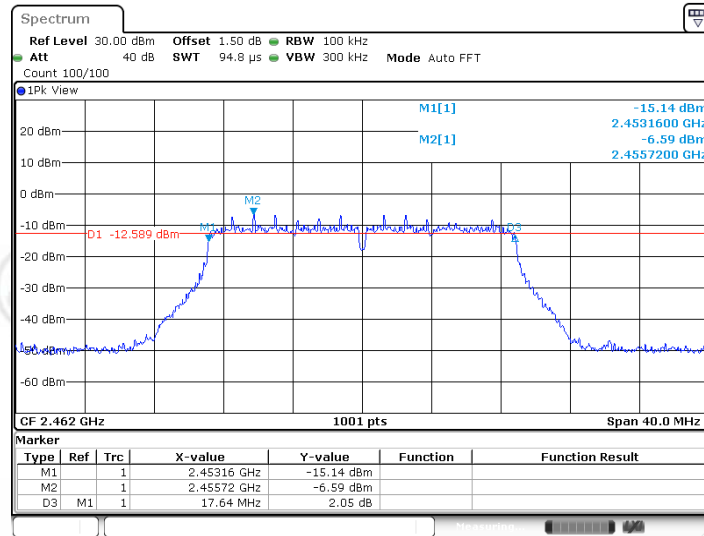


11G_Ant1_2437

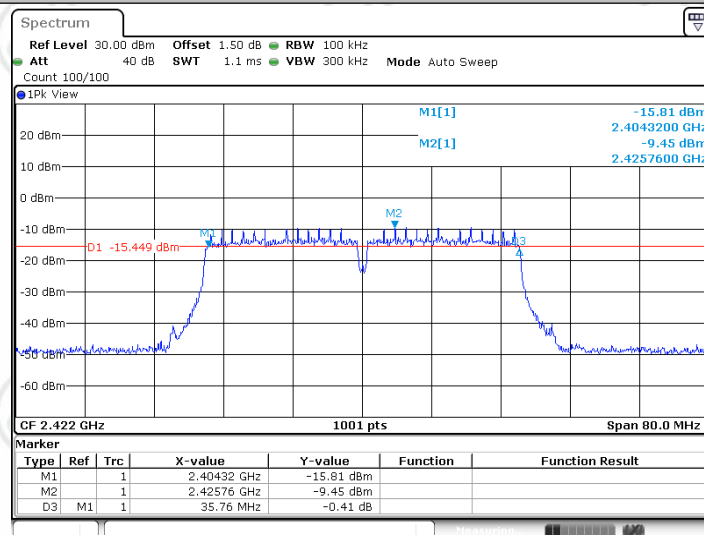


11G_Ant1_2462

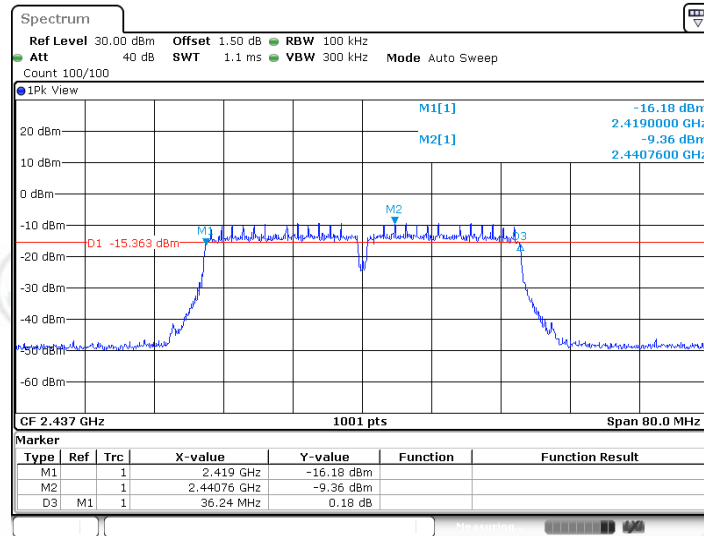




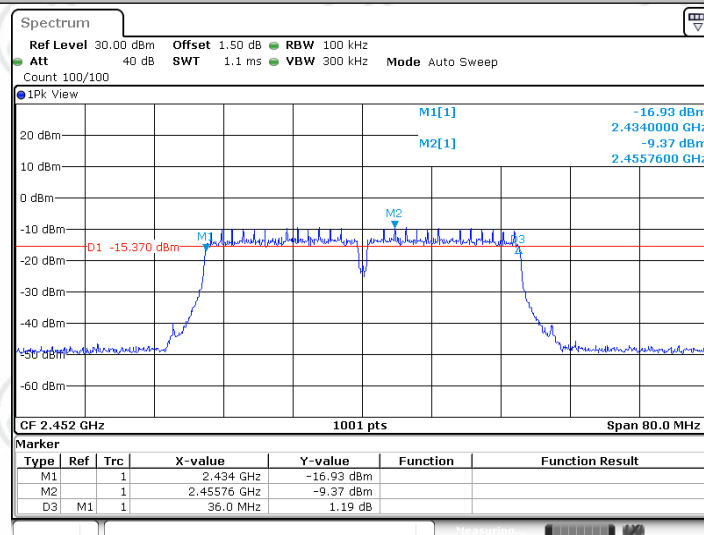
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



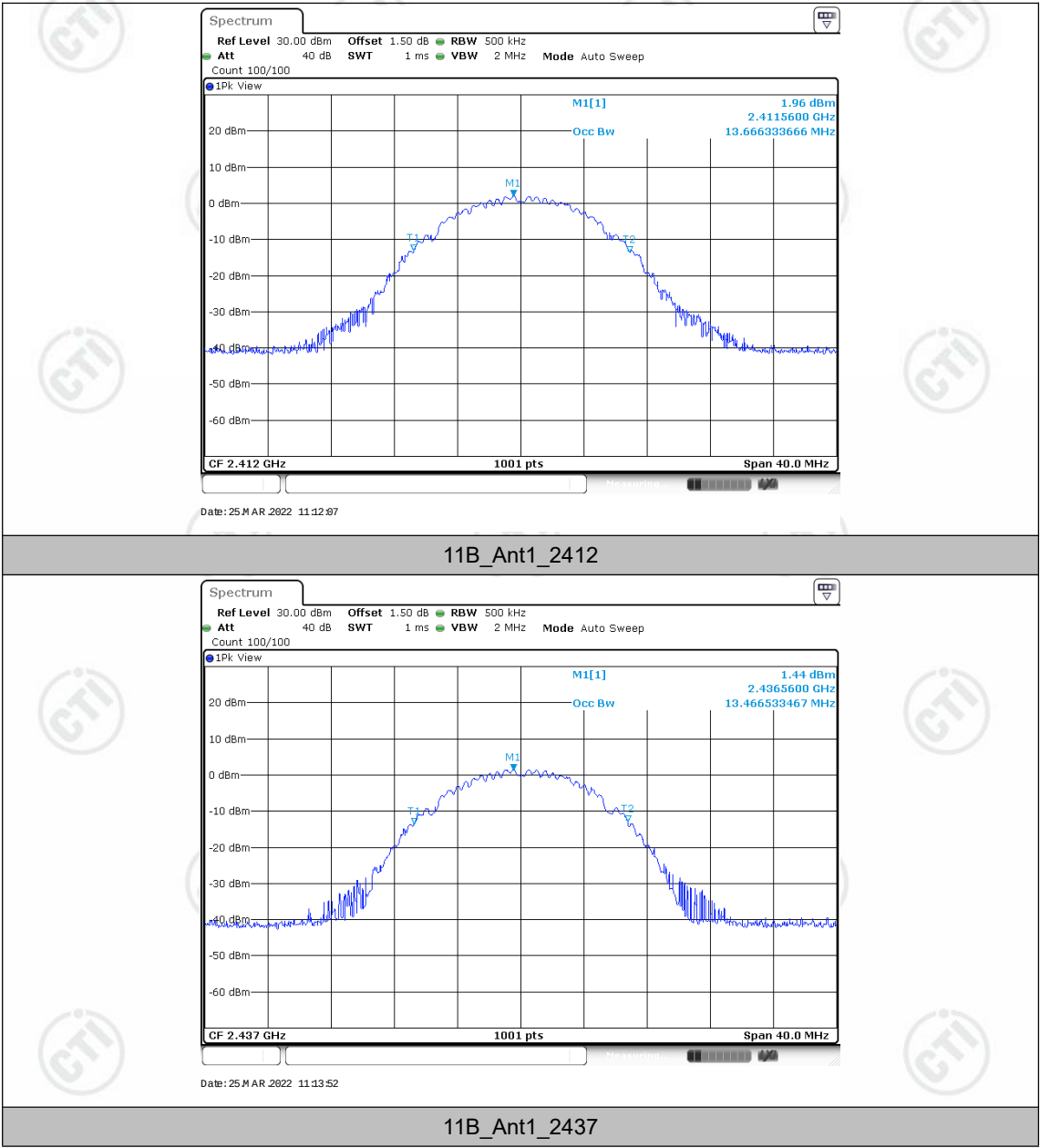
11N40SISO_Ant1_2452

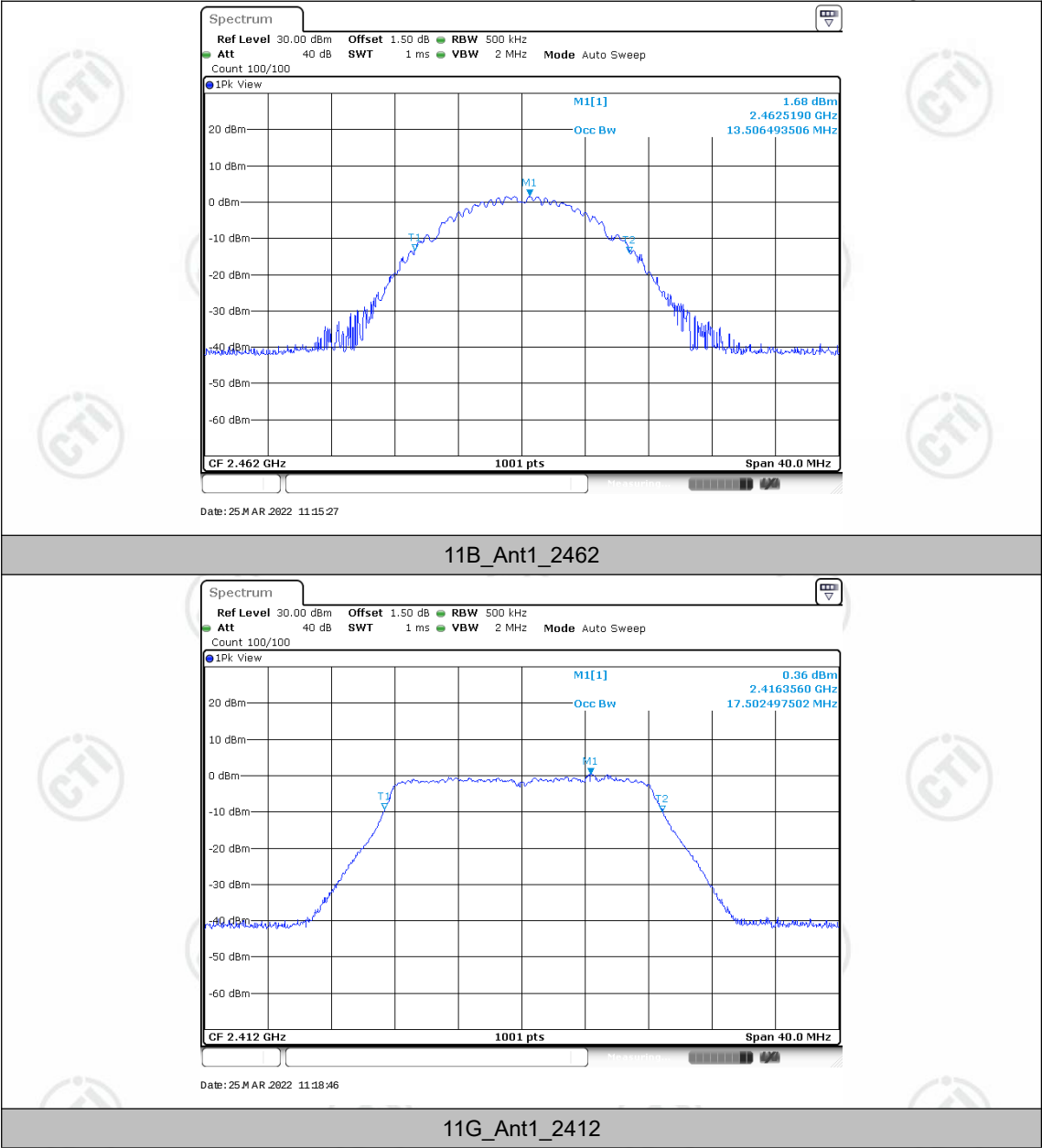
Appendix B: Occupied Channel Bandwidth

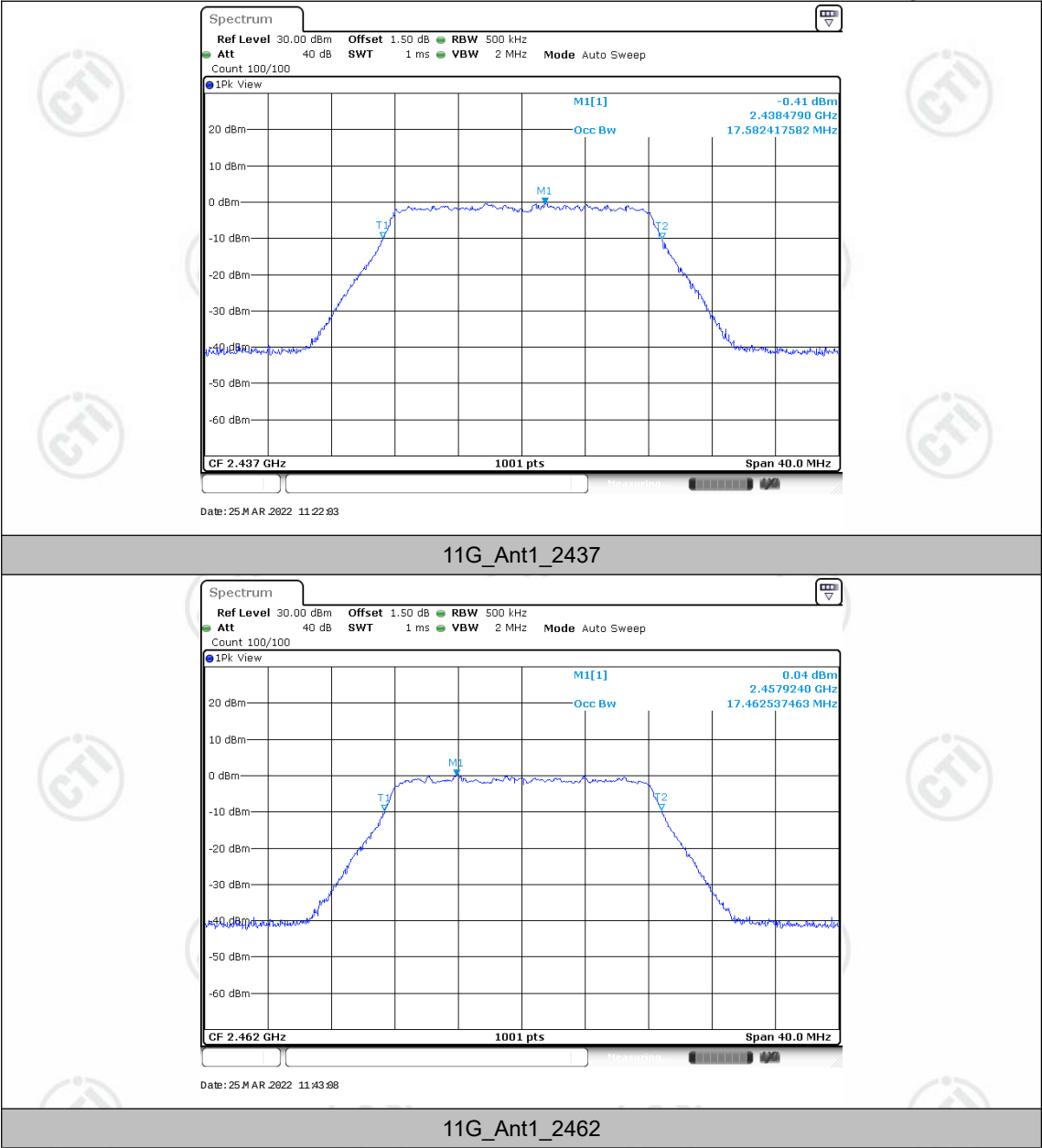
Test Result

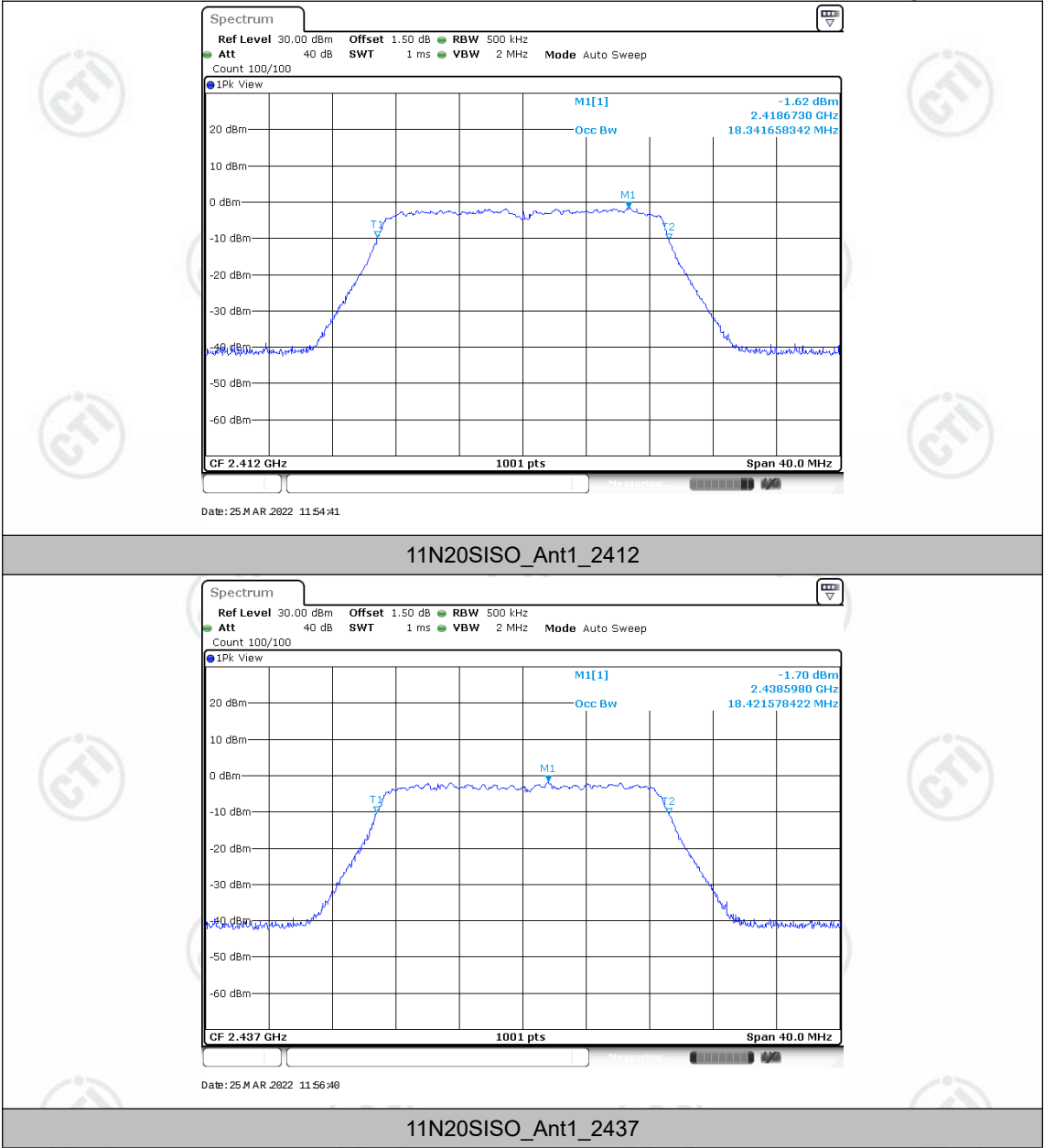
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.666	2405.207	2418.873	---	PASS
		2437	13.467	2430.287	2443.753	---	PASS
		2462	13.506	2455.287	2468.793	---	PASS
11G	Ant1	2412	17.502	2403.369	2420.871	---	PASS
		2437	17.582	2428.249	2445.831	---	PASS
		2462	17.463	2453.329	2470.791	---	PASS
11N20SISO	Ant1	2412	18.342	2402.849	2421.191	---	PASS
		2437	18.422	2427.809	2446.231	---	PASS
		2462	18.382	2452.809	2471.191	---	PASS
11N40SISO	Ant1	2422	36.843	2403.618	2440.462	---	PASS
		2437	36.763	2418.698	2455.462	---	PASS
		2452	36.683	2433.698	2470.382	---	PASS

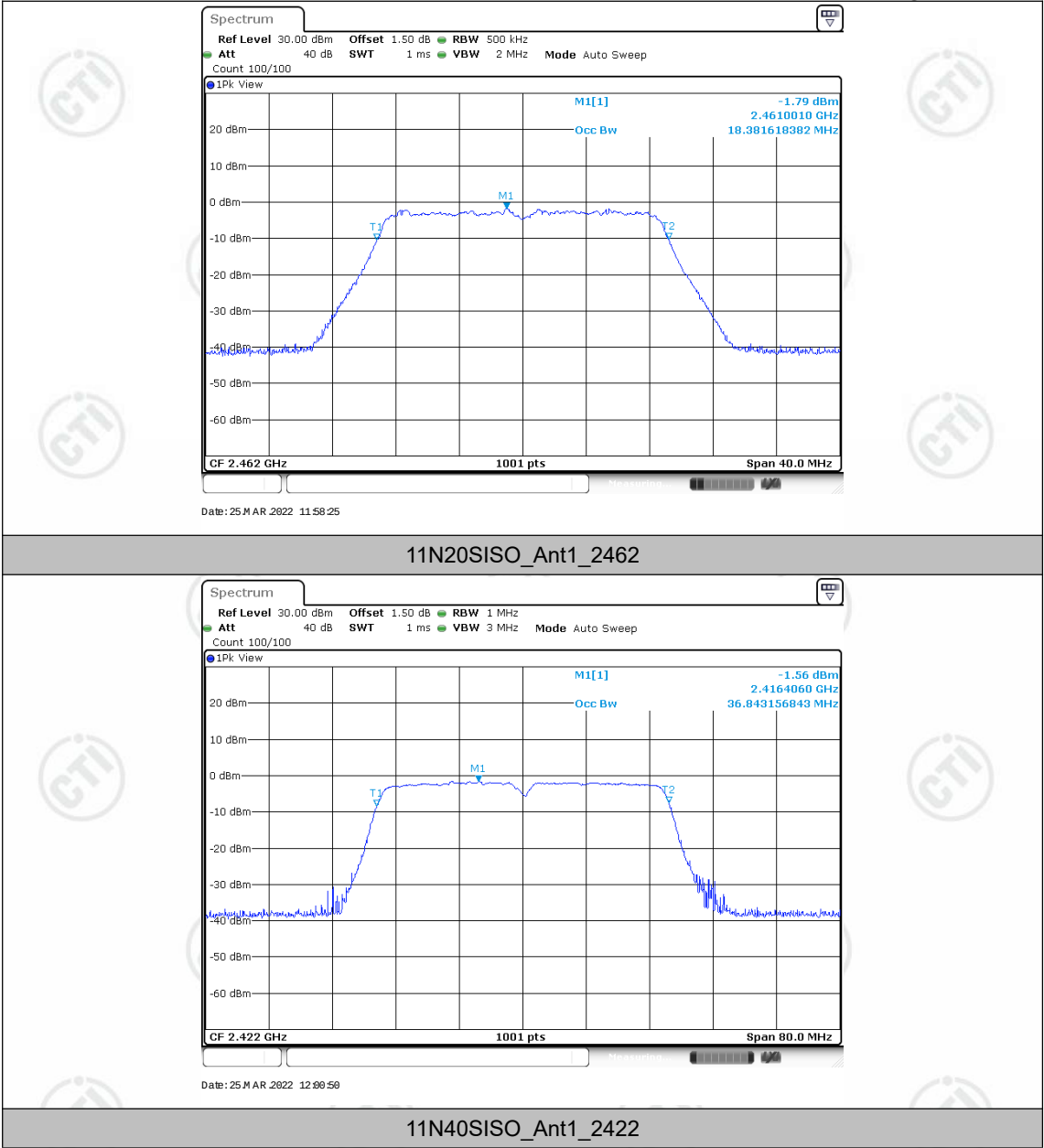
Test Graphs

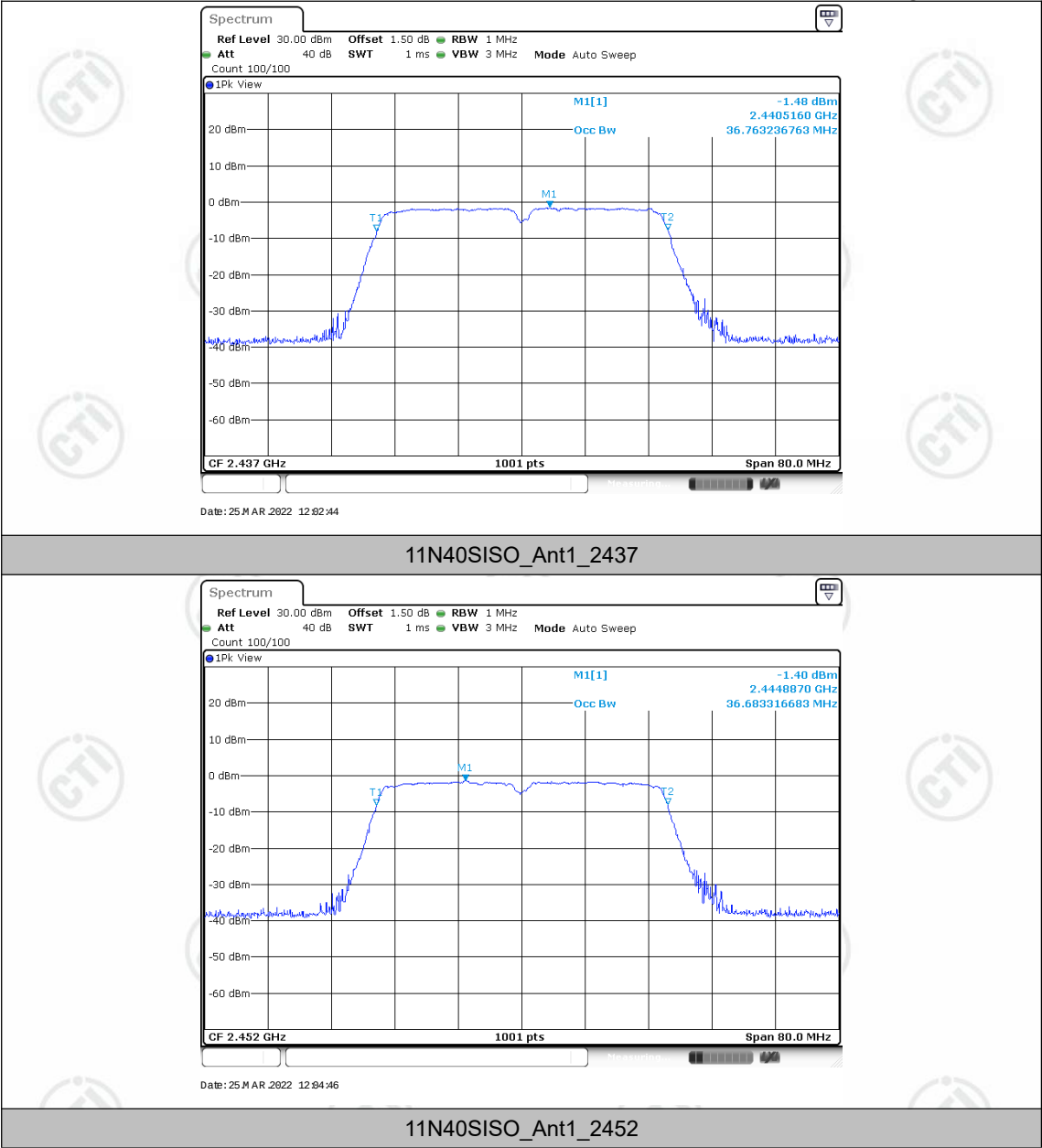












Appendix C: Maximum conducted output power

Test Result

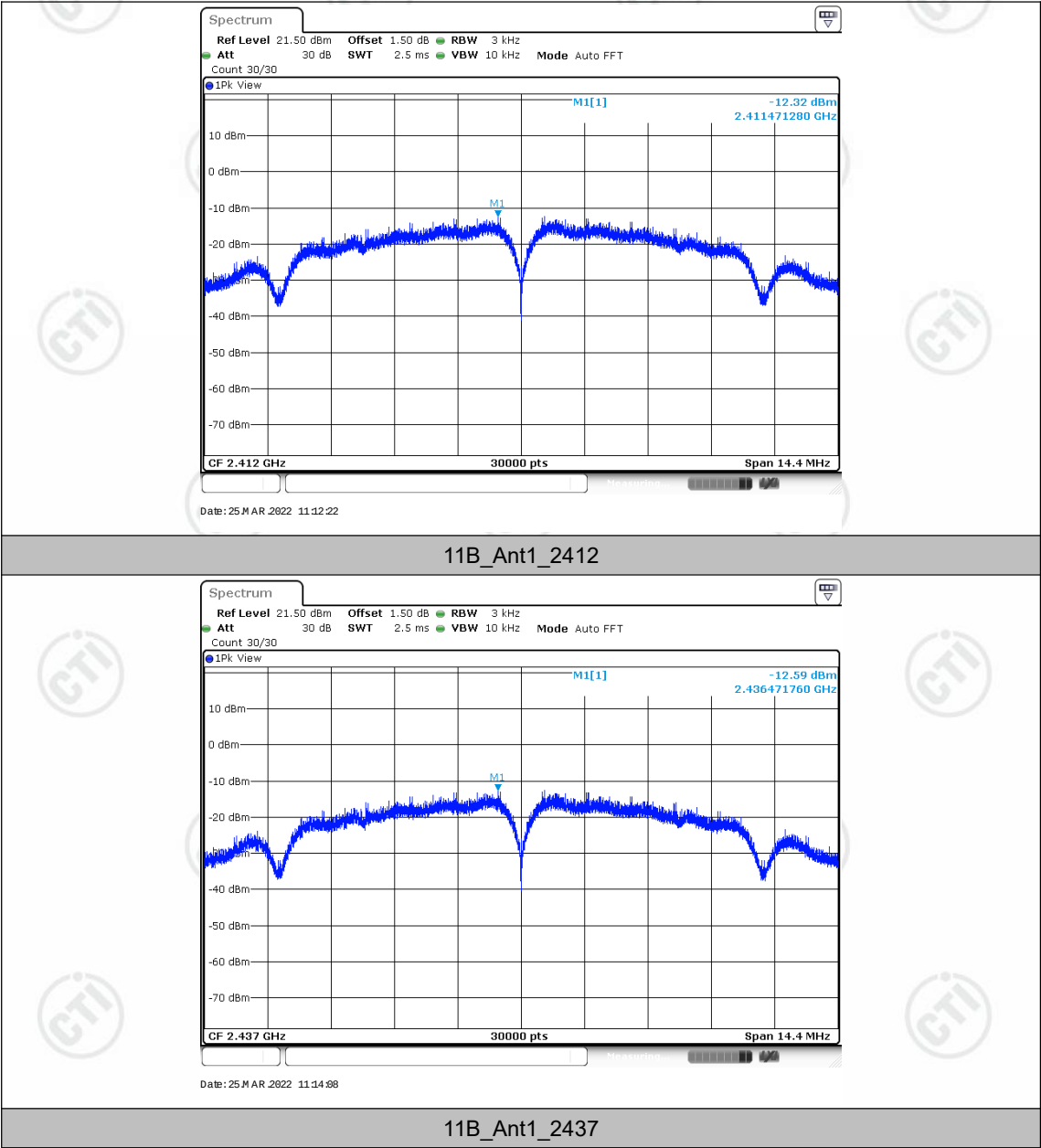
TestMode	Antenna	Channel	Power[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	11.83	<=30	PASS
		2437	11.69	<=30	PASS
		2462	11.91	<=30	PASS
11G	Ant1	2412	13.82	<=30	PASS
		2437	13.58	<=30	PASS
		2462	13.77	<=30	PASS
11N20SISO	Ant1	2412	12.69	<=30	PASS
		2437	12.44	<=30	PASS
		2462	12.44	<=30	PASS
11N40SISO	Ant1	2422	12.32	<=30	PASS
		2437	12.55	<=30	PASS
		2452	12.49	<=30	PASS

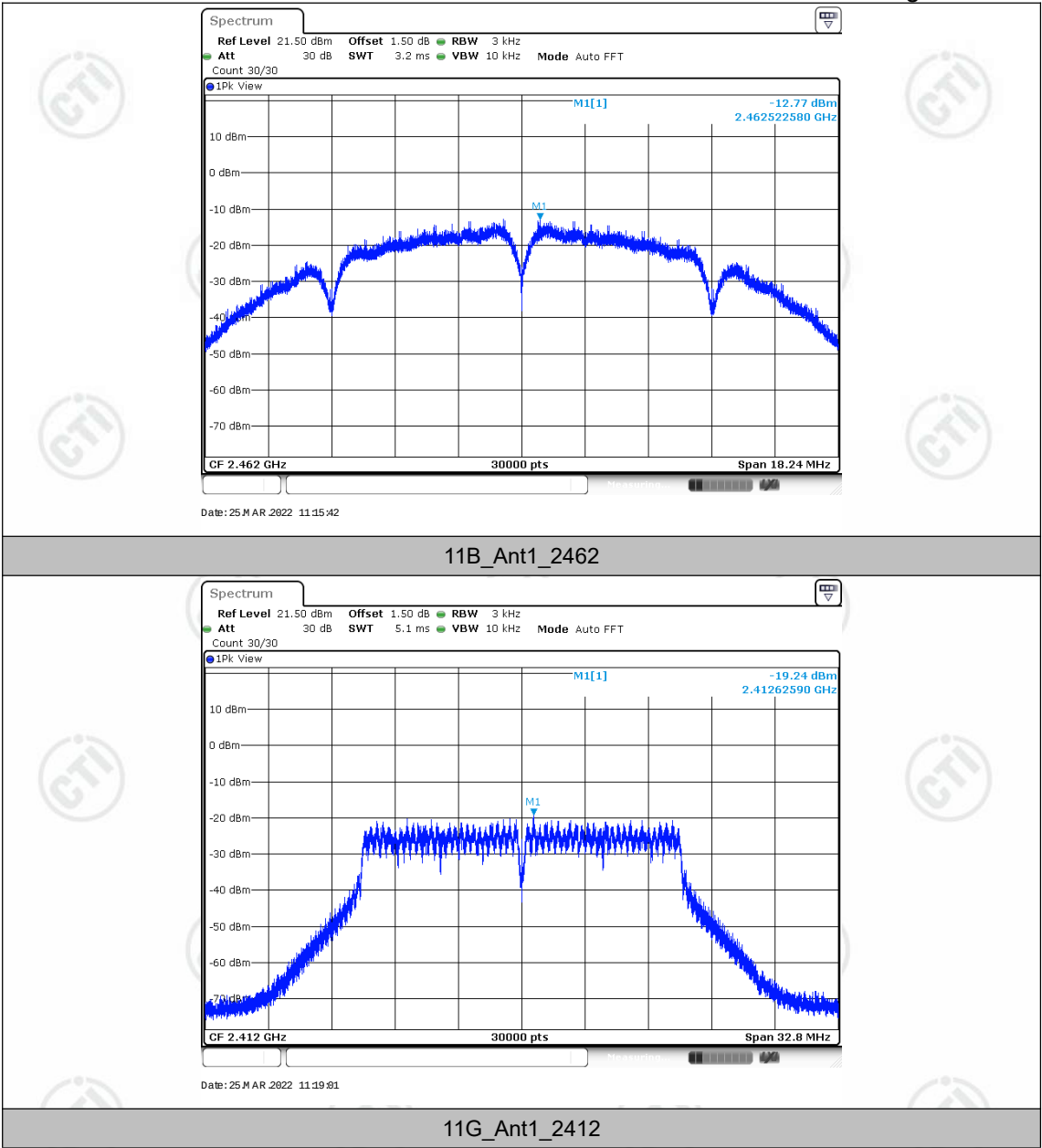
Appendix D: Maximum power spectral density

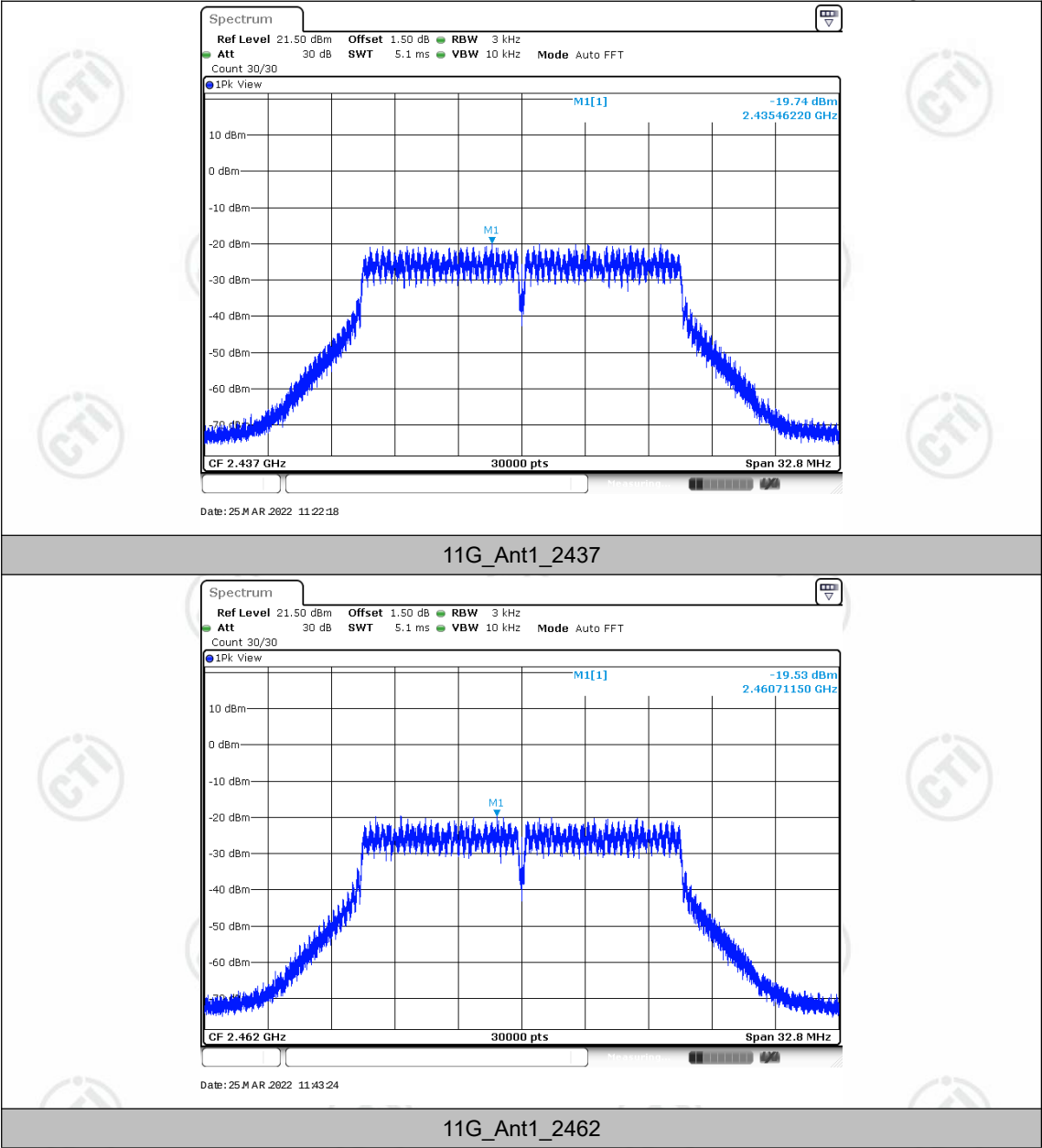
Test Result

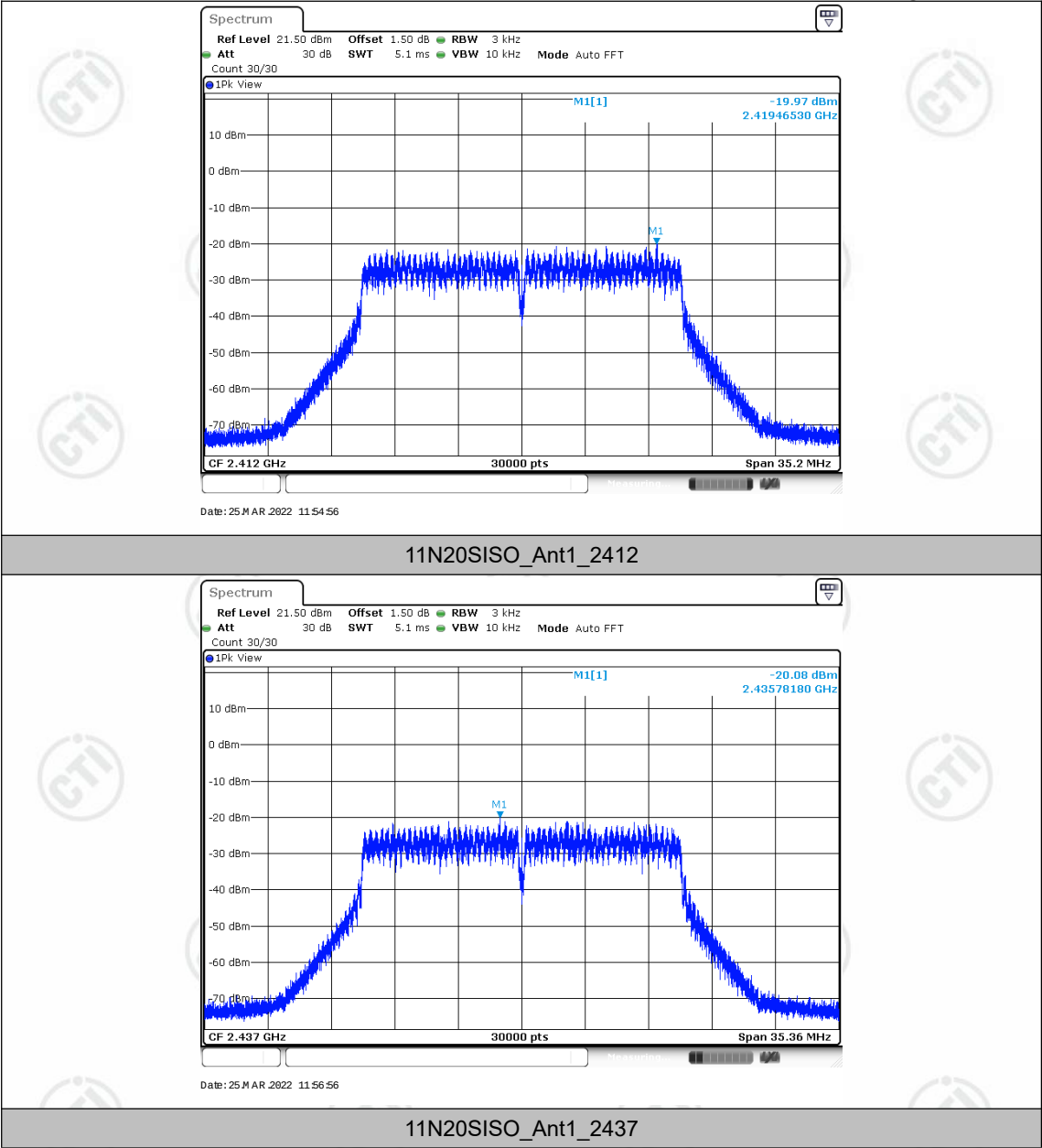
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.32	<=8	PASS
		2437	-12.59	<=8	PASS
		2462	-12.77	<=8	PASS
11G	Ant1	2412	-19.24	<=8	PASS
		2437	-19.74	<=8	PASS
		2462	-19.53	<=8	PASS
11N20SISO	Ant1	2412	-19.97	<=8	PASS
		2437	-20.08	<=8	PASS
		2462	-20.00	<=8	PASS
11N40SISO	Ant1	2422	-23.11	<=8	PASS
		2437	-24.01	<=8	PASS
		2452	-23.67	<=8	PASS

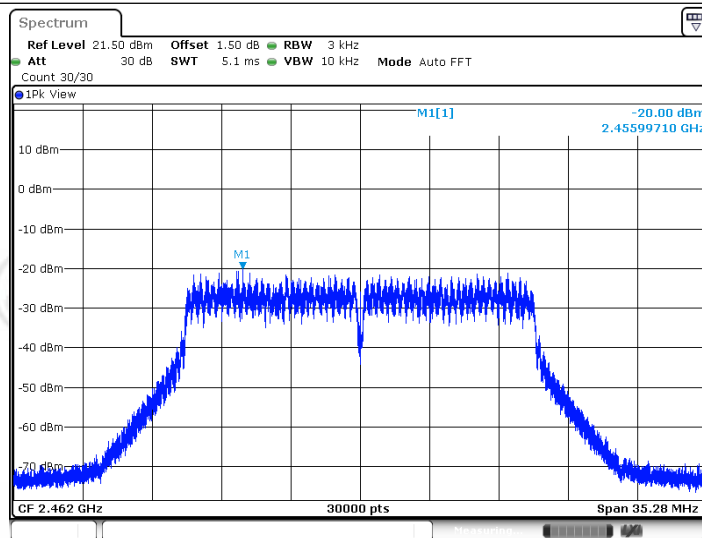
Test Graphs





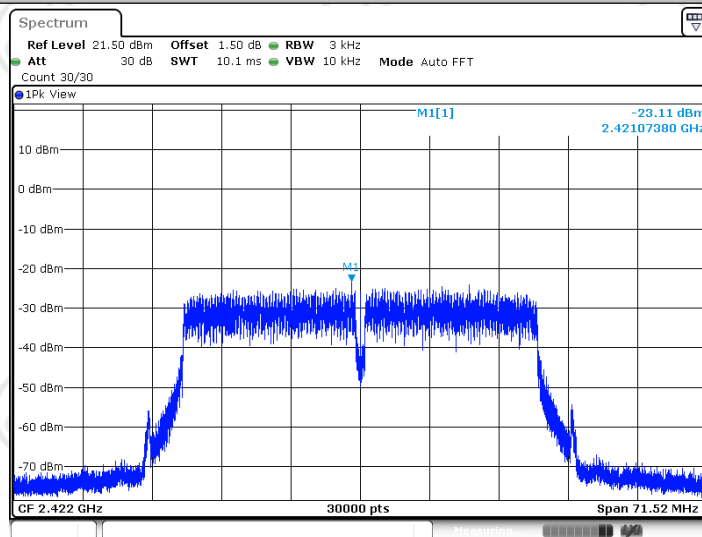






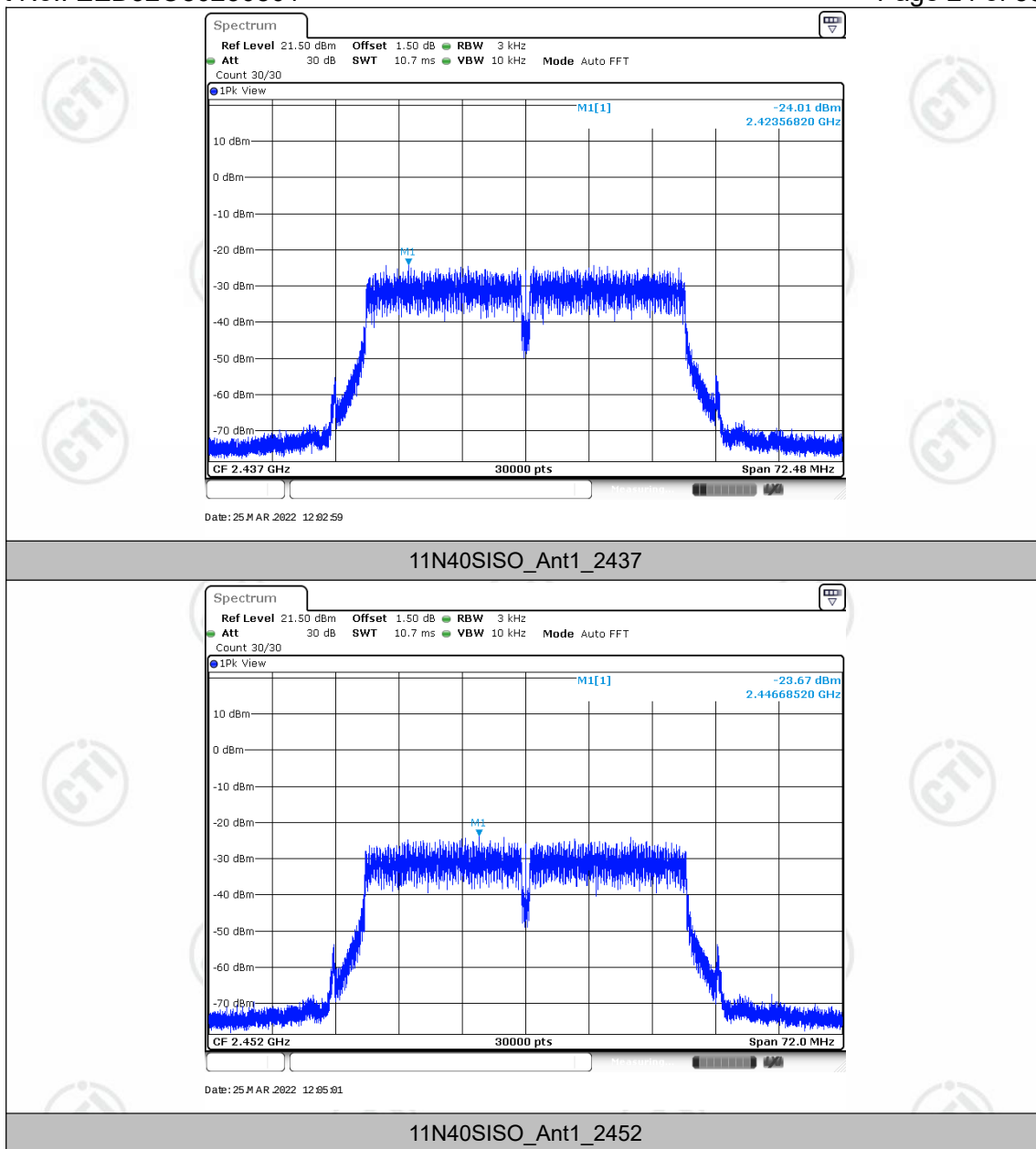
Date: 25 MAR 2022 11:58:40

11N20SISO_Ant1_2462



Date: 25 MAR 2022 12:01:05

11N40SISO_Ant1_2422

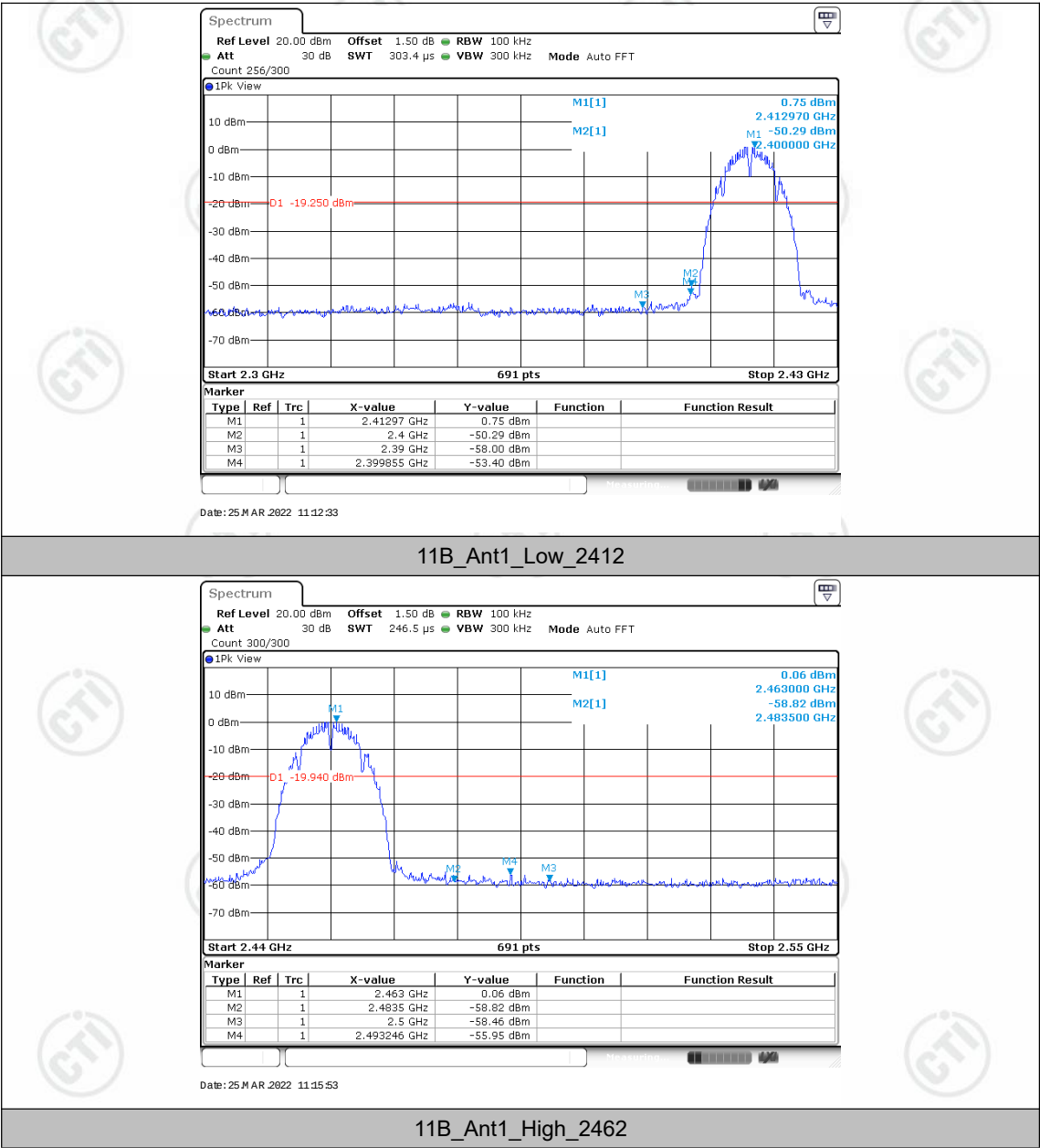


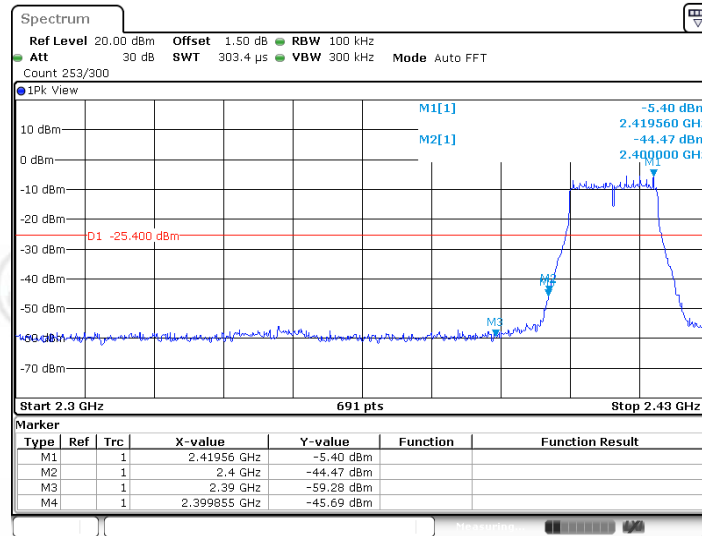
Appendix E: Band edge measurements

Test Result

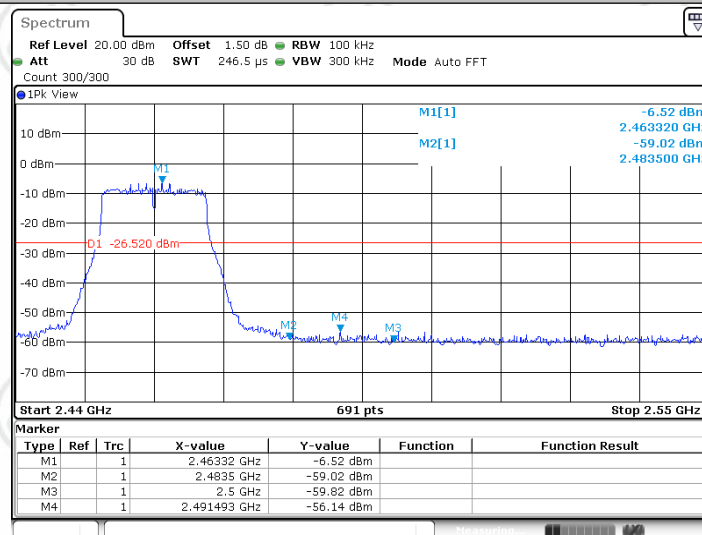
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.75	-53.4	<=-19.25	PASS
		High	2462	0.06	-55.95	<=-19.94	PASS
11G	Ant1	Low	2412	-5.40	-45.69	<=-25.4	PASS
		High	2462	-6.52	-56.14	<=-26.52	PASS
11N20SISO	Ant1	Low	2412	-6.28	-47.58	<=-26.28	PASS
		High	2462	-6.72	-56.47	<=-26.72	PASS
11N40SISO	Ant1	Low	2422	-9.86	-47.52	<=-29.86	PASS
		High	2452	-9.35	-56.46	<=-29.35	PASS

Test Graphs

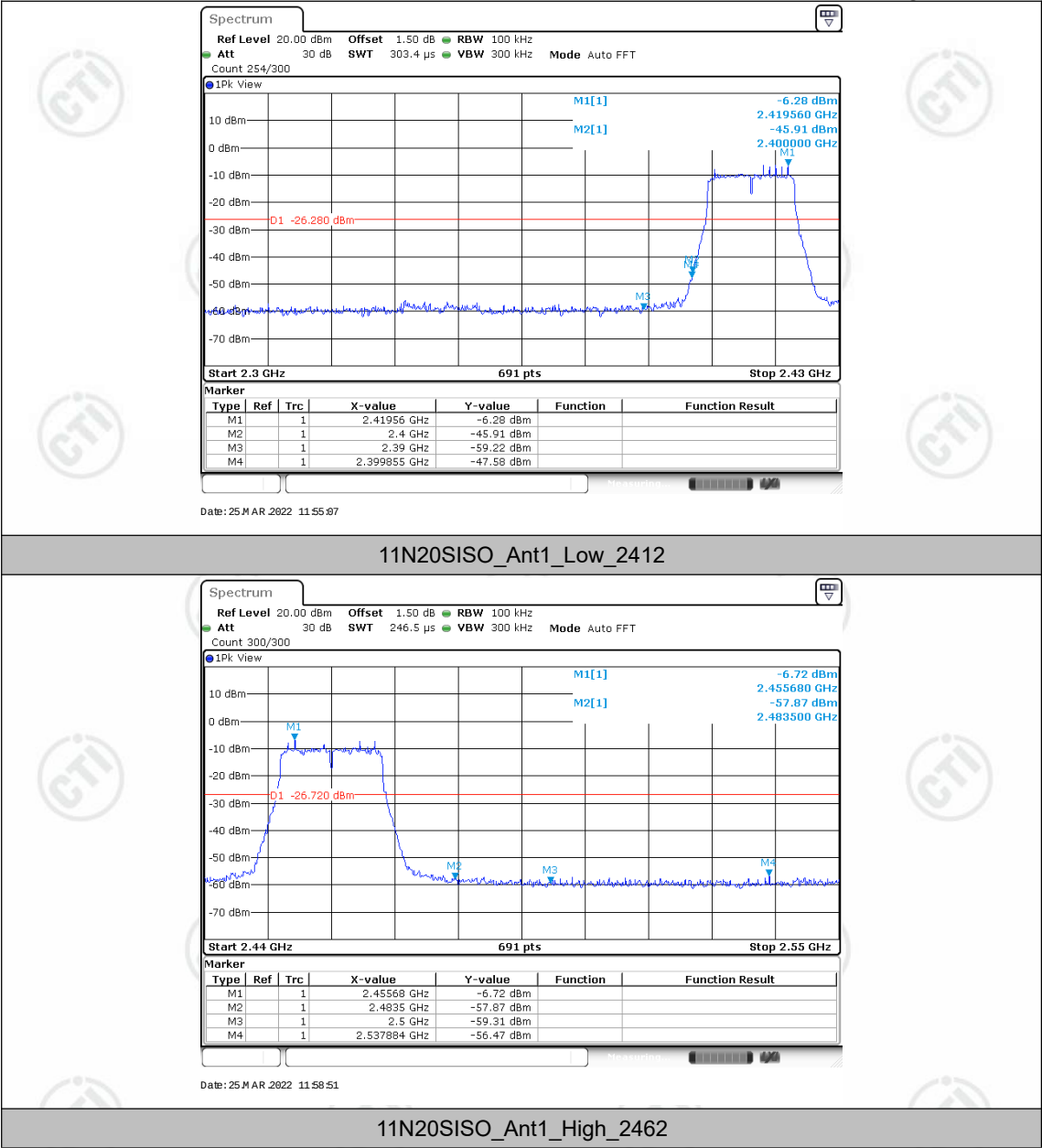


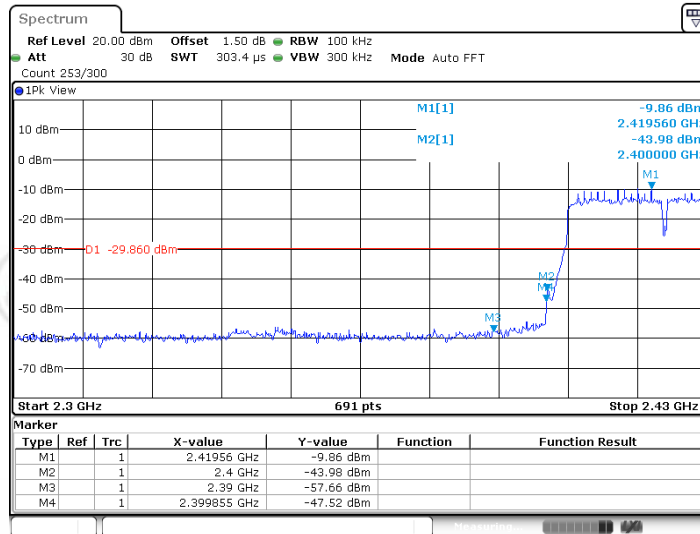


11G_Ant1_Low_2412



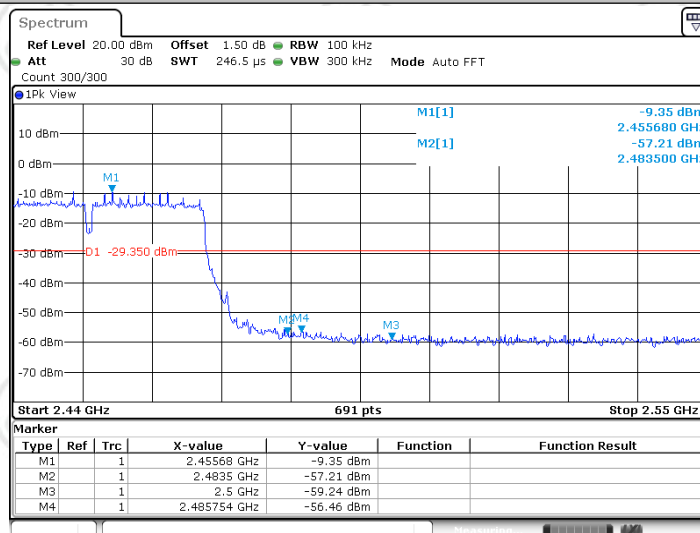
11G_Ant1_High_2462





Date: 25 MAR 2022 12:01:16

11N40SISO_Ant1_Low_2422



Date: 25 MAR 2022 12:05:12

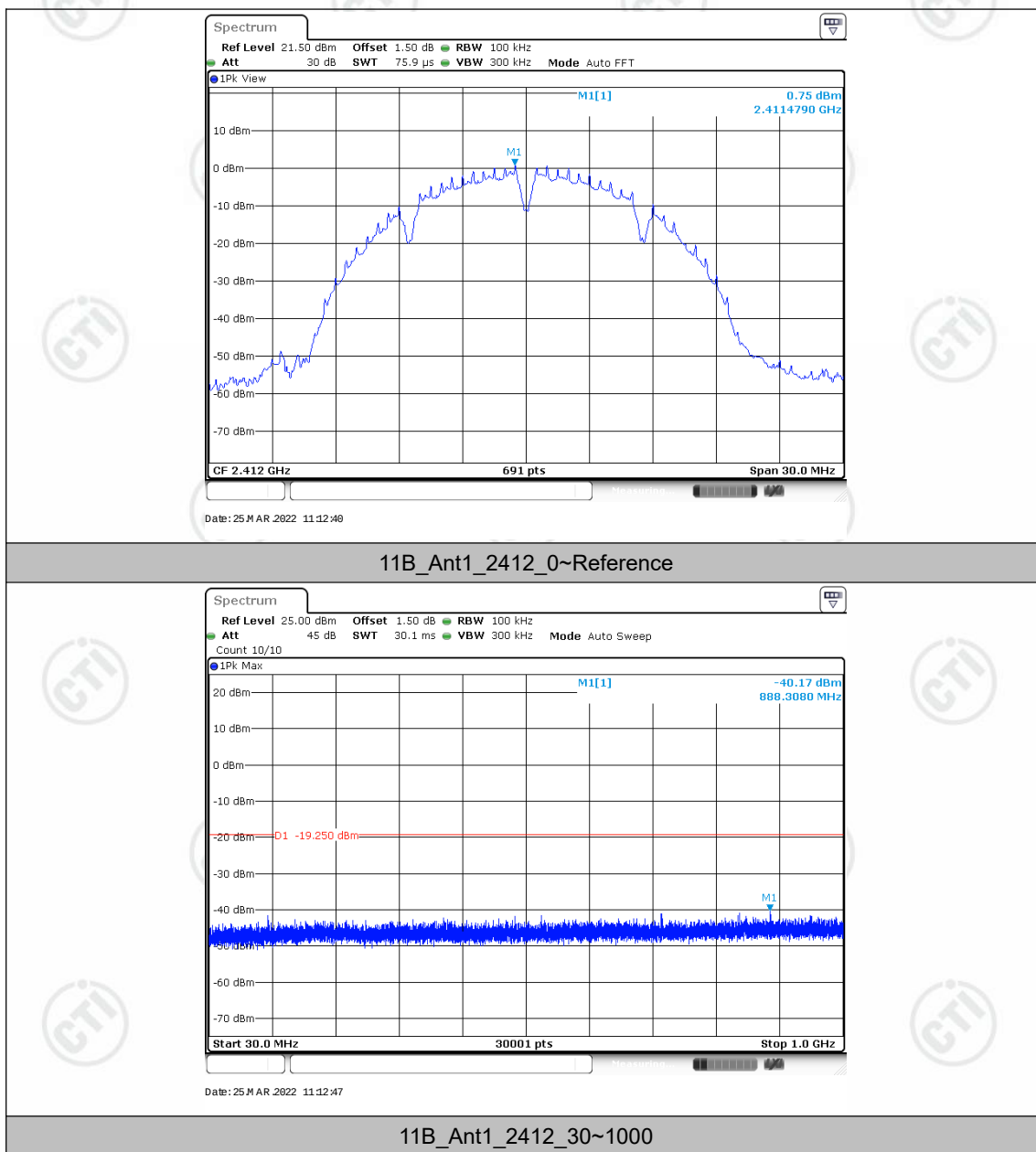
11N40SISO_Ant1_High_2452

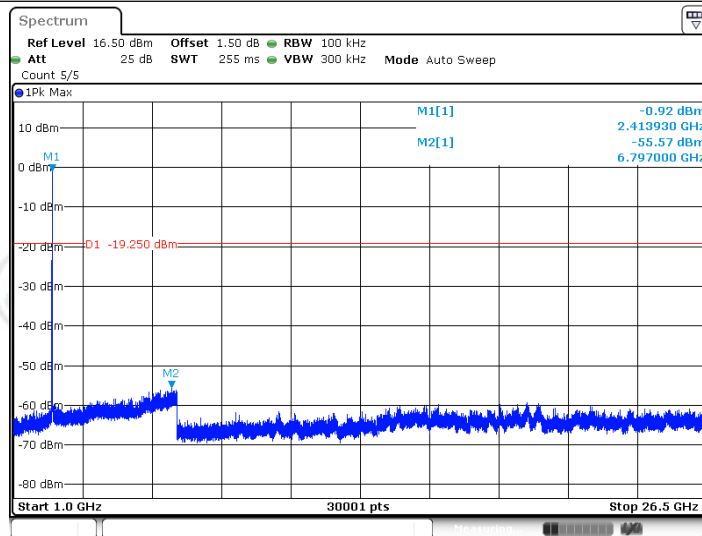
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange[Mhz]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	Reference	0.75	---	PASS
			30~1000	-40.17	<=-19.25	PASS
			1000~26500	-55.57	<=-19.25	PASS
		2437	Reference	1.00	---	PASS
			30~1000	-41.05	<=-19	PASS
			1000~26500	-55.01	<=-19	PASS
		2462	Reference	0.69	---	PASS
			30~1000	-41.06	<=-19.31	PASS
			1000~26500	-55.9	<=-19.31	PASS
11G	Ant1	2412	Reference	-5.41	---	PASS
			30~1000	-40.38	<=-25.41	PASS
			1000~26500	-56.01	<=-25.41	PASS
		2437	Reference	-5.36	---	PASS
			30~1000	-41.28	<=-25.36	PASS
			1000~26500	-56.15	<=-25.36	PASS
		2462	Reference	-5.71	---	PASS
			30~1000	-40.52	<=-25.71	PASS
			1000~26500	-56.02	<=-25.71	PASS
11N20SISO	Ant1	2412	Reference	-6.51	---	PASS
			30~1000	-40.77	<=-26.51	PASS
			1000~26500	-55.72	<=-26.51	PASS
		2437	Reference	-6.52	---	PASS
			30~1000	-40.95	<=-26.52	PASS
			1000~26500	-54.15	<=-26.52	PASS
		2462	Reference	-6.50	---	PASS
			30~1000	-40.58	<=-26.5	PASS
			1000~26500	-56.09	<=-26.5	PASS
11N40SISO	Ant1	2422	Reference	-9.87	---	PASS
			30~1000	-40.77	<=-29.87	PASS
			1000~26500	-55.48	<=-29.87	PASS
		2437	Reference	-9.83	---	PASS
			30~1000	-40.69	<=-29.83	PASS
			1000~26500	-55.51	<=-29.83	PASS
		2452	Reference	-9.57	---	PASS
			30~1000	-40.74	<=-29.57	PASS
			1000~26500	-55.86	<=-29.57	PASS

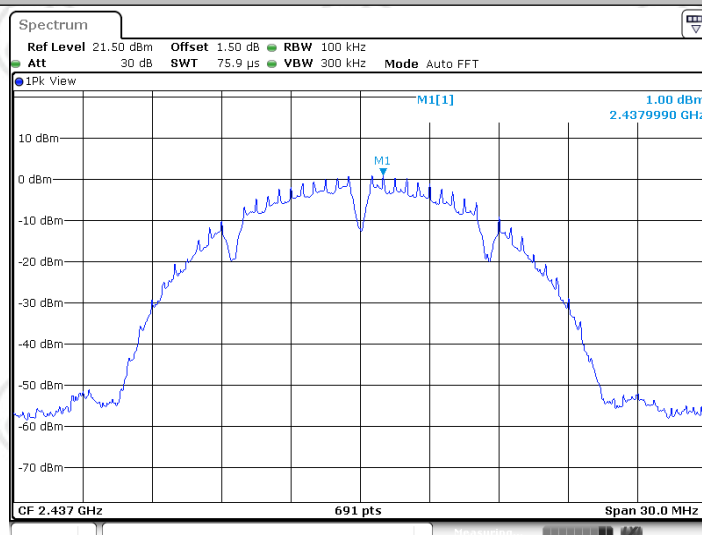
Test Graphs





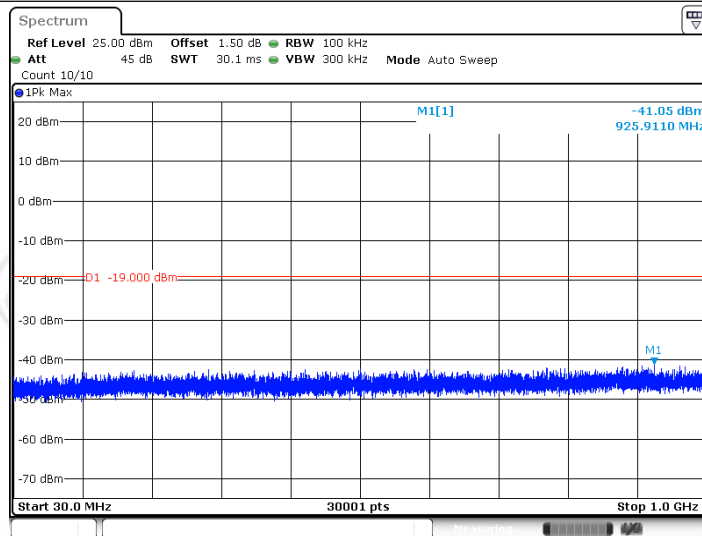
Date: 25 MAR 2022 11:13:12

11B_Ant1_2412_1000~26500



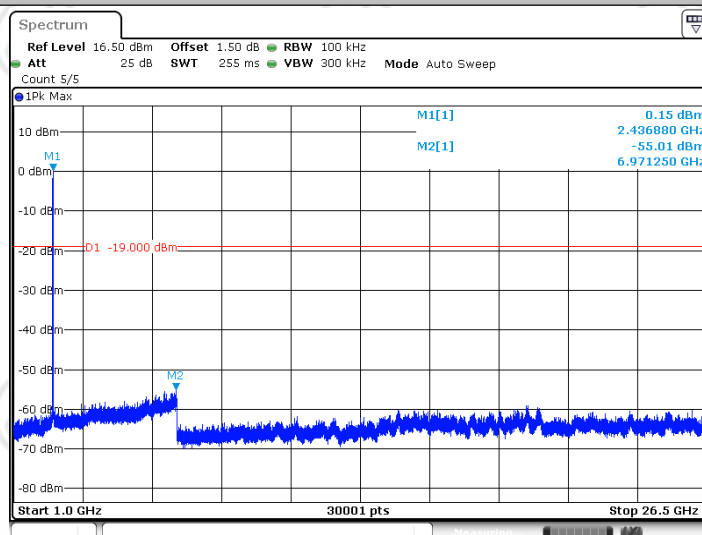
Date: 25 MAR 2022 11:14:15

11B_Ant1_2437_0~Reference



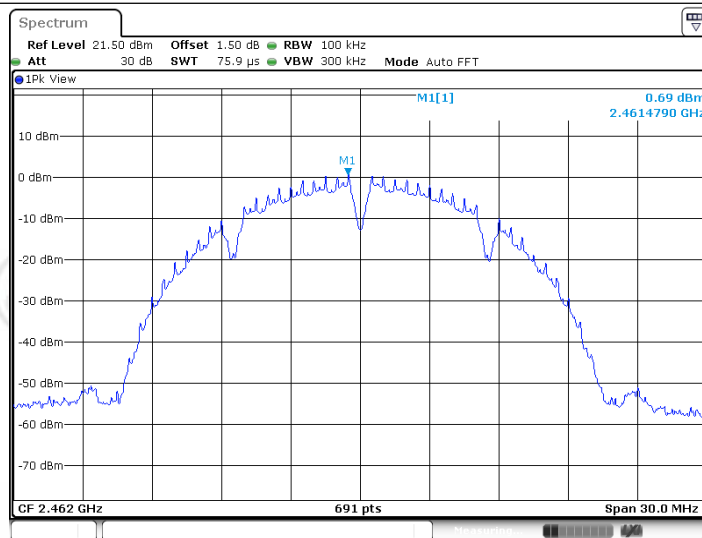
Date: 25 MAR 2022 11:14:22

11B_Ant1_2437_30~1000



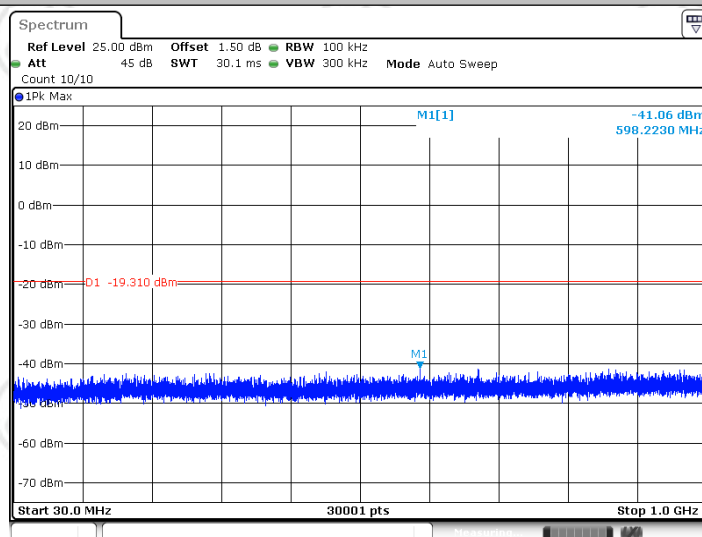
Date: 25 MAR 2022 11:14:46

11B_Ant1_2437_1000~26500



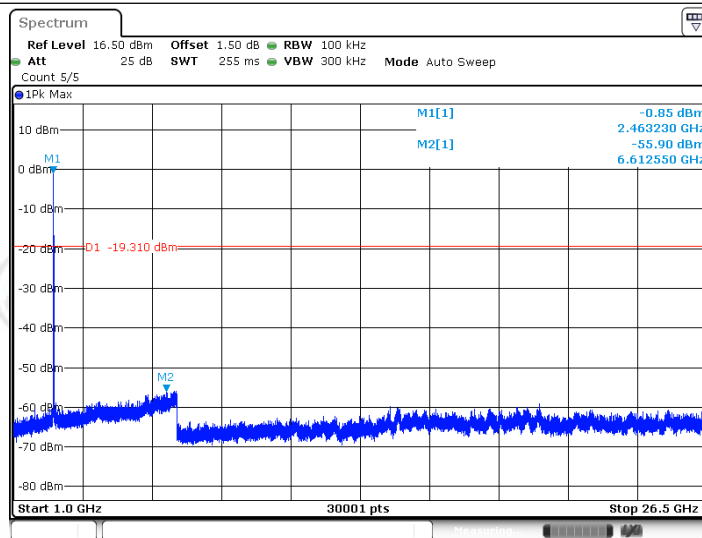
Date: 25 MAR 2022 11:16:30

11B_Ant1_2462_0~Reference



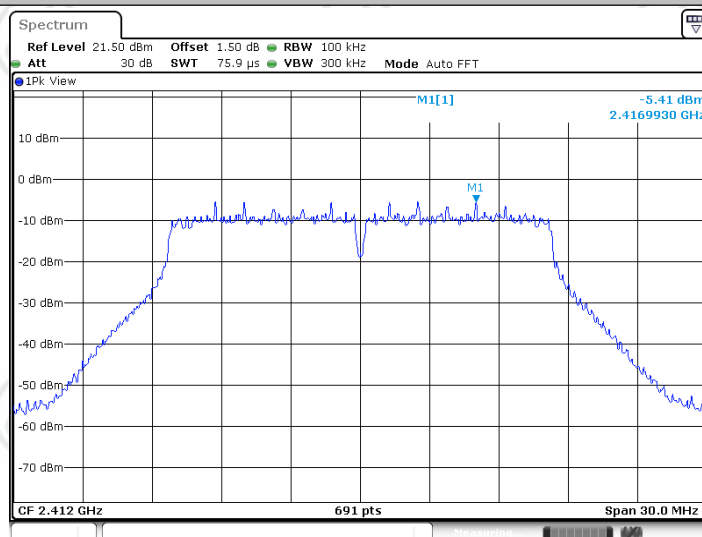
Date: 25 MAR 2022 11:16:37

11B_Ant1_2462_30~1000



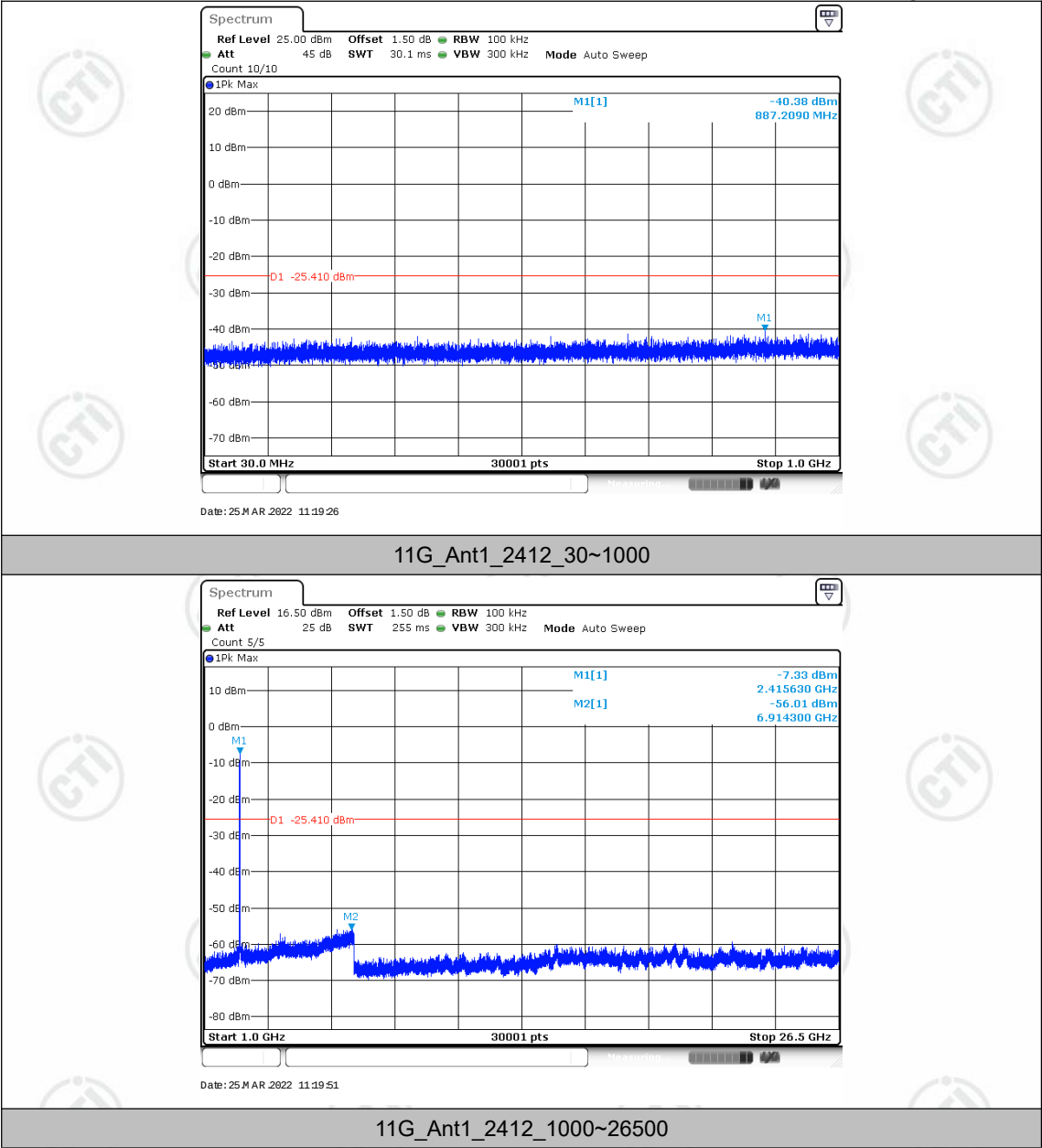
Date: 25 MAR 2022 11:16:32

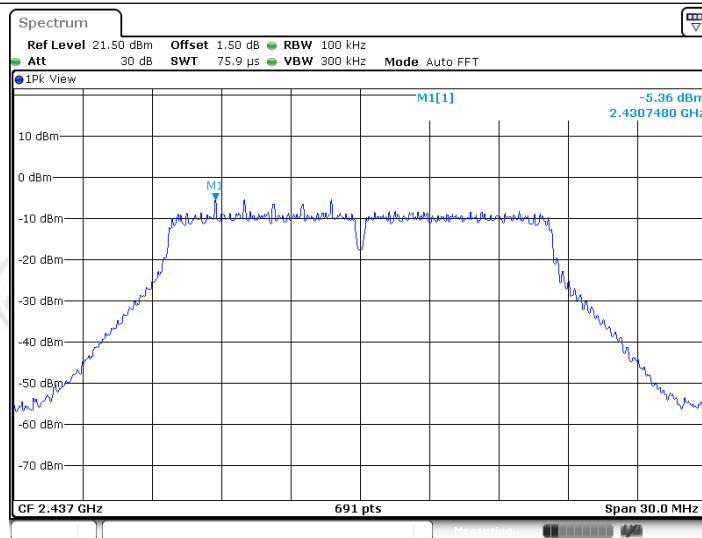
11B_Ant1_2462_1000~26500



Date: 25 MAR 2022 11:19:19

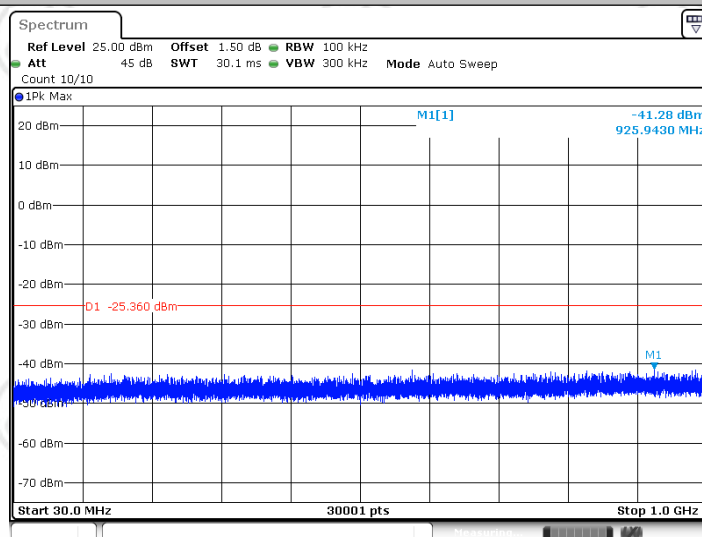
11G_Ant1_2412_0~Reference





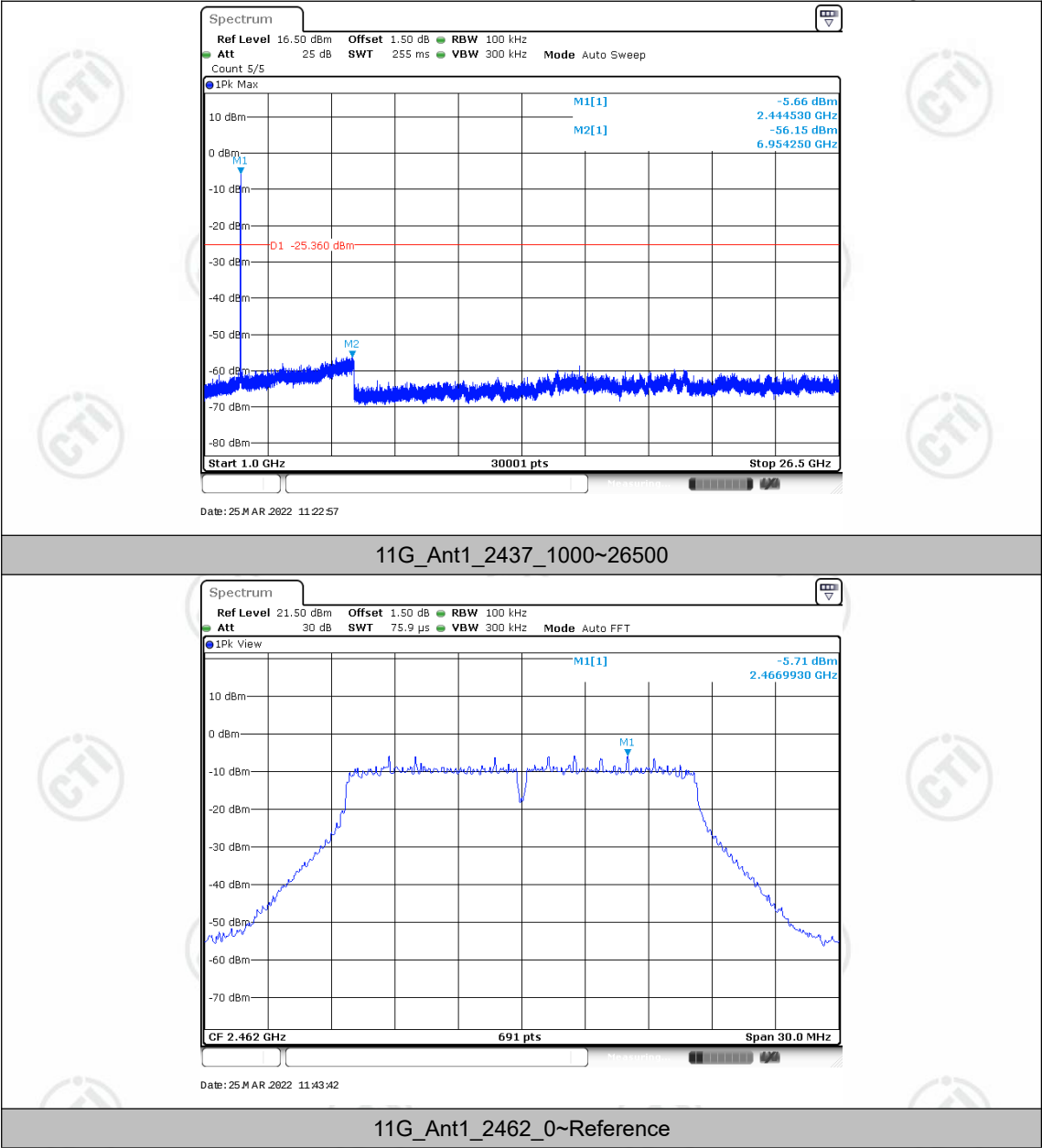
Date: 25 MAR 2022 11:22:25

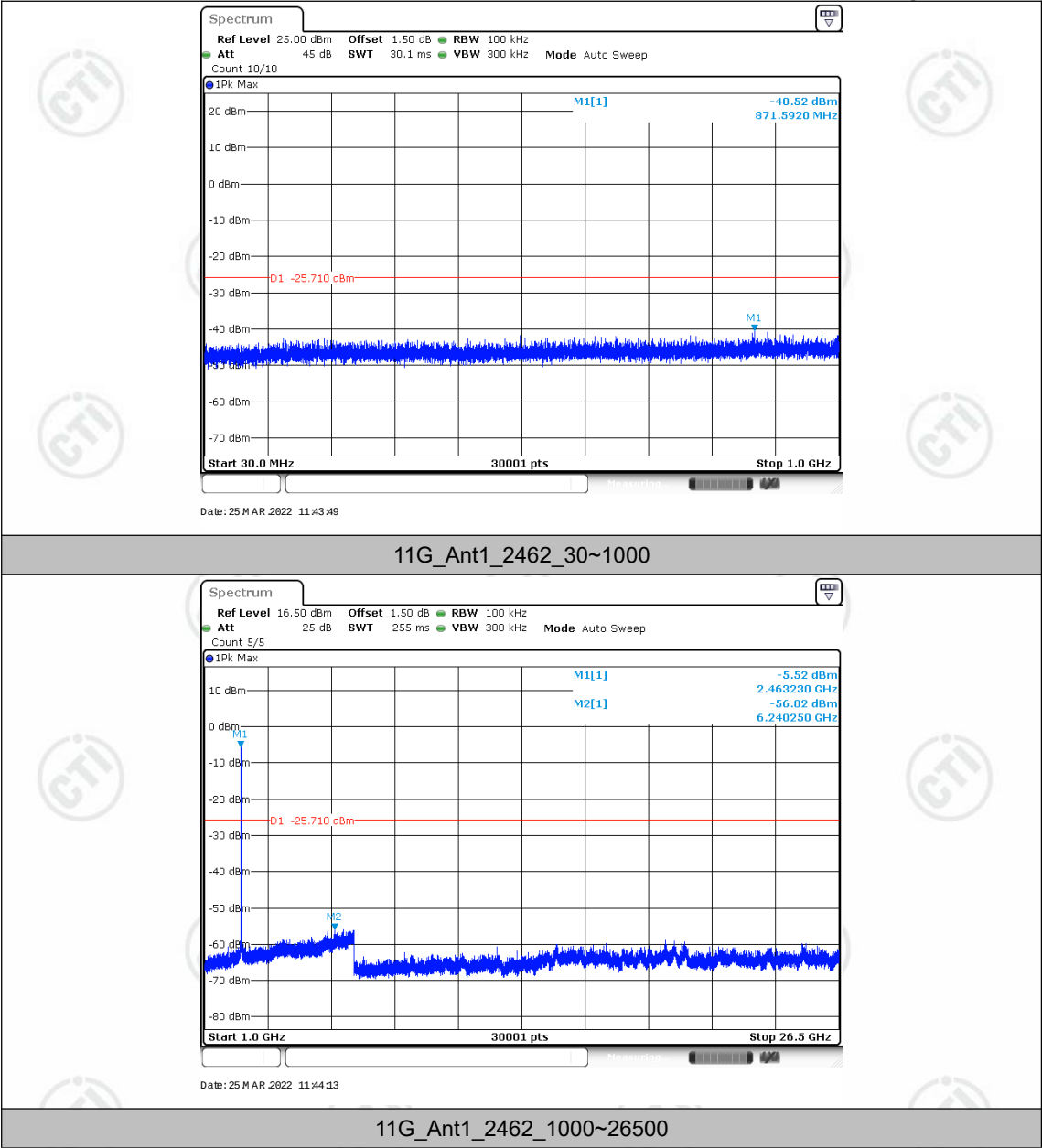
11G_Ant1_2437_0~Reference

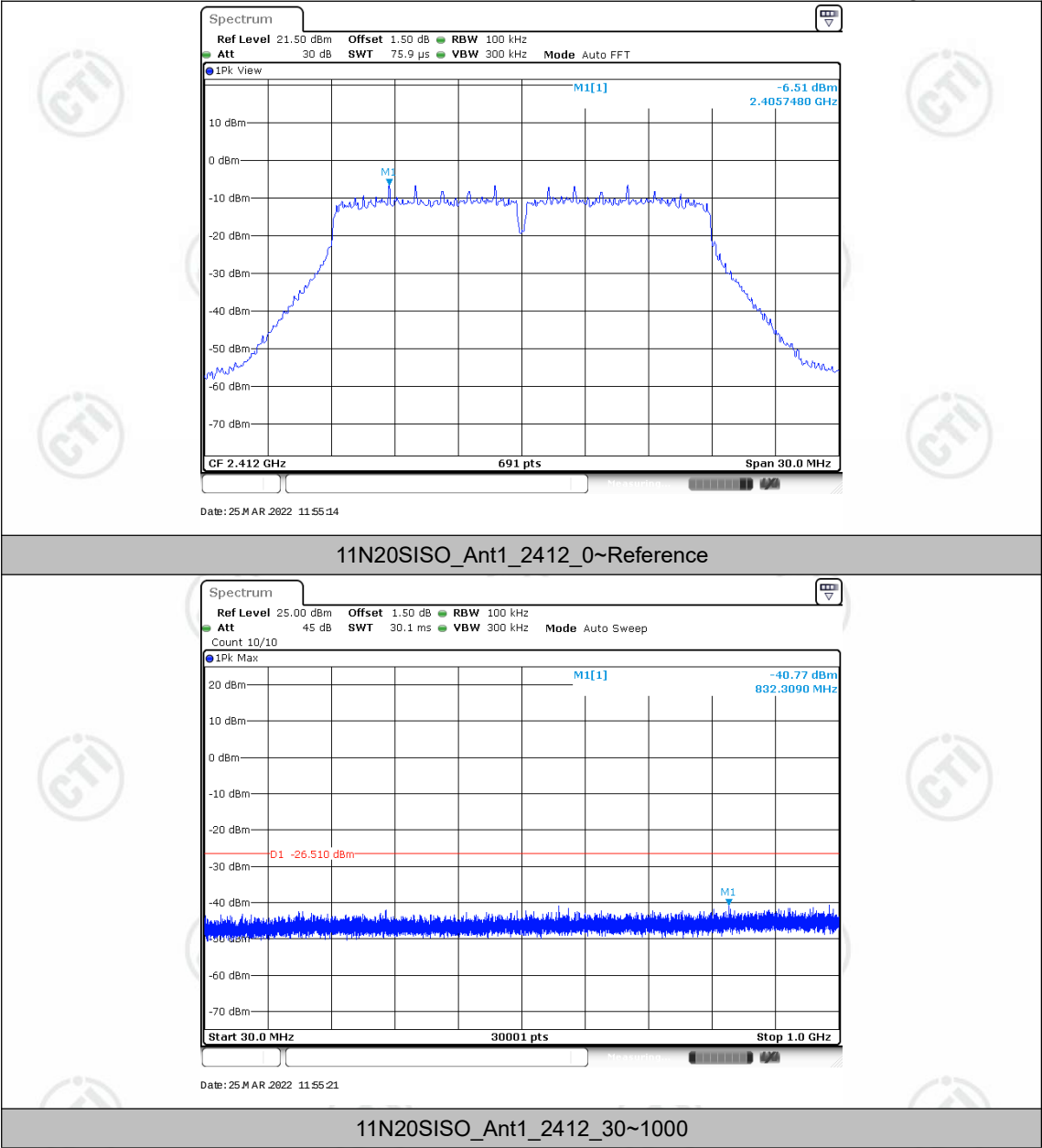


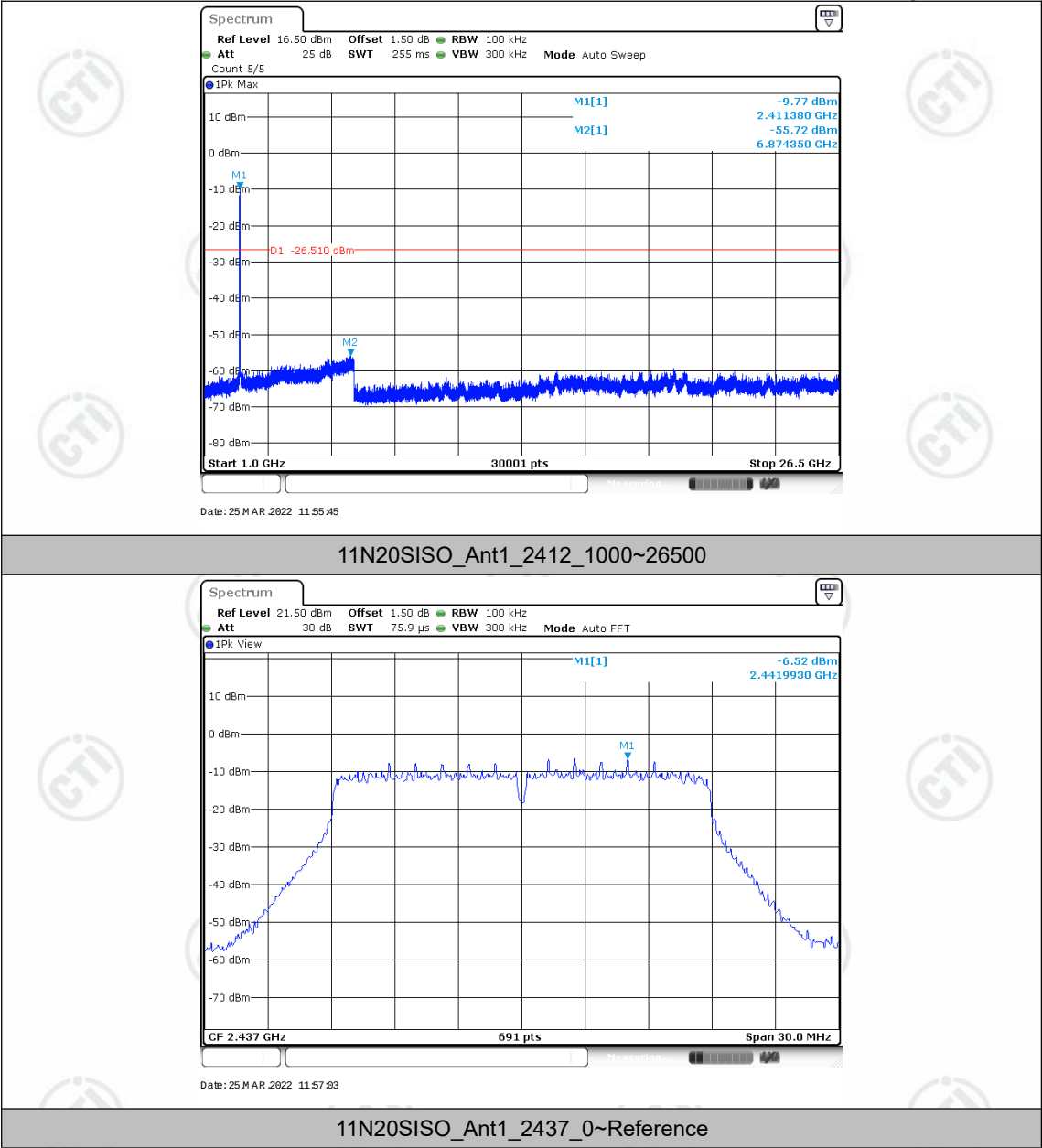
Date: 25 MAR 2022 11:22:32

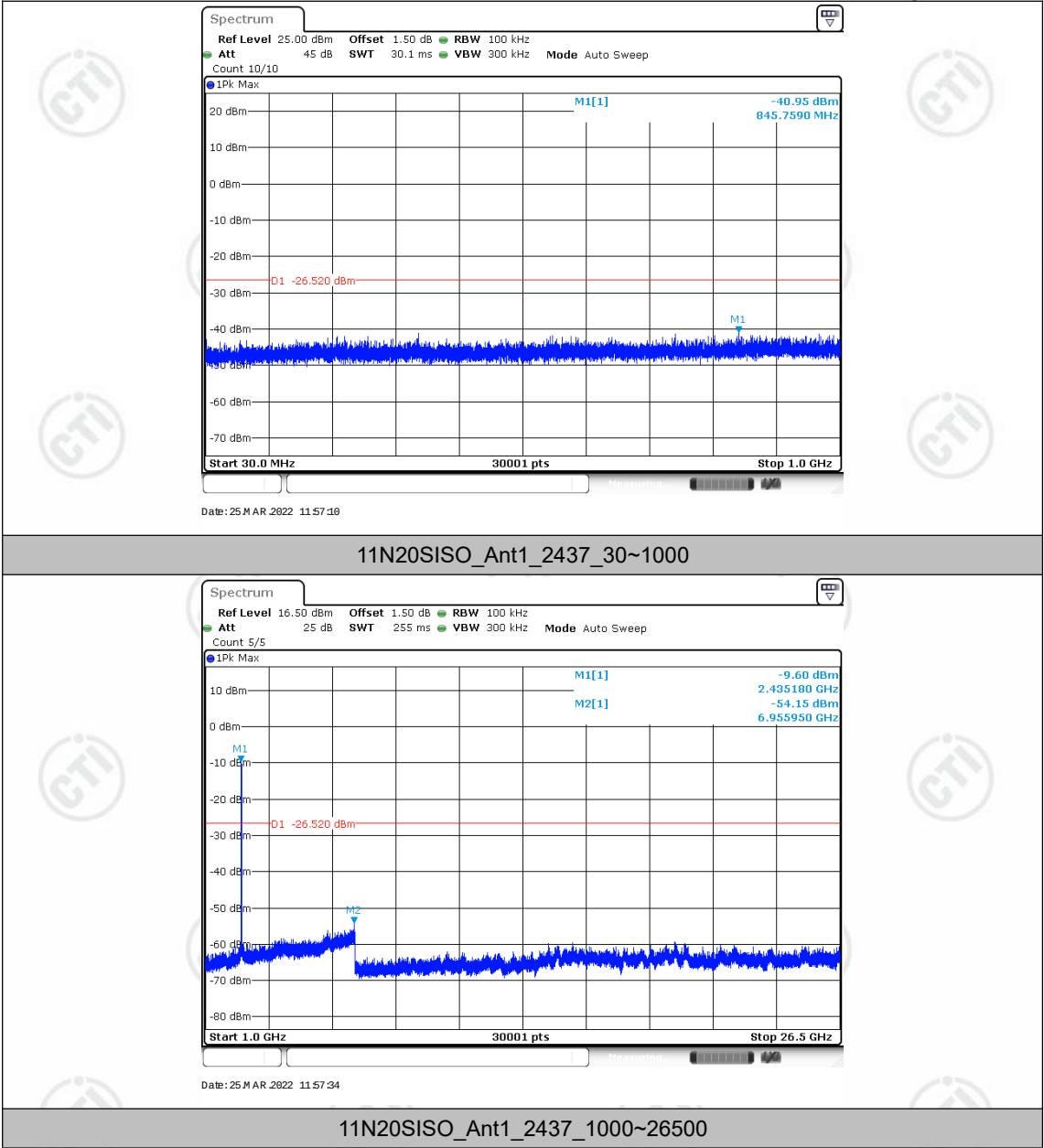
11G_Ant1_2437_30~1000

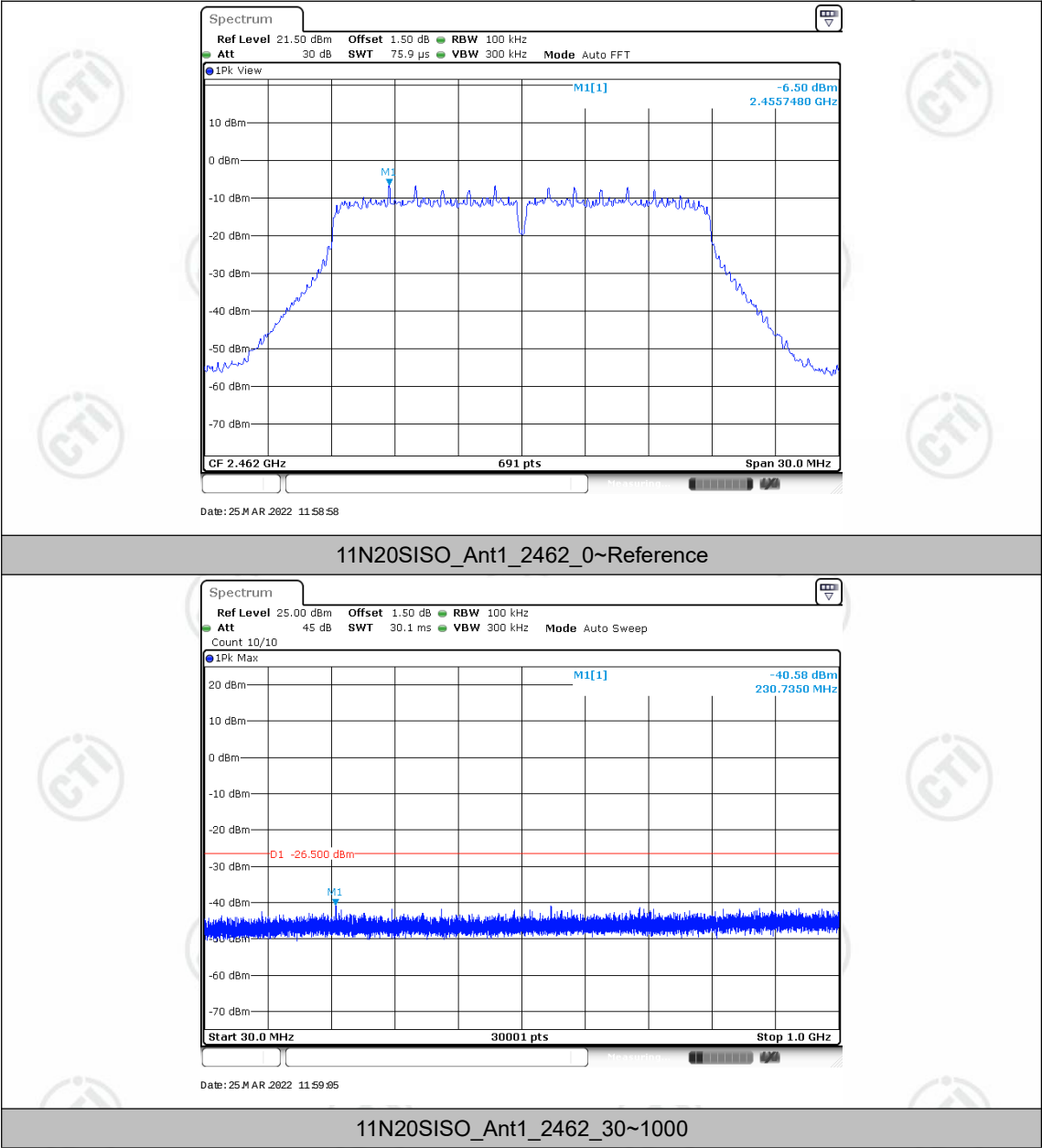


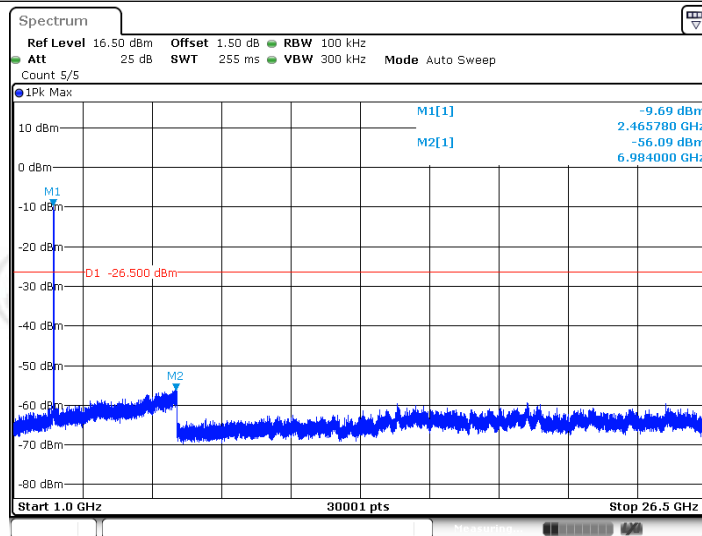






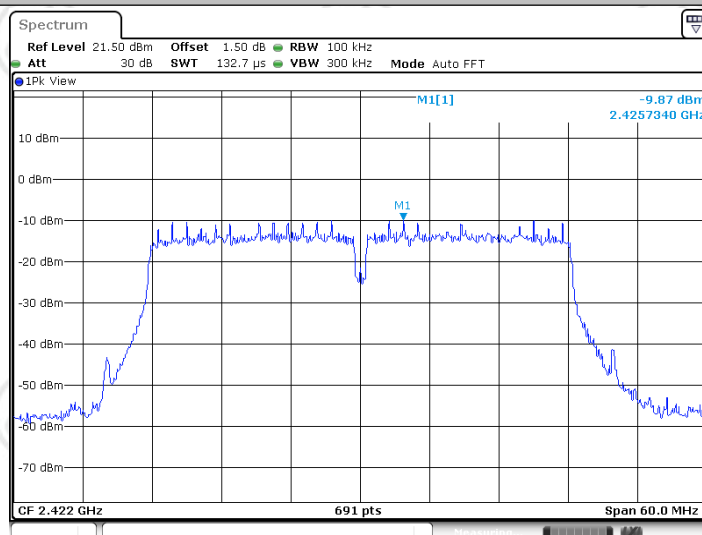






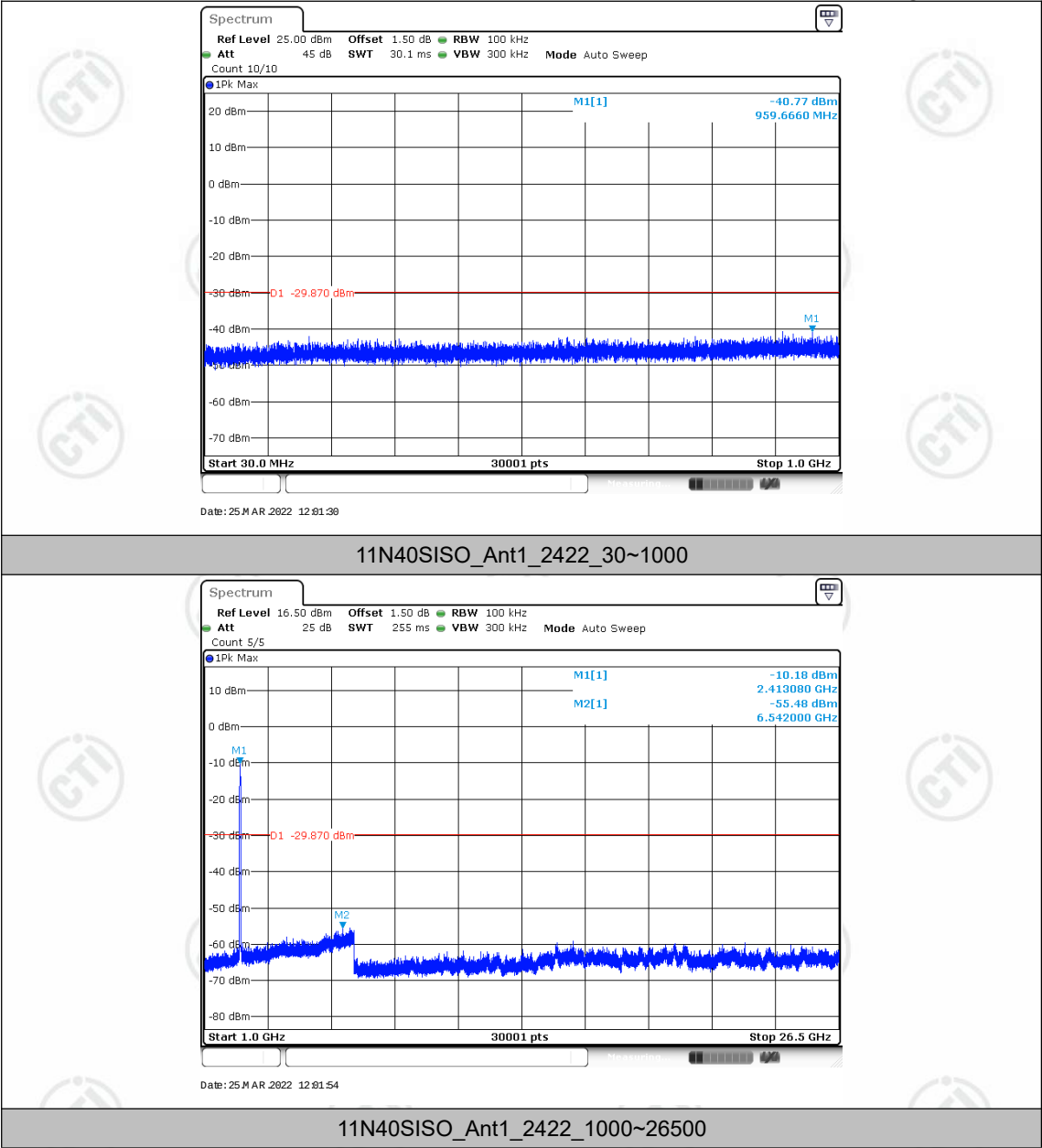
Date: 25 MAR 2022 11:59:29

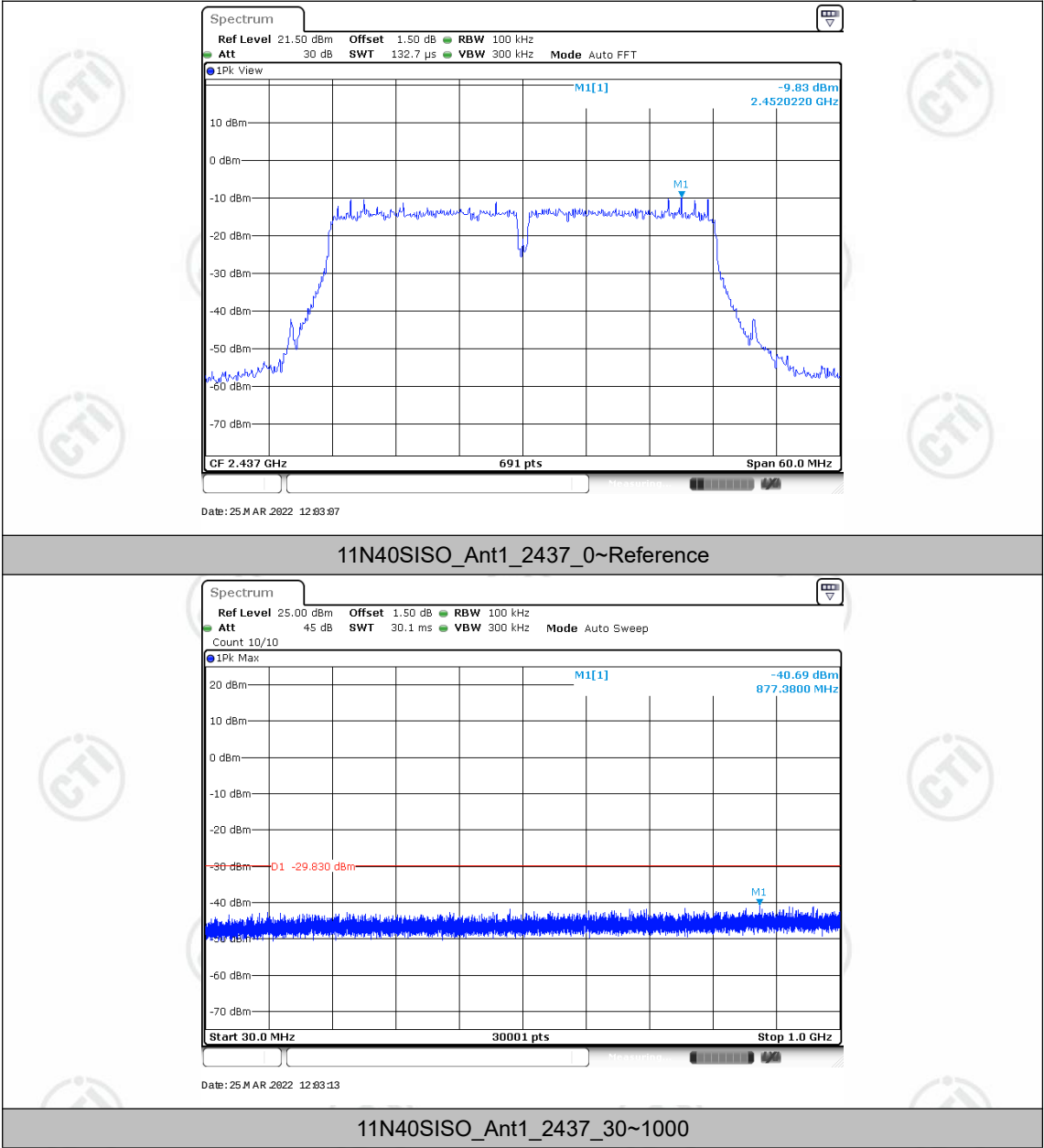
11N20SISO_Ant1_2462_1000~26500

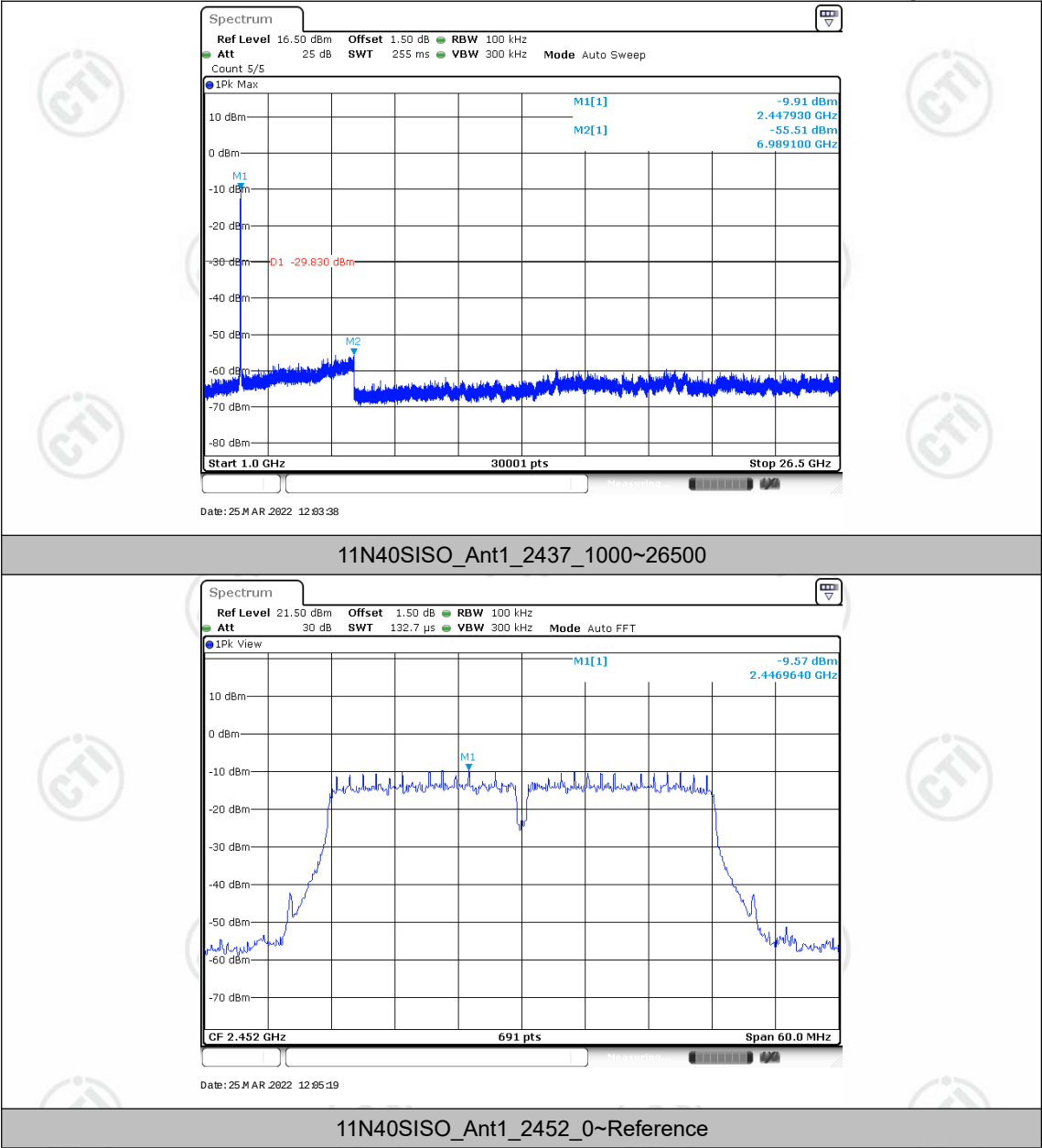


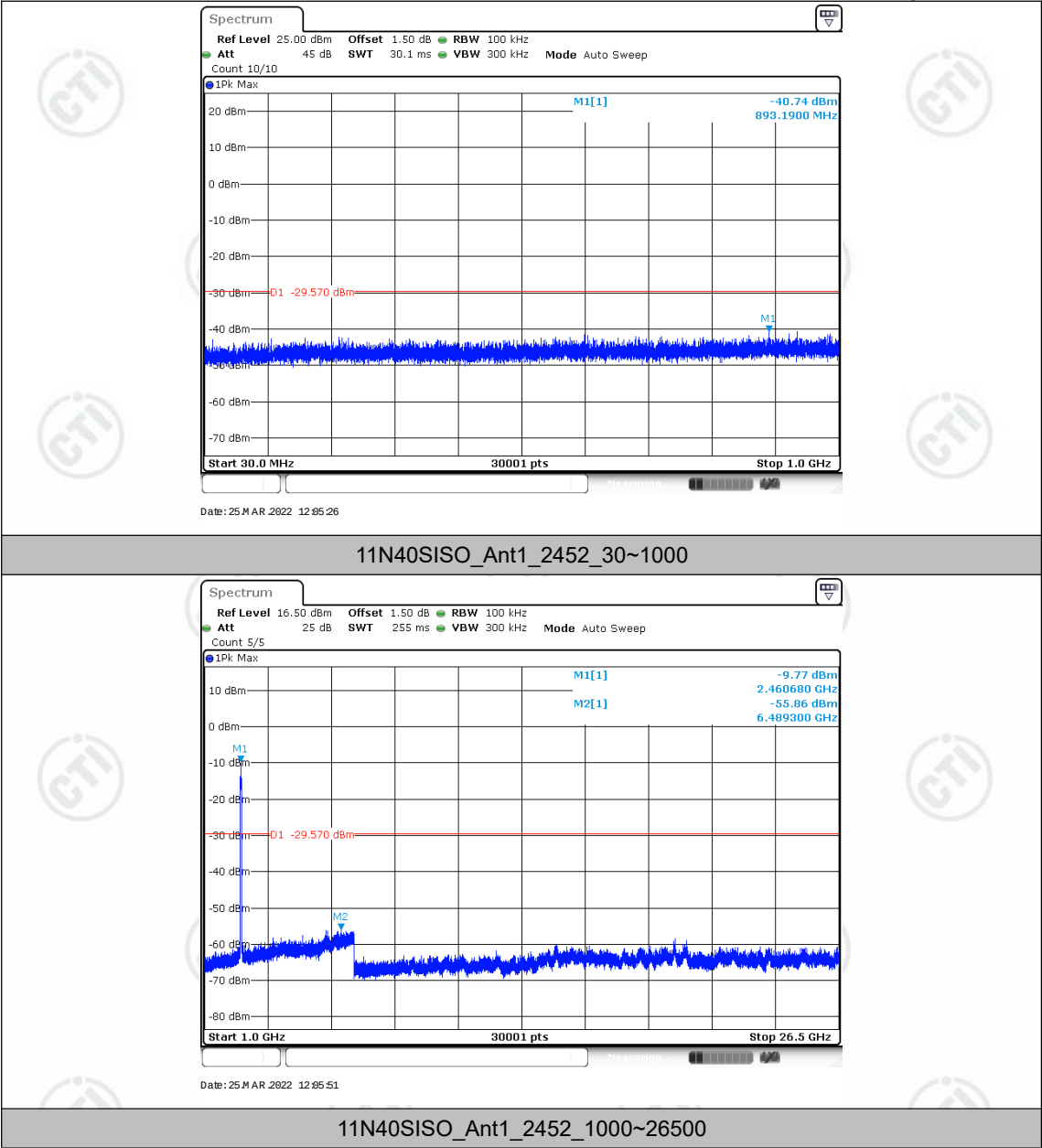
Date: 25 MAR 2022 12:01:23

11N40SISO_Ant1_2422_0~Reference







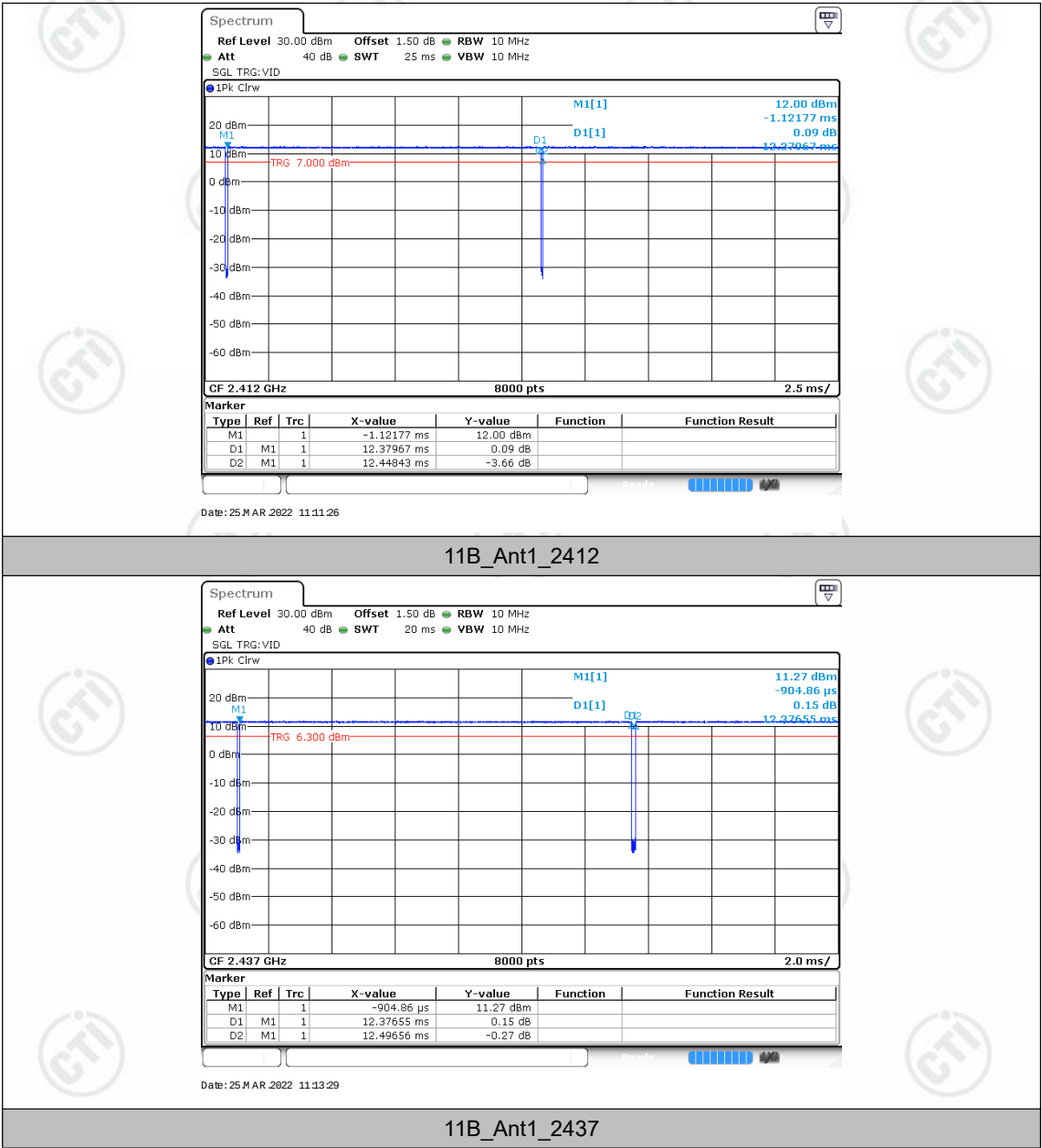


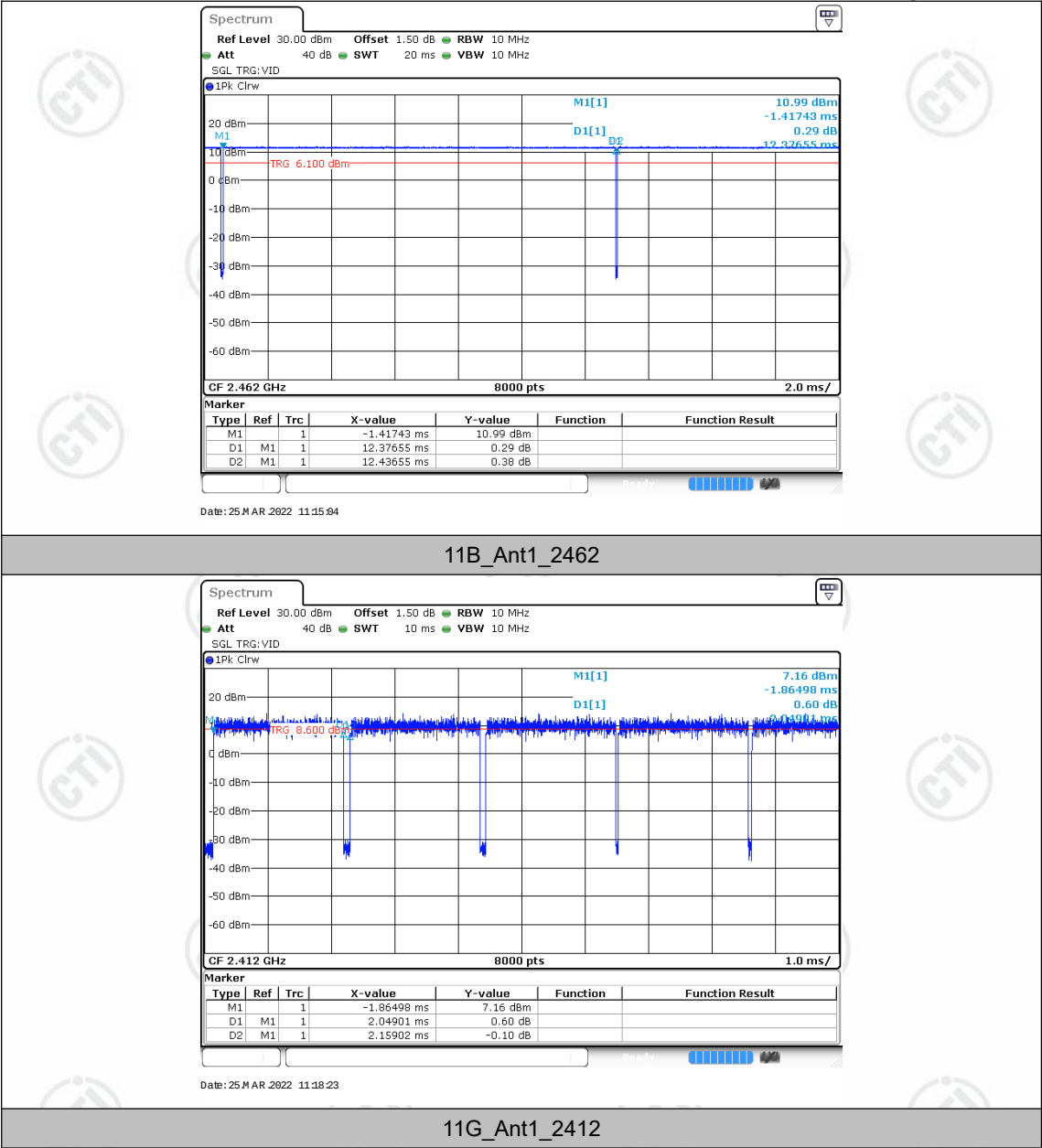
Appendix G: Duty Cycle

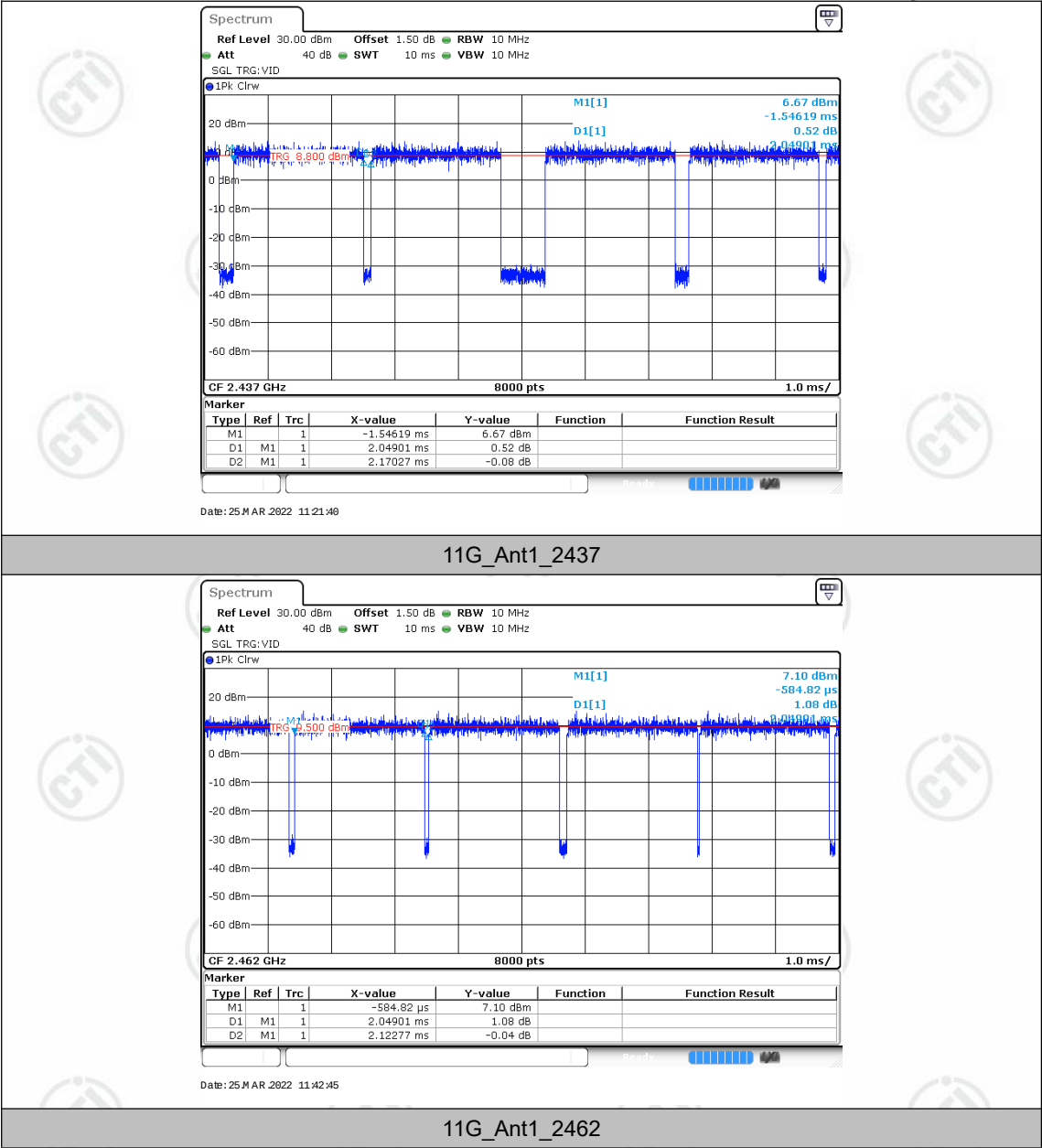
Test Result

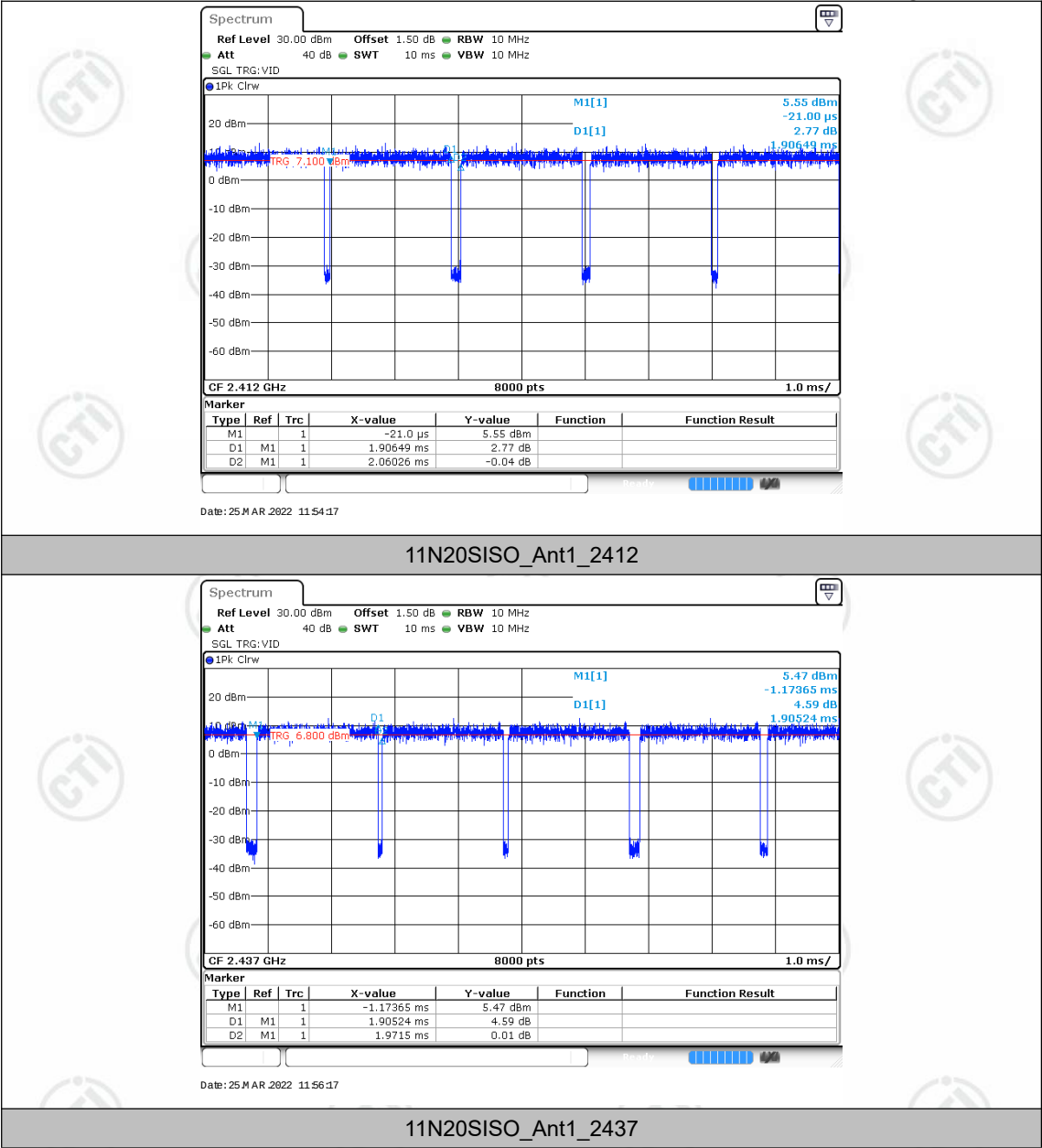
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	12.38	12.45	99.44	---	PASS
		2437	12.38	12.50	99.04	---	PASS
		2462	12.38	12.44	99.52	---	PASS
11G	Ant1	2412	2.05	2.16	94.91	---	PASS
		2437	2.05	2.17	94.47	---	PASS
		2462	2.05	2.12	96.70	---	PASS
11N20SISO	Ant1	2412	1.91	2.06	92.72	---	PASS
		2437	1.91	1.97	96.95	---	PASS
		2462	1.91	1.96	97.45	---	PASS
11N40SISO	Ant1	2422	0.94	1.08	87.04	---	PASS
		2437	0.94	0.99	94.95	---	PASS
		2452	0.94	1.01	93.07	---	PASS

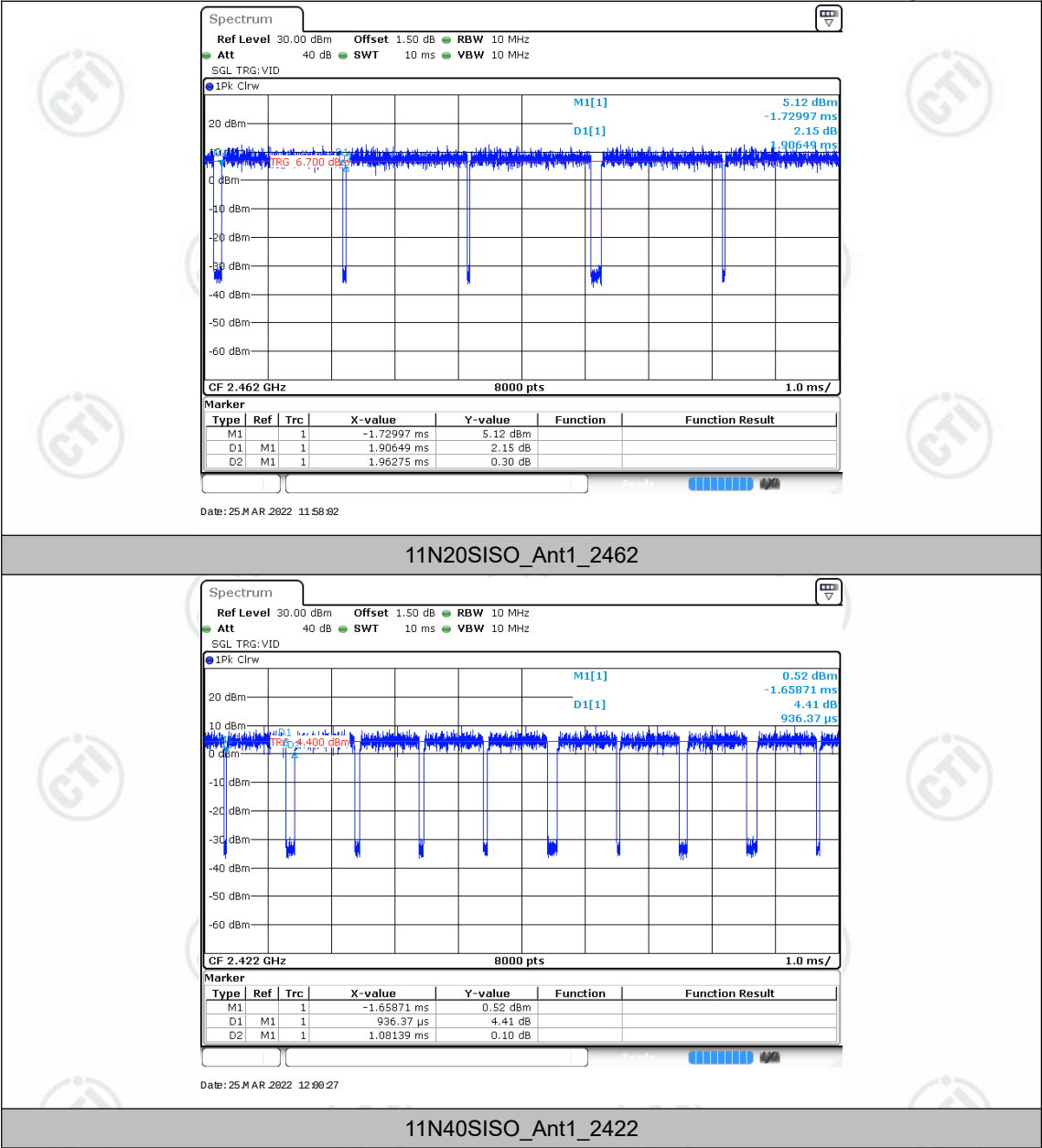
Test Graphs

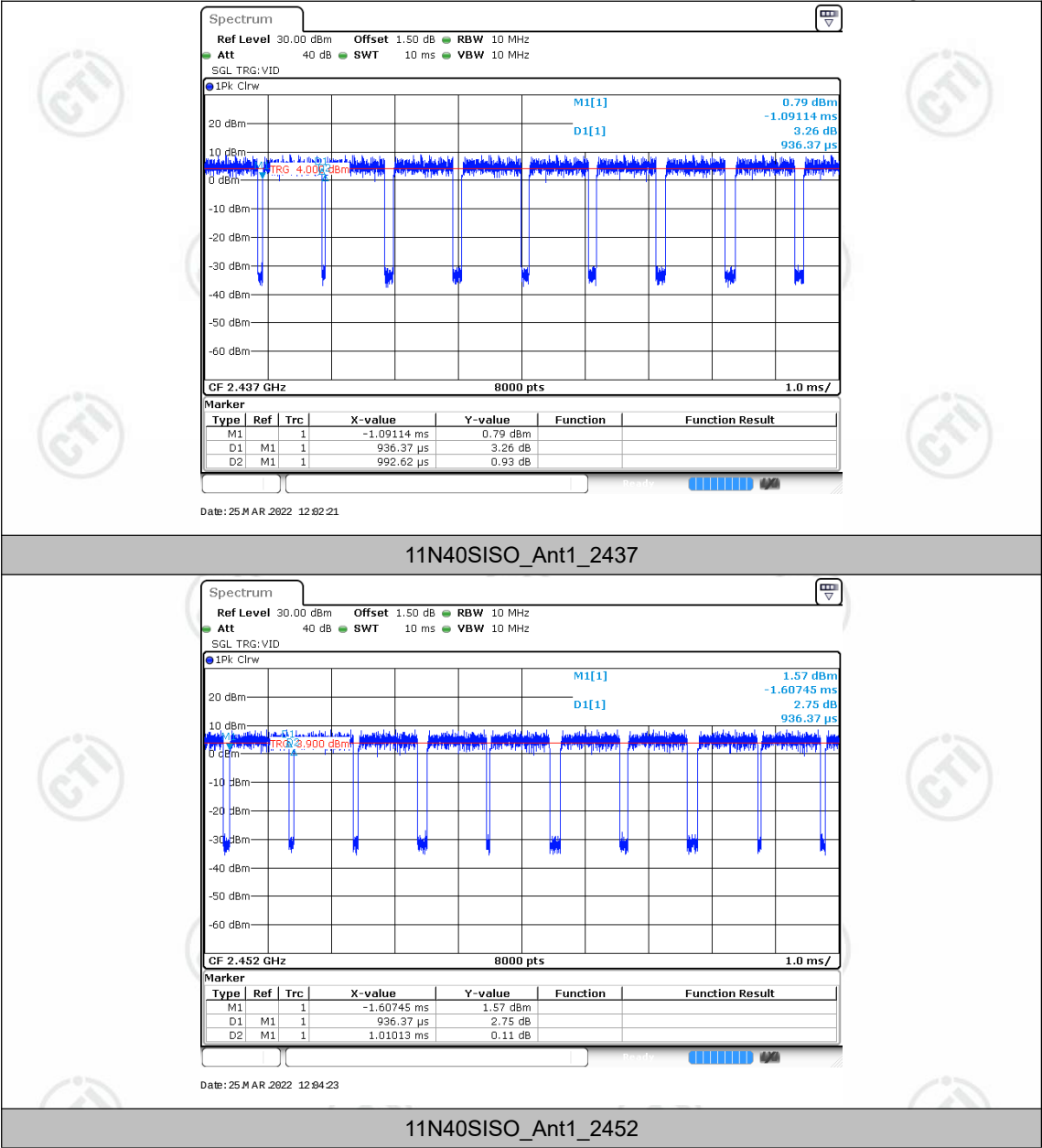












*** End of Report ***