



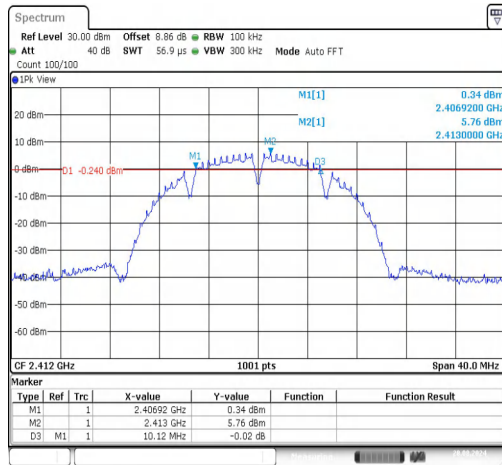
Appendix A: DTS Bandwidth

Test Result

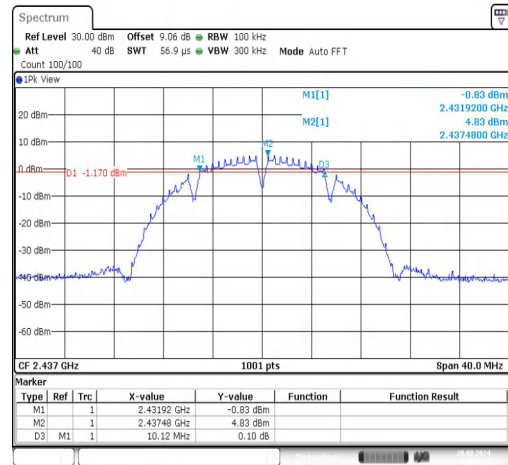
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.12	2406.92	2417.04	0.5	PASS
11B	Ant1	2437	10.12	2431.92	2442.04	0.5	PASS
11B	Ant1	2462	10.12	2456.92	2467.04	0.5	PASS
11G	Ant1	2412	16.56	2403.68	2420.24	0.5	PASS
11G	Ant1	2437	16.60	2428.68	2445.28	0.5	PASS
11G	Ant1	2462	16.60	2453.68	2470.28	0.5	PASS
11N20SISO	Ant1	2412	17.72	2403.08	2420.80	0.5	PASS
11N20SISO	Ant1	2437	17.80	2428.08	2445.88	0.5	PASS
11N20SISO	Ant1	2462	17.64	2453.16	2470.80	0.5	PASS
11N40SISO	Ant1	2422	36.56	2403.68	2440.24	0.5	PASS
11N40SISO	Ant1	2437	36.56	2418.68	2455.24	0.5	PASS
11N40SISO	Ant1	2452	36.56	2433.68	2470.24	0.5	PASS



Test Graphs

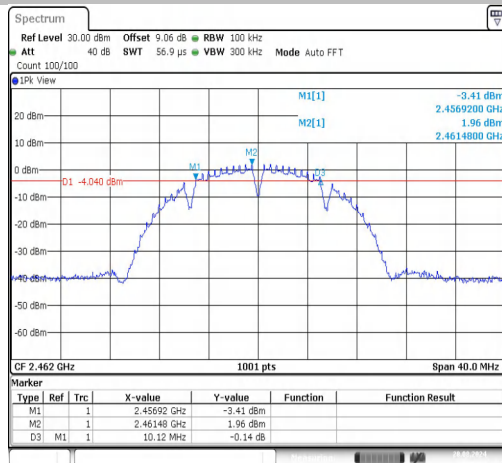


Date: 28.AUG.2024 16:58:29



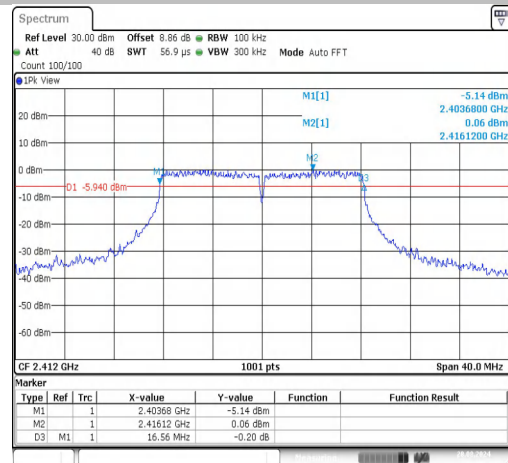
Date: 28.AUG.2024 17:03:26

11B-Ant1-2412-PASS



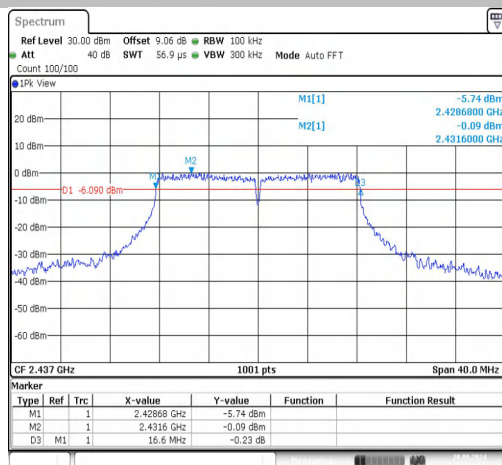
Date: 28.AUG.2024 17:06:50

11B-Ant1-2437-PASS



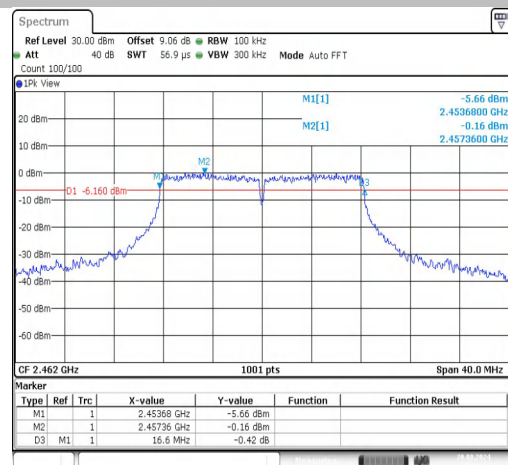
Date: 28.AUG.2024 17:14:48

11B-Ant1-2462-PASS



Date: 28.AUG.2024 17:17:54

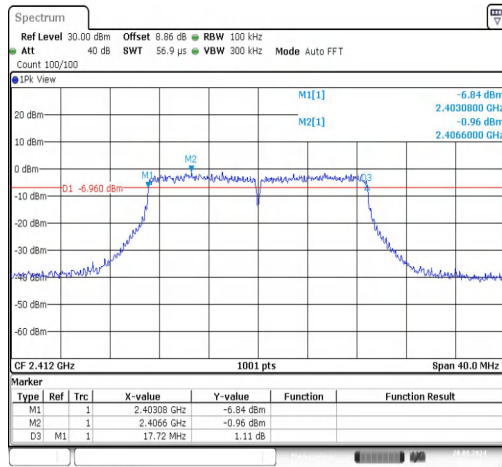
11G-Ant1-2412-PASS



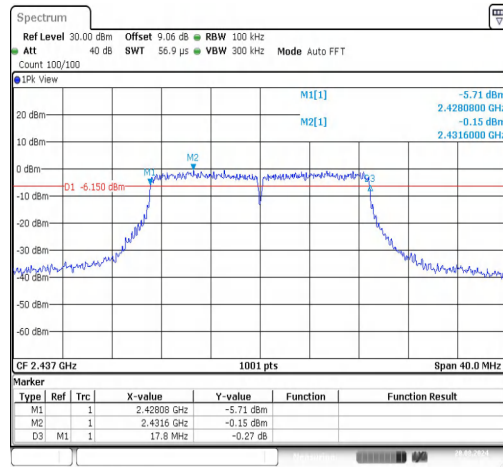
Date: 28.AUG.2024 17:20:45

11G-Ant1-2437-PASS

11G-Ant1-2462-PASS



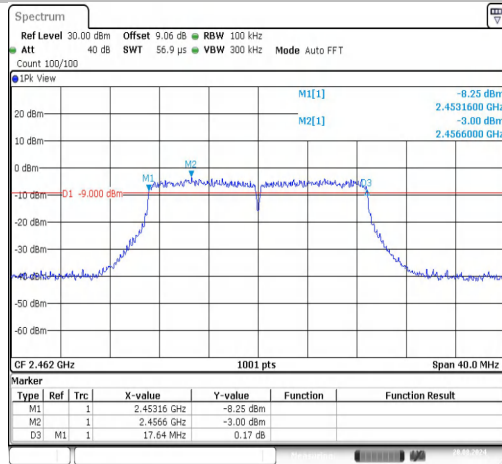
Date: 28.AUG.2024 17:26:45



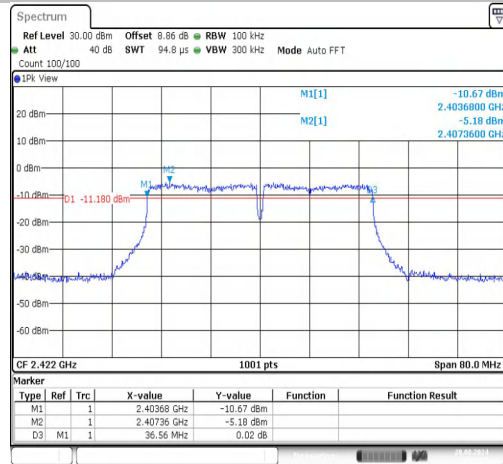
Date: 28.AUG.2024 17:29:38

11N20SISO-Ant1-2412-PASS

11N20SISO-Ant1-2437-PASS



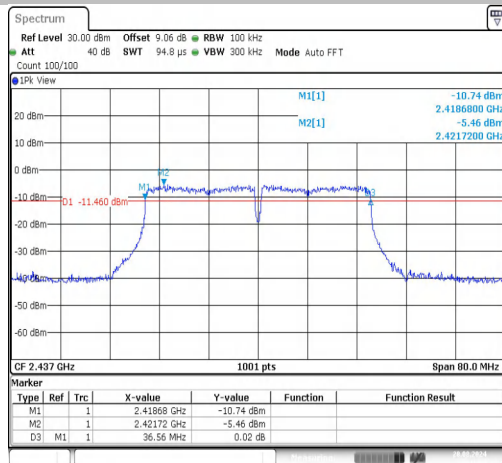
Date: 28.AUG.2024 17:33:29



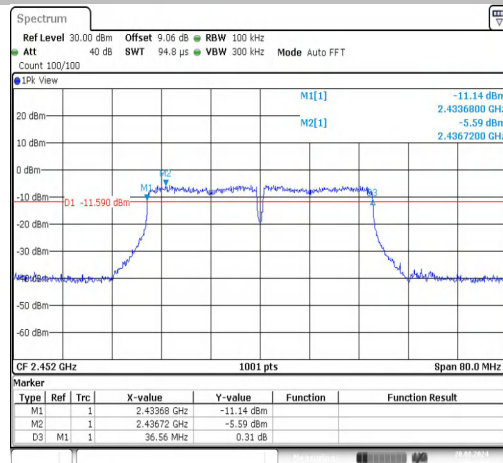
Date: 28.AUG.2024 17:37:58

11N20SISO-Ant1-2462-PASS

11N40SISO-Ant1-2422-PASS



Date: 28.AUG.2024 17:41:16



Date: 28.AUG.2024 17:47:07

11N40SISO-Ant1-2437-PASS

11N40SISO-Ant1-2452-PASS



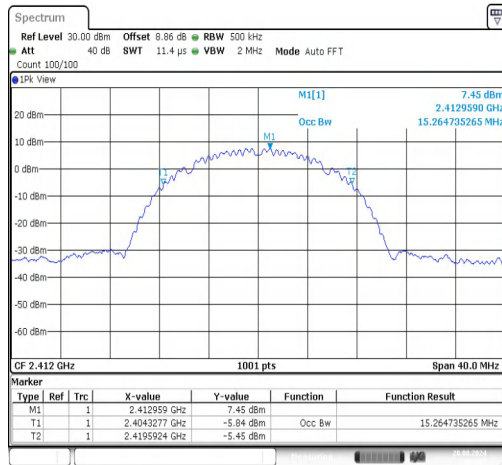
Appendix B: Occupied Channel Bandwidth

Test Result

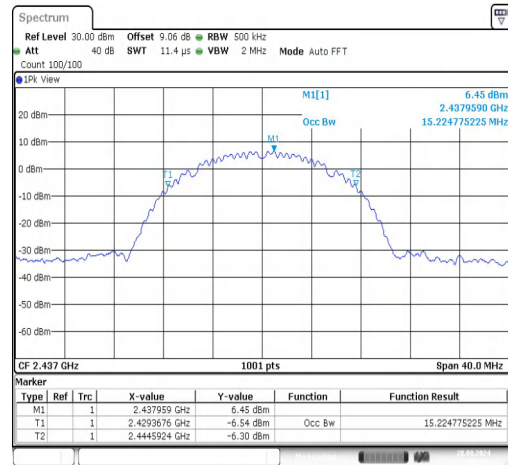
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.265	2404.3277	2419.5924	---	---
11B	Ant1	2437	15.225	2429.3676	2444.5924	---	---
11B	Ant1	2462	15.345	2454.3277	2469.6723	---	---
11G	Ant1	2412	17.263	2403.2887	2420.5514	---	---
11G	Ant1	2437	17.463	2428.0889	2445.5514	---	---
11G	Ant1	2462	17.223	2453.3287	2470.5514	---	---
11N20SISO	Ant1	2412	18.302	2402.8092	2421.1109	---	---
11N20SISO	Ant1	2437	18.182	2427.9291	2446.1109	---	---
11N20SISO	Ant1	2462	18.142	2452.8891	2471.0310	---	---
11N40SISO	Ant1	2422	37.562	2403.2188	2440.7812	---	---
11N40SISO	Ant1	2437	37.083	2418.6184	2455.7013	---	---
11N40SISO	Ant1	2452	36.843	2433.6983	2470.5415	---	---



Test Graphs

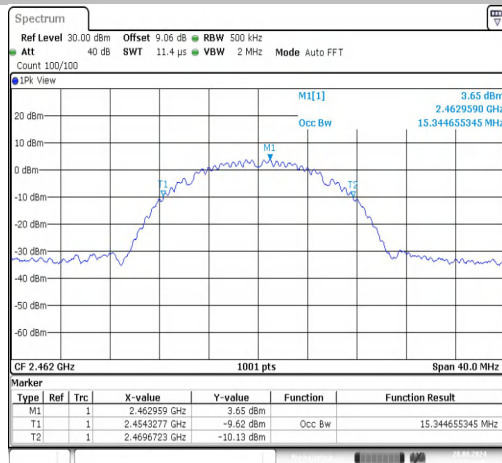


Date: 28.AUG.2024 16:58:37



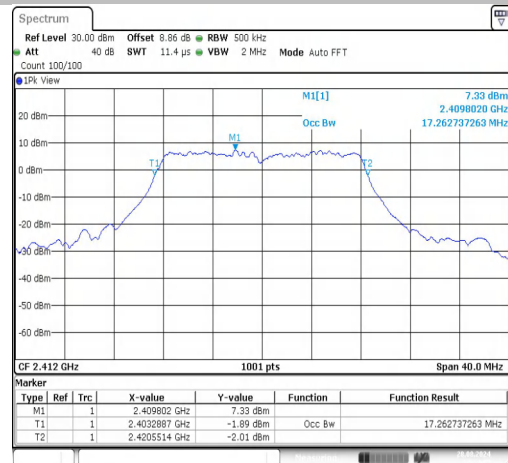
Date: 28.AUG.2024 17:03:34

11B-Ant1-2412



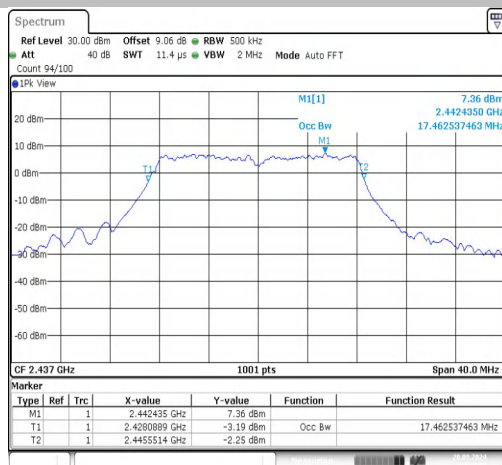
Date: 28.AUG.2024 17:06:58

11B-Ant1-2437



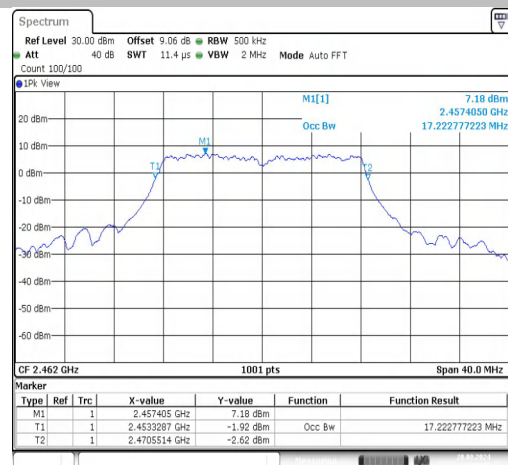
Date: 28.AUG.2024 17:14:55

11B-Ant1-2462



Date: 28.AUG.2024 17:18:02

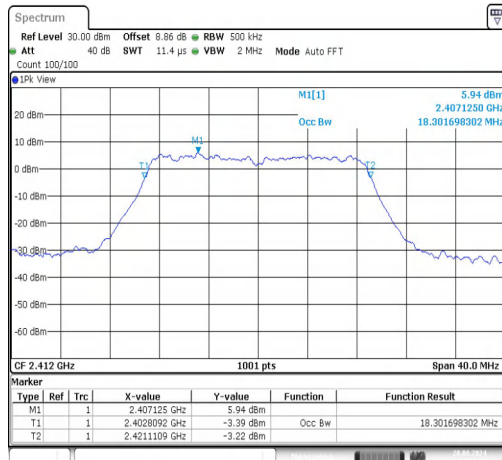
11G-Ant1-2412



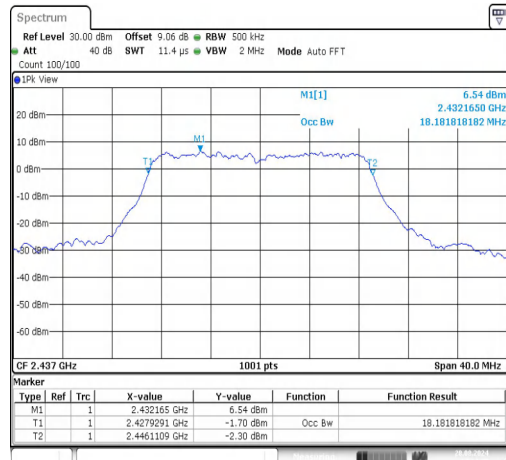
Date: 28.AUG.2024 17:20:52

11G-Ant1-2437

11G-Ant1-2462



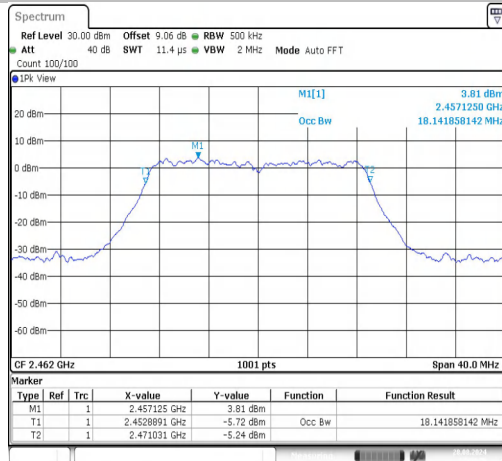
Date: 28.AUG.2024 17:26:52



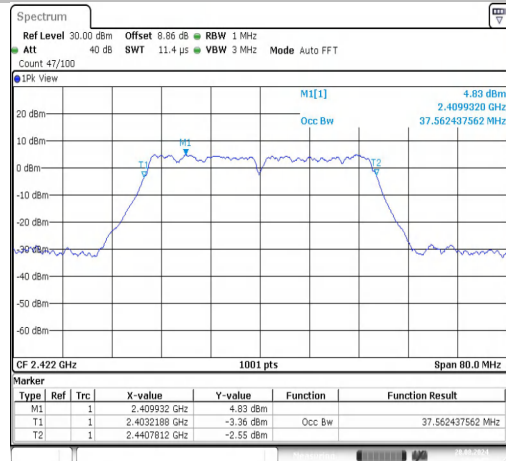
Date: 28.AUG.2024 17:29:45

11N20SISO-Ant1-2412

11N20SISO-Ant1-2437



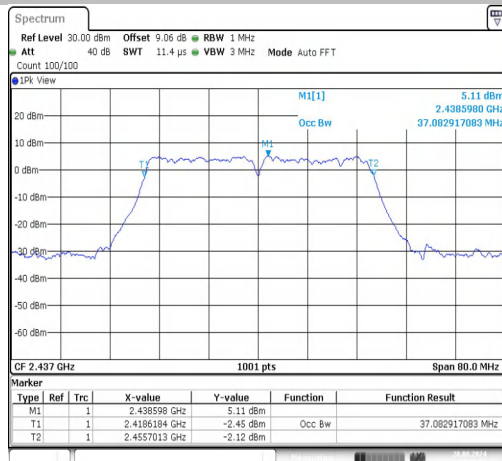
Date: 28.AUG.2024 17:33:36



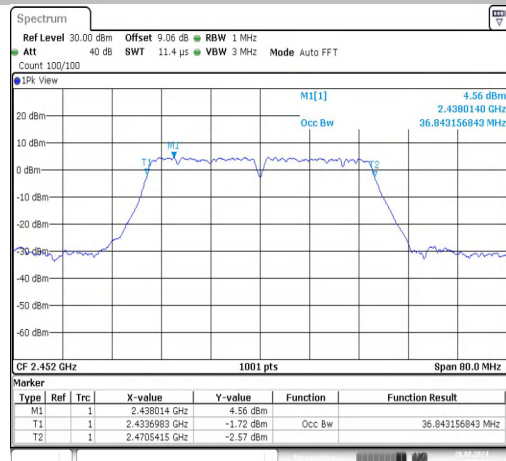
Date: 28.AUG.2024 17:38:05

11N20SISO-Ant1-2462

11N40SISO-Ant1-2422



Date: 28.AUG.2024 17:41:24



Date: 28.AUG.2024 17:47:14

11N40SISO-Ant1-2437

11N40SISO-Ant1-2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Peak Powe Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	15.33	≤30.00	1.41	16.74	---	PASS
11B	Ant1	2437	15.26	≤30.00	1.41	16.67	---	PASS
11B	Ant1	2462	15.22	≤30.00	1.41	16.63	---	PASS
11G	Ant1	2412	14.55	≤30.00	1.41	15.96	---	PASS
11G	Ant1	2437	14.46	≤30.00	1.41	15.87	---	PASS
11G	Ant1	2462	14.35	≤30.00	1.41	15.76	---	PASS
11N20SISO	Ant1	2412	12.91	≤30.00	1.41	14.32	---	PASS
11N20SISO	Ant1	2437	13.82	≤30.00	1.41	15.23	---	PASS
11N20SISO	Ant1	2462	12.69	≤30.00	1.41	14.10	---	PASS
11N40SISO	Ant1	2422	12.12	≤30.00	1.41	13.53	---	PASS
11N40SISO	Ant1	2437	12.12	≤30.00	1.41	13.53	---	PASS
11N40SISO	Ant1	2452	12.02	≤30.00	1.41	13.43	---	PASS



Test Result Average

Test Mode	Antenna	Frequency [MHz]	Reading Power [dBm]	DC Factor [dB]	AV Power [dBm]	AV Power Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	13.61	0.00	13.61	≤30.00	1.41	15.02	≤36.00	PASS
11B	Ant1	2437	13.67	0.00	13.67	≤30.00	1.41	15.08	≤36.00	PASS
11B	Ant1	2462	13.68	0.00	13.68	≤30.00	1.41	15.09	≤36.00	PASS
11G	Ant1	2412	12.70	0.00	12.70	≤30.00	1.41	14.11	≤36.00	PASS
11G	Ant1	2437	12.73	0.00	12.73	≤30.00	1.41	14.14	≤36.00	PASS
11G	Ant1	2462	12.70	0.00	12.70	≤30.00	1.41	14.11	≤36.00	PASS
11N20SISO	Ant1	2412	11.15	0.00	11.15	≤30.00	1.41	12.56	≤36.00	PASS
11N20SISO	Ant1	2437	12.14	0.00	12.14	≤30.00	1.41	13.55	≤36.00	PASS
11N20SISO	Ant1	2462	11.15	0.00	11.15	≤30.00	1.41	12.56	≤36.00	PASS
11N40SISO	Ant1	2422	10.62	0.00	10.62	≤30.00	1.41	12.03	≤36.00	PASS
11N40SISO	Ant1	2437	10.60	0.00	10.60	≤30.00	1.41	12.01	≤36.00	PASS
11N40SISO	Ant1	2452	10.59	0.00	10.59	≤30.00	1.41	12.00	≤36.00	PASS

AV Power [dBm]= Reading power +DC Factor



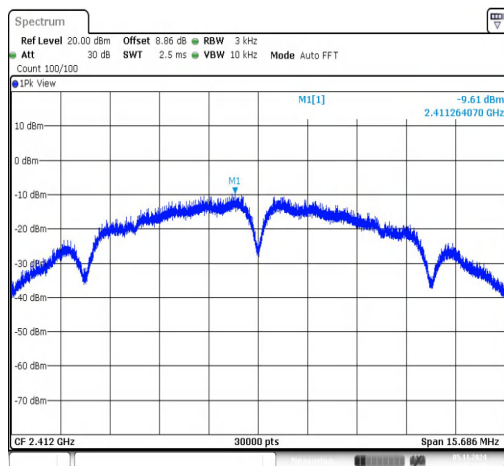
Appendix D: Maximum power spectral density

Test Result

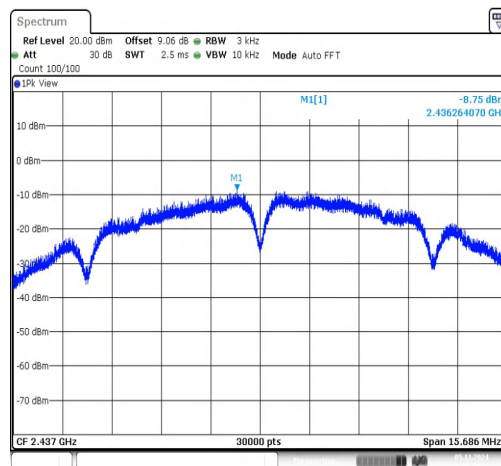
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.61	≤8.00	PASS
11B	Ant1	2437	-8.75	≤8.00	PASS
11B	Ant1	2462	-6.82	≤8.00	PASS
11G	Ant1	2412	-11.50	≤8.00	PASS
11G	Ant1	2437	-11.81	≤8.00	PASS
11G	Ant1	2462	-11.31	≤8.00	PASS
11N20SISO	Ant1	2412	-11.73	≤8.00	PASS
11N20SISO	Ant1	2437	-11.62	≤8.00	PASS
11N20SISO	Ant1	2462	-10.68	≤8.00	PASS
11N40SISO	Ant1	2422	-15.77	≤8.00	PASS
11N40SISO	Ant1	2437	-13.07	≤8.00	PASS
11N40SISO	Ant1	2452	-12.52	≤8.00	PASS



Test Graphs



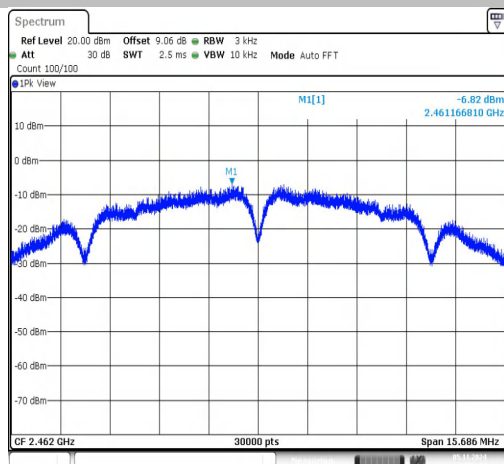
Date: 5.NOV.2024 20:14:40



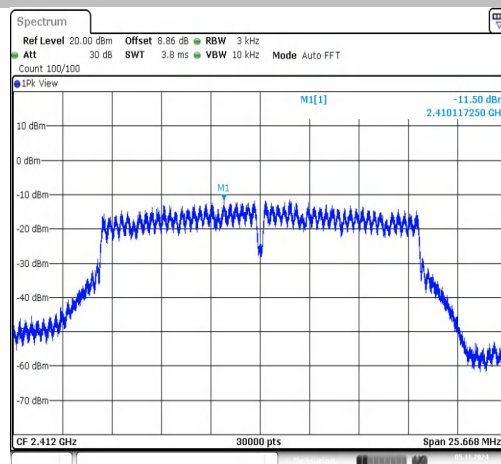
Date: 5.NOV.2024 20:15:04

11B-Ant1-2412-PASS

11B-Ant1-2437-PASS



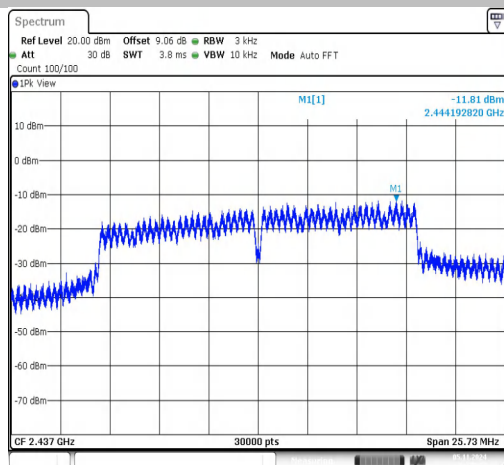
Date: 5.NOV.2024 20:16:15



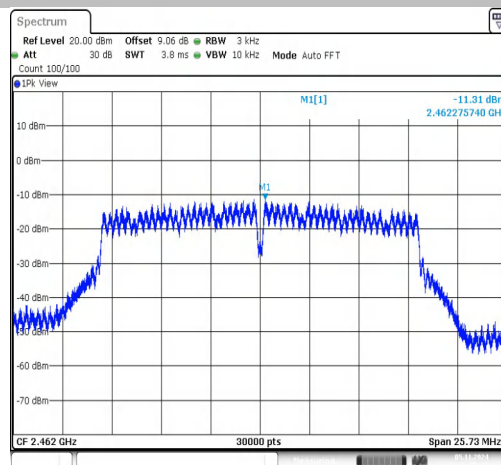
Date: 5.NOV.2024 20:16:34

11B-Ant1-2462-PASS

11G-Ant1-2412-PASS



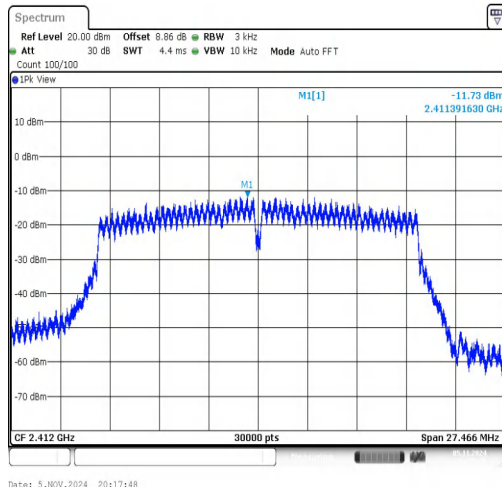
Date: 5.NOV.2024 20:17:07



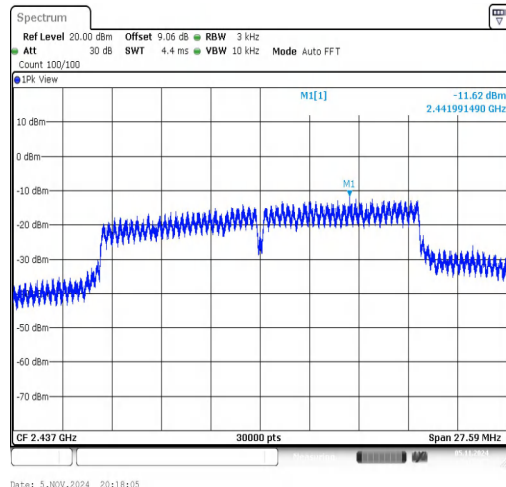
Date: 5.NOV.2024 20:17:24

11G-Ant1-2437-PASS

11G-Ant1-2462-PASS



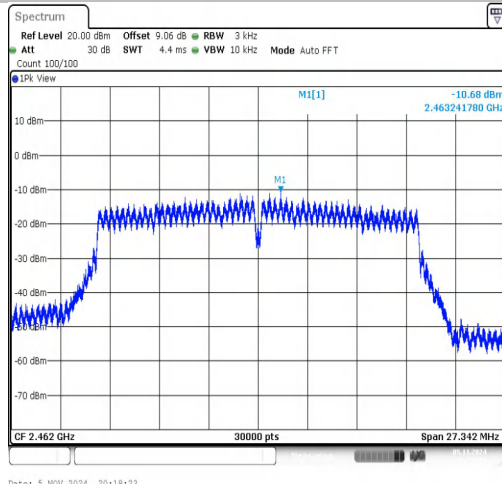
Date: 5.NOV.2024 20:17:48



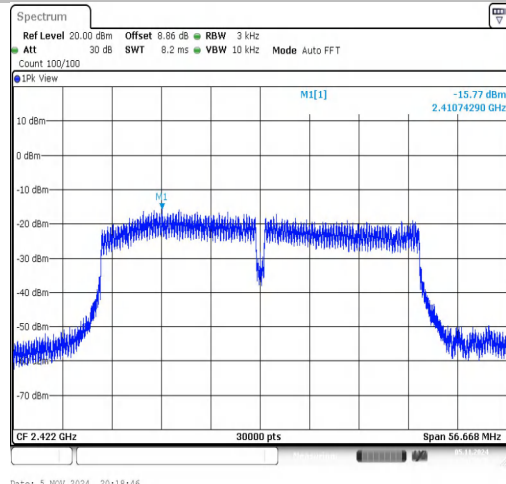
Date: 5.NOV.2024 20:18:05

11N20SISO-Ant1-2412-PASS

11N20SISO-Ant1-2437-PASS



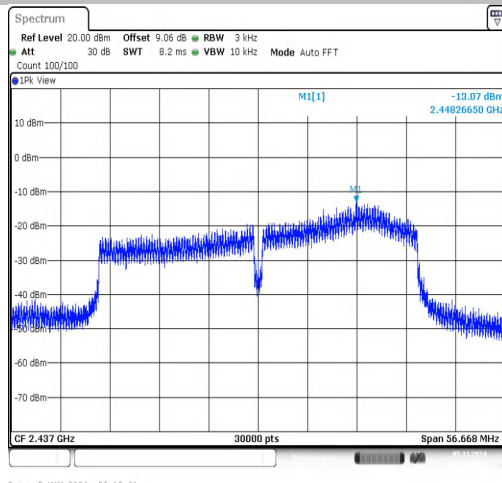
Date: 5.NOV.2024 20:18:23



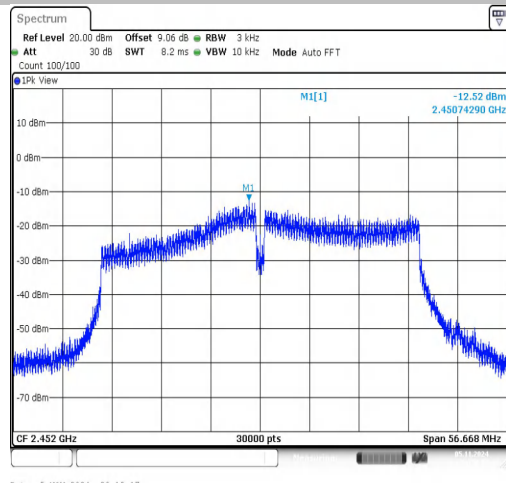
Date: 5.NOV.2024 20:18:46

11N20SISO-Ant1-2462-PASS

11N40SISO-Ant1-2422-PASS



Date: 5.NOV.2024 20:19:01



Date: 5.NOV.2024 20:19:17

11N40SISO-Ant1-2437-PASS

11N40SISO-Ant1-2452-PASS



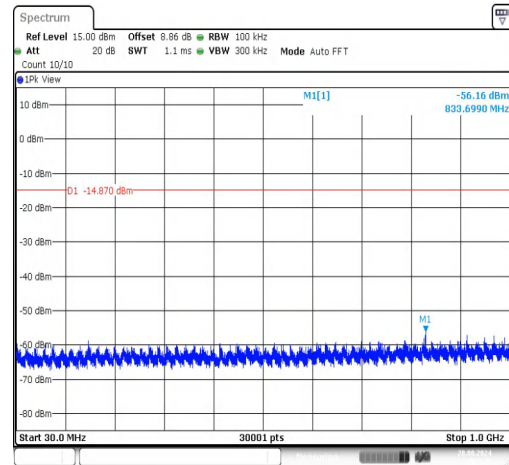
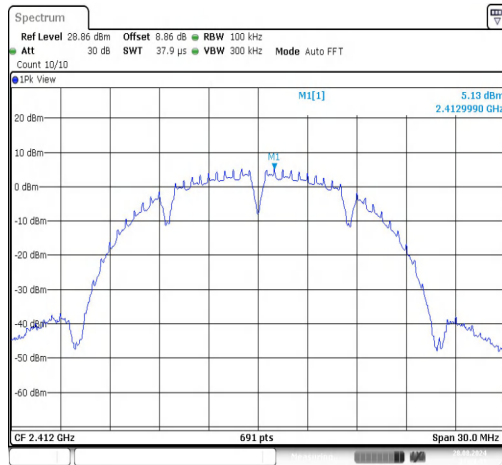
Appendix E: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.13	5.13	---	PASS
11B	Ant1	2412	30~1000	5.13	-56.16	≤-14.87	PASS
11B	Ant1	2412	1000~26500	5.13	-46.87	≤-14.87	PASS
11B	Ant1	2437	0~Reference	5.00	5.00	---	PASS
11B	Ant1	2437	30~1000	5.00	-55.75	≤-15	PASS
11B	Ant1	2437	1000~26500	5.00	-46.03	≤-15	PASS
11B	Ant1	2462	0~Reference	4.90	4.90	---	PASS
11B	Ant1	2462	30~1000	4.90	-55.49	≤-15.1	PASS
11B	Ant1	2462	1000~26500	4.90	-47.31	≤-15.1	PASS
11G	Ant1	2412	0~Reference	0.76	0.76	---	PASS
11G	Ant1	2412	30~1000	0.76	-57.73	≤-19.24	PASS
11G	Ant1	2412	1000~26500	0.76	-45.6	≤-19.24	PASS
11G	Ant1	2437	0~Reference	0.43	0.43	---	PASS
11G	Ant1	2437	30~1000	0.43	-57.62	≤-19.57	PASS
11G	Ant1	2437	1000~26500	0.43	-47.22	≤-19.57	PASS
11G	Ant1	2462	0~Reference	0.12	0.12	---	PASS
11G	Ant1	2462	30~1000	0.12	-57.1	≤-19.88	PASS
11G	Ant1	2462	1000~26500	0.12	-46.08	≤-19.88	PASS
11N20SISO	Ant1	2412	0~Reference	-0.44	-0.44	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.44	-57.8	≤-20.44	PASS
11N20SISO	Ant1	2412	1000~26500	-0.44	-46.67	≤-20.44	PASS
11N20SISO	Ant1	2437	0~Reference	0.38	0.38	---	PASS
11N20SISO	Ant1	2437	30~1000	0.38	-57.66	≤-19.62	PASS
11N20SISO	Ant1	2437	1000~26500	0.38	-46.15	≤-19.62	PASS
11N20SISO	Ant1	2462	0~Reference	-0.84	-0.84	---	PASS
11N20SISO	Ant1	2462	30~1000	-0.84	-57.86	≤-20.84	PASS
11N20SISO	Ant1	2462	1000~26500	-0.84	-45.96	≤-20.84	PASS
11N40SISO	Ant1	2422	0~Reference	-4.87	-4.87	---	PASS
11N40SISO	Ant1	2422	30~1000	-4.87	-57.53	≤-24.87	PASS
11N40SISO	Ant1	2422	1000~26500	-4.87	-47.41	≤-24.87	PASS
11N40SISO	Ant1	2437	0~Reference	-5.22	-5.22	---	PASS
11N40SISO	Ant1	2437	30~1000	-5.22	-57.27	≤-25.22	PASS
11N40SISO	Ant1	2437	1000~26500	-5.22	-47.21	≤-25.22	PASS
11N40SISO	Ant1	2452	0~Reference	-5.24	-5.24	---	PASS
11N40SISO	Ant1	2452	30~1000	-5.24	-57.92	≤-25.24	PASS
11N40SISO	Ant1	2452	1000~26500	-5.24	-47.19	≤-25.24	PASS

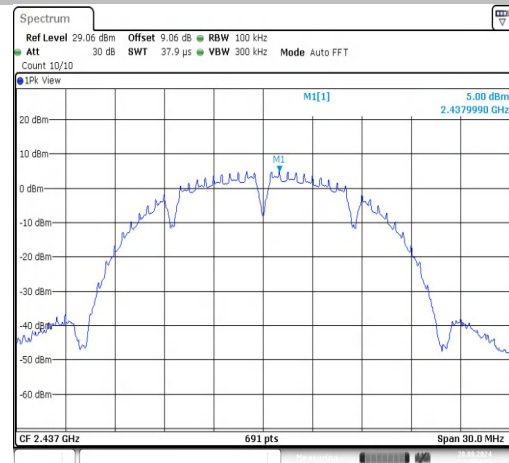
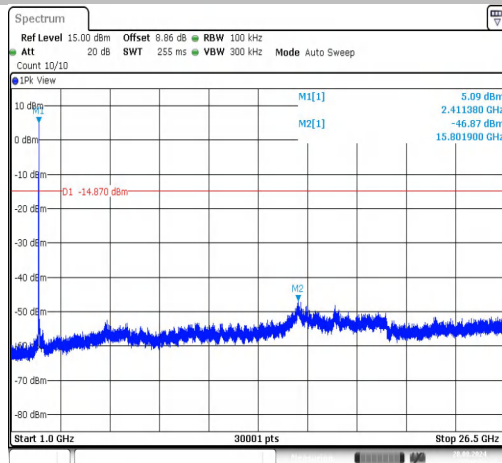


Test Graphs



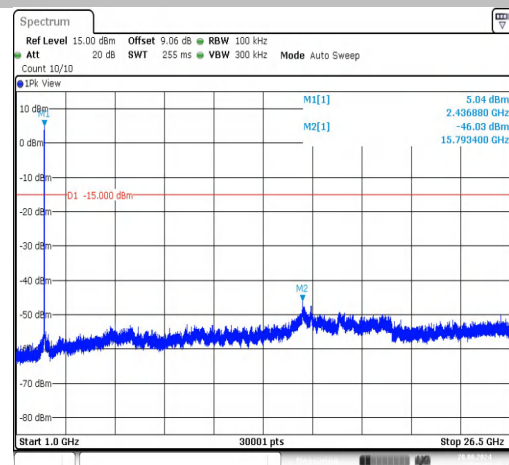
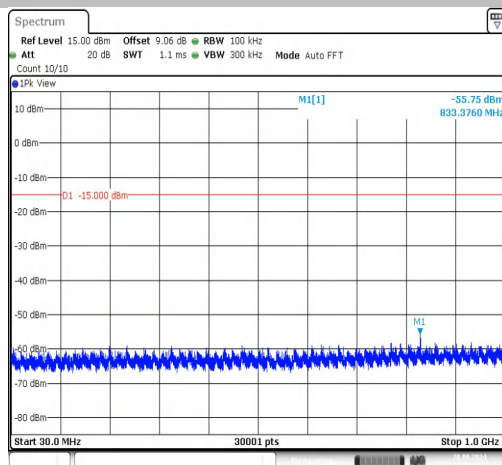
11B-Ant1-2412-0~Reference-PASS

11B-Ant1-2412-30~1000-PASS



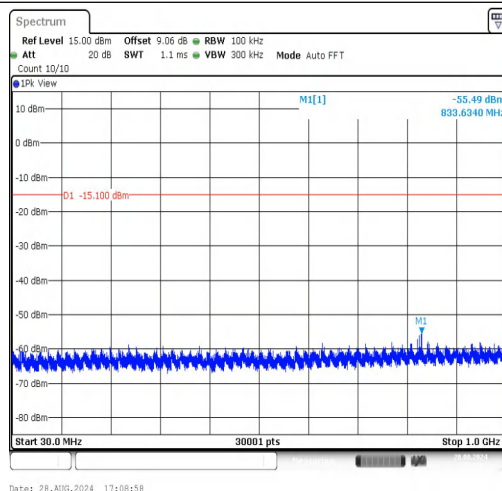
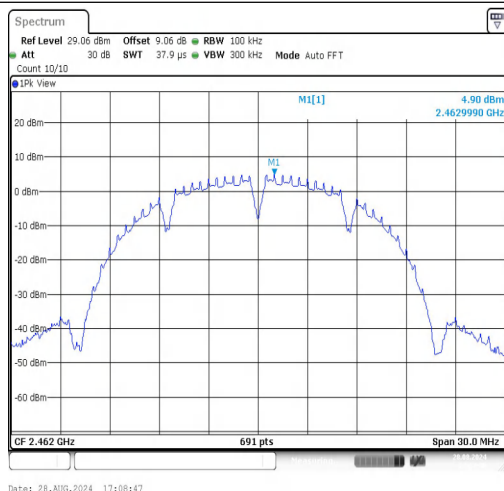
11B-Ant1-2412-1000~26500-PASS

11B-Ant1-2437-0~Reference-PASS



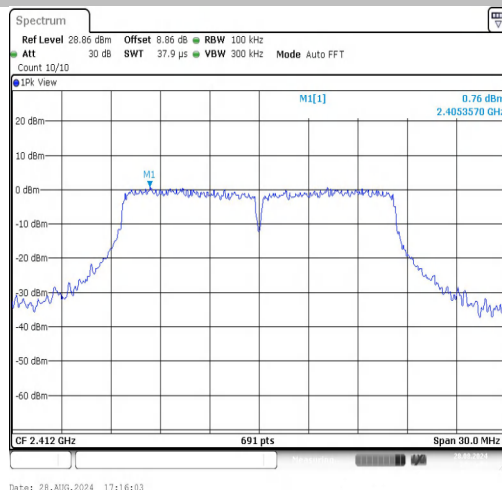
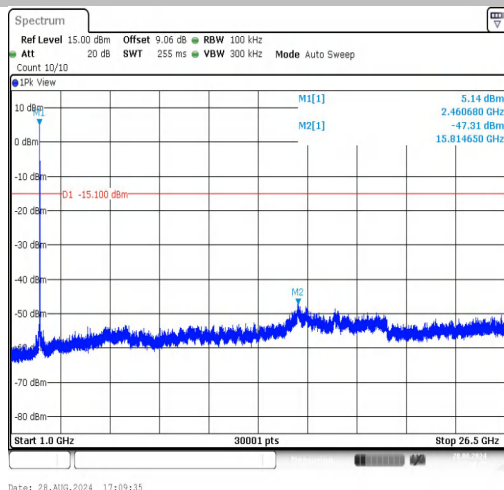
11B-Ant1-2437-30~1000-PASS

11B-Ant1-2437-1000~26500-PASS



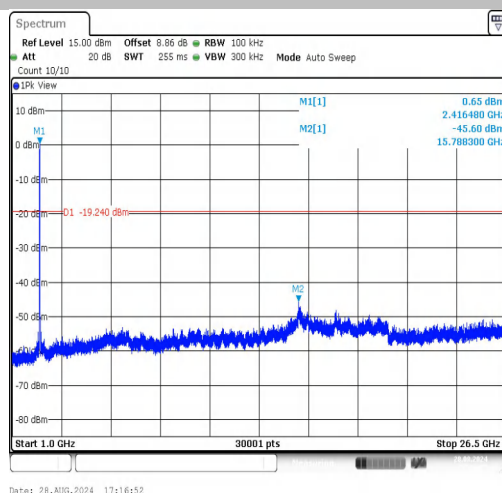
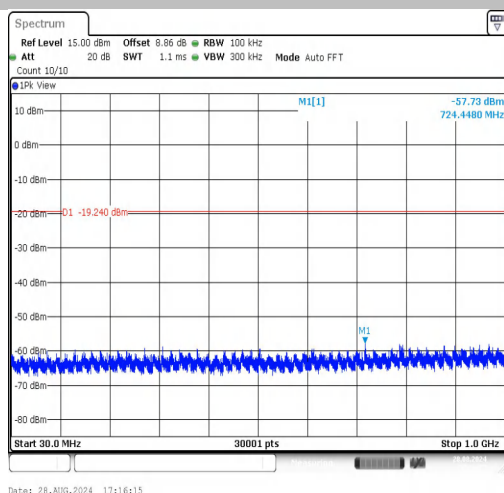
11B-Ant1-2462-0~Reference-PASS

11B-Ant1-2462-30~1000-PASS



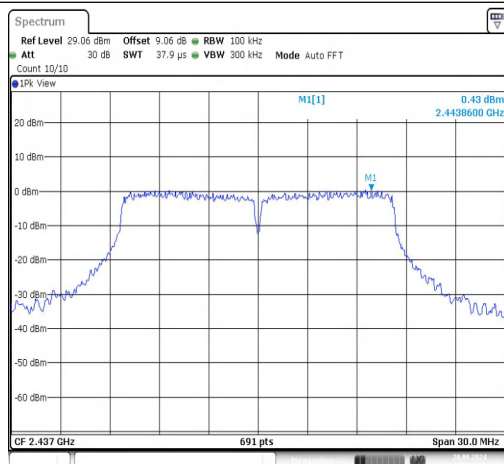
11B-Ant1-2462-1000~26500-PASS

11G-Ant1-2412-0~Reference-PASS

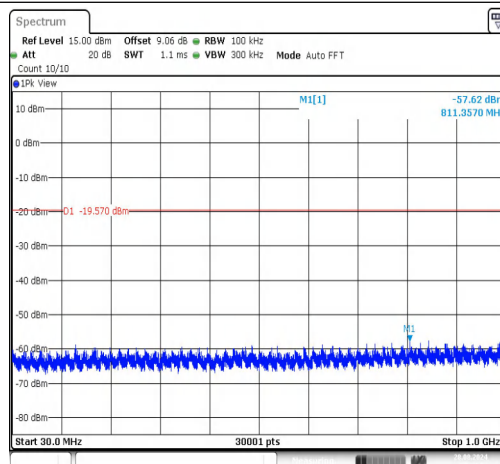


11G-Ant1-2412-30~1000-PASS

11G-Ant1-2412-1000~26500-PASS



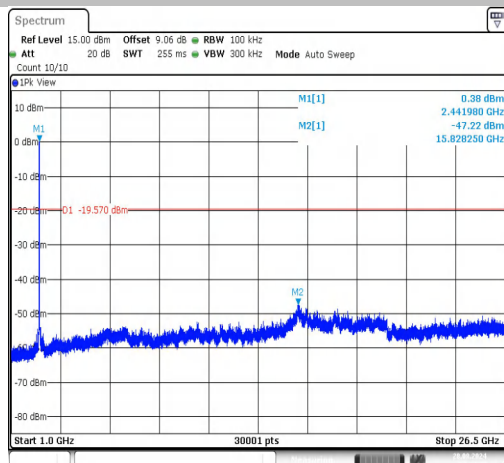
Date: 28.AUG.2024 17:18:59



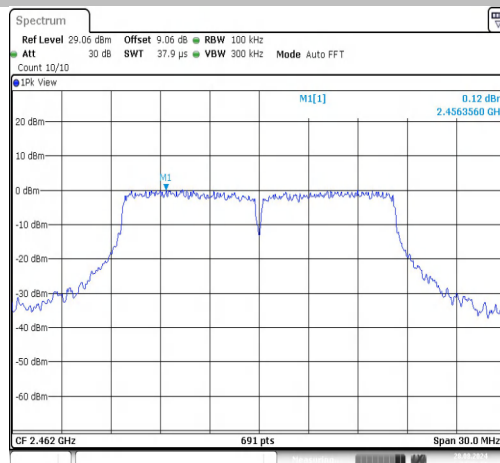
Date: 28.AUG.2024 17:19:10

11G-Ant1-2437-0~Reference-PASS

11G-Ant1-2437-30~1000-PASS



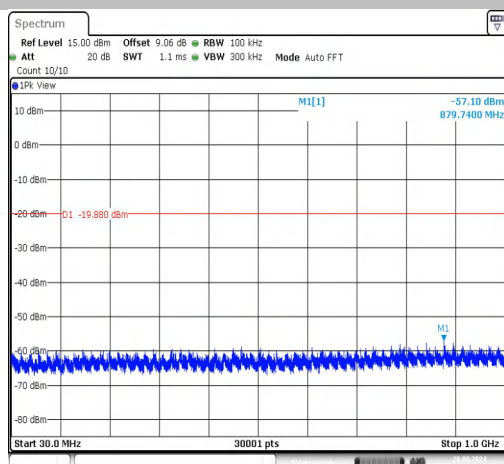
Date: 28.AUG.2024 17:19:47



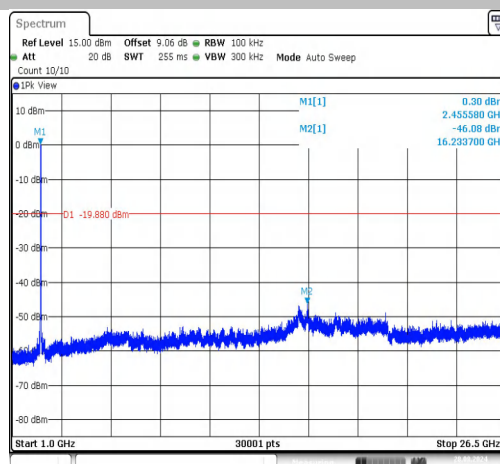
Date: 28.AUG.2024 17:22:24

11G-Ant1-2437-1000~26500-PASS

11G-Ant1-2462-0~Reference-PASS



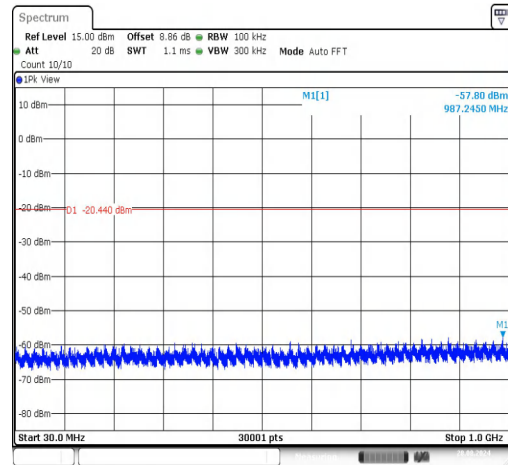
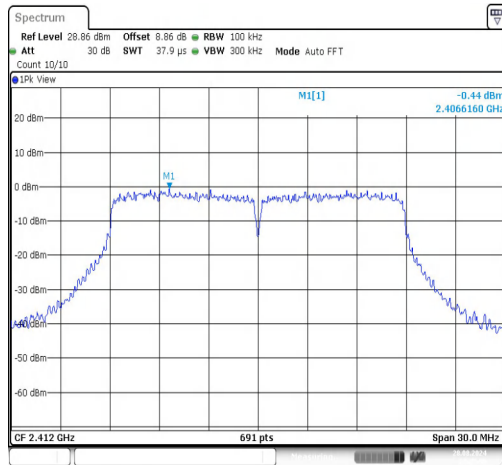
Date: 28.AUG.2024 17:22:36



Date: 28.AUG.2024 17:23:13

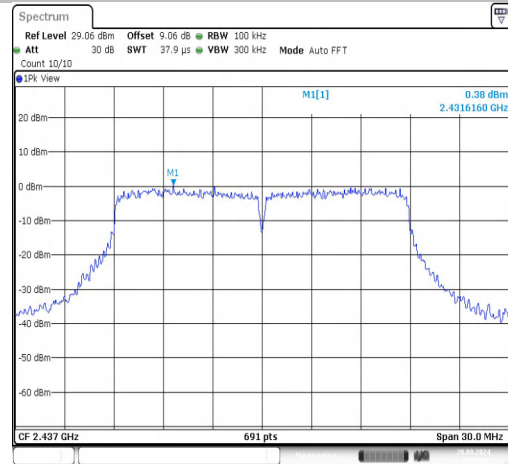
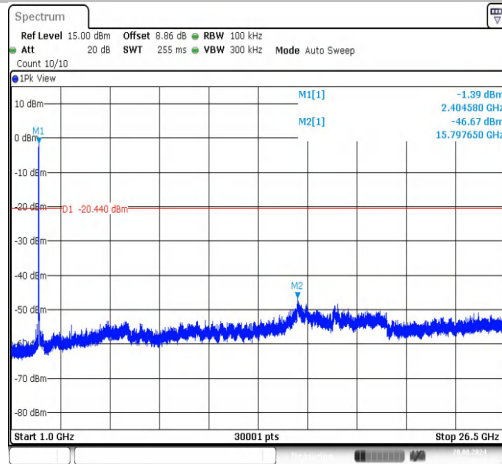
11G-Ant1-2462-30~1000-PASS

11G-Ant1-2462-1000~26500-PASS



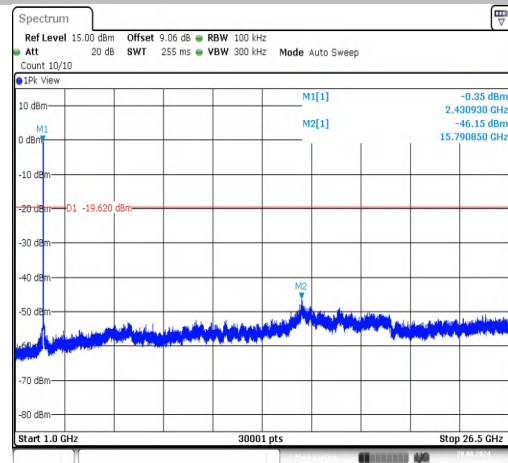
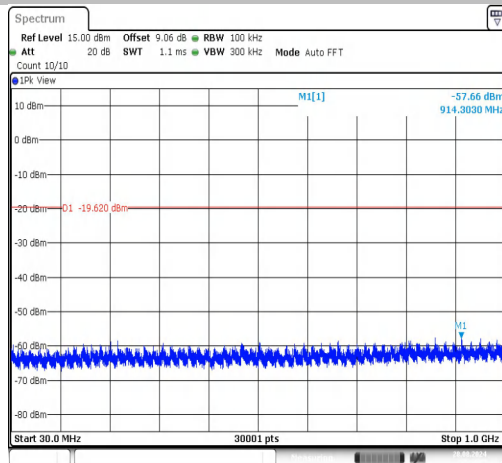
11N20SISO-Ant1-2412-0~Reference-PASS

11N20SISO-Ant1-2412-30~1000-PASS



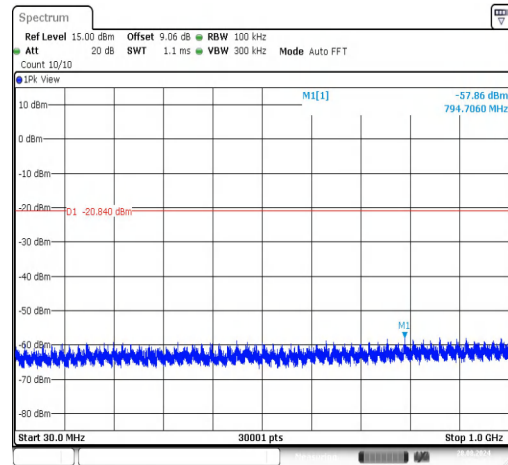
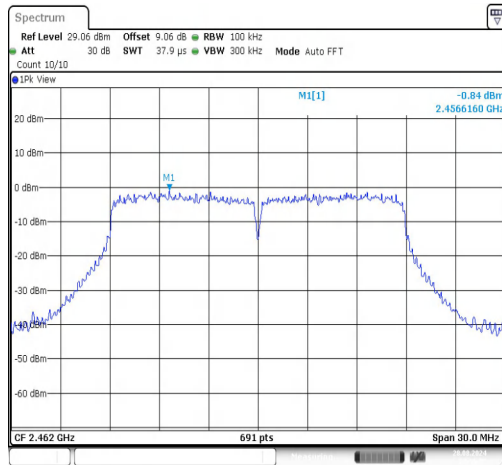
11N20SISO-Ant1-2412-1000~26500-PASS

11N20SISO-Ant1-2437-0~Reference-PASS



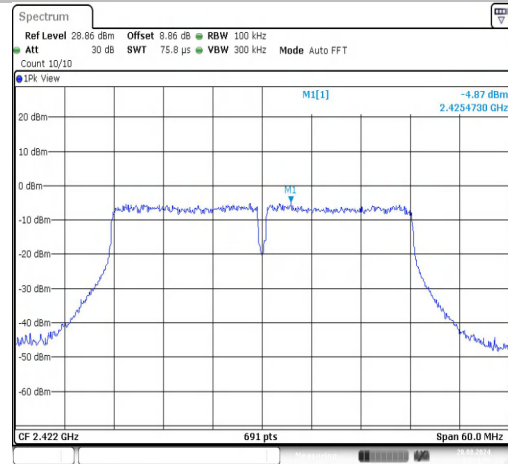
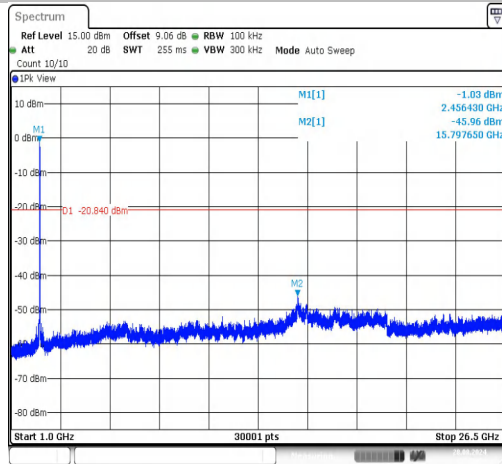
11N20SISO-Ant1-2437-30~1000-PASS

11N20SISO-Ant1-2437-1000~26500-PASS



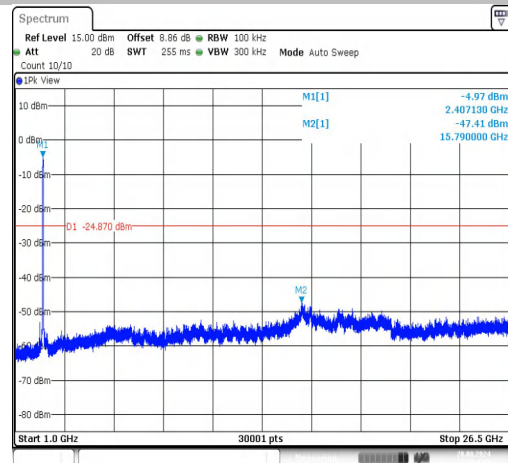
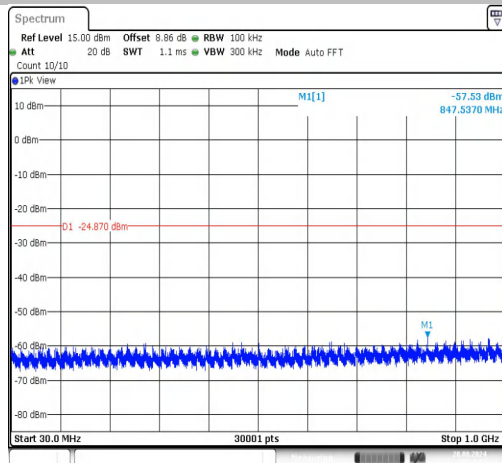
11N20SISO-Ant1-2462-0~Reference-PASS

11N20SISO-Ant1-2462-30~1000-PASS



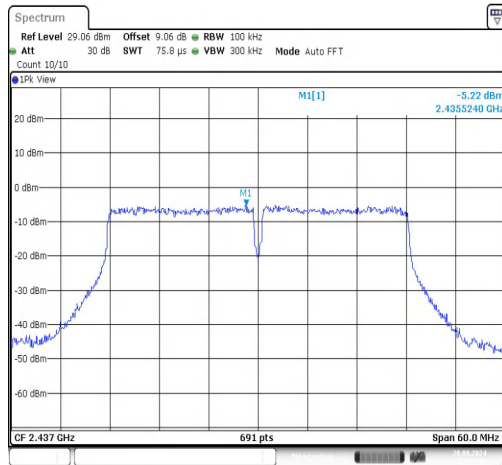
11N20SISO-Ant1-2462-1000~26500-PASS

11N40SISO-Ant1-2422-0~Reference-PASS

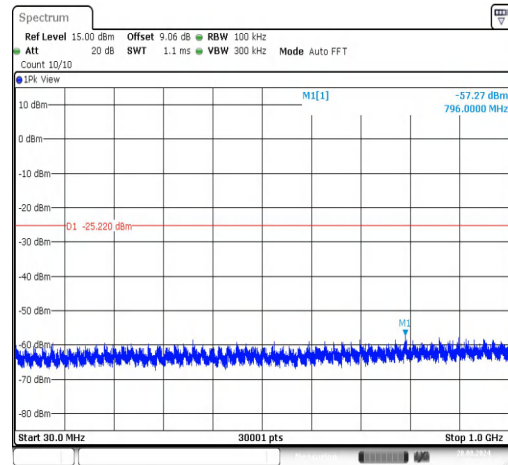


11N40SISO-Ant1-2422-30~1000-PASS

11N40SISO-Ant1-2422-1000~26500-PASS



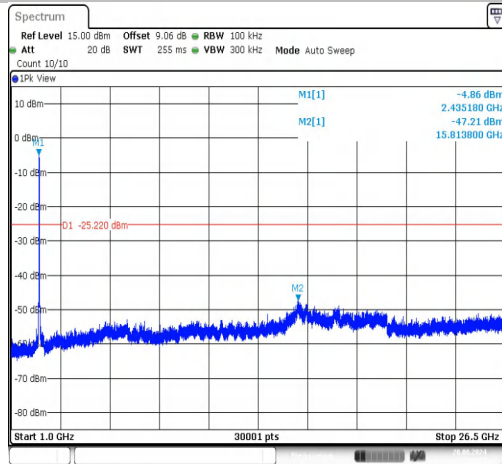
Date: 28.AUG.2024 17:42:33



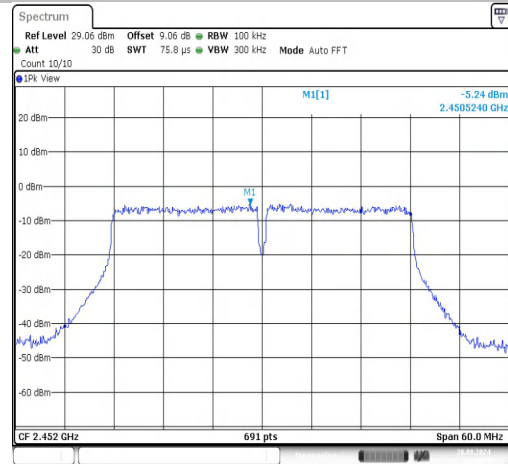
Date: 28.AUG.2024 17:42:44

11N40SISO-Ant1-2437-0~Reference-PASS

11N40SISO-Ant1-2437-30~1000-PASS



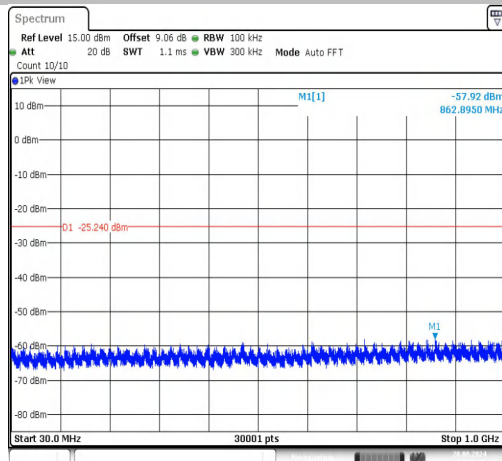
Date: 28.AUG.2024 17:43:21



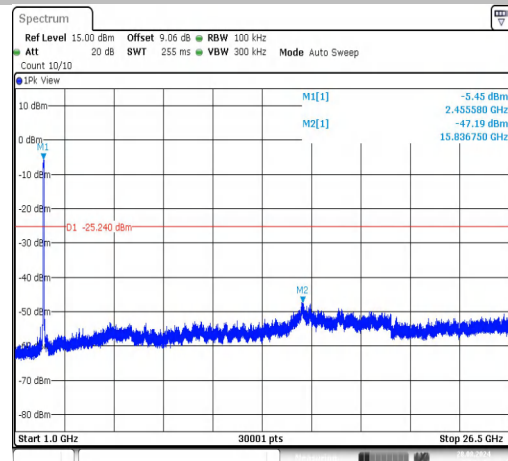
Date: 28.AUG.2024 17:48:25

11N40SISO-Ant1-2437-1000~26500-PASS

11N40SISO-Ant1-2452-0~Reference-PASS



Date: 28.AUG.2024 17:48:37



Date: 28.AUG.2024 17:49:14

11N40SISO-Ant1-2452-30~1000-PASS

11N40SISO-Ant1-2452-1000~26500-PASS



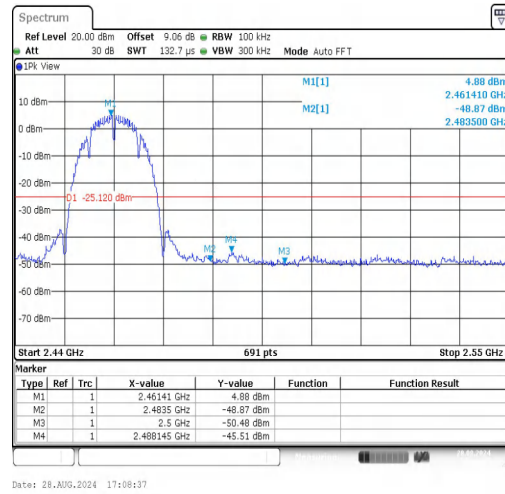
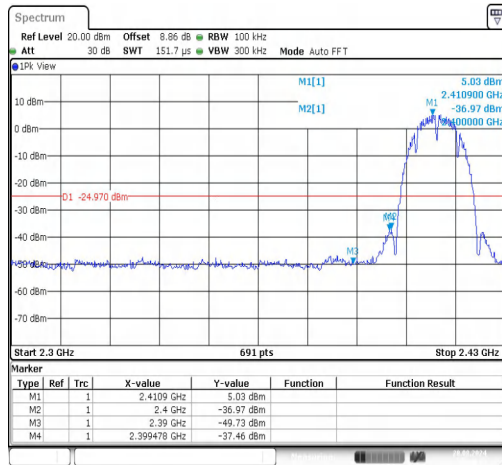
Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.03	-37.46	≤ -24.97	PASS
11B	Ant1	High	2462	4.88	-45.51	≤ -25.12	PASS
11G	Ant1	Low	2412	0.66	-29.77	≤ -29.34	PASS
11G	Ant1	High	2462	-0.02	-39.92	≤ -30.02	PASS
11N20SISO	Ant1	Low	2412	-0.43	-34.99	≤ -30.43	PASS
11N20SISO	Ant1	High	2462	-0.82	-45.14	≤ -30.82	PASS
11N40SISO	Ant1	Low	2422	-5.04	-35.31	≤ -35.04	PASS
11N40SISO	Ant1	High	2452	-5.25	-45.74	≤ -35.25	PASS

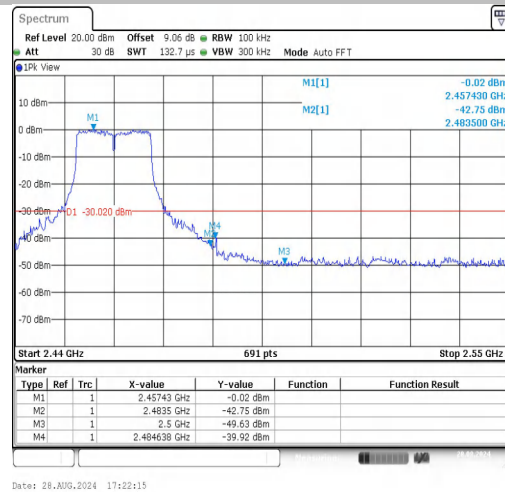
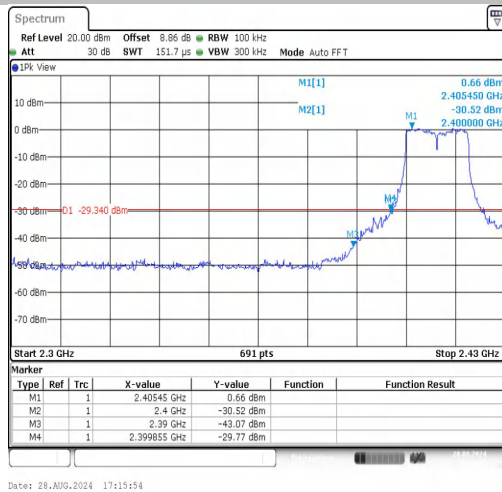


Test Graphs



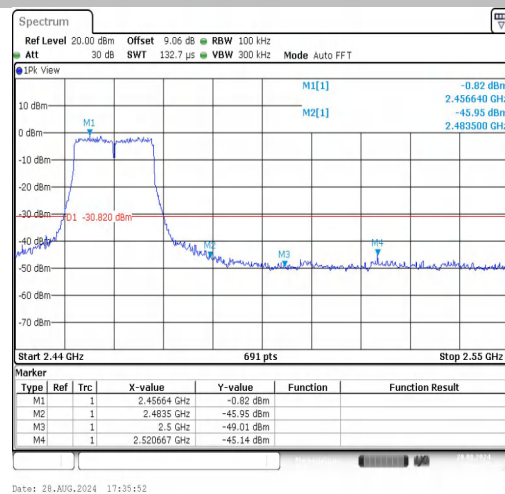
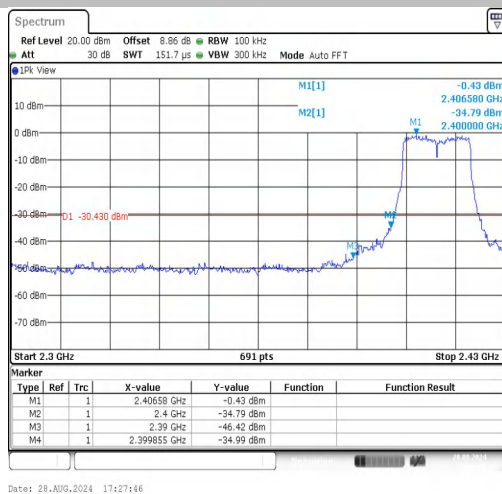
11B-Ant1-2412-PASS

11B-Ant1-2462-PASS



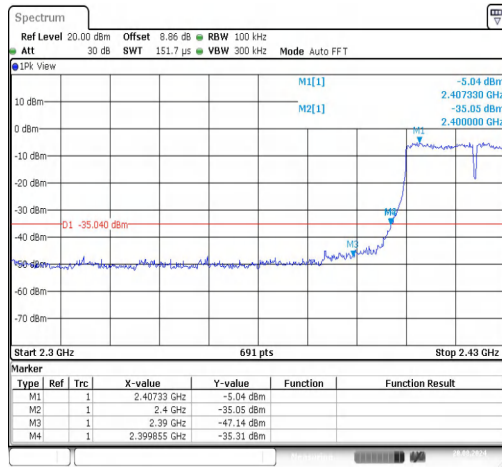
11G-Ant1-2412-PASS

11G-Ant1-2462-PASS

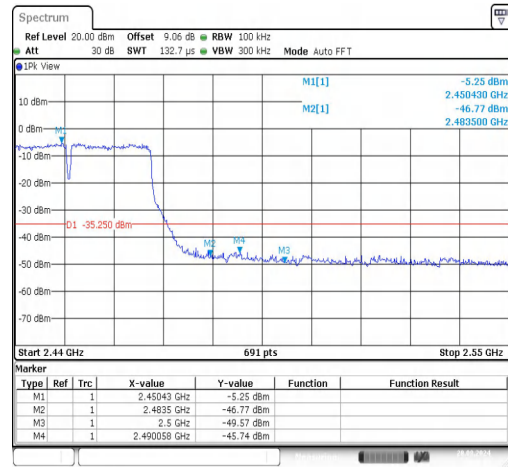


11N20SISO-Ant1-2412-PASS

11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS



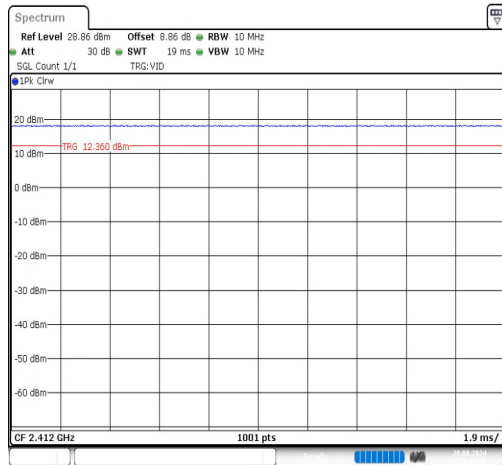
Appendix G: Duty Cycle

Test Result

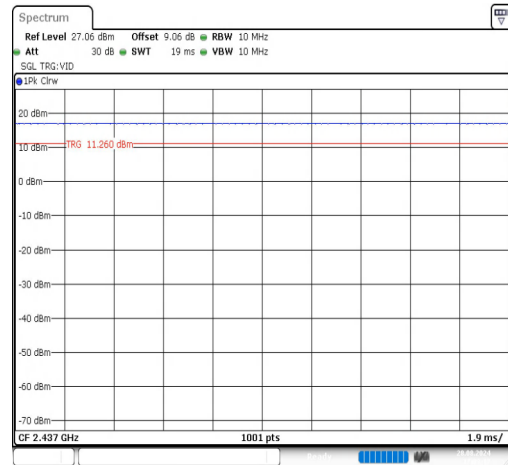
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle[%]	DC Factor [dB]
11B	Ant1	2412	19.00	19.00	100.00	0.00
11B	Ant1	2437	19.00	19.00	100.00	0.00
11B	Ant1	2462	19.00	19.00	100.00	0.00
11G	Ant1	2412	19.00	19.00	100.00	0.00
11G	Ant1	2437	19.00	19.00	100.00	0.00
11G	Ant1	2462	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2412	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2437	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2462	19.00	19.00	100.00	0.00
11N40SISO	Ant1	2422	19.00	19.00	100.00	0.00
11N40SISO	Ant1	2437	19.00	19.00	100.00	0.00
11N40SISO	Ant1	2452	19.00	19.00	100.00	0.00



Test Graphs



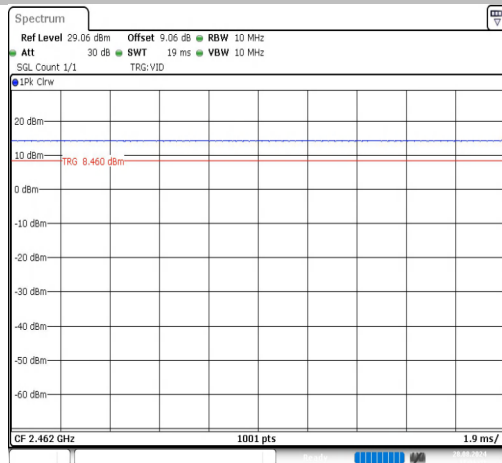
Date: 28.AUG.2024 16:58:20



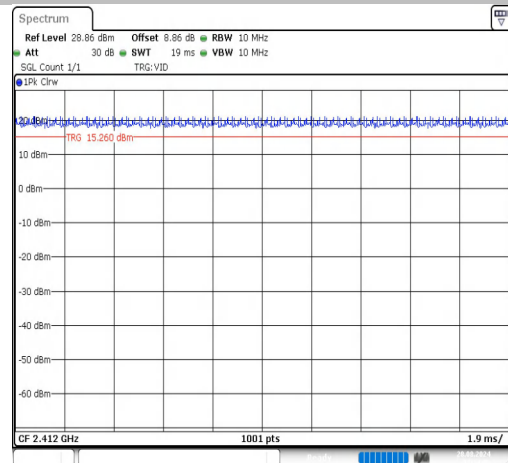
Date: 28.AUG.2024 17:03:17

NTNV-11B-Ant1-2412

NTNV-11B-Ant1-2437



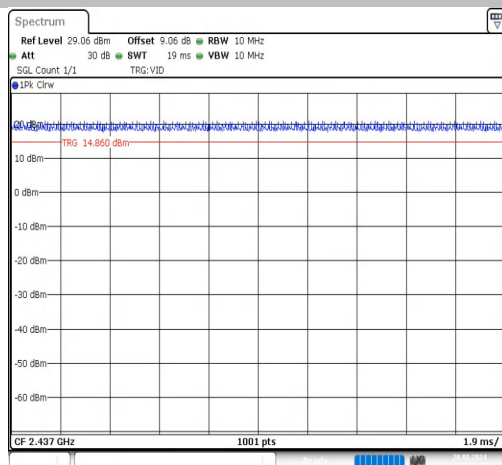
Date: 28.AUG.2024 17:06:41



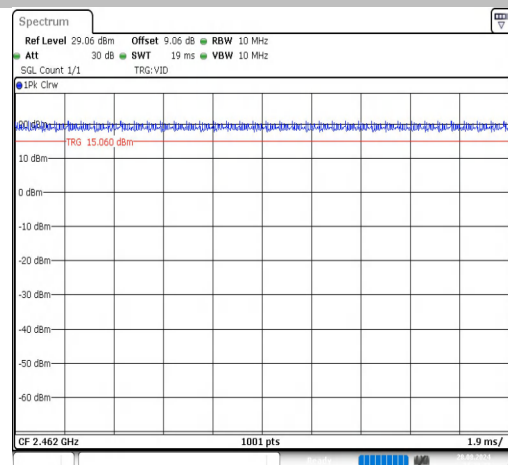
Date: 28.AUG.2024 17:14:38

NTNV-11B-Ant1-2462

NTNV-11G-Ant1-2412



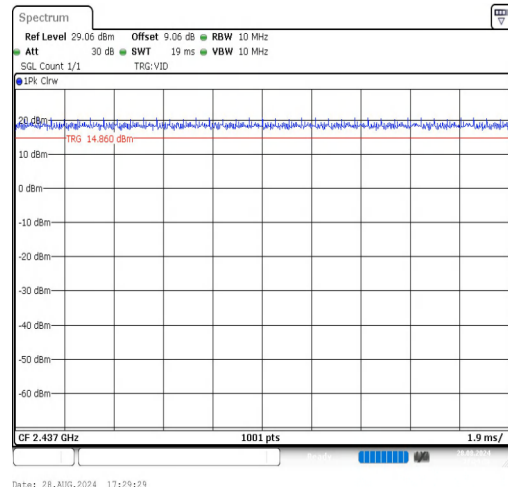
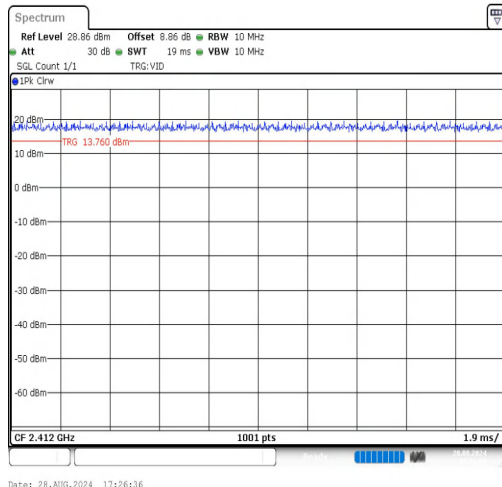
Date: 28.AUG.2024 17:17:45



Date: 28.AUG.2024 17:20:36

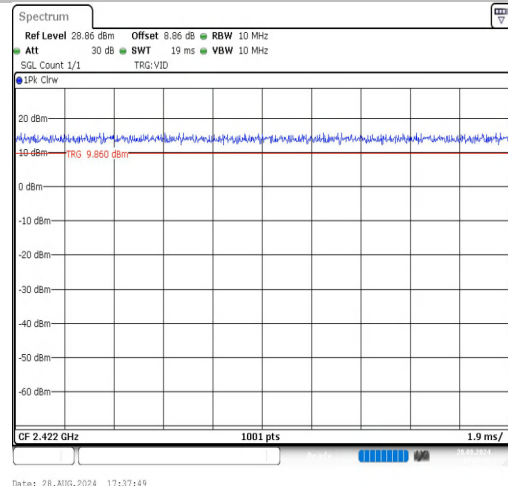
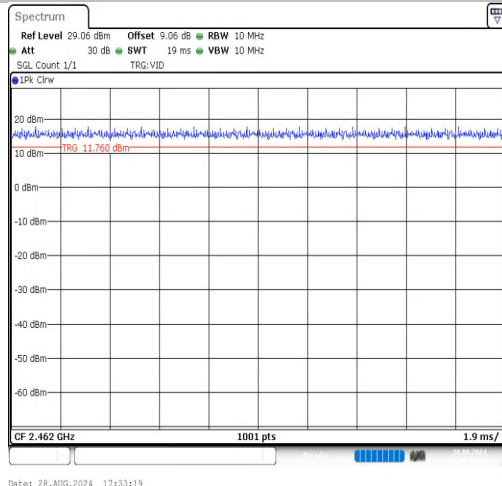
NTNV-11G-Ant1-2437

NTNV-11G-Ant1-2462



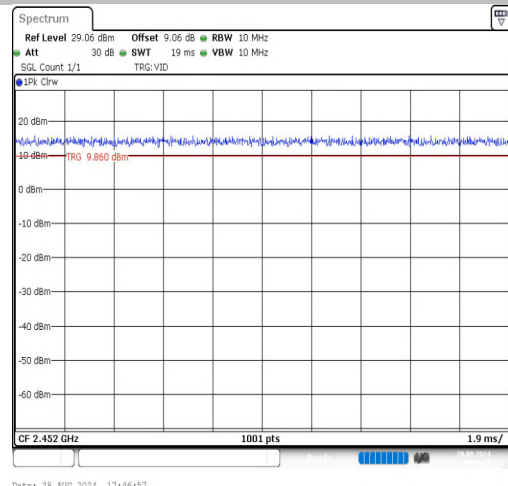
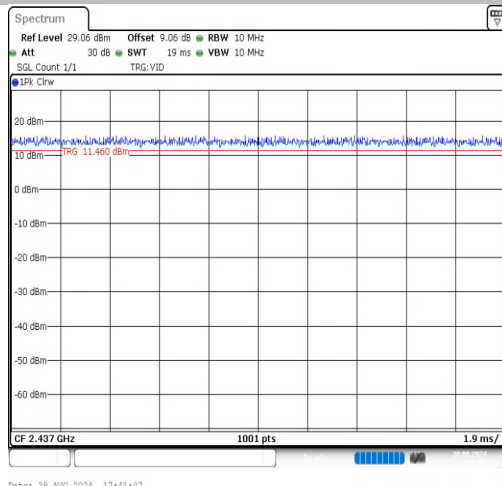
NTNV-11N20SISO-Ant1-2412

NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

NTNV-11N40SISO-Ant1-2422



NTNV-11N40SISO-Ant1-2437

NTNV-11N40SISO-Ant1-2452

-----END-----