

Appendix of Report 2311A1357SHA-001

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2407.960	2416.000	0.5	PASS
11B	Ant1	2437	7.800	2432.960	2440.760	0.5	PASS
11B	Ant1	2462	8.000	2457.960	2465.960	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
11G	Ant1	2437	16.360	2428.800	2445.160	0.5	PASS
11G	Ant1	2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
11N20SISO	Ant1	2437	17.320	2428.200	2445.520	0.5	PASS
11N20SISO	Ant1	2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.080	2439.760	0.5	PASS
11N40SISO	Ant1	2437	35.680	2418.840	2454.520	0.5	PASS
11N40SISO	Ant1	2452	35.680	2433.840	2469.520	0.5	PASS

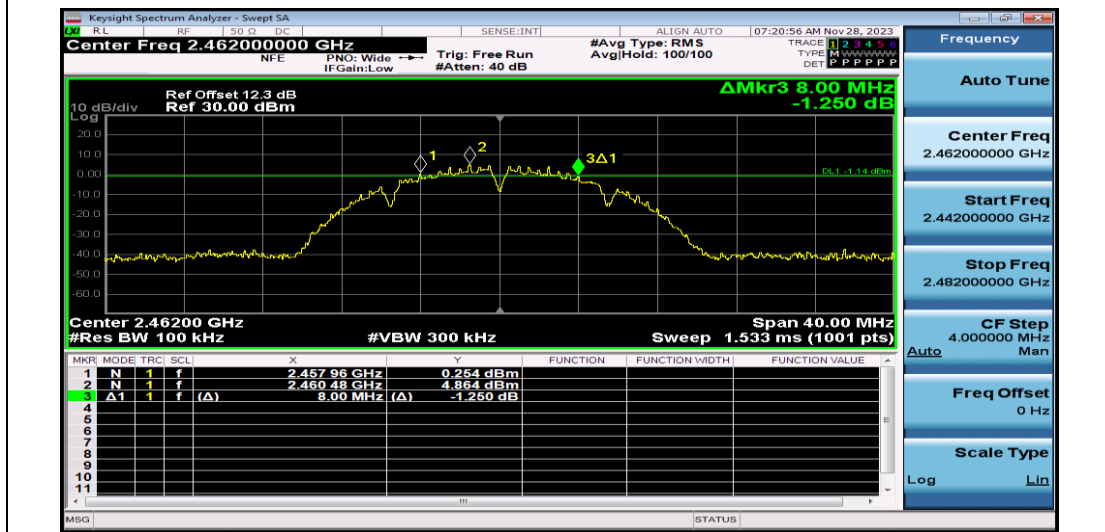
Test Graphs



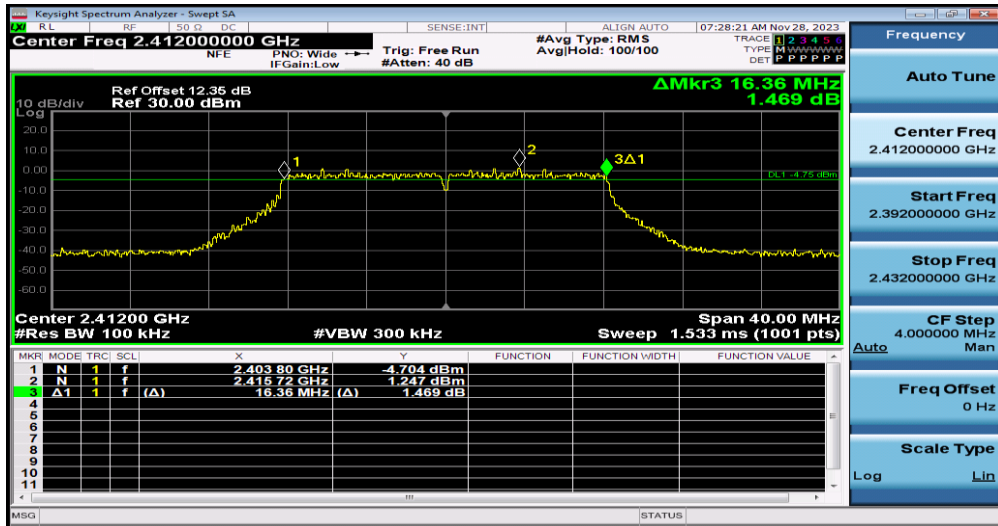
11B-Ant1-2412



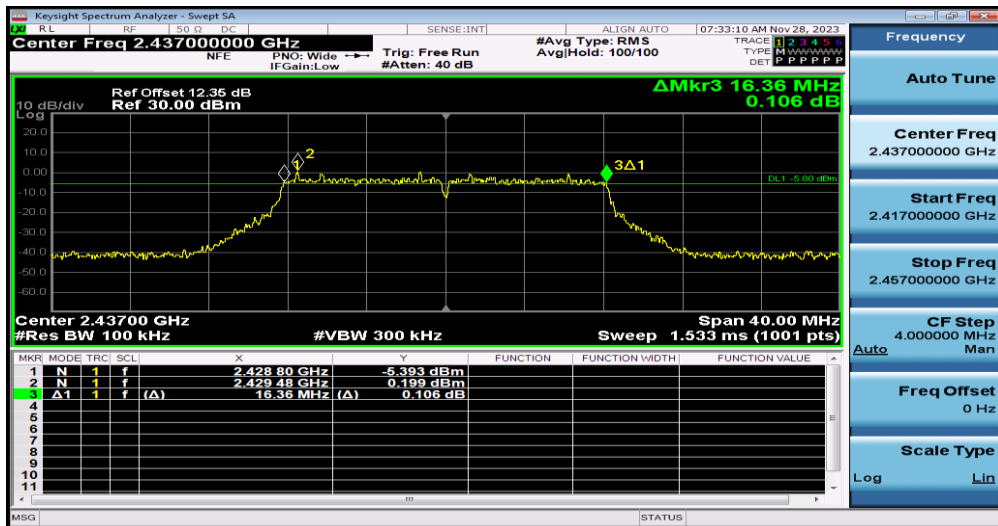
11B-Ant1-2437



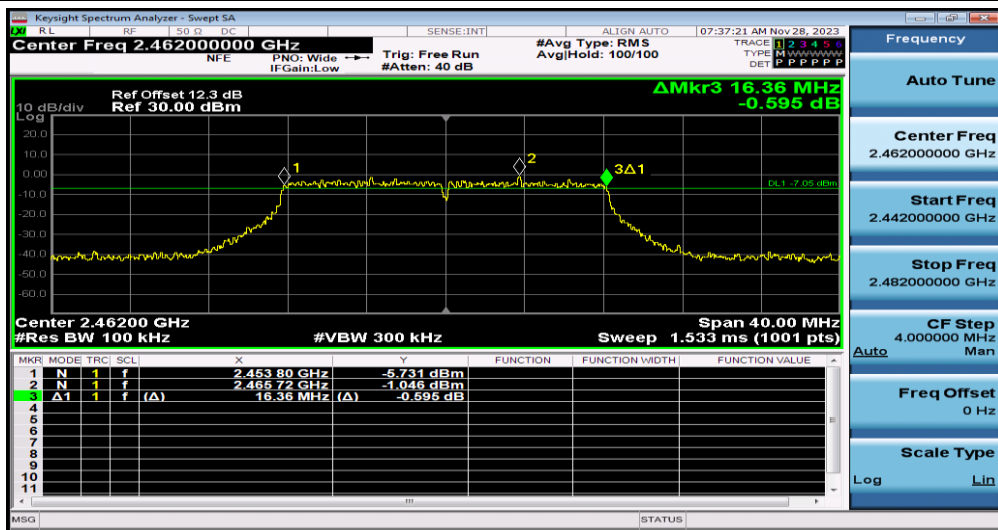
11B-Ant1-2462



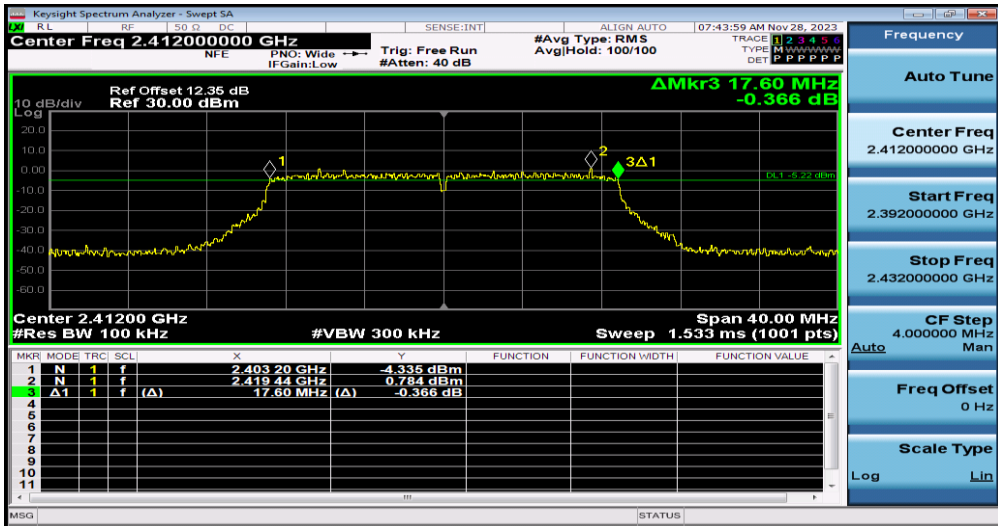
11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462



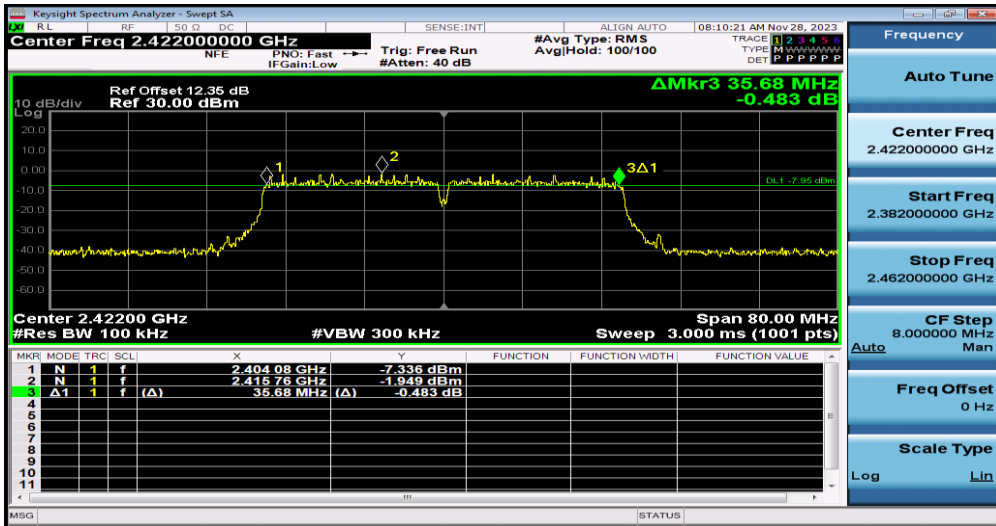
11N20SISO-Ant1-2412



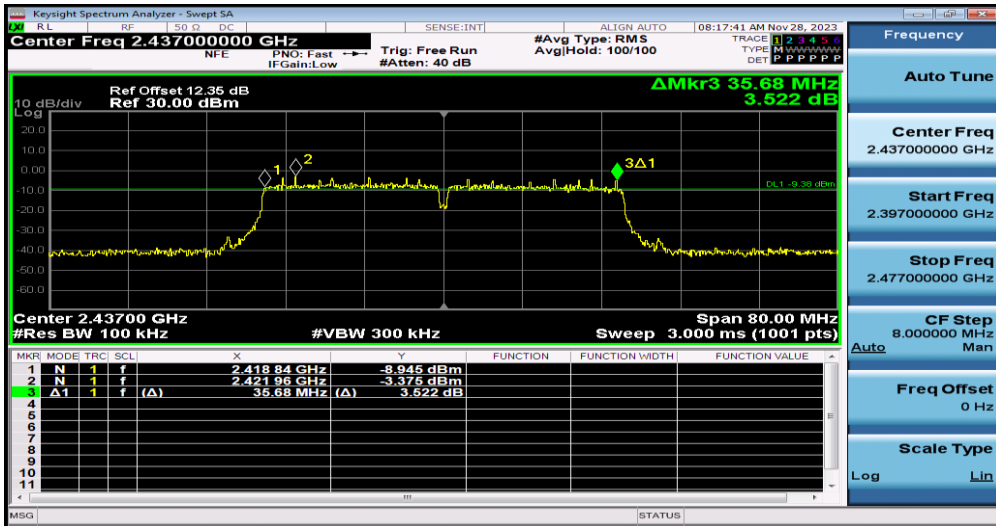
11N20SISO-Ant1-2437



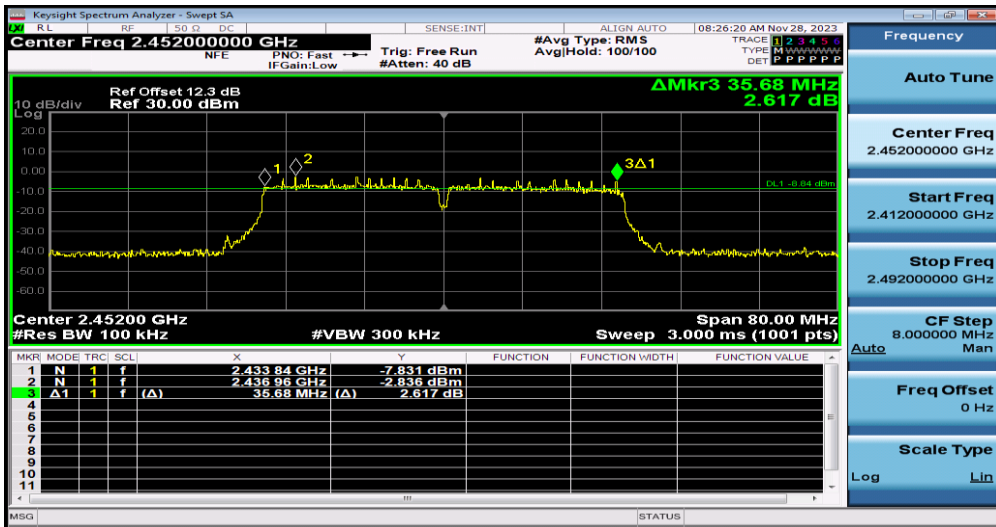
11N20SISO-Ant1-2462



11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



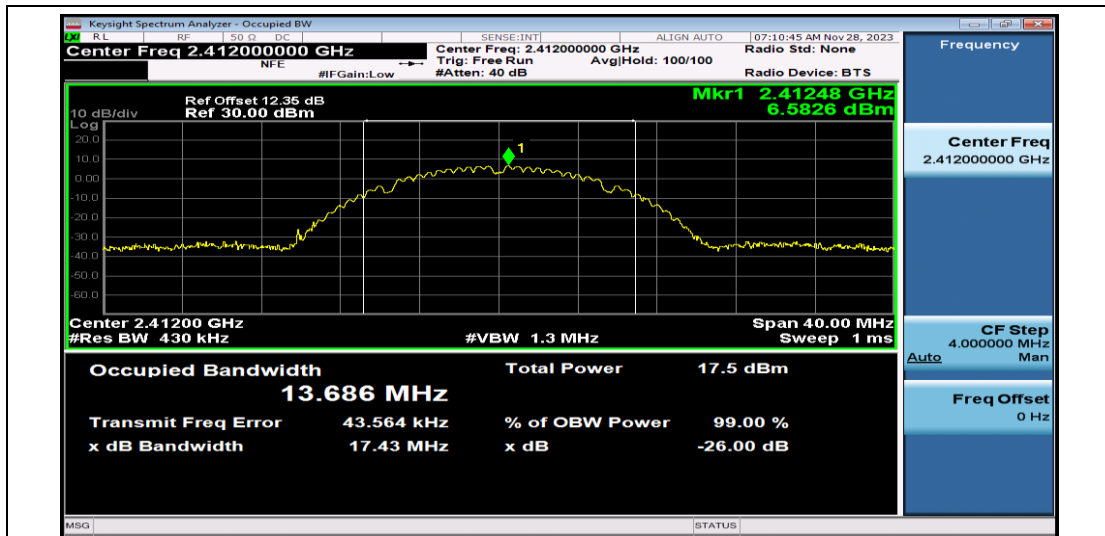
11N40SISO-Ant1-2452

Appendix B: Occupied Channel Bandwidth

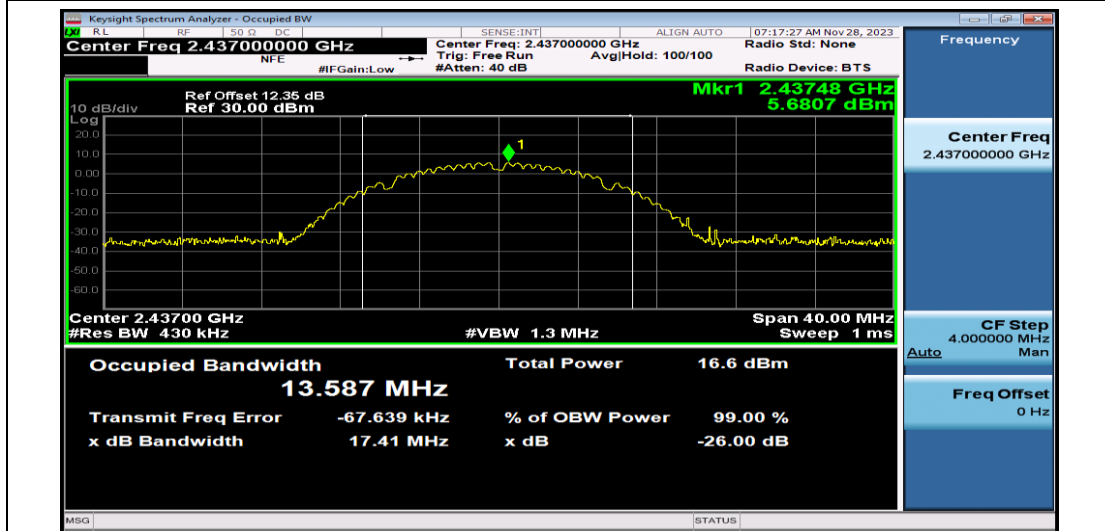
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.686	2405.2006	2418.8866	---	---
11B	Ant1	2437	13.587	2430.1389	2443.7259	---	---
11B	Ant1	2462	13.677	2455.0527	2468.7297	---	---
11G	Ant1	2412	17.052	2403.4168	2420.4688	---	---
11G	Ant1	2437	16.952	2428.4545	2445.4065	---	---
11G	Ant1	2462	16.927	2453.4453	2470.3723	---	---
11N20SISO	Ant1	2412	17.945	2403.0313	2420.9763	---	---
11N20SISO	Ant1	2437	18.006	2427.9433	2445.9493	---	---
11N20SISO	Ant1	2462	18.006	2452.9210	2470.9270	---	---
11N40SISO	Ant1	2422	36.554	2403.7582	2440.3122	---	---
11N40SISO	Ant1	2437	36.290	2418.7380	2455.0280	---	---
11N40SISO	Ant1	2452	36.501	2433.6062	2470.1072	---	---

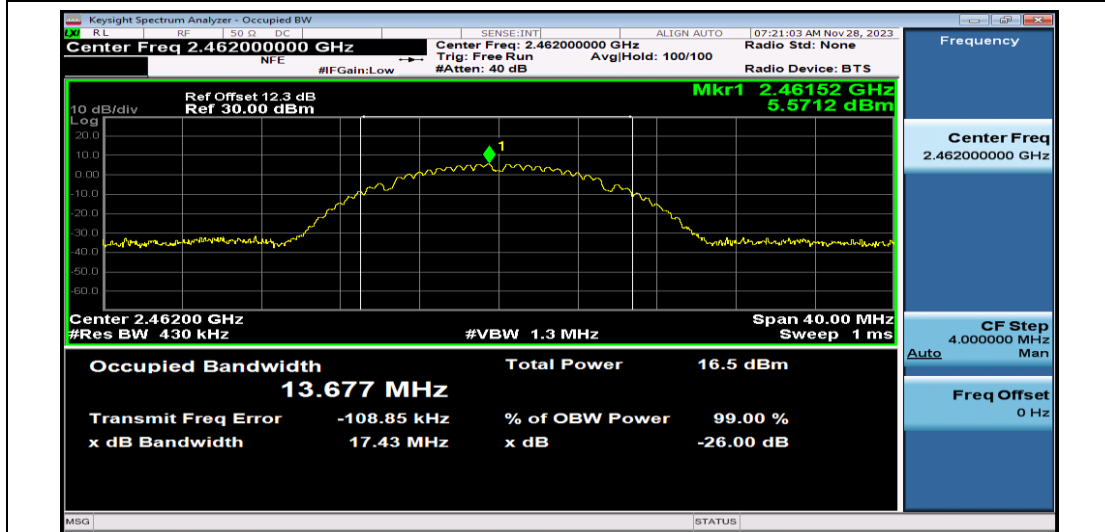
Test Graphs



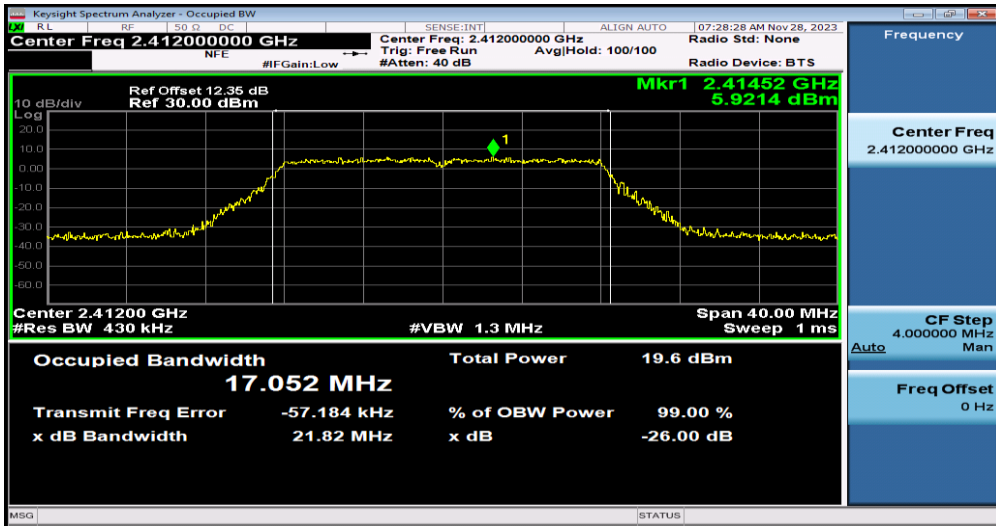
11B-Ant1-2412



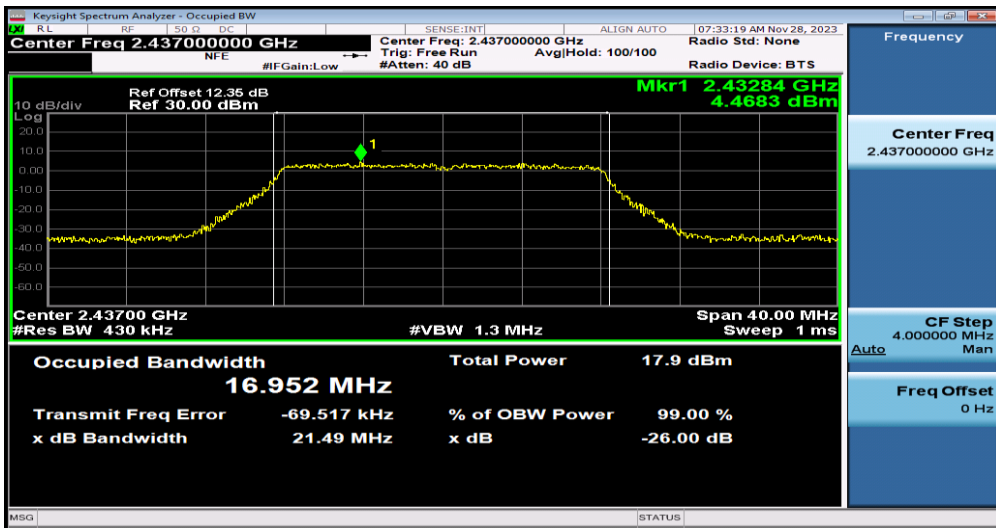
11B-Ant1-2437



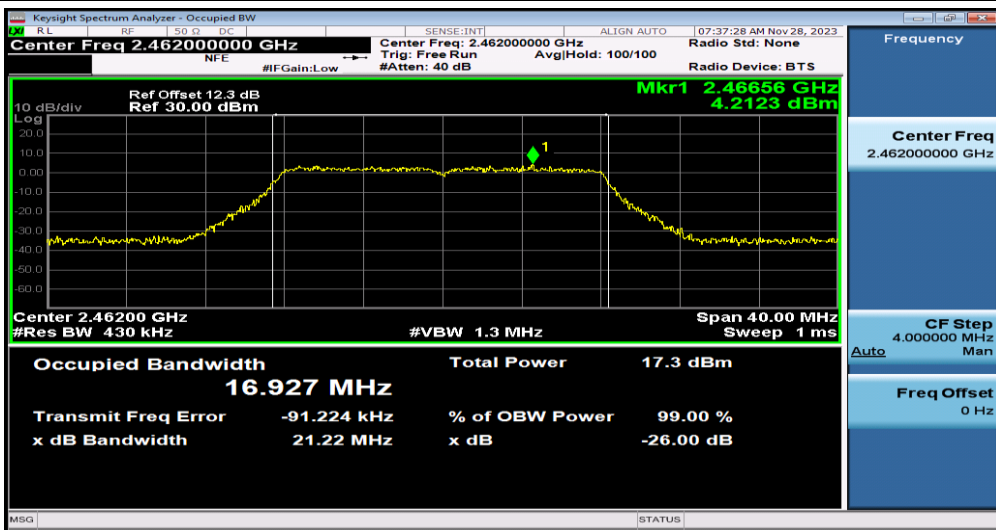
11B-Ant1-2462



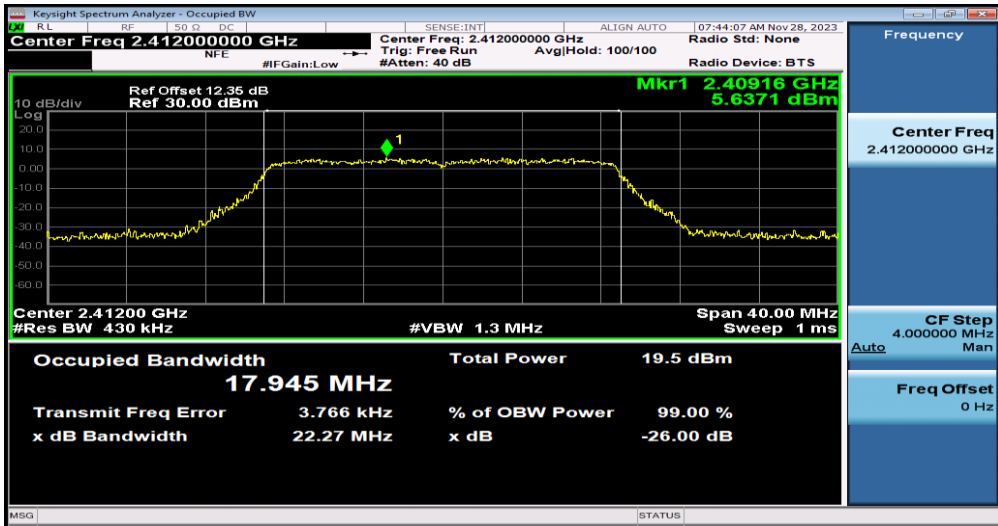
11G-Ant1-2412



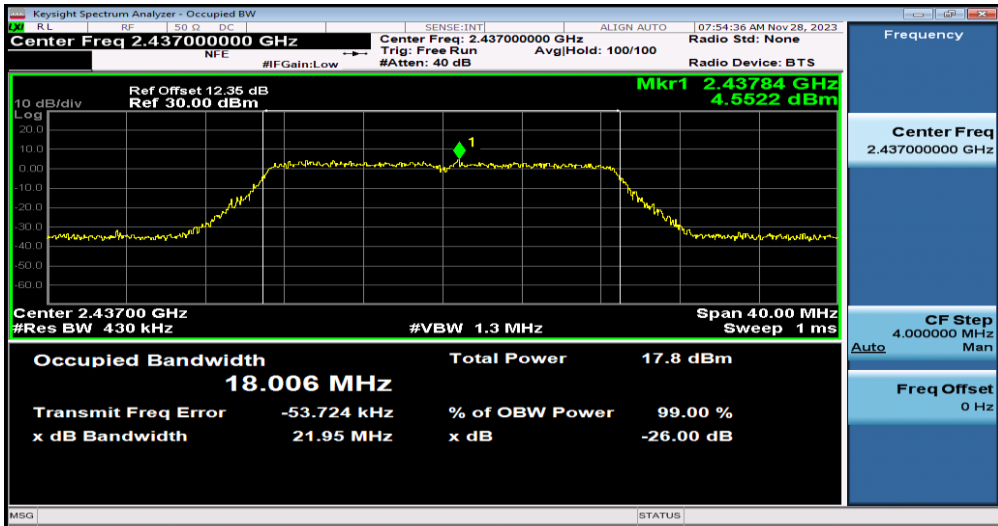
11G-Ant1-2437



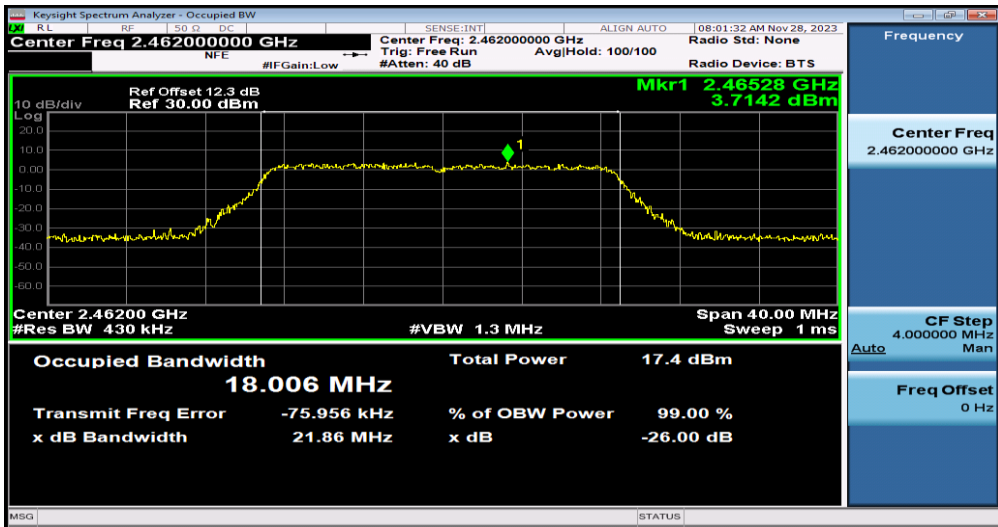
11G-Ant1-2462



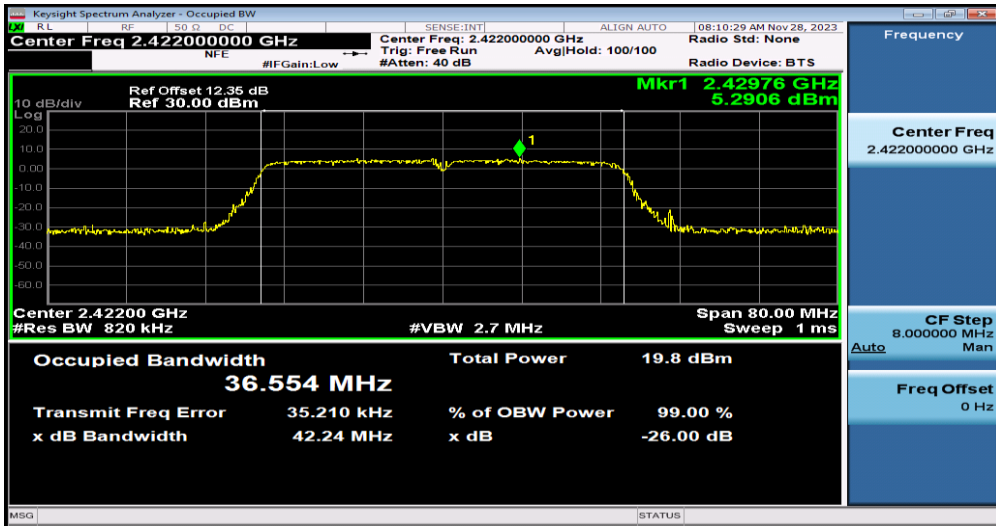
11N20SISO-Ant1-2412



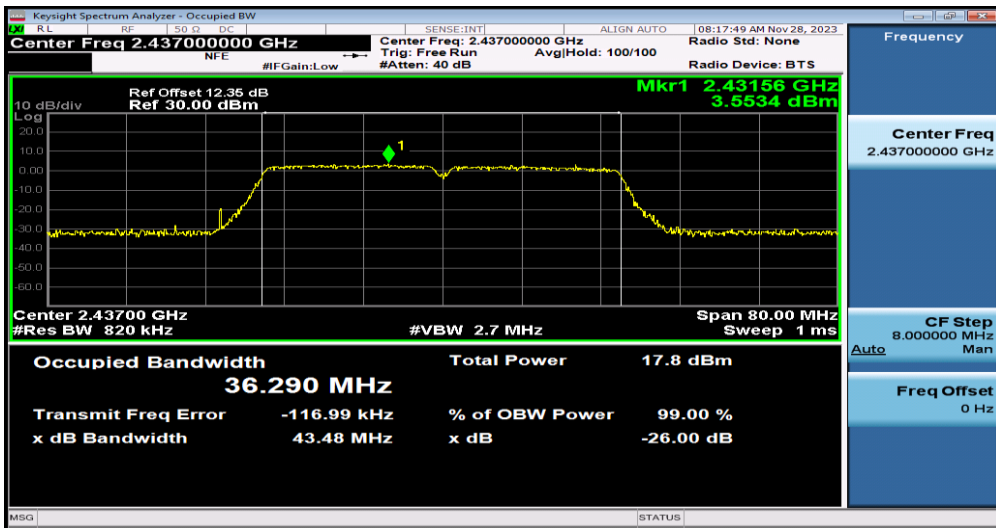
11N20SISO-Ant1-2437



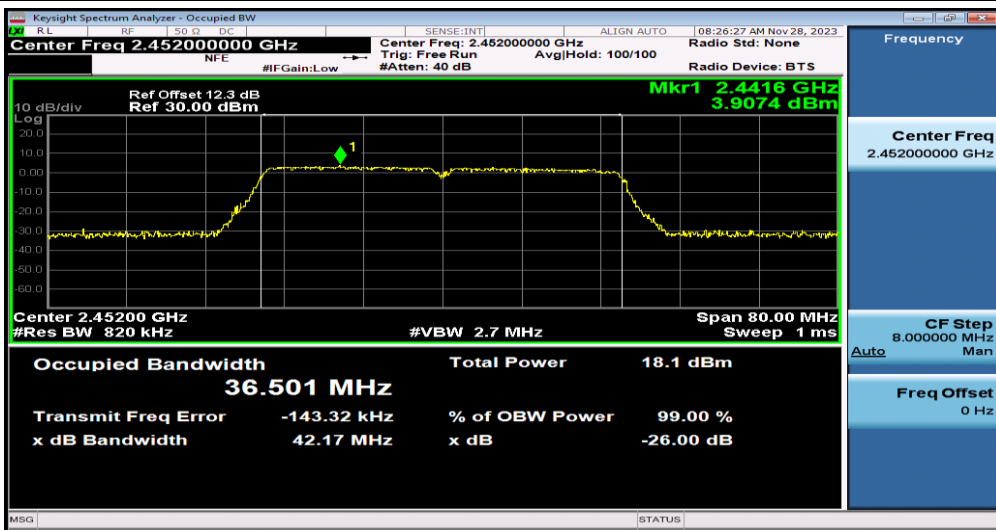
11N20SISO-Ant1-2462



11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



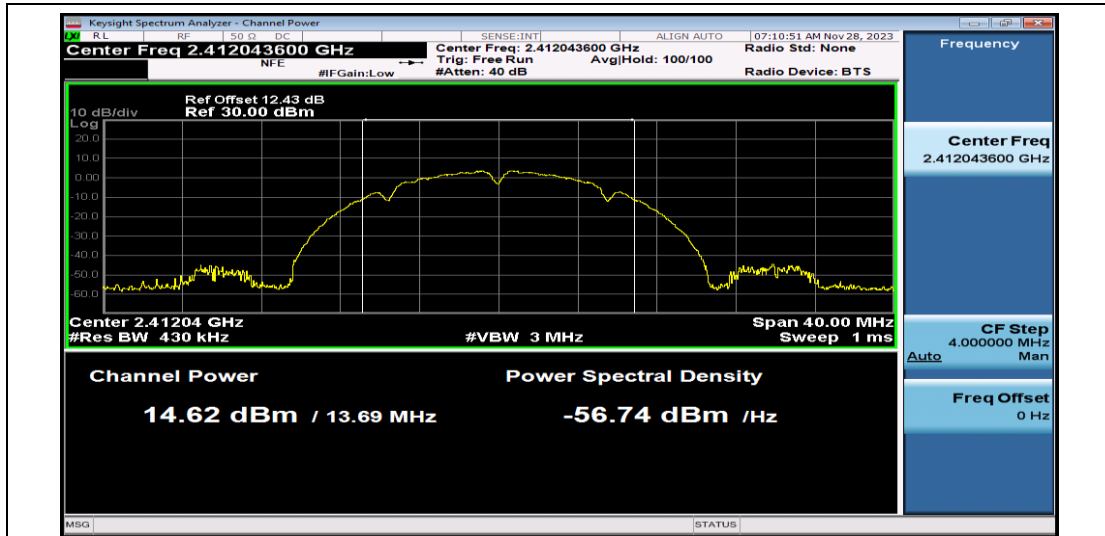
11N40SISO-Ant1-2452

Appendix C: Maximum conducted output power

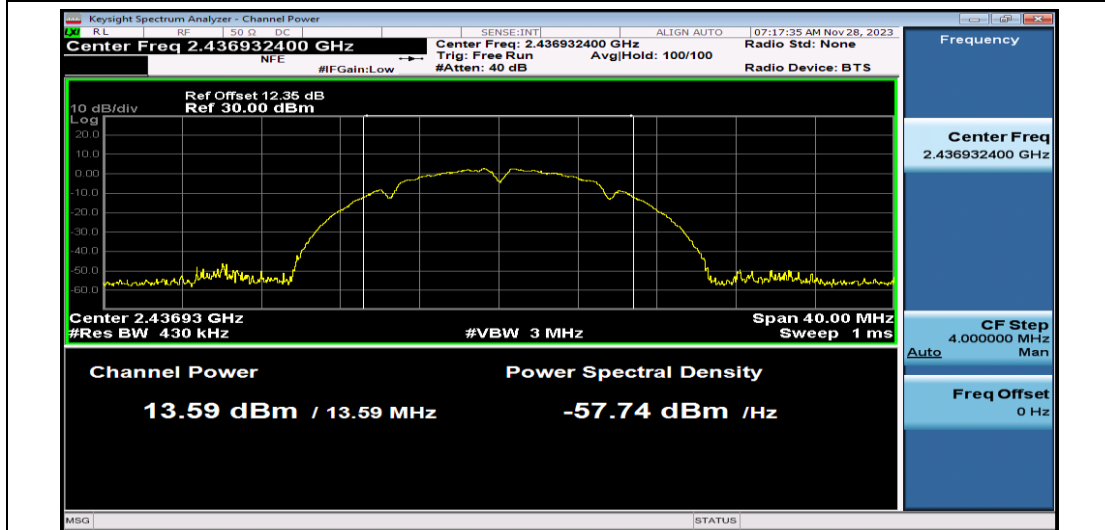
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	14.54	98.10	0.08	14.62	≤30.0 0	2.25	16.87	≤36.00	PASS
11B	Ant1	2437	13.59	100.00	0.00	13.59	≤30.0 0	2.25	15.84	≤36.00	PASS
11B	Ant1	2462	13.49	100.00	0.00	13.49	≤30.0 0	2.25	15.74	≤36.00	PASS
11G	Ant1	2412	13.31	93.24	0.30	13.61	≤30.0 0	2.25	15.86	≤36.00	PASS
11G	Ant1	2437	11.67	97.17	0.12	11.79	≤30.0 0	2.25	14.04	≤36.00	PASS
11G	Ant1	2462	11.21	95.81	0.19	11.40	≤30.0 0	2.25	13.65	≤36.00	PASS
11N20SI SO	Ant1	2412	13.20	93.20	0.31	13.51	≤30.0 0	2.25	15.76	≤36.00	PASS
11N20SI SO	Ant1	2437	11.53	94.12	0.26	11.79	≤30.0 0	2.25	14.04	≤36.00	PASS
11N20SI SO	Ant1	2462	11.12	91.87	0.37	11.49	≤30.0 0	2.25	13.74	≤36.00	PASS
11N40SI SO	Ant1	2422	12.51	85.59	0.68	13.19	≤30.0 0	2.25	15.44	≤36.00	PASS
11N40SI SO	Ant1	2437	10.47	86.24	0.64	11.11	≤30.0 0	2.25	13.36	≤36.00	PASS
11N40SI SO	Ant1	2452	10.61	86.36	0.64	11.25	≤30.0 0	2.25	13.50	≤36.00	PASS

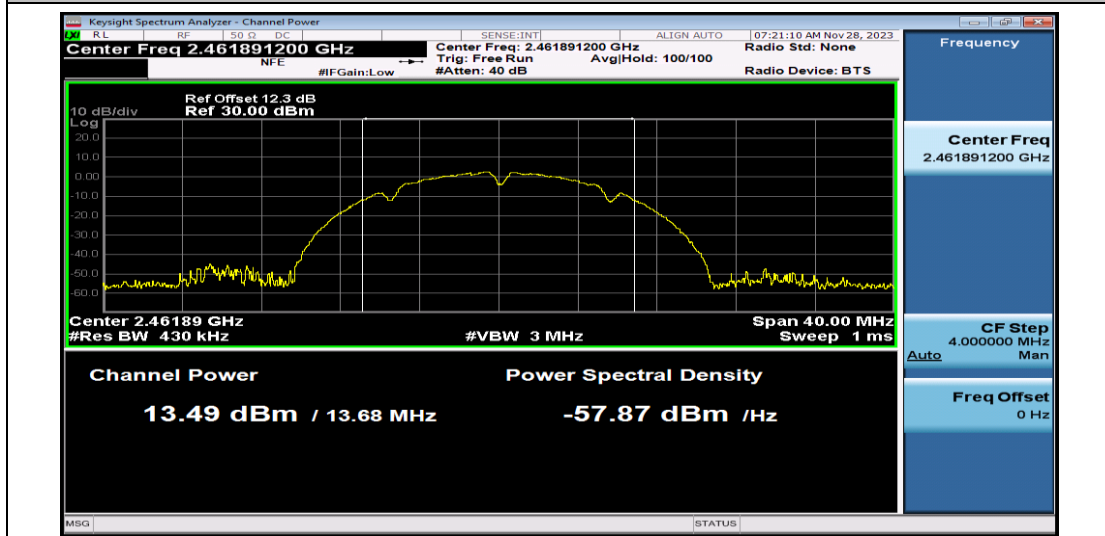
Test Graphs Average



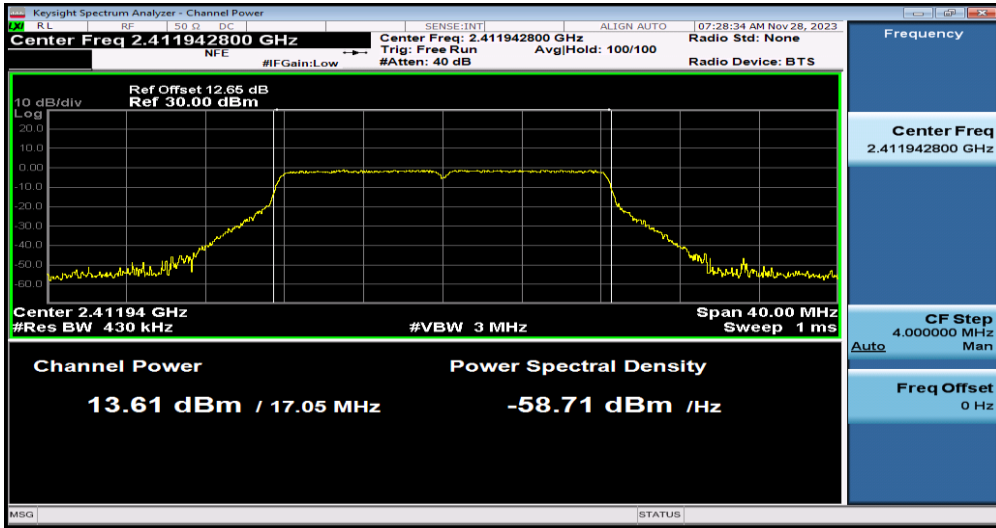
11B-Ant1-2412



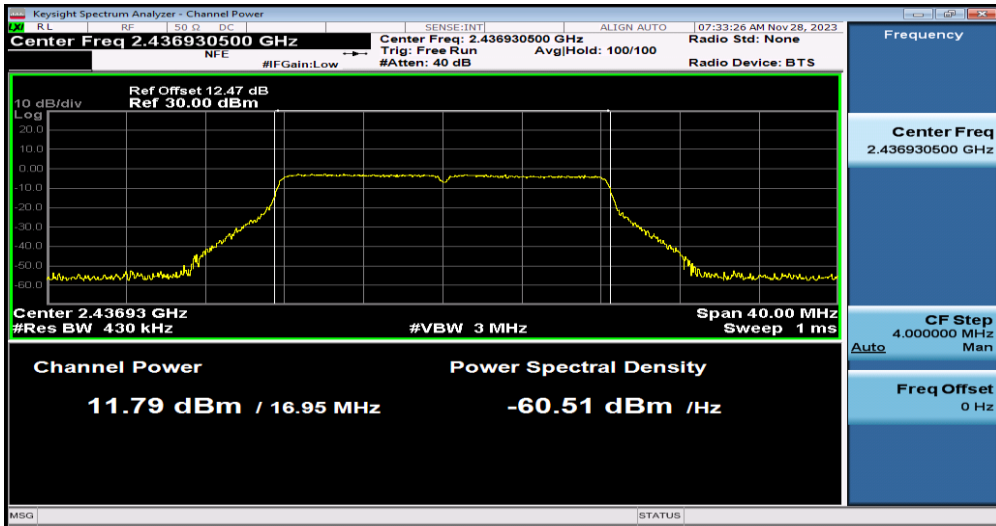
11B-Ant1-2437



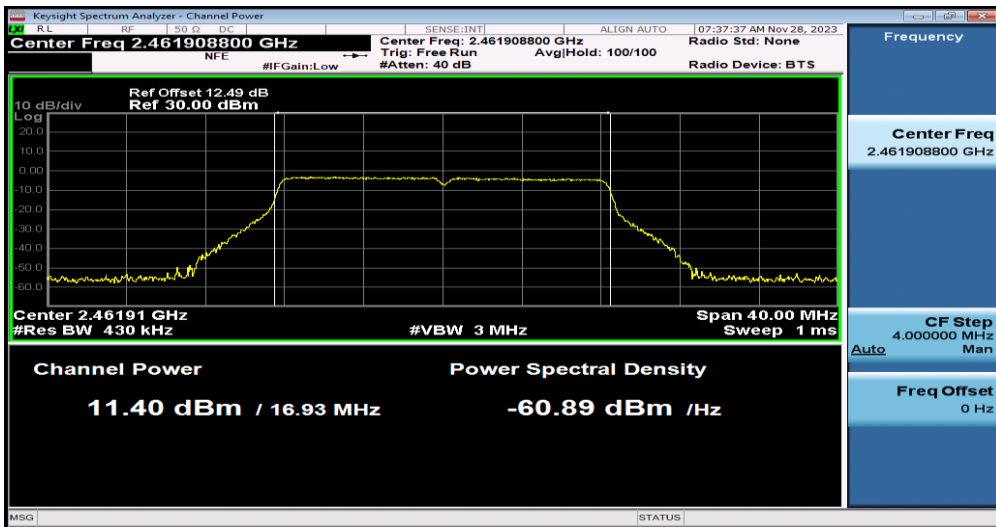
11B-Ant1-2462



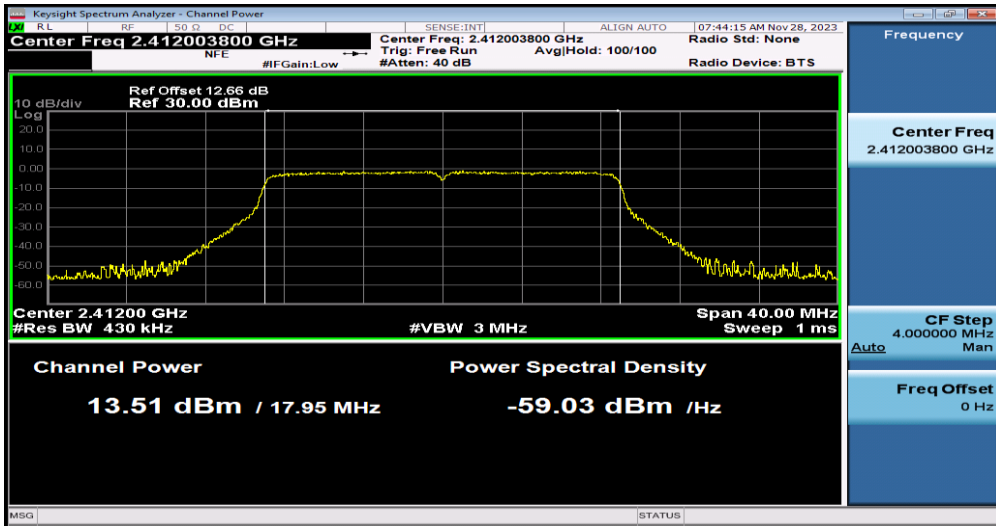
11G-Ant1-2412



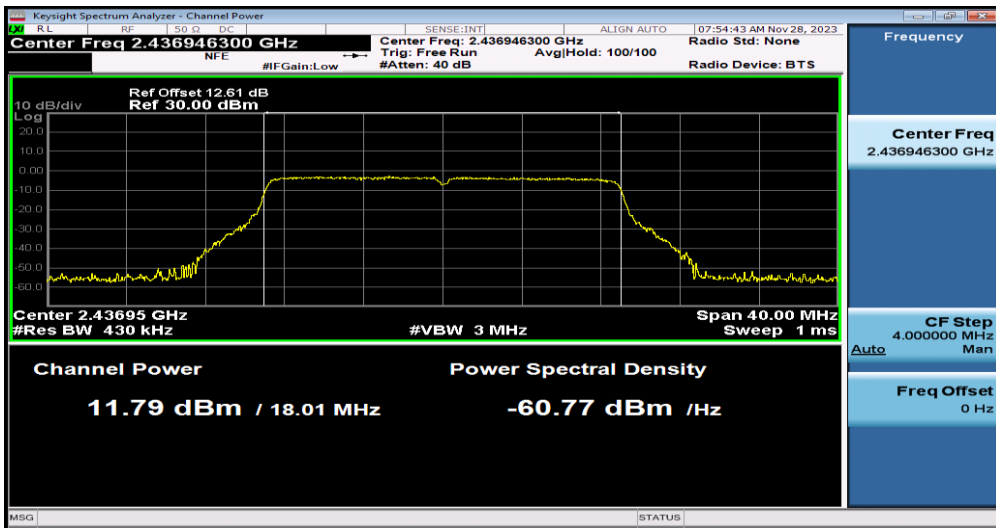
11G-Ant1-2437



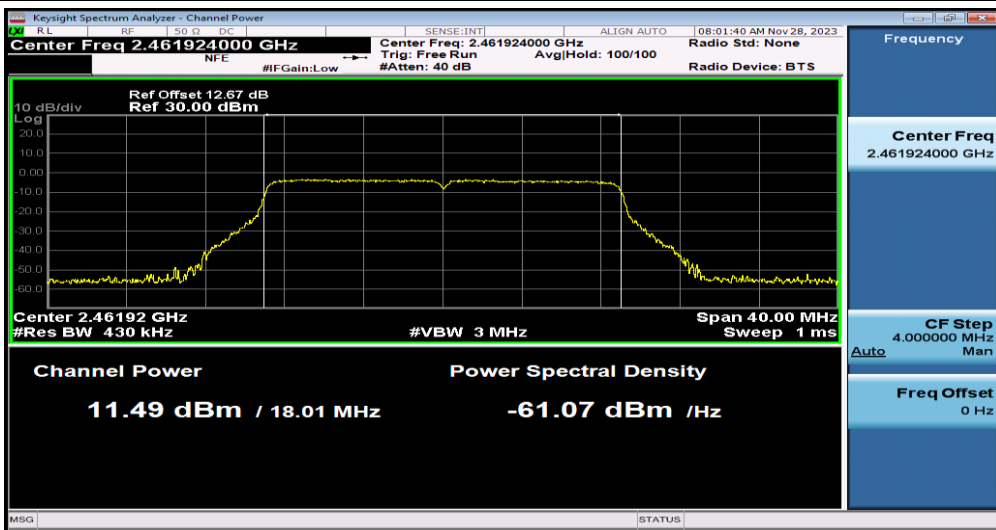
11G-Ant1-2462



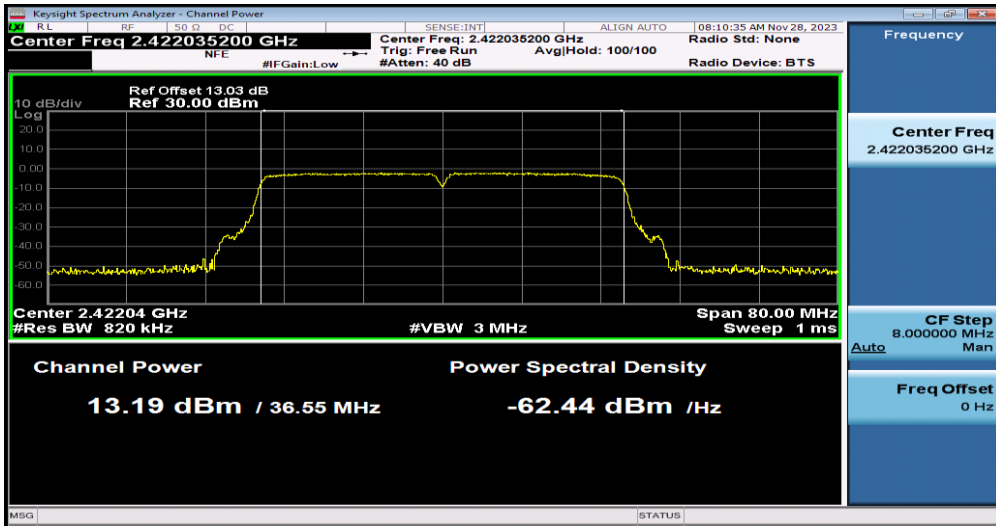
11N20SISO-Ant1-2412



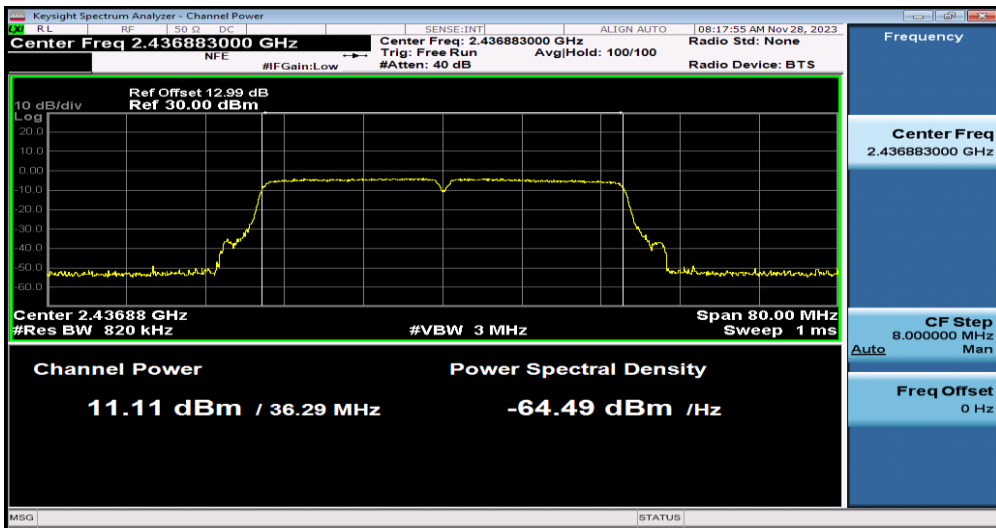
11N20SISO-Ant1-2437



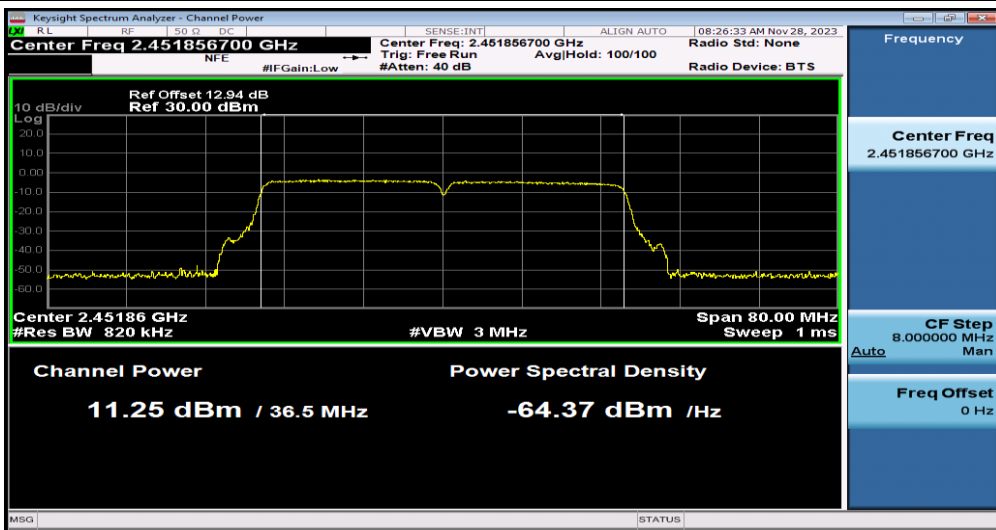
11N20SISO-Ant1-2462



11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



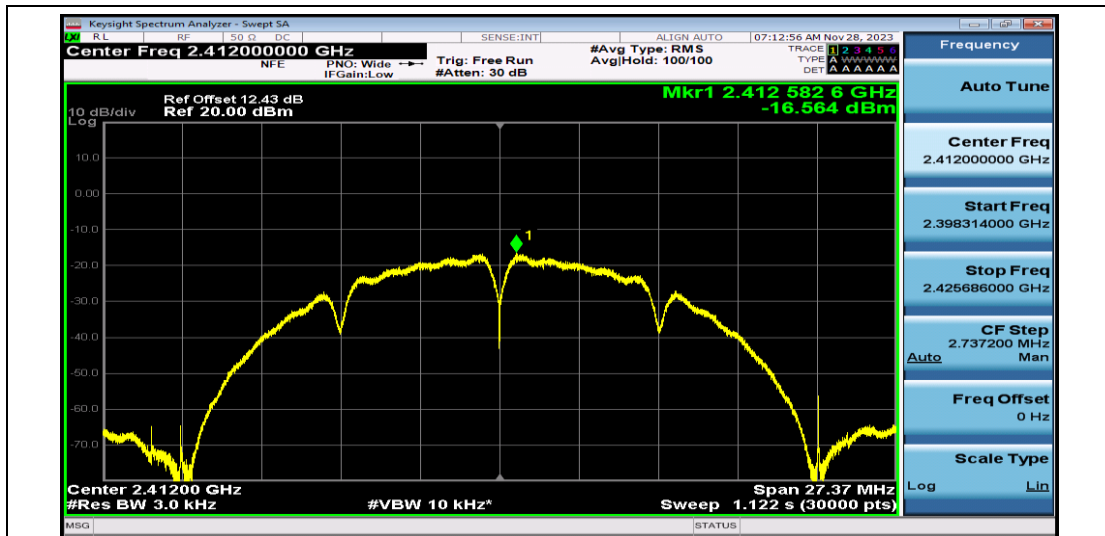
11N40SISO-Ant1-2452

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.56	≤8.00	PASS
11B	Ant1	2437	-17.56	≤8.00	PASS
11B	Ant1	2462	-17.71	≤8.00	PASS
11G	Ant1	2412	-17.95	≤8.00	PASS
11G	Ant1	2437	-19.84	≤8.00	PASS
11G	Ant1	2462	-19.81	≤8.00	PASS
11N20SISO	Ant1	2412	-18.38	≤8.00	PASS
11N20SISO	Ant1	2437	-19.49	≤8.00	PASS
11N20SISO	Ant1	2462	-19.59	≤8.00	PASS
11N40SISO	Ant1	2422	-20.18	≤8.00	PASS
11N40SISO	Ant1	2437	-21.21	≤8.00	PASS
11N40SISO	Ant1	2452	-22.39	≤8.00	PASS

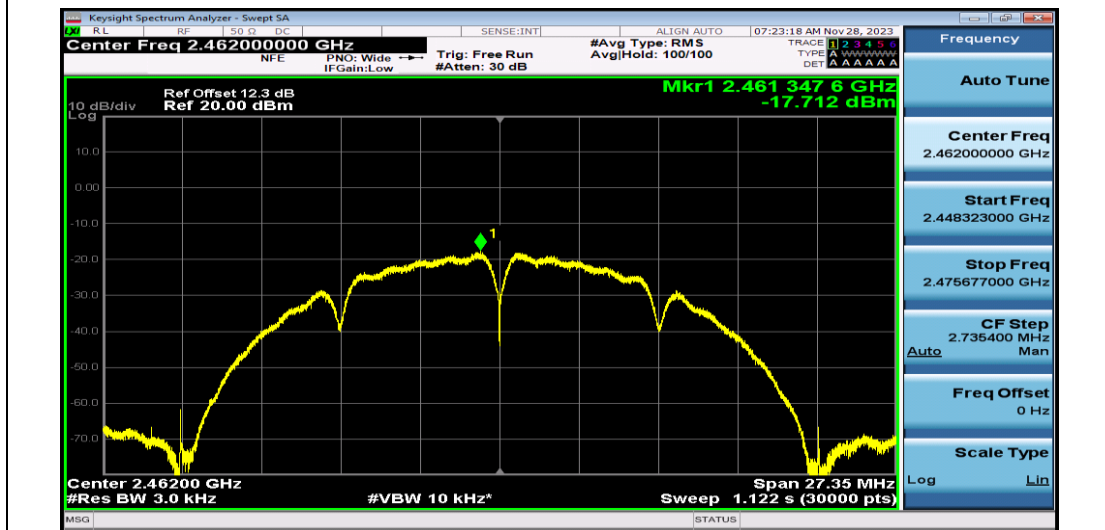
Test Graphs



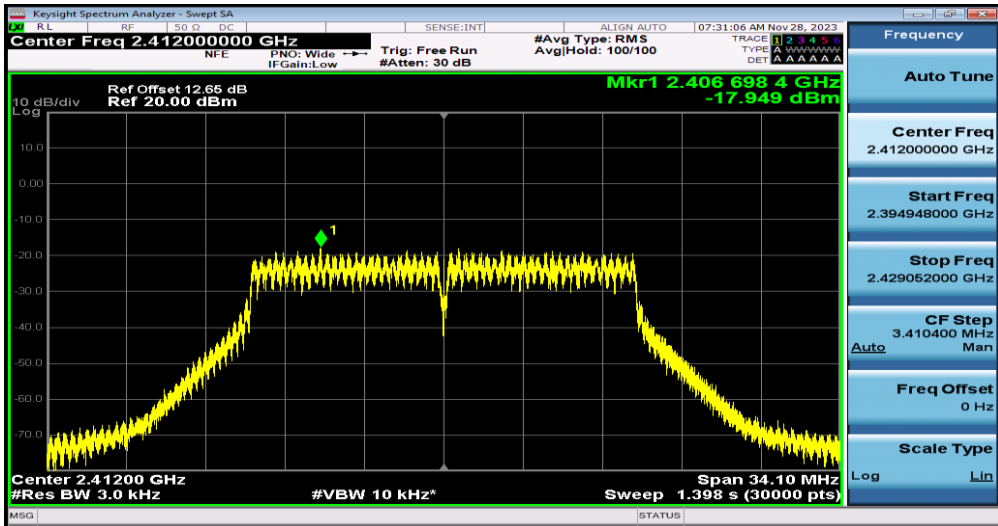
11B-Ant1-2412



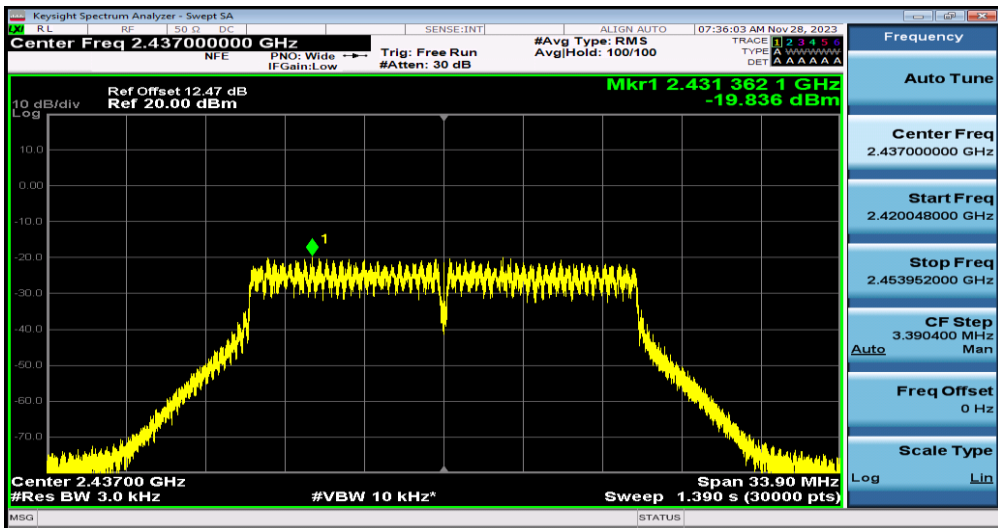
11B-Ant1-2437



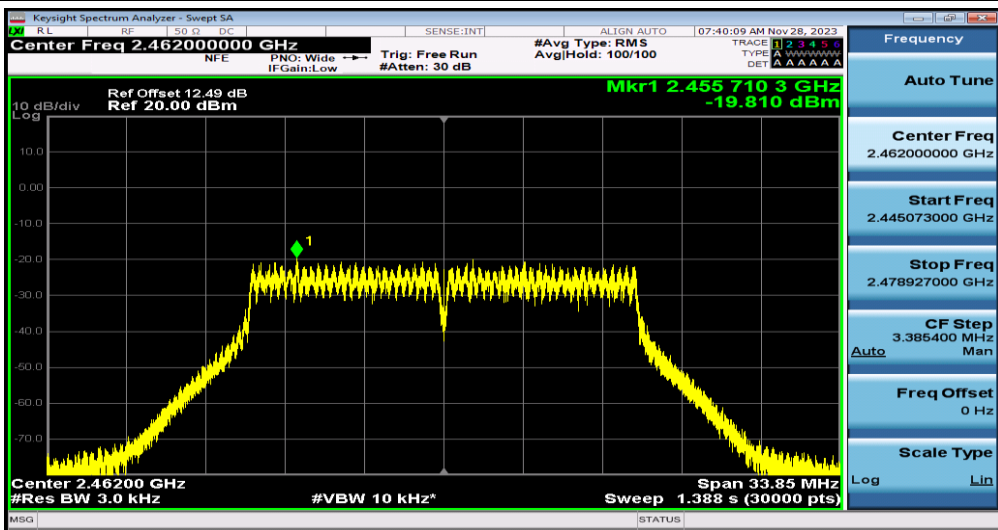
11B-Ant1-2462



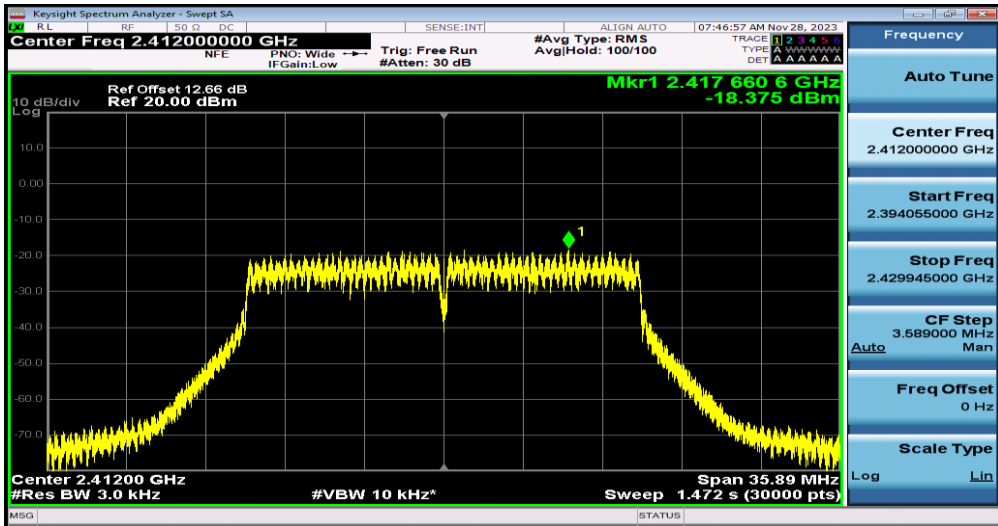
11G-Ant1-2412



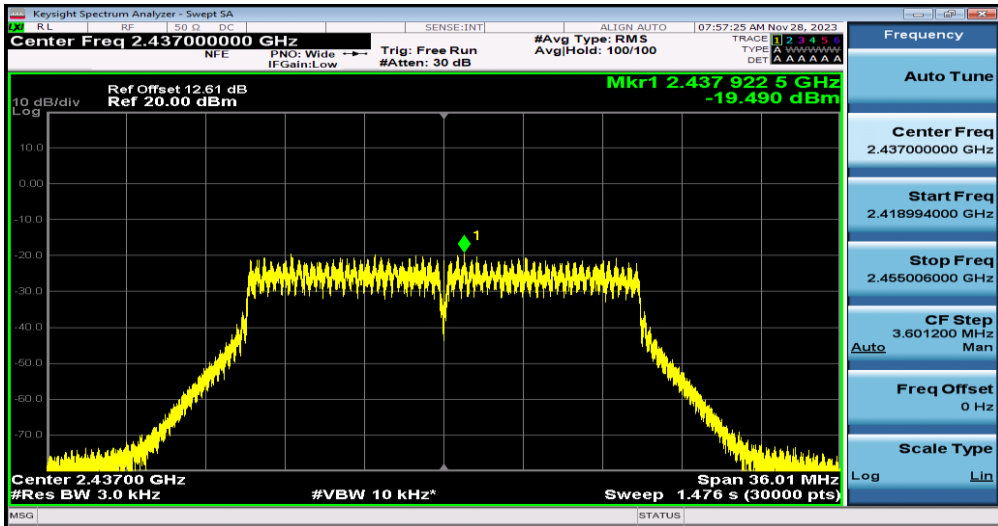
11G-Ant1-2437



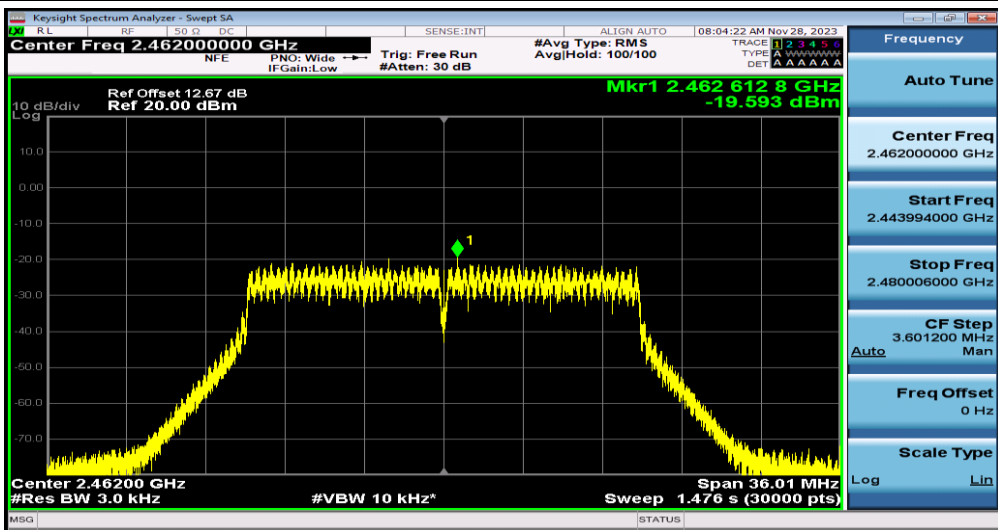
11G-Ant1-2462



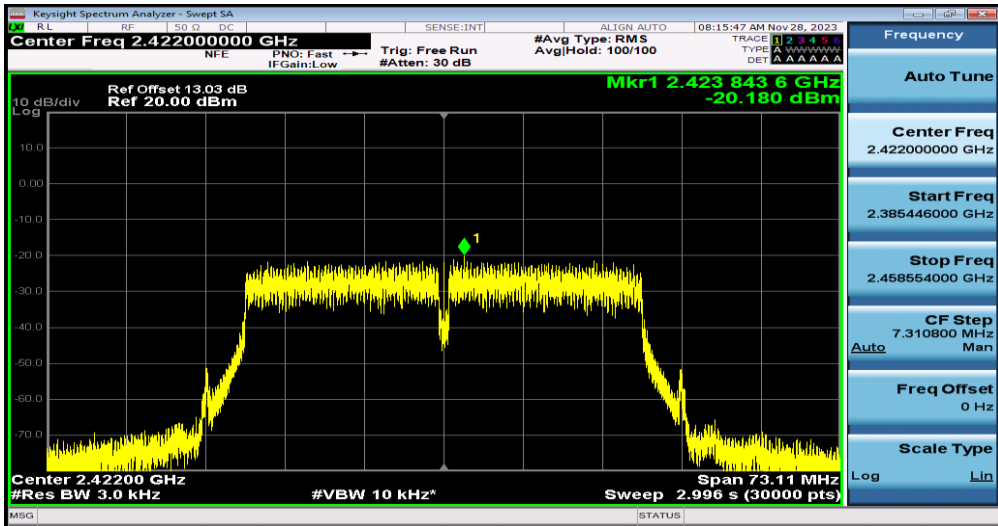
11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



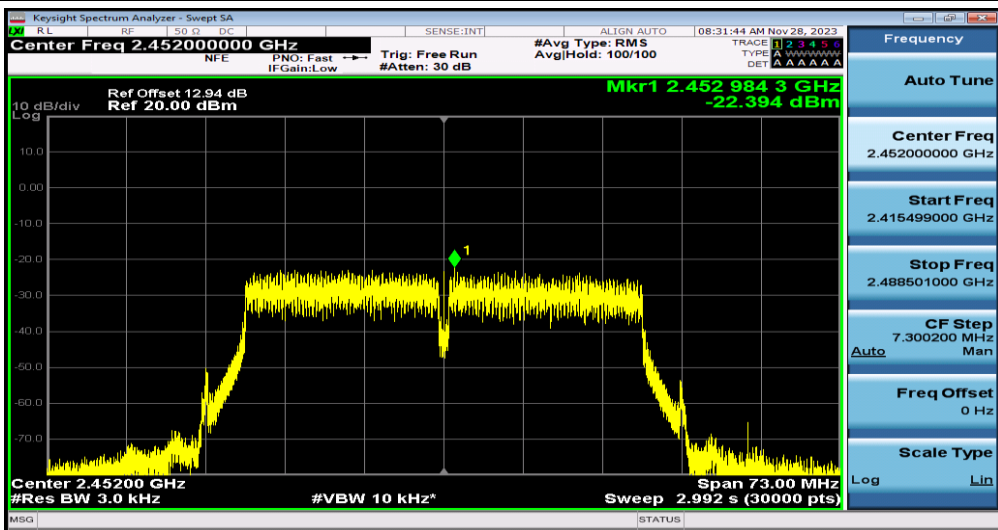
11N20SISO-Ant1-2462



11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



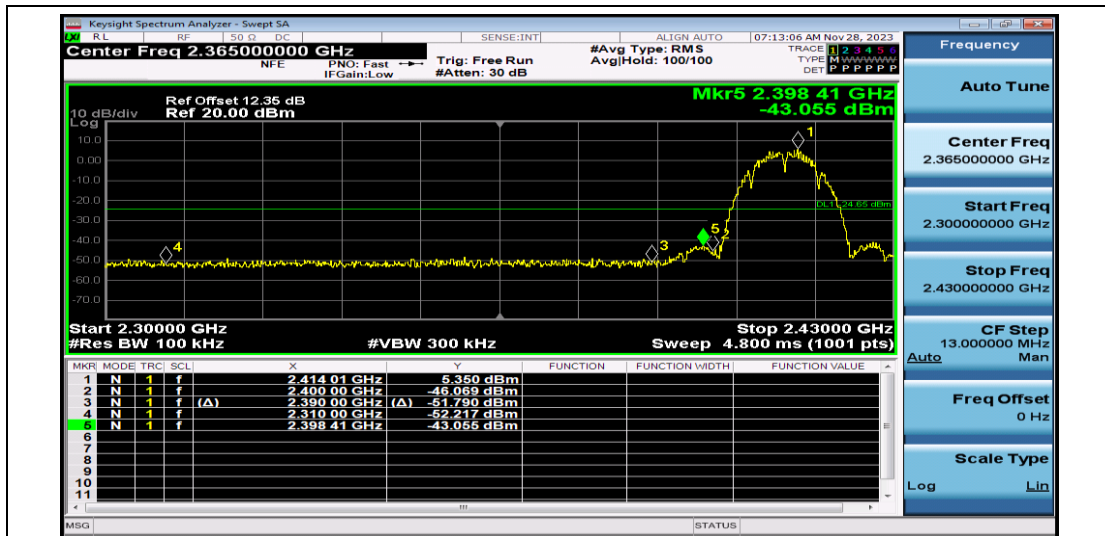
11N40SISO-Ant1-2452

Appendix F: Band edge measurements

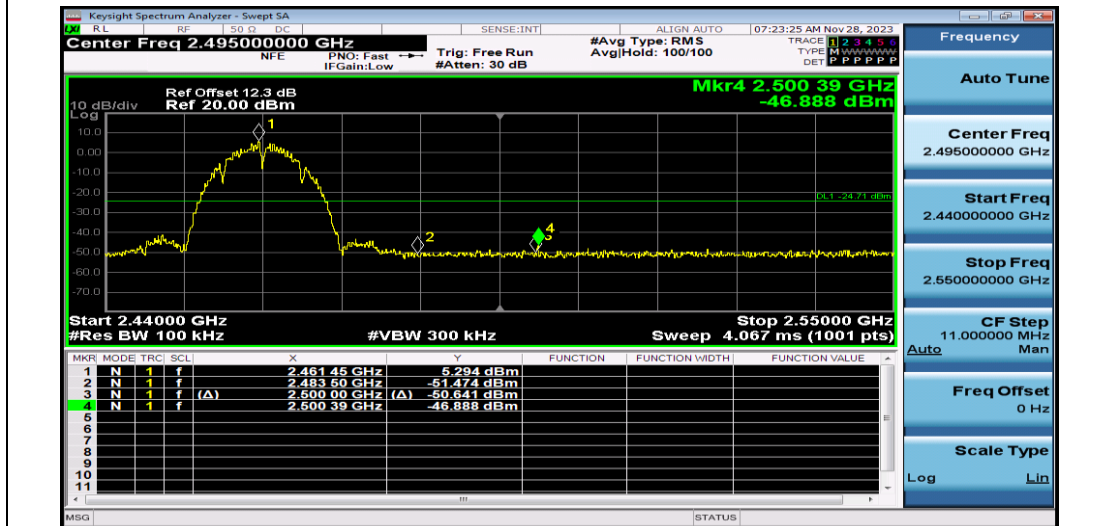
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.35	-43.06	≤-24.65	PASS
11B	Ant1	High	2462	5.29	-46.89	≤-24.71	PASS
11G	Ant1	Low	2412	1.72	-38.12	≤-28.28	PASS
11G	Ant1	High	2462	-0.77	-47.85	≤-30.77	PASS
11N20SISO	Ant1	Low	2412	1.30	-38.44	≤-28.7	PASS
11N20SISO	Ant1	High	2462	-0.61	-48.1	≤-30.61	PASS
11N40SISO	Ant1	Low	2422	-2.05	-36.49	≤-32.05	PASS
11N40SISO	Ant1	High	2452	-3.19	-46.51	≤-33.19	PASS

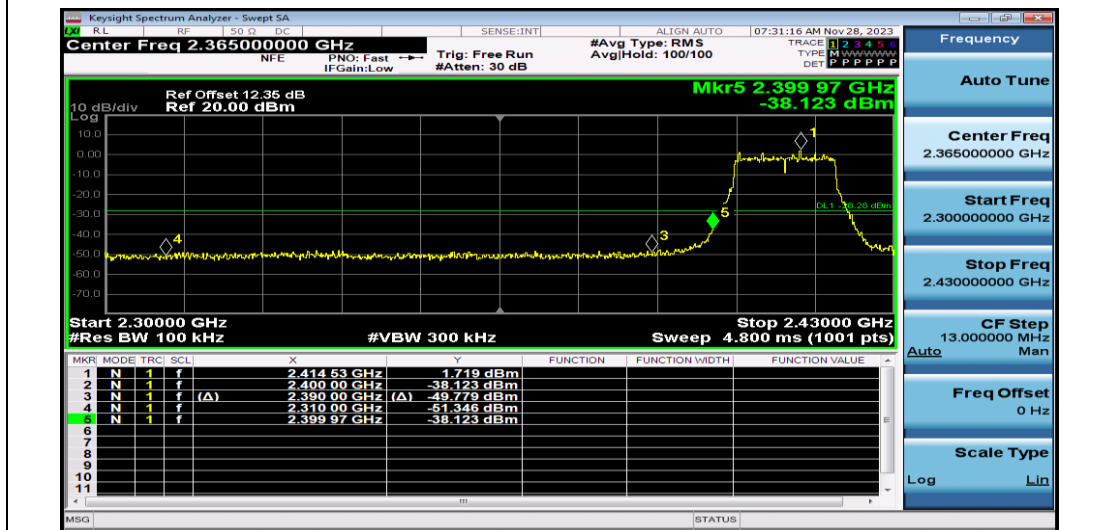
Test Graphs



11B-Ant1-2412



11B-Ant1-2462



11G-Ant1-2412