Appendix Test Data for WLAN(2.4G) (Conducted Measurement)

Product Name: Tablet PC

Trade Mark: ZDK

Test Model: T30

FCC ID: 2A97PT30

Environmental Conditions

Temperature:	#Temp.
Relative Humidity:	#Humidity
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

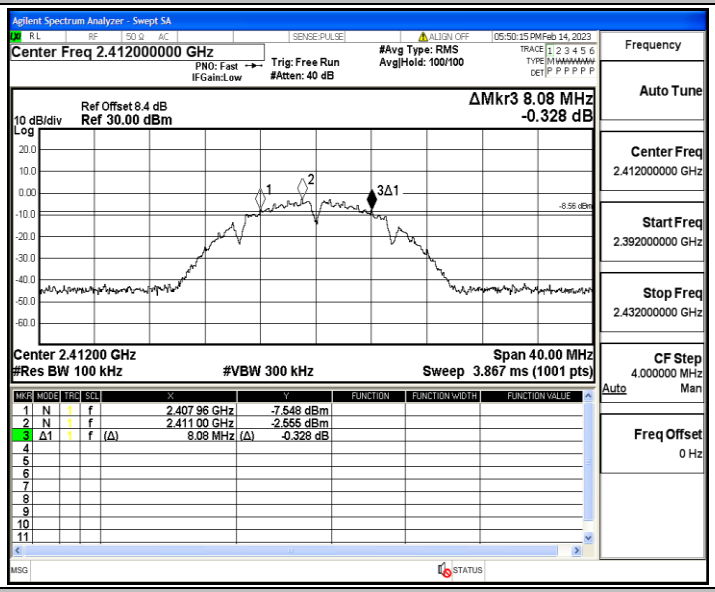
Appendix A: DTS Bandwidth

Test Result

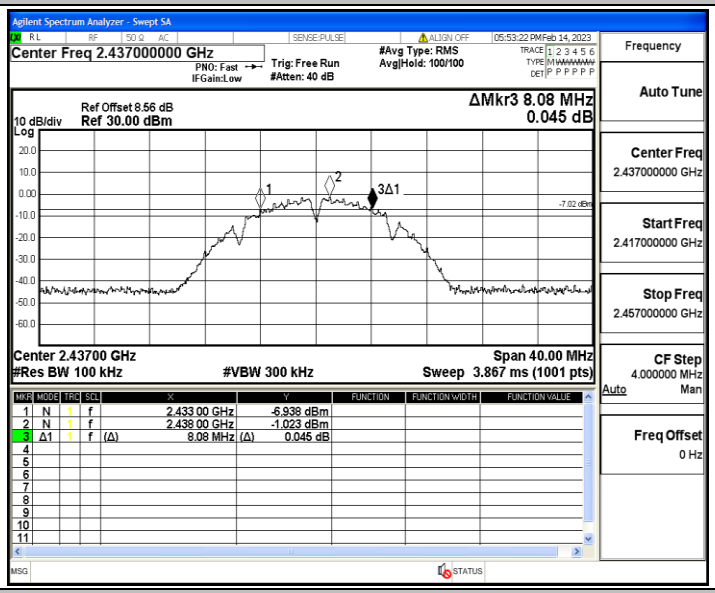
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.080	2407.960	2416.040	0.5	PASS
		2437	8.080	2433.000	2441.080	0.5	PASS
		2462	8.560	2457.960	2466.520	0.5	PASS
11G	Ant1	2412	15.960	2403.840	2419.800	0.5	PASS
		2437	15.440	2429.720	2445.160	0.5	PASS
		2462	15.760	2454.440	2470.200	0.5	PASS
11N20SISO	Ant1	2412	15.920	2403.640	2419.560	0.5	PASS
		2437	15.840	2429.560	2445.400	0.5	PASS
		2462	16.360	2454.480	2470.840	0.5	PASS
11N40SISO	Ant1	2422	35.360	2404.480	2439.840	0.5	PASS
		2437	27.600	2421.960	2449.560	0.5	PASS
		2452	21.280	2434.480	2455.760	0.5	PASS

Test Graphs

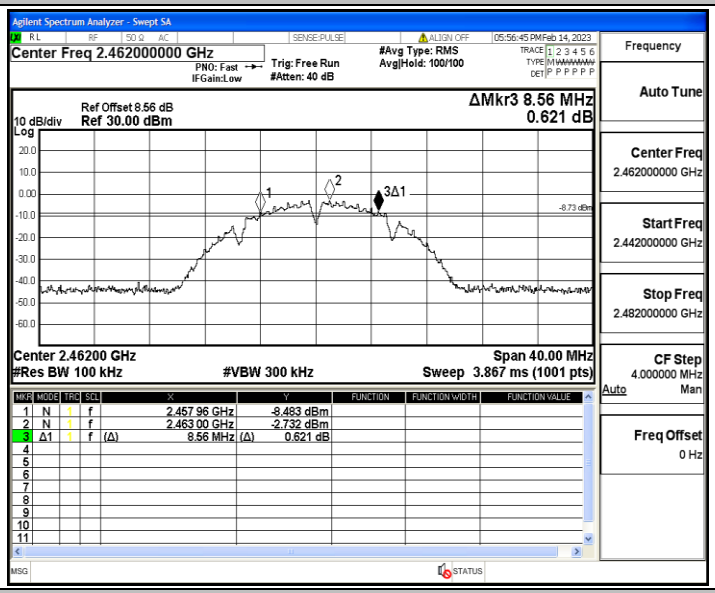
11B_Ant1_2412



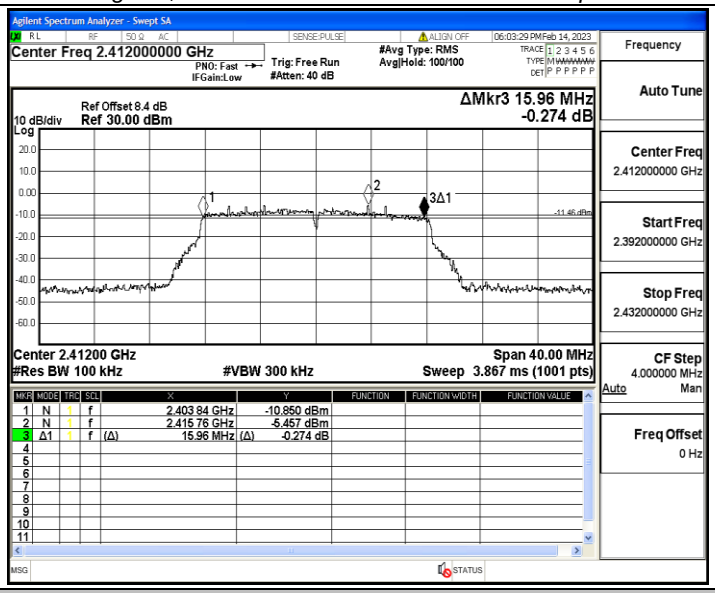
11B_Ant1_2437



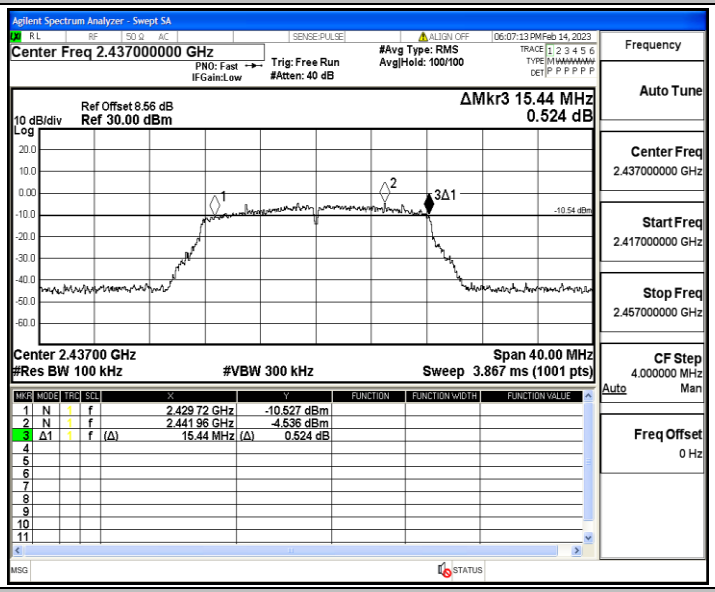
11B_Ant1_2462



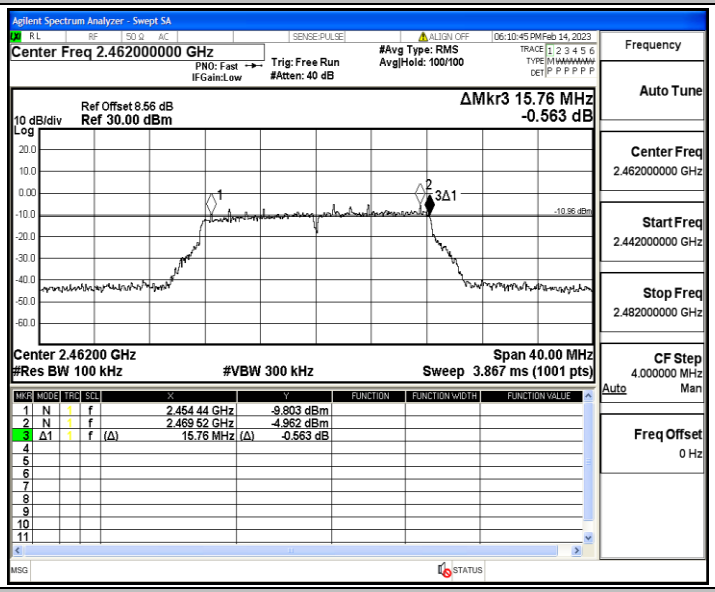
11G_Ant1_2412



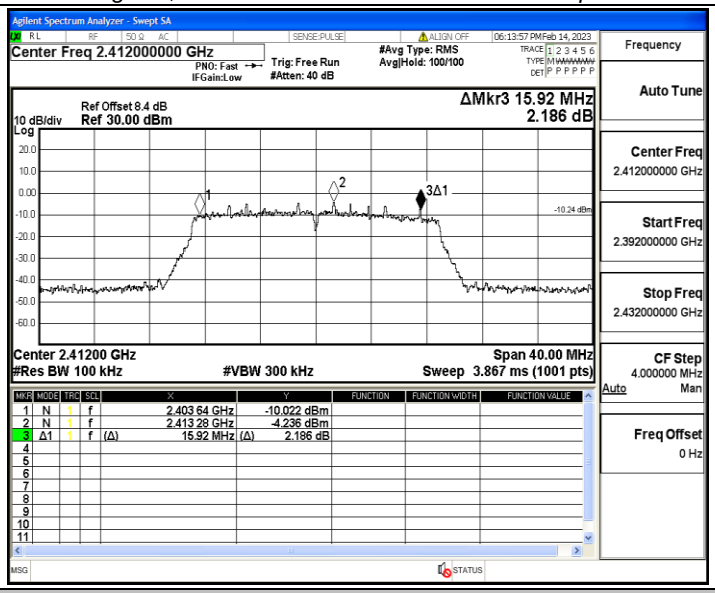
11G_Ant1_2437



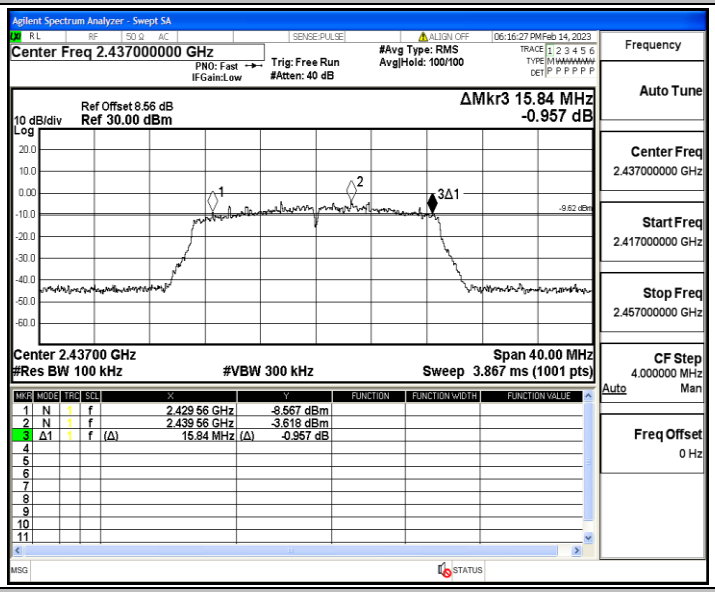
11G_Ant1_2462



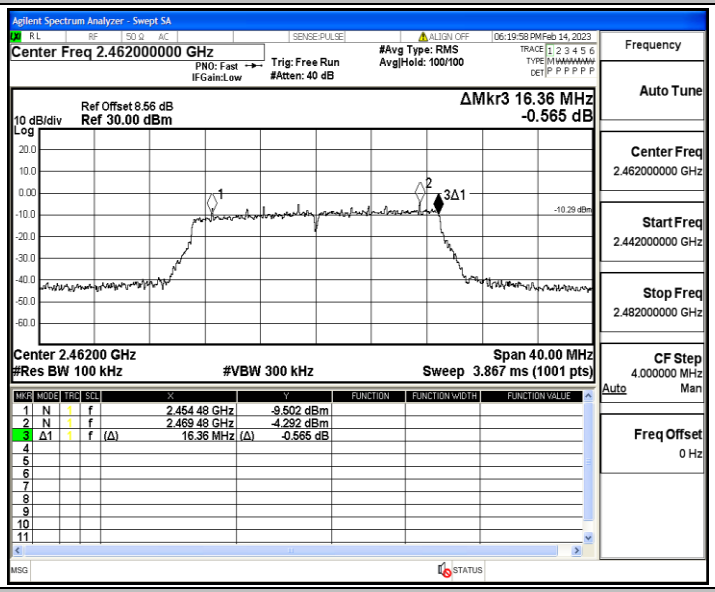
11N20SISO_Ant1_2412



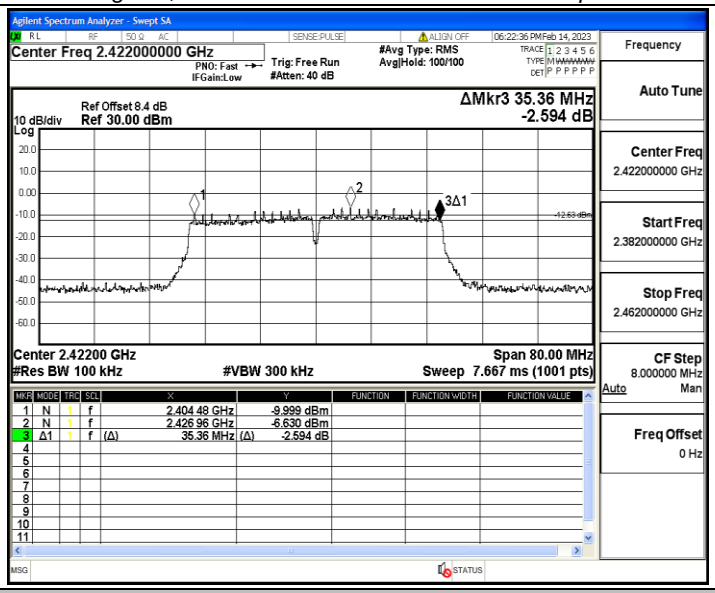
11N20SISO_Ant1_2437



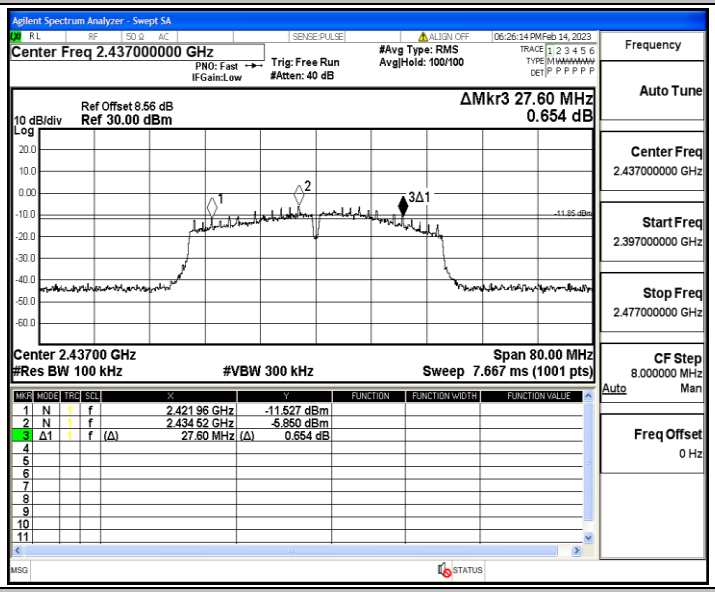
11N20SISO_Ant1_2462



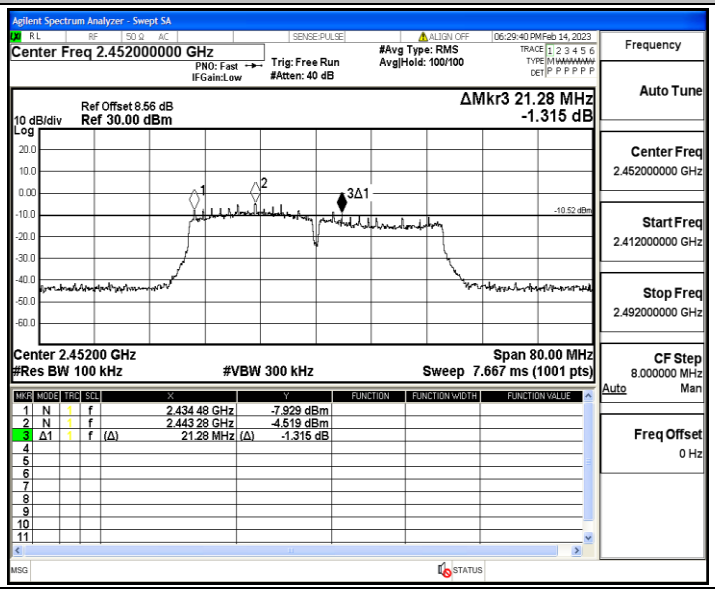
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



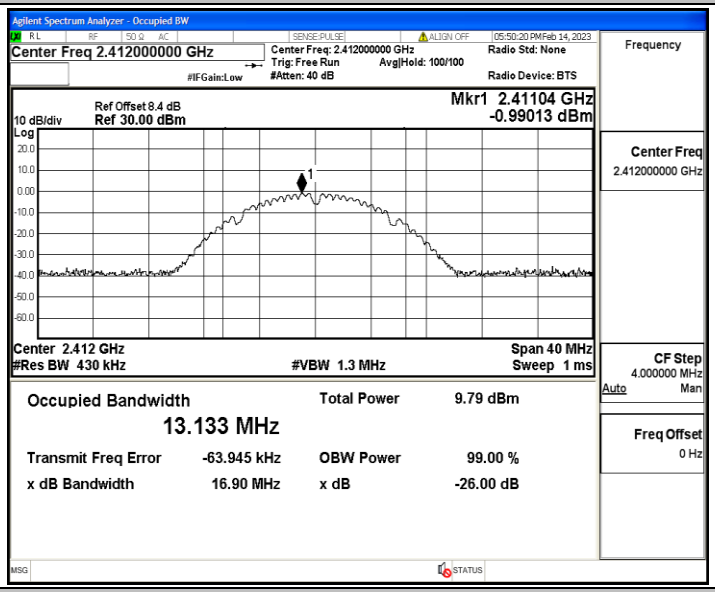
Appendix B: Occupied Channel Bandwidth

Test Result

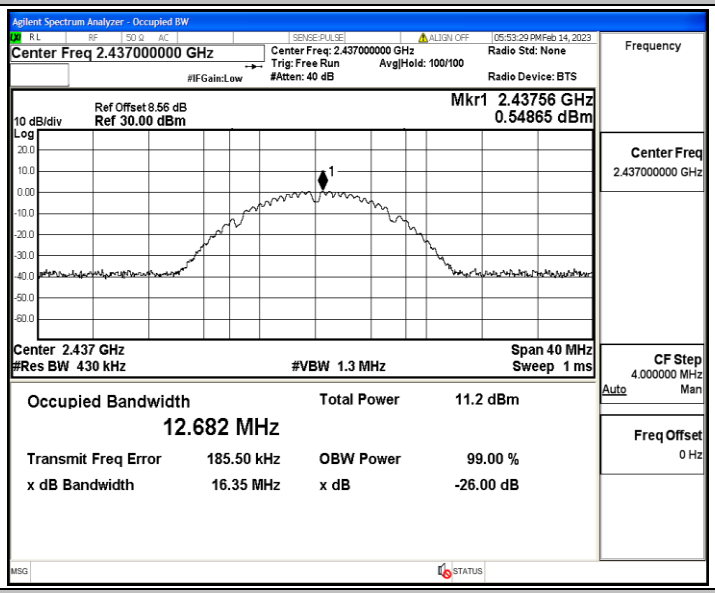
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.133	2405.3696	2418.5026	---	---
		2437	12.682	2430.8445	2443.5265	---	---
		2462	13.602	2455.4837	2469.0857	---	---
11G	Ant1	2412	17.034	2403.3873	2420.4213	---	---
		2437	16.599	2428.8111	2445.4101	---	---
		2462	17.292	2453.5619	2470.8539	---	---
11N20SISO	Ant1	2412	17.895	2403.0362	2420.9312	---	---
		2437	17.575	2428.3231	2445.8981	---	---
		2462	18.171	2453.1202	2471.2912	---	---
11N40SISO	Ant1	2422	36.611	2403.9115	2440.5225	---	---
		2437	35.275	2419.2982	2454.5732	---	---
		2452	36.445	2433.8477	2470.2927	---	---

Test Graphs

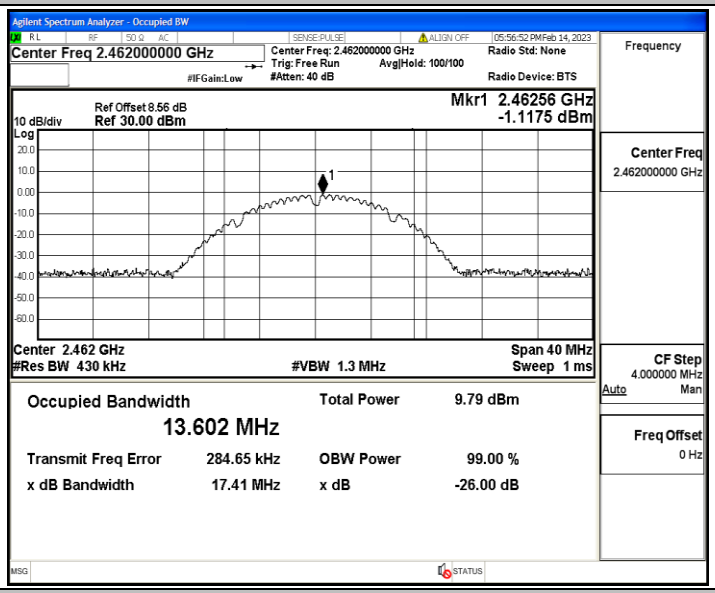
11B_Ant1_2412



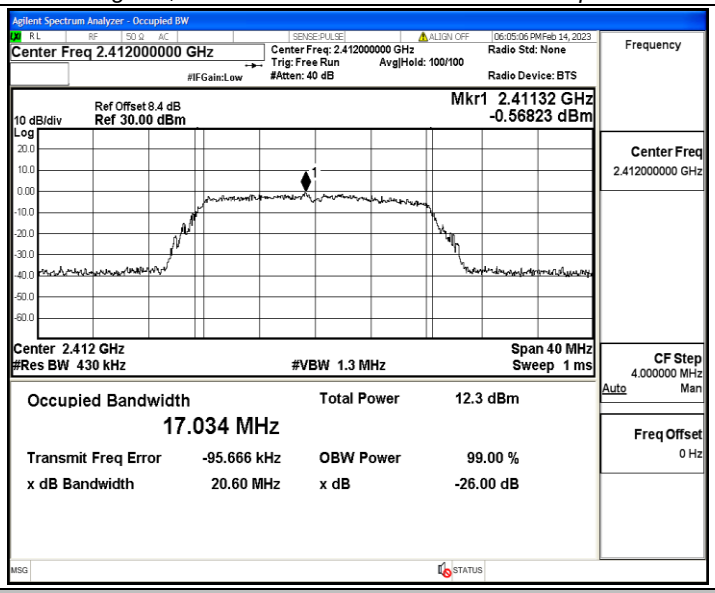
11B_Ant1_2437



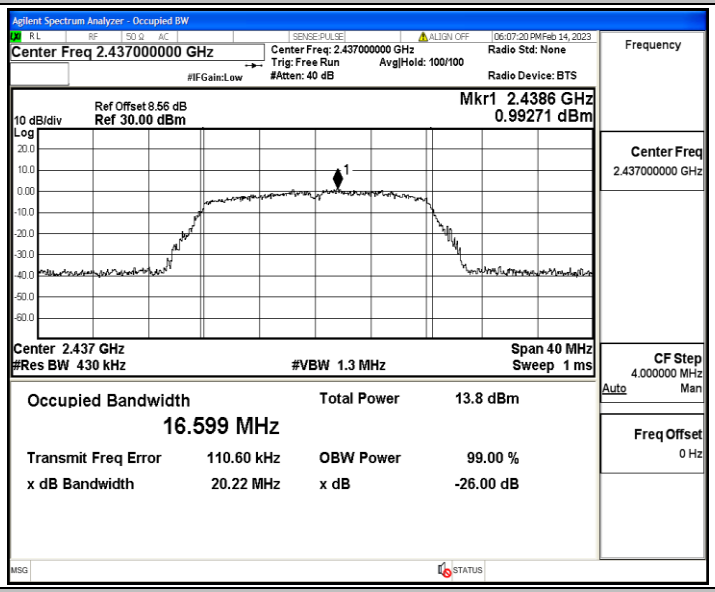
11B_Ant1_2462



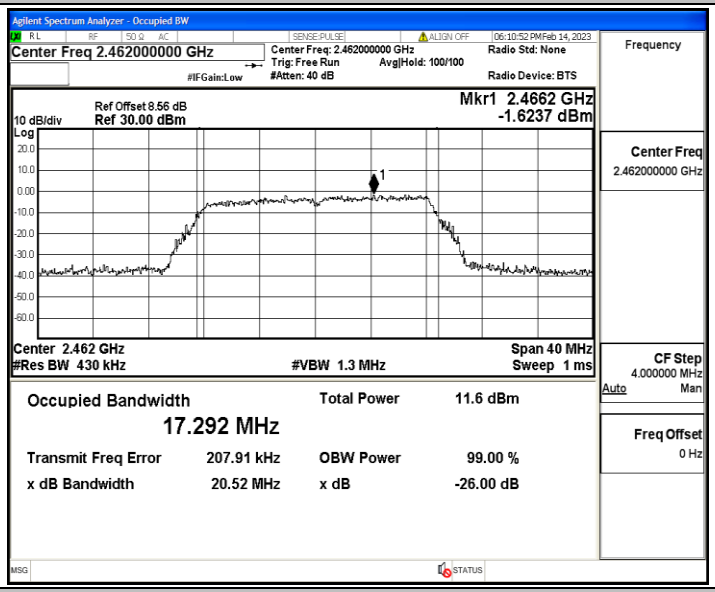
11G_Ant1_2412



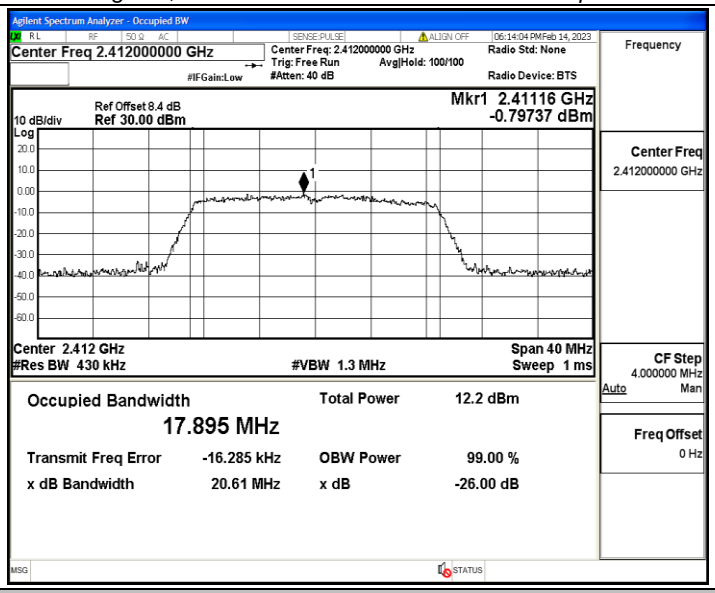
11G_Ant1_2437



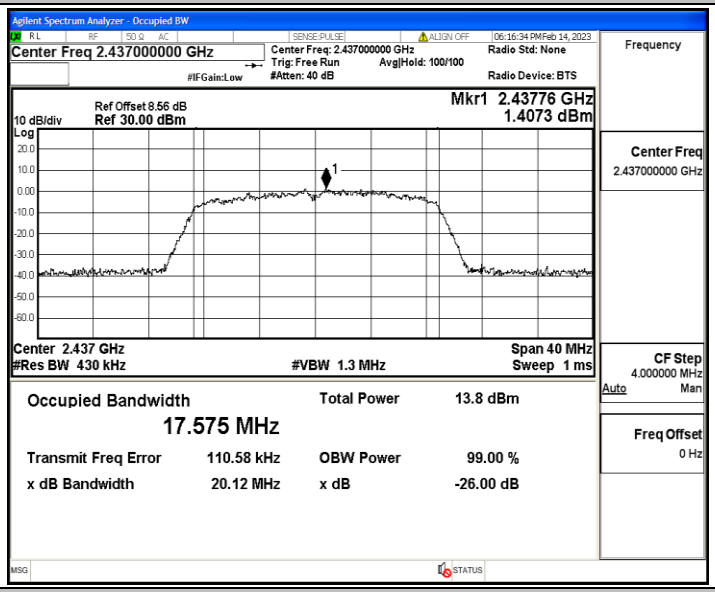
11G_Ant1_2462



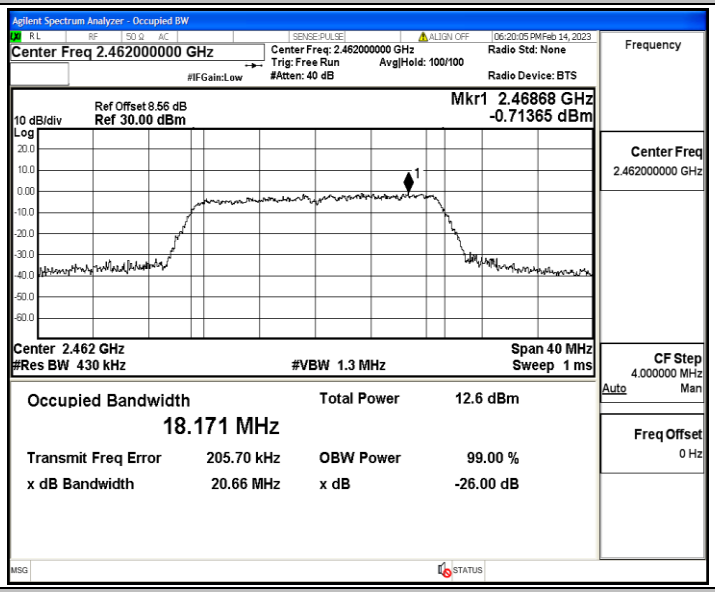
11N20SISO_Ant1_2412



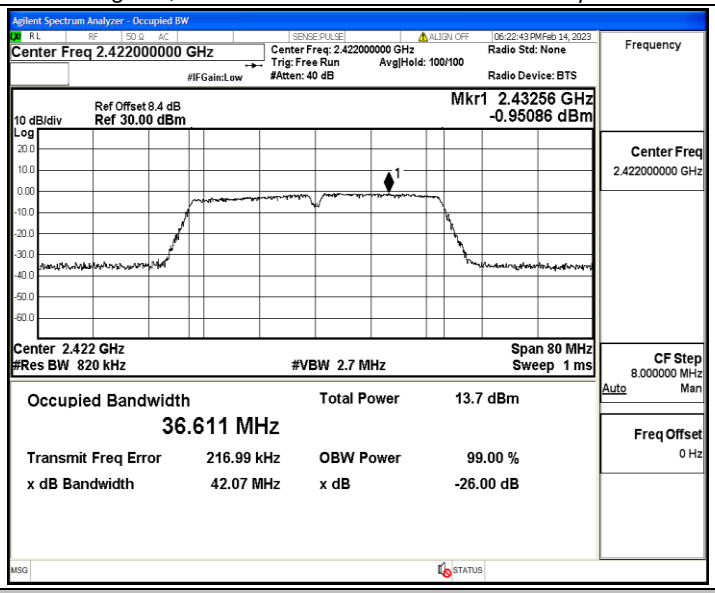
11N20SISO_Ant1_2437



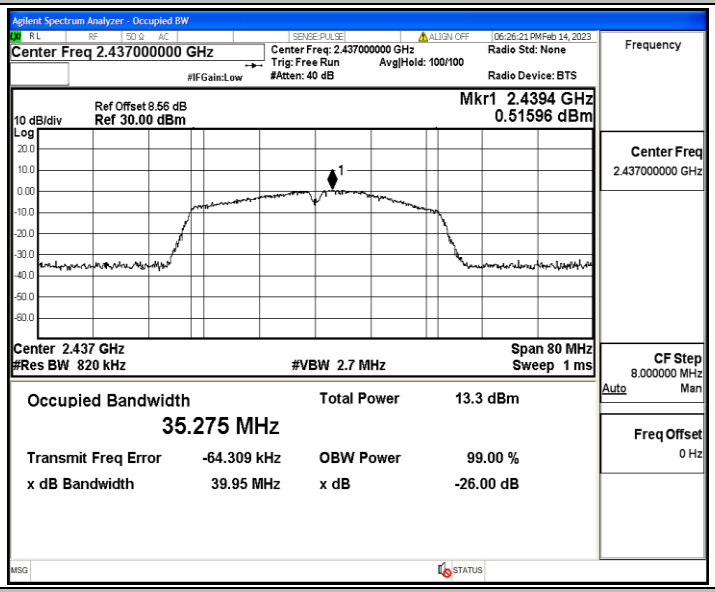
11N20SISO_Ant1_2462



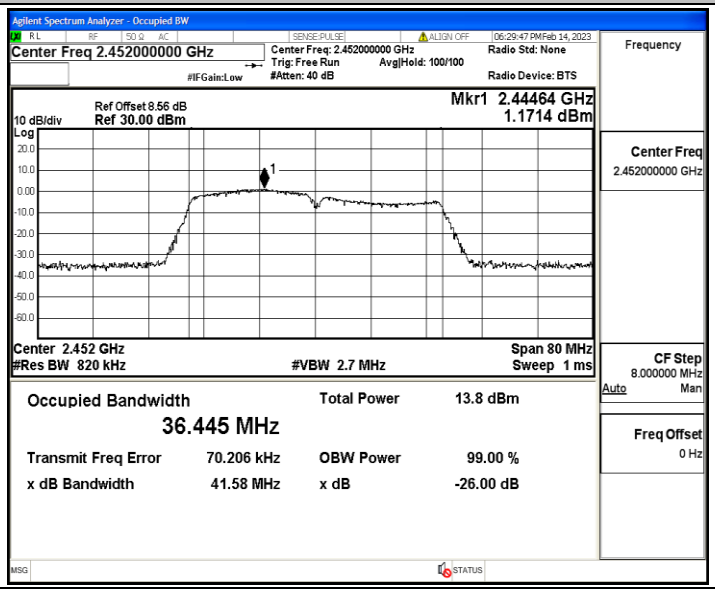
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	6.86	≤30.00	PASS
		2437	7.19	≤30.00	PASS
		2462	6.83	≤30.00	PASS
11G	Ant1	2412	6.26	≤30.00	PASS
		2437	6.82	≤30.00	PASS
		2462	6.52	≤30.00	PASS
11N20SISO	Ant1	2412	6.13	≤30.00	PASS
		2437	6.68	≤30.00	PASS
		2462	6.50	≤30.00	PASS
11N40SISO	Ant1	2422	6.90	≤30.00	PASS
		2437	6.57	≤30.00	PASS
		2452	6.09	≤30.00	PASS

Note：The Duty Cycle Factor is compensated in the test result.

Appendix D: Maximum power spectral density

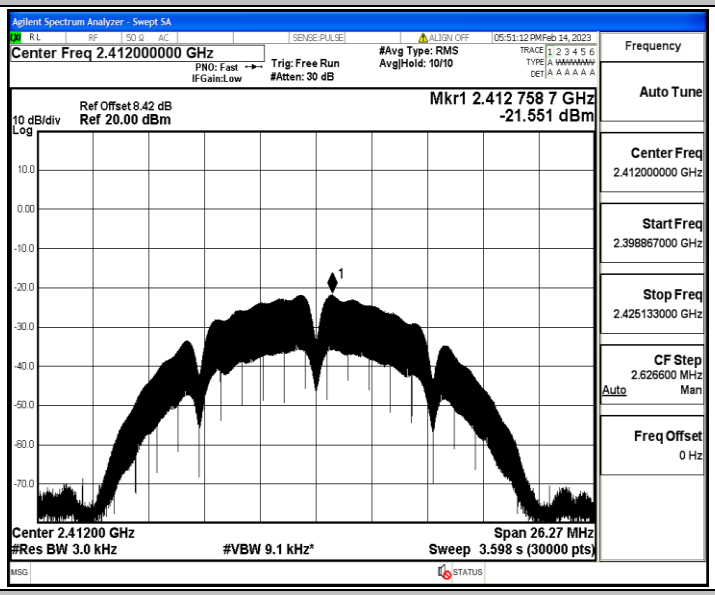
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-21.55	≤8.00	PASS
		2437	-21.17	≤8.00	PASS
		2462	-21.71	≤8.00	PASS
11G	Ant1	2412	-25.89	≤8.00	PASS
		2437	-23.83	≤8.00	PASS
		2462	-24.88	≤8.00	PASS
11N20SISO	Ant1	2412	-24.66	≤8.00	PASS
		2437	-24.17	≤8.00	PASS
		2462	-24.98	≤8.00	PASS
11N40SISO	Ant1	2422	-26.71	≤8.00	PASS
		2437	-25.85	≤8.00	PASS
		2452	-26.01	≤8.00	PASS

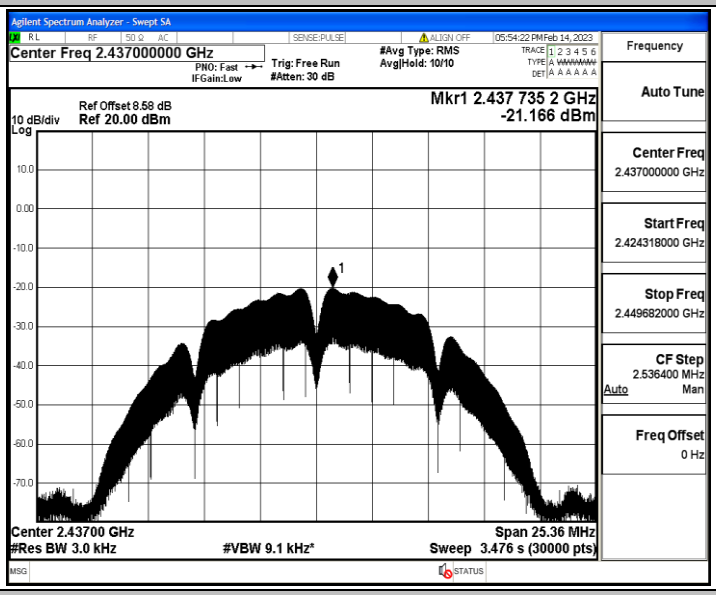
Note：The Duty Cycle Factor is compensated in the test result.

Test Graphs

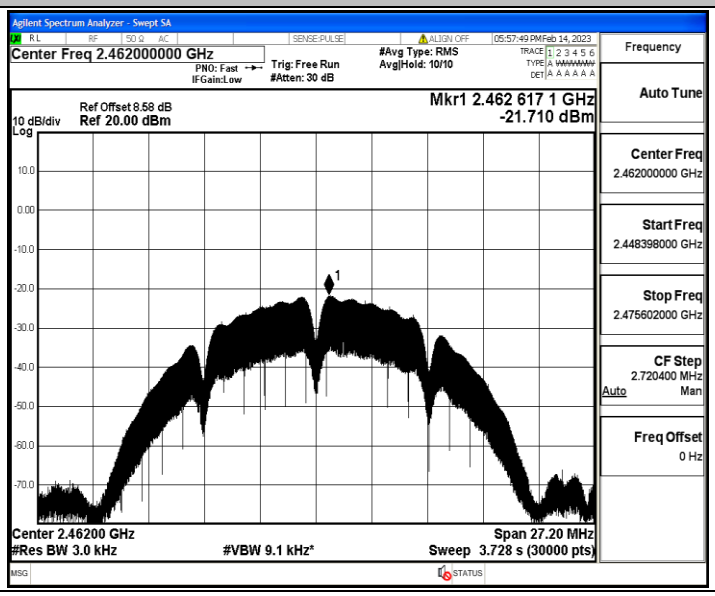
11B_Ant1_2412



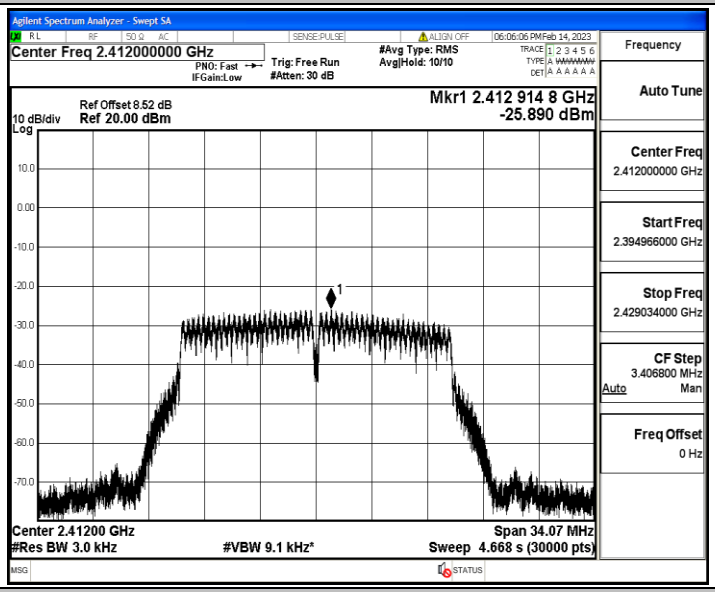
11B_Ant1_2437



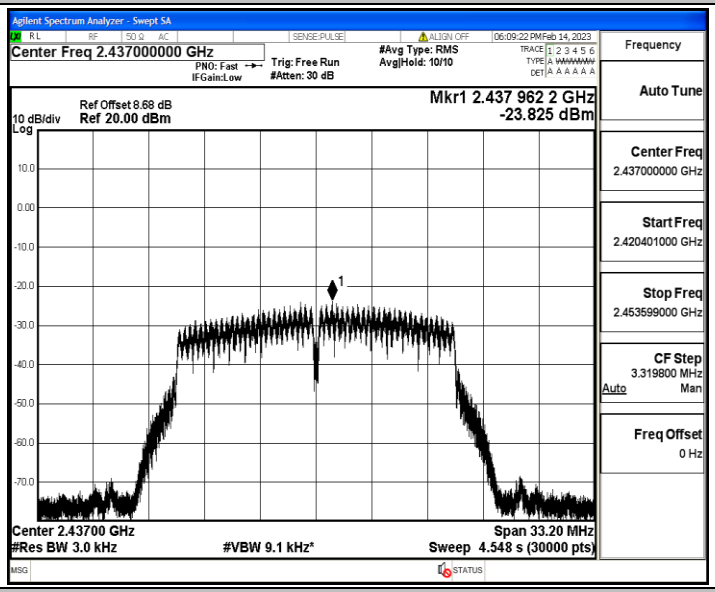
11B_Ant1_2462



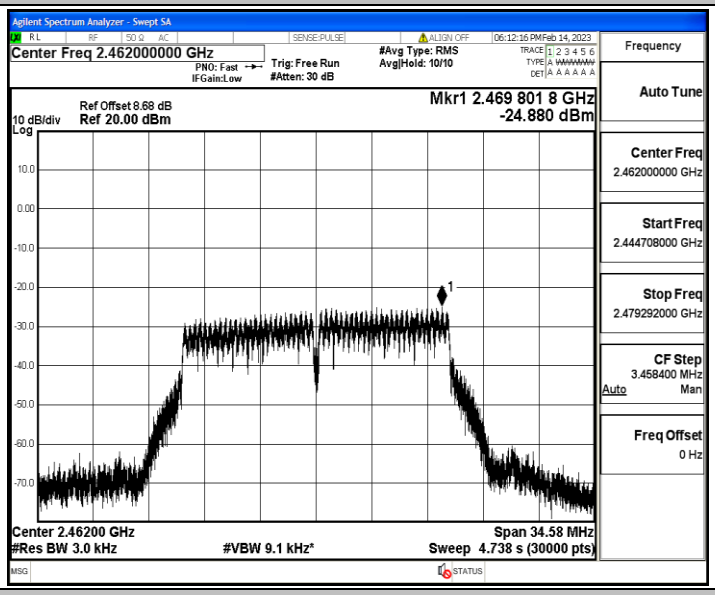
11G_Ant1_2412



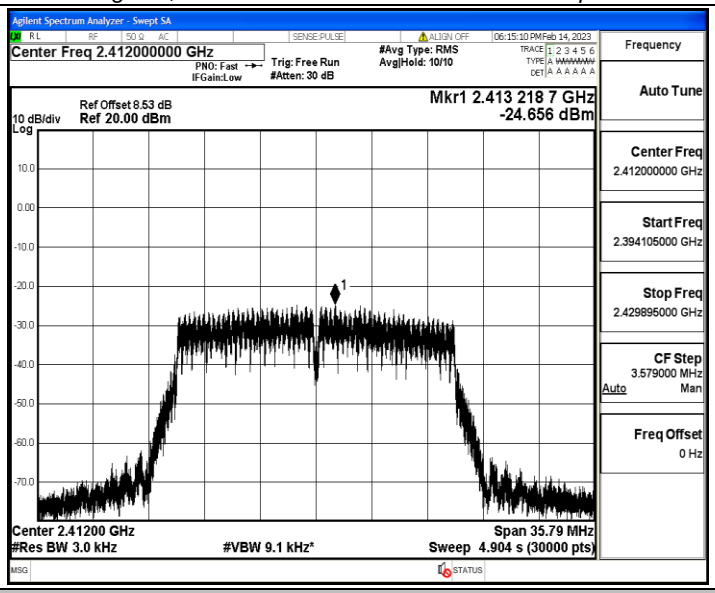
11G_Ant1_2437



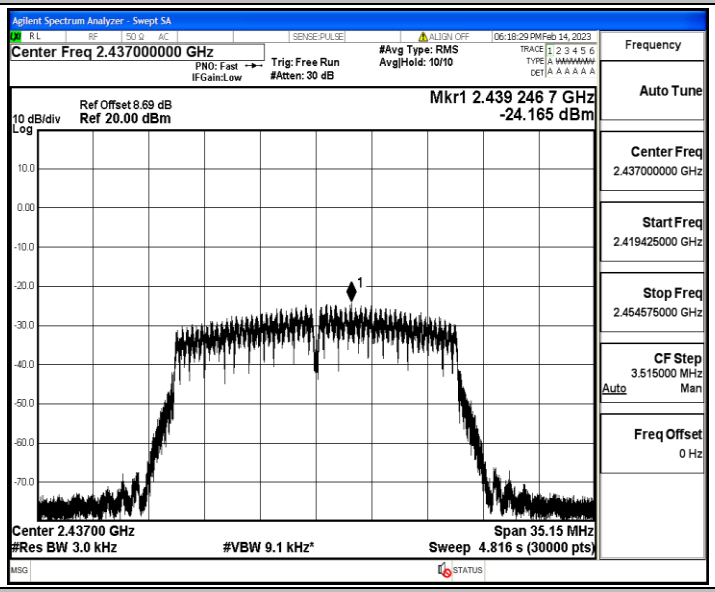
11G_Ant1_2462



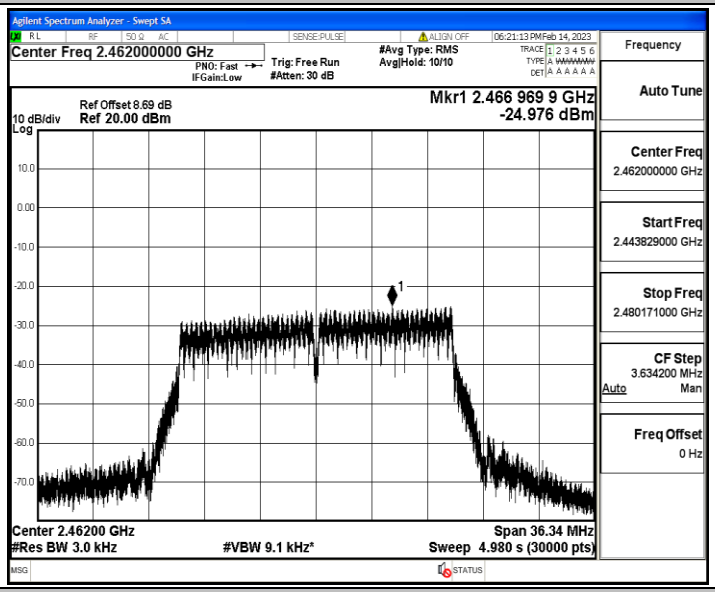
11N20SISO_Ant1_2412



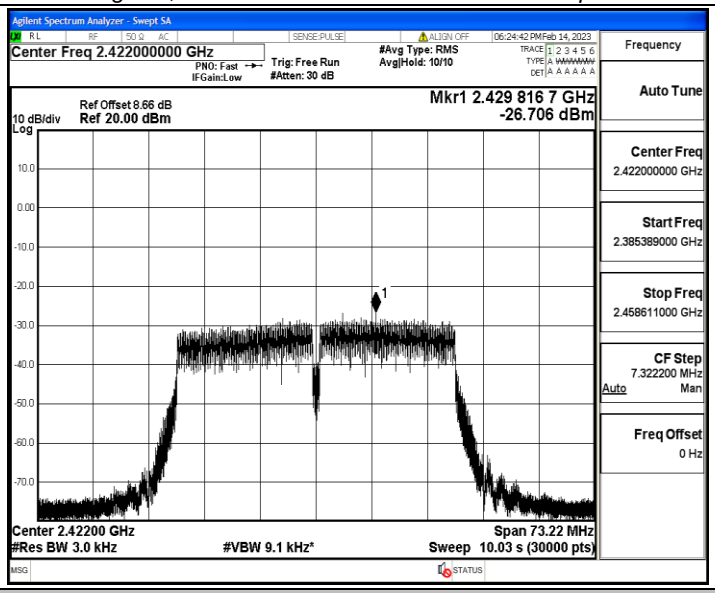
11N20SISO_Ant1_2437



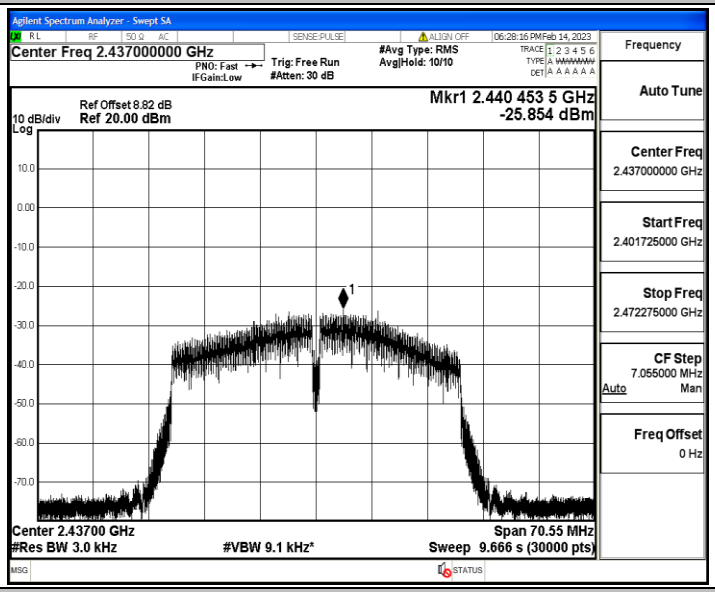
11N20SISO_Ant1_2462



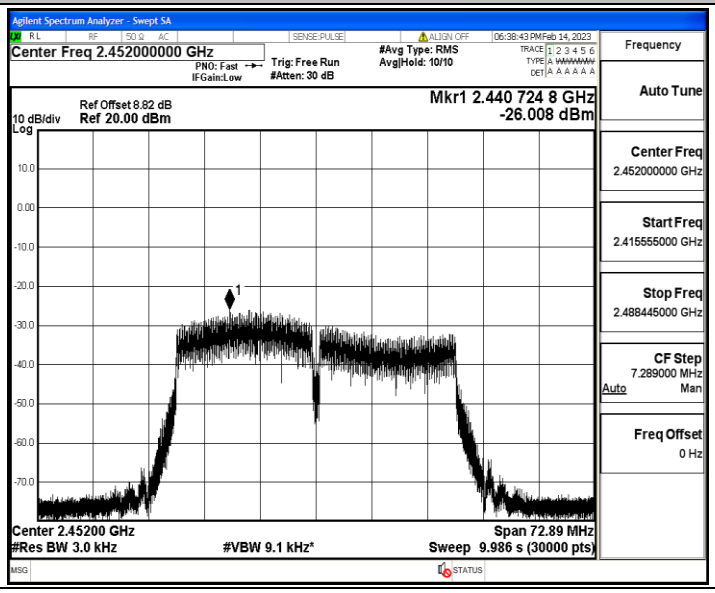
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



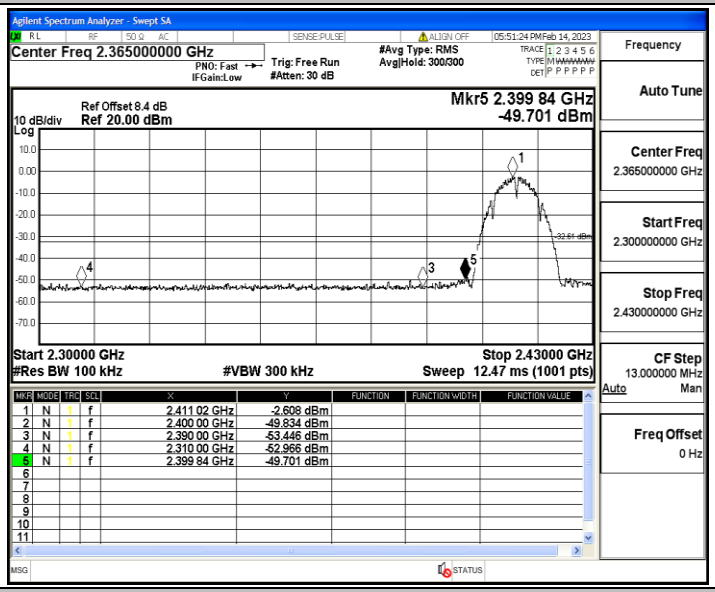
Appendix E: Band edge measurements

Test Result

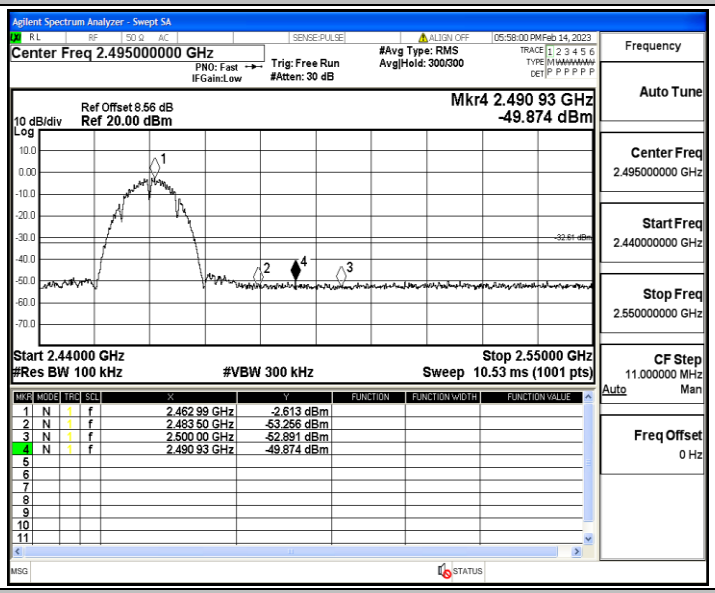
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-2.61	-49.7	≤-32.61	PASS
		High	2462	-2.61	-49.87	≤-32.61	PASS
11G	Ant1	Low	2412	-3.88	-44.52	≤-33.88	PASS
		High	2462	-4.04	-49.52	≤-34.04	PASS
11N20SISO	Ant1	Low	2412	-4.31	-44.6	≤-34.31	PASS
		High	2462	-3.65	-49.89	≤-33.65	PASS
11N40SISO	Ant1	Low	2422	-6.58	-44.03	≤-36.58	PASS
		High	2452	-5.22	-49.54	≤-35.22	PASS

Test Graphs

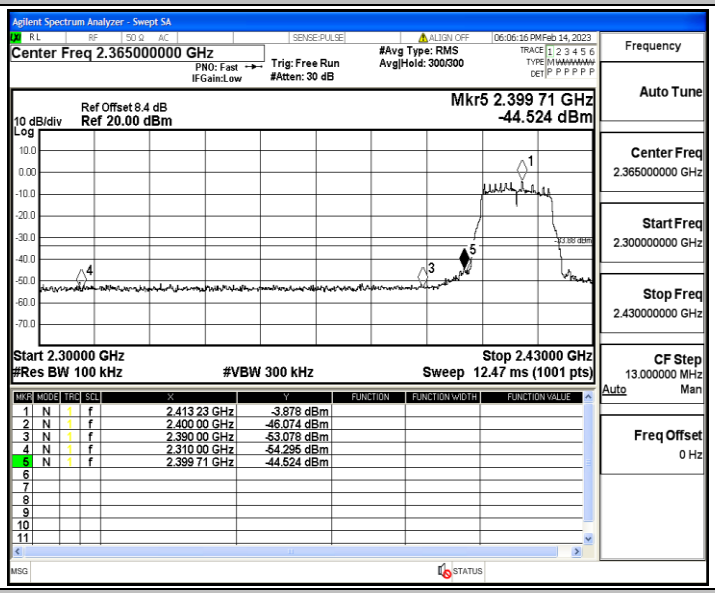
11B_Ant1_Low_2412



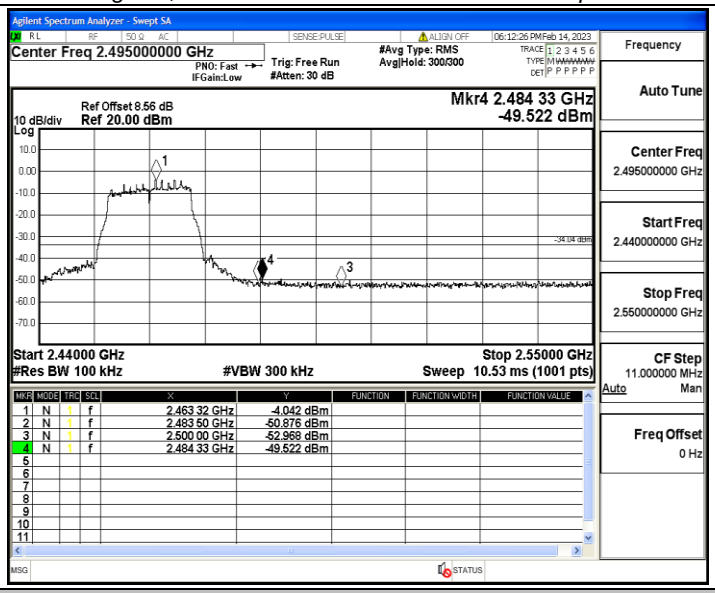
11B_Ant1_High_2462



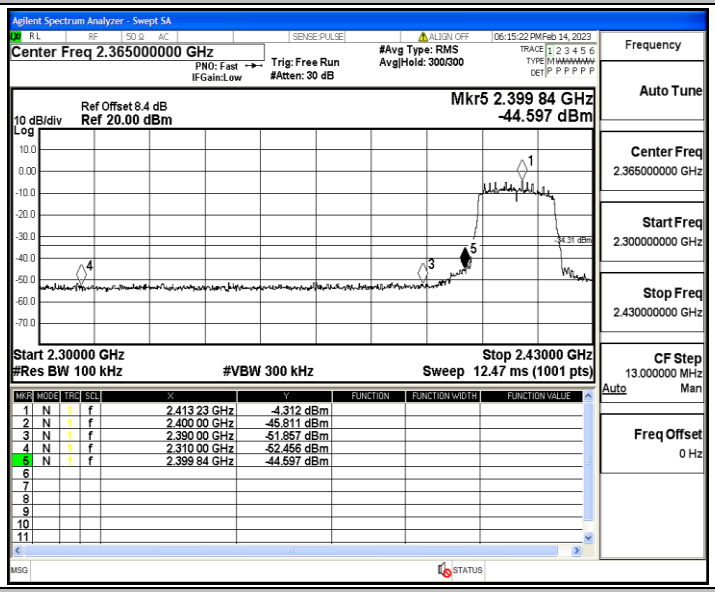
11G_Ant1_Low_2412



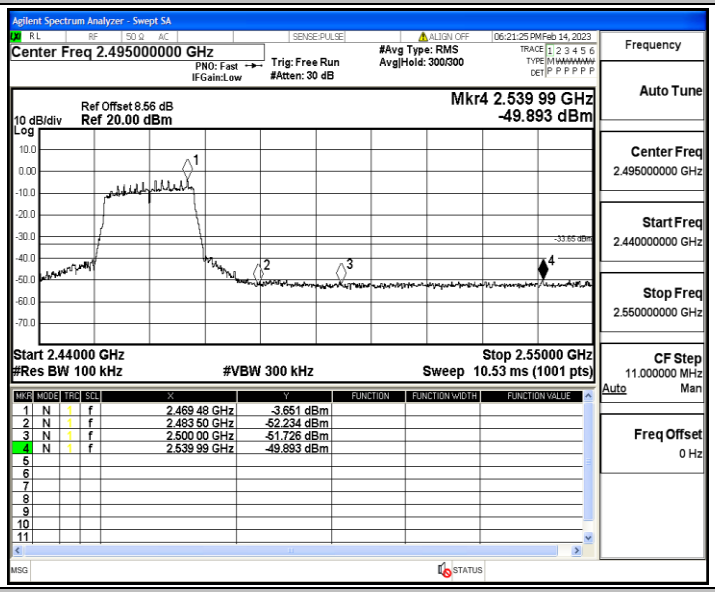
11G_Ant1_High_2462



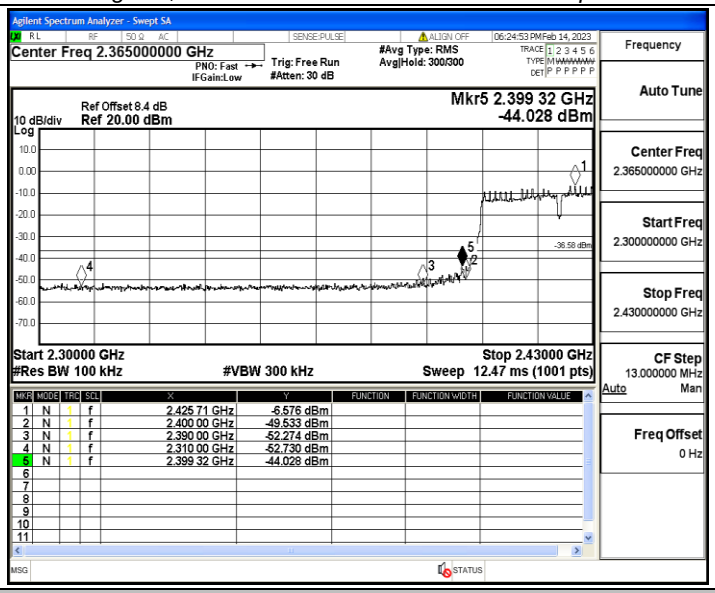
11N20SISO_Ant1_Low_2412



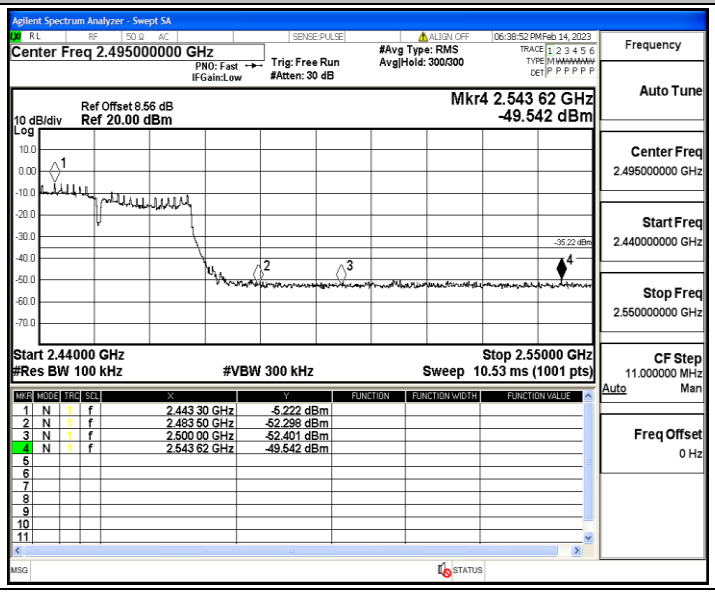
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



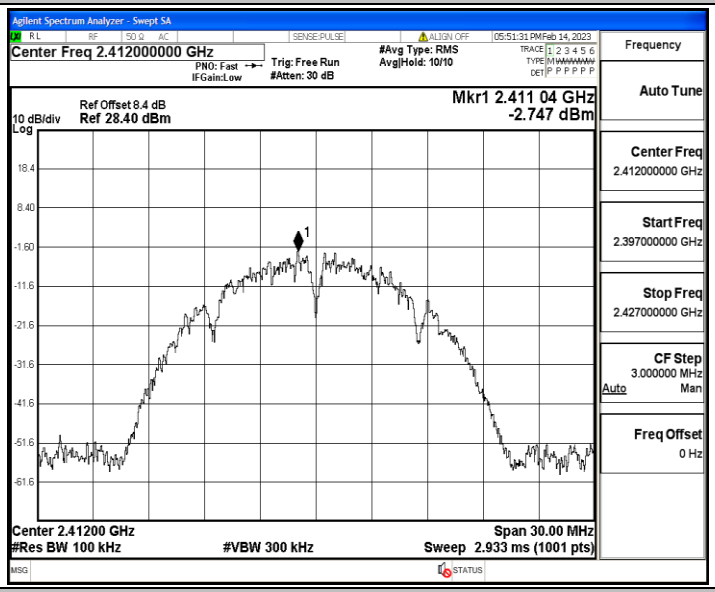
Appendix F: Conducted Spurious Emission

Test Result

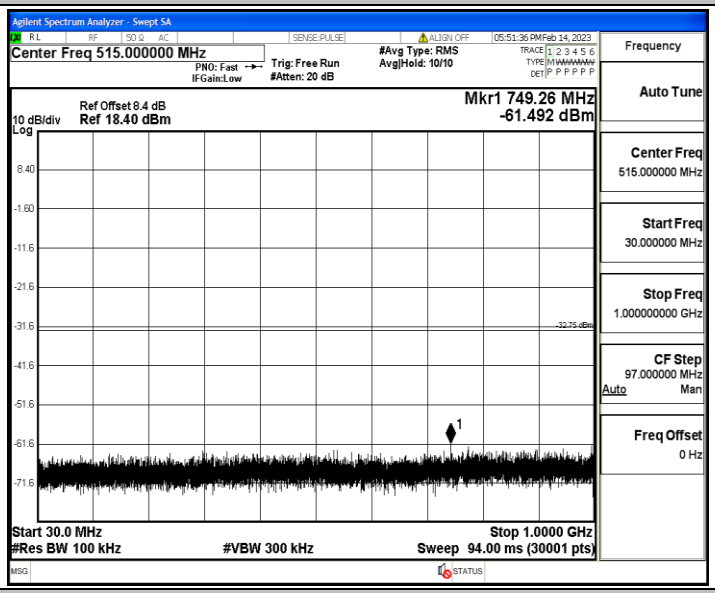
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-2.75	-2.75	---	PASS
			30~1000	-2.75	-61.49	≤-32.75	PASS
			1000~26500	-2.75	-52.84	≤-32.75	PASS
		2437	Reference	-1.22	-1.22	---	PASS
			30~1000	-1.22	-62.12	≤-31.22	PASS
			1000~26500	-1.22	-51.96	≤-31.22	PASS
		2462	Reference	-3.38	-3.38	---	PASS
			30~1000	-3.38	-61.86	≤-33.38	PASS
			1000~26500	-3.38	-52.66	≤-33.38	PASS
11G	Ant1	2412	Reference	-8.08	-8.08	---	PASS
			30~1000	-8.08	-61.9	≤-38.08	PASS
			1000~26500	-8.08	-52.86	≤-38.08	PASS
		2437	Reference	-6.06	-6.06	---	PASS
			30~1000	-6.06	-62.04	≤-36.06	PASS
			1000~26500	-6.06	-52.54	≤-36.06	PASS
		2462	Reference	-5.32	-5.32	---	PASS
			30~1000	-5.32	-61.84	≤-35.32	PASS
			1000~26500	-5.32	-50.05	≤-35.32	PASS
11N20SISO	Ant1	2412	Reference	-7.95	-7.95	---	PASS
			30~1000	-7.95	-62.64	≤-37.95	PASS
			1000~26500	-7.95	-52.56	≤-37.95	PASS
		2437	Reference	-7.22	-7.22	---	PASS
			30~1000	-7.22	-61.93	≤-37.22	PASS
			1000~26500	-7.22	-50.46	≤-37.22	PASS
		2462	Reference	-7.74	-7.74	---	PASS
			30~1000	-7.74	-61.42	≤-37.74	PASS
			1000~26500	-7.74	-51.68	≤-37.74	PASS
11N40SISO	Ant1	2422	Reference	-6.80	-6.80	---	PASS
			30~1000	-6.80	-61.48	≤-36.8	PASS
			1000~26500	-6.80	-51.48	≤-36.8	PASS
		2437	Reference	-6.60	-6.60	---	PASS
			30~1000	-6.60	-61.69	≤-36.6	PASS
			1000~26500	-6.60	-51.55	≤-36.6	PASS
		2452	Reference	-8.54	-8.54	---	PASS
			30~1000	-8.54	-61.31	≤-38.54	PASS
			1000~26500	-8.54	-51.71	≤-38.54	PASS

Test Graphs

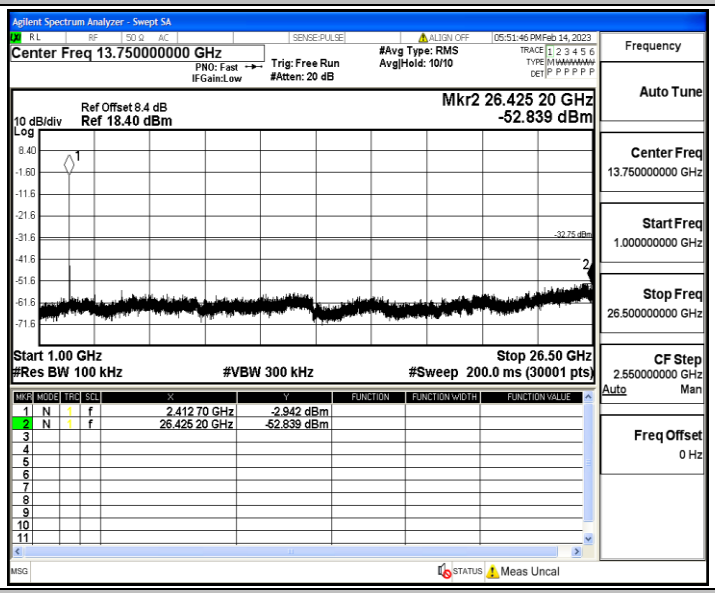
11B_Ant1_2412_0~Reference



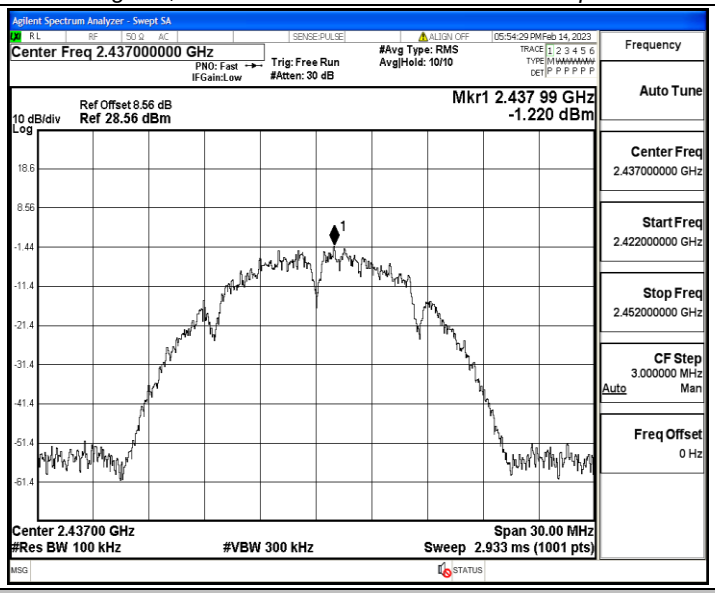
11B_Ant1_2412_30~1000



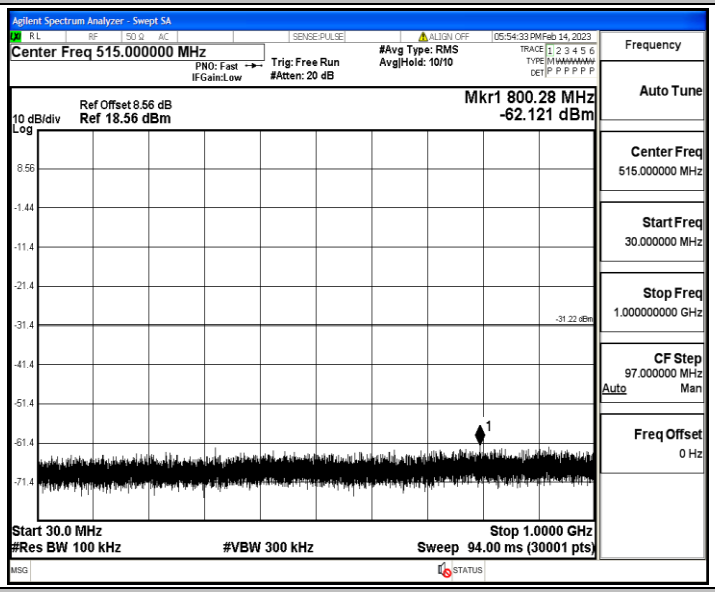
11B_Ant1_2412_1000~26500



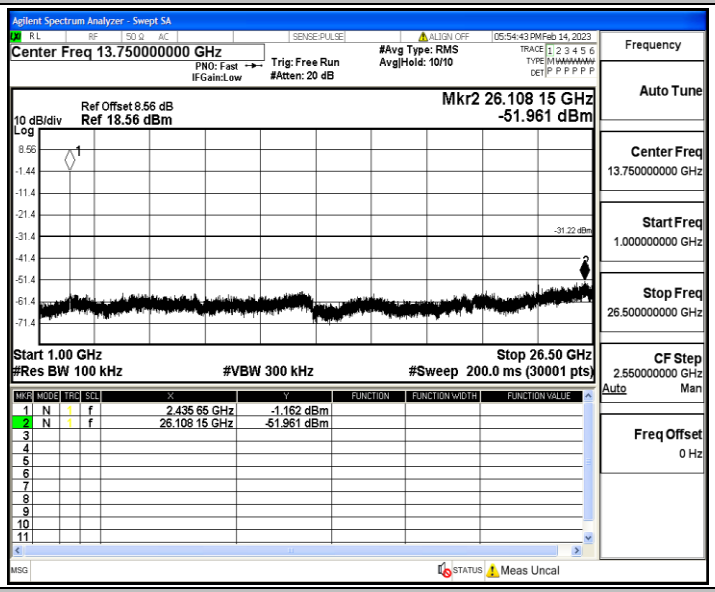
11B_Ant1_2437_0~Reference



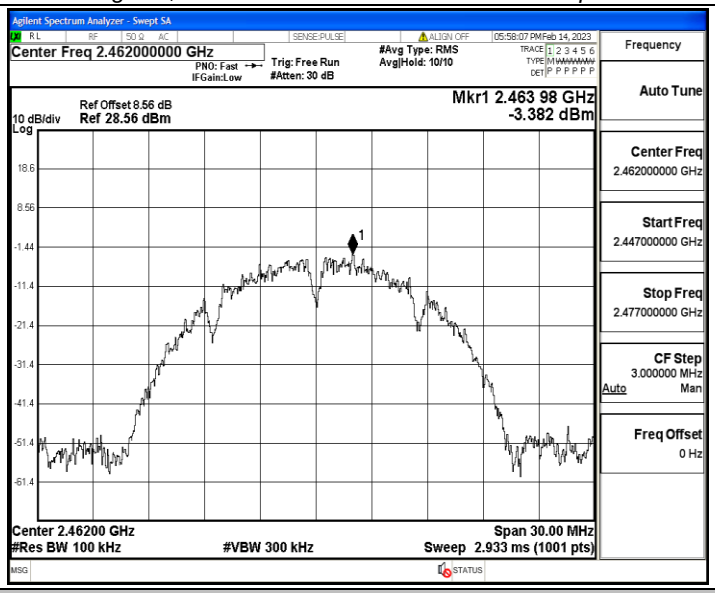
11B_Ant1_2437_30~1000



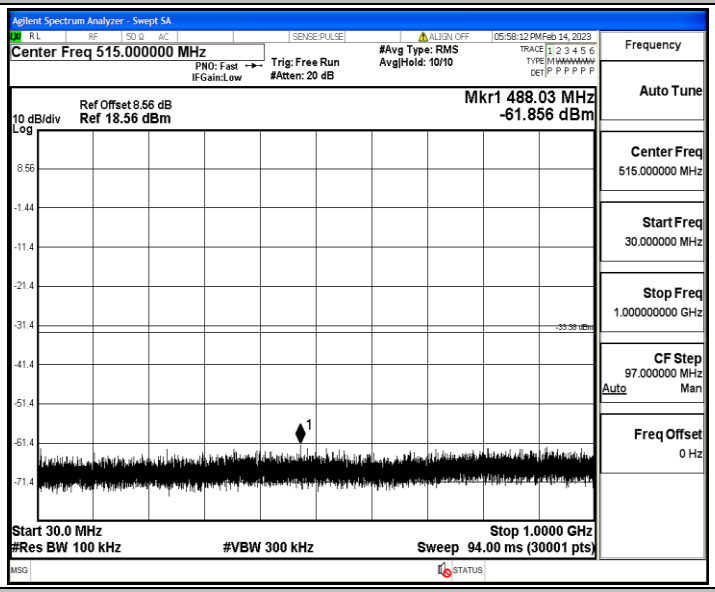
11B_Ant1_2437_1000~26500



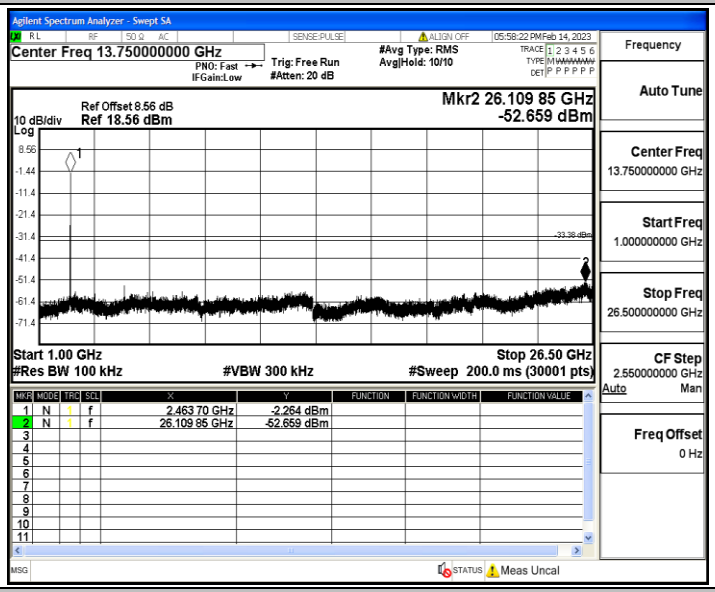
11B_Ant1_2462_0~Reference



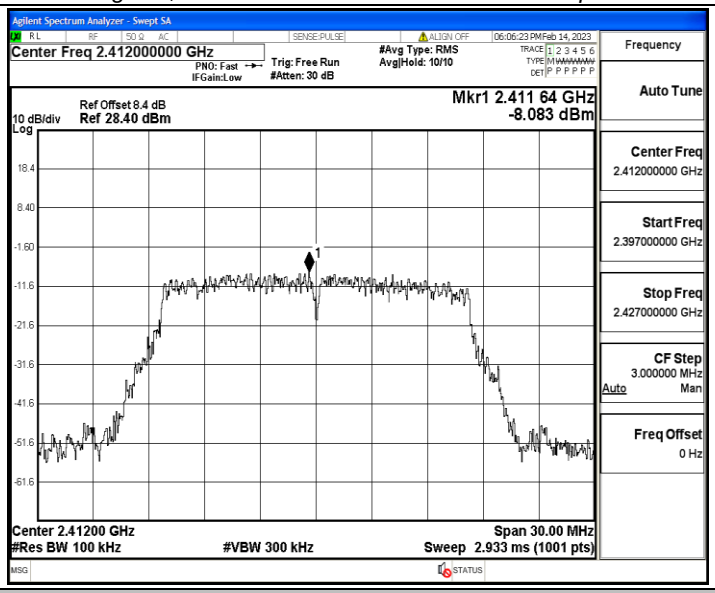
11B_Ant1_2462_30~1000



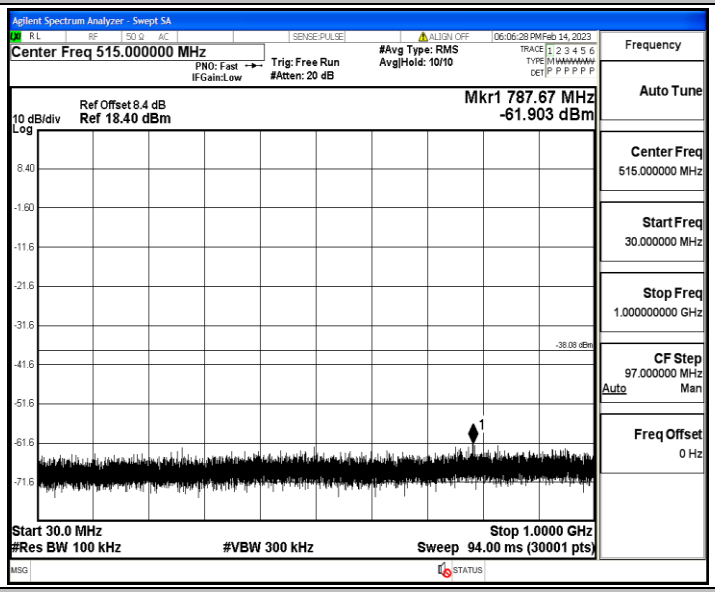
11B_Ant1_2462_1000~26500



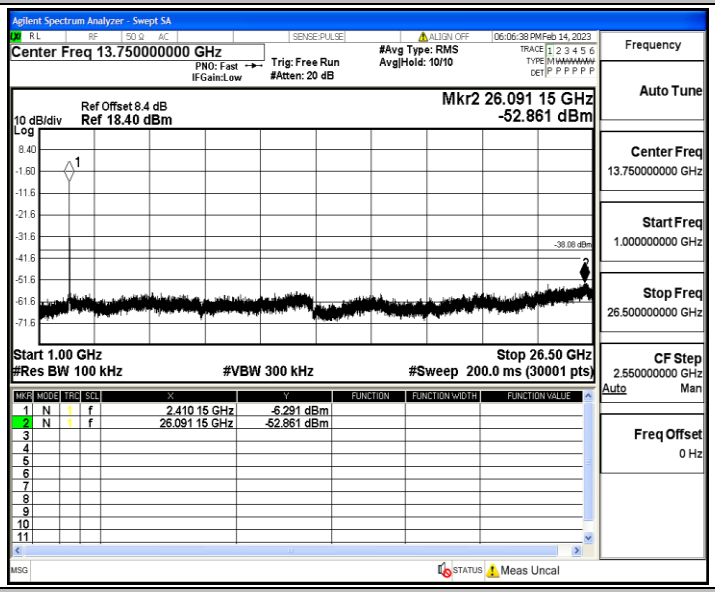
11G_Ant1_2412_0~Reference



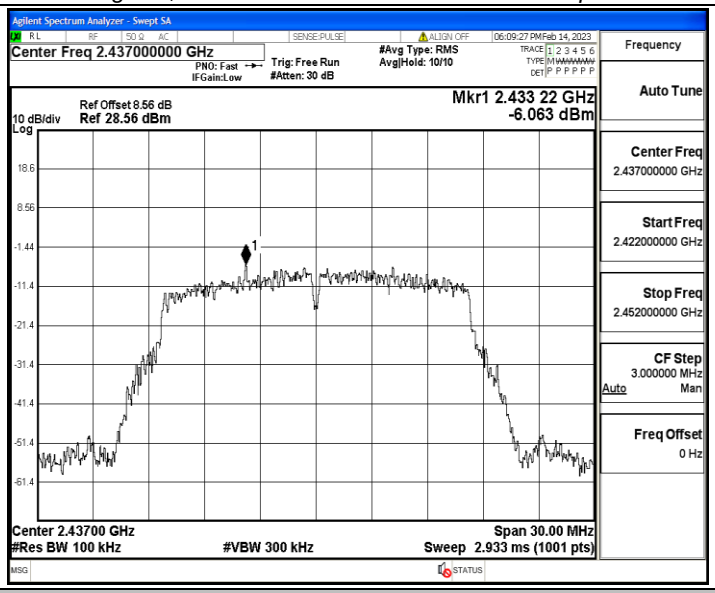
11G_Ant1_2412_30~1000



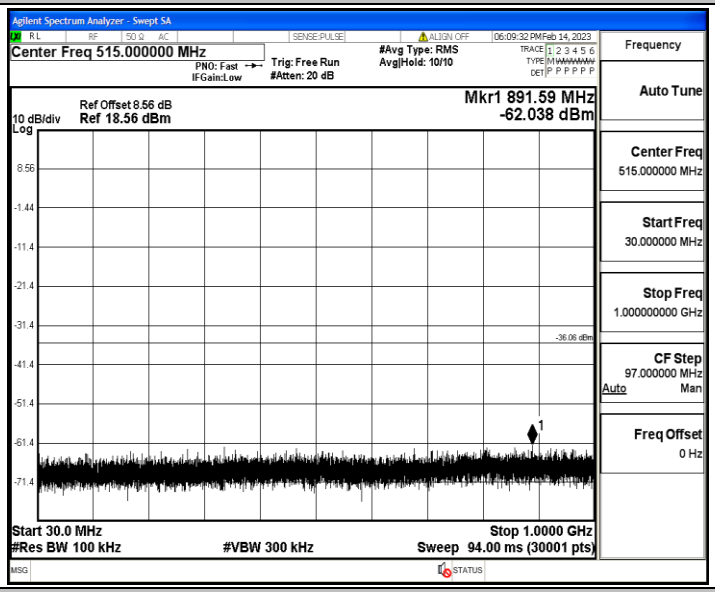
11G_Ant1_2412_1000~26500



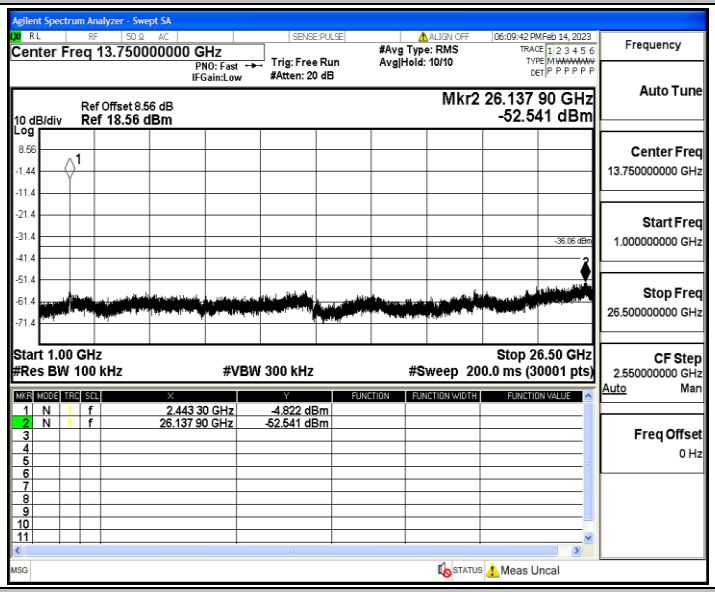
11G_Ant1_2437_0~Reference



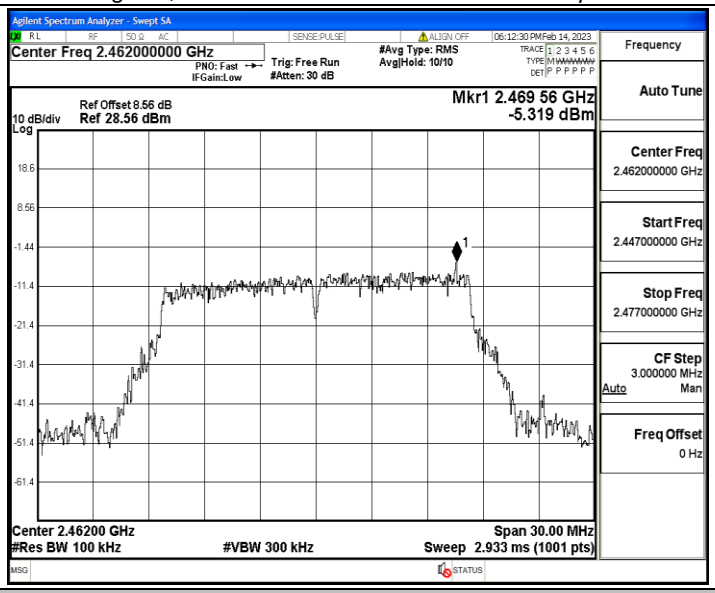
11G_Ant1_2437_30~1000



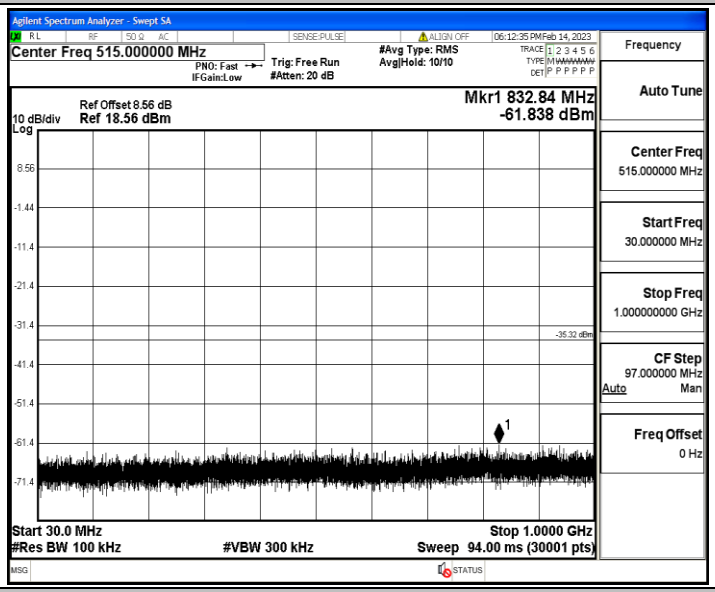
11G_Ant1_2437_1000~26500



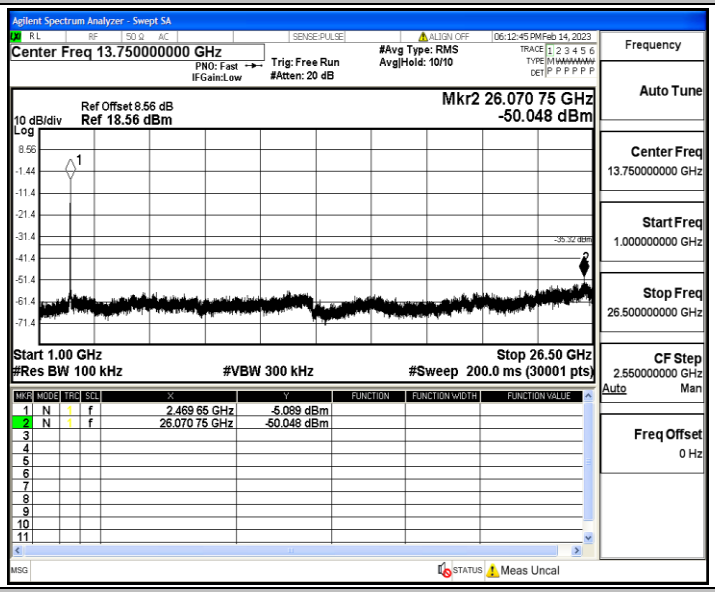
11G_Ant1_2462_0~Reference



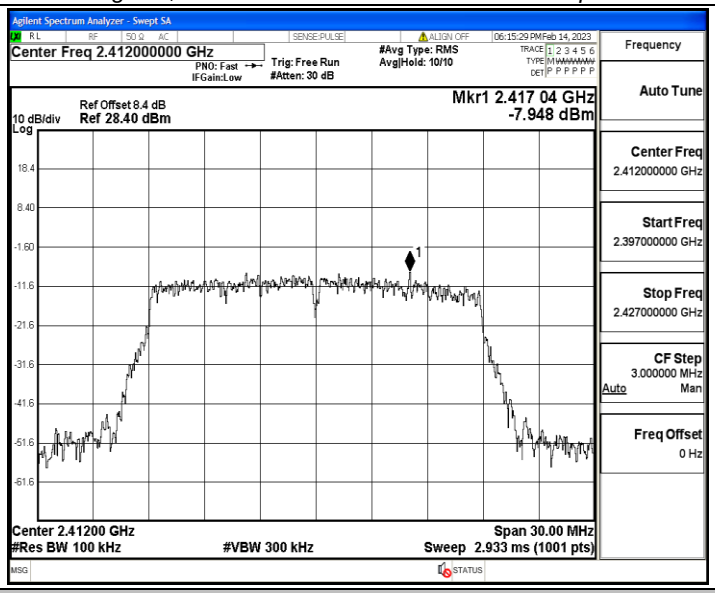
11G_Ant1_2462_30~1000



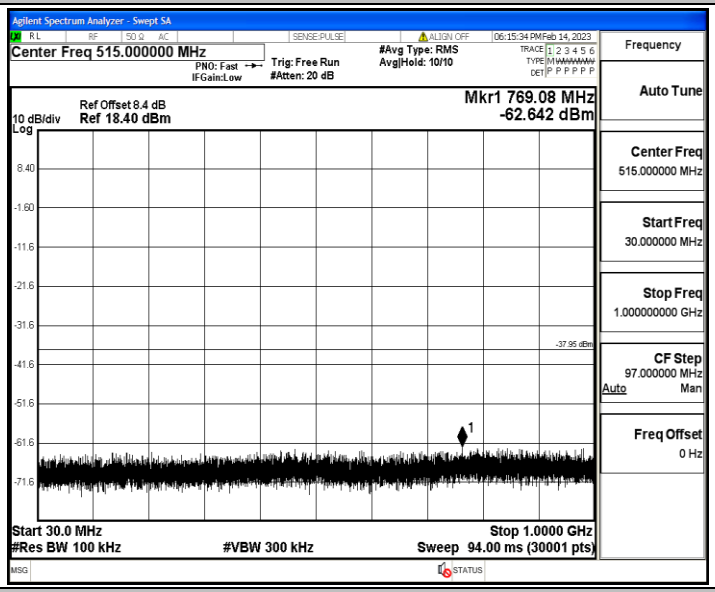
11G_Ant1_2462_1000~26500



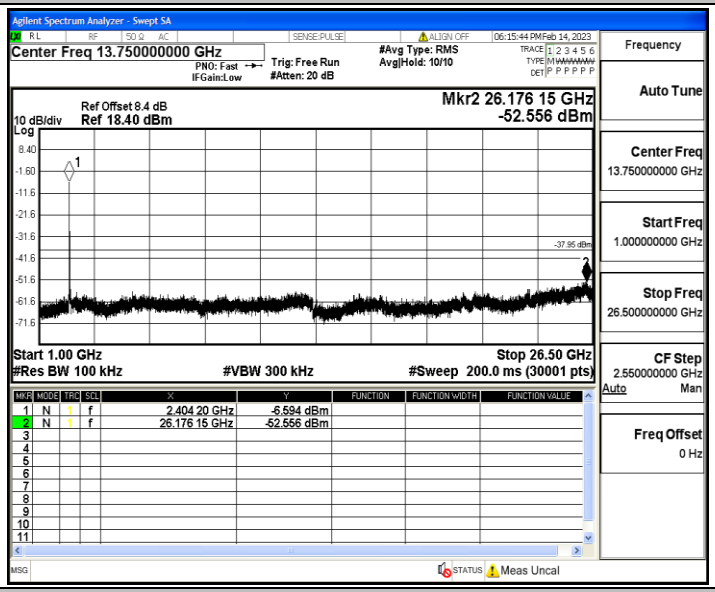
11N20SISO_Ant1_2412_0~Reference



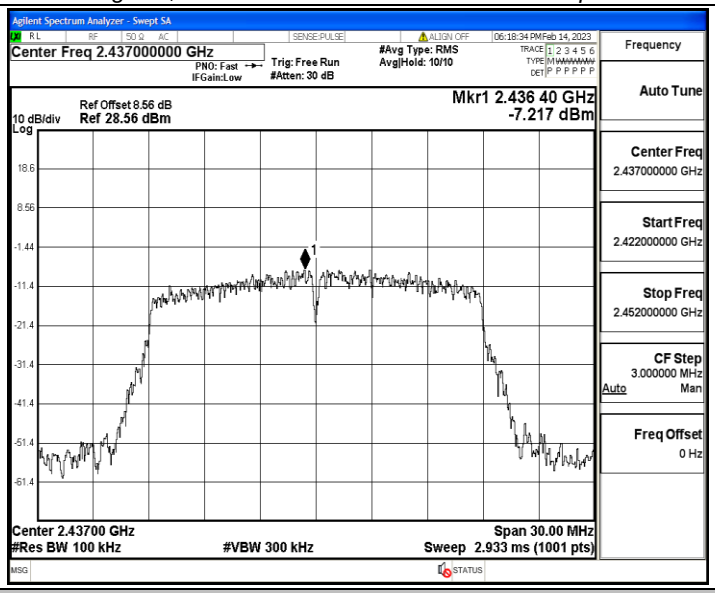
11N20SISO_Ant1_2412_30~1000



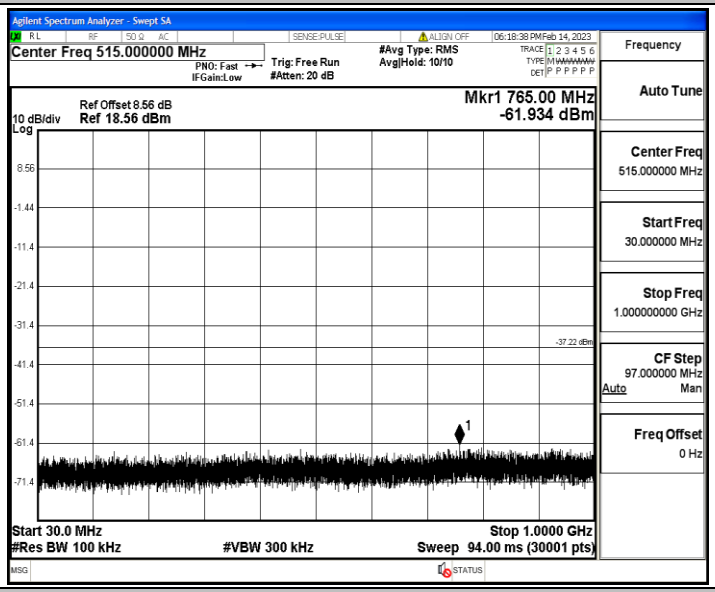
11N20SISO_Ant1_2412_1000~26500



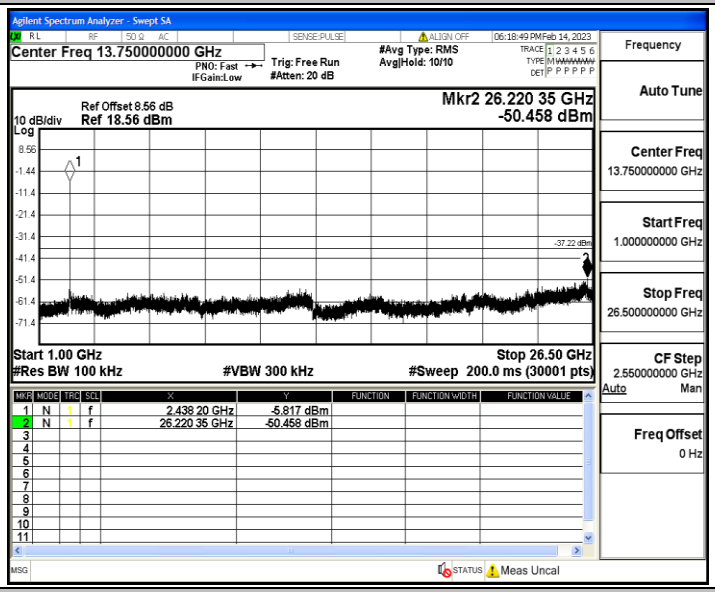
11N20SISO_Ant1_2437_0~Reference



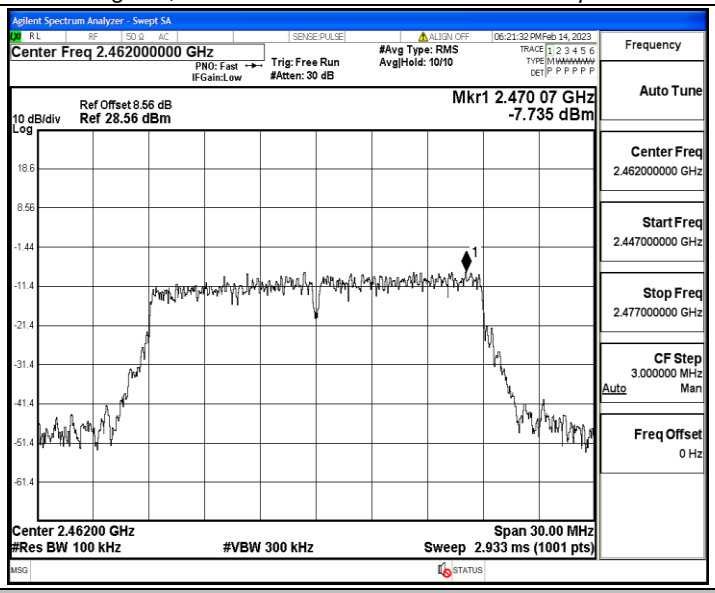
11N20SISO_Ant1_2437_30~1000



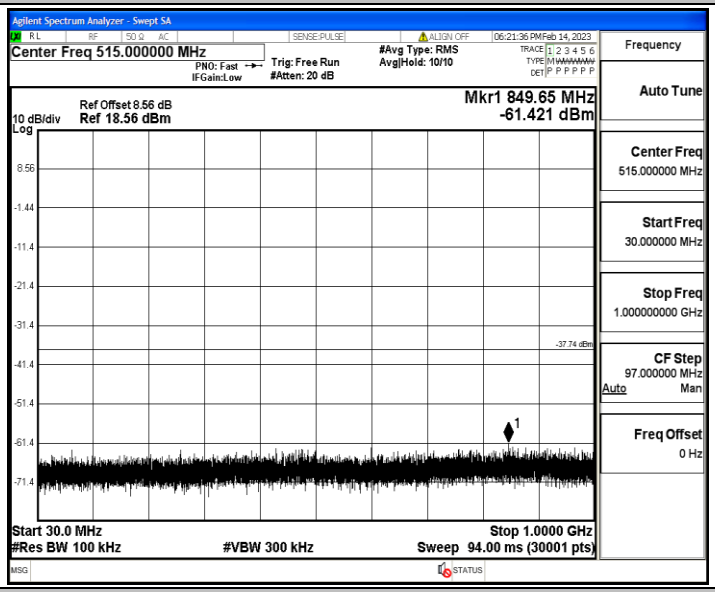
11N20SISO_Ant1_2437_1000~26500



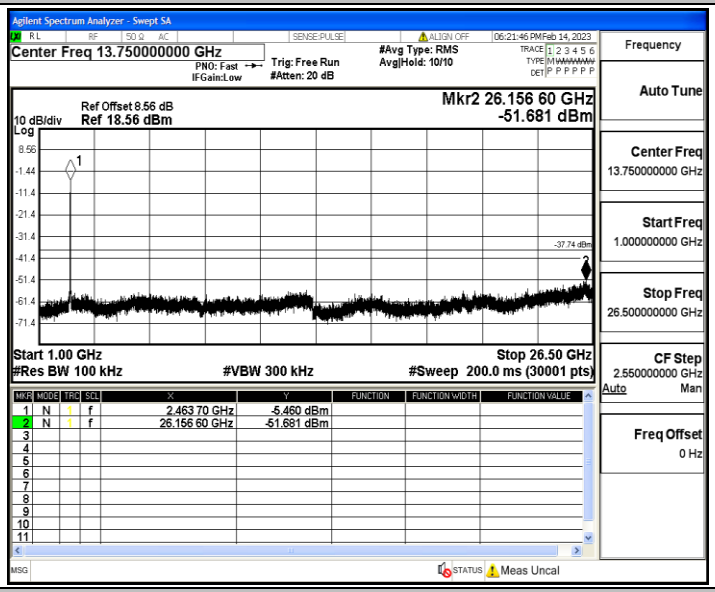
11N20SISO_Ant1_2462_0~Reference



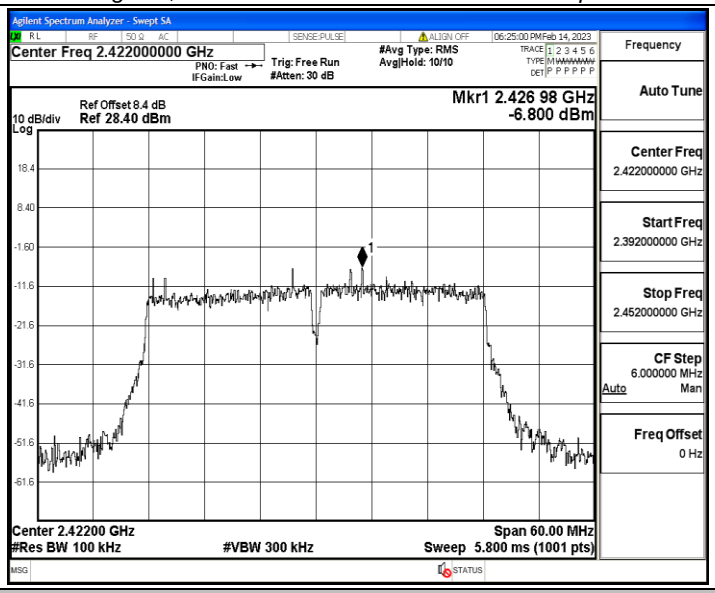
11N20SISO_Ant1_2462_30~1000



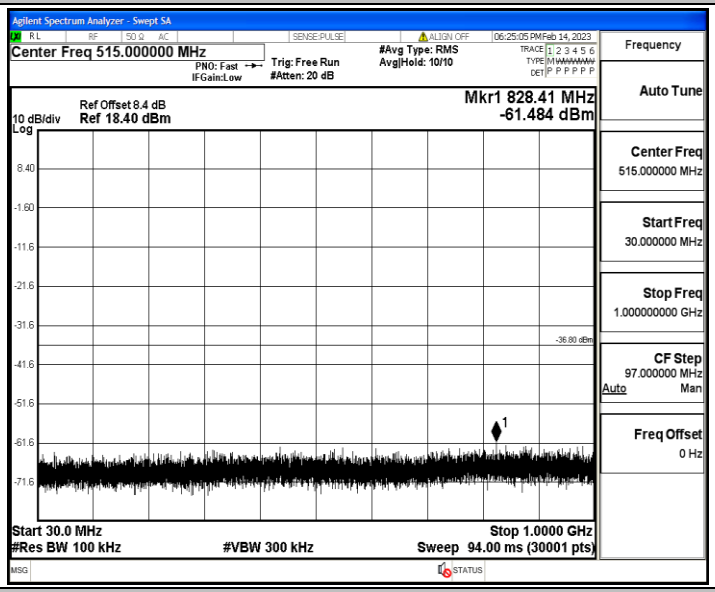
11N20SISO_Ant1_2462_1000~26500



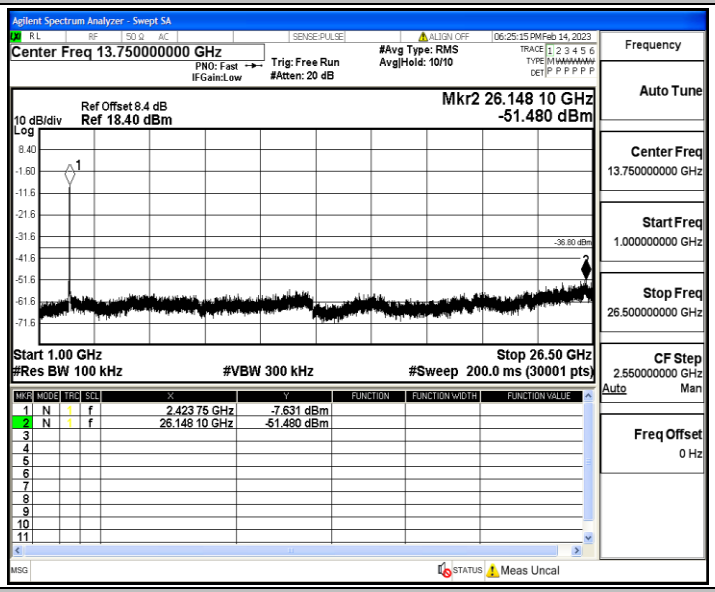
11N40SISO_Ant1_2422_0~Reference



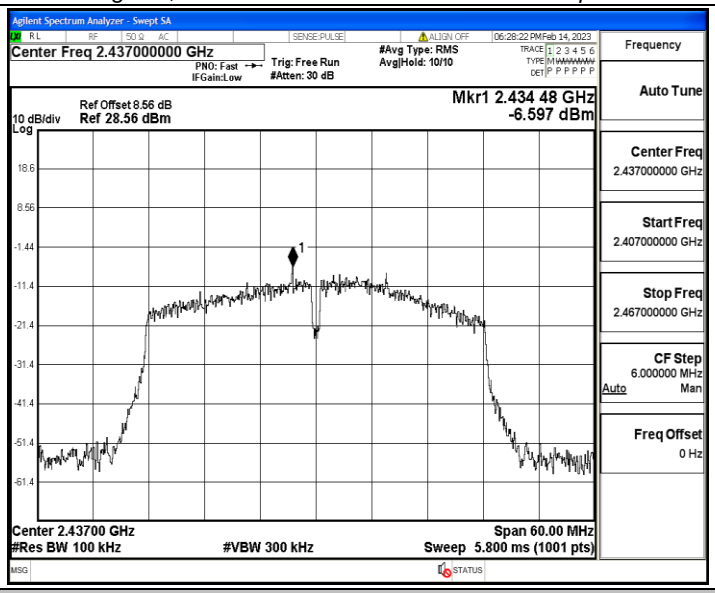
11N40SISO_Ant1_2422_30~1000



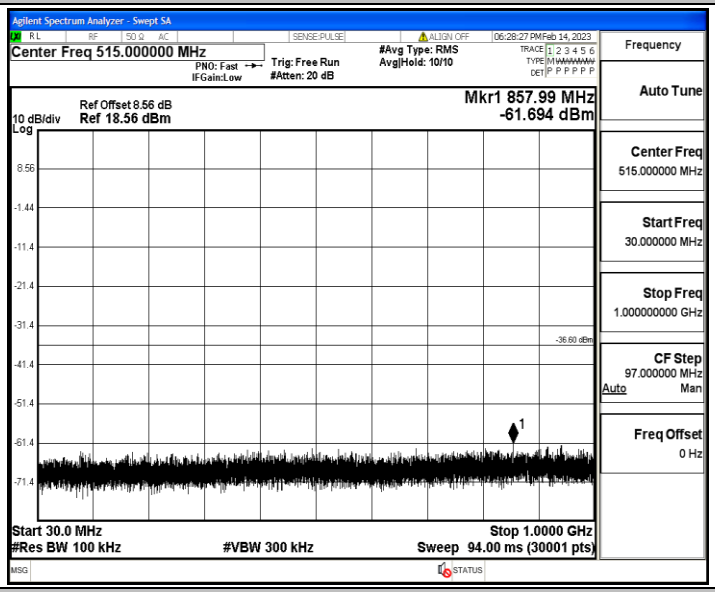
11N40SISO_Ant1_2422_1000~26500



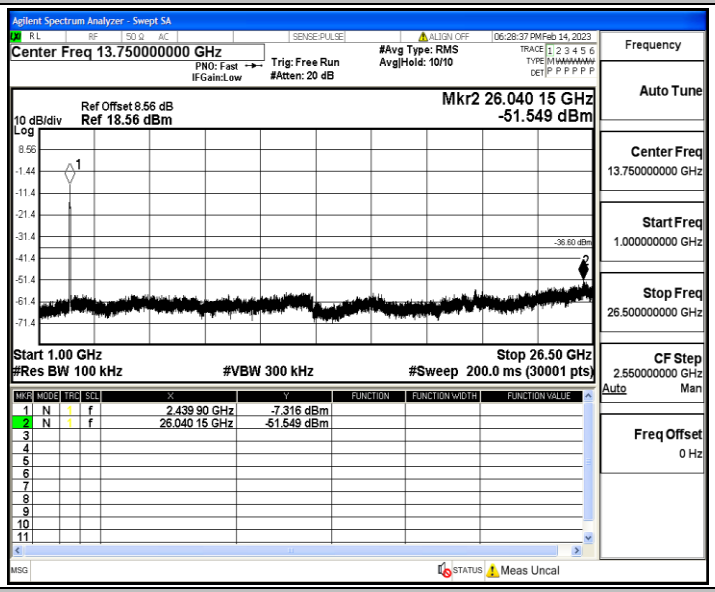
11N40SISO_Ant1_2437_0~Reference



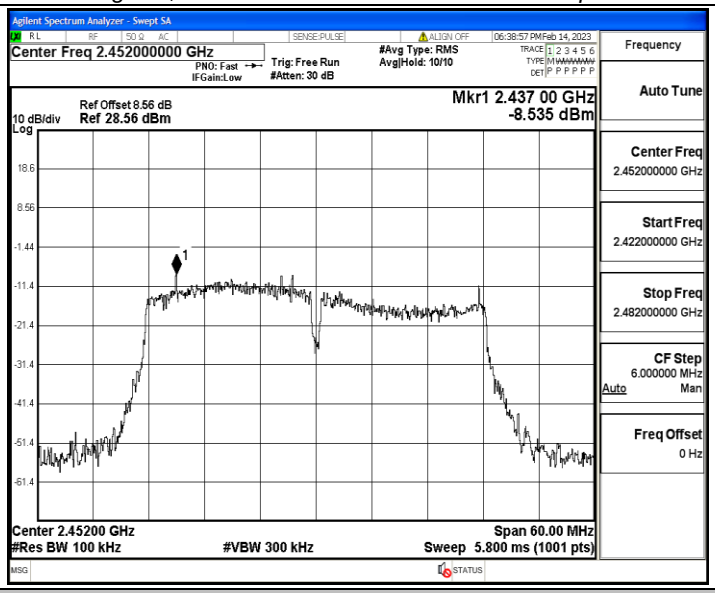
11N40SISO_Ant1_2437_30~1000



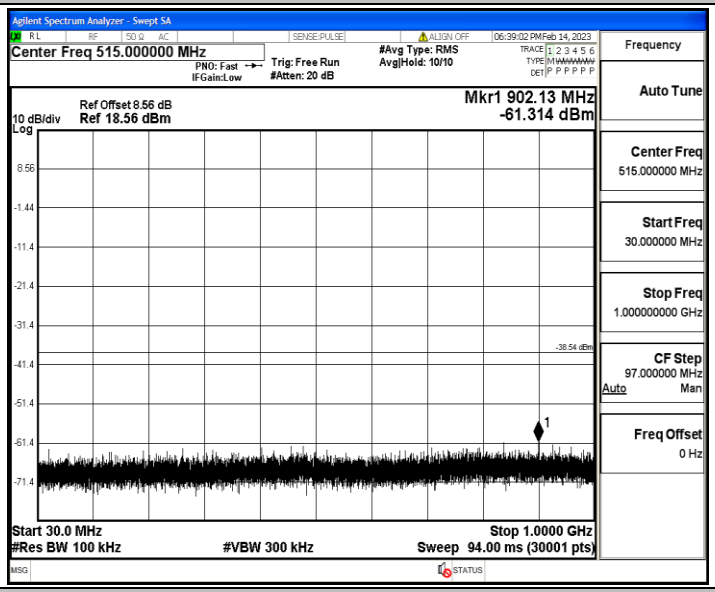
11N40SISO_Ant1_2437_1000~26500



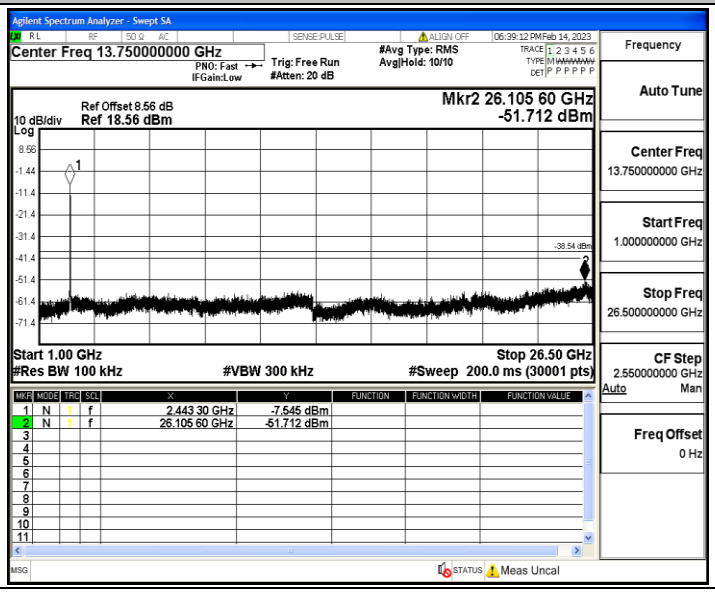
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



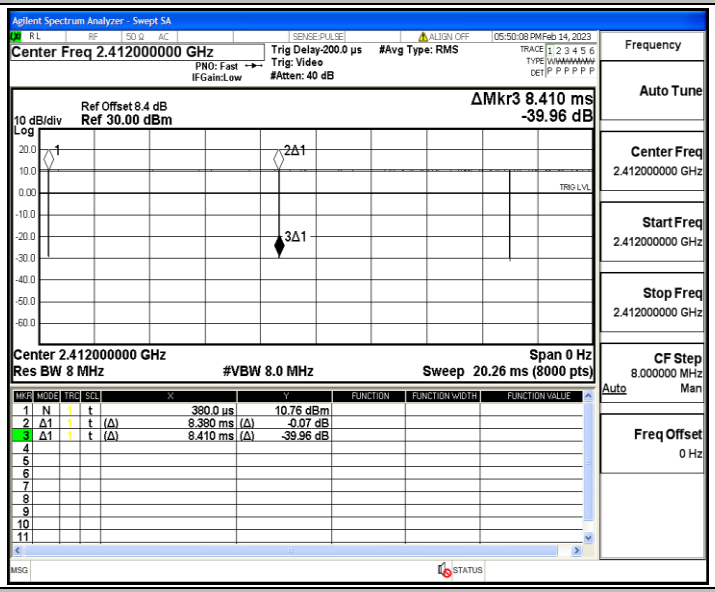
Appendix G: Duty Cycle

Test Result

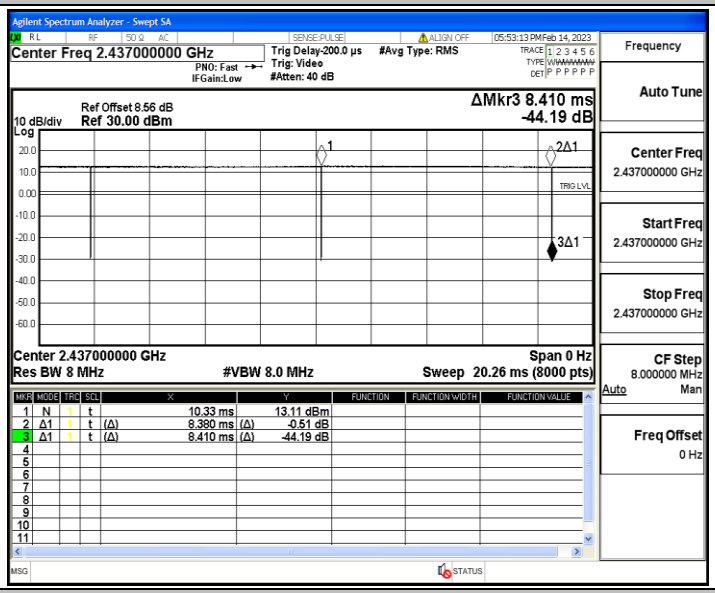
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T
11B	Ant1	2412	8.38	8.41	99.64	0.12
		2437	8.38	8.41	99.64	0.12
		2462	8.38	8.41	99.64	0.12
11G	Ant1	2412	1.39	1.43	97.20	0.72
		2437	1.39	1.43	97.20	0.72
		2462	1.39	1.43	97.20	0.72
11N20SISO	Ant1	2412	1.30	1.34	97.01	0.77
		2437	1.30	1.34	97.01	0.77
		2462	1.30	1.34	97.01	0.77
11N40SISO	Ant1	2422	0.64	0.68	94.12	1.56
		2437	0.64	0.68	94.12	1.56
		2452	0.64	0.68	94.12	1.56

Test Graphs

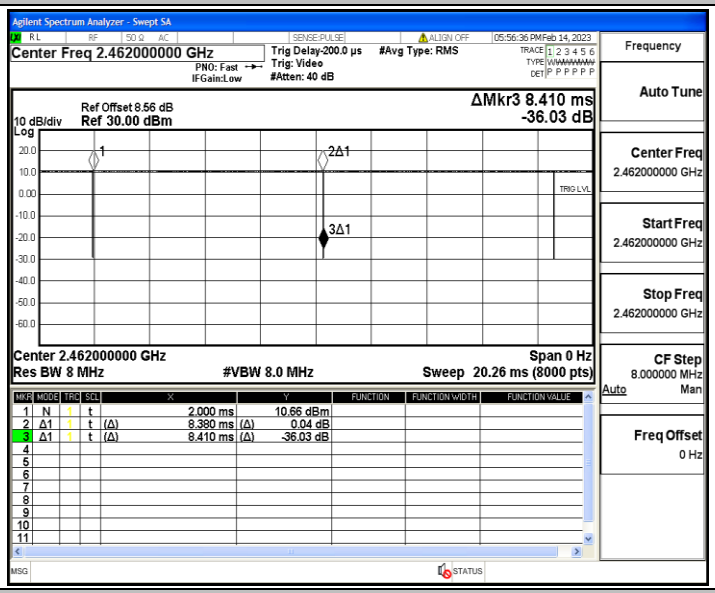
11B_Ant1_2412



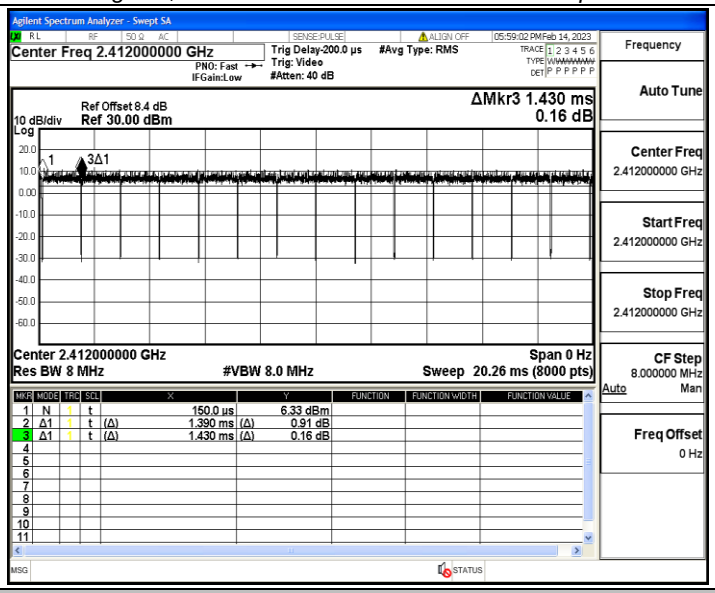
11B_Ant1_2437



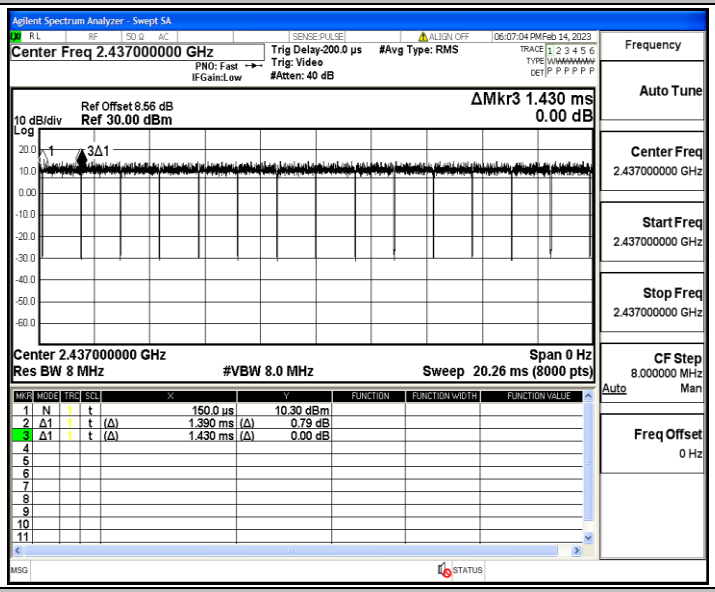
11B_Ant1_2462



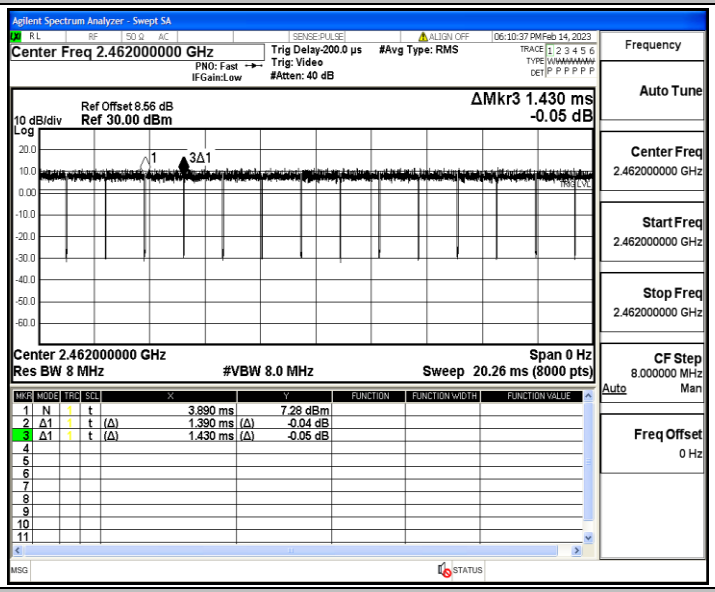
11G_Ant1_2412



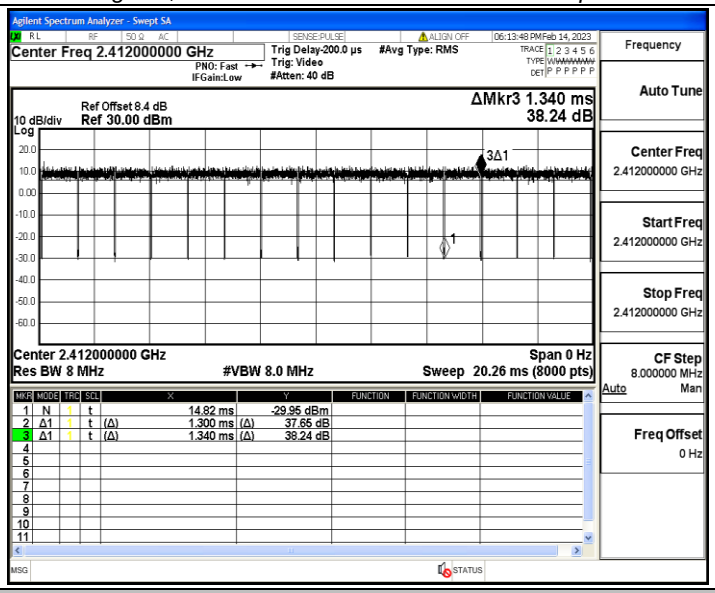
11G_Ant1_2437



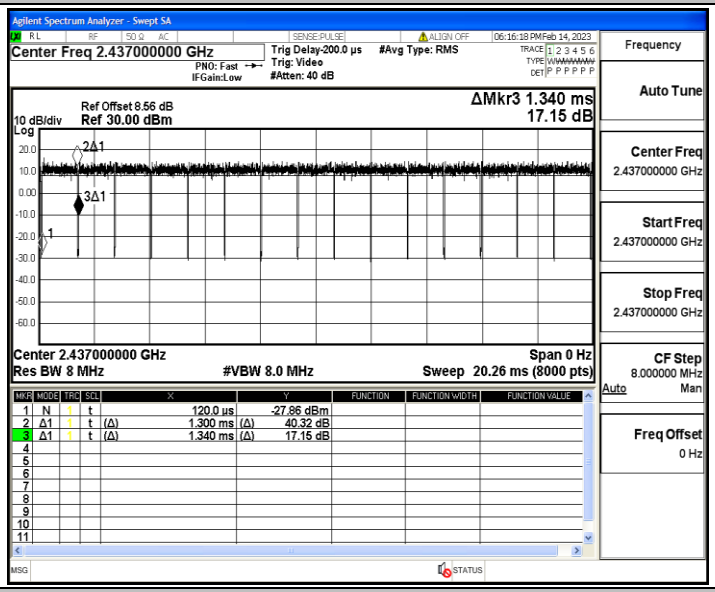
11G_Ant1_2462



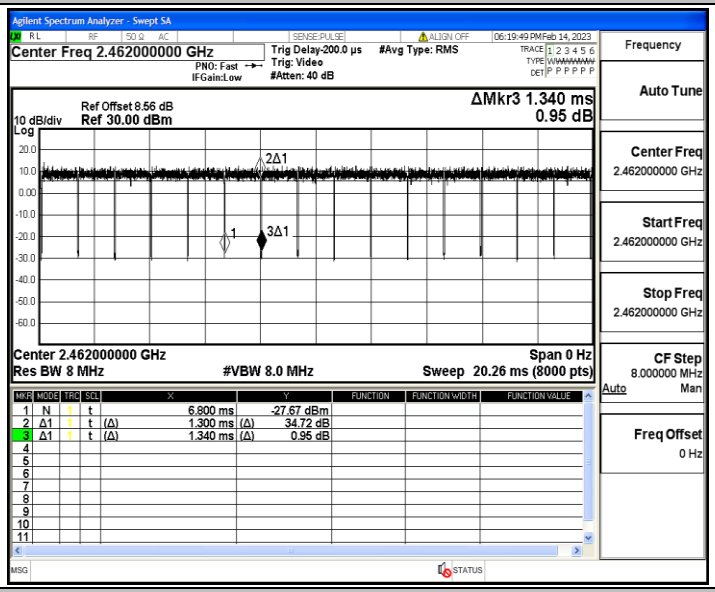
11N20SISO_Ant1_2412



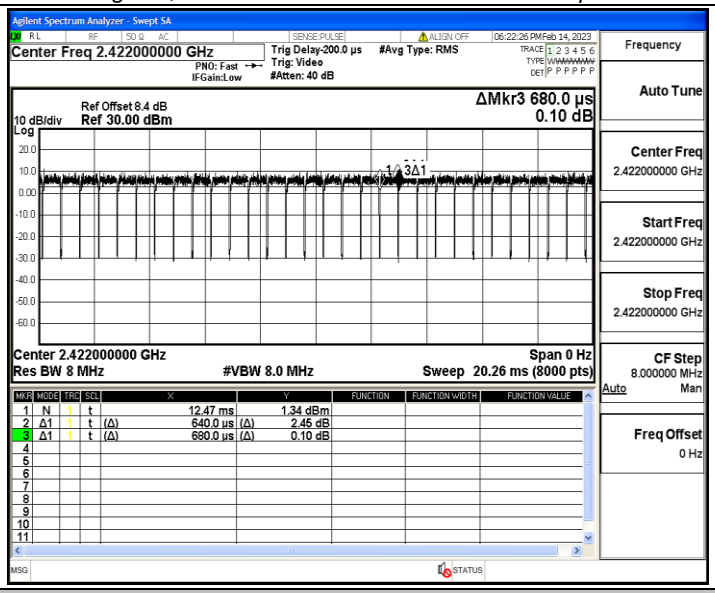
11N20SISO_Ant1_2437



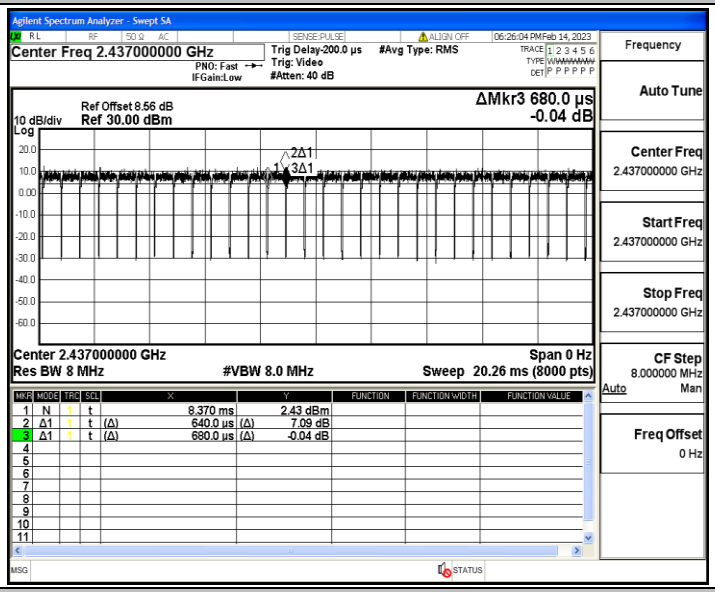
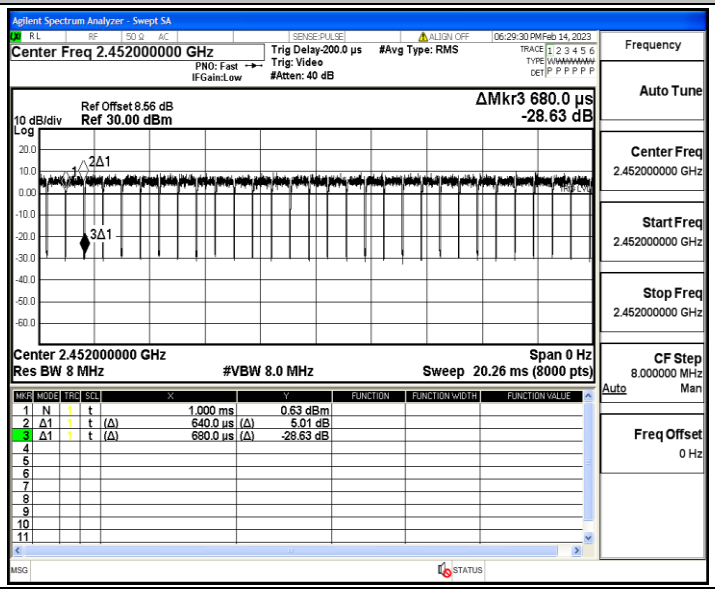
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452