

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	9.520	2407.480	2417.000	0.5	PASS
11B	Ant1	2437	9.080	2432.440	2441.520	0.5	PASS
11B	Ant1	2462	9.560	2456.960	2466.520	0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	0.5	PASS
11G	Ant1	2437	16.320	2428.840	2445.160	0.5	PASS
11G	Ant1	2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.840	2420.760	0.5	PASS
11N20SISO	Ant1	2437	17.040	2428.720	2445.760	0.5	PASS
11N20SISO	Ant1	2462	17.520	2453.240	2470.760	0.5	PASS
11N40SISO	Ant1	2422	34.080	2405.520	2439.600	0.5	PASS
11N40SISO	Ant1	2437	35.120	2419.400	2454.520	0.5	PASS
11N40SISO	Ant1	2452	35.120	2434.400	2469.520	0.5	PASS

Test Graphs



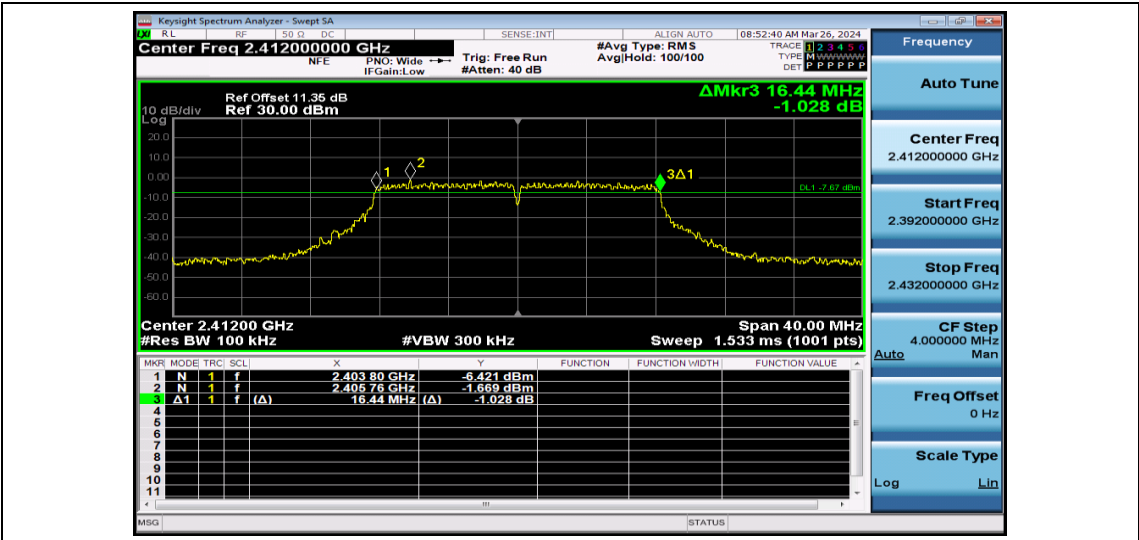
11B-Ant1-2412-PASS



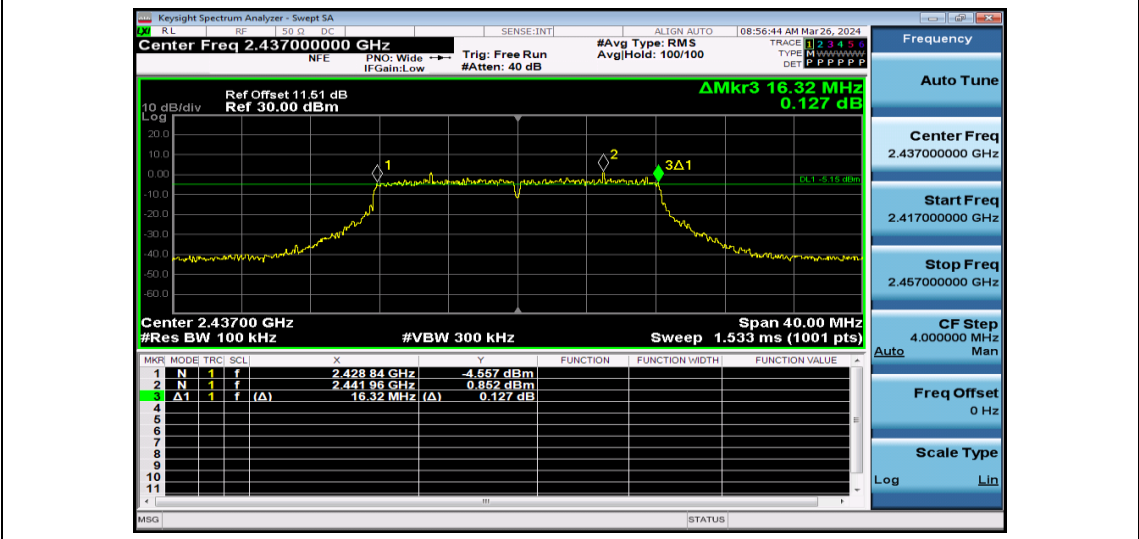
11B-Ant1-2437-PASS



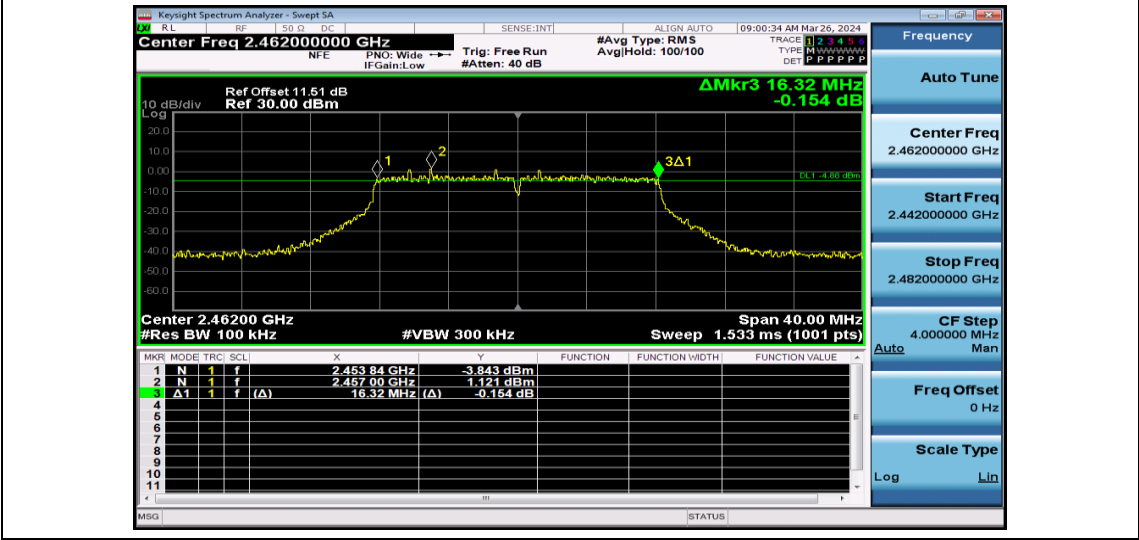
11B-Ant1-2462-PASS



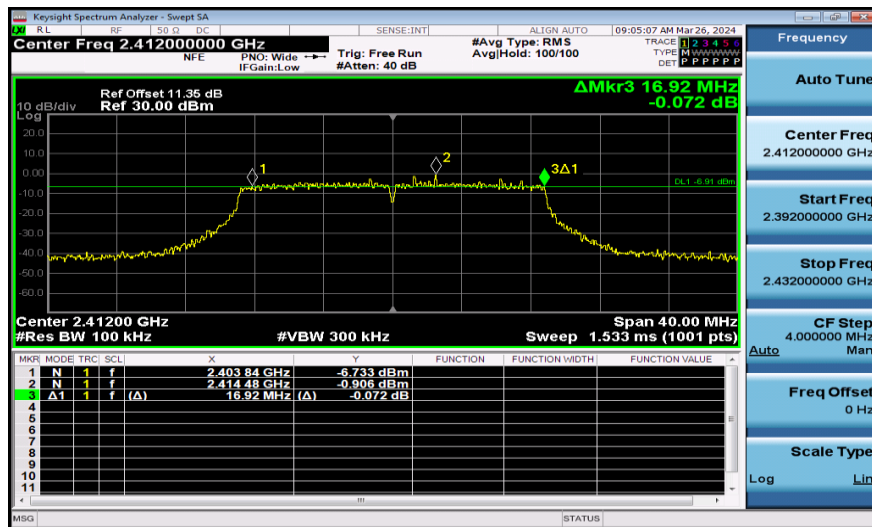
11G-Ant1-2412-PASS



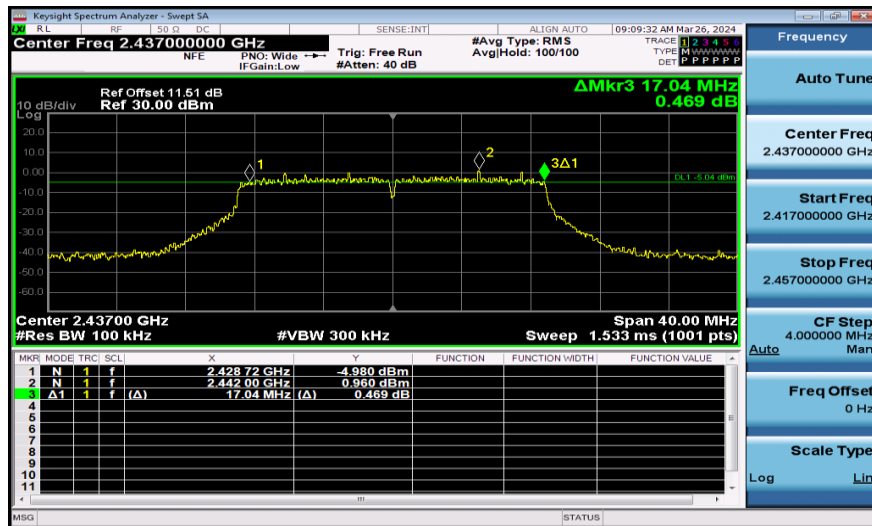
11G-Ant1-2437-PASS



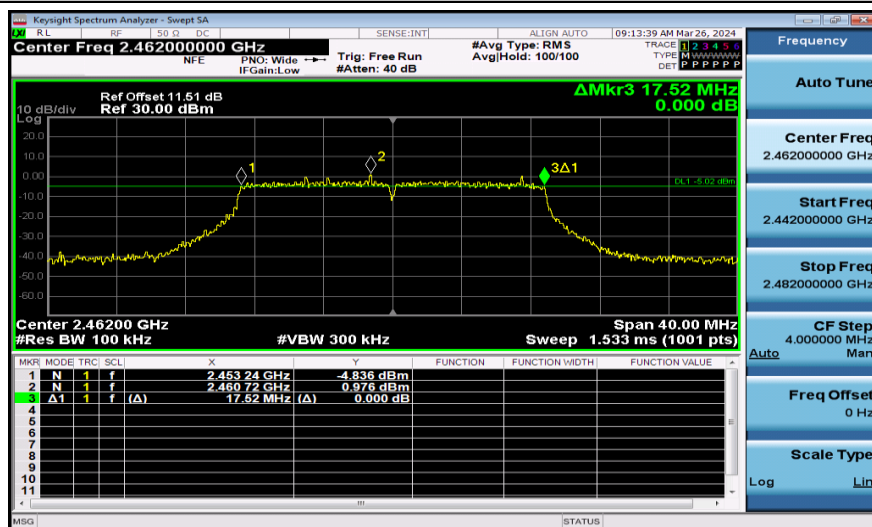
11G-Ant1-2462-PASS



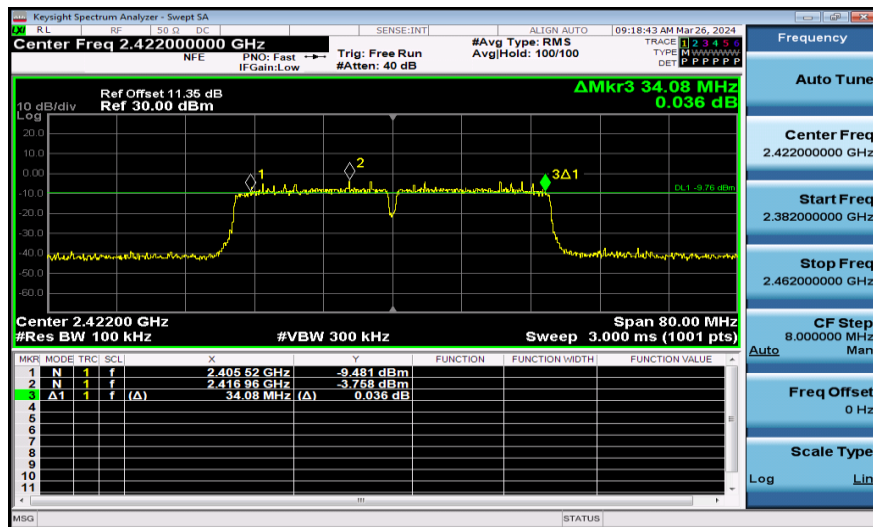
11N20SISO-Ant1-2412-PASS



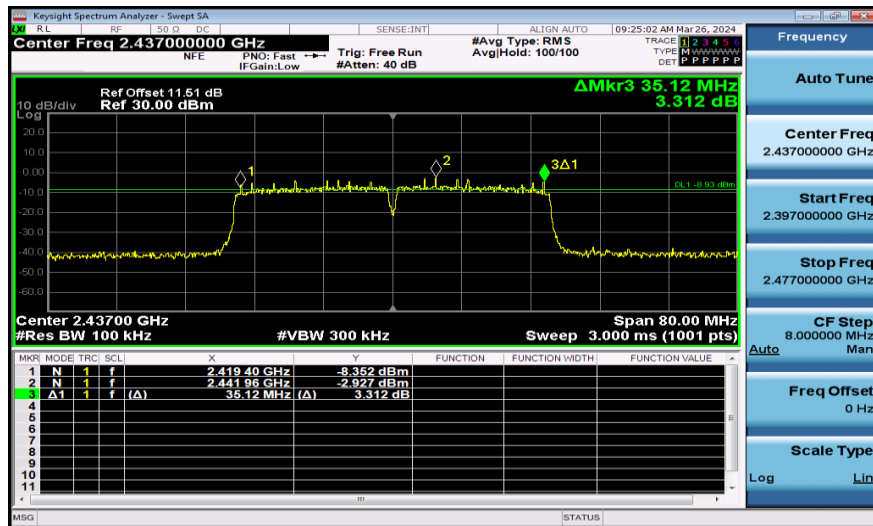
11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



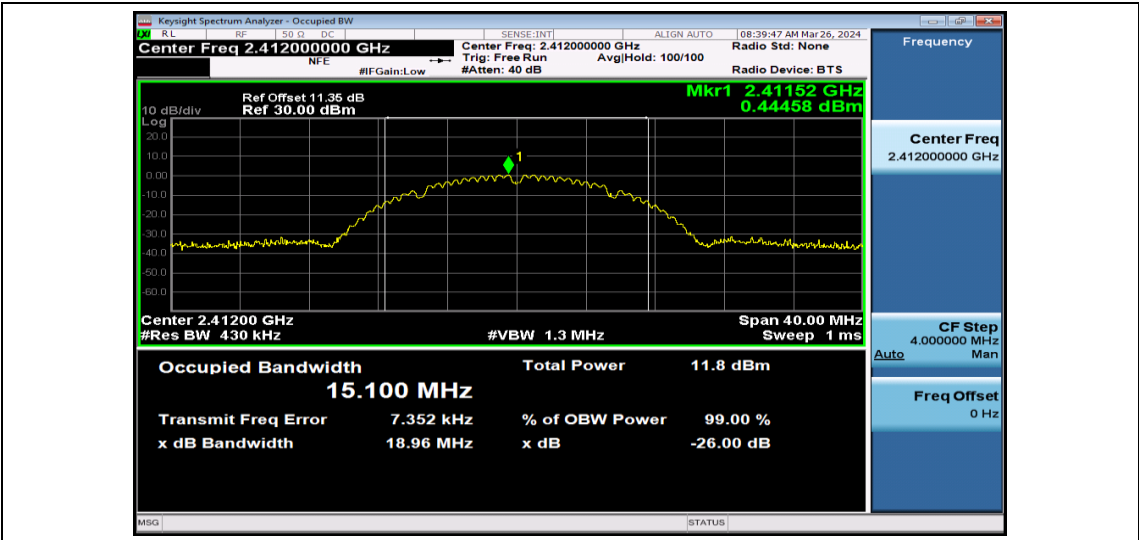
11N40SISO-Ant1-2452-PASS

Appendix B: Occupied Channel Bandwidth

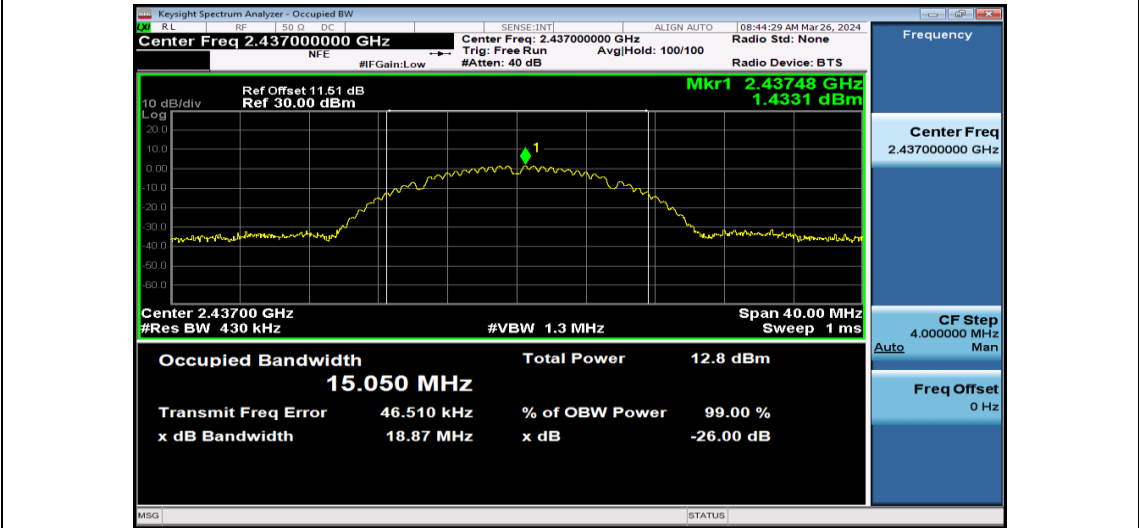
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.100	2404.4574	2419.5574	---	---
11B	Ant1	2437	15.050	2429.5215	2444.5715	---	---
11B	Ant1	2462	15.044	2454.4717	2469.5157	---	---
11G	Ant1	2412	17.218	2403.3331	2420.5511	---	---
11G	Ant1	2437	17.082	2428.5105	2445.5925	---	---
11G	Ant1	2462	17.094	2453.4550	2470.5490	---	---
11N20SISO	Ant1	2412	18.115	2402.9840	2421.0990	---	---
11N20SISO	Ant1	2437	18.159	2427.9530	2446.1120	---	---
11N20SISO	Ant1	2462	18.071	2452.8953	2470.9663	---	---
11N40SISO	Ant1	2422	35.958	2404.0405	2439.9985	---	---
11N40SISO	Ant1	2437	35.876	2419.0749	2454.9509	---	---
11N40SISO	Ant1	2452	35.987	2433.9996	2469.9866	---	---

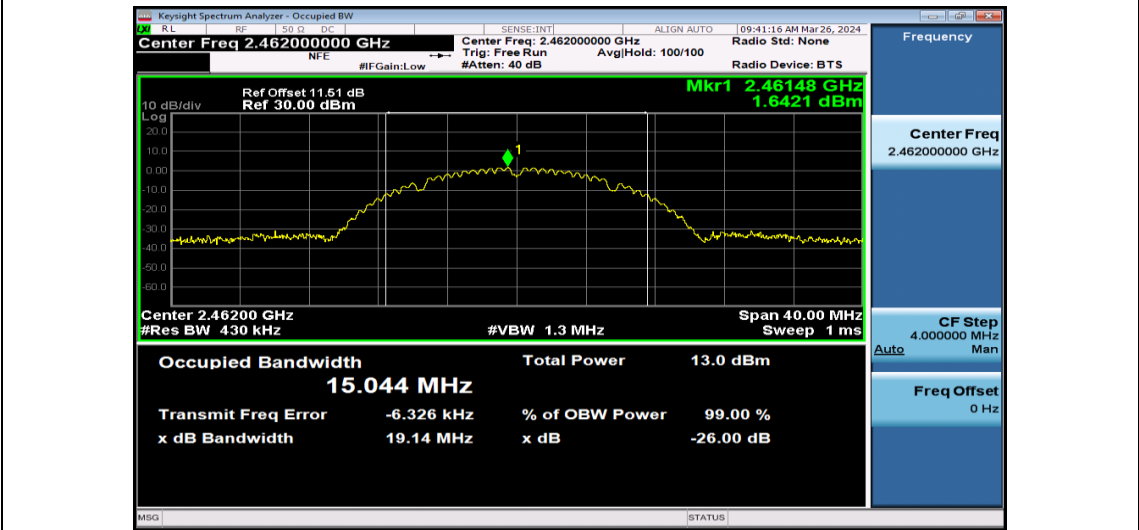
Test Graphs



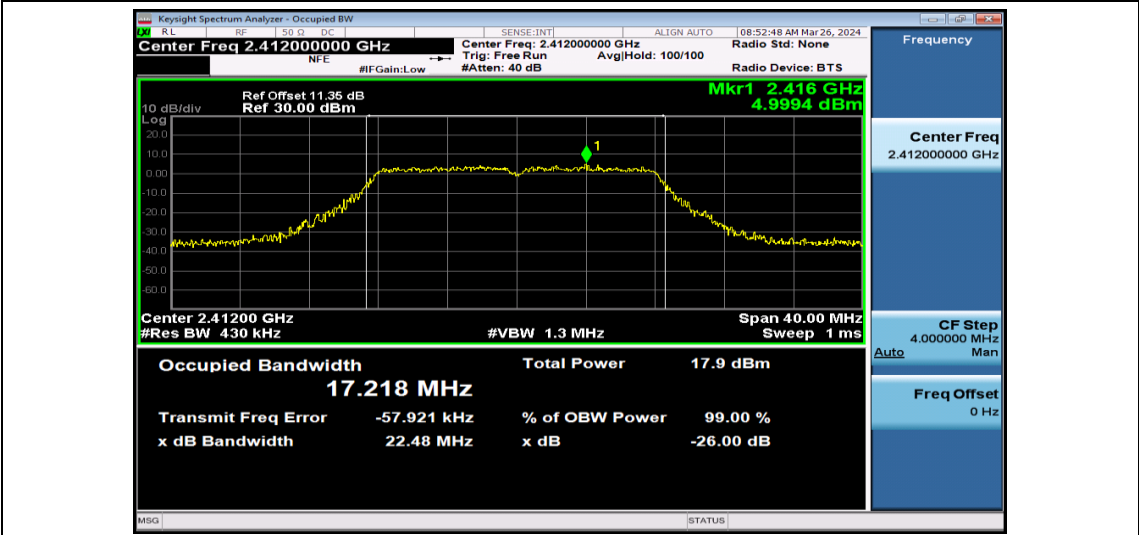
11B-Ant1-2412



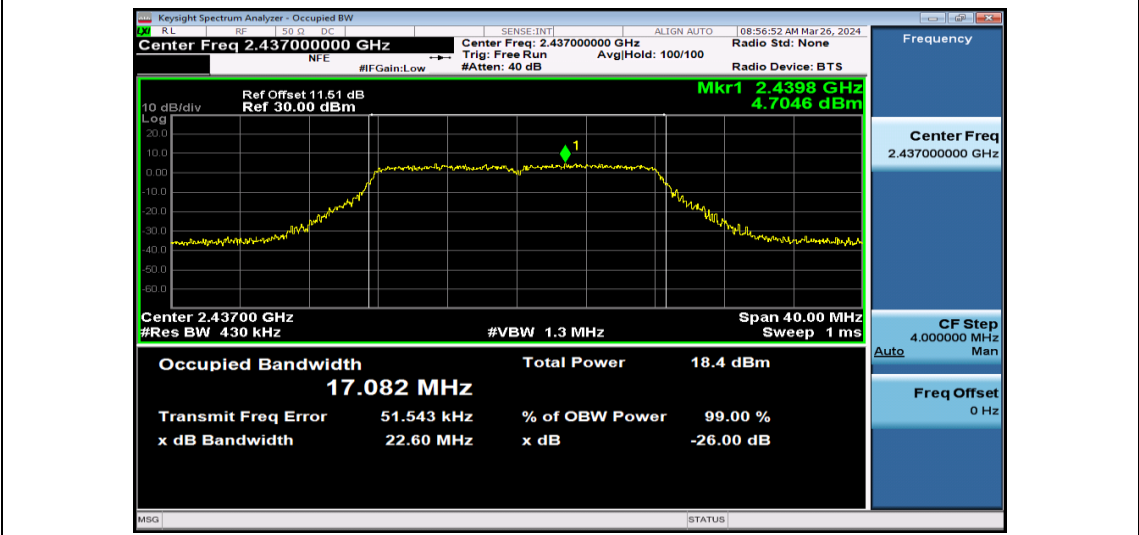
11B-Ant1-2437



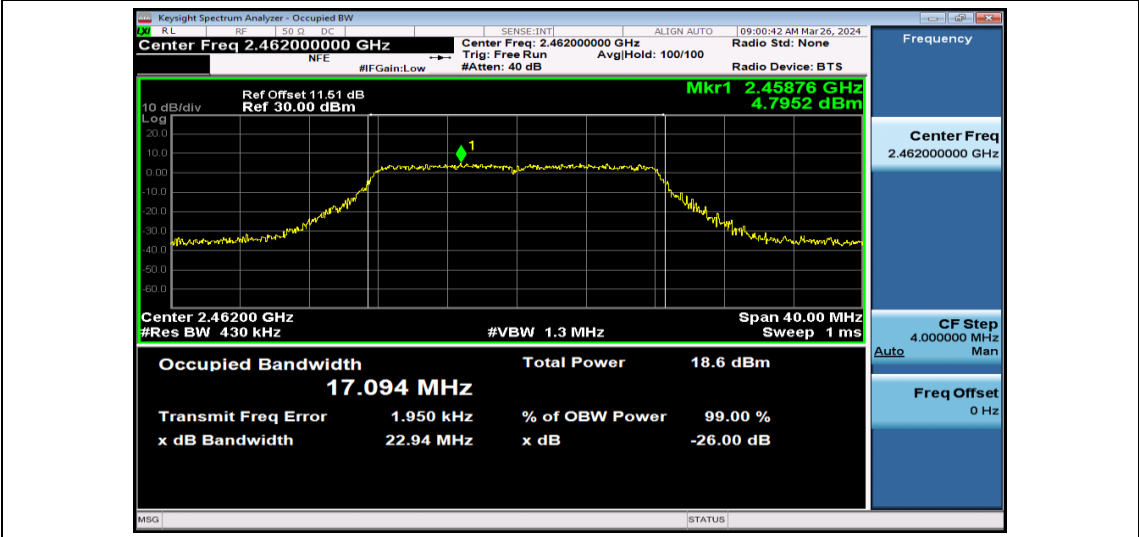
11B-Ant1-2462



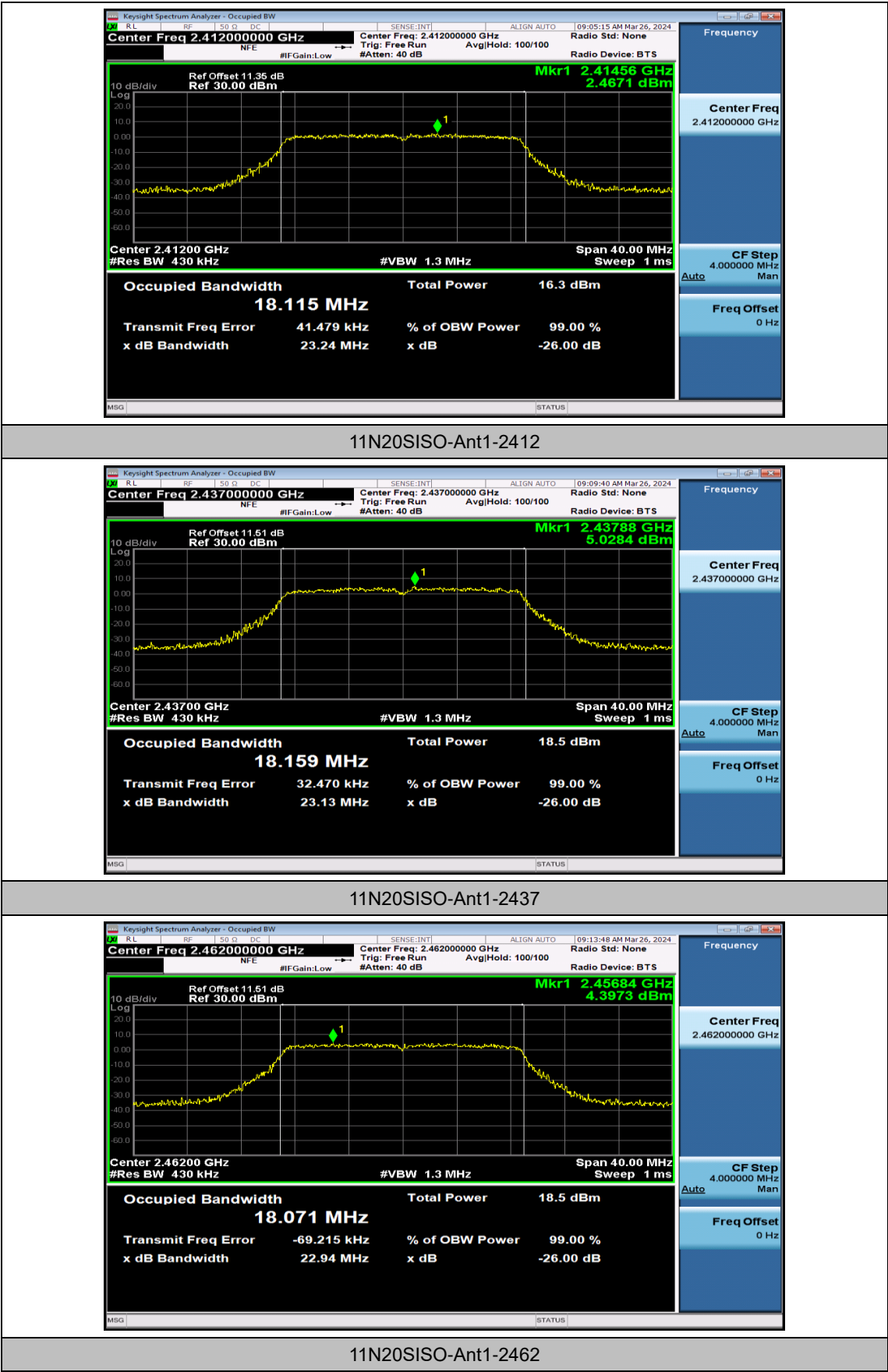
11G-Ant1-2412

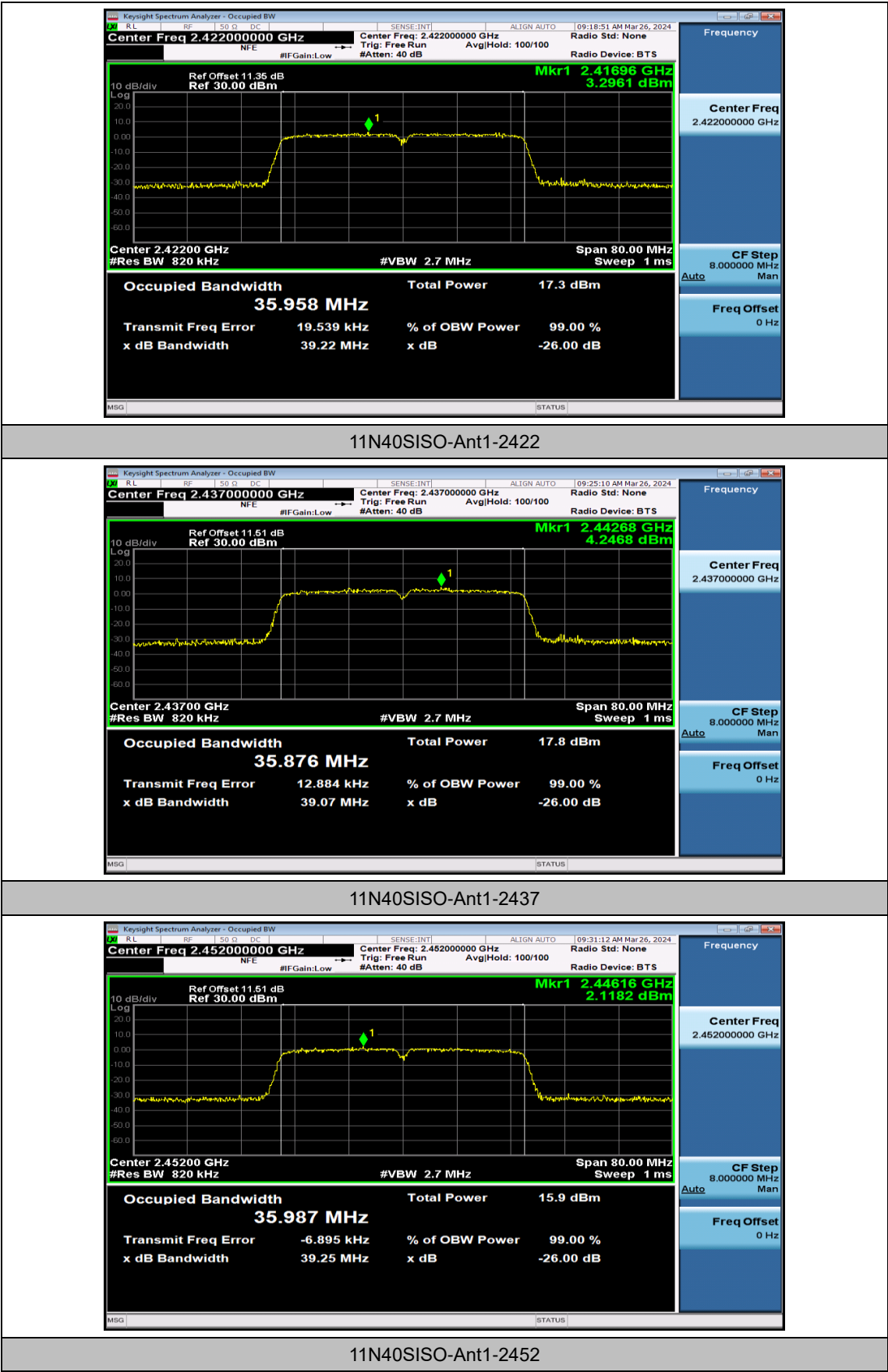


11G-Ant1-2437



11G-Ant1-2462



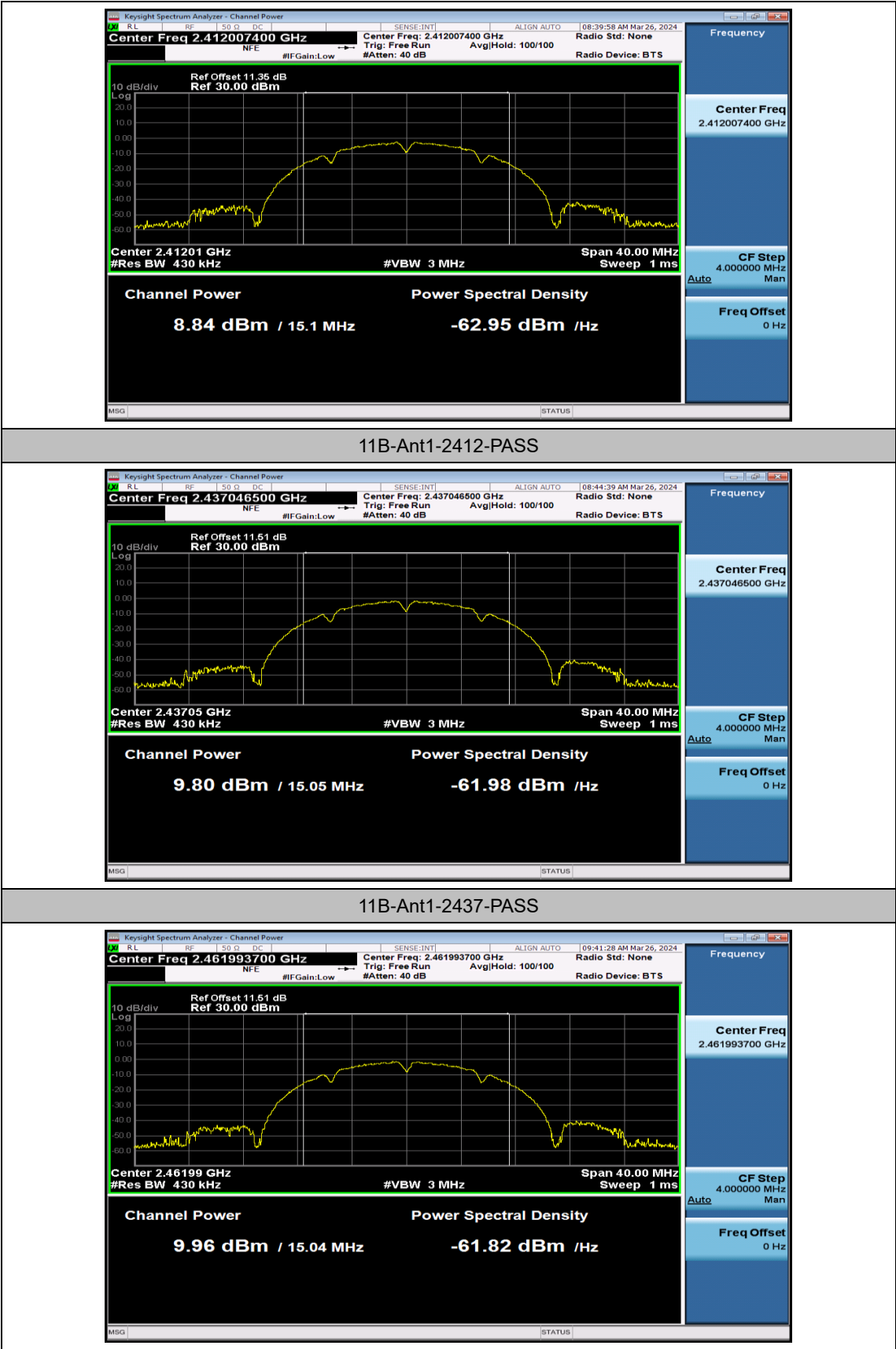


Appendix B: Maximum conducted output power

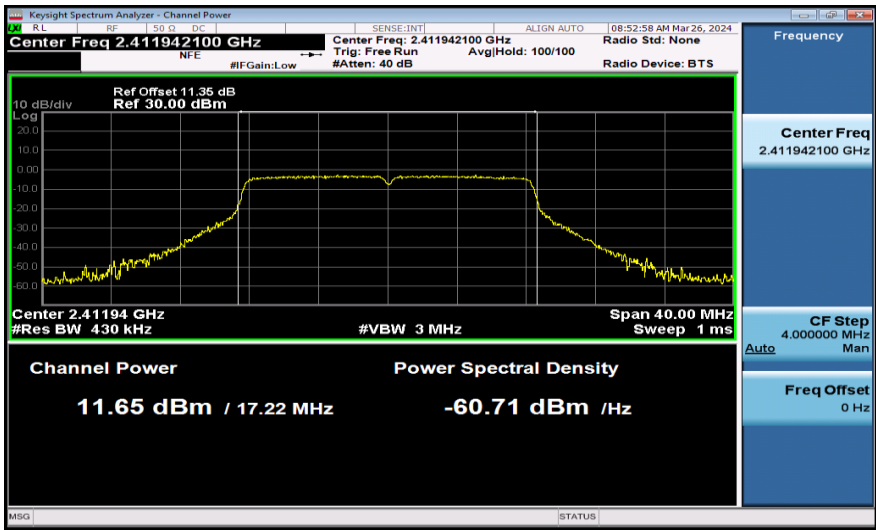
Test Result Average

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	8.84	98.65	0.06	8.90	≤30.00	4.83	13.73	≤36.00	PASS
11B	Ant1	2437	9.80	100.00	0.00	9.80	≤30.00	4.83	14.63	≤36.00	PASS
11B	Ant1	2462	9.96	95.61	0.19	10.15	≤30.00	4.83	14.98	≤36.00	PASS
11G	Ant1	2412	11.65	90.75	0.42	12.07	≤30.00	4.83	16.90	≤36.00	PASS
11G	Ant1	2437	12.25	95.39	0.20	12.45	≤30.00	4.83	17.28	≤36.00	PASS
11G	Ant1	2462	12.39	97.63	0.10	12.49	≤30.00	4.83	17.32	≤36.00	PASS
11N20SISO	Ant1	2412	10.29	96.48	0.16	10.45	≤30.00	4.83	15.28	≤36.00	PASS
11N20SISO	Ant1	2437	12.19	94.12	0.26	12.45	≤30.00	4.83	17.28	≤36.00	PASS
11N20SISO	Ant1	2462	12.12	97.46	0.11	12.23	≤30.00	4.83	17.06	≤36.00	PASS
11N40SISO	Ant1	2422	9.97	94.00	0.27	10.24	≤30.00	4.83	15.07	≤36.00	PASS
11N40SISO	Ant1	2437	10.53	85.45	0.68	11.21	≤30.00	4.83	16.04	≤36.00	PASS
11N40SISO	Ant1	2452	8.72	89.52	0.48	9.20	≤30.00	4.83	14.03	≤36.00	PASS

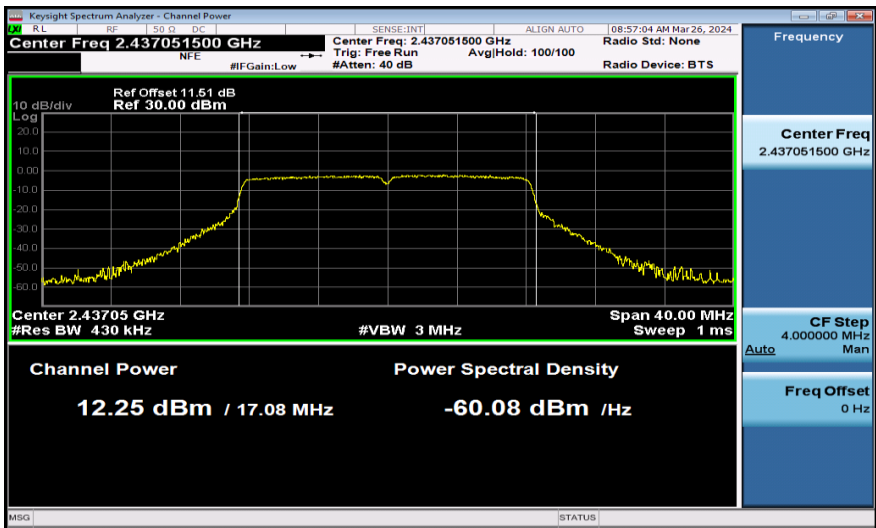
Test Graphs Average



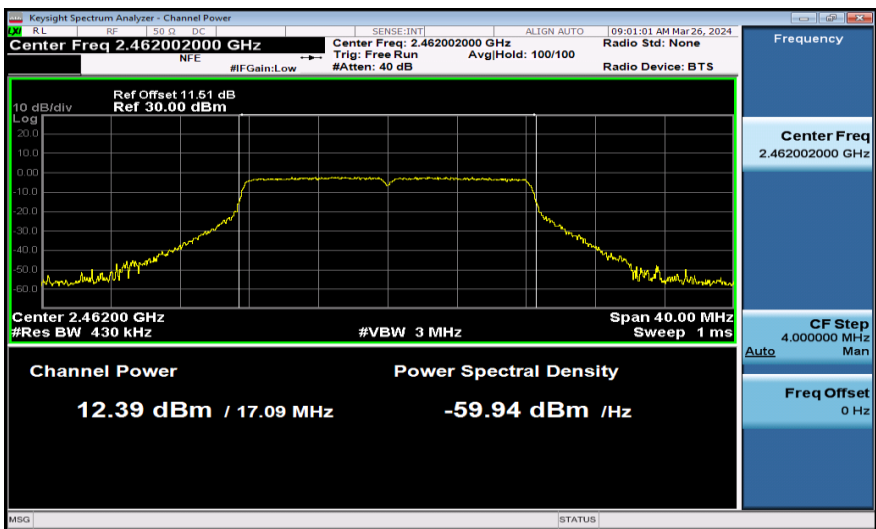
11B-Ant1-2462-PASS



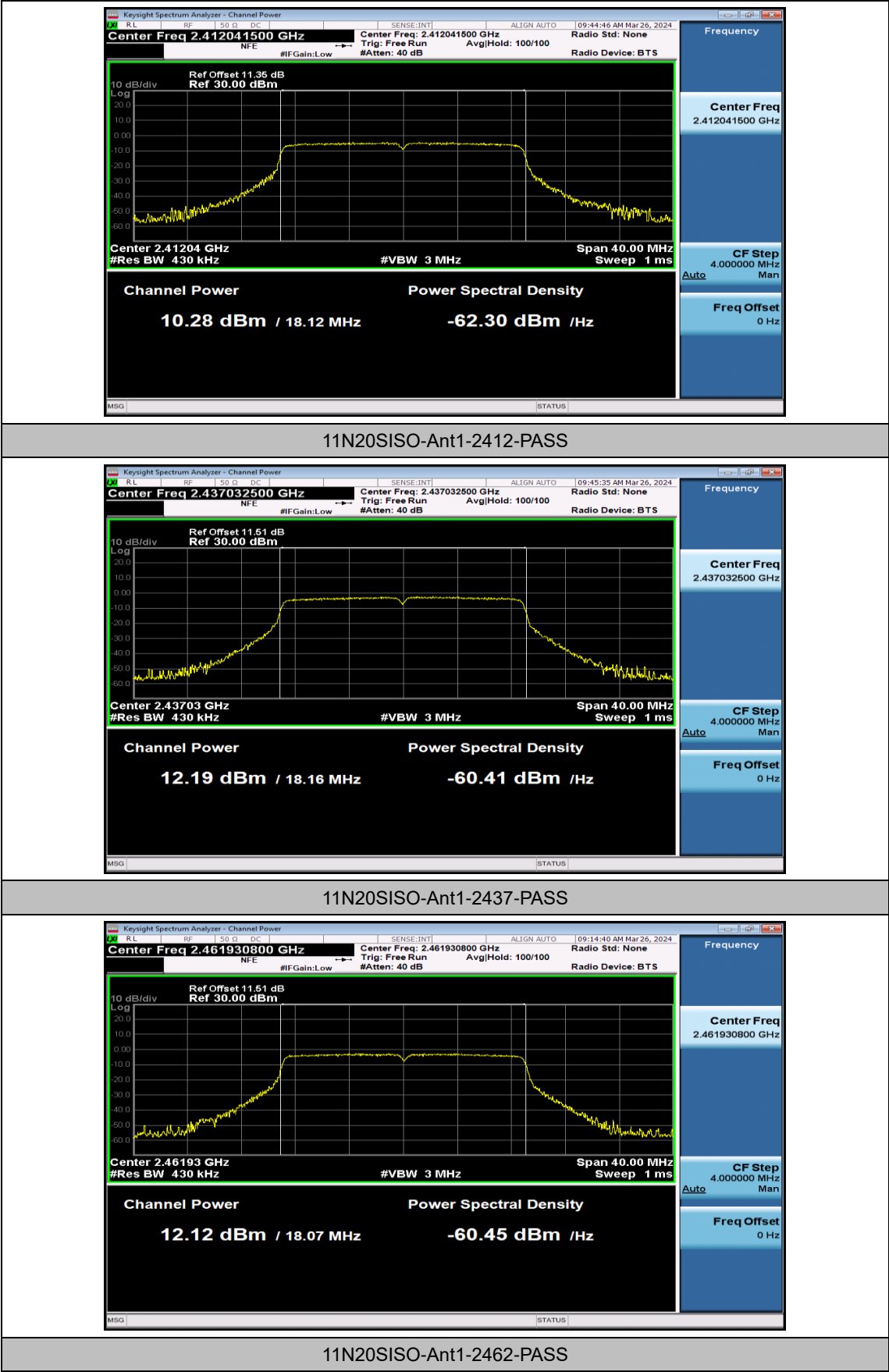
11G-Ant1-2412-PASS

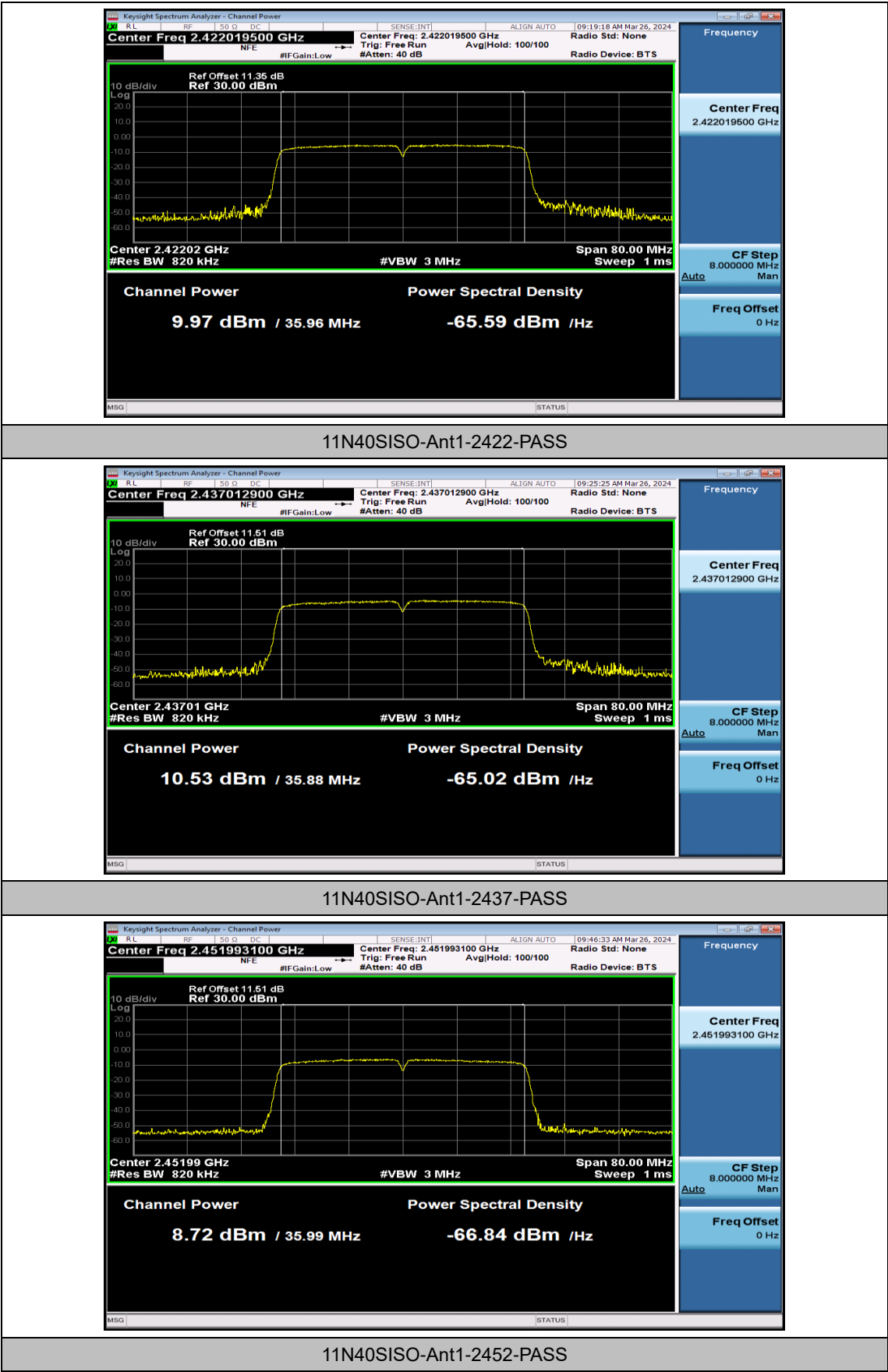


11G-Ant1-2437-PASS



11G-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	-22.66	≤8.00	PASS
11B	Ant1	2437	-21.85	≤8.00	PASS
11B	Ant1	2462	-21.53	≤8.00	PASS
11G	Ant1	2412	-19.87	≤8.00	PASS
11G	Ant1	2437	-19.19	≤8.00	PASS
11G	Ant1	2462	-18.86	≤8.00	PASS
11N20SISO	Ant1	2412	-20.93	≤8.00	PASS
11N20SISO	Ant1	2437	-19.09	≤8.00	PASS
11N20SISO	Ant1	2462	-19.67	≤8.00	PASS
11N40SISO	Ant1	2422	-22.84	≤8.00	PASS
11N40SISO	Ant1	2437	-22.44	≤8.00	PASS
11N40SISO	Ant1	2452	-24.78	≤8.00	PASS

Test Graphs



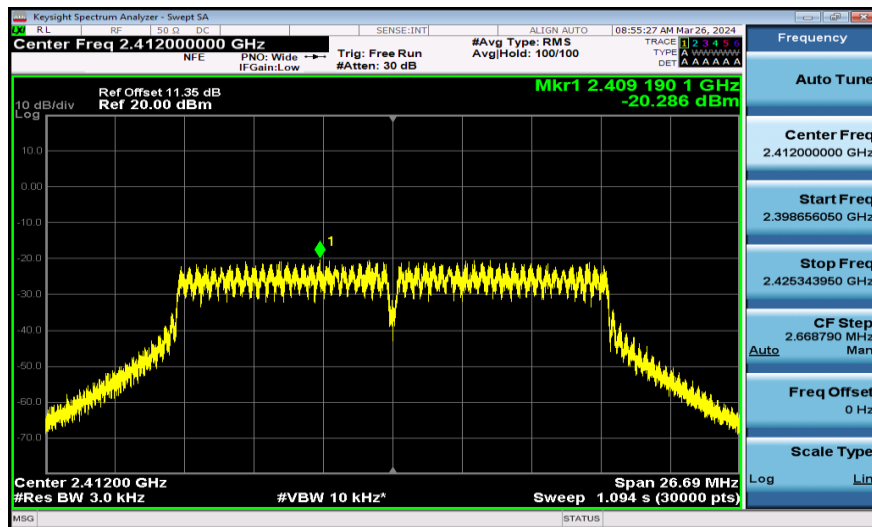
11B-Ant1-2412-PASS



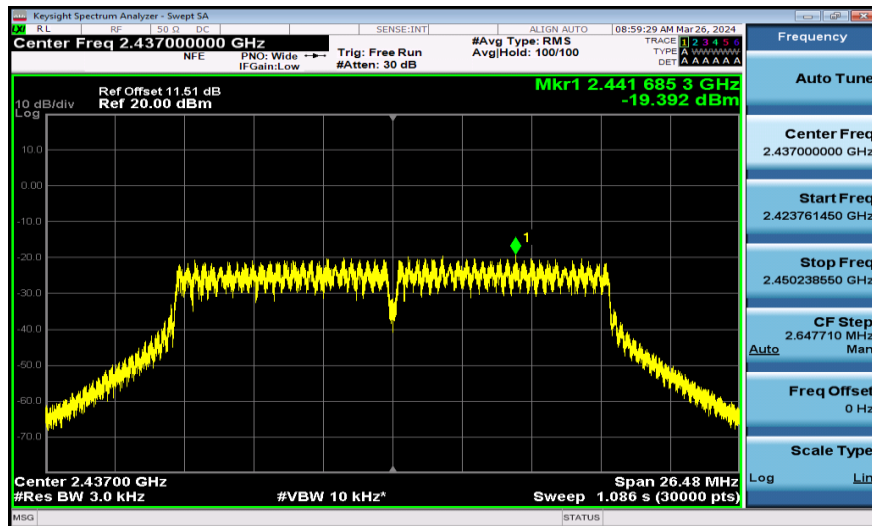
11B-Ant1-2437-PASS



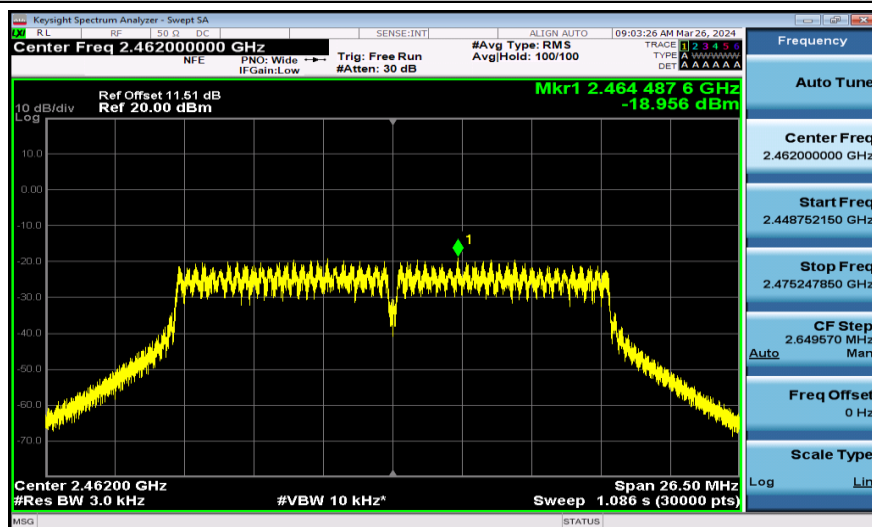
11B-Ant1-2462-PASS



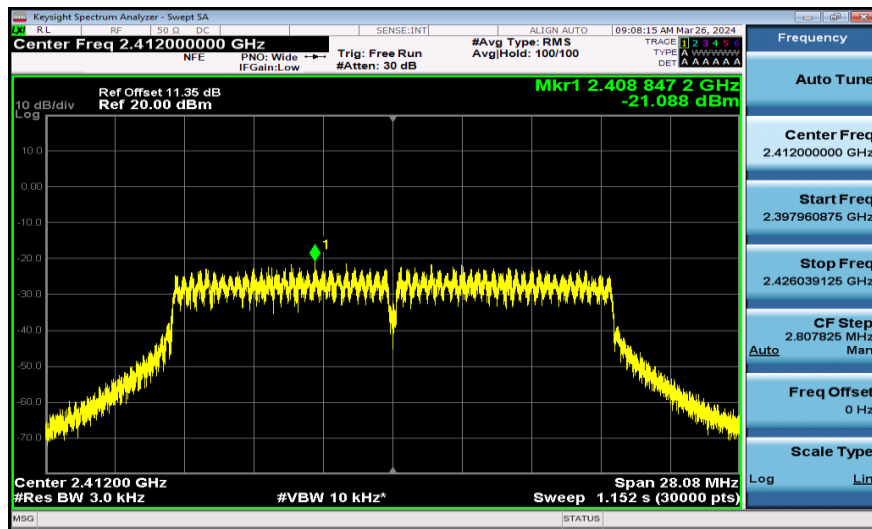
11G-Ant1-2412-PASS



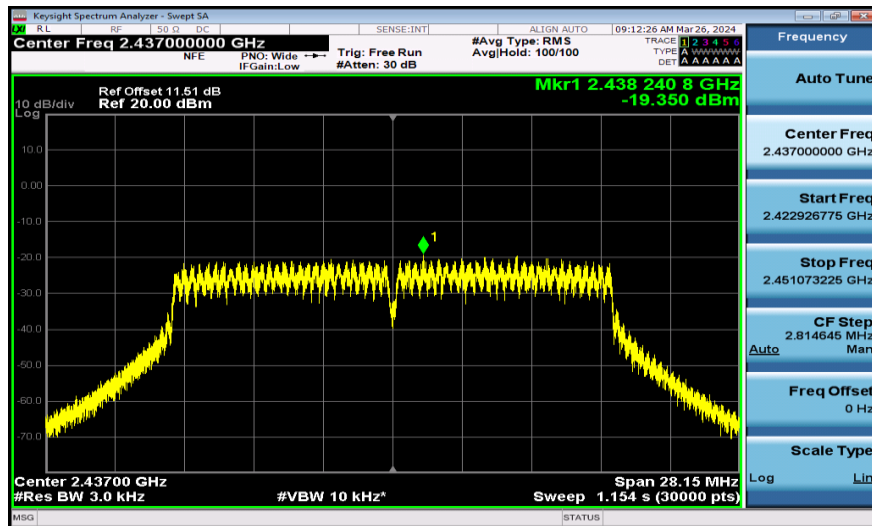
11G-Ant1-2437-PASS



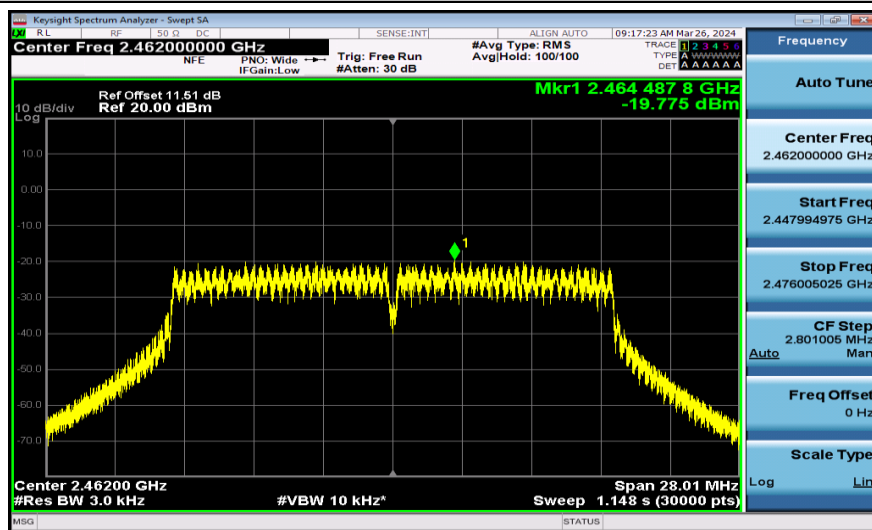
11G-Ant1-2462-PASS



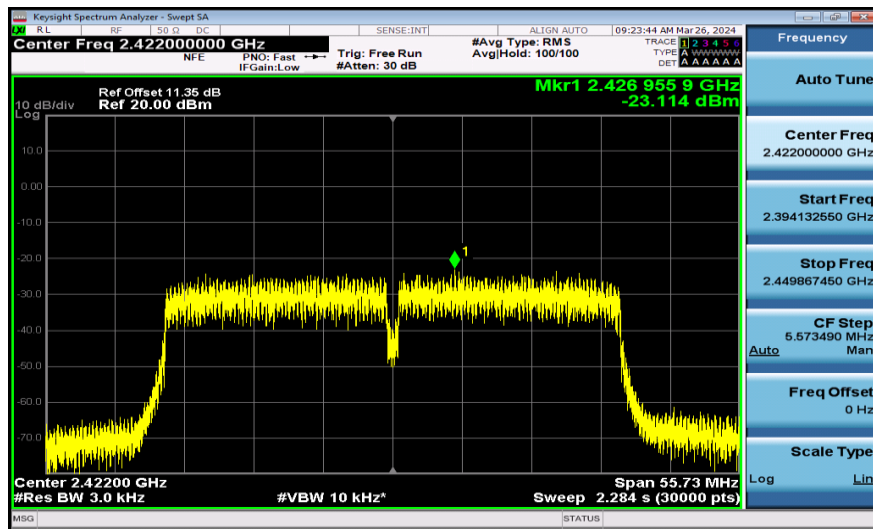
11N20SISO-Ant1-2412-PASS



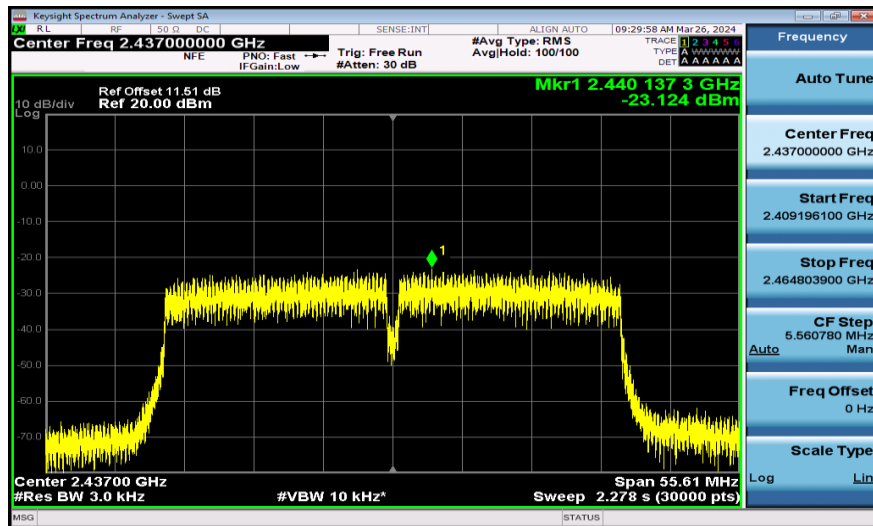
11N20SISO-Ant1-2437-PASS



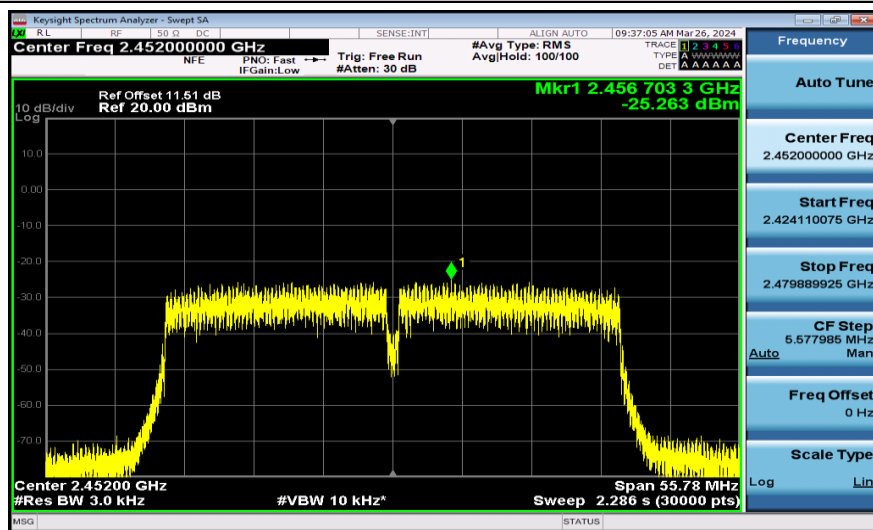
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



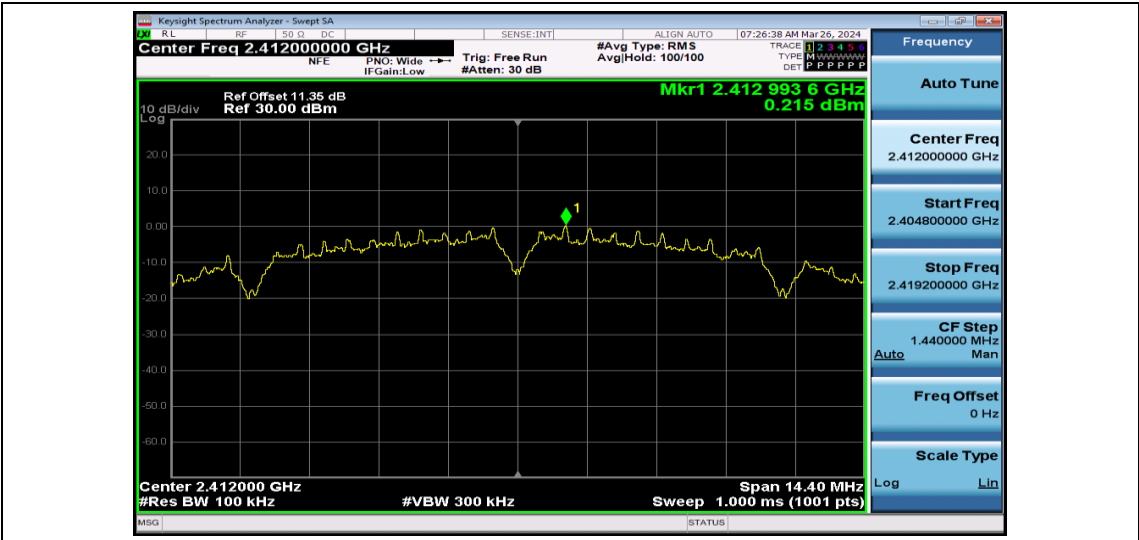
11N40SISO-Ant1-2452-PASS

Appendix B: Reference level measurement

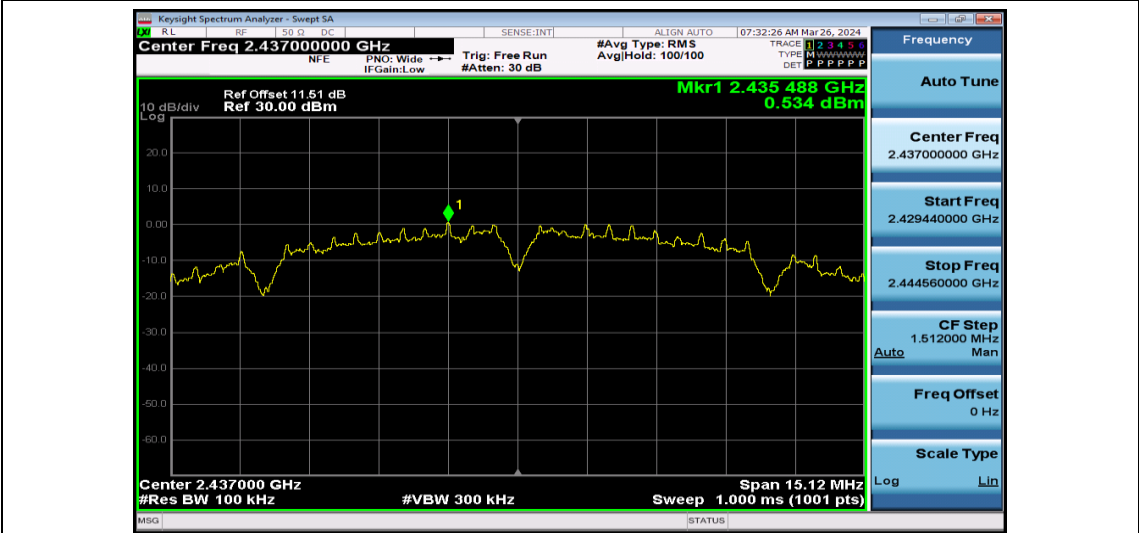
Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2412.99	0.22
11B	Ant1	2437	2435.49	0.53
11B	Ant1	2462	2461.48	1.28
11G	Ant1	2412	2410.73	0.14
11G	Ant1	2437	2439.50	1.20
11G	Ant1	2462	2464.48	0.46
11N20SISO	Ant1	2412	2410.71	-2.75
11N20SISO	Ant1	2437	2435.73	0.52
11N20SISO	Ant1	2462	2465.71	0.53
11N40SISO	Ant1	2422	2434.49	-4.30
11N40SISO	Ant1	2437	2440.71	-3.24
11N40SISO	Ant1	2452	2449.46	-4.83

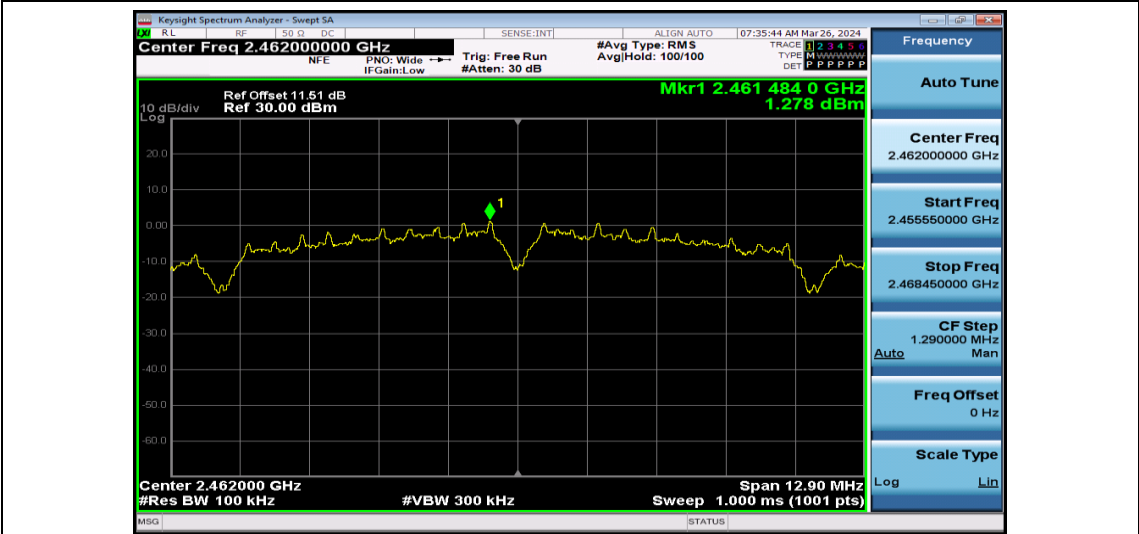
Test Graphs



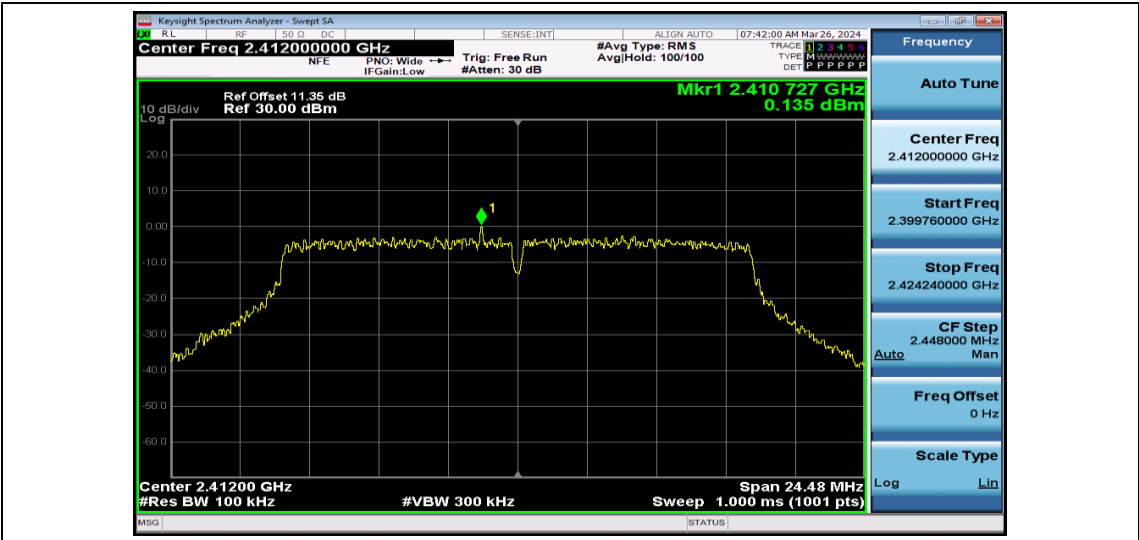
11B-Ant1-2412-PASS



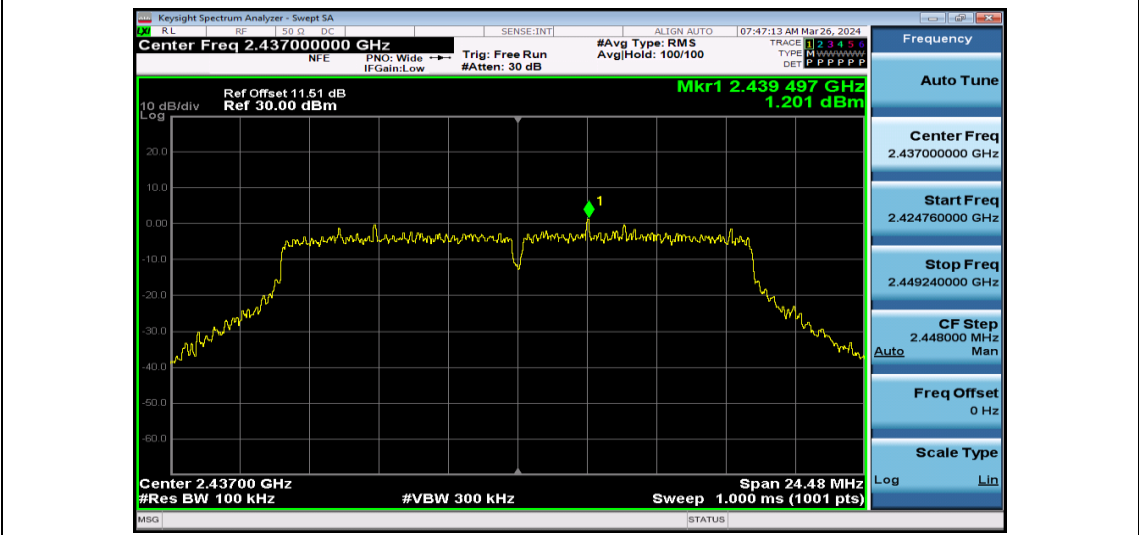
11B-Ant1-2437-PASS



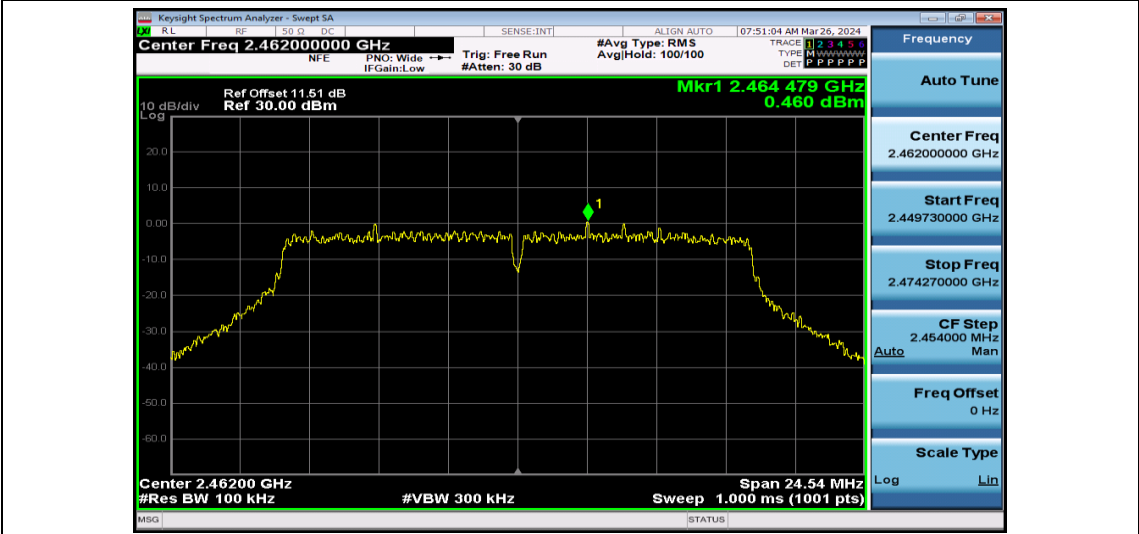
11B-Ant1-2462-PASS



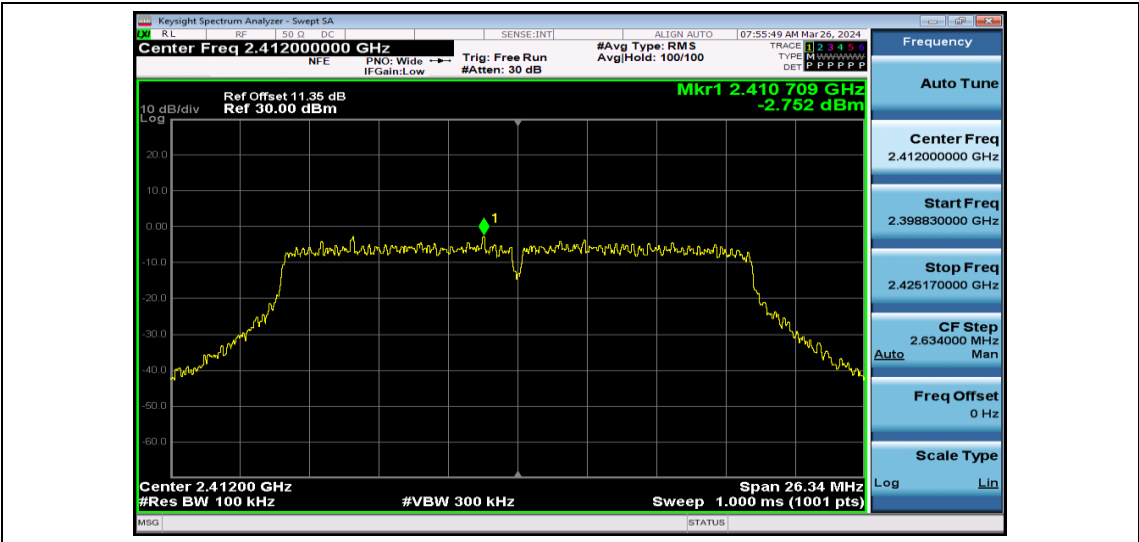
11G-Ant1-2412-PASS



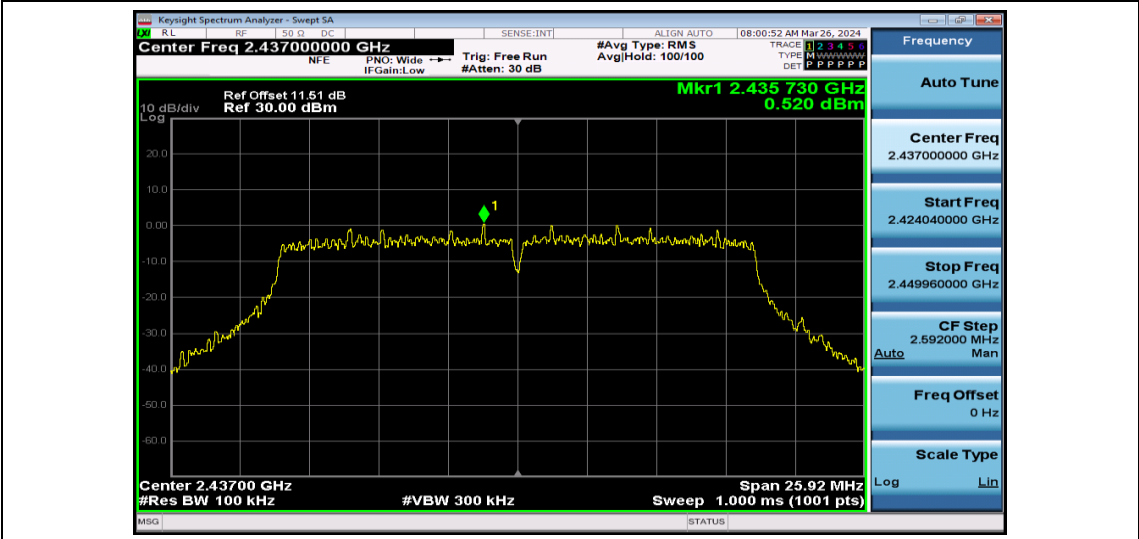
11G-Ant1-2437-PASS



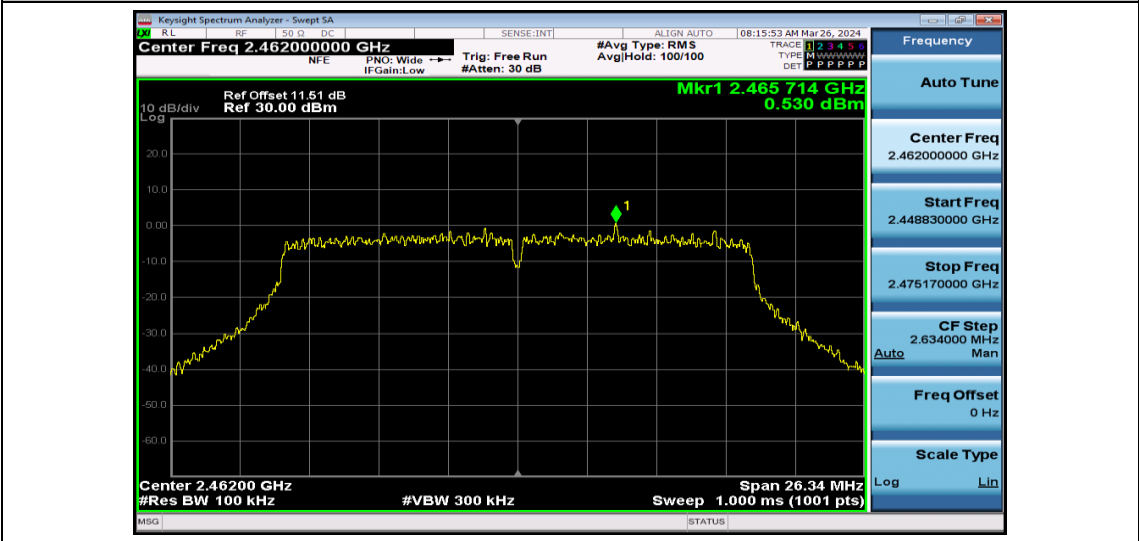
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



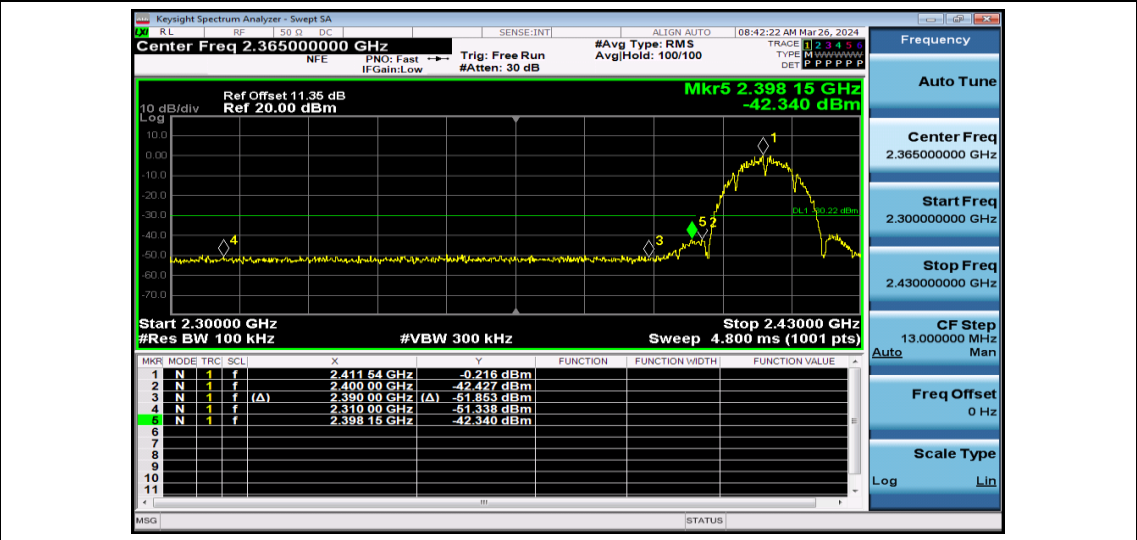
11N40SISO-Ant1-2452-PASS

Appendix B: Band edge measurements

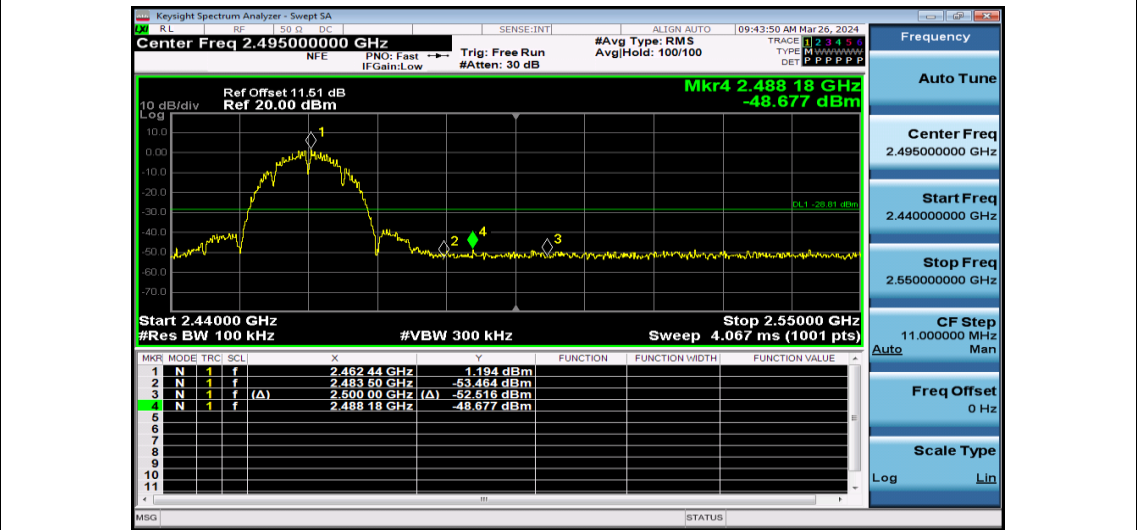
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-0.22	-42.34	$\leq$ -30.22	PASS
11B	Ant1	High	2462	1.19	-48.68	$\leq$ -28.81	PASS
11G	Ant1	Low	2412	0.35	-35.32	$\leq$ -29.65	PASS
11G	Ant1	High	2462	0.37	-48.41	$\leq$ -29.63	PASS
11N20SISO	Ant1	Low	2412	-1.00	-37.11	$\leq$ -31	PASS
11N20SISO	Ant1	High	2462	0.79	-48.35	$\leq$ -29.21	PASS
11N40SISO	Ant1	Low	2422	-3.77	-42.92	$\leq$ -33.77	PASS
11N40SISO	Ant1	High	2452	-5.17	-47.67	$\leq$ -35.17	PASS

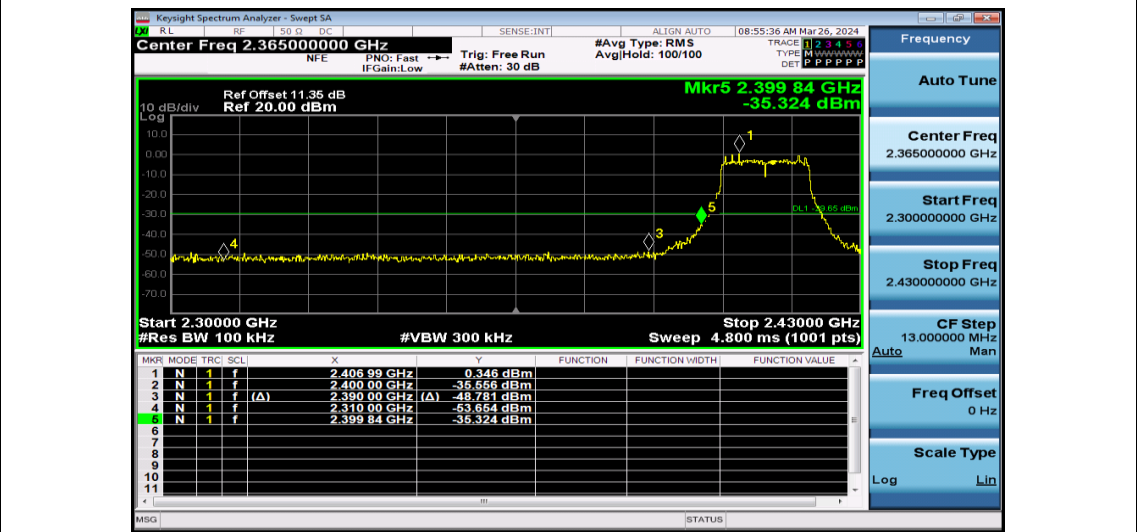
Test Graphs



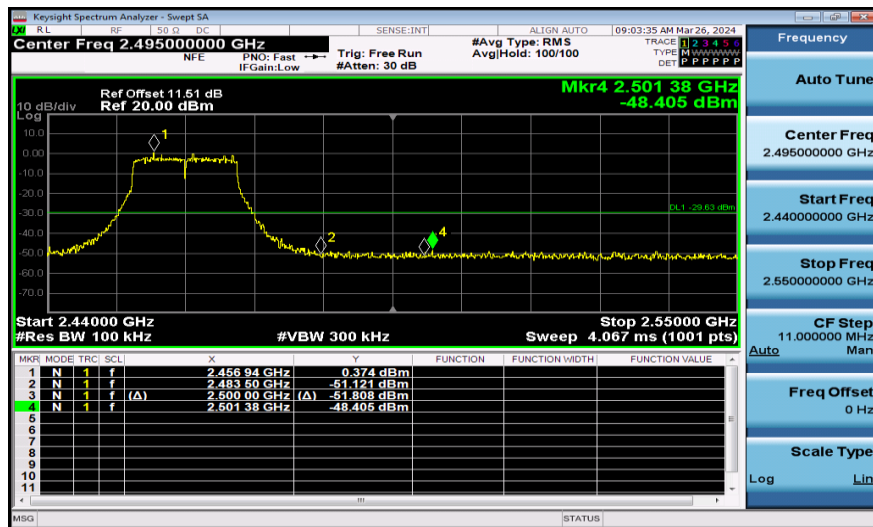
11B-Ant1-2412-PASS



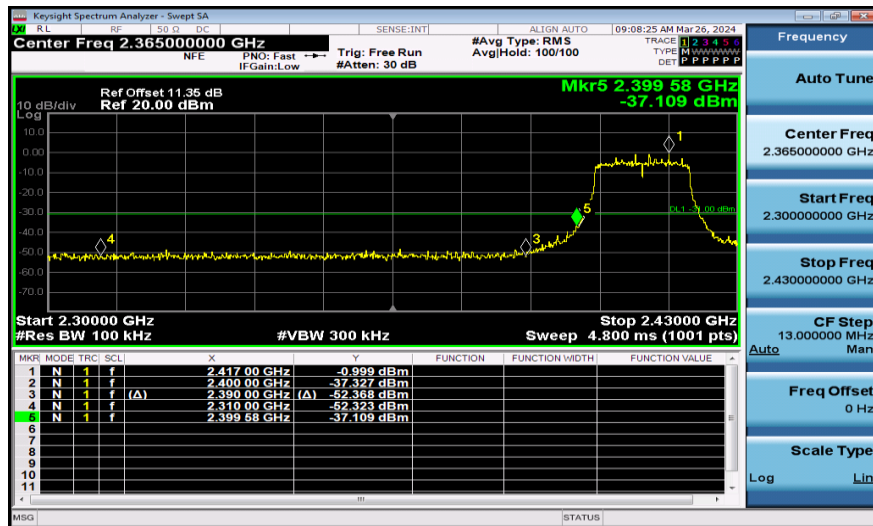
11B-Ant1-2462-PASS



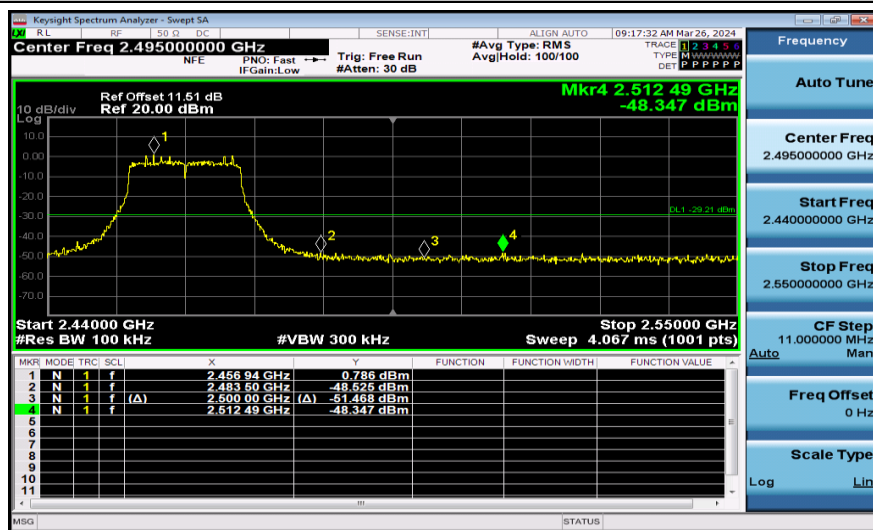
11G-Ant1-2412-PASS



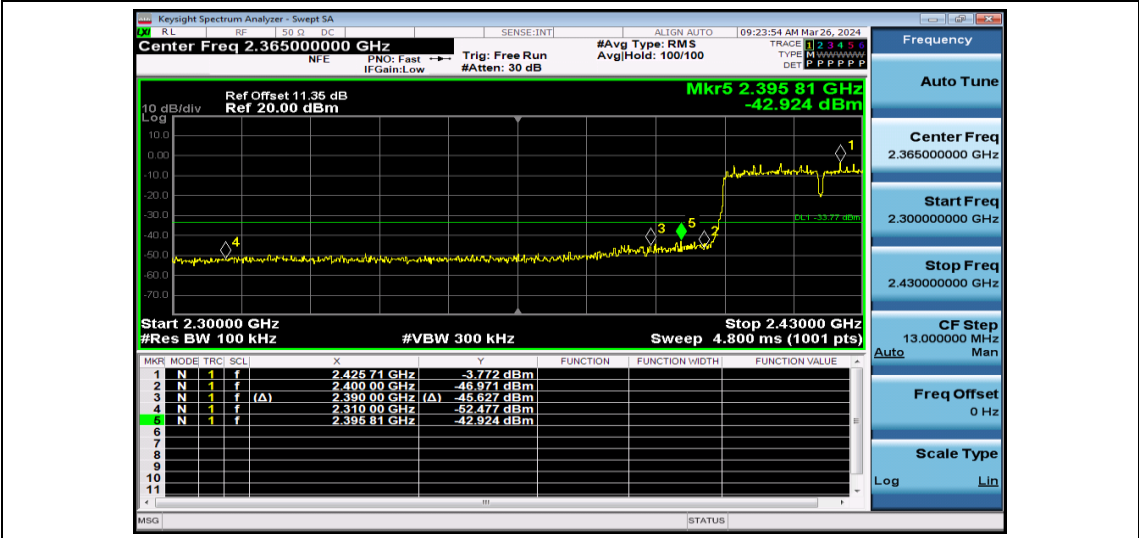
11G-Ant1-2462-PASS



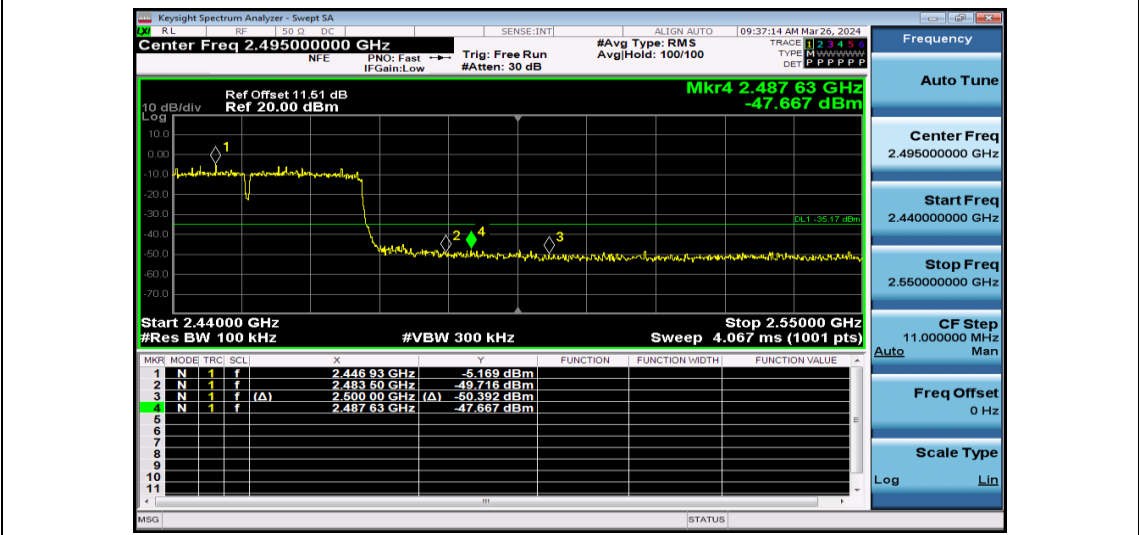
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS

Appendix B: Conducted Spurious Emission

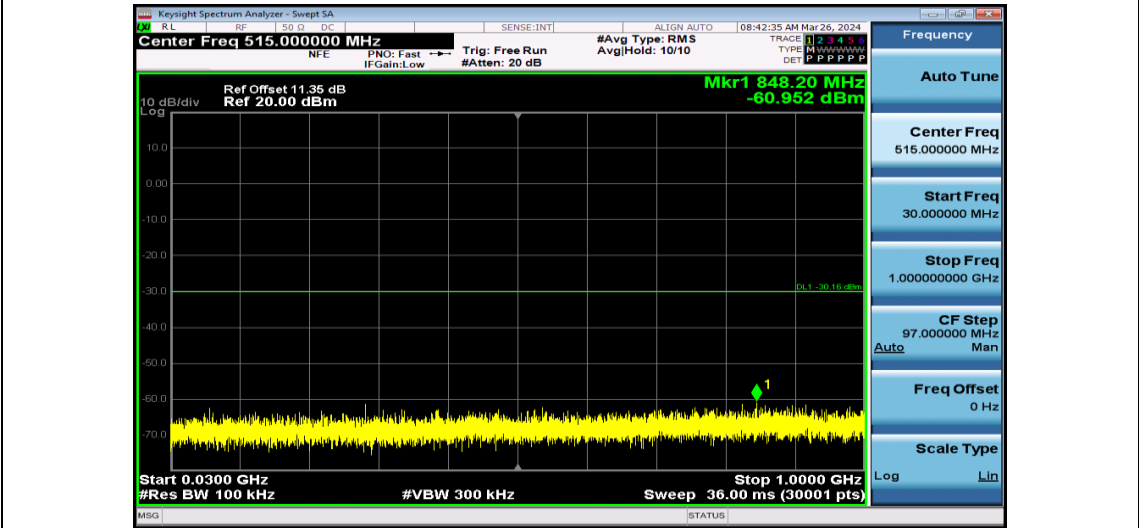
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	-0.16	-0.16	---	PASS
11B	Ant1	2412	30~1000	-0.16	-60.95	≤-30.16	PASS
11B	Ant1	2412	1000~26500	-0.16	-50.64	≤-30.16	PASS
11B	Ant1	2437	0~Reference	0.31	0.31	---	PASS
11B	Ant1	2437	30~1000	0.31	-60.84	≤-29.69	PASS
11B	Ant1	2437	1000~26500	0.31	-53	≤-29.69	PASS
11B	Ant1	2462	0~Reference	-0.64	-0.64	---	PASS
11B	Ant1	2462	30~1000	-0.64	-61.35	≤-30.64	PASS
11B	Ant1	2462	1000~26500	-0.64	-51.71	≤-30.64	PASS
11G	Ant1	2412	0~Reference	-2.64	-2.64	---	PASS
11G	Ant1	2412	30~1000	-2.64	-60.85	≤-32.64	PASS
11G	Ant1	2412	1000~26500	-2.64	-51.39	≤-32.64	PASS
11G	Ant1	2437	0~Reference	0.17	0.17	---	PASS
11G	Ant1	2437	30~1000	0.17	-60.2	≤-29.83	PASS
11G	Ant1	2437	1000~26500	0.17	-52.3	≤-29.83	PASS
11G	Ant1	2462	0~Reference	-1.13	-1.13	---	PASS
11G	Ant1	2462	30~1000	-1.13	-60.33	≤-31.13	PASS
11G	Ant1	2462	1000~26500	-1.13	-52.44	≤-31.13	PASS
11N20SISO	Ant1	2412	0~Reference	-2.20	-2.20	---	PASS
11N20SISO	Ant1	2412	30~1000	-2.20	-60.48	≤-32.2	PASS
11N20SISO	Ant1	2412	1000~26500	-2.20	-53	≤-32.2	PASS
11N20SISO	Ant1	2437	0~Reference	-3.05	-3.05	---	PASS
11N20SISO	Ant1	2437	30~1000	-3.05	-60.69	≤-33.05	PASS
11N20SISO	Ant1	2437	1000~26500	-3.05	-50.97	≤-33.05	PASS
11N20SISO	Ant1	2462	0~Reference	-2.26	-2.26	---	PASS
11N20SISO	Ant1	2462	30~1000	-2.26	-59.38	≤-32.26	PASS
11N20SISO	Ant1	2462	1000~26500	-2.26	-50.89	≤-32.26	PASS
11N40SISO	Ant1	2422	0~Reference	-7.83	-7.83	---	PASS
11N40SISO	Ant1	2422	30~1000	-7.83	-60.4	≤-37.83	PASS
11N40SISO	Ant1	2422	1000~26500	-7.83	-52.91	≤-37.83	PASS
11N40SISO	Ant1	2437	0~Reference	-3.49	-3.49	---	PASS
11N40SISO	Ant1	2437	30~1000	-3.49	-58.88	≤-33.49	PASS
11N40SISO	Ant1	2437	1000~26500	-3.49	-51.74	≤-33.49	PASS
11N40SISO	Ant1	2452	0~Reference	-7.62	-7.62	---	PASS
11N40SISO	Ant1	2452	30~1000	-7.62	-60.09	≤-37.62	PASS
11N40SISO	Ant1	2452	1000~26500	-7.62	-52.47	≤-37.62	PASS

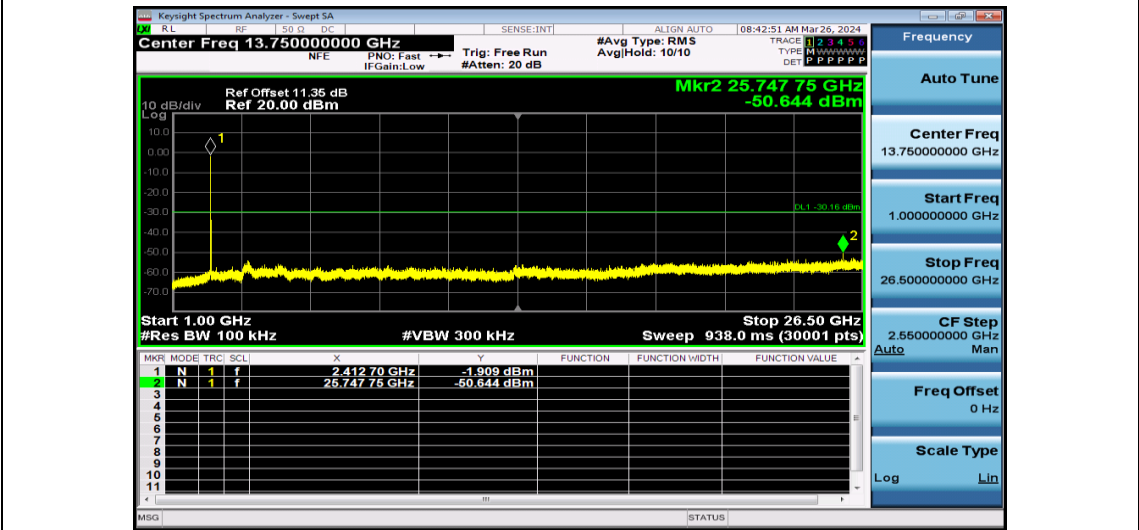
Test Graphs



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



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



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