

Appendix B for the WIFI test results

Appendix B: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.960	2417.000	0.5	PASS
11B	Ant1	2437	8.560	2432.480	2441.040	0.5	PASS
11B	Ant1	2462	7.520	2458.000	2465.520	0.5	PASS
11G	Ant1	2412	13.800	2404.520	2418.320	0.5	PASS
11G	Ant1	2437	13.200	2430.120	2443.320	0.5	PASS
11G	Ant1	2462	15.280	2454.240	2469.520	0.5	PASS
11N20SISO	Ant1	2412	14.680	2404.880	2419.560	0.5	PASS
11N20SISO	Ant1	2437	14.960	2429.520	2444.480	0.5	PASS
11N20SISO	Ant1	2462	14.120	2455.440	2469.560	0.5	PASS

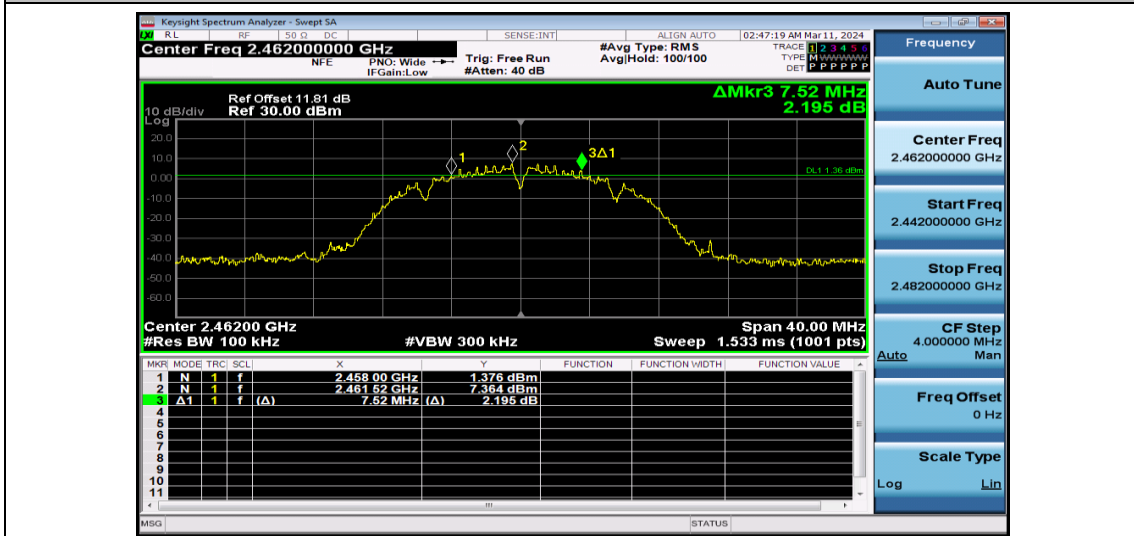
Test Graphs



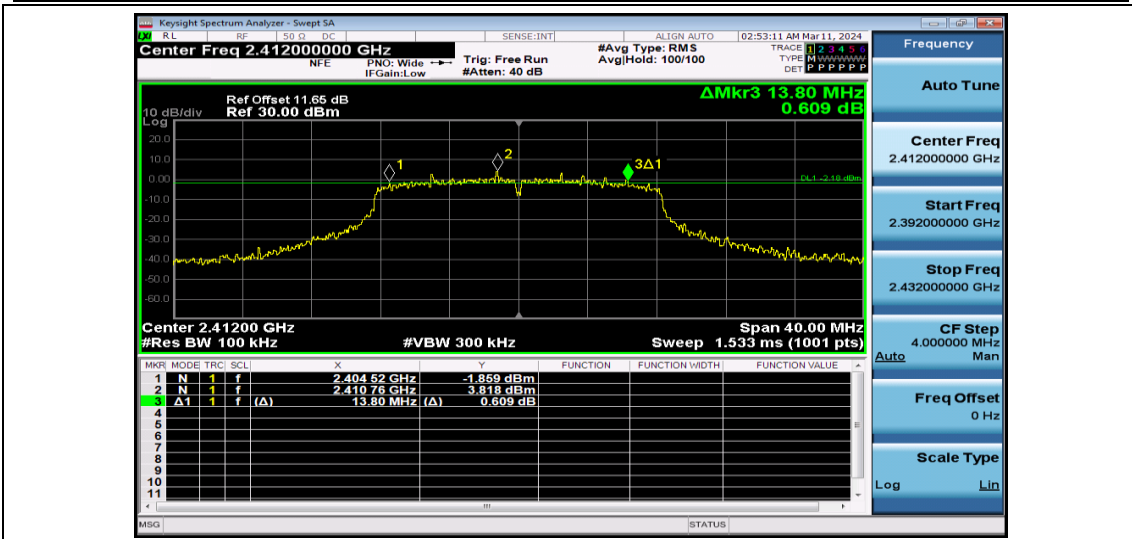
11B-Ant1-2412-PASS



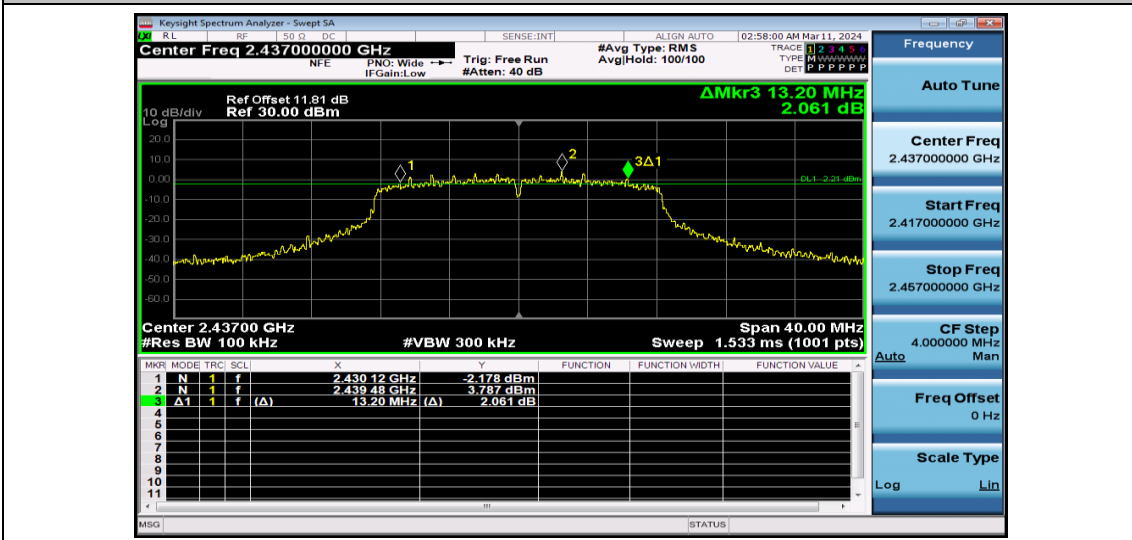
11B-Ant1-2437-PASS



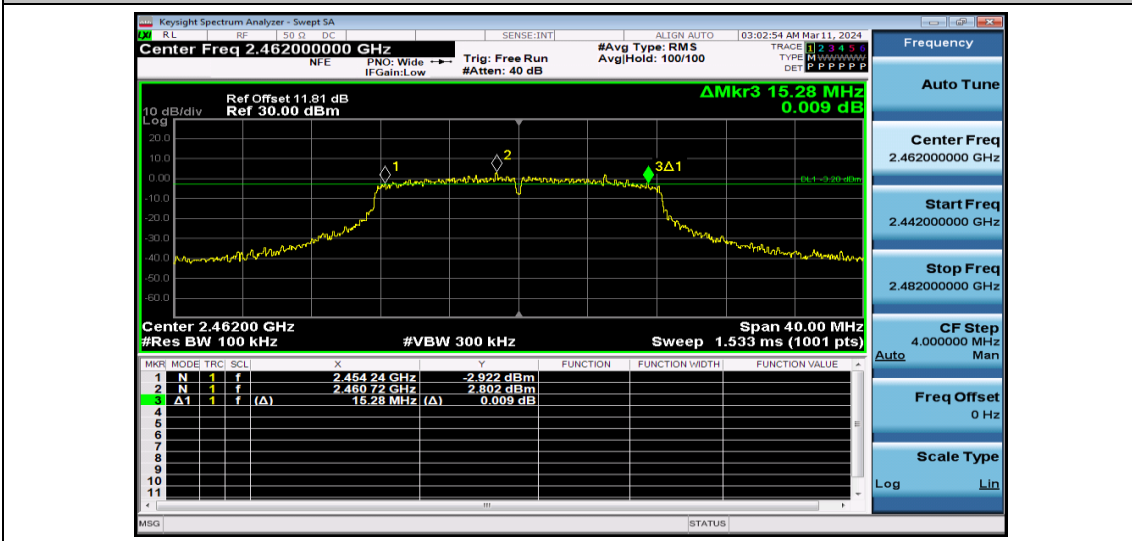
11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



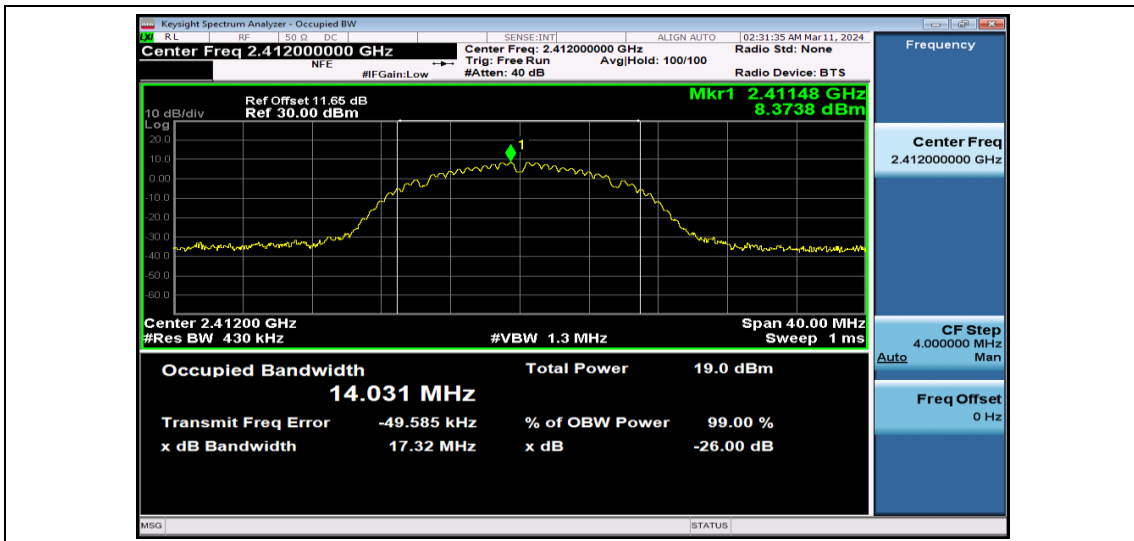
11N20SISO-Ant1-2462-PASS

Appendix B: Occupied Channel Bandwidth

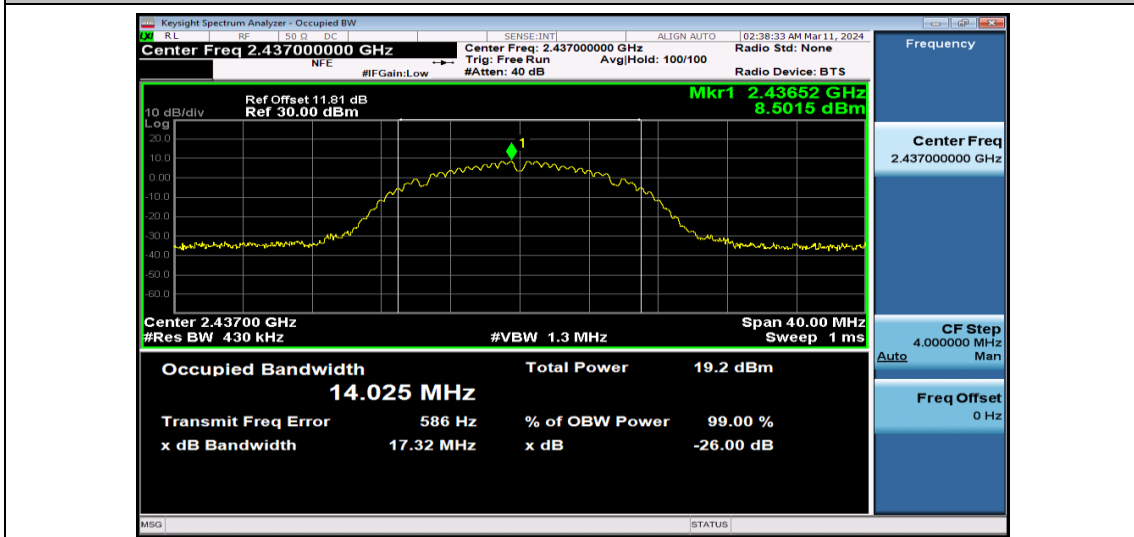
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.031	2404.9349	2418.9659	---	---
11B	Ant1	2437	14.025	2429.9881	2444.0131	---	---
11B	Ant1	2462	14.054	2454.9240	2468.9780	---	---
11G	Ant1	2412	16.622	2403.6578	2420.2798	---	---
11G	Ant1	2437	16.591	2428.7243	2445.3153	---	---
11G	Ant1	2462	16.655	2453.6409	2470.2959	---	---
11N20SISO	Ant1	2412	17.687	2403.1108	2420.7978	---	---
11N20SISO	Ant1	2437	17.744	2428.1446	2445.8886	---	---
11N20SISO	Ant1	2462	17.771	2453.0888	2470.8598	---	---

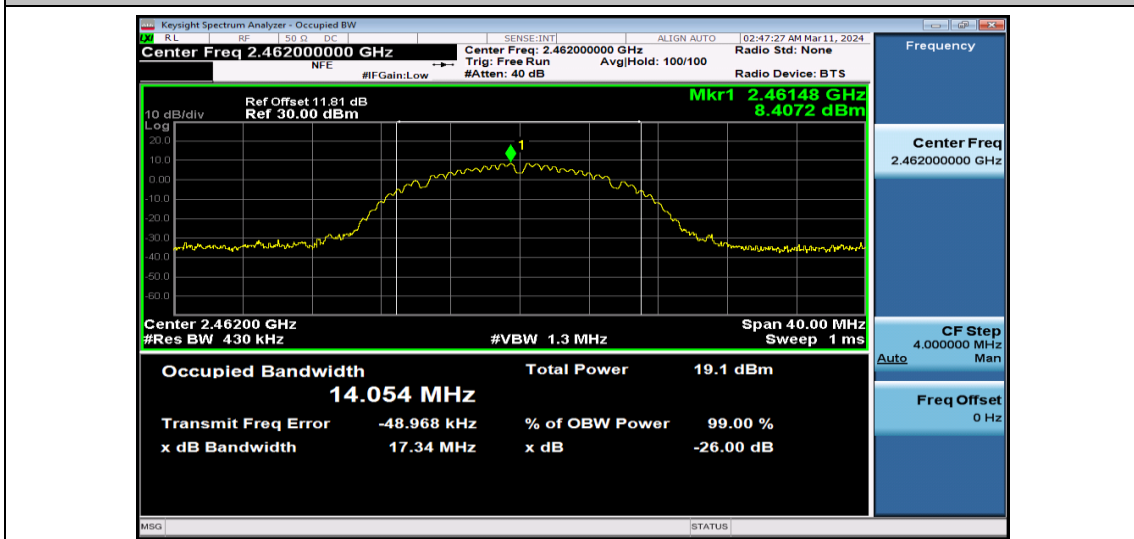
Test Graphs



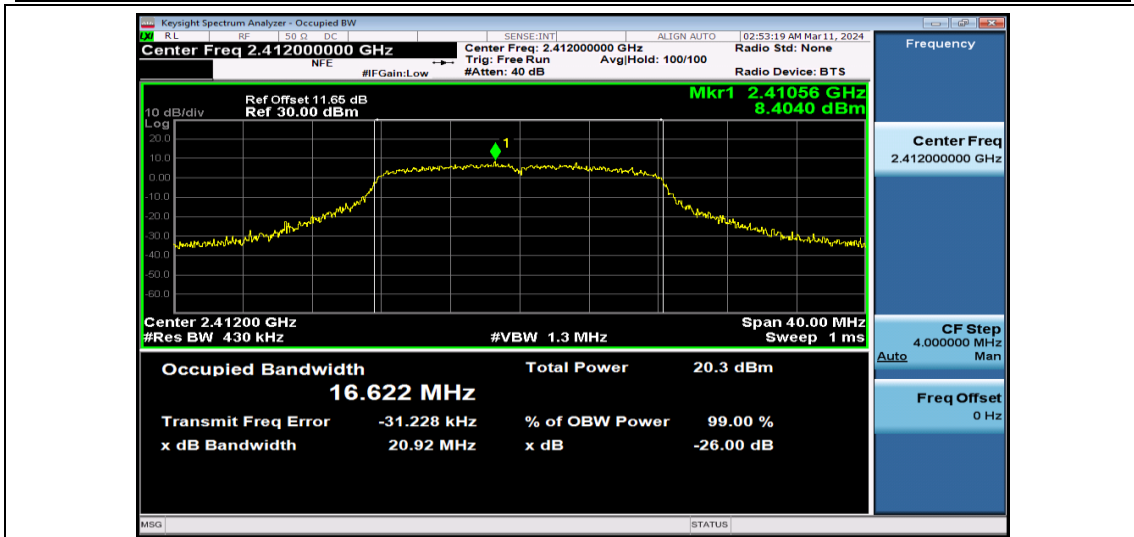
11B-Ant1-2412



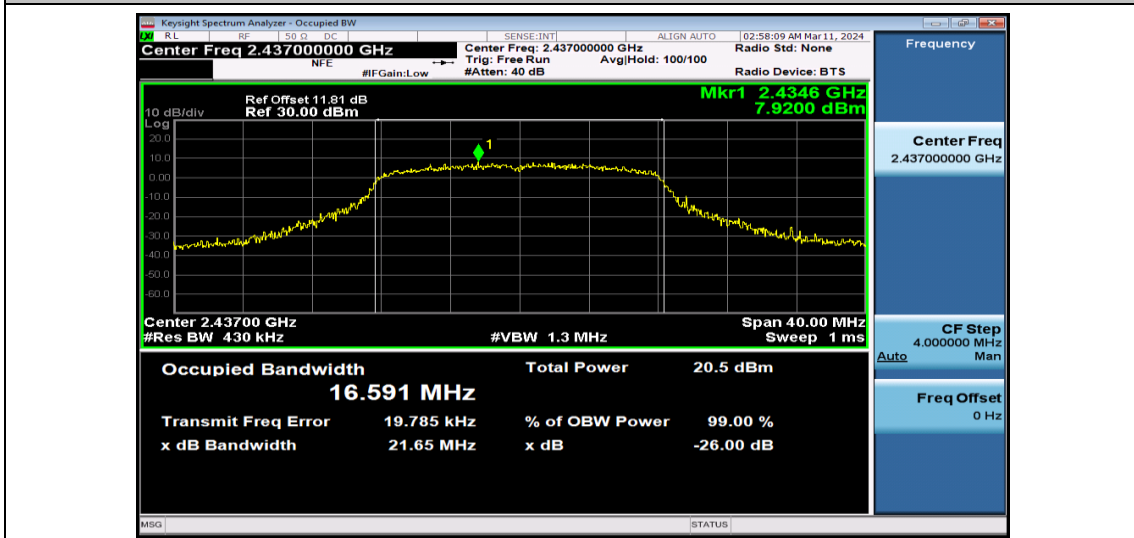
11B-Ant1-2437



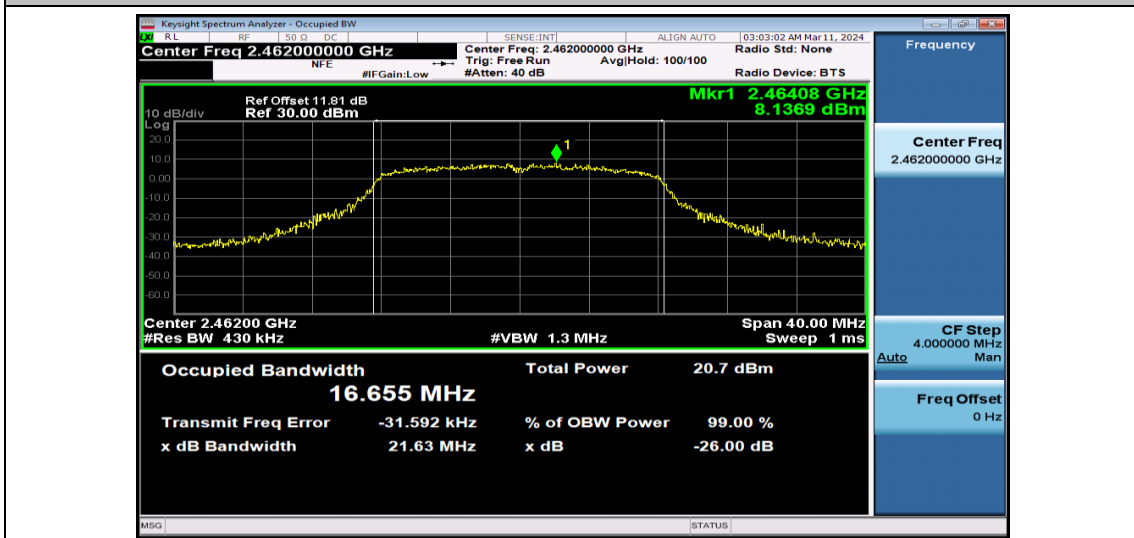
11B-Ant1-2462



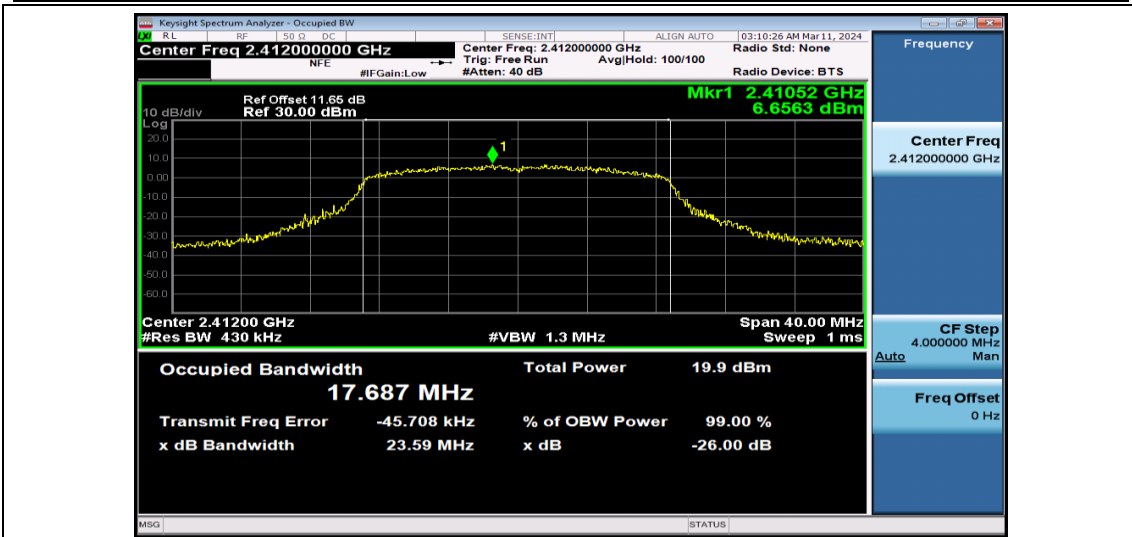
11G-Ant1-2412



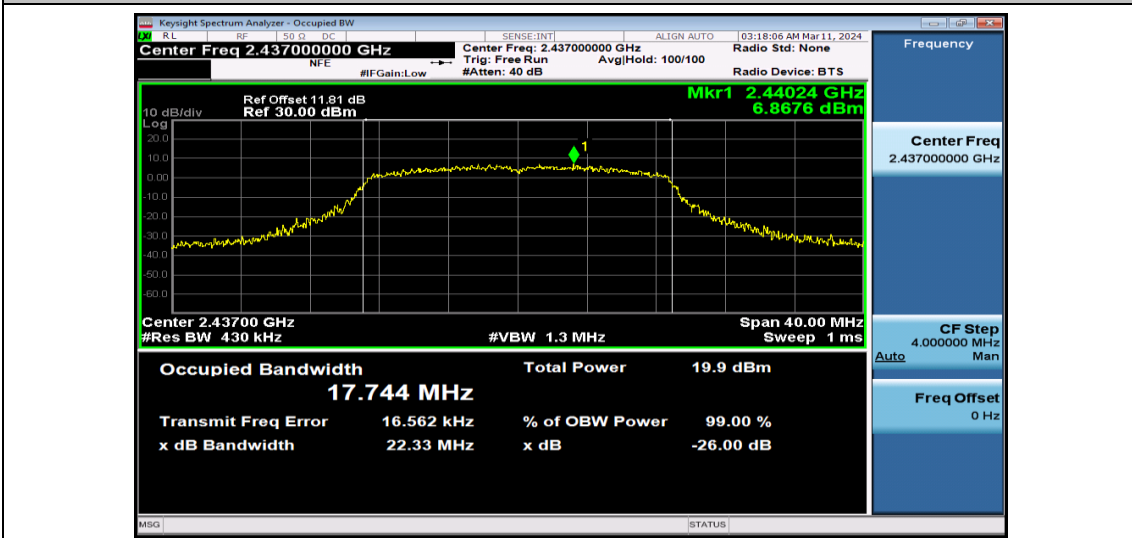
11G-Ant1-2437



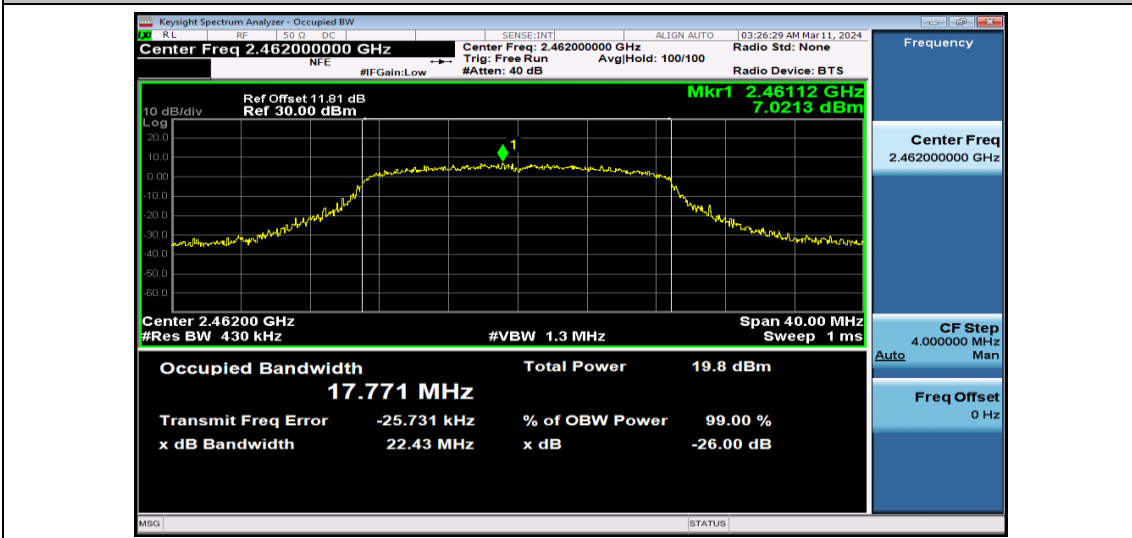
11G-Ant1-2462



11N20SISO-Ant1-2412



11N20SISO-Ant1-2437

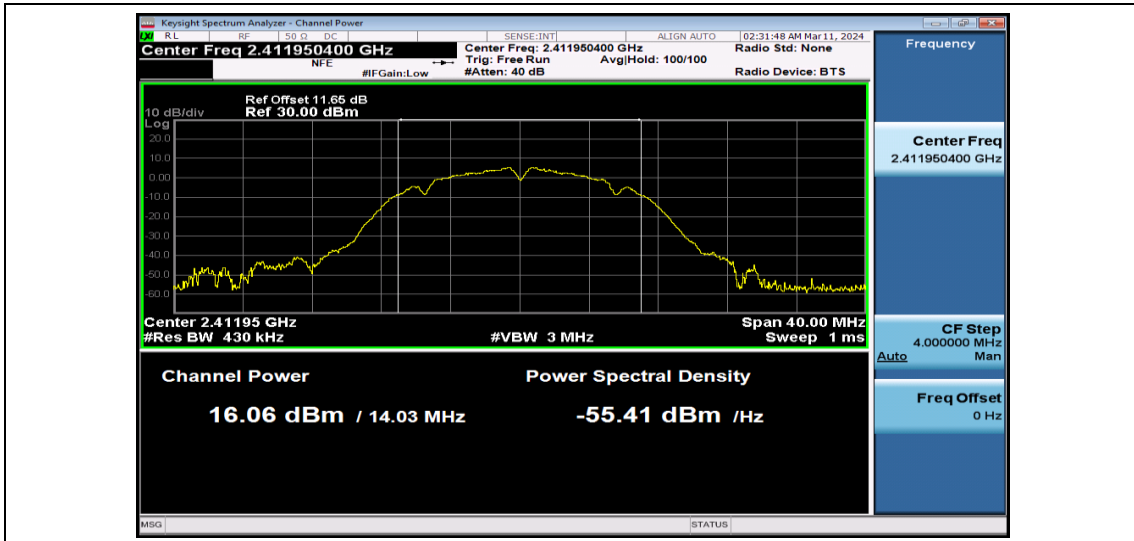


11N20SISO-Ant1-2462

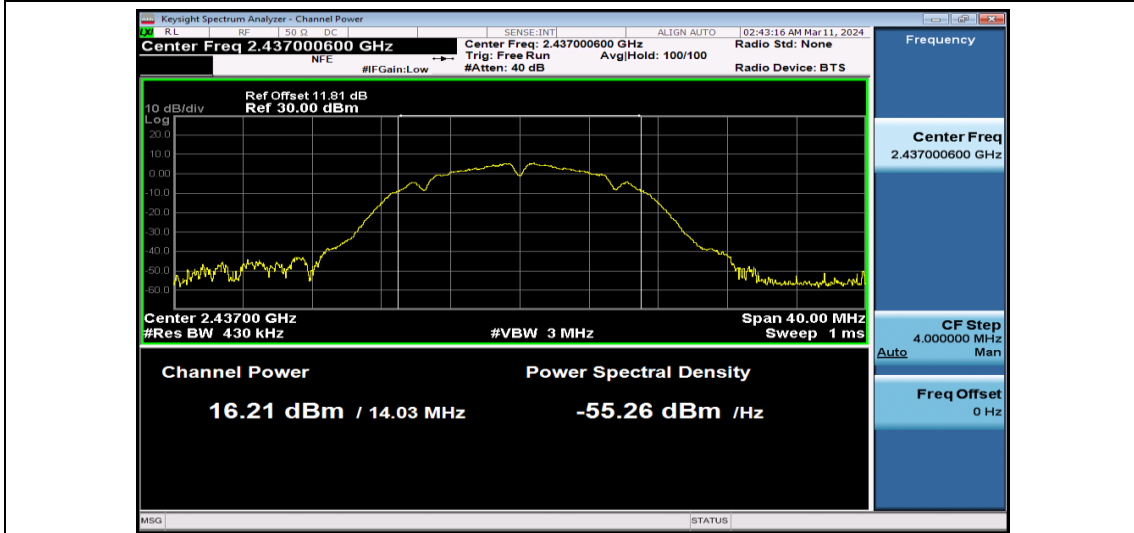
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	16.06	0.05	16.11	≤30.00	2.29	18.40	≤36.00	PASS
11B	Ant1	2437	16.21	0.05	16.26	≤30.00	2.29	18.55	≤36.00	PASS
11B	Ant1	2462	16.06	0.05	16.11	≤30.00	2.29	18.40	≤36.00	PASS
11G	Ant1	2412	14.08	0.30	14.38	≤30.00	2.29	16.67	≤36.00	PASS
11G	Ant1	2437	14.17	0.27	14.44	≤30.00	2.29	16.73	≤36.00	PASS
11G	Ant1	2462	14.18	0.30	14.48	≤30.00	2.29	16.77	≤36.00	PASS
11N20SI SO	Ant1	2412	13.46	0.32	13.78	≤30.00	2.29	16.07	≤36.00	PASS
11N20SI SO	Ant1	2437	13.64	0.32	13.96	≤30.00	2.29	16.25	≤36.00	PASS
11N20SI SO	Ant1	2462	13.46	0.32	13.78	≤30.00	2.29	16.07	≤36.00	PASS

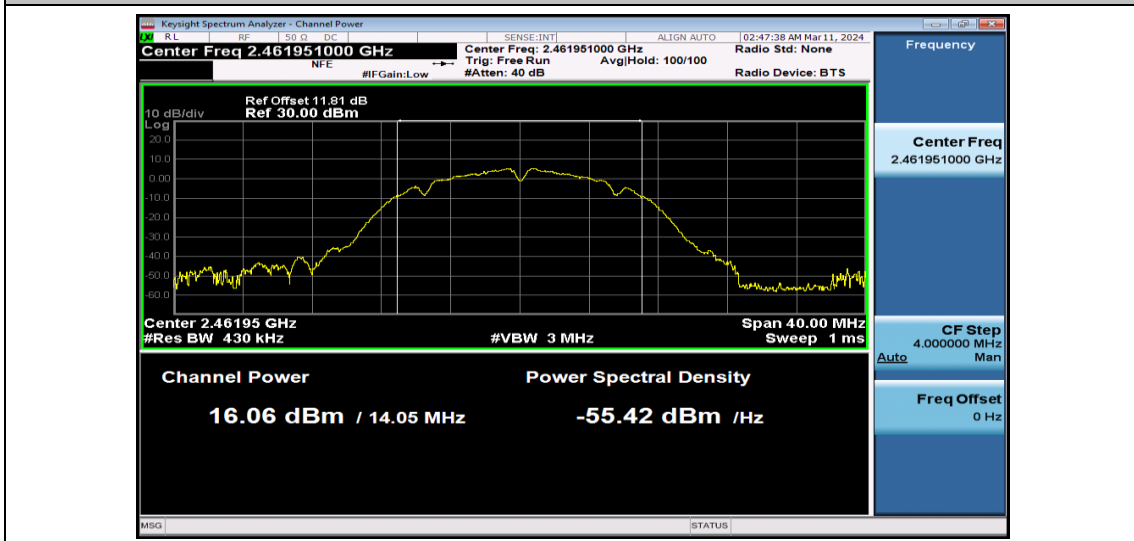
Test Graphs Average



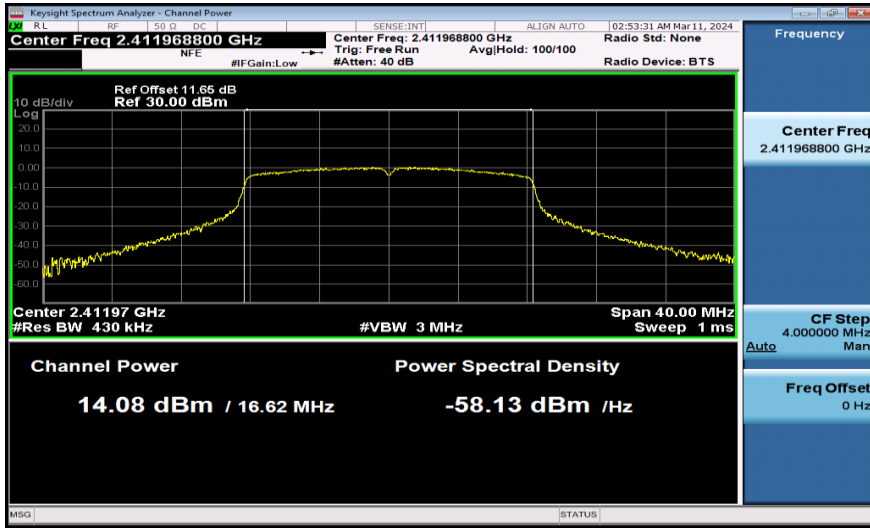
11B-Ant1-2412-PASS



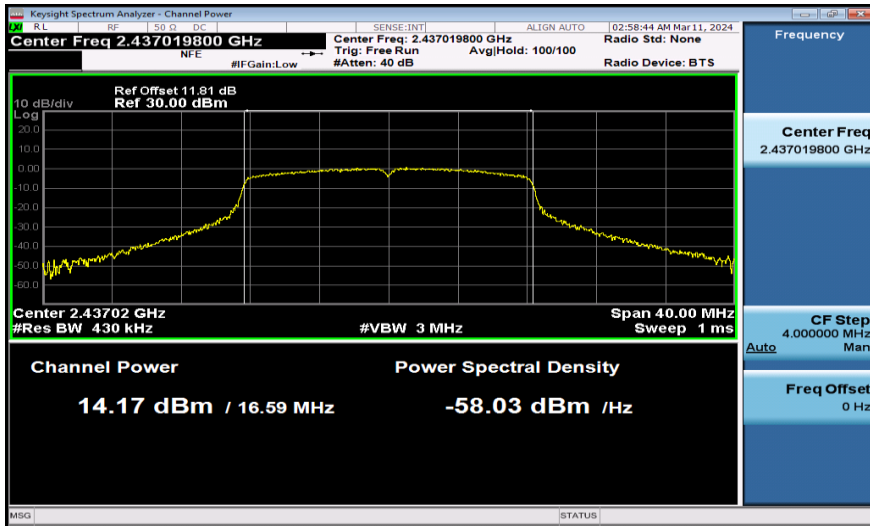
11B-Ant1-2437-PASS



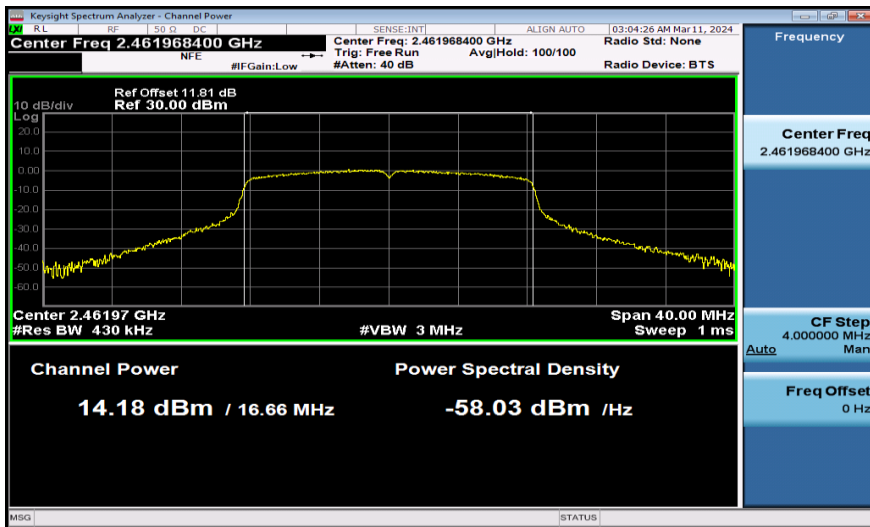
11B-Ant1-2462-PASS



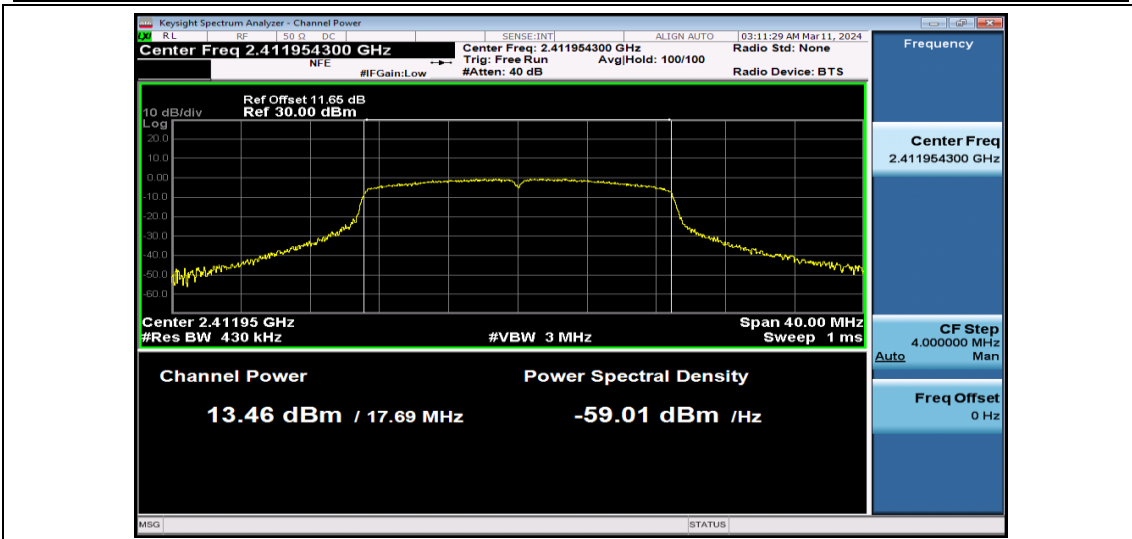
11G-Ant1-2412-PASS



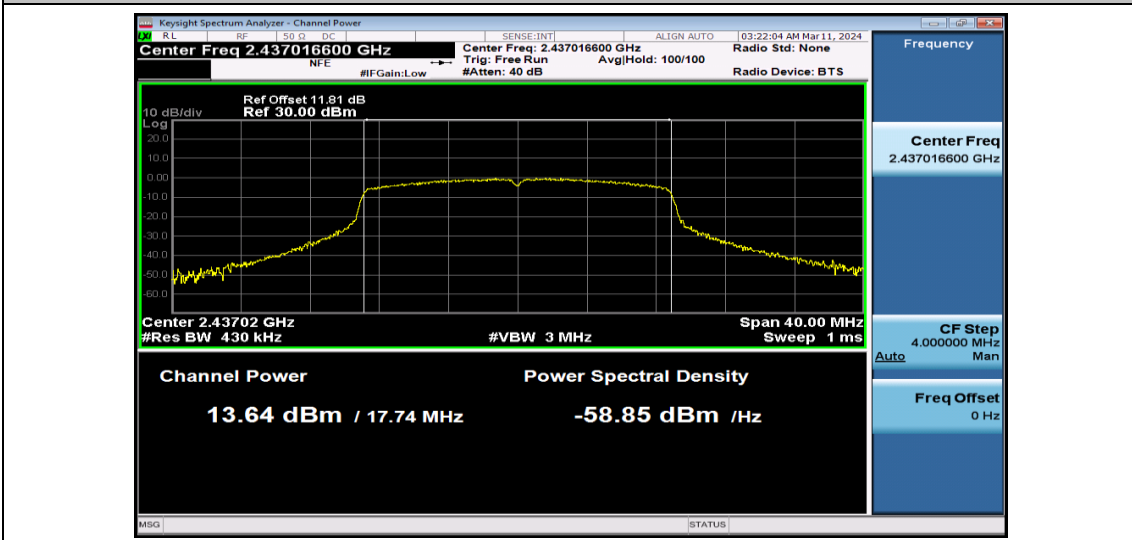
11G-Ant1-2437-PASS



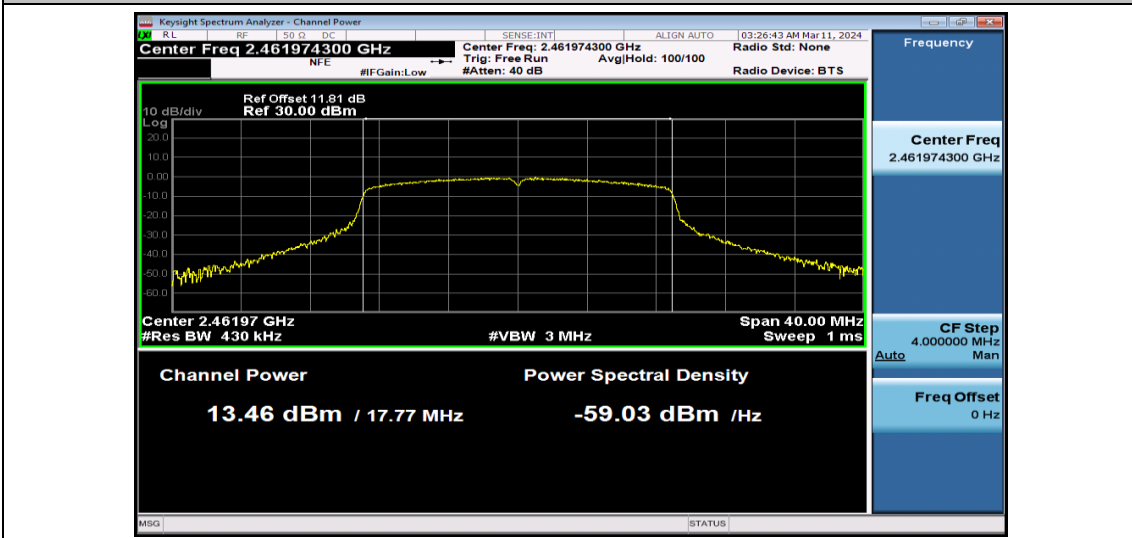
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

Appendix B: Maximum power spectral density**Test Result**

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.79	≤8.00	PASS
11B	Ant1	2437	-14.79	≤8.00	PASS
11B	Ant1	2462	-14.08	≤8.00	PASS
11G	Ant1	2412	-18.71	≤8.00	PASS
11G	Ant1	2437	-18.74	≤8.00	PASS
11G	Ant1	2462	-18.67	≤8.00	PASS
11N20SISO	Ant1	2412	-19.51	≤8.00	PASS
11N20SISO	Ant1	2437	-18.87	≤8.00	PASS
11N20SISO	Ant1	2462	-18.63	≤8.00	PASS

Test Graphs



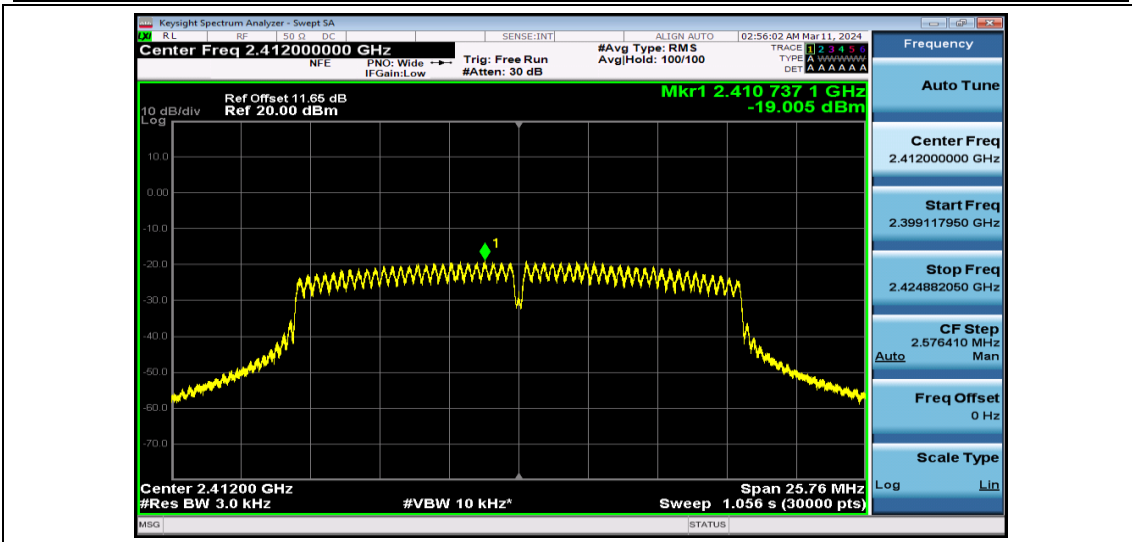
11B-Ant1-2412-PASS



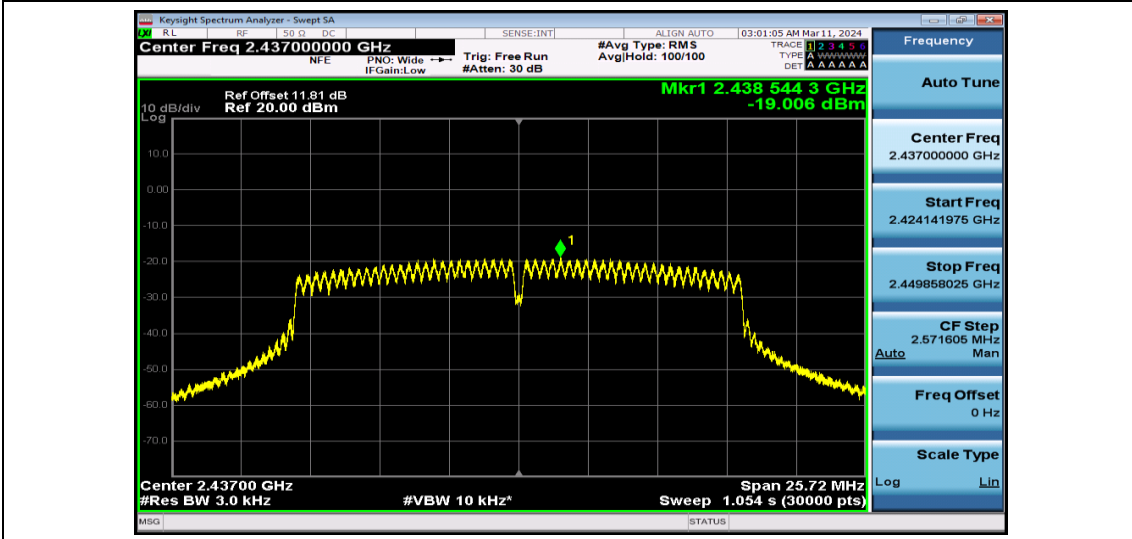
11B-Ant1-2437-PASS



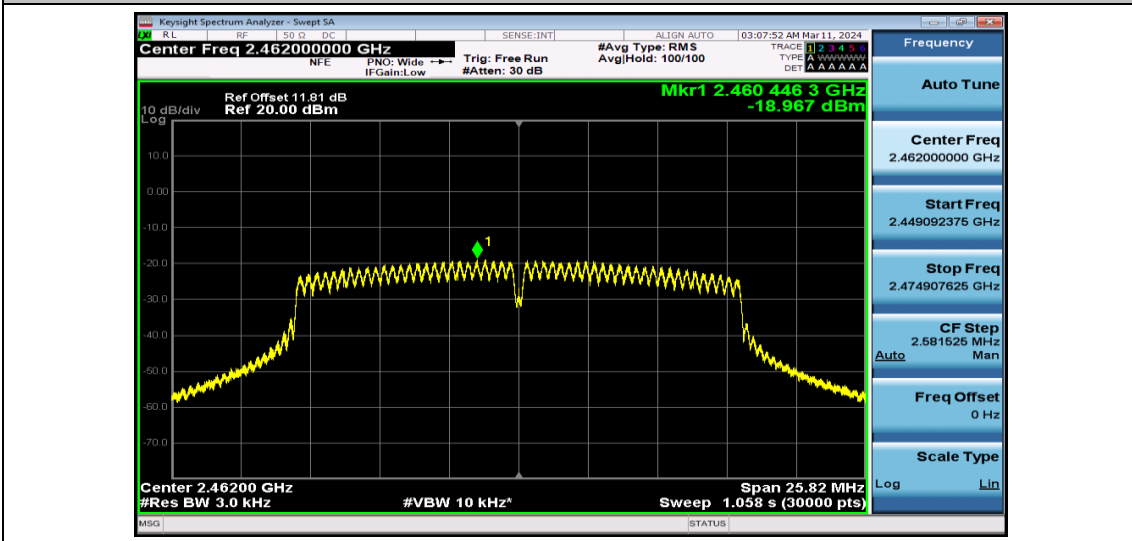
11B-Ant1-2462-PASS



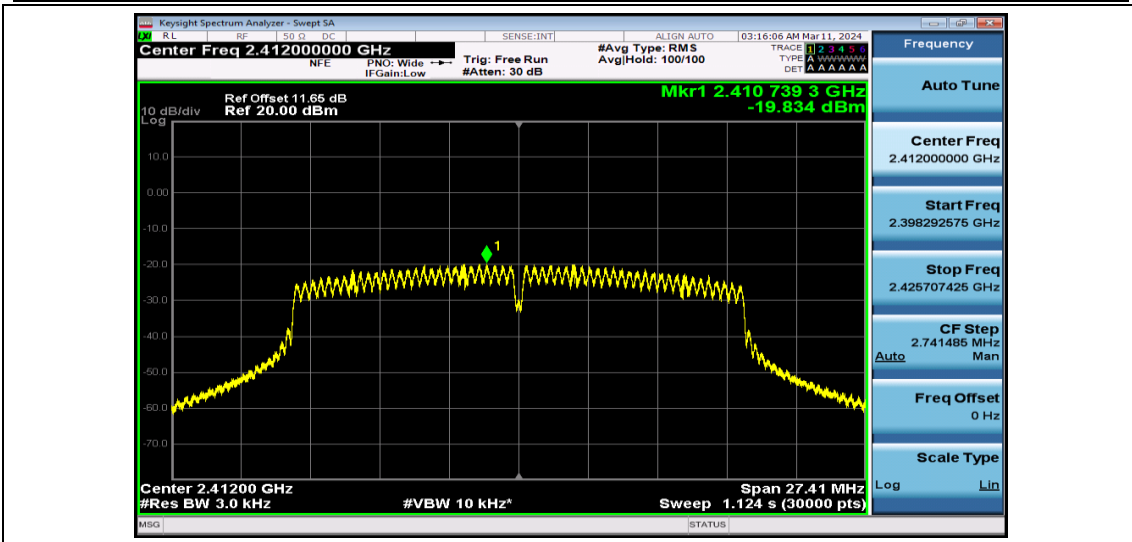
11G-Ant1-2412-PASS



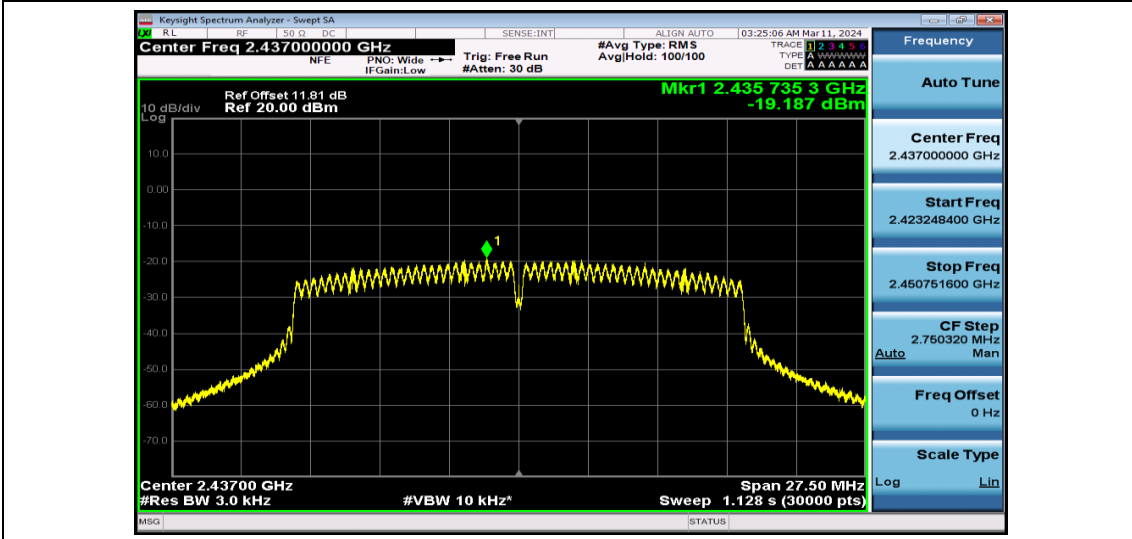
11G-Ant1-2437-PASS



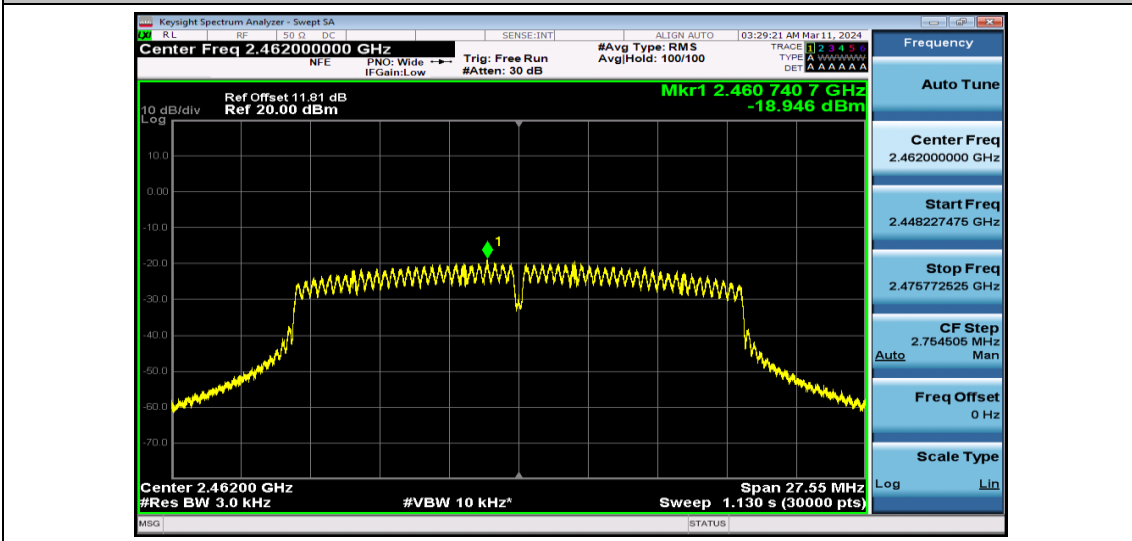
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



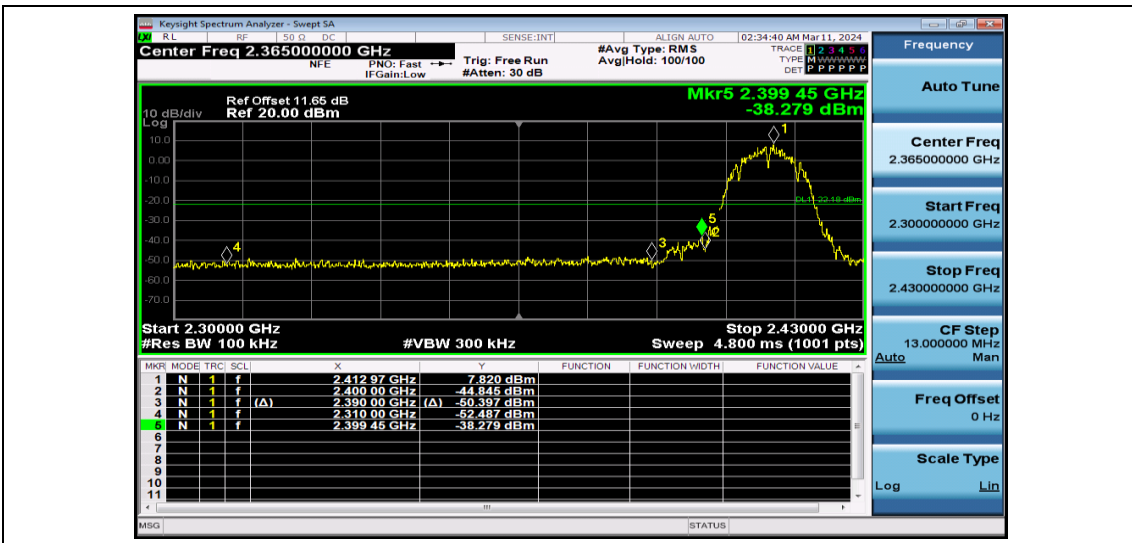
11N20SISO-Ant1-2462-PASS

Appendix B: Band edge measurements

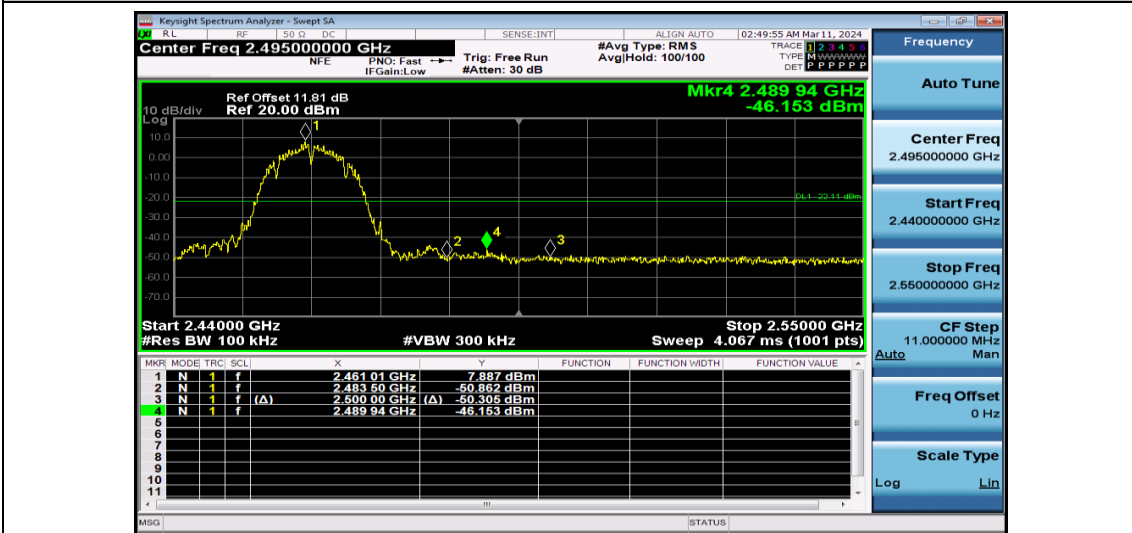
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.82	-38.28	≤-22.18	PASS
11B	Ant1	High	2462	7.89	-46.15	≤-22.11	PASS
11G	Ant1	Low	2412	2.58	-31.6	≤-27.42	PASS
11G	Ant1	High	2462	3.86	-42.92	≤-26.14	PASS
11N20SISO	Ant1	Low	2412	2.45	-29.22	≤-27.55	PASS
11N20SISO	Ant1	High	2462	2.56	-43.17	≤-27.44	PASS

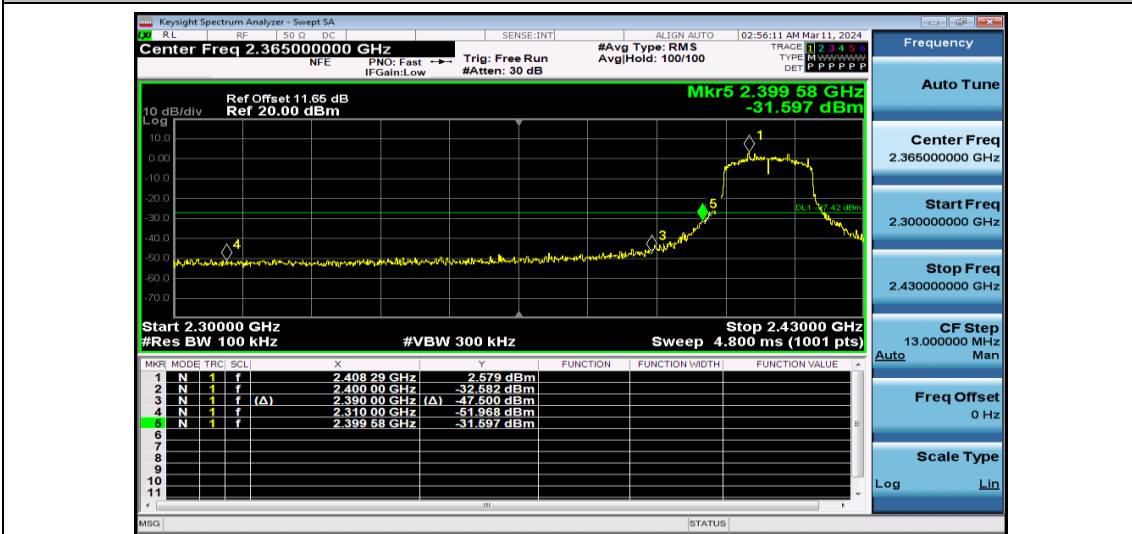
Test Graphs



11B-Ant1-2412-PASS



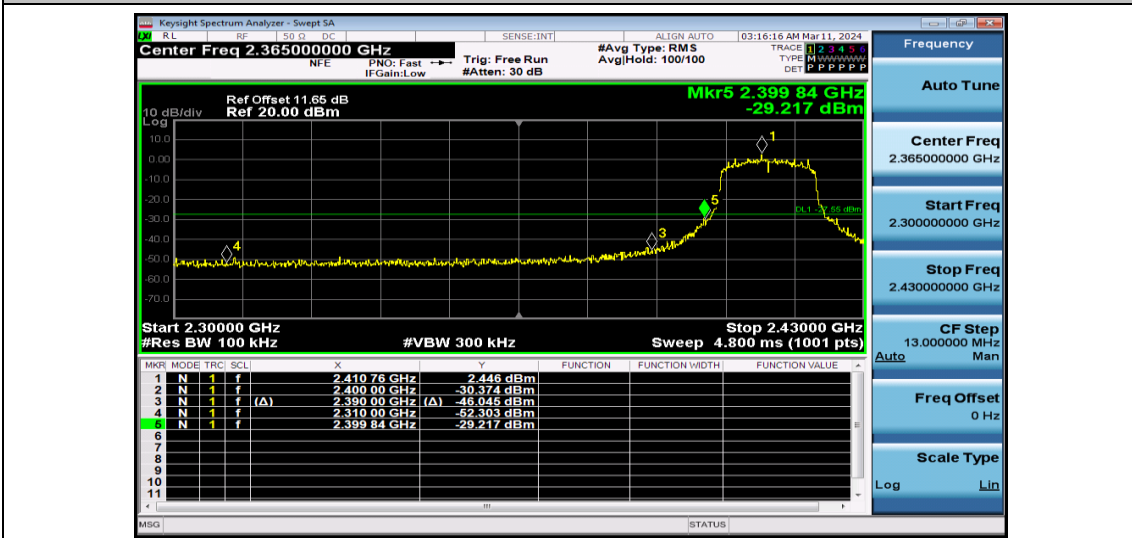
11B-Ant1-2462-PASS



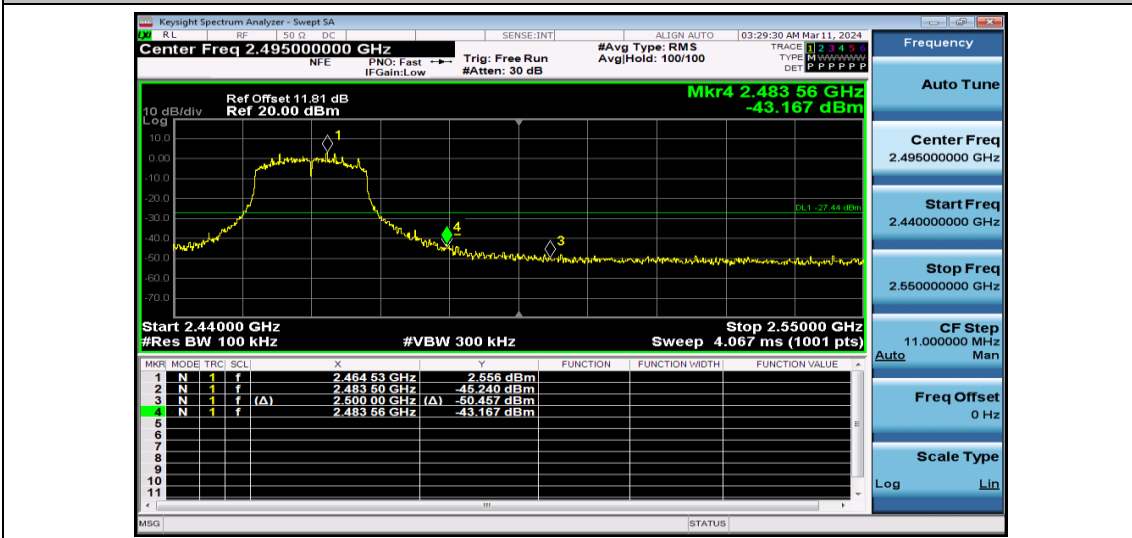
11G-Ant1-2412-PASS



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

Appendix G: Conducted Spurious Emission

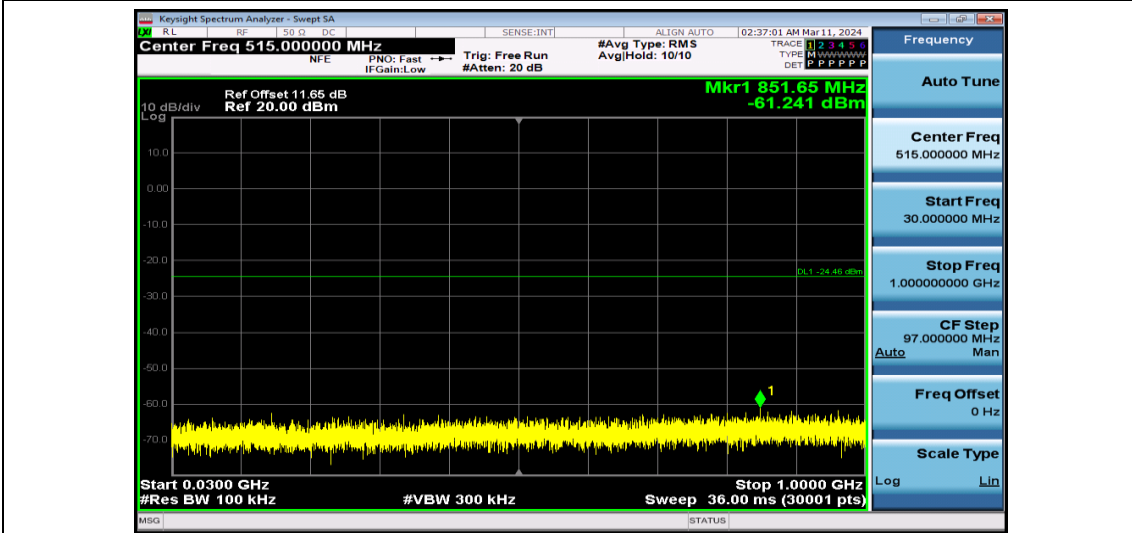
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.54	5.54	---	PASS
11B	Ant1	2412	30~1000	5.54	-61.24	≤-24.46	PASS
11B	Ant1	2412	1000~26500	5.54	-47.15	≤-24.46	PASS
11B	Ant1	2437	0~Reference	6.05	6.05	---	PASS
11B	Ant1	2437	30~1000	6.05	-60.9	≤-23.95	PASS
11B	Ant1	2437	1000~26500	6.05	-50.87	≤-23.95	PASS
11B	Ant1	2462	0~Reference	6.40	6.40	---	PASS
11B	Ant1	2462	30~1000	6.40	-61.64	≤-23.6	PASS
11B	Ant1	2462	1000~26500	6.40	-47.93	≤-23.6	PASS
11G	Ant1	2412	0~Reference	3.05	3.05	---	PASS
11G	Ant1	2412	30~1000	3.05	-61.06	≤-26.95	PASS
11G	Ant1	2412	1000~26500	3.05	-52.76	≤-26.95	PASS
11G	Ant1	2437	0~Reference	2.69	2.69	---	PASS
11G	Ant1	2437	30~1000	2.69	-61.99	≤-27.31	PASS
11G	Ant1	2437	1000~26500	2.69	-51.57	≤-27.31	PASS
11G	Ant1	2462	0~Reference	1.93	1.93	---	PASS
11G	Ant1	2462	30~1000	1.93	-60.51	≤-28.07	PASS
11G	Ant1	2462	1000~26500	1.93	-53.08	≤-28.07	PASS
11N20SISO	Ant1	2412	0~Reference	1.65	1.65	---	PASS
11N20SISO	Ant1	2412	30~1000	1.65	-61.81	≤-28.35	PASS
11N20SISO	Ant1	2412	1000~26500	1.65	-52.69	≤-28.35	PASS
11N20SISO	Ant1	2437	0~Reference	1.34	1.34	---	PASS
11N20SISO	Ant1	2437	30~1000	1.34	-60.61	≤-28.66	PASS
11N20SISO	Ant1	2437	1000~26500	1.34	-52.46	≤-28.66	PASS
11N20SISO	Ant1	2462	0~Reference	-0.24	-0.24	---	PASS
11N20SISO	Ant1	2462	30~1000	-0.24	-60.75	≤-30.24	PASS
11N20SISO	Ant1	2462	1000~26500	-0.24	-52.23	≤-30.24	PASS

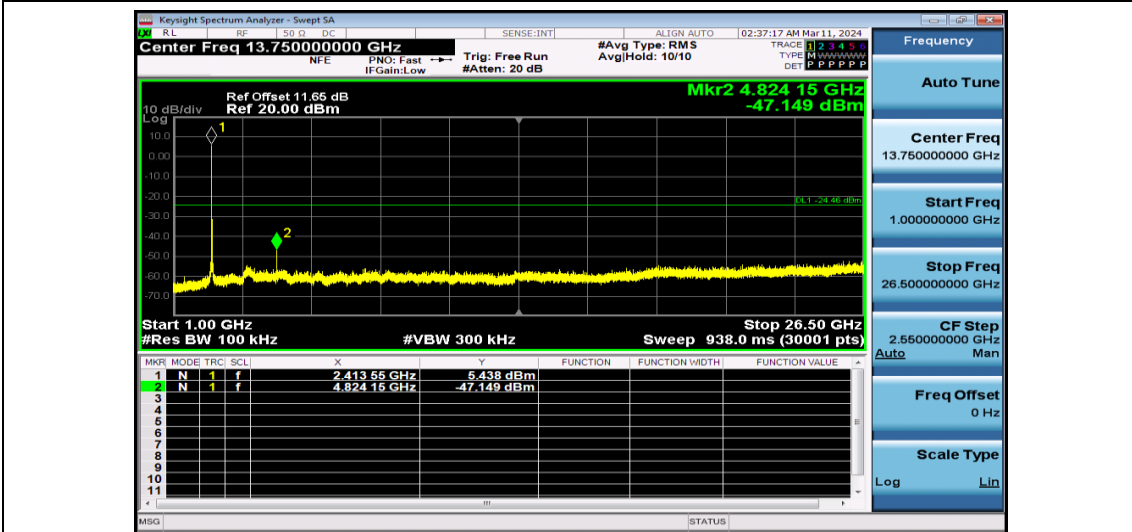
Test Graphs



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



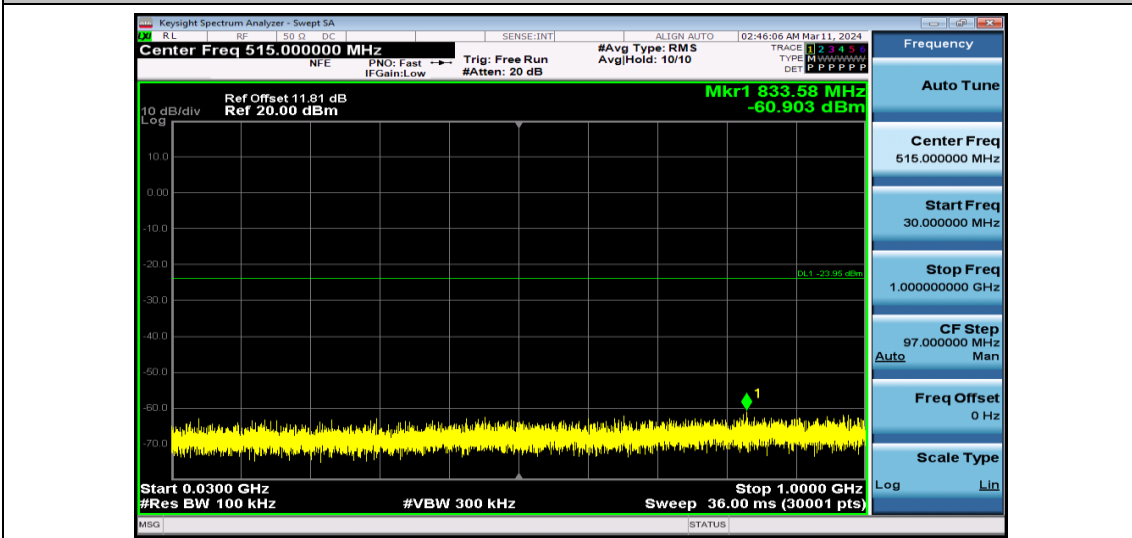
11B-Ant1-2412-30~1000-PASS



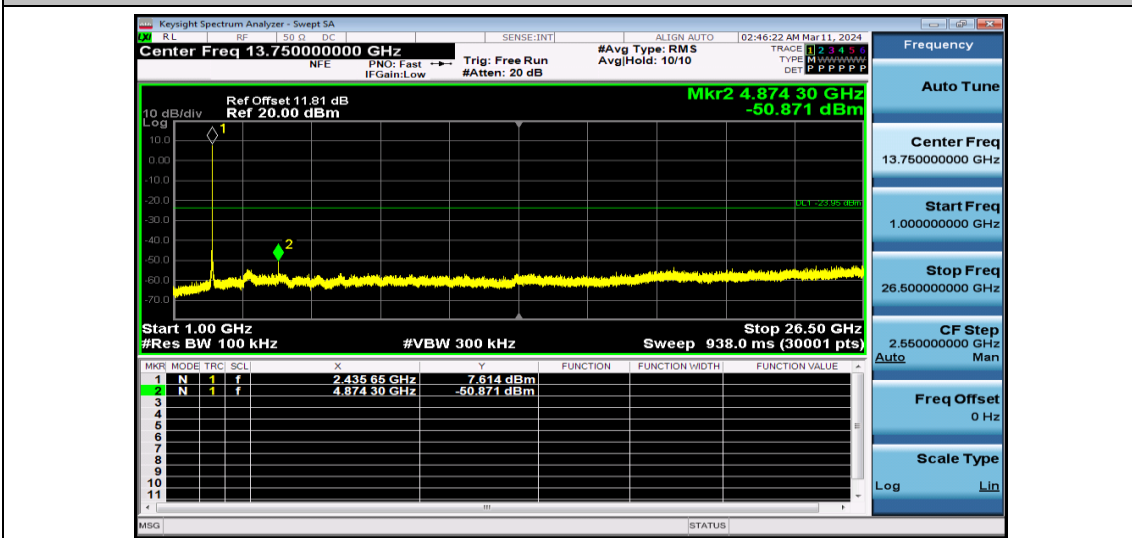
11B-Ant1-2412-1000~26500-PASS



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



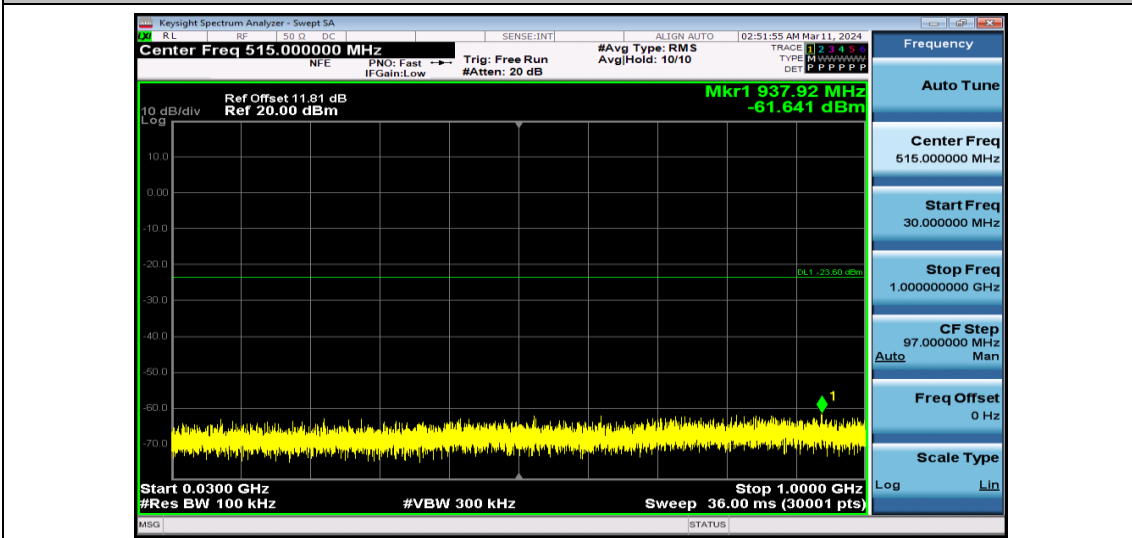
11B-Ant1-2437-30~1000-PASS



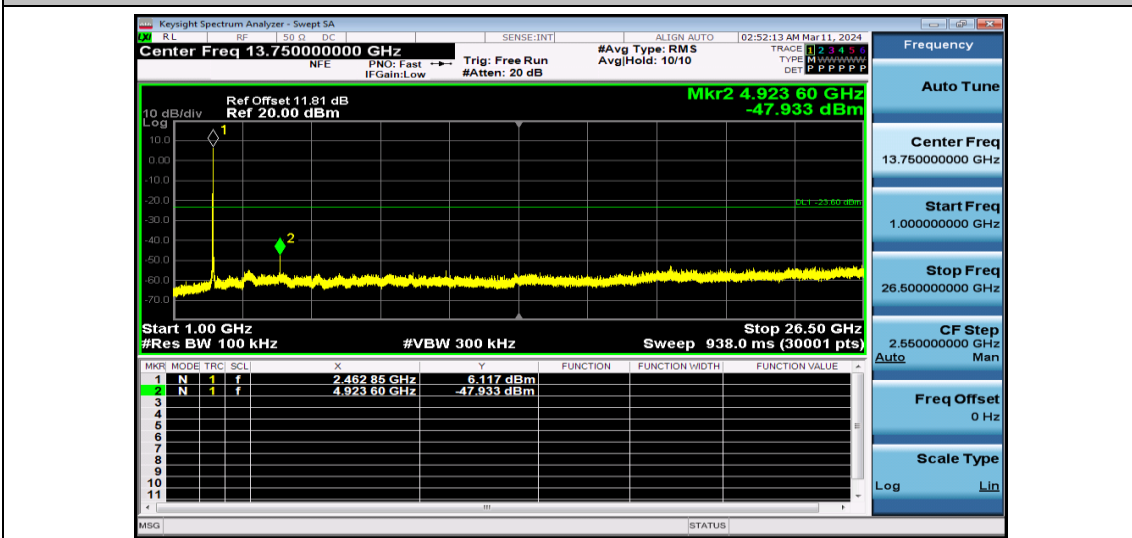
11B-Ant1-2437-1000~26500-PASS



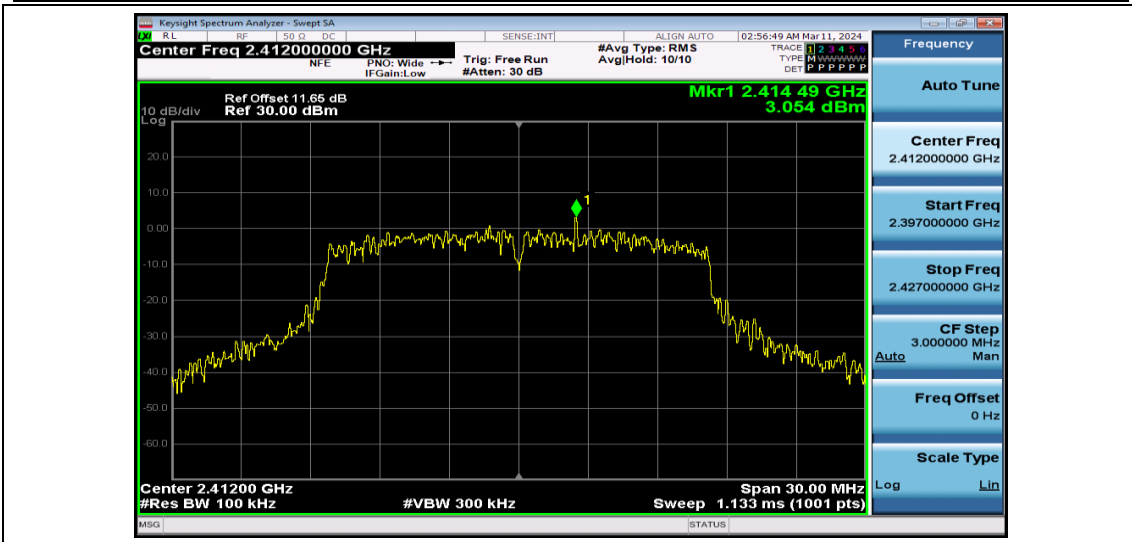
11B-Ant1-2462-0~Reference-PASS



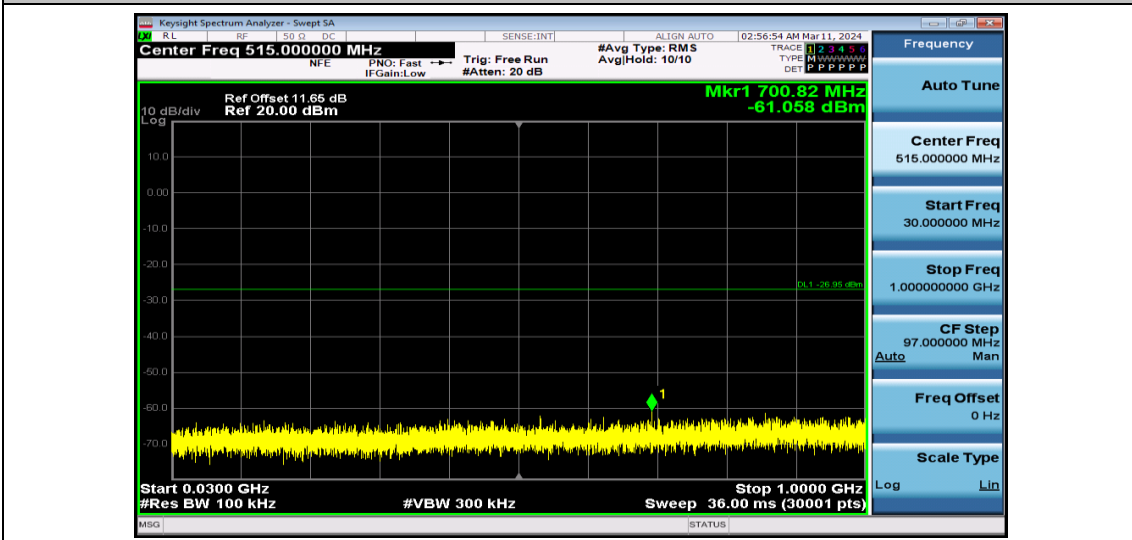
11B-Ant1-2462-30~1000-PASS



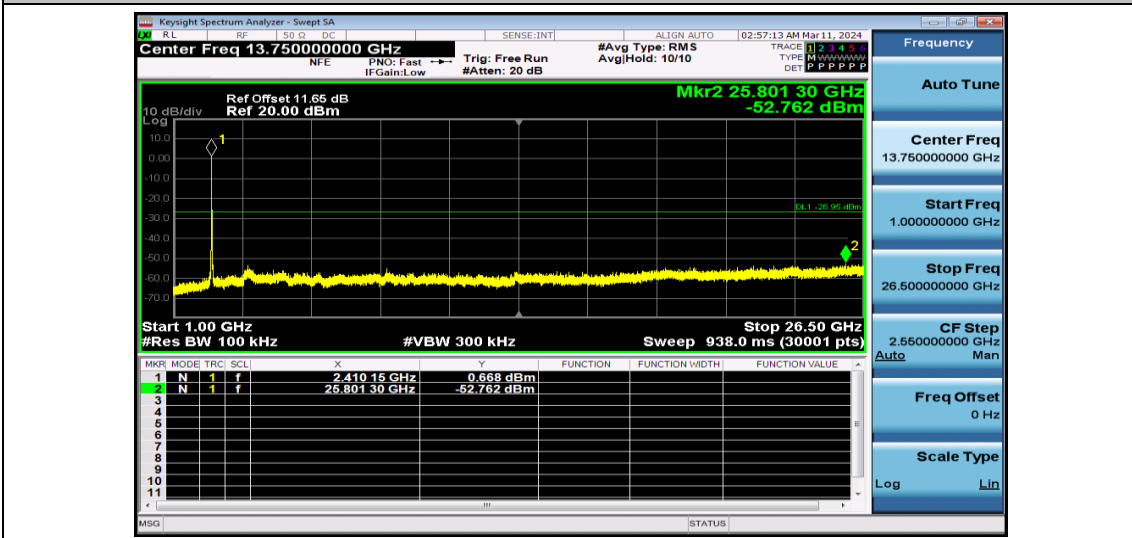
11B-Ant1-2462-1000~26500-PASS



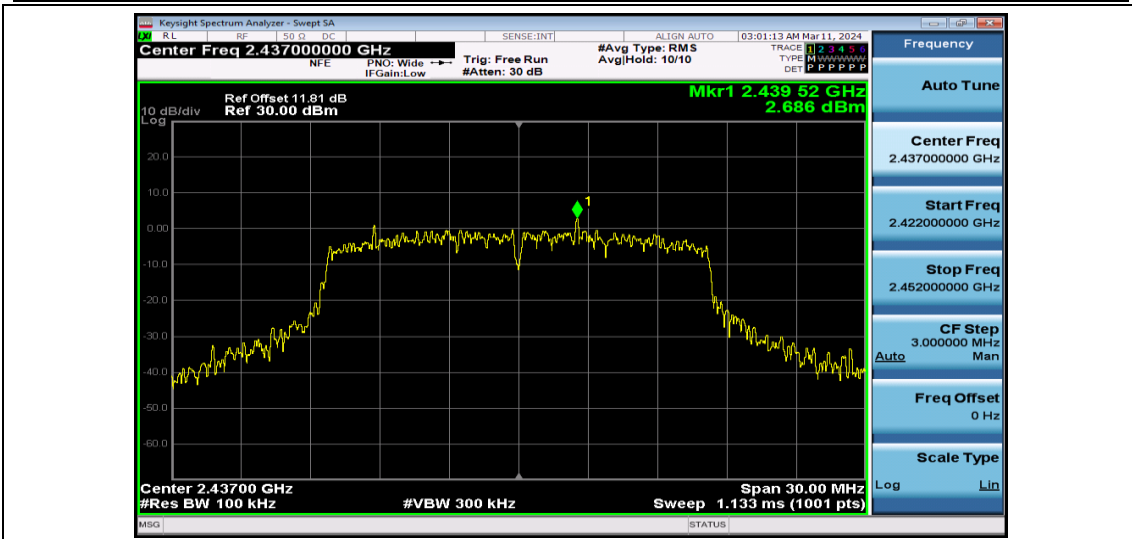
11G-Ant1-2412-0~Reference-PASS



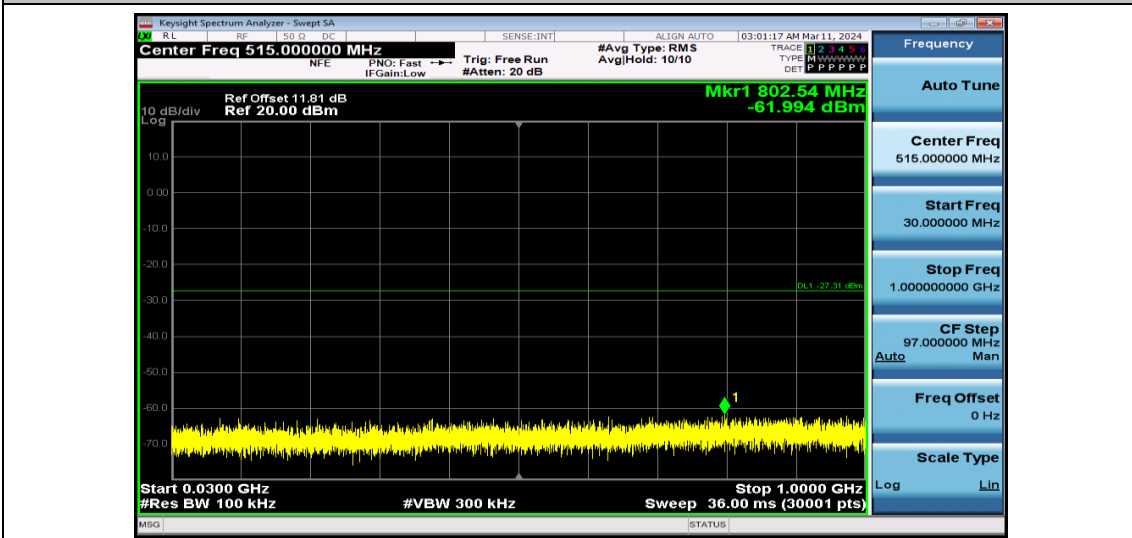
11G-Ant1-2412-30~1000-PASS



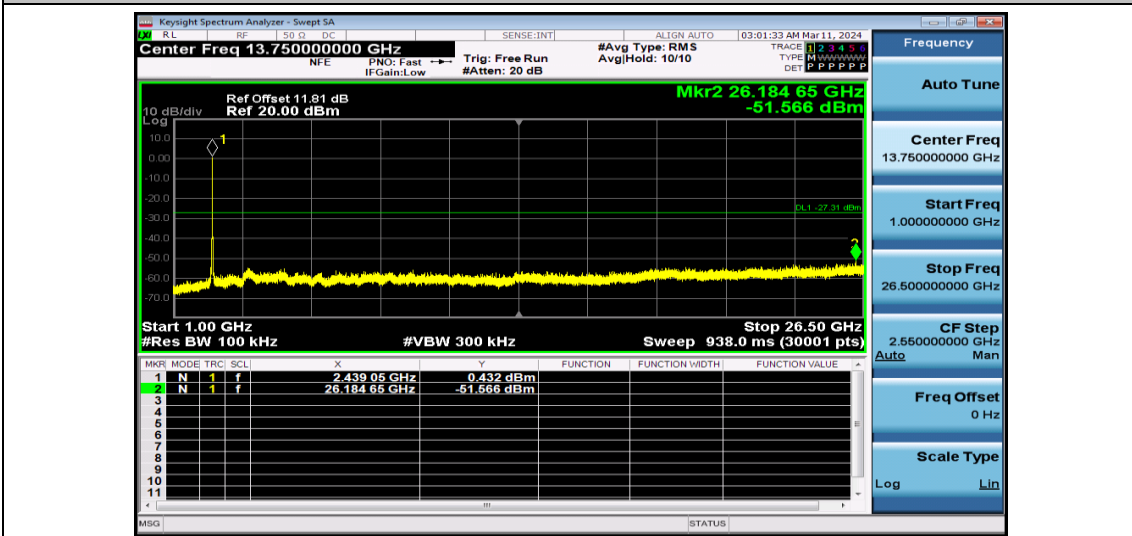
11G-Ant1-2412-1000~26500-PASS



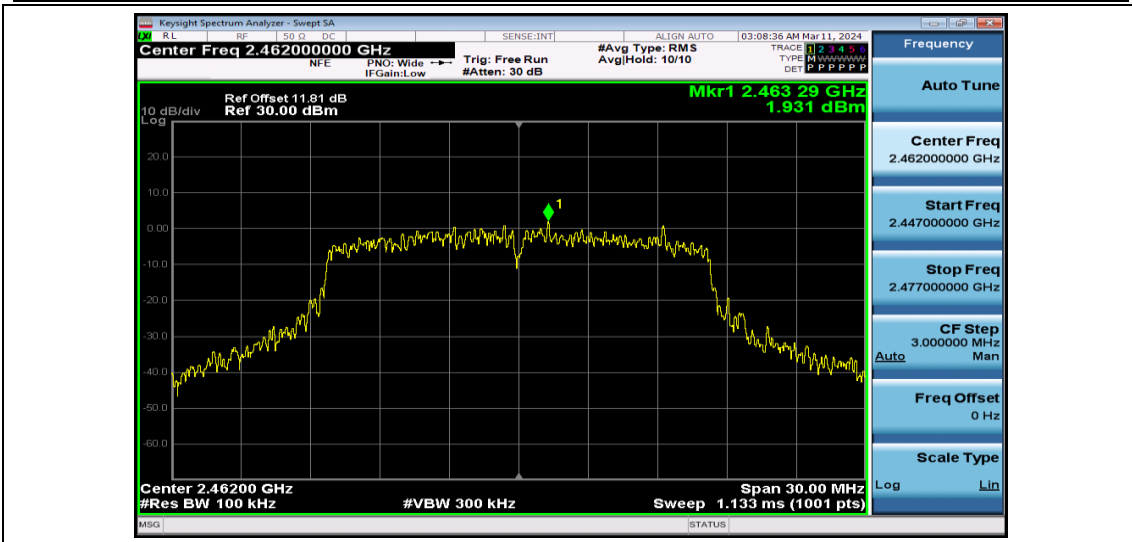
11G-Ant1-2437-0~Reference-PASS



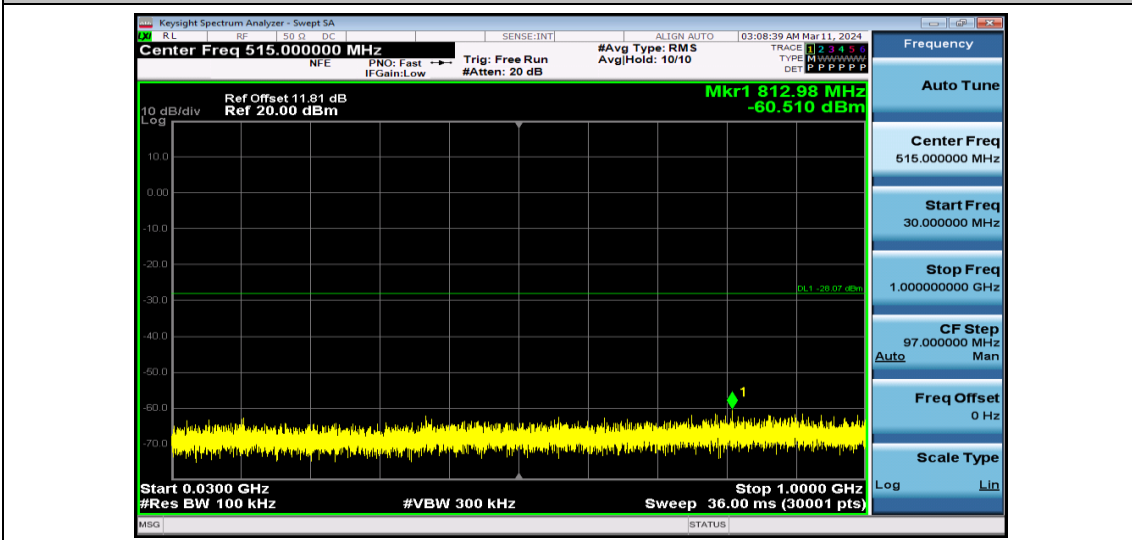
11G-Ant1-2437-30~1000-PASS



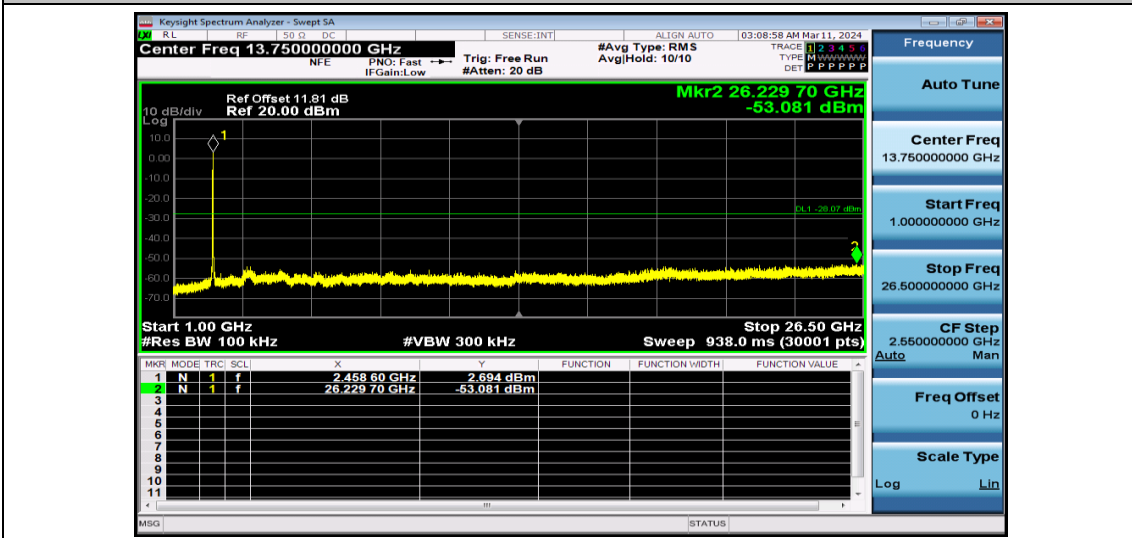
11G-Ant1-2437-1000~26500-PASS



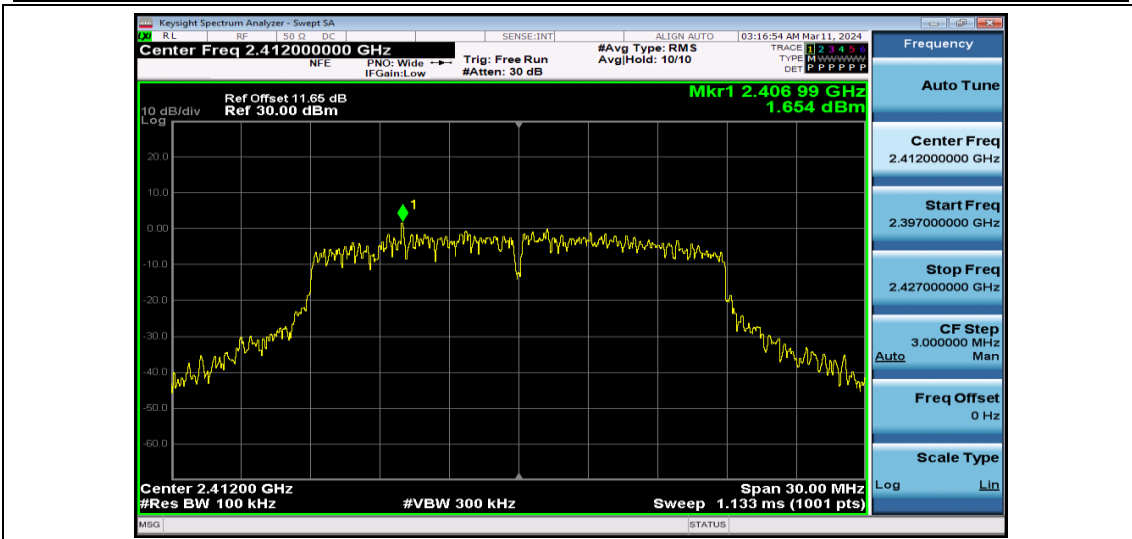
11G-Ant1-2462-0~Reference-PASS



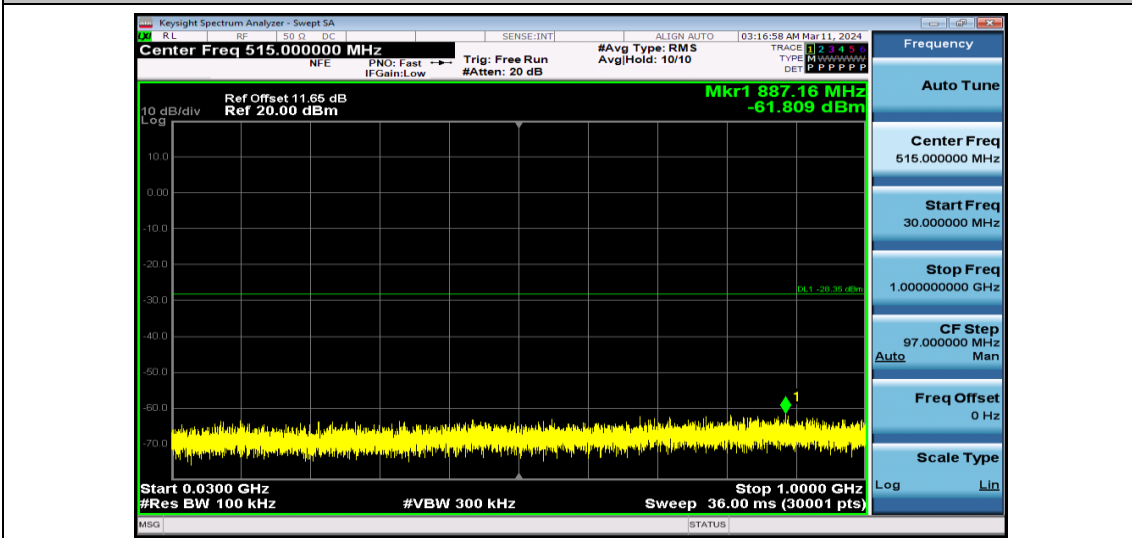
11G-Ant1-2462-30~1000-PASS



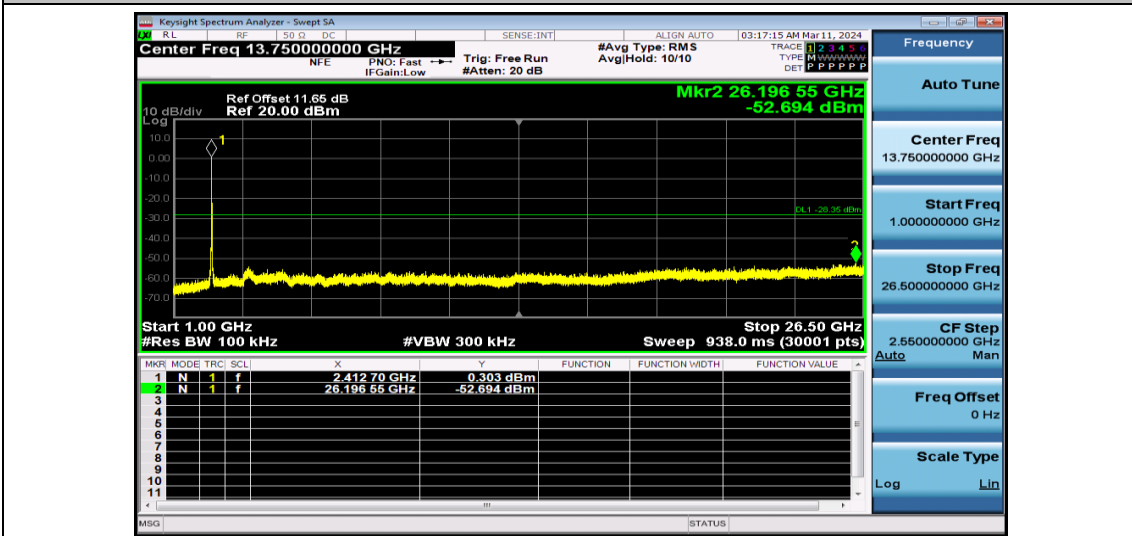
11G-Ant1-2462-1000~26500-PASS



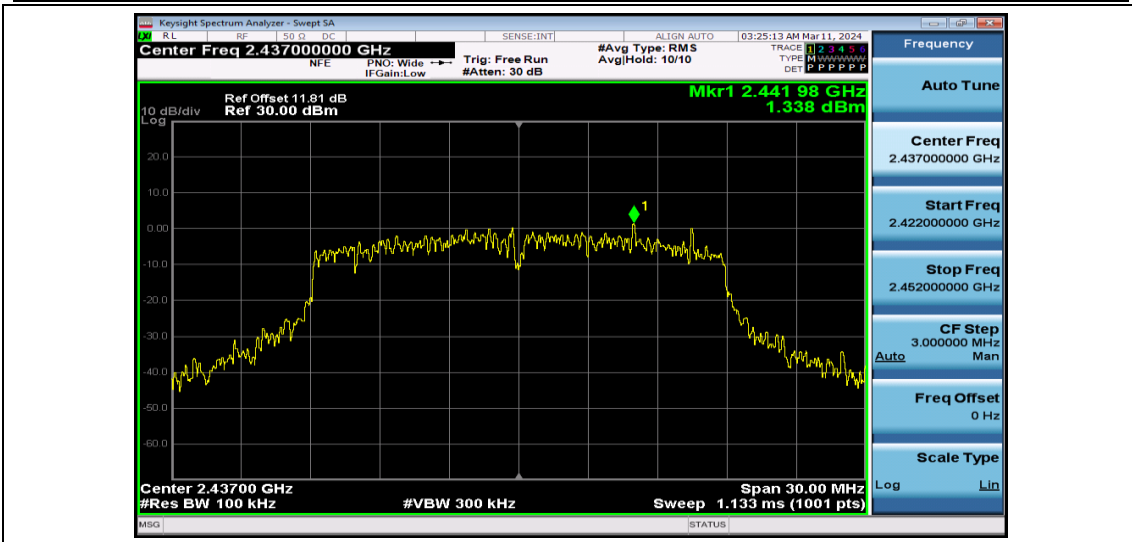
11N20SISO-Ant1-2412-0~Reference-PASS



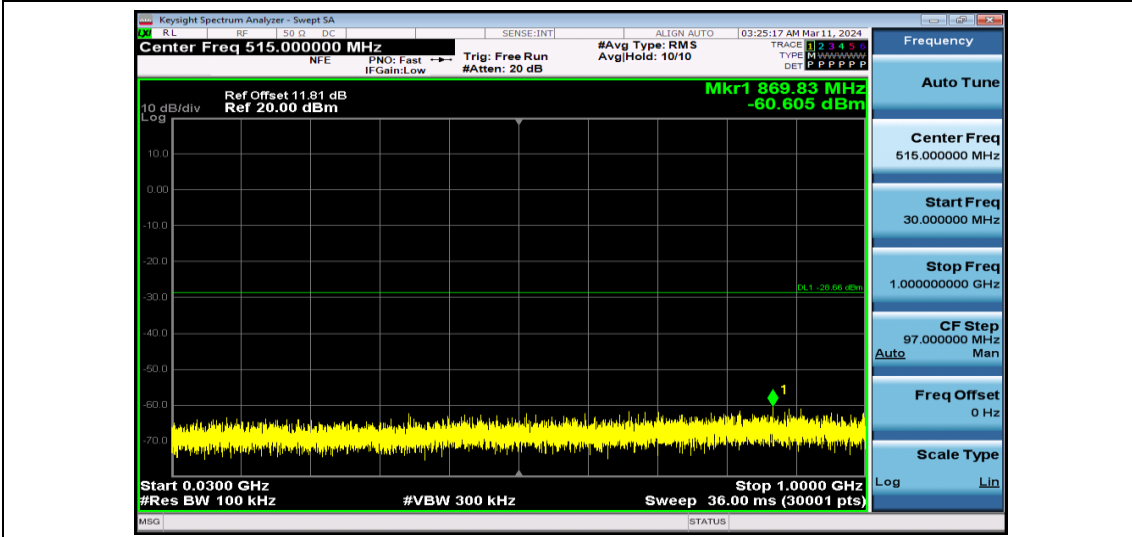
11N20SISO-Ant1-2412-30~1000-PASS



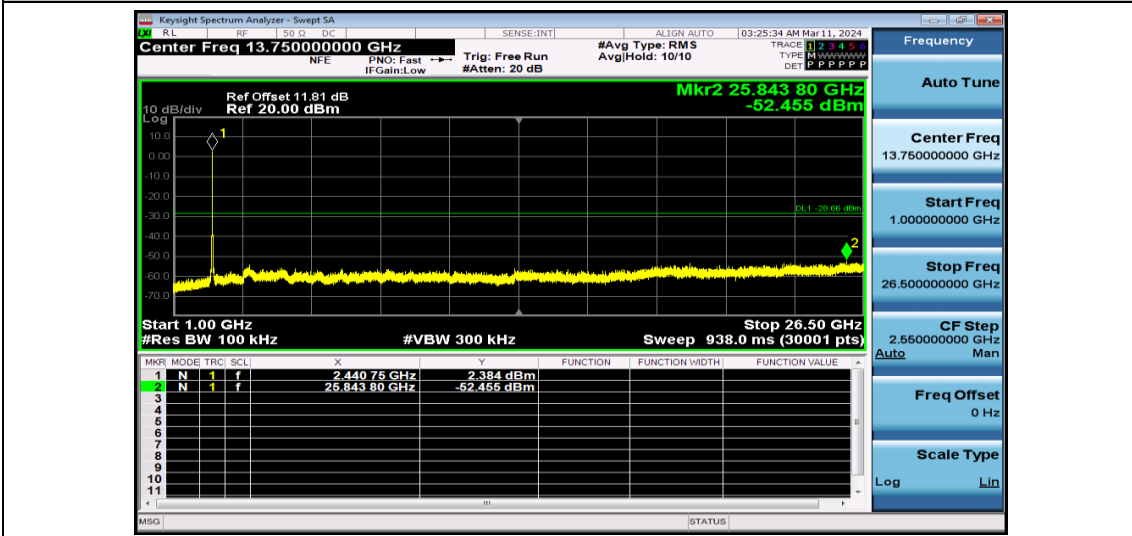
11N20SISO-Ant1-2412-1000~26500-PASS



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



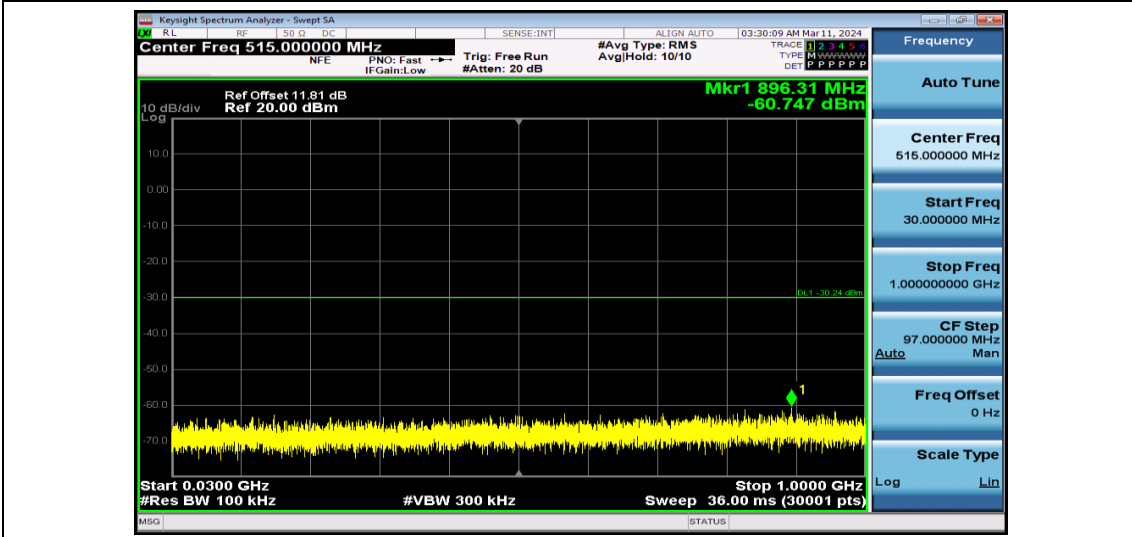
11N20SISO-Ant1-2437-30~1000-PASS



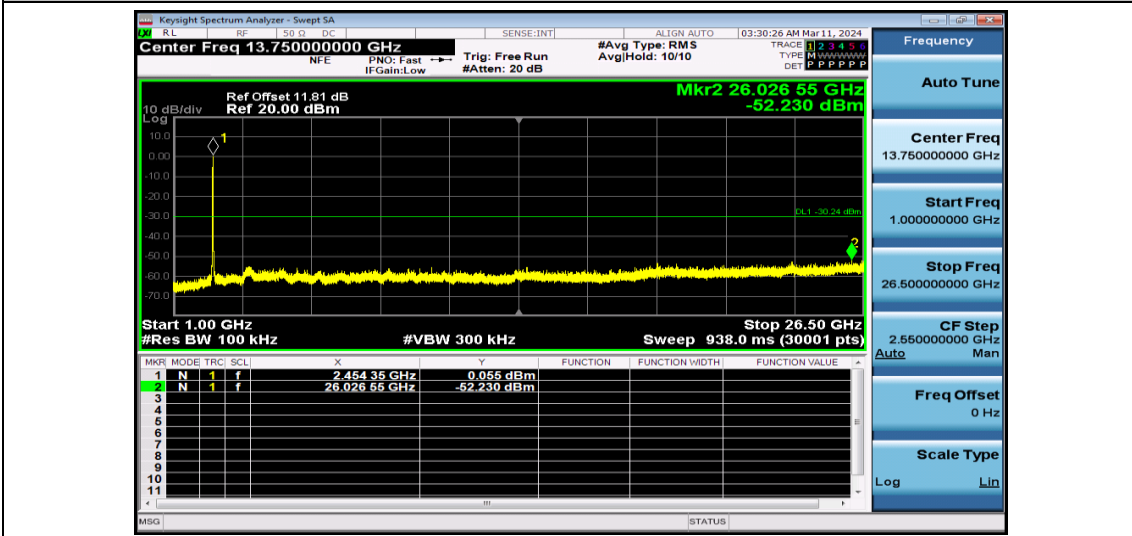
11N20SISO-Ant1-2437-1000~26500-PASS



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



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



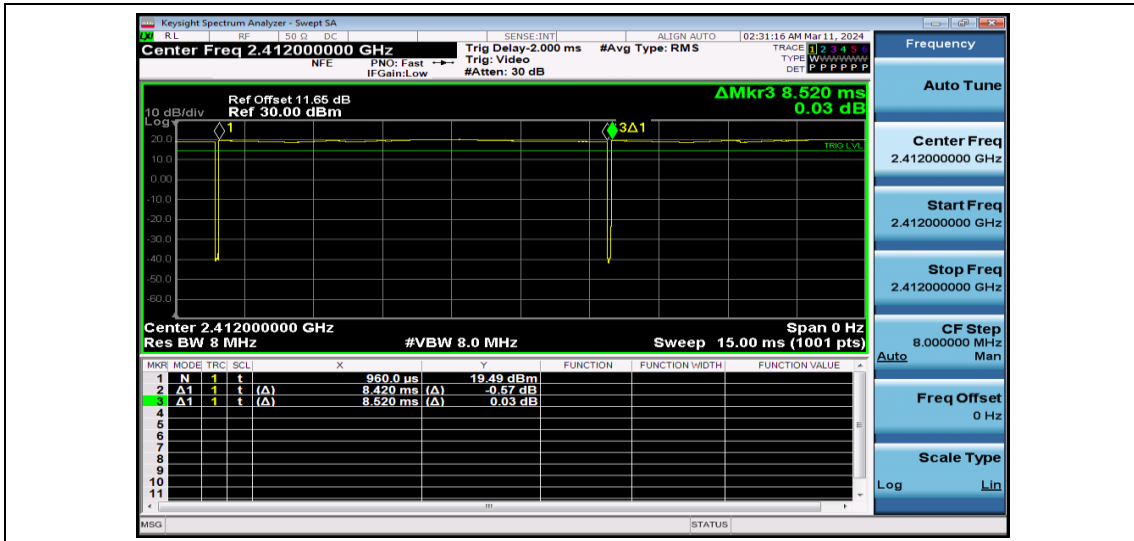
11N20SISO-Ant1-2462-1000~26500-PASS

Appendix B: Duty Cycle

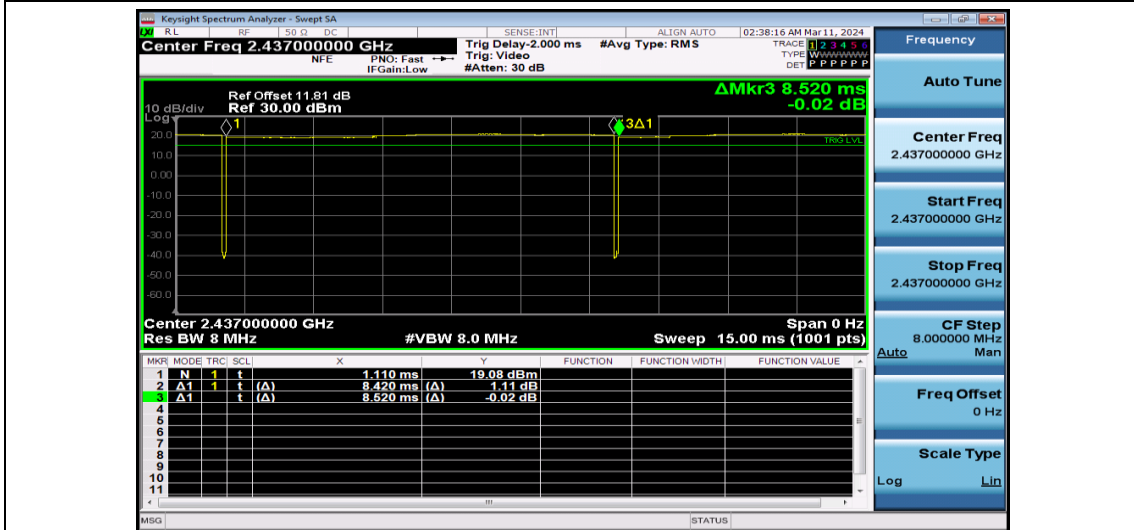
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.42	8.52	98.83	0.05
11B	Ant1	2437	8.42	8.52	98.83	0.05
11B	Ant1	2462	8.41	8.51	98.82	0.05
11G	Ant1	2412	1.40	1.50	93.33	0.30
11G	Ant1	2437	1.40	1.49	93.96	0.27
11G	Ant1	2462	1.39	1.49	93.29	0.30
11N20SISO	Ant1	2412	1.31	1.41	92.91	0.32
11N20SISO	Ant1	2437	1.31	1.41	92.91	0.32
11N20SISO	Ant1	2462	1.31	1.41	92.91	0.32

Test Graphs



NTNV-11B-Ant1-2412



NTNV-11B-Ant1-2437

