

Appendix Test Data for WLAN(2.4G) (Conducted Measurement)**Product Name: smart phone****Trade Mark: YEZZ****Test Model: MAX 3****FCC ID: 2APW4MAX3****Environmental Conditions**

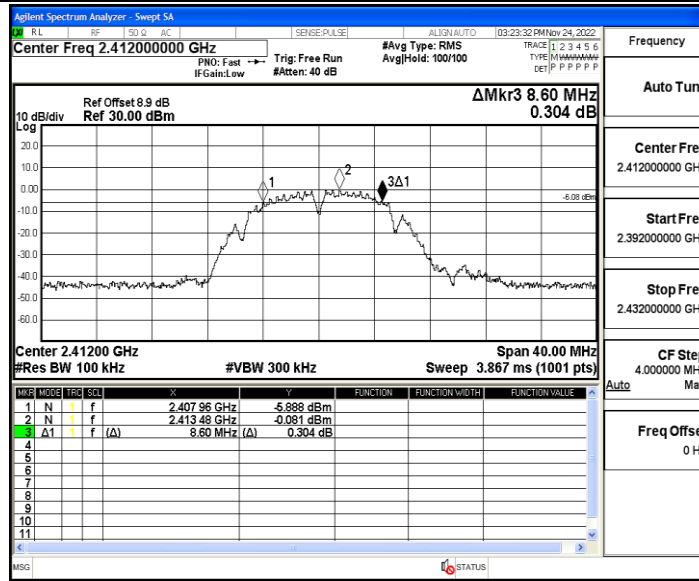
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth**Test Result**

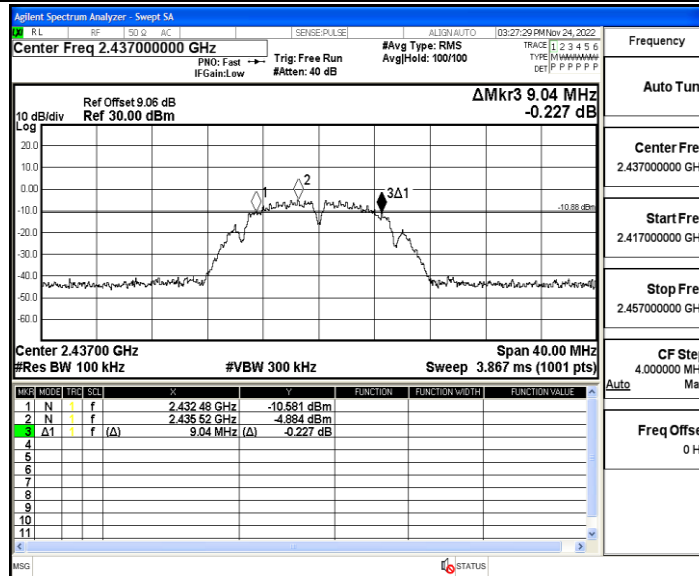
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.600	2407.960	2416.560	0.5	PASS
		2437	9.040	2432.480	2441.520	0.5	PASS
		2462	8.600	2457.960	2466.560	0.5	PASS
11G	Ant1	2412	15.720	2404.480	2420.200	0.5	PASS
		2437	16.440	2428.720	2445.160	0.5	PASS
		2462	15.800	2454.440	2470.240	0.5	PASS
11N20SISO	Ant1	2412	16.320	2404.480	2420.800	0.5	PASS
		2437	17.120	2428.200	2445.320	0.5	PASS
		2462	17.320	2453.480	2470.800	0.5	PASS

Test Graphs

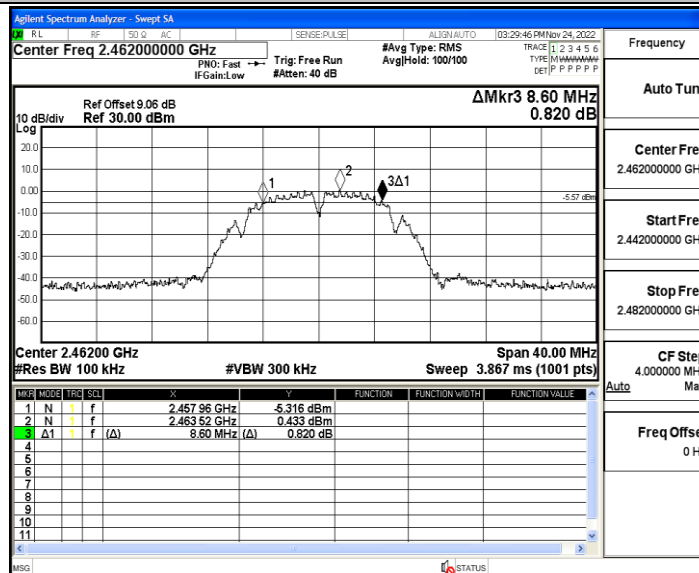
11B_Ant1_2412



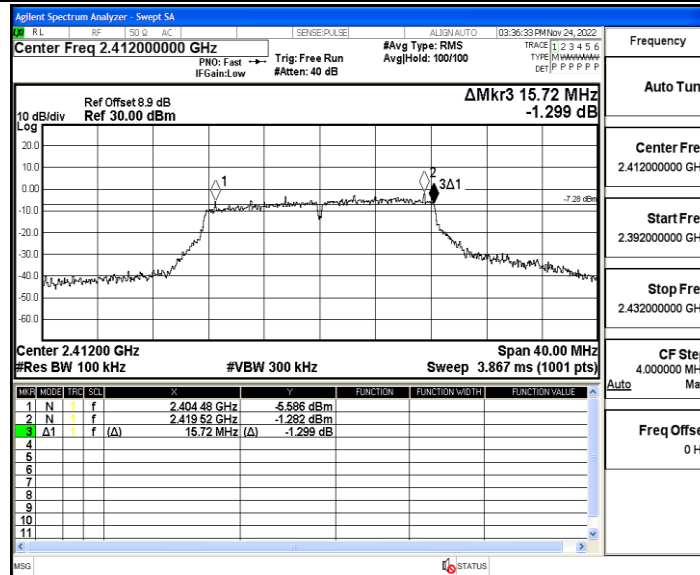
11B_Ant1_2437



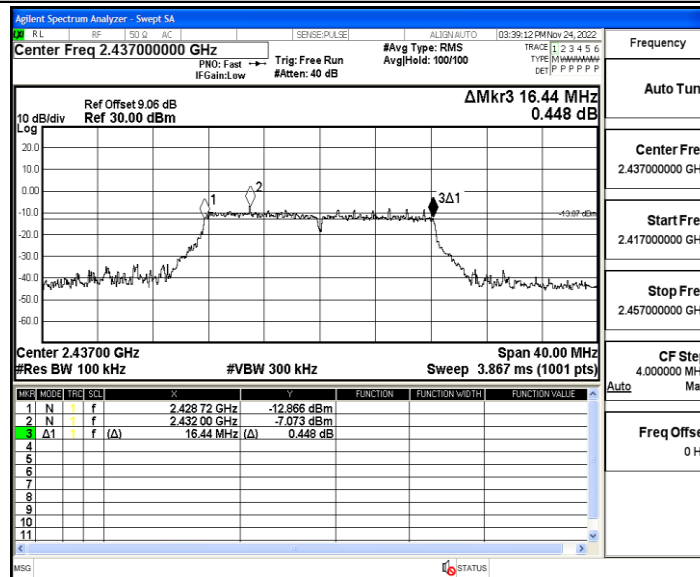
11B_Ant1_2462



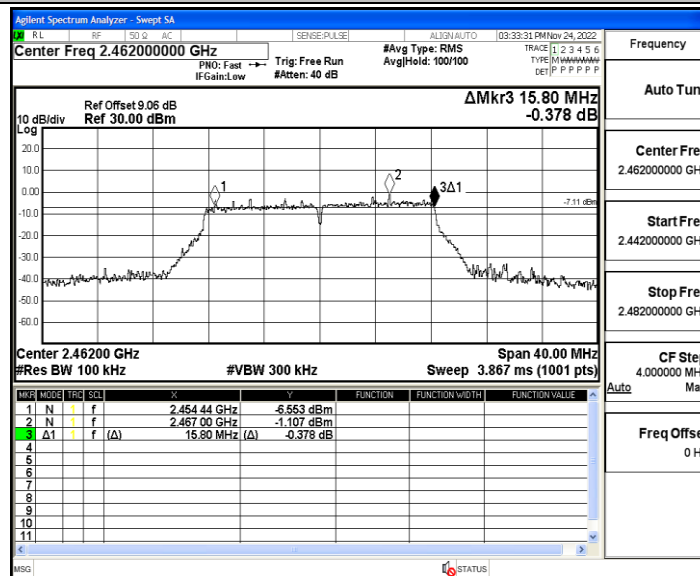
11G_Ant1_2412



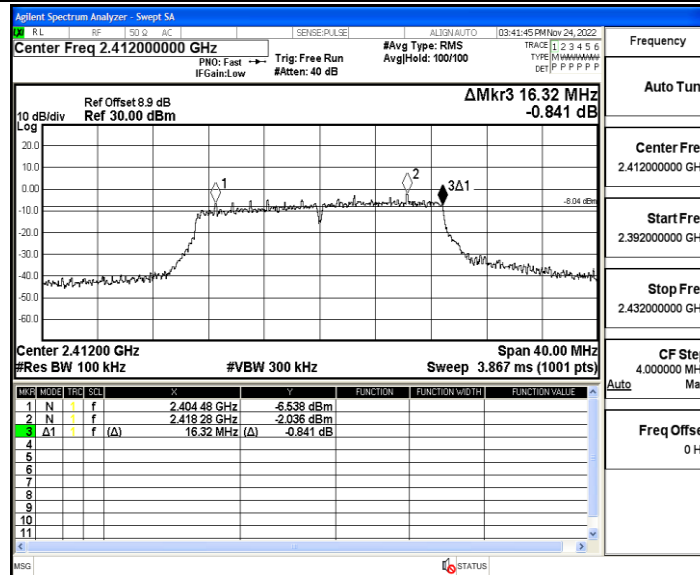
11G_Ant1_2437



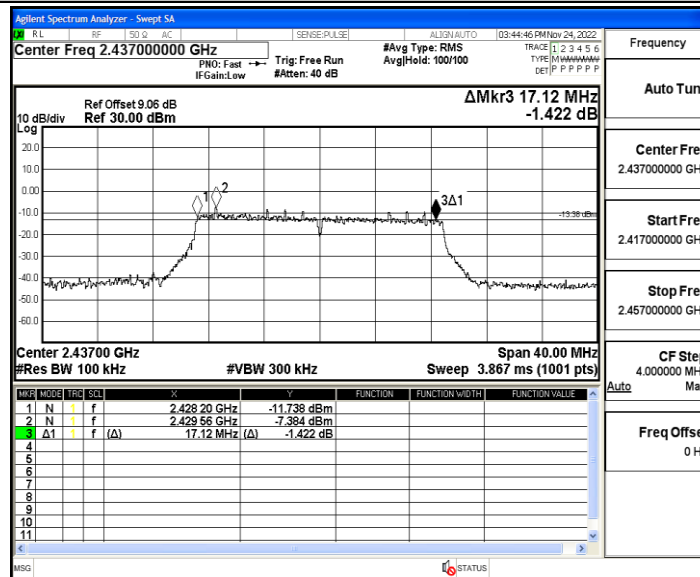
11G_Ant1_2462



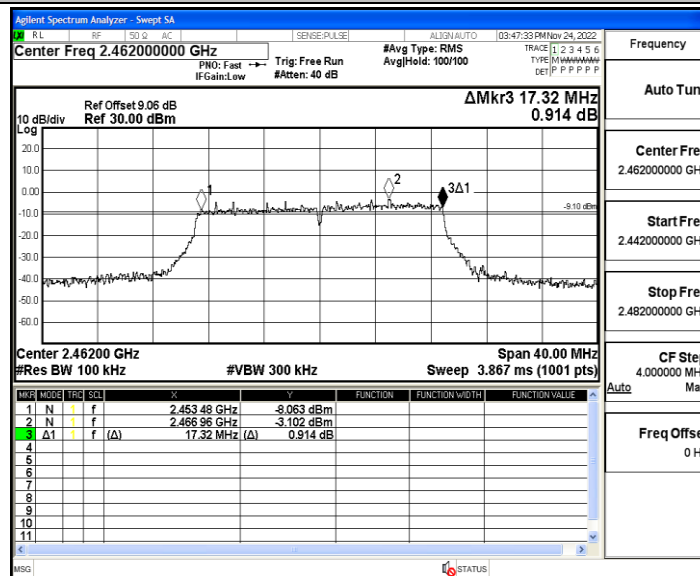
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



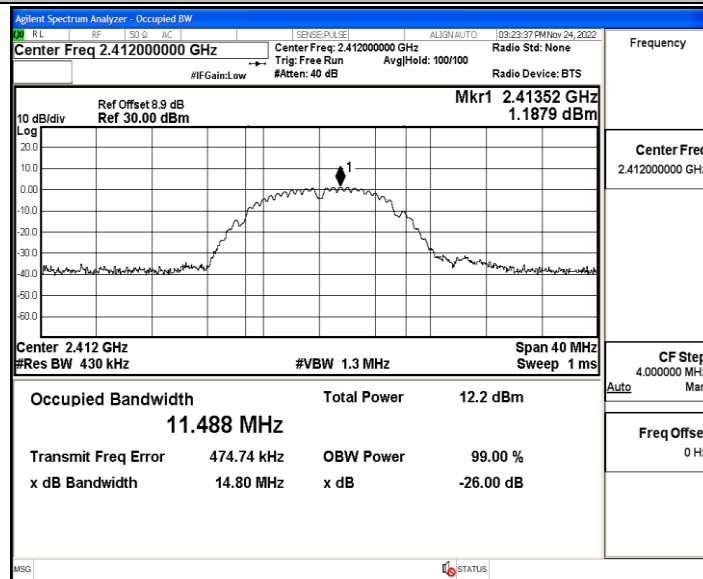
Appendix B: Occupied Channel Bandwidth

Test Result

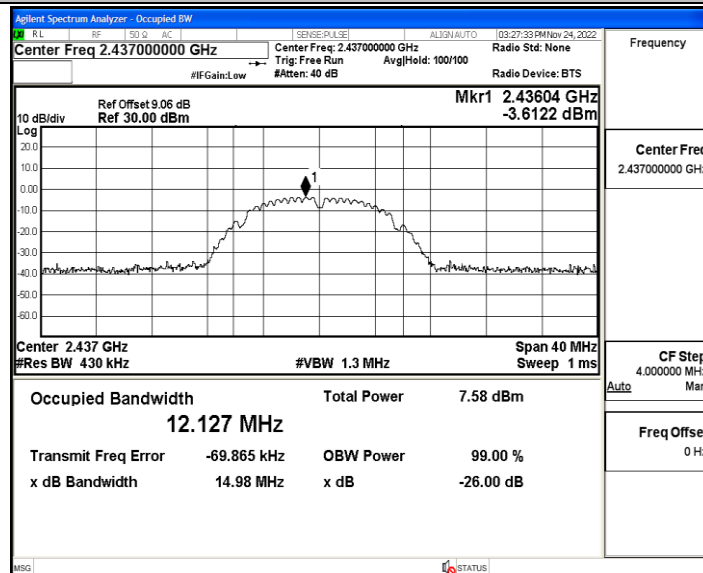
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.488	2406.7307	2418.2187	---	---
		2437	12.127	2430.8666	2442.9936	---	---
		2462	11.948	2456.2018	2468.1498	---	---
11G	Ant1	2412	17.246	2403.6260	2420.8720	---	---
		2437	17.593	2428.0240	2445.6170	---	---
		2462	17.388	2453.4021	2470.7901	---	---
11N20SISO	Ant1	2412	18.046	2403.2416	2421.2876	---	---
		2437	18.303	2427.7383	2446.0413	---	---
		2462	18.146	2453.0645	2471.2105	---	---

Test Graphs

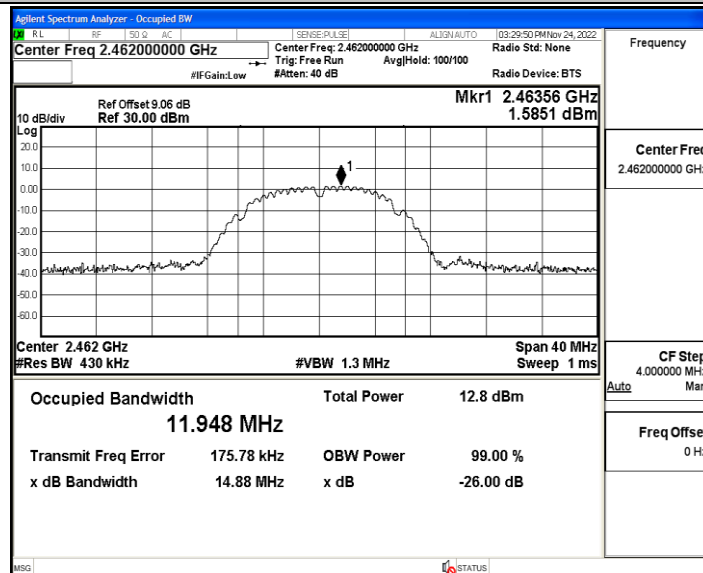
11B_Ant1_2412



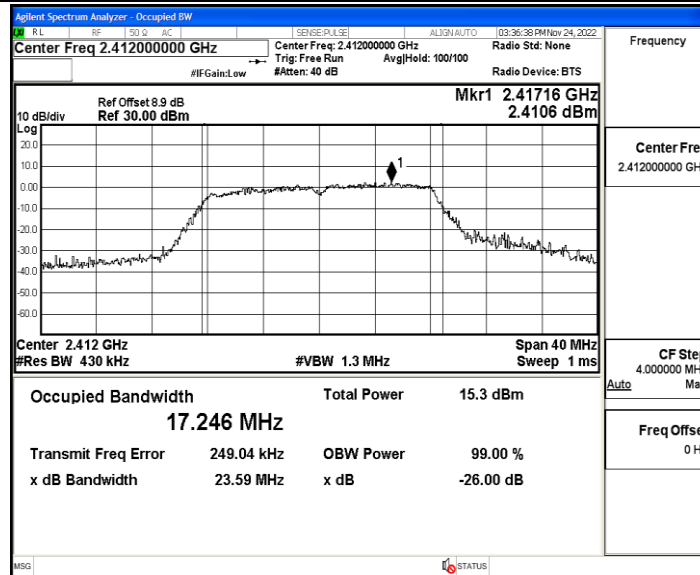
11B_Ant1_2437



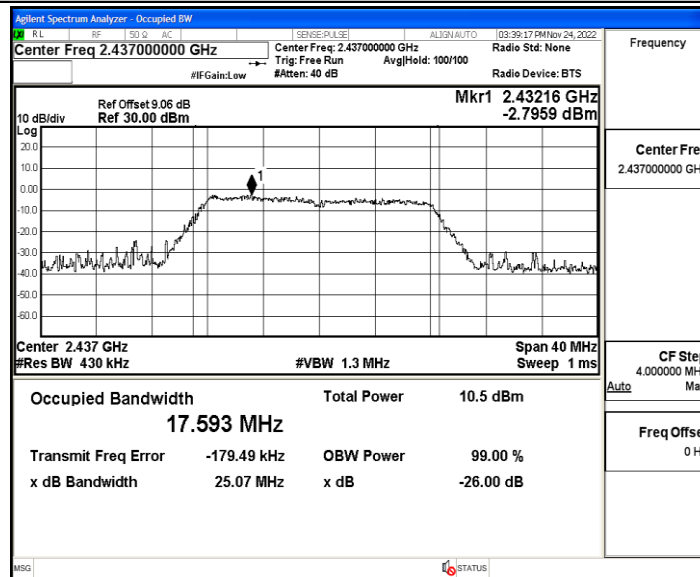
11B_Ant1_2462



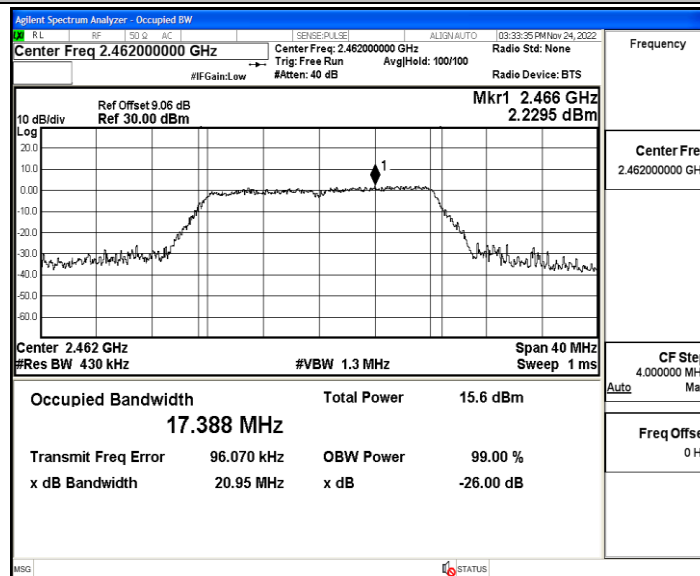
11G_Ant1_2412



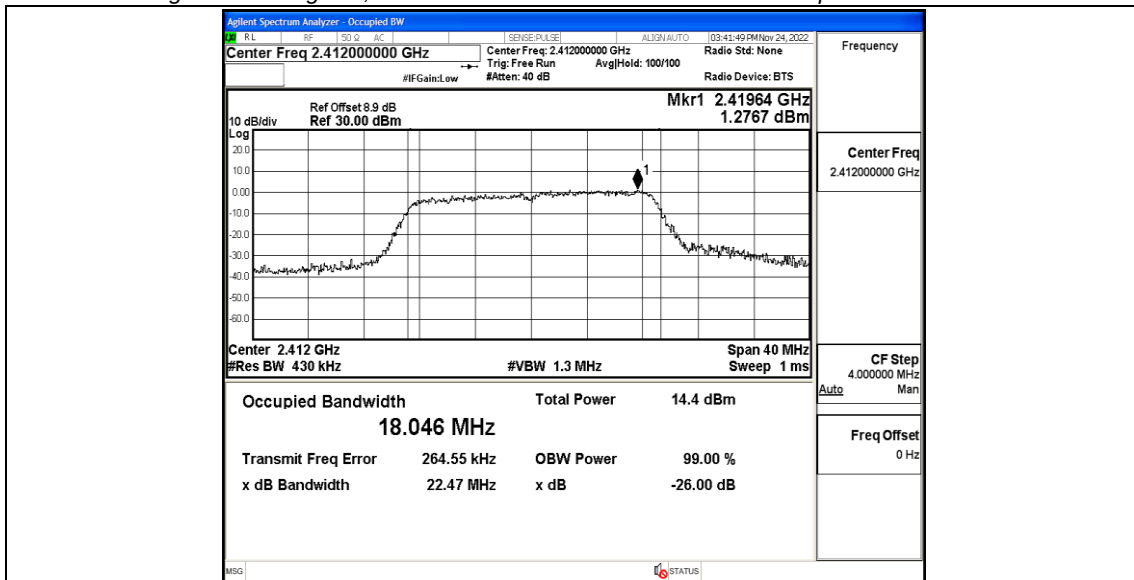
11G_Ant1_2437



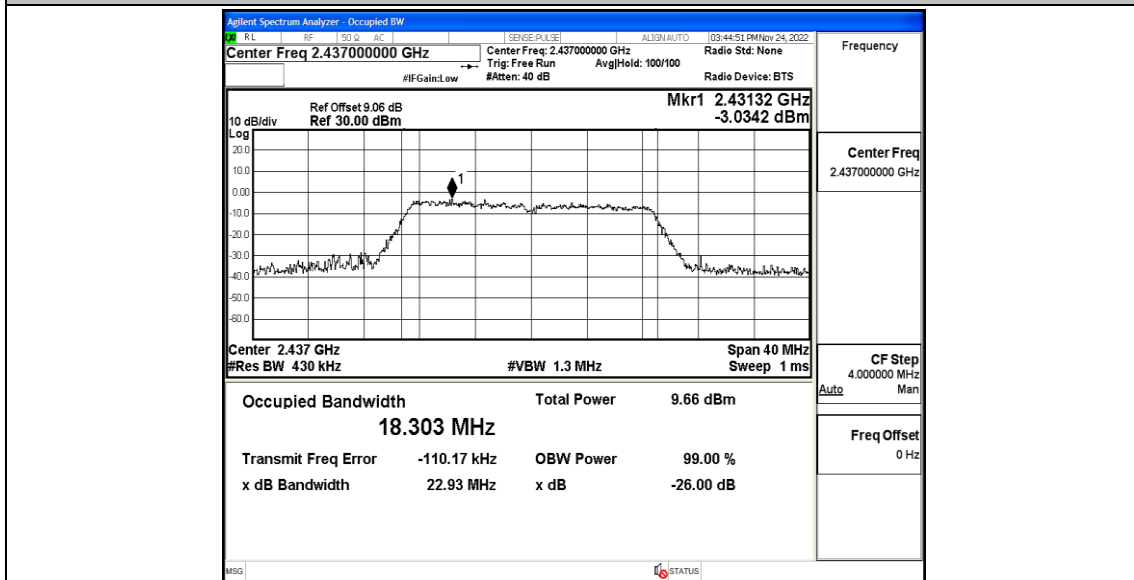
11G_Ant1_2462



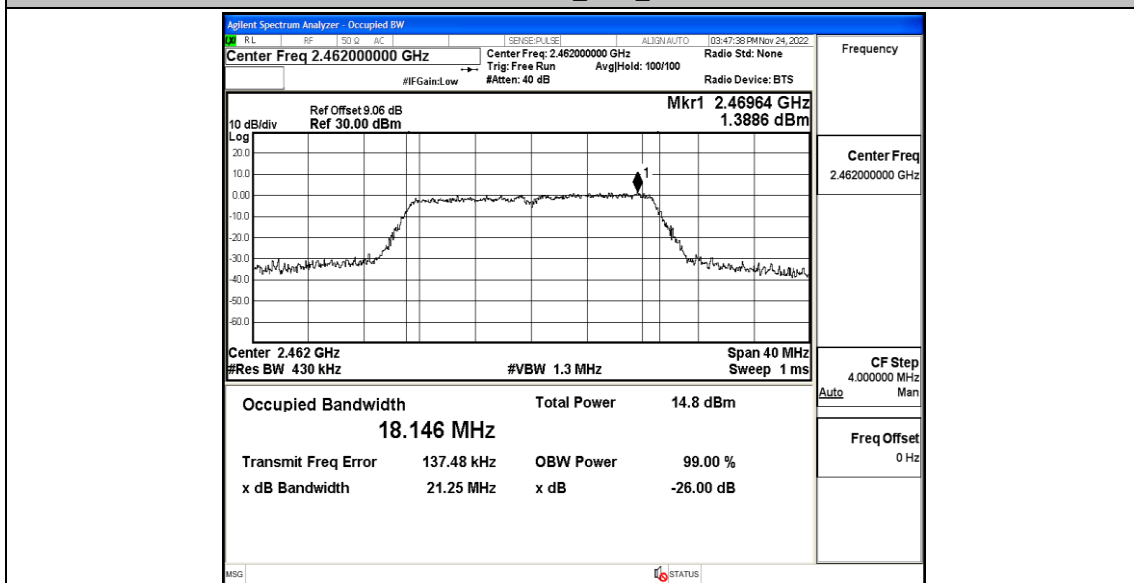
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	9.24	≤30.00	PASS
		2437	4.60	≤30.00	PASS
		2462	9.90	≤30.00	PASS
11G	Ant1	2412	9.42	≤30.00	PASS
		2437	4.63	≤30.00	PASS
		2462	9.75	≤30.00	PASS
11N20SISO	Ant1	2412	8.38	≤30.00	PASS
		2437	3.44	≤30.00	PASS
		2462	8.67	≤30.00	PASS

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

Appendix D: Maximum power spectral density

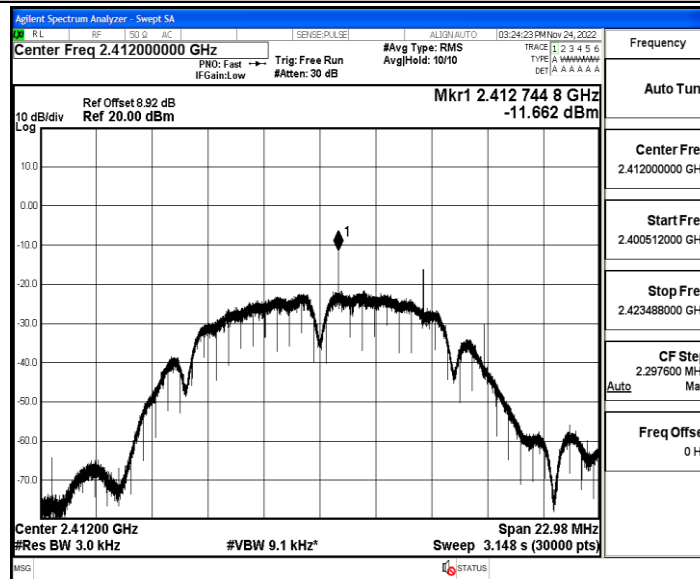
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.66	≤8.00	PASS
		2437	-16.72	≤8.00	PASS
		2462	-18	≤8.00	PASS
11G	Ant1	2412	-21.61	≤8.00	PASS
		2437	-26.8	≤8.00	PASS
		2462	-21.65	≤8.00	PASS
11N20SISO	Ant1	2412	-22.83	≤8.00	PASS
		2437	-28.23	≤8.00	PASS
		2462	-22.65	≤8.00	PASS

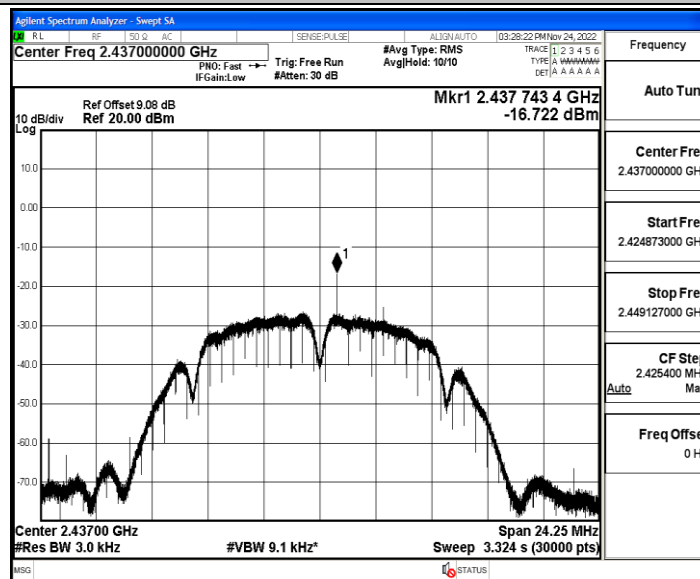
Note: The Duty Cycle Factor is compensated in the test result.

Test Graphs

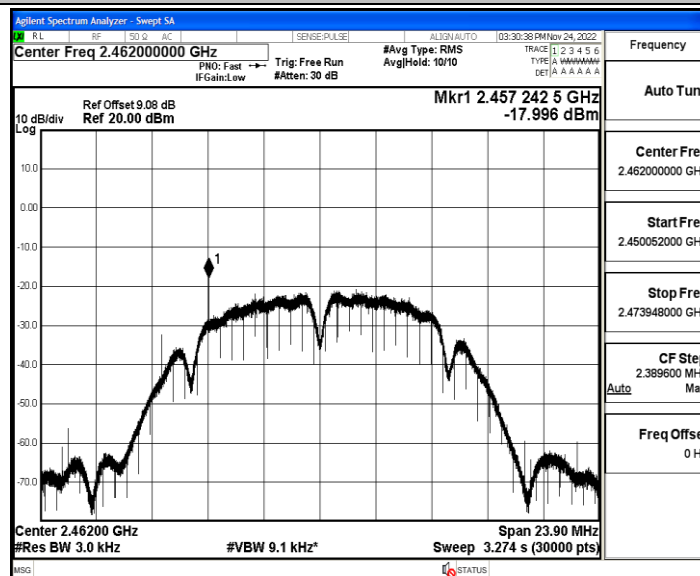
11B_Ant1_2412



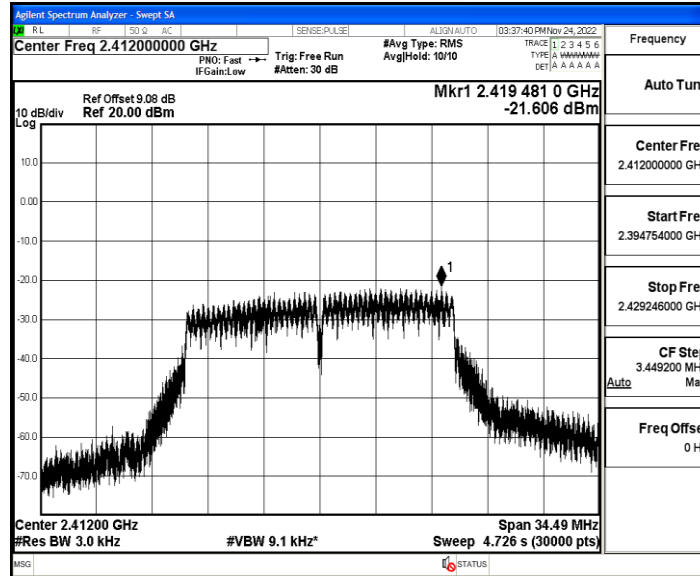
11B_Ant1_2437



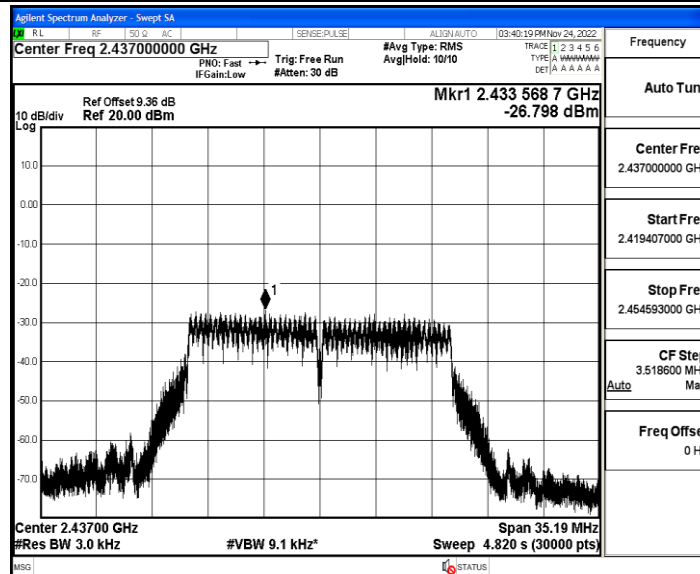
11B_Ant1_2462



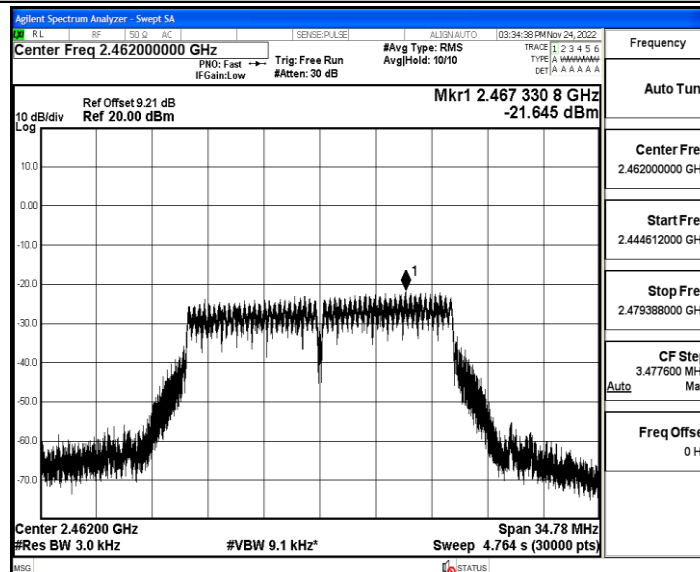
11G_Ant1_2412



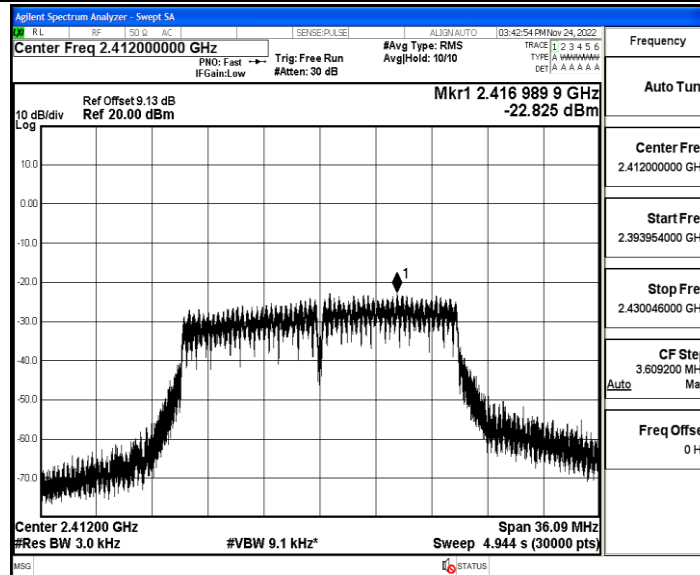
11G_Ant1_2437



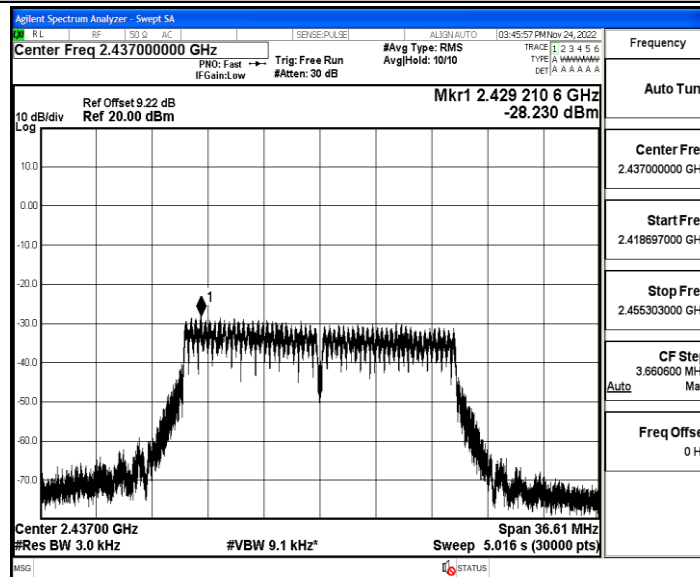
11G_Ant1_2462



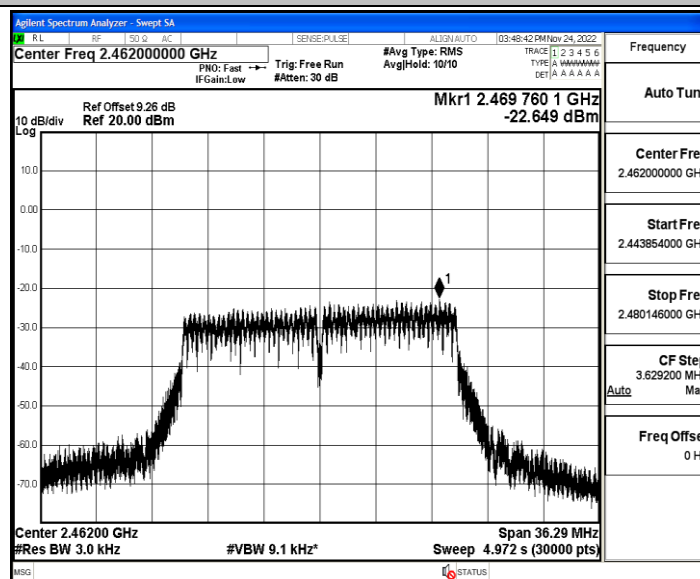
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



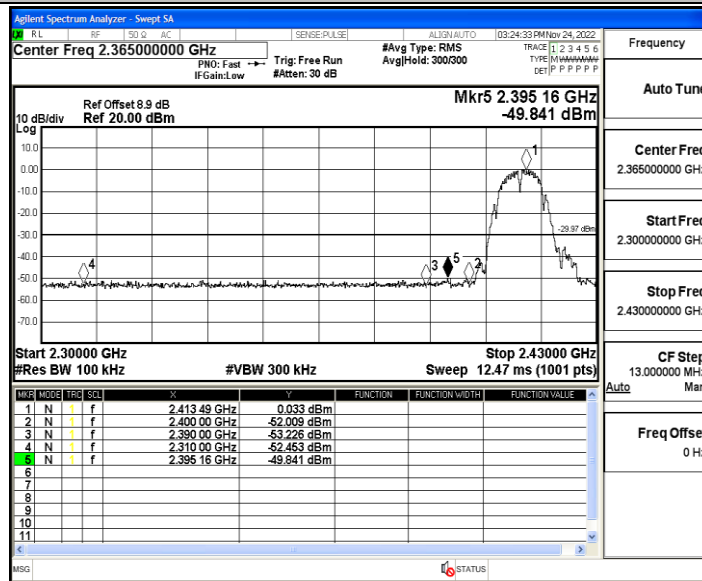
Appendix E: Band edge measurements

Test Result

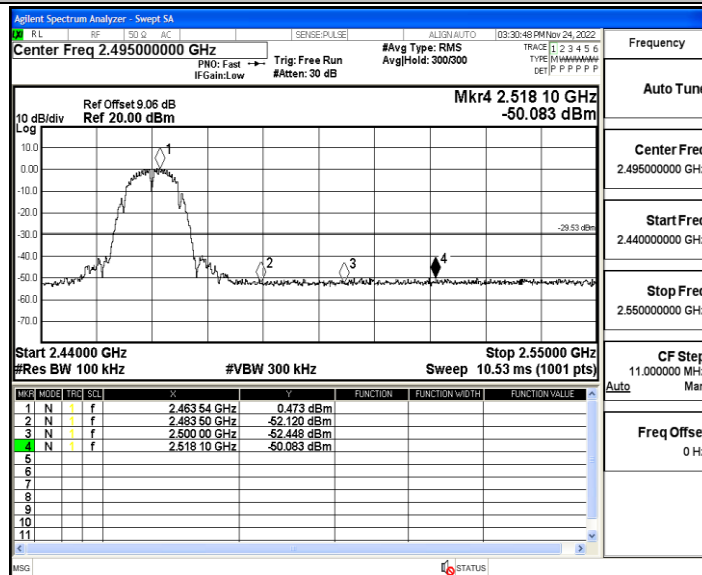
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.03	-49.84	≤ -29.97	PASS
		High	2462	0.47	-50.08	≤ -29.53	PASS
11G	Ant1	Low	2412	-1.07	-38.61	≤ -31.07	PASS
		High	2462	-1.04	-44.72	≤ -31.04	PASS
11N20SISO	Ant1	Low	2412	-1.89	-40.29	≤ -31.89	PASS
		High	2462	-1.97	-47.27	≤ -31.97	PASS

Test Graphs

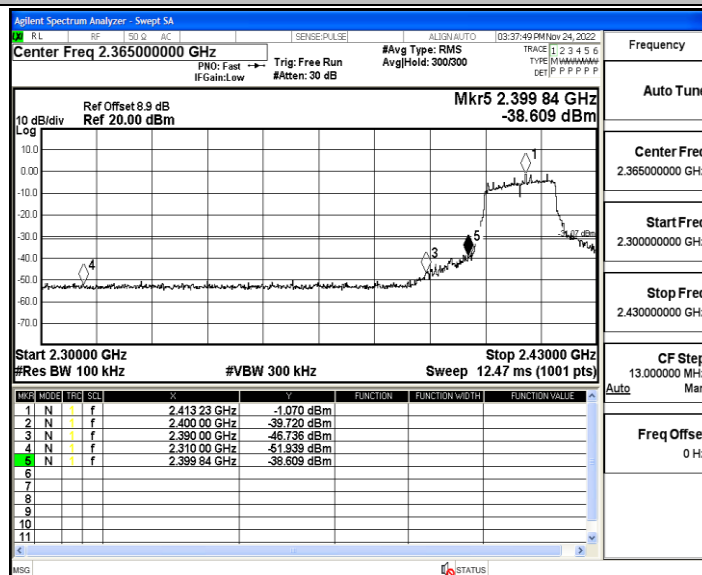
11B_Ant1_Low_2412



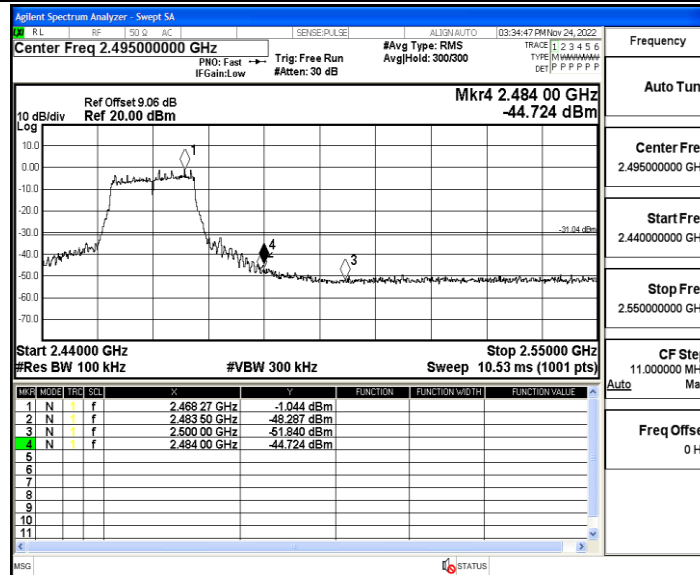
11B_Ant1_High_2462



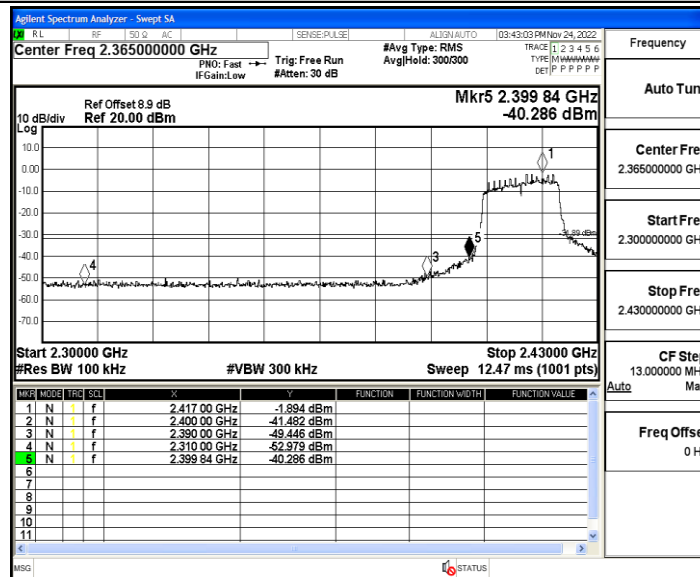
11G_Ant1_Low_2412



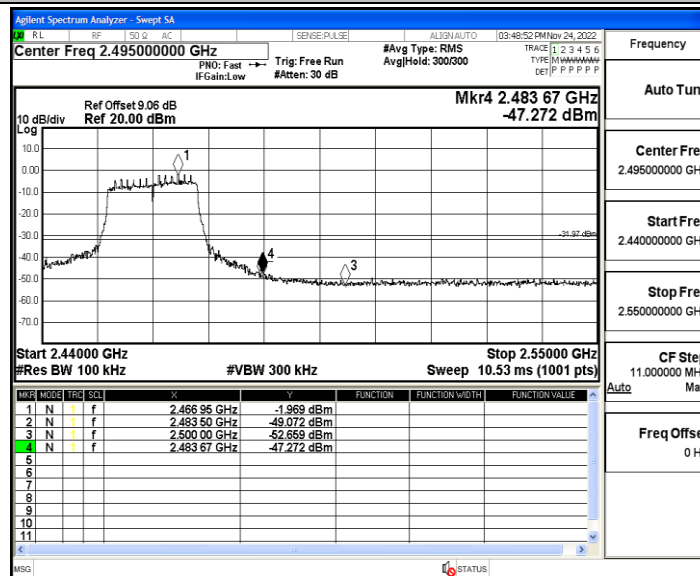
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



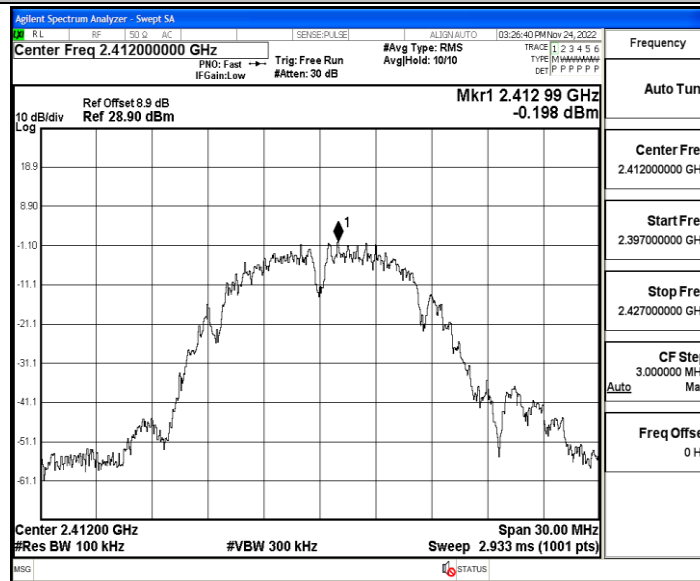
Appendix F: Conducted Spurious Emission

Test Result

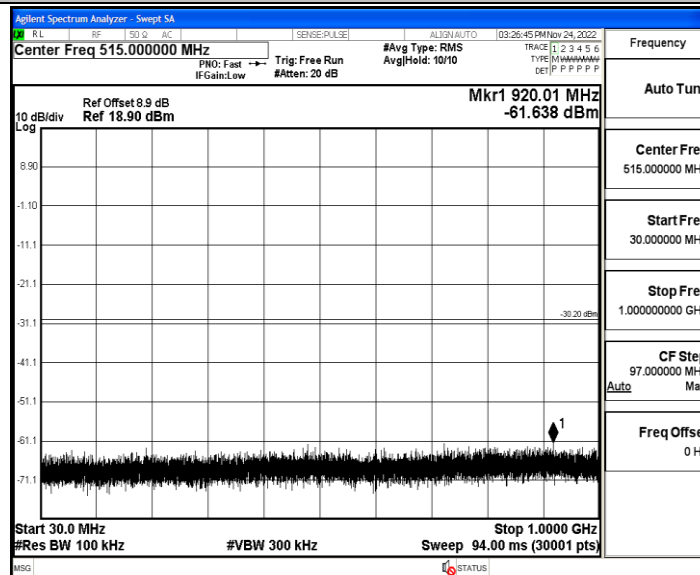
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.20	-0.20	---	PASS
			30~1000	-0.20	-61.64	≤-30.2	PASS
			1000~26500	-0.20	-52.15	≤-30.2	PASS
		2437	Reference	-4.96	-4.96	---	PASS
			30~1000	-4.96	-61.69	≤-34.96	PASS
			1000~26500	-4.96	-49.93	≤-34.96	PASS
		2462	Reference	1.06	1.06	---	PASS
			30~1000	1.06	-61.85	≤-28.94	PASS
			1000~26500	1.06	-51.7	≤-28.94	PASS
11G	Ant1	2412	Reference	-4.60	-4.60	---	PASS
			30~1000	-4.60	-61.51	≤-34.6	PASS
			1000~26500	-4.60	-51.31	≤-34.6	PASS
		2437	Reference	-7.88	-7.88	---	PASS
			30~1000	-7.88	-61.2	≤-37.88	PASS
			1000~26500	-7.88	-51.23	≤-37.88	PASS
		2462	Reference	-4.77	-4.77	---	PASS
			30~1000	-4.77	-61.71	≤-34.77	PASS
			1000~26500	-4.77	-52.21	≤-34.77	PASS
11N20SISO	Ant1	2412	Reference	-2.91	-2.91	---	PASS
			30~1000	-2.91	-60.97	≤-32.91	PASS
			1000~26500	-2.91	-50.41	≤-32.91	PASS
		2437	Reference	-8.22	-8.22	---	PASS
			30~1000	-8.22	-61.58	≤-38.22	PASS
			1000~26500	-8.22	-51.41	≤-38.22	PASS
		2462	Reference	-5.58	-5.58	---	PASS
			30~1000	-5.58	-61.46	≤-35.58	PASS
			1000~26500	-5.58	-51.17	≤-35.58	PASS

Test Graphs

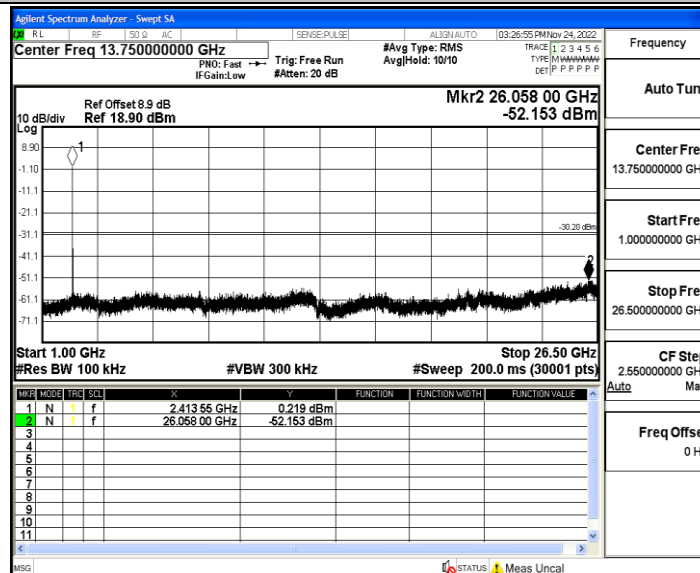
11B_Ant1_2412_0~Reference



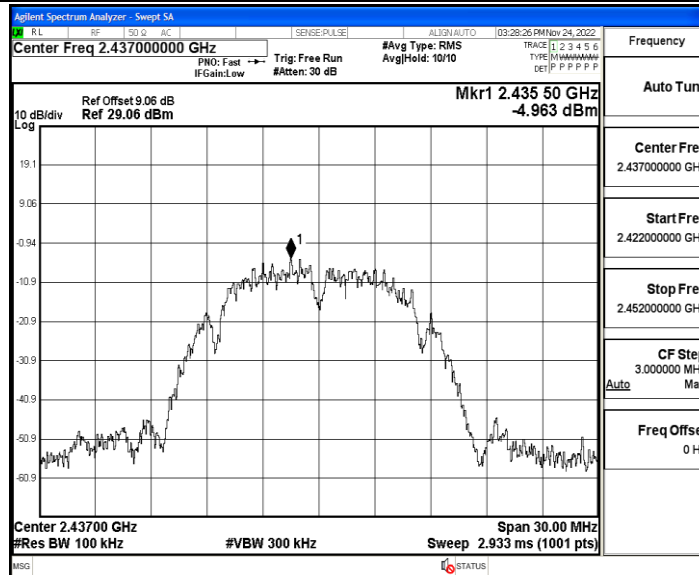
11B_Ant1_2412_30~1000



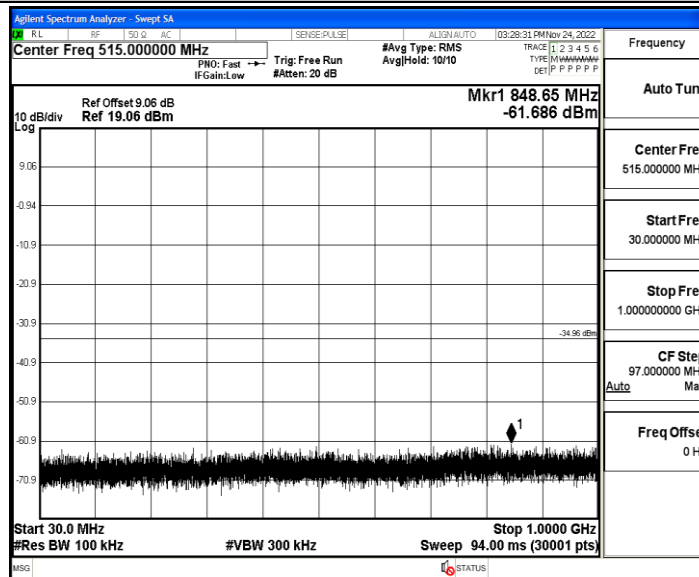
11B_Ant1_2412_1000~26500



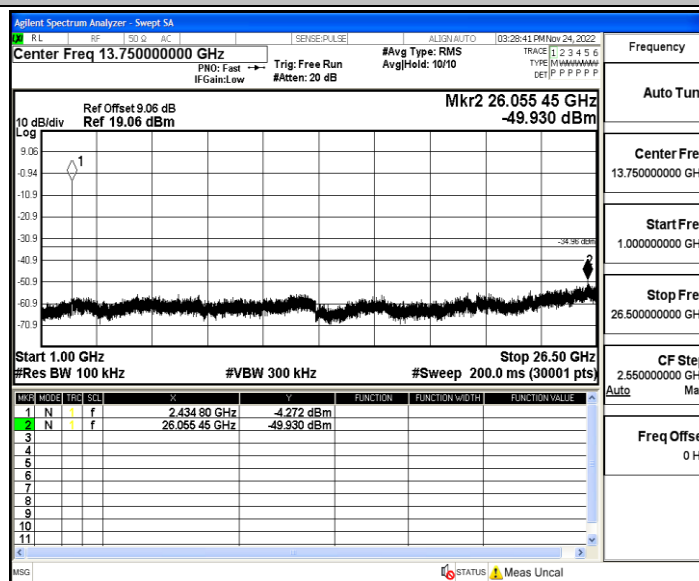
11B_Ant1_2437_0~Reference



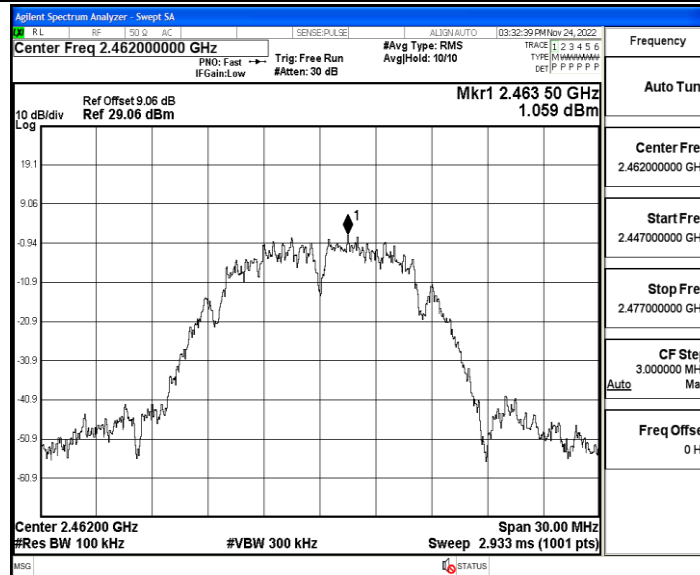
11B_Ant1_2437_30~1000



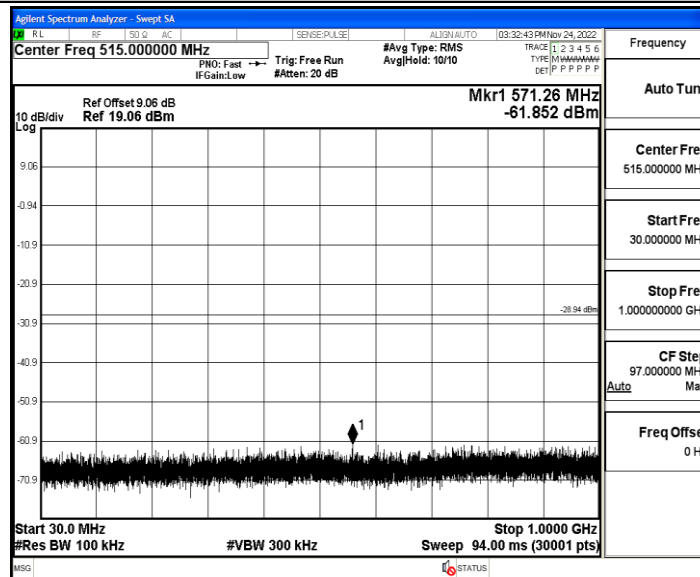
11B_Ant1_2437_1000~26500



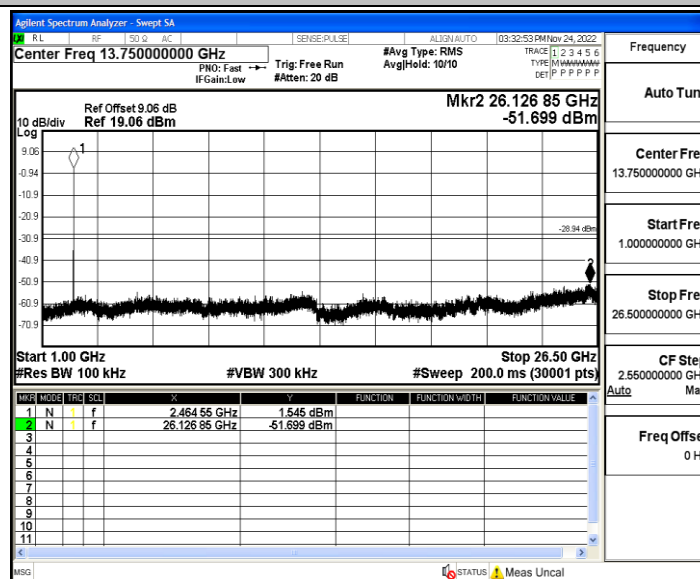
11B_Ant1_2462_0~Reference



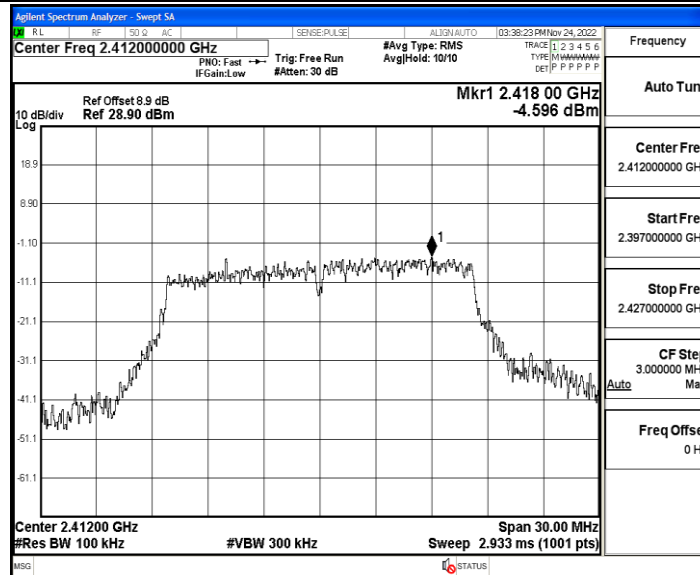
11B_Ant1_2462_30~1000



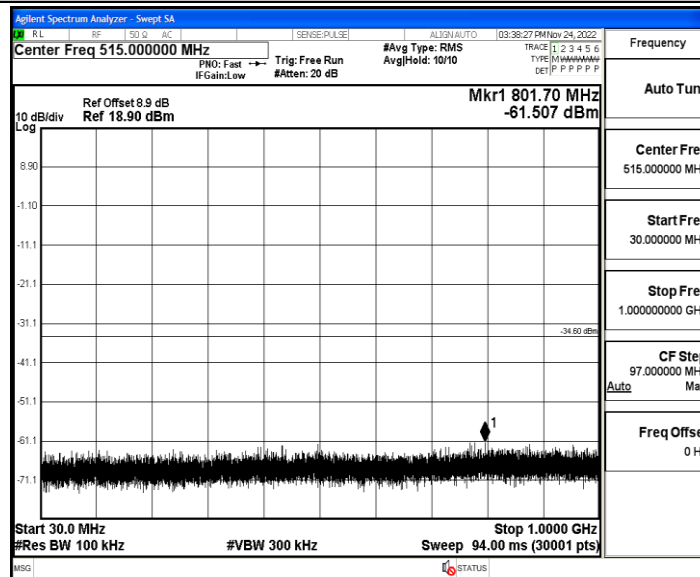
11B_Ant1_2462_1000~26500



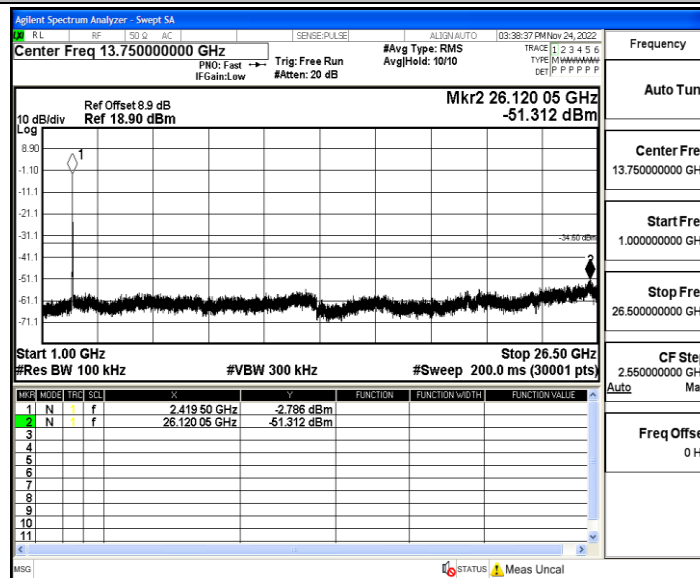
11G_Ant1_2412_0~Reference



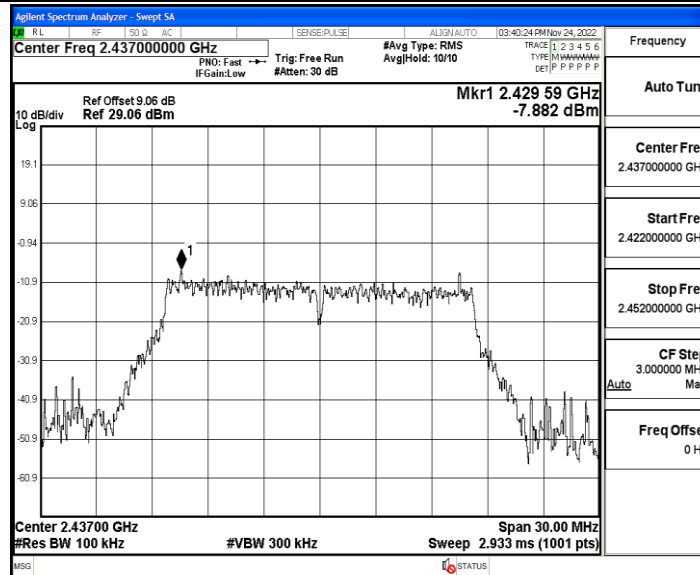
11G_Ant1_2412_30~1000



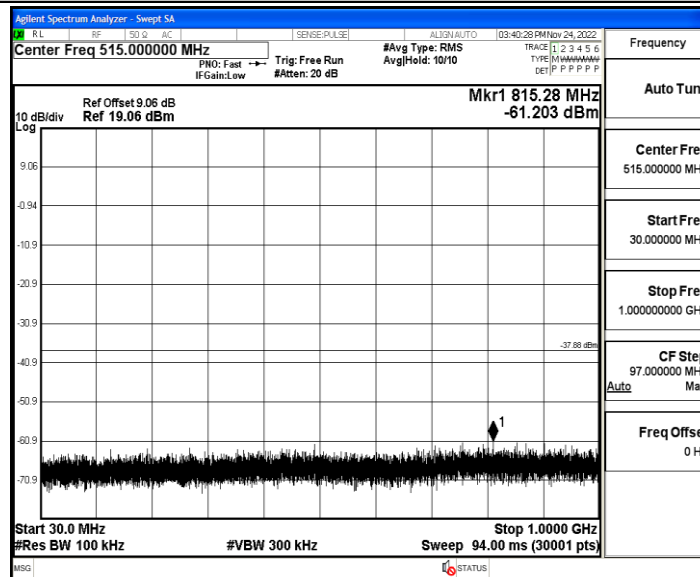
11G_Ant1_2412_1000~26500



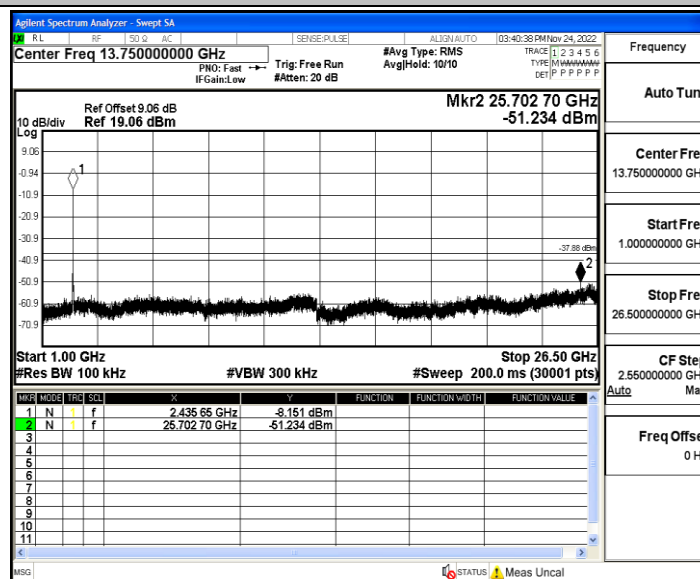
11G_Ant1_2437_0~Reference



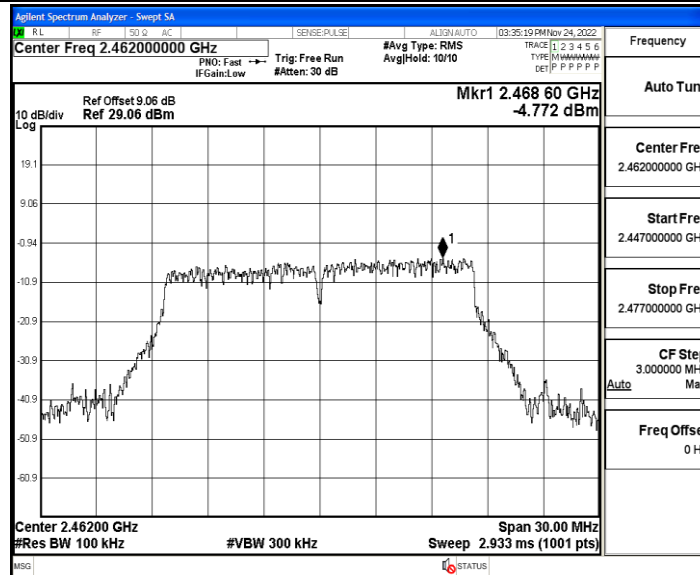
11G_Ant1_2437_30~1000



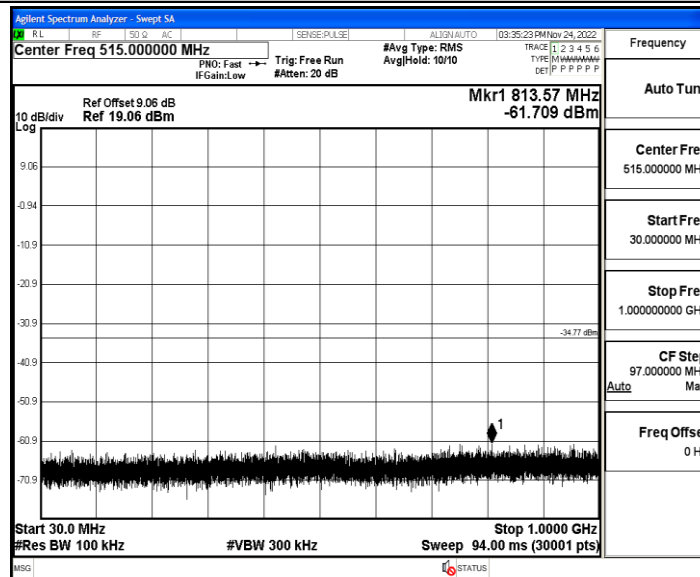
11G_Ant1_2437_1000~26500



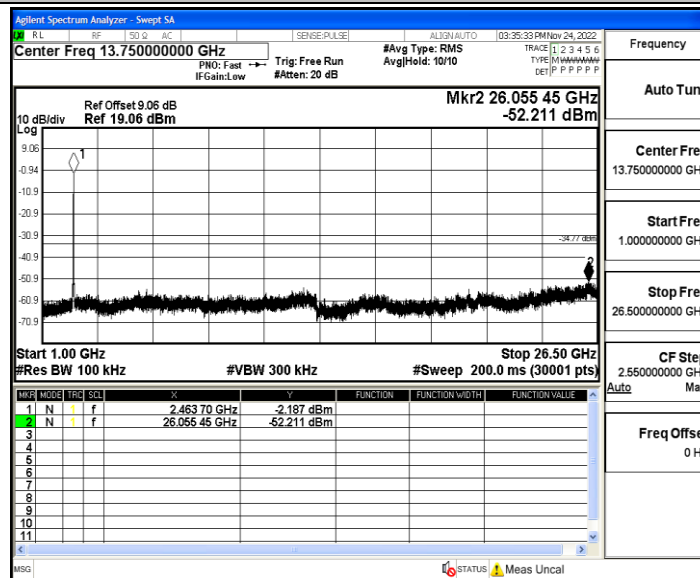
11G_Ant1_2462_0~Reference



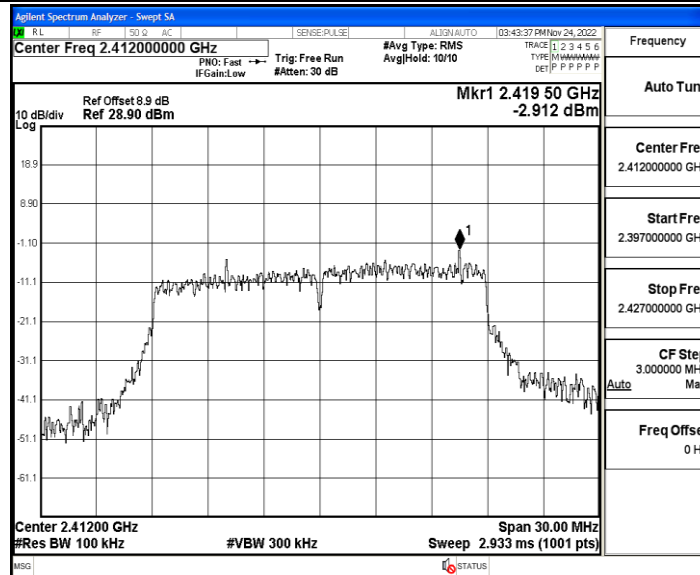
11G_Ant1_2462_30~1000



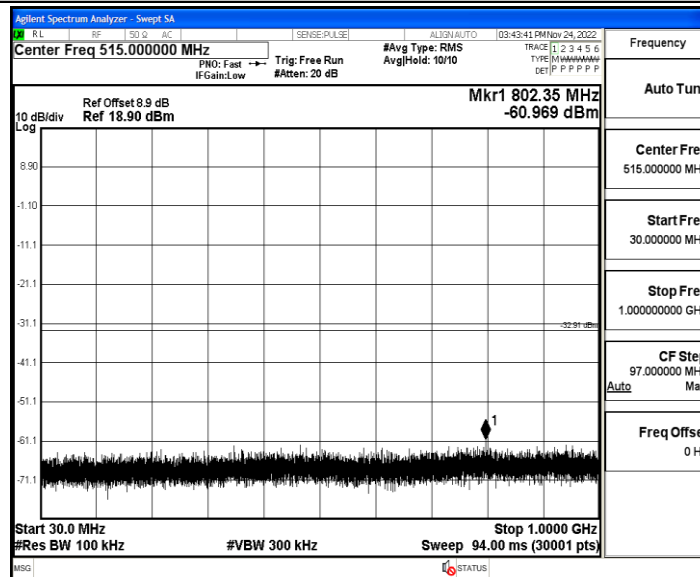
11G_Ant1_2462_1000~26500



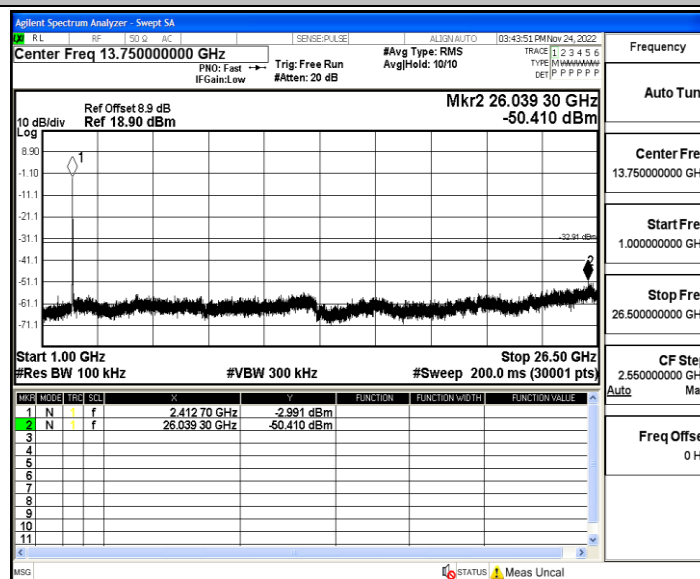
11N20SISO_Ant1_2412_0~Reference



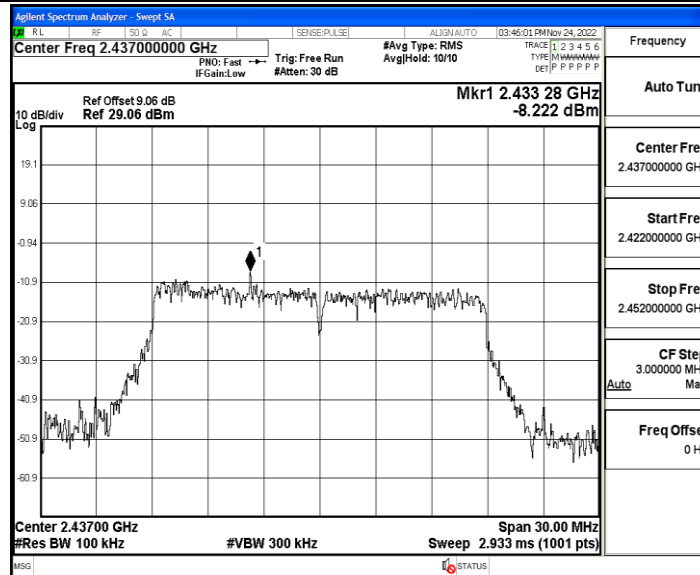
11N20SISO_Ant1_2412_30~1000



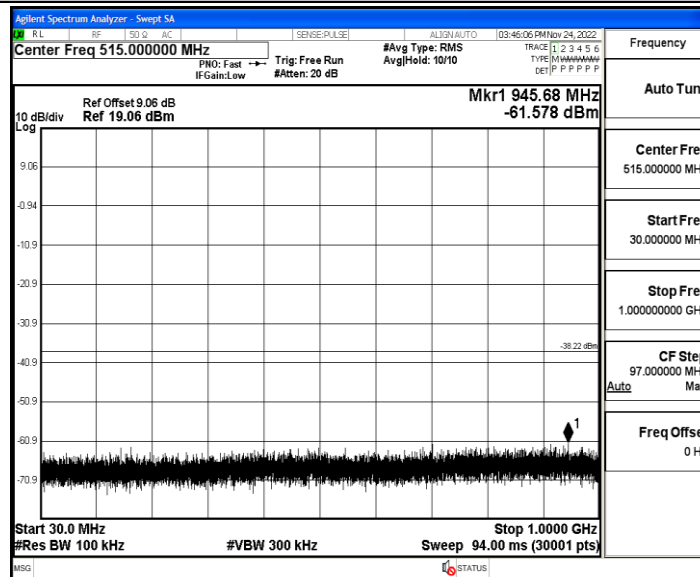
11N20SISO_Ant1_2412_1000~26500



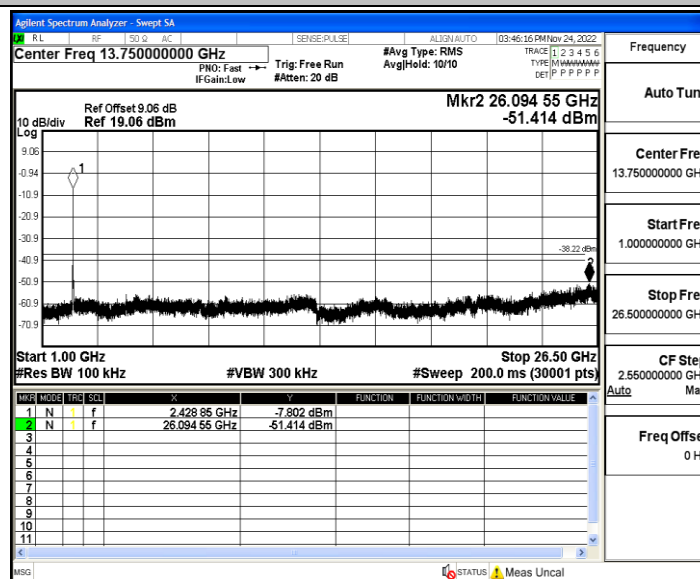
11N20SISO_Ant1_2437_0~Reference



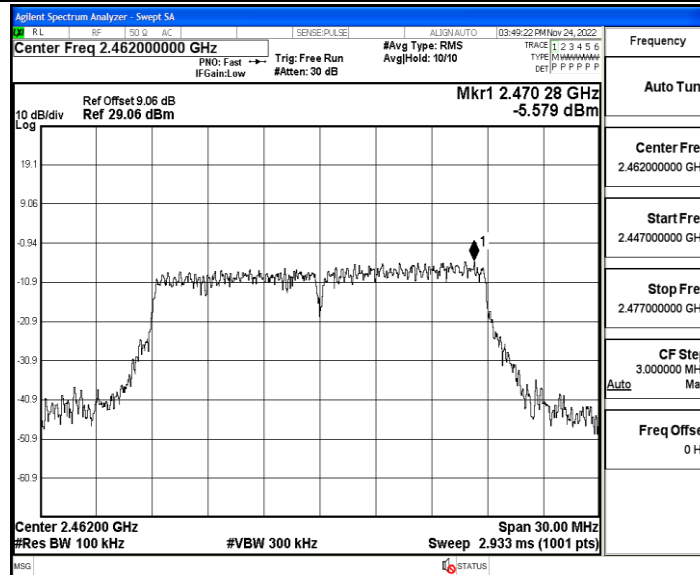
11N20SISO_Ant1_2437_30~1000



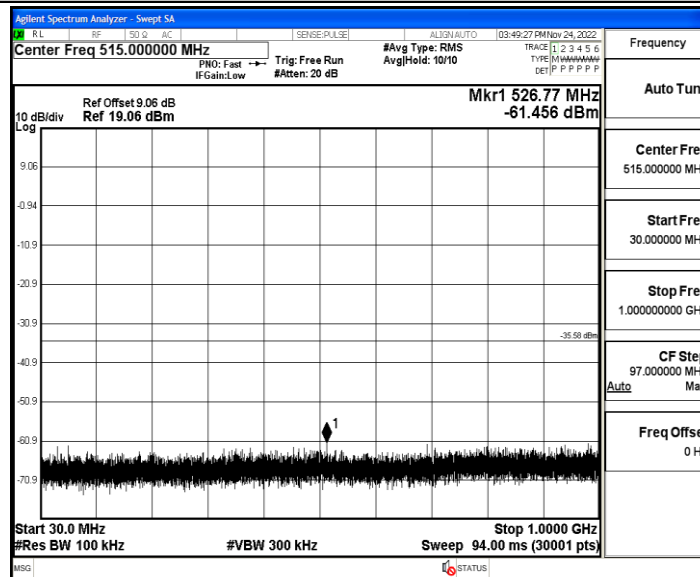
11N20SISO_Ant1_2437_1000~26500



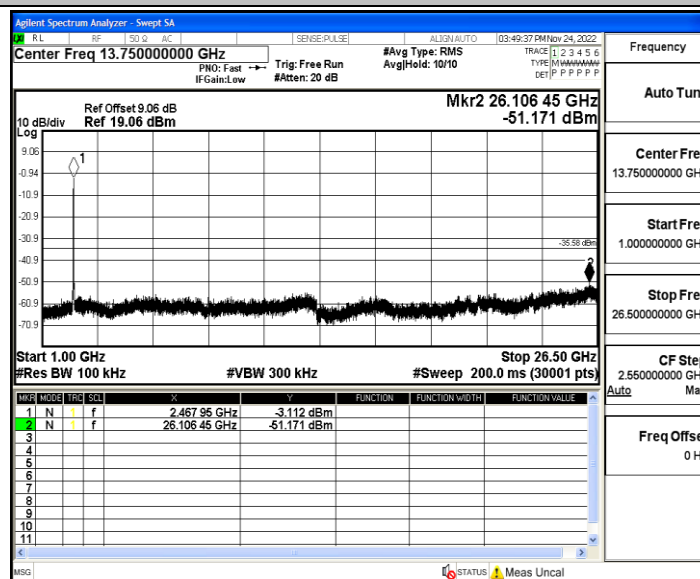
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



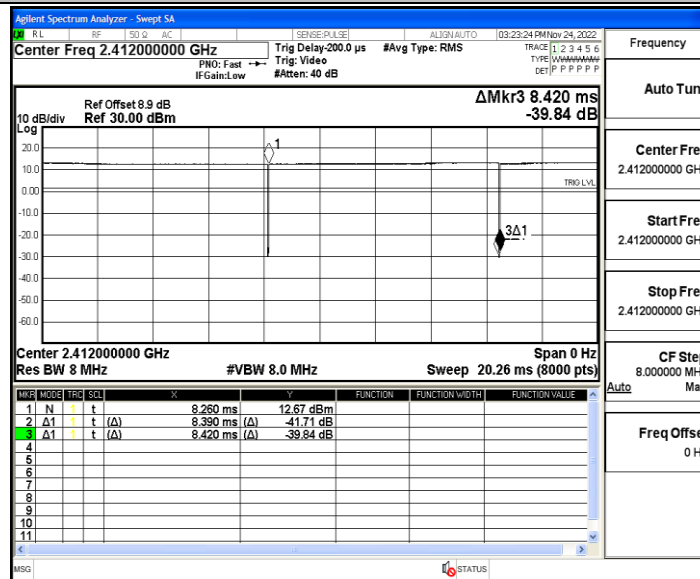
Appendix G: Duty Cycle

Test Result

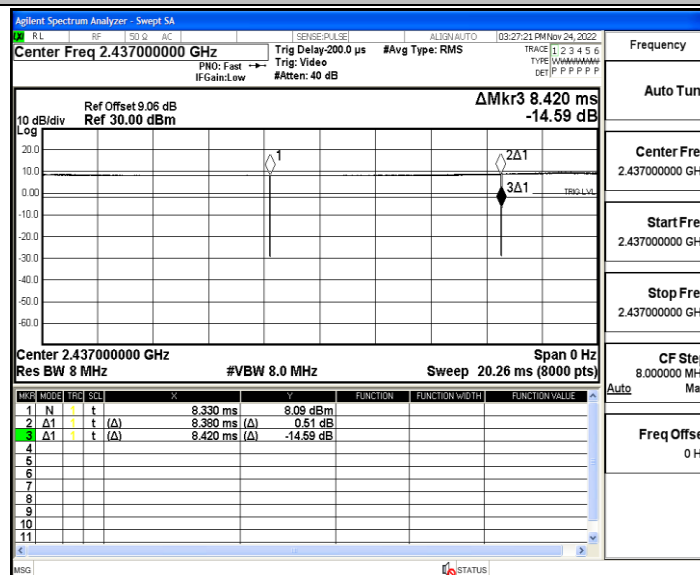
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T
11B	Ant1	2412	8.39	8.42	99.64	0.12
		2437	8.38	8.42	99.52	0.12
		2462	8.38	8.42	99.52	0.12
11G	Ant1	2412	1.39	1.45	95.86	0.72
		2437	1.39	1.49	93.29	0.72
		2462	1.40	1.45	96.55	0.71
11N20SISO	Ant1	2412	1.29	1.36	94.85	0.78
		2437	1.30	1.35	96.30	0.77
		2462	1.30	1.36	95.59	0.77

Test Graphs

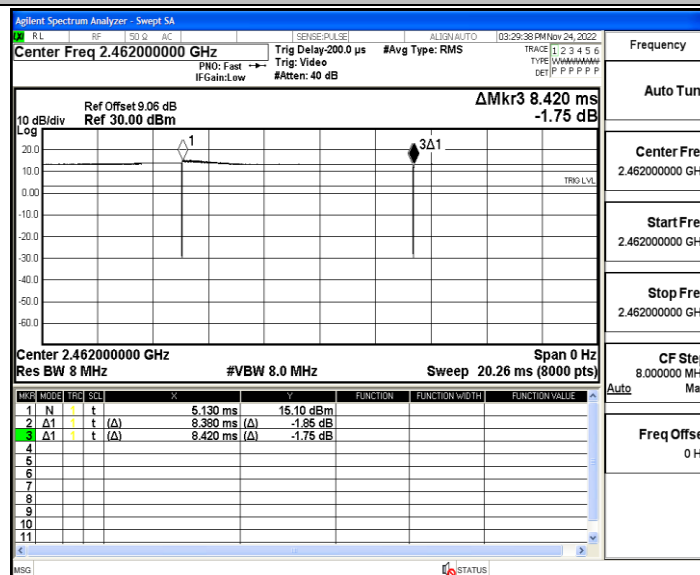
11B_Ant1_2412



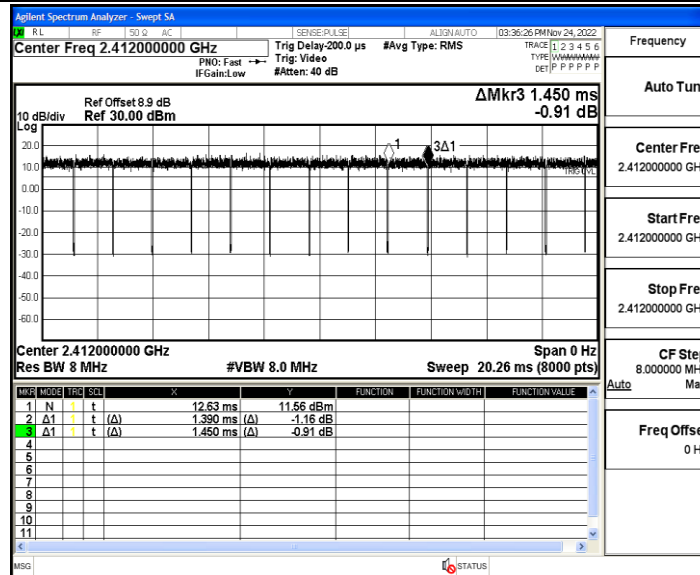
11B_Ant1_2437



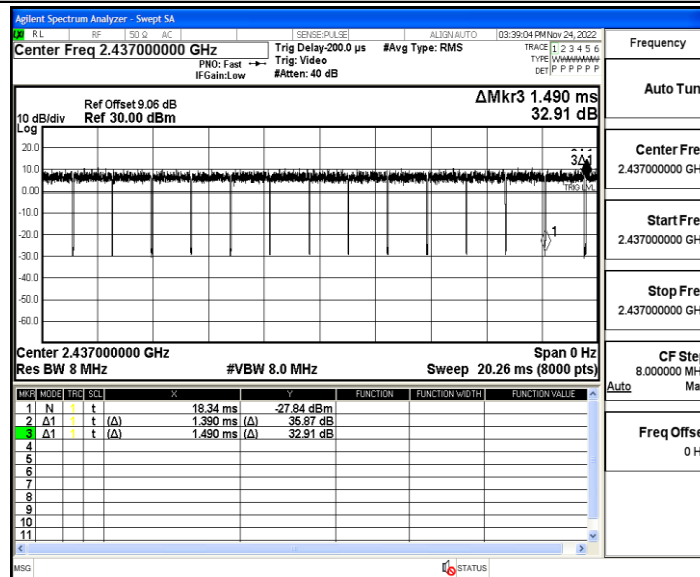
11B_Ant1_2462



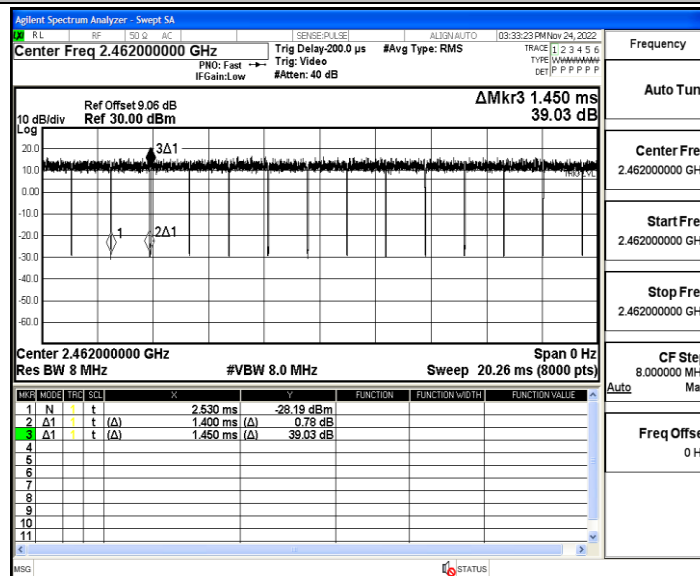
11G_Ant1_2412



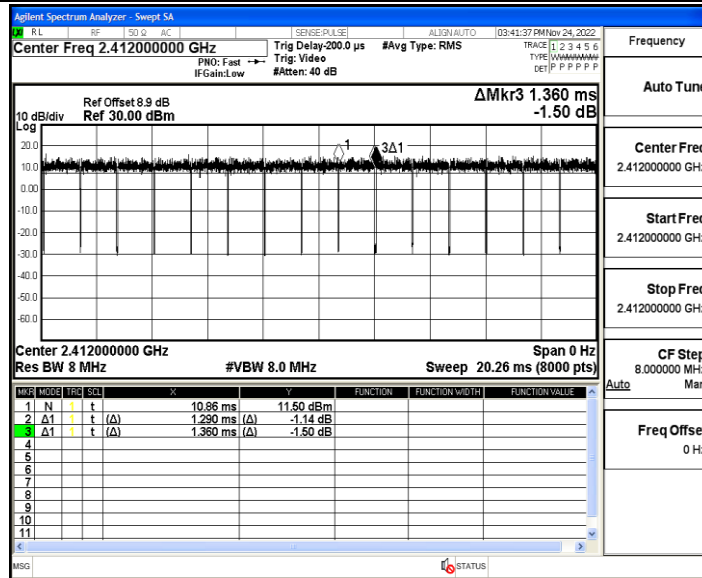
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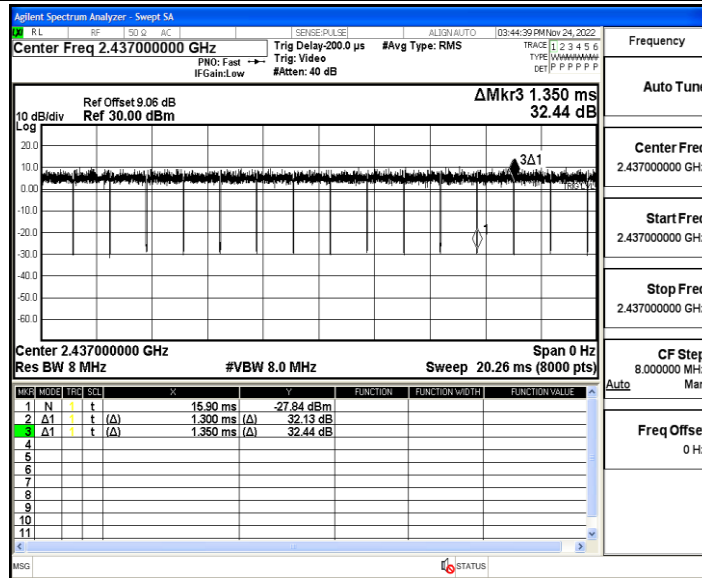
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

