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

Product Name: Mobile Phone

Trade Mark: TG

Test Model: TGMovil

FCC ID: 2BA86TGMOVIL

Environmental Conditions

Temperature:	23.3℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

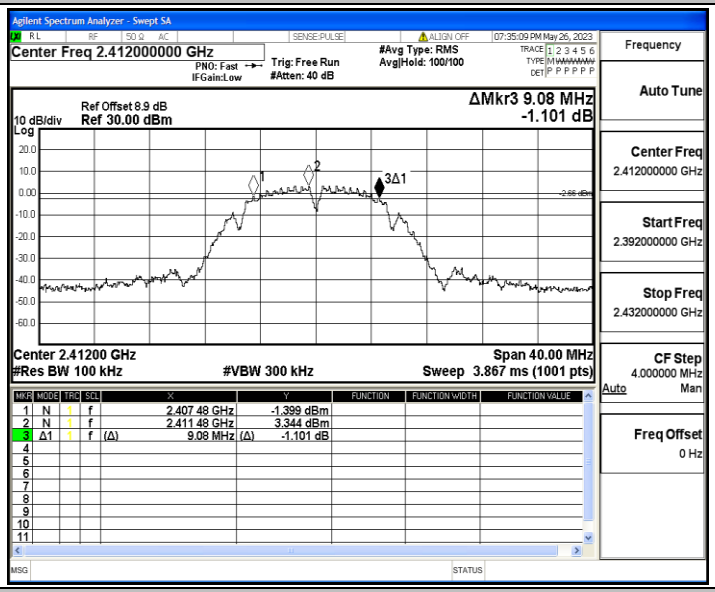
Appendix A: DTS Bandwidth

Test Result

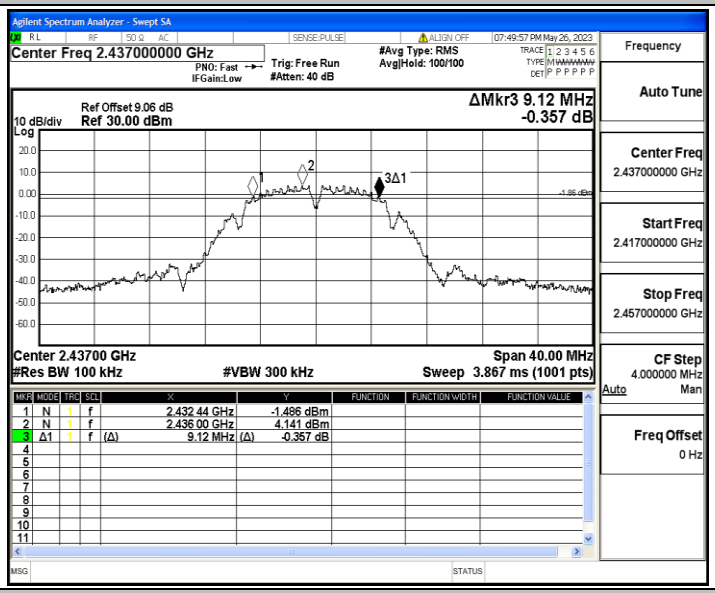
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.480	2416.560	0.5	PASS
		2437	9.120	2432.440	2441.560	0.5	PASS
		2462	9.080	2457.440	2466.520	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.200	2420.760	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.280	2453.200	2470.480	0.5	PASS

Test Graphs

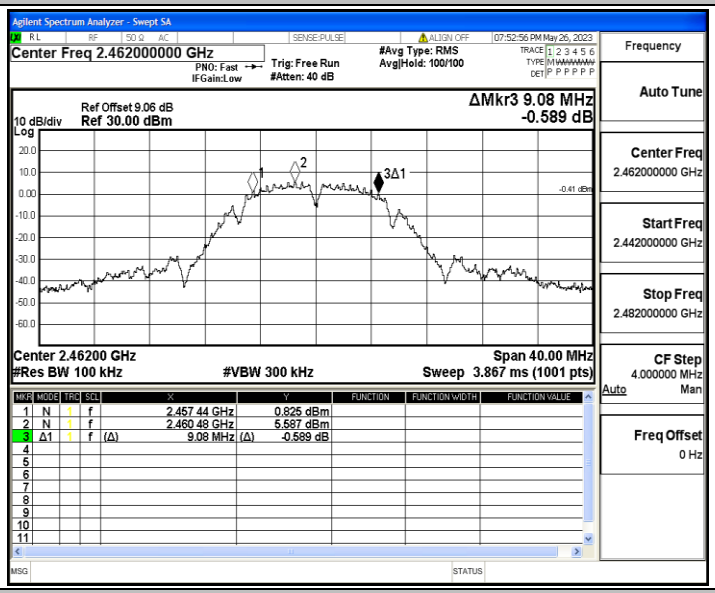
11B_Ant1_2412



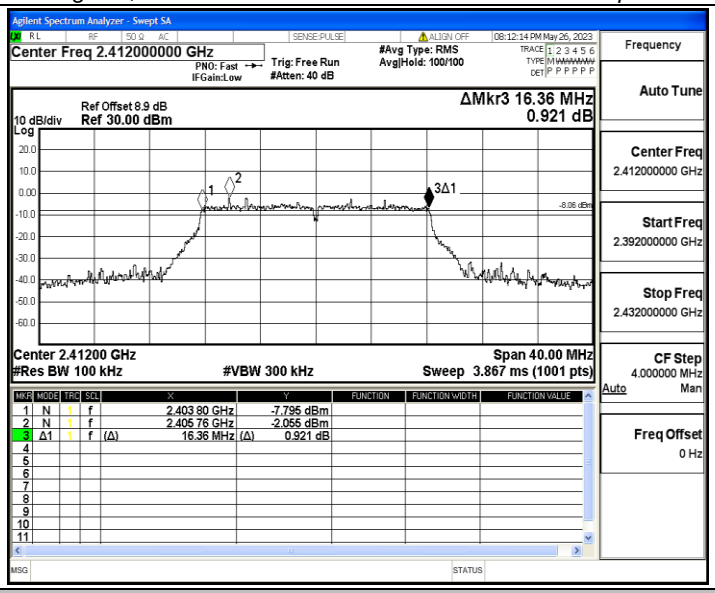
11B_Ant1_2437



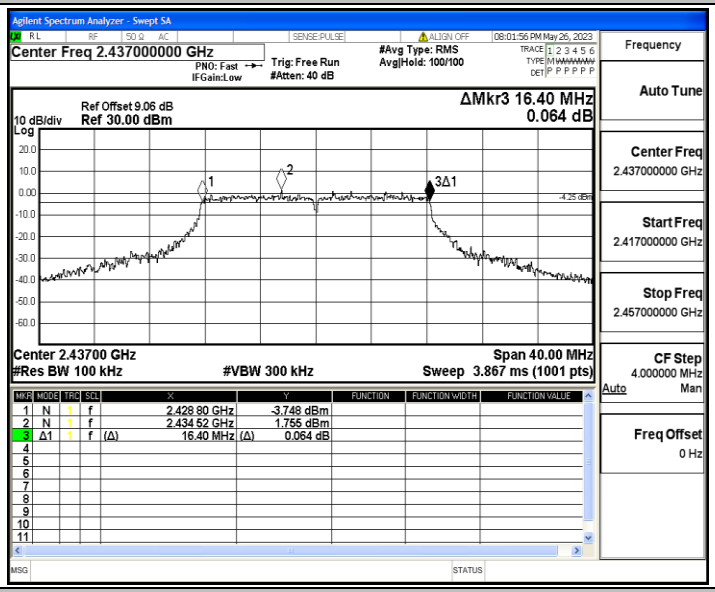
11B_Ant1_2462



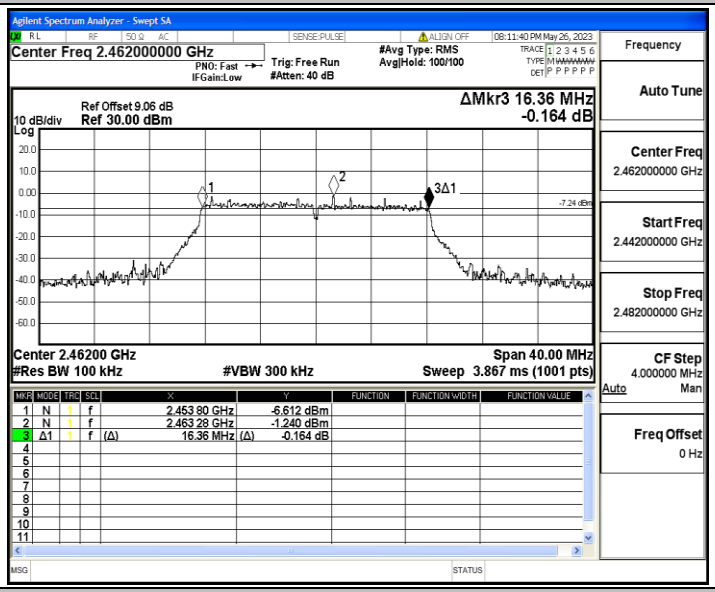
11G_Ant1_2412



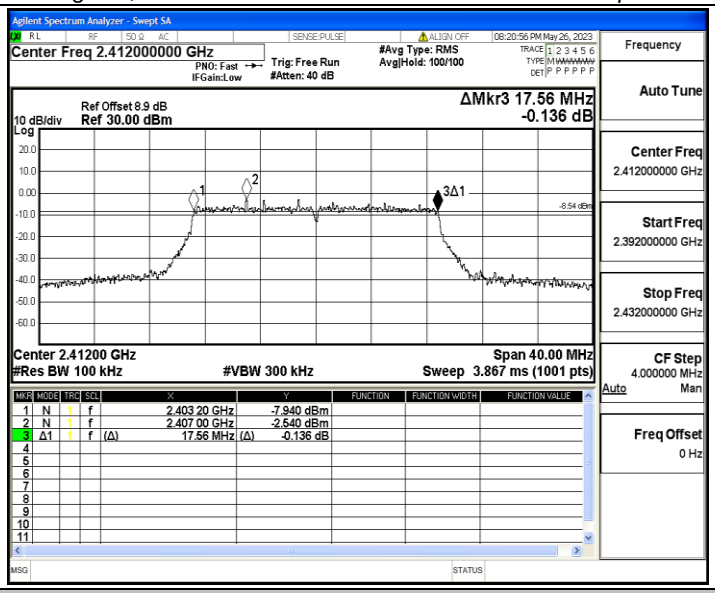
11G_Ant1_2437



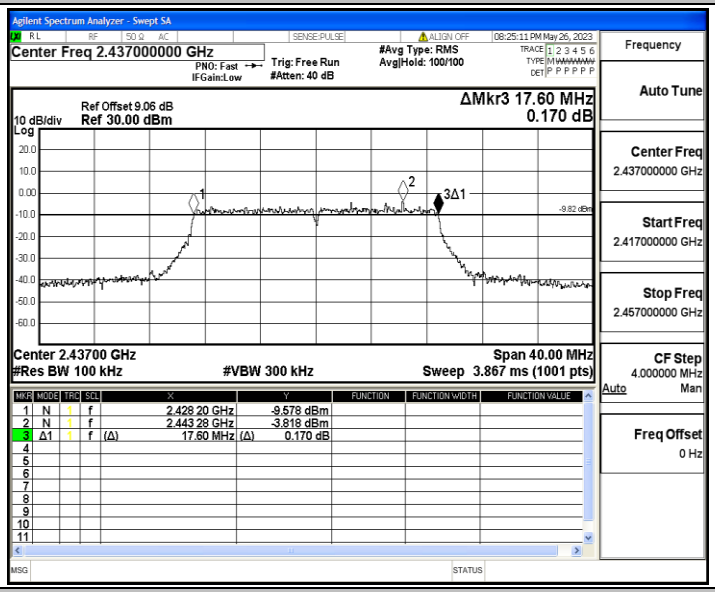
11G_Ant1_2462



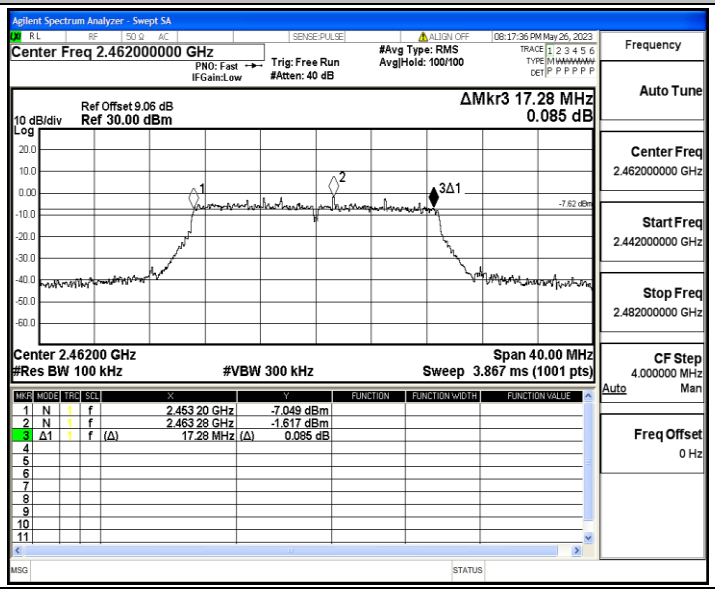
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



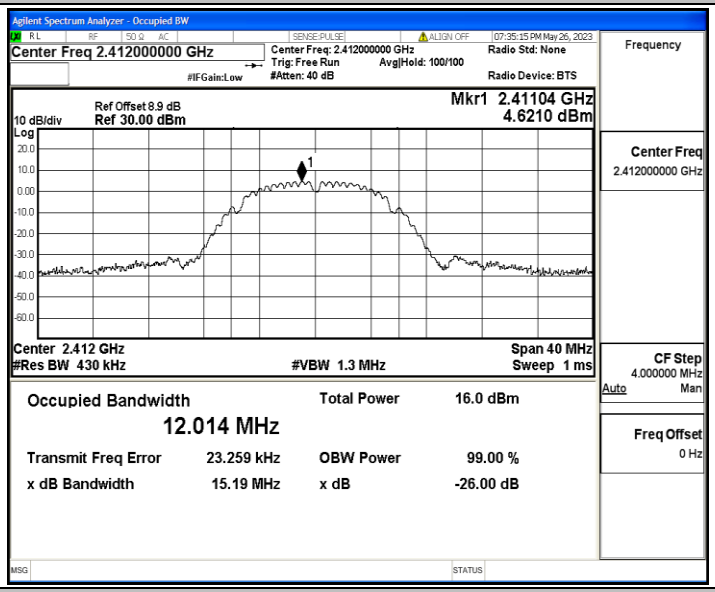
Appendix B: Occupied Channel Bandwidth

Test Result

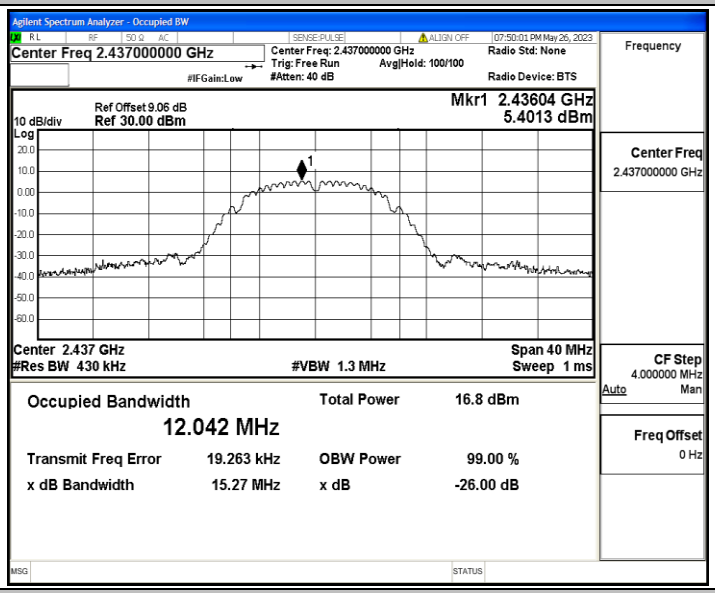
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.014	2406.0163	2418.0303	---	---
		2437	12.042	2430.9983	2443.0403	---	---
		2462	12.230	2455.8454	2468.0754	---	---
11G	Ant1	2412	17.272	2403.3683	2420.6403	---	---
		2437	17.376	2428.2990	2445.6750	---	---
		2462	17.286	2453.3115	2470.5975	---	---
11N20SISO	Ant1	2412	18.185	2402.9021	2421.0871	---	---
		2437	18.144	2427.9933	2446.1373	---	---
		2462	18.046	2452.9608	2471.0068	---	---

Test Graphs

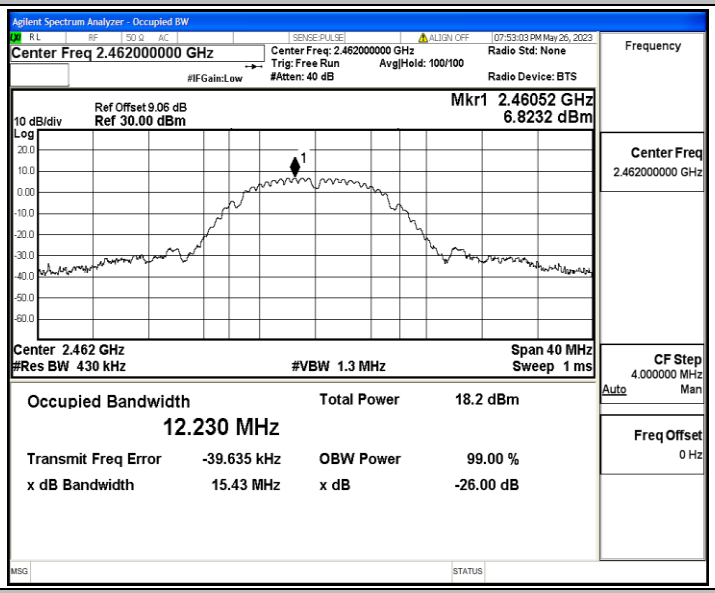
11B_Ant1_2412



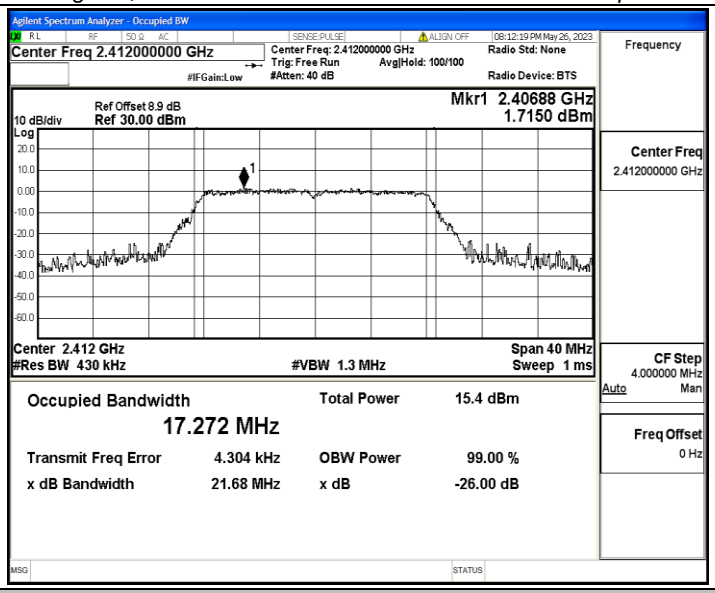
11B_Ant1_2437



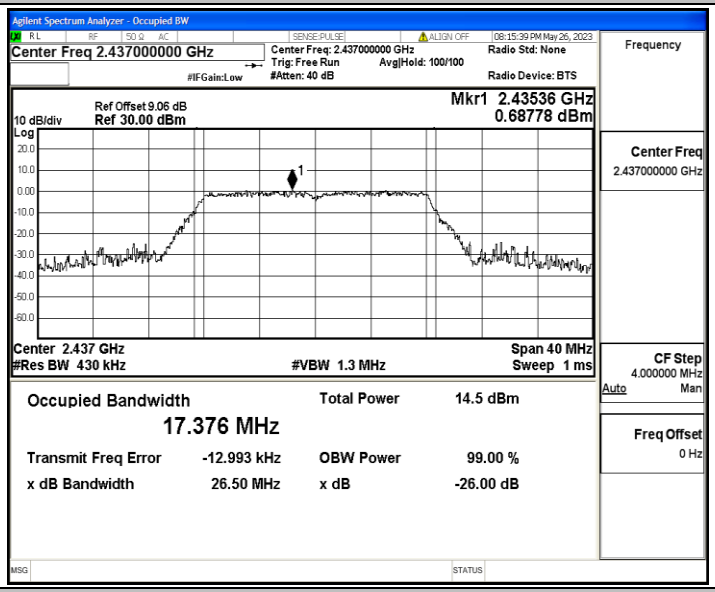
11B_Ant1_2462



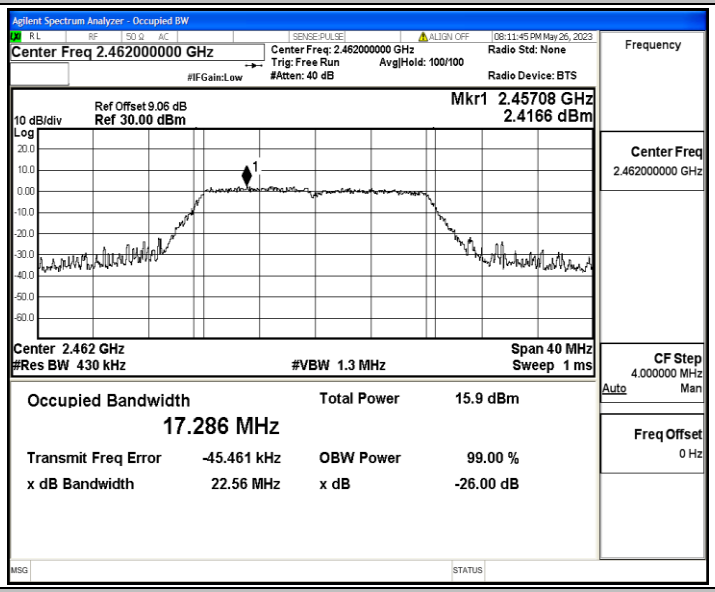
11G_Ant1_2412



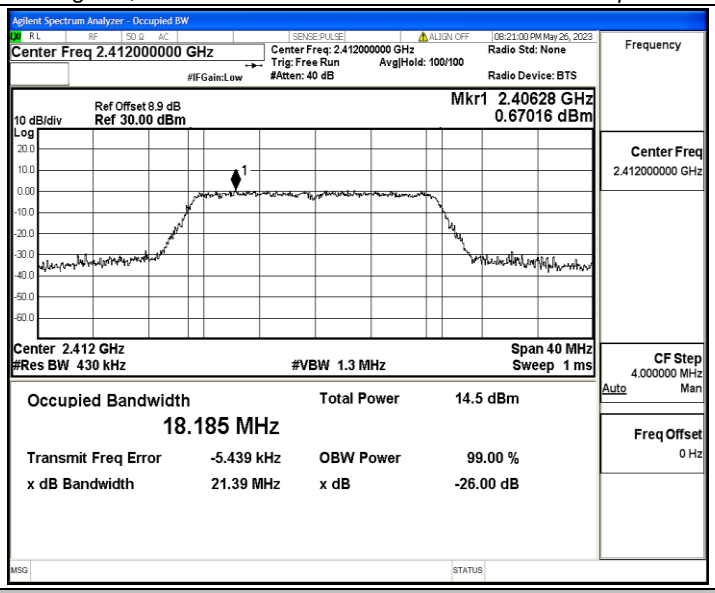
11G_Ant1_2437



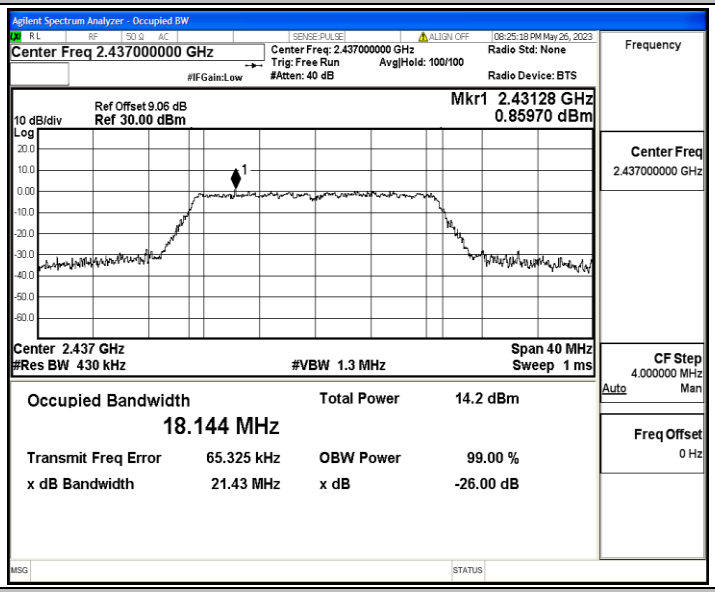
11G_Ant1_2462



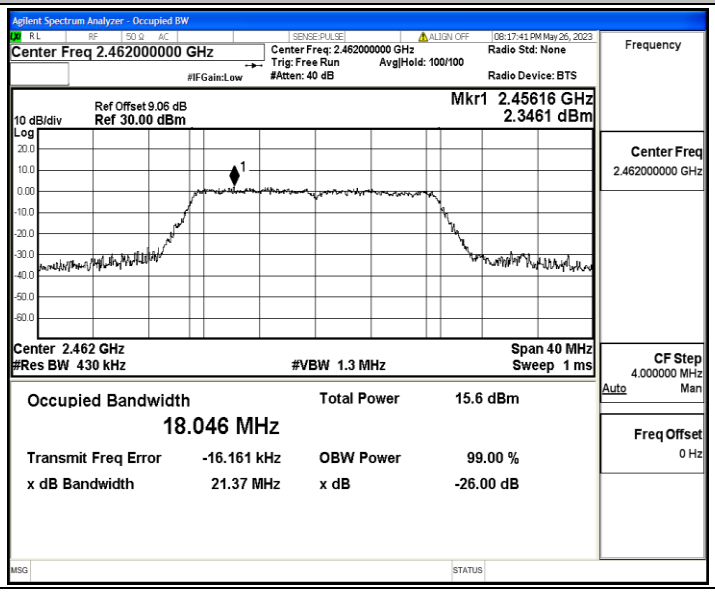
11N20SISO_Ant1_2412



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	14.62	≤30.00	PASS
		2437	13.86	≤30.00	PASS
		2462	15.21	≤30.00	PASS
11G	Ant1	2412	9.35	≤30.00	PASS
		2437	8.52	≤30.00	PASS
		2462	10.39	≤30.00	PASS
11N20SISO	Ant1	2412	8.44	≤30.00	PASS
		2437	8.04	≤30.00	PASS
		2462	9.72	≤30.00	PASS

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

Appendix D: Maximum power spectral density

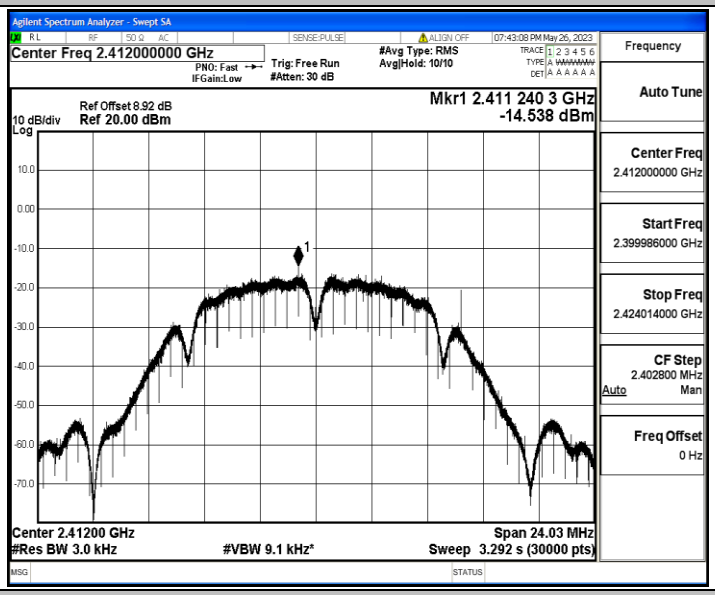
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.54	≤8.00	PASS
		2437	-7.38	≤8.00	PASS
		2462	-7.55	≤8.00	PASS
11G	Ant1	2412	-20.47	≤8.00	PASS
		2437	-22.82	≤8.00	PASS
		2462	-19.88	≤8.00	PASS
11N20SISO	Ant1	2412	-20.92	≤8.00	PASS
		2437	-21.43	≤8.00	PASS
		2462	-19.85	≤8.00	PASS

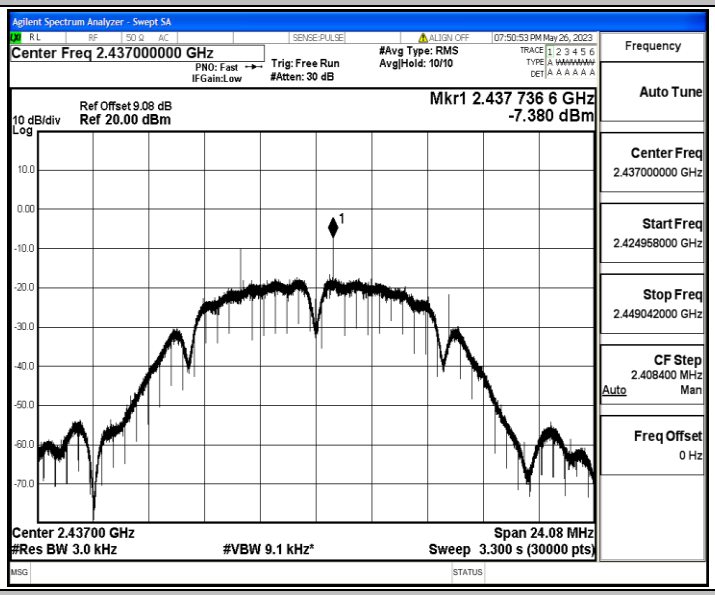
Note：The Duty Cycle Factor is compensated in the test result.

Test Graphs

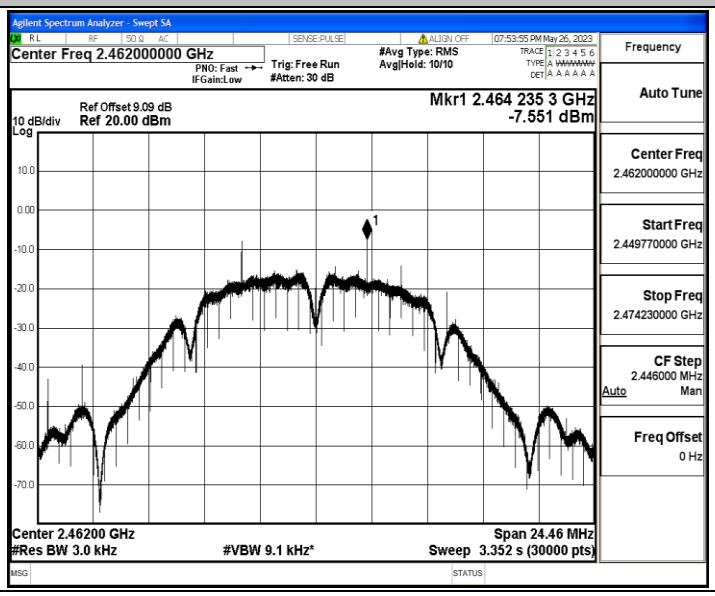
11B_Ant1_2412



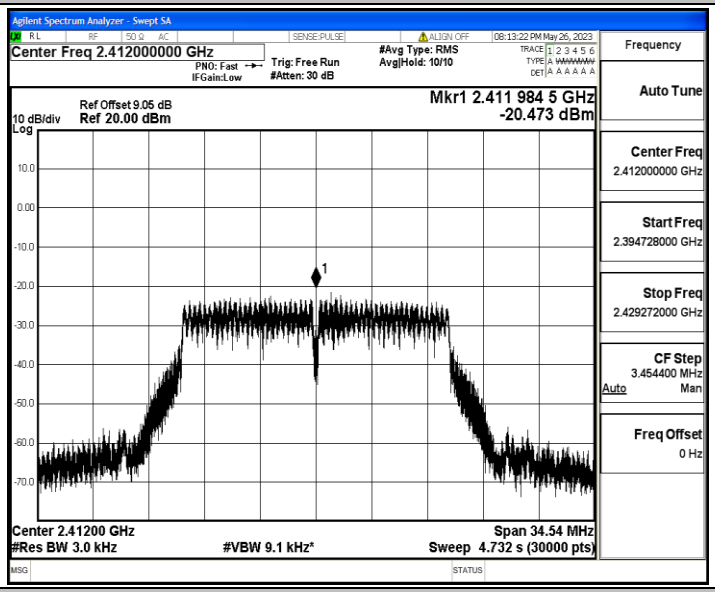
11B_Ant1_2437



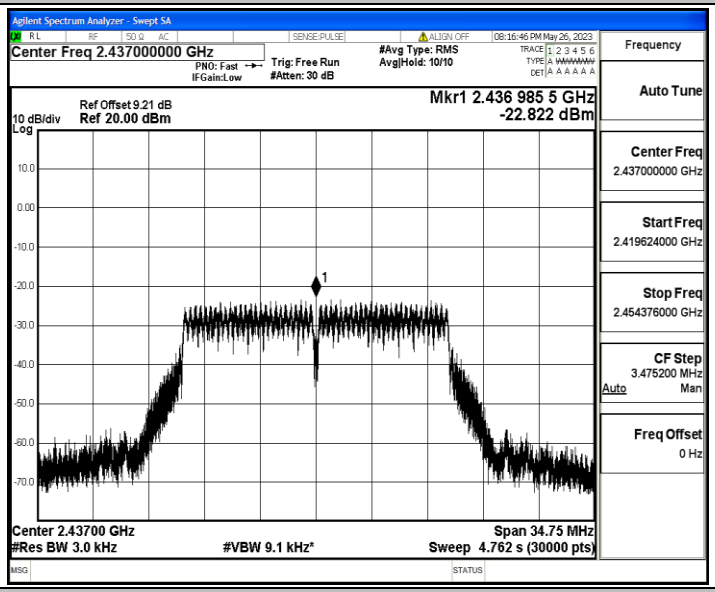
11B_Ant1_2462



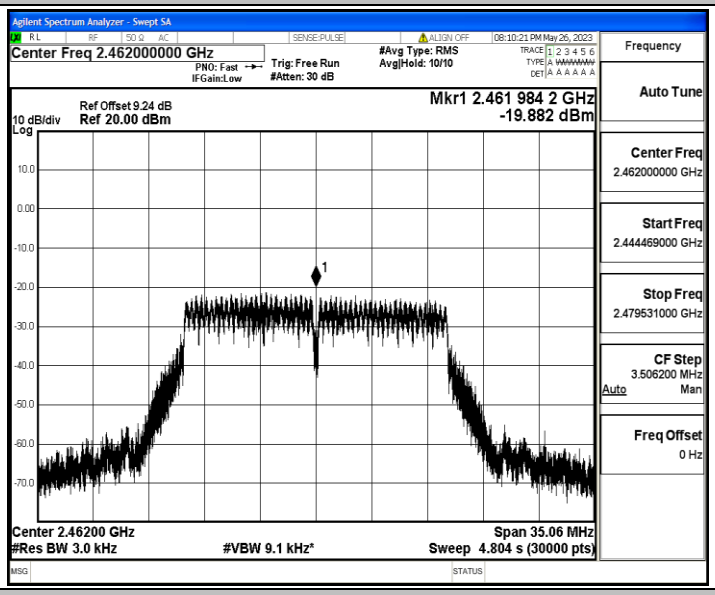
11G_Ant1_2412



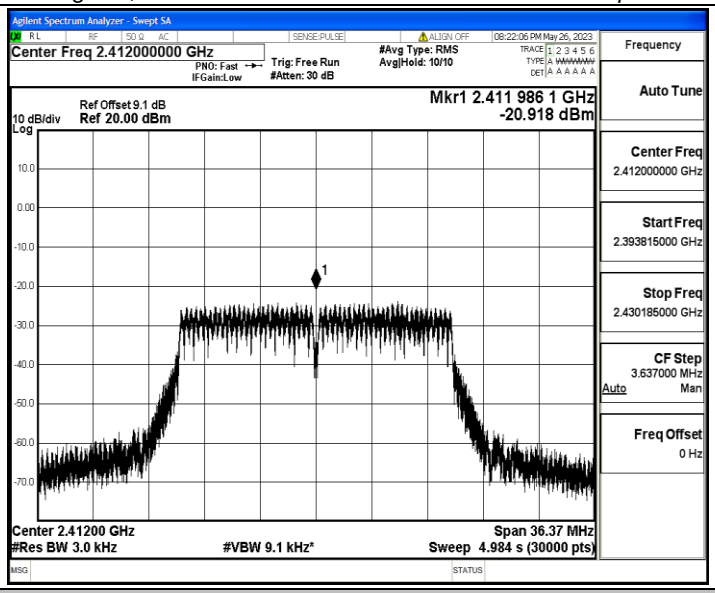
11G_Ant1_2437



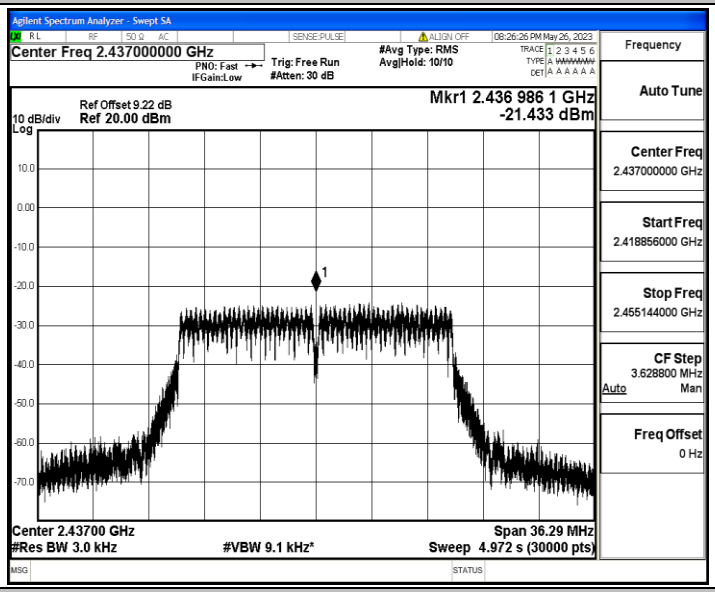
11G_Ant1_2462



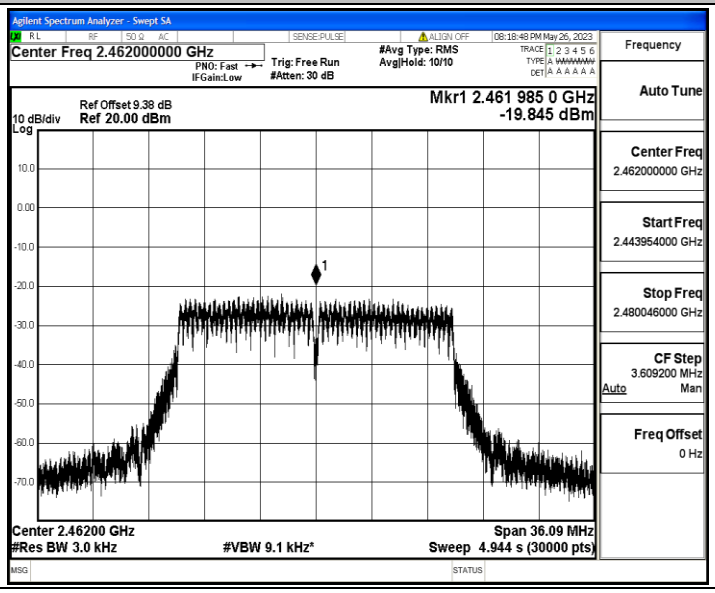
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



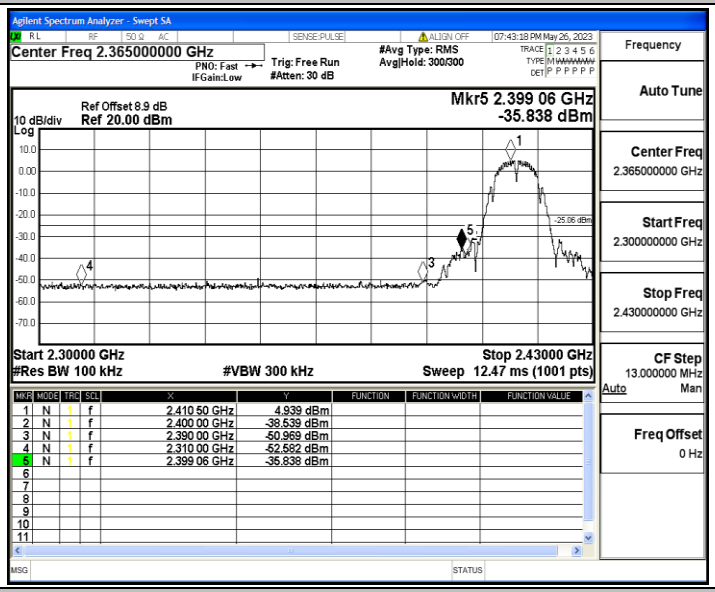
Appendix E: Band edge measurements

Test Result

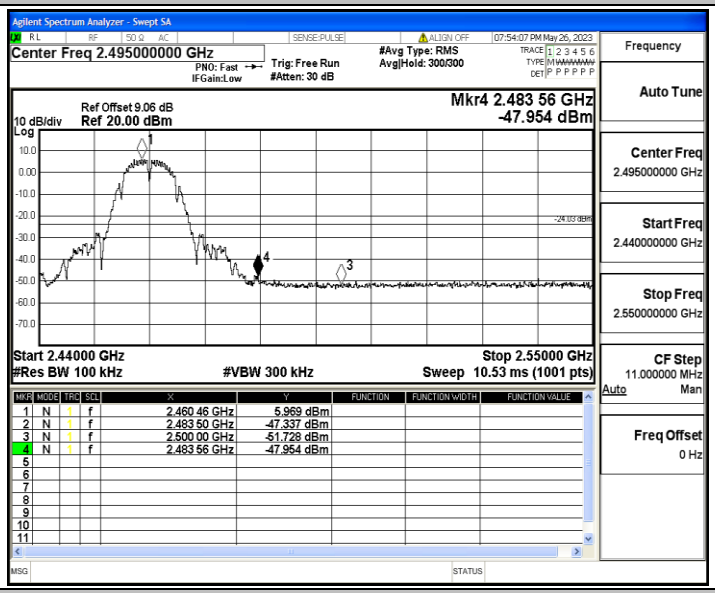
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.94	-35.84	≤-25.06	PASS
		High	2462	5.97	-47.95	≤-24.03	PASS
11G	Ant1	Low	2412	-2.11	-34.33	≤-32.11	PASS
		High	2462	-0.75	-43.9	≤-30.75	PASS
11N20SISO	Ant1	Low	2412	-2.78	-36.96	≤-32.78	PASS
		High	2462	-0.87	-43.83	≤-30.87	PASS

Test Graphs

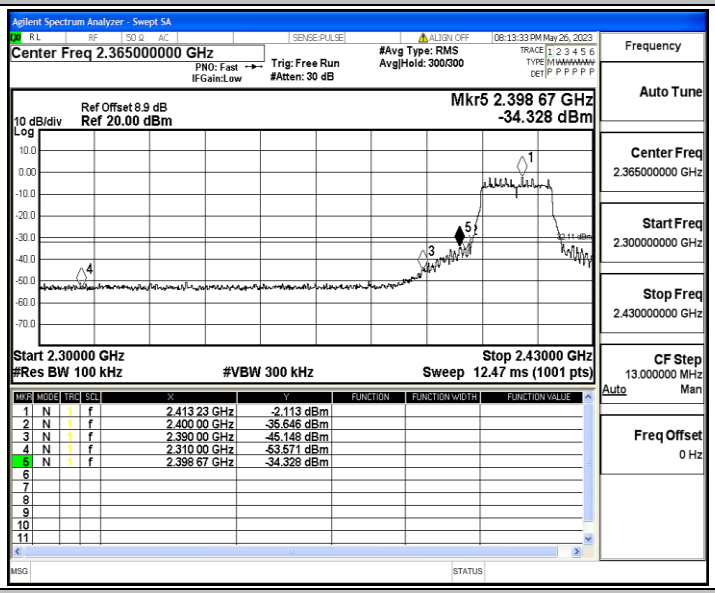
11B_Ant1_Low_2412



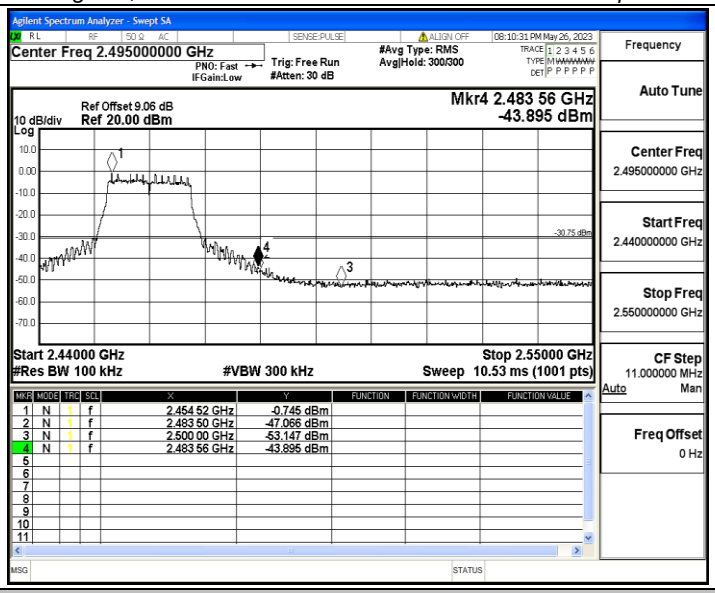
11B_Ant1_High_2462



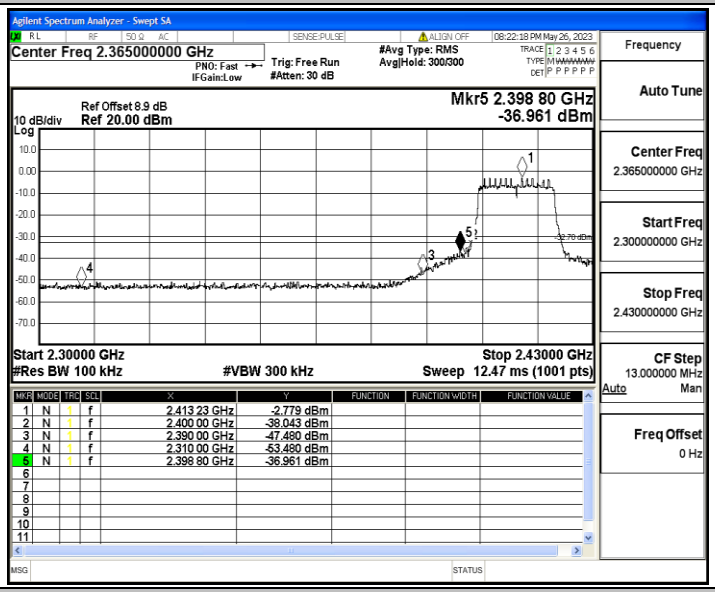
11G_Ant1_Low_2412



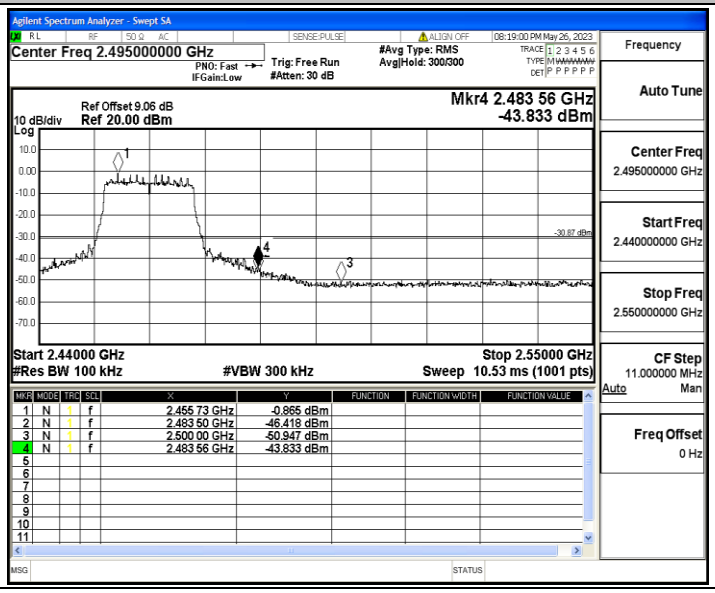
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



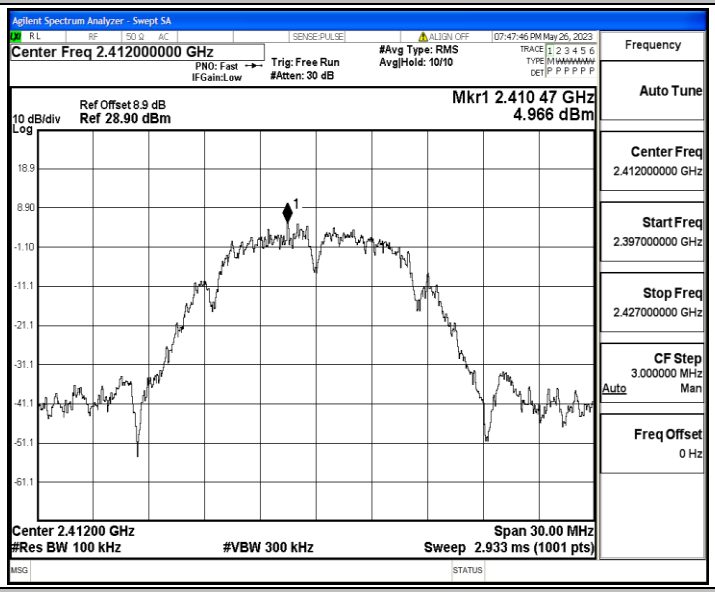
Appendix F: Conducted Spurious Emission

Test Result

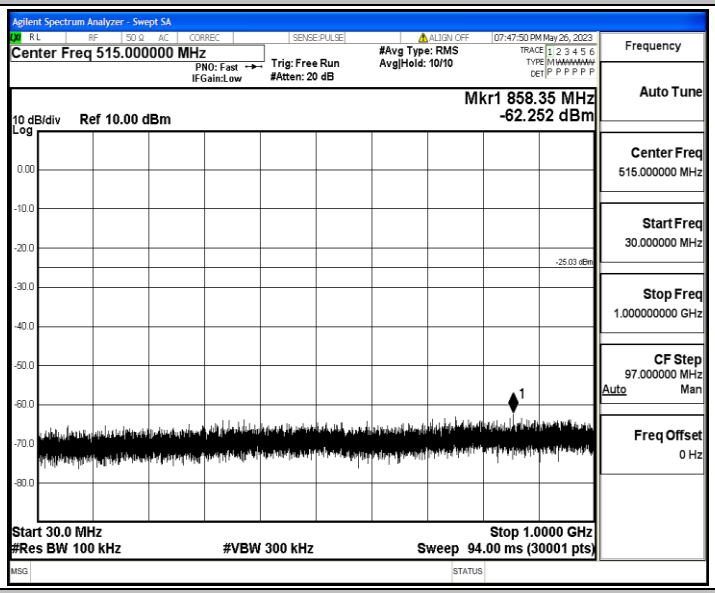
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.97	4.97	---	PASS
			30~1000	4.97	-62.25	≤-25.03	PASS
			1000~26500	4.97	-49.32	≤-25.03	PASS
		2437	Reference	3.26	3.26	---	PASS
			30~1000	3.26	-62.4	≤-26.74	PASS
			1000~26500	3.26	-49.96	≤-26.74	PASS
		2462	Reference	5.64	5.64	---	PASS
			30~1000	5.64	-62.77	≤-24.36	PASS
			1000~26500	5.64	-50.13	≤-24.36	PASS
11G	Ant1	2412	Reference	-2.61	-2.61	---	PASS
			30~1000	-2.61	-63.05	≤-32.61	PASS
			1000~26500	-2.61	-50.35	≤-32.61	PASS
		2437	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-62.64	≤-28.14	PASS
			1000~26500	1.86	-50.32	≤-28.14	PASS
		2462	Reference	-0.86	-0.86	---	PASS
			30~1000	-0.86	-62.27	≤-30.86	PASS
			1000~26500	-0.86	-49.82	≤-30.86	PASS
11N20SISO	Ant1	2412	Reference	-6.62	-6.62	---	PASS
			30~1000	-6.62	-62.28	≤-36.62	PASS
			1000~26500	-6.62	-49.91	≤-36.62	PASS
		2437	Reference	-3.46	-3.46	---	PASS
			30~1000	-3.46	-61.28	≤-33.46	PASS
			1000~26500	-3.46	-49.77	≤-33.46	PASS
		2462	Reference	-2.95	-2.95	---	PASS
			30~1000	-2.95	-62.59	≤-32.95	PASS
			1000~26500	-2.95	-50.39	≤-32.95	PASS

Test Graphs

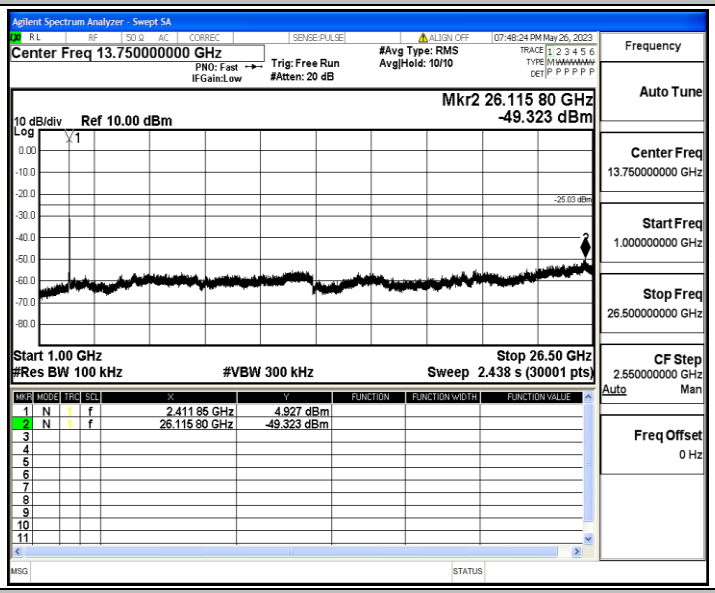
11B_Ant1_2412_0~Reference



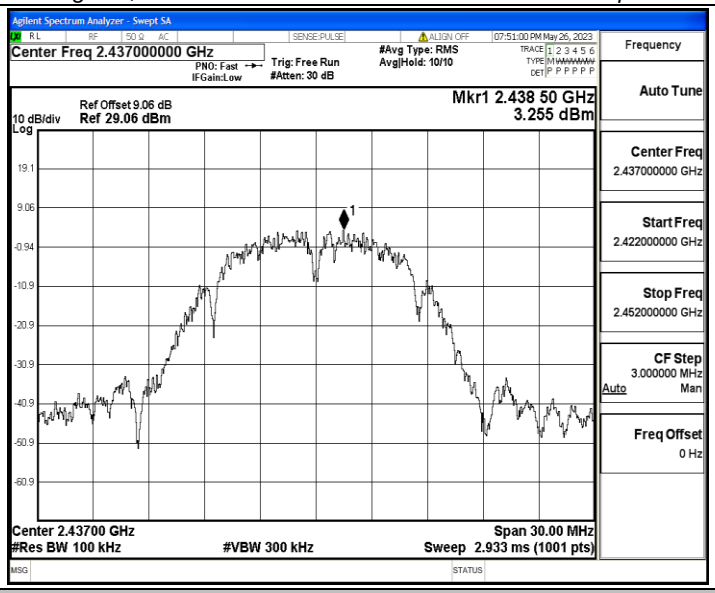
11B_Ant1_2412_30~1000



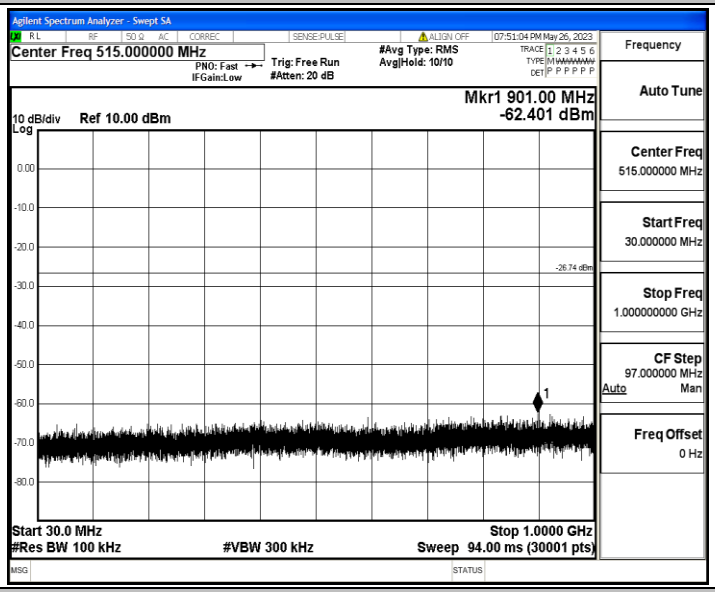
11B_Ant1_2412_1000~26500



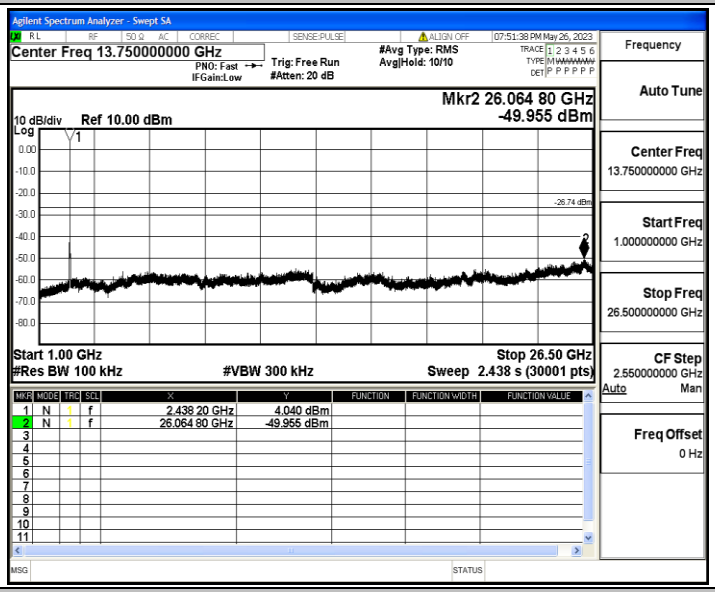
11B_Ant1_2437_0~Reference



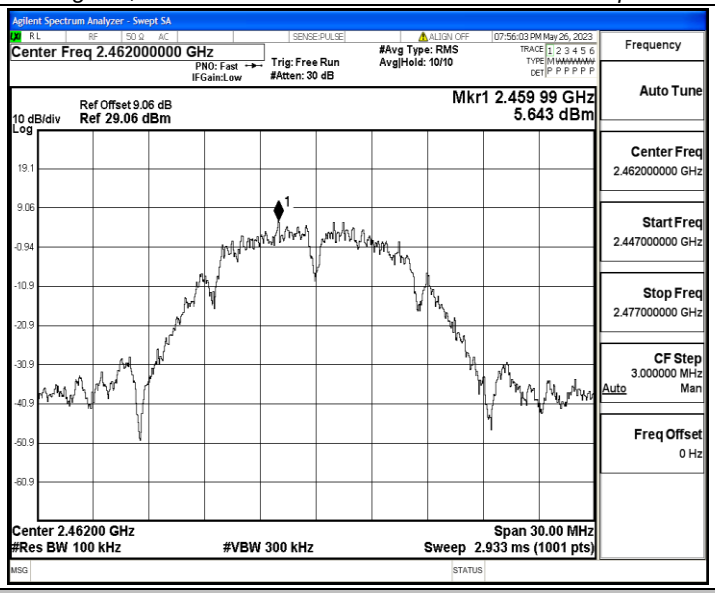
11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



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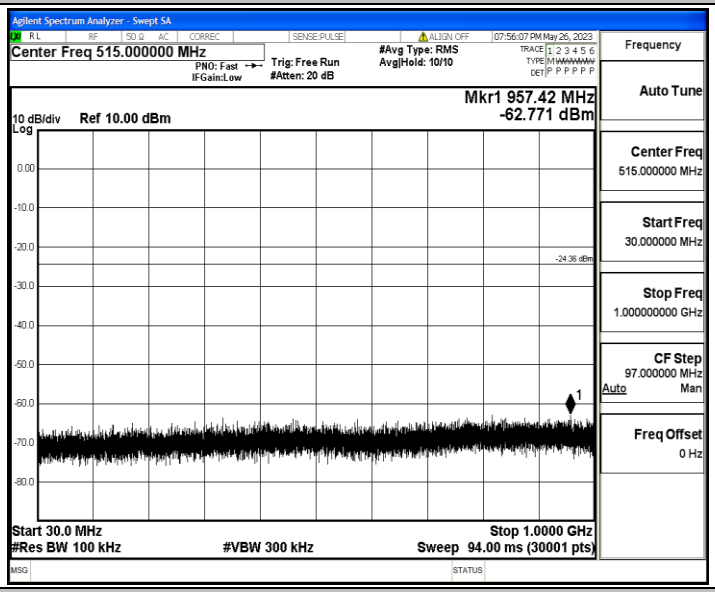

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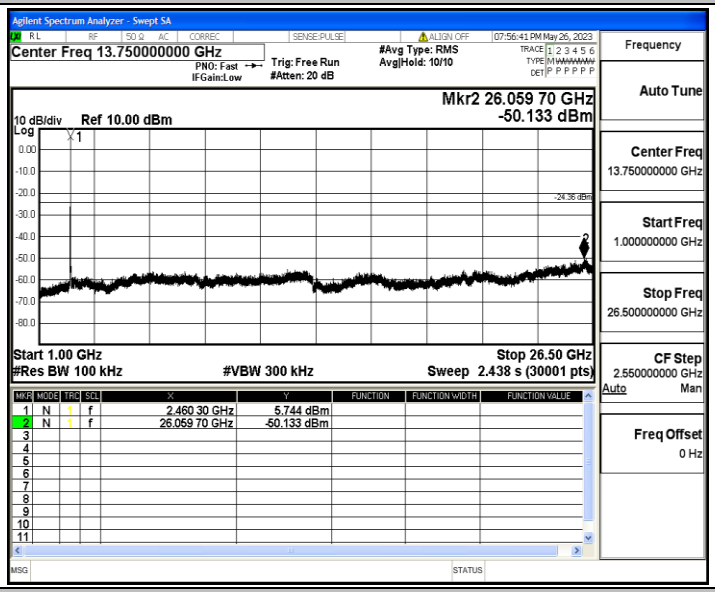

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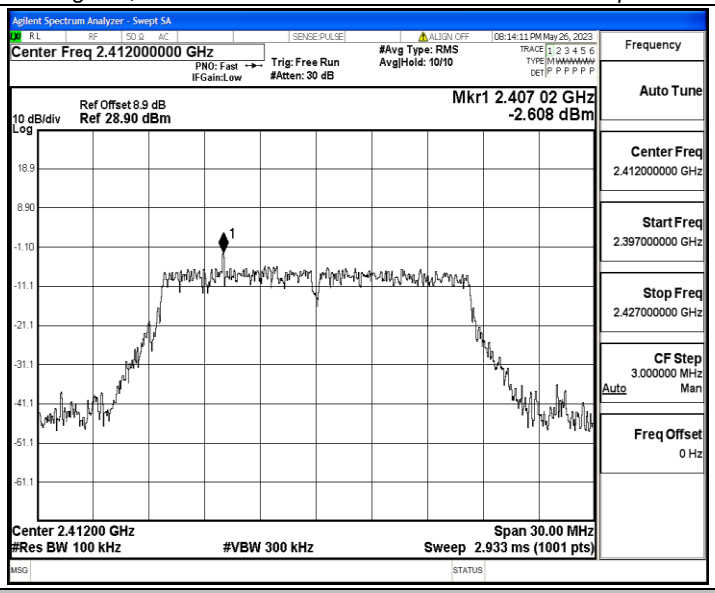

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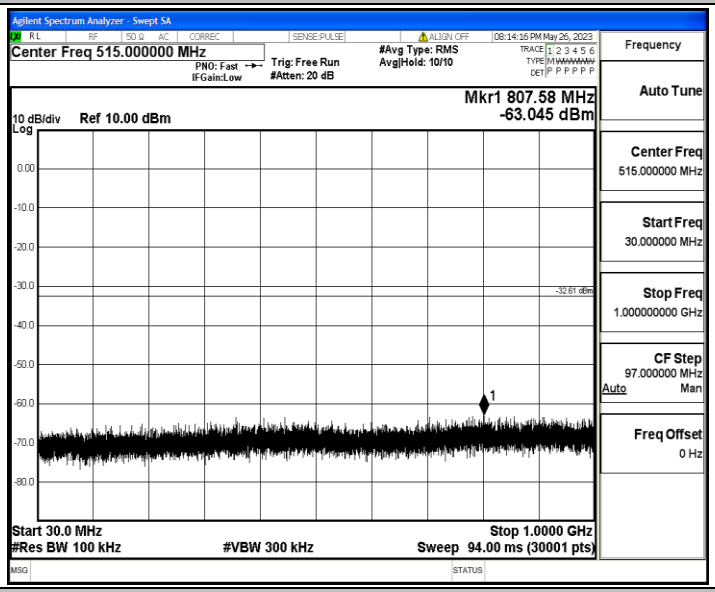

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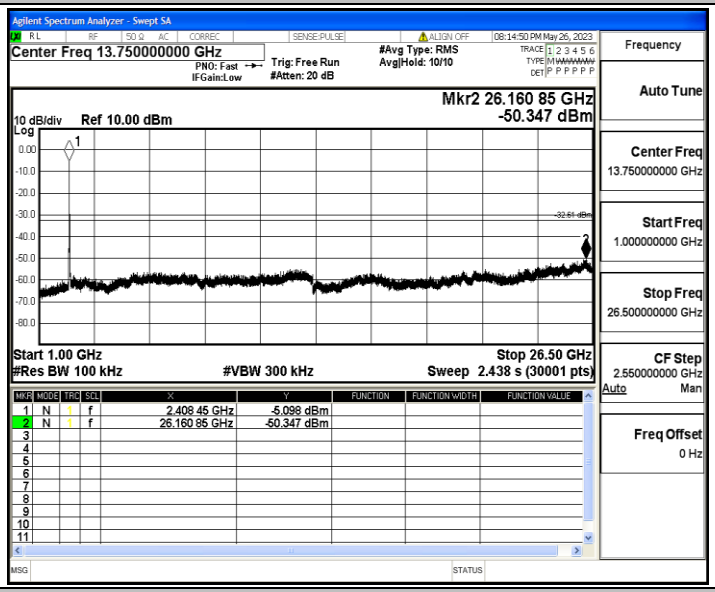

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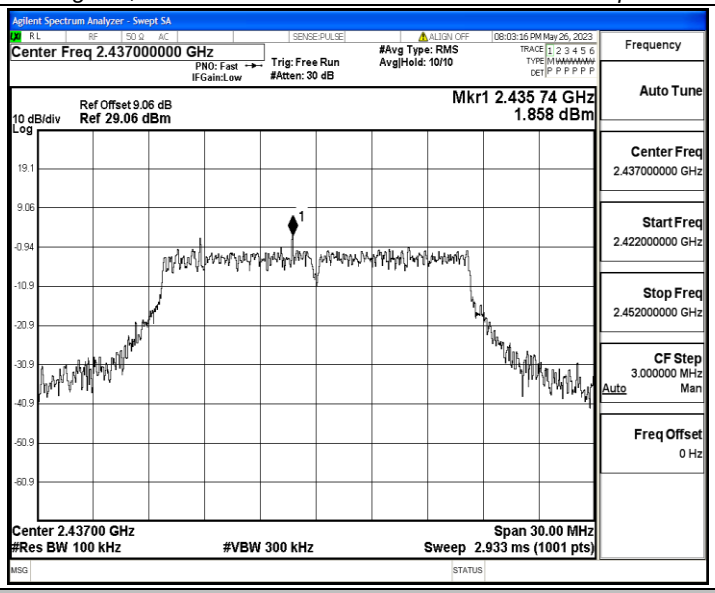

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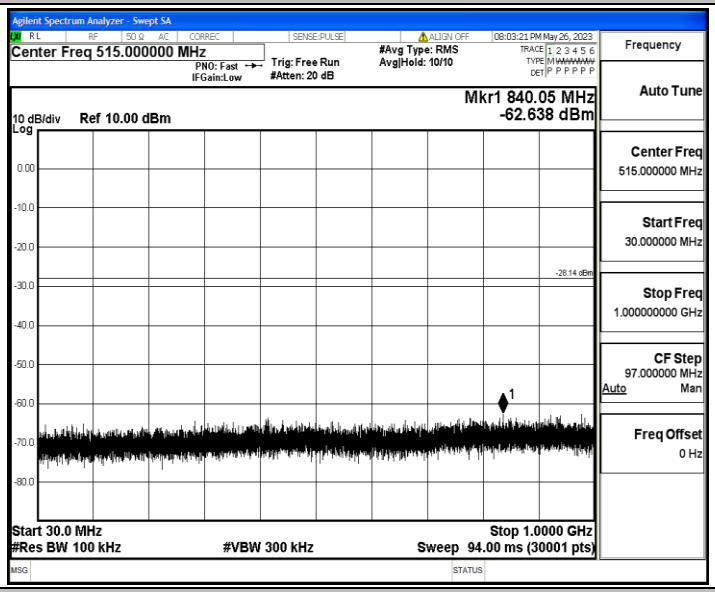

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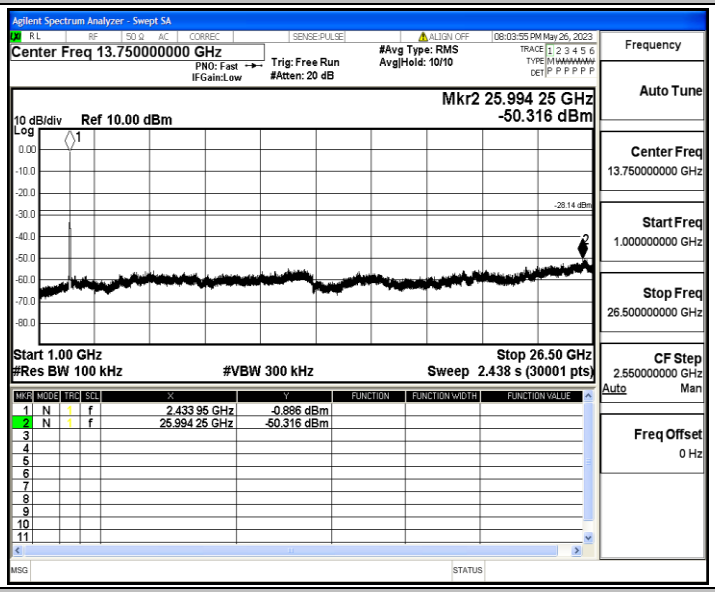

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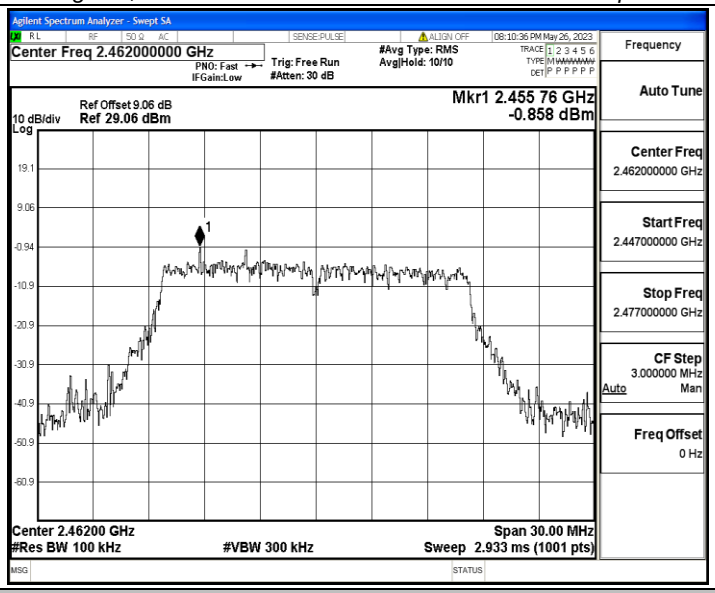

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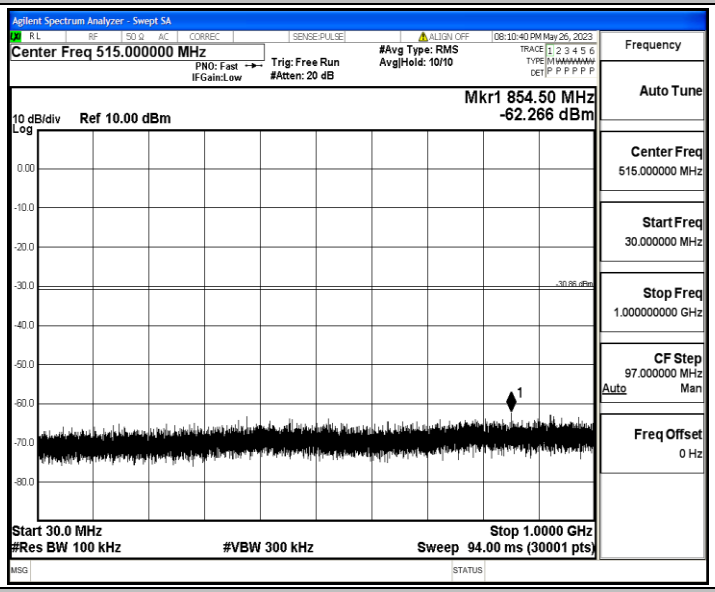

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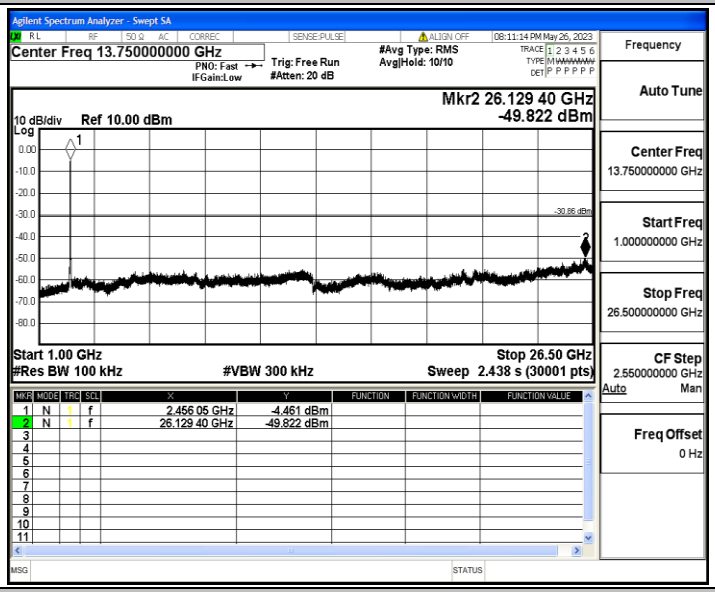

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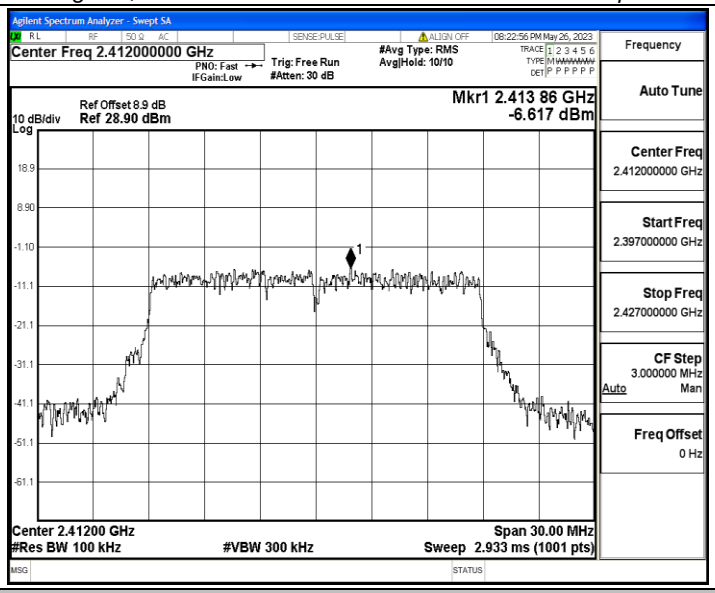

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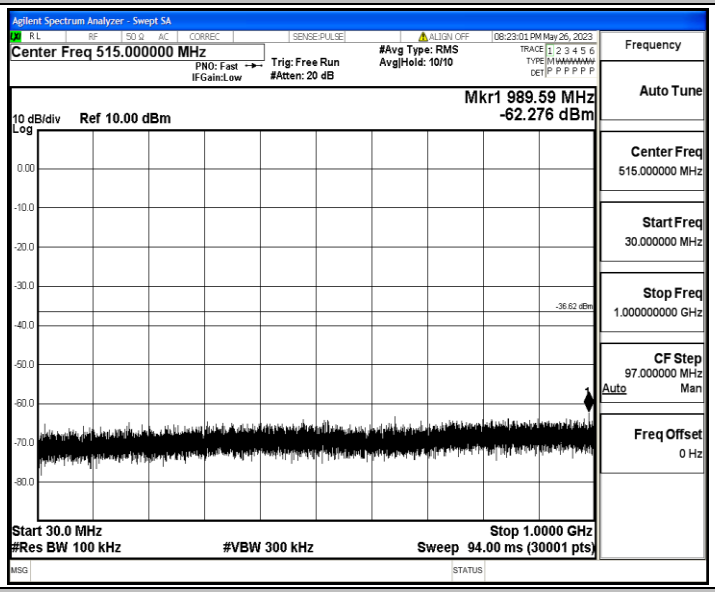

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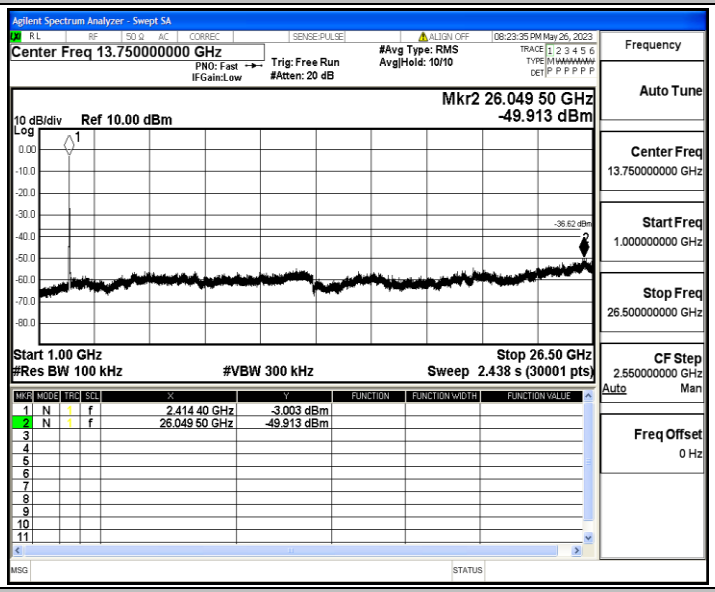

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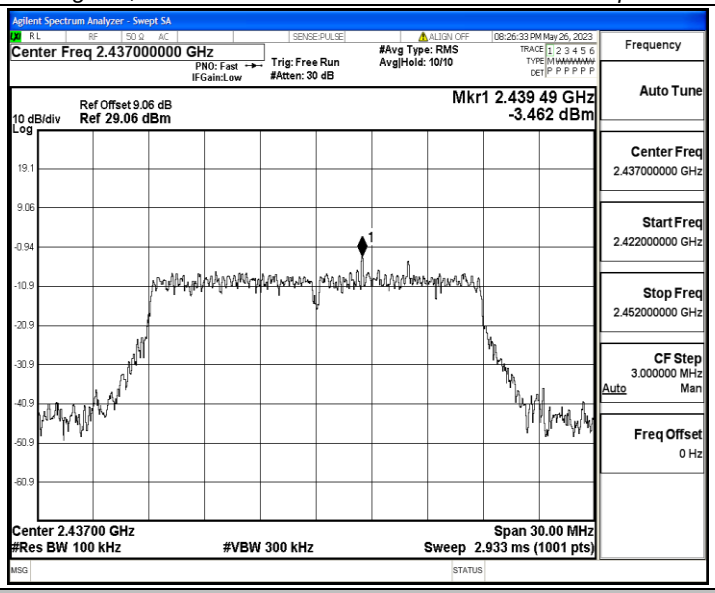

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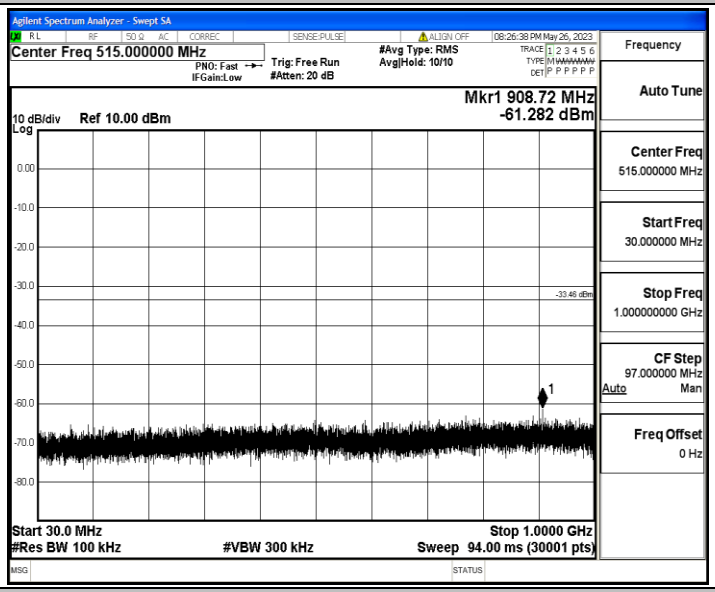

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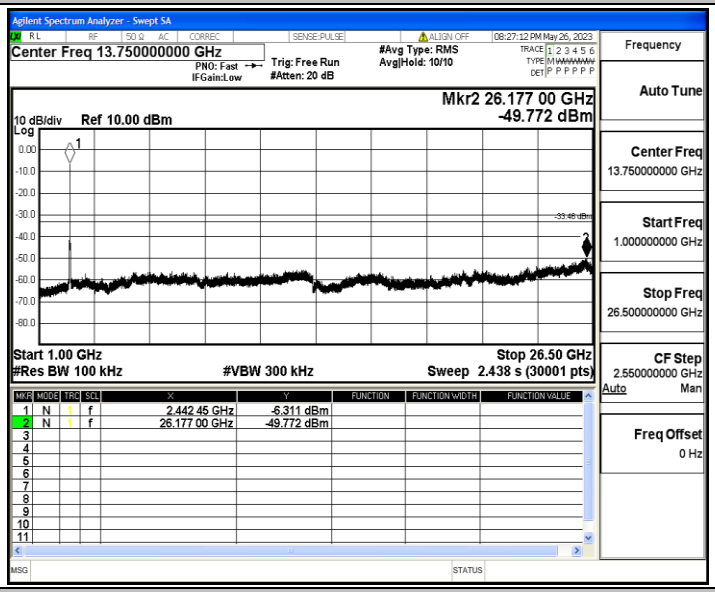

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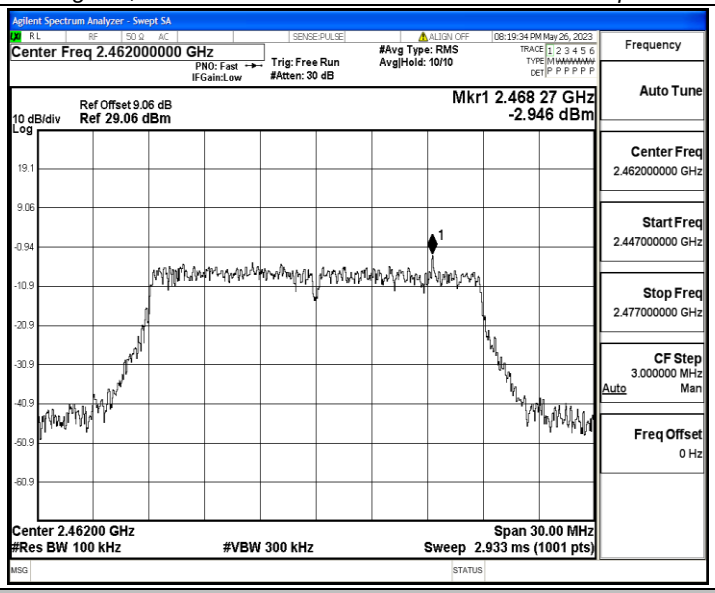

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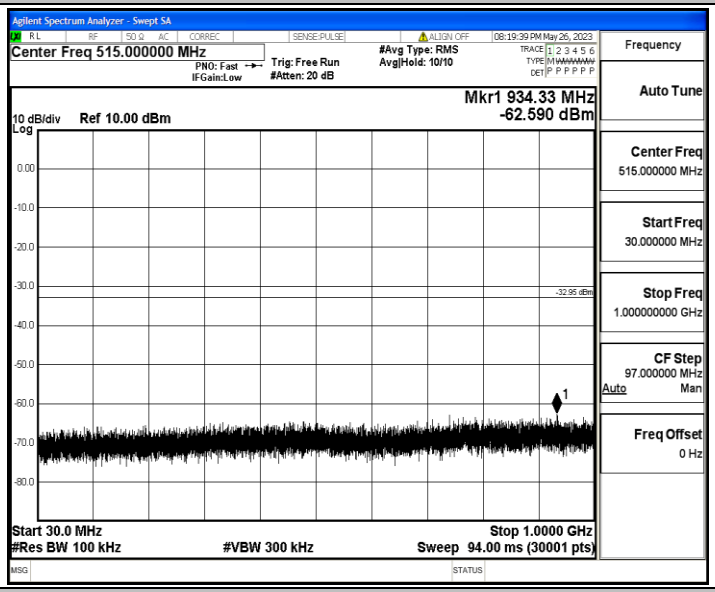

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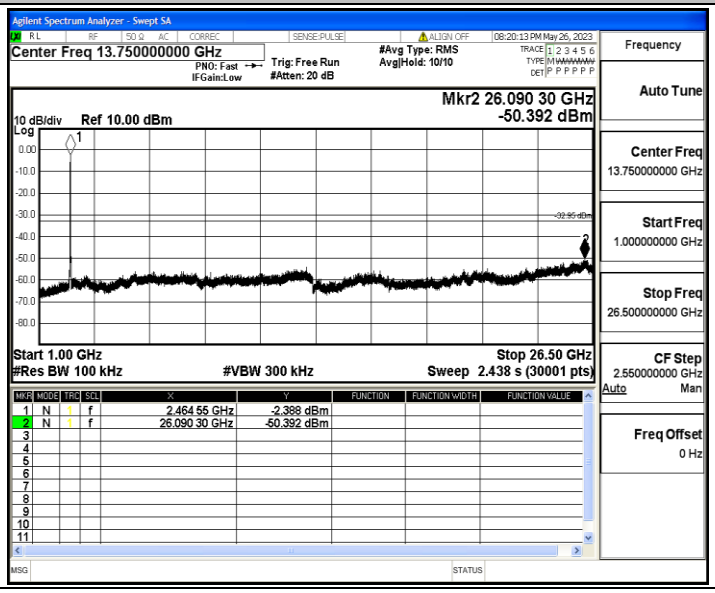


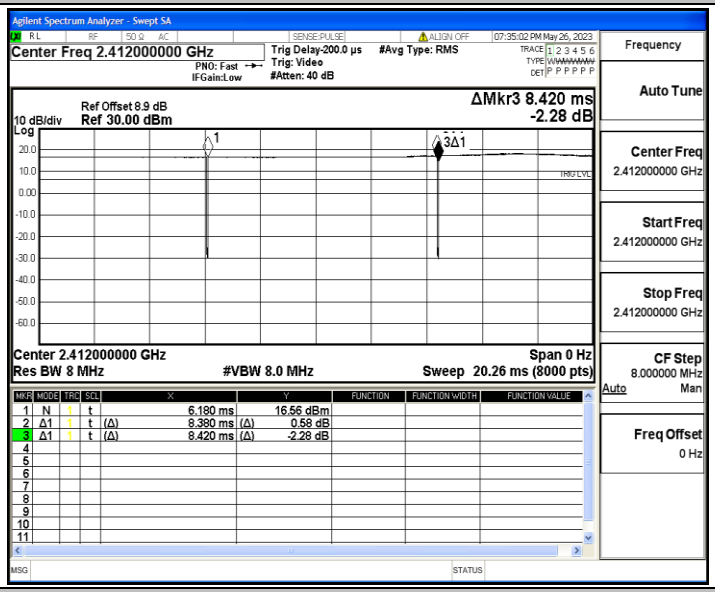
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
11B	Ant1	2412	8.38	8.42	99.52	0.12
		2437	8.39	8.43	99.53	0.12
		2462	8.39	8.44	99.41	0.12
11G	Ant1	2412	1.40	1.45	96.55	0.71
		2437	1.39	1.44	96.53	0.72
		2462	1.39	1.45	95.86	0.72
11N20SISO	Ant1	2412	1.30	1.36	95.59	0.77
		2437	1.30	1.35	96.30	0.77
		2462	1.30	1.40	92.86	0.77

Test Graphs

11B_Ant1_2412



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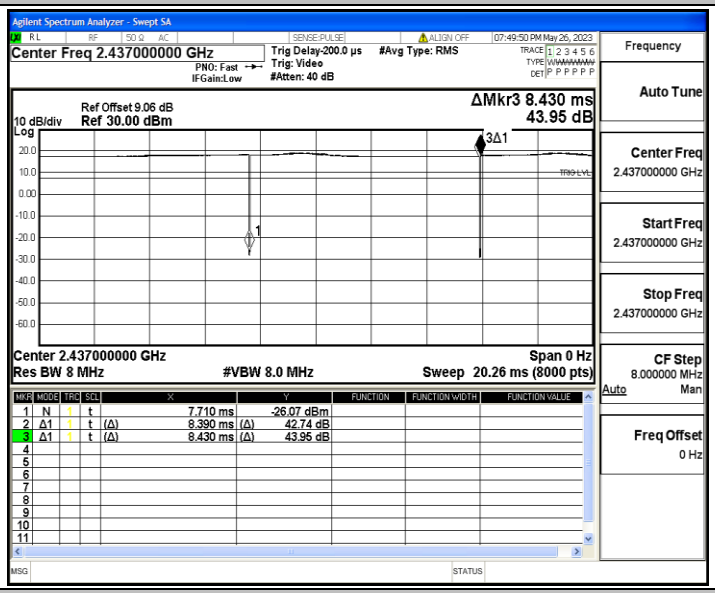

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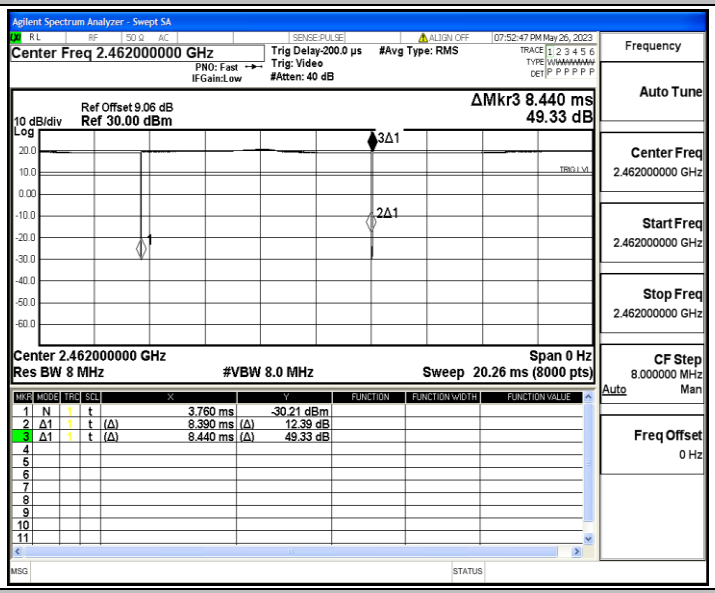

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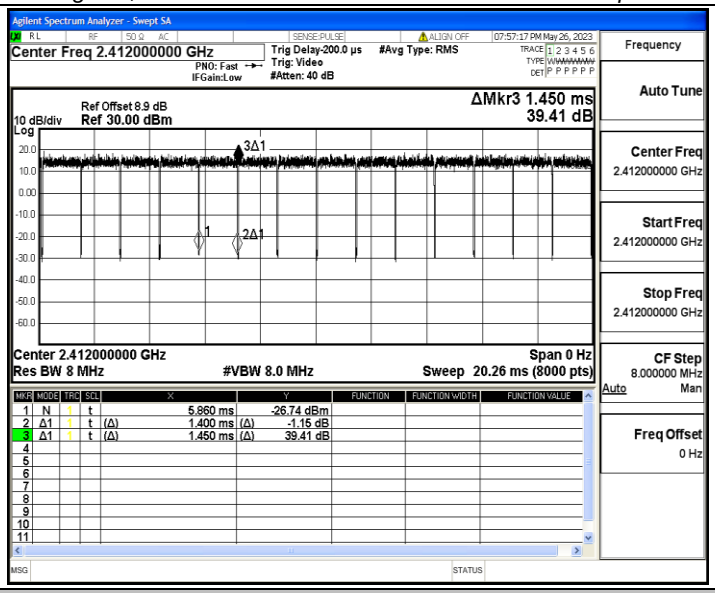

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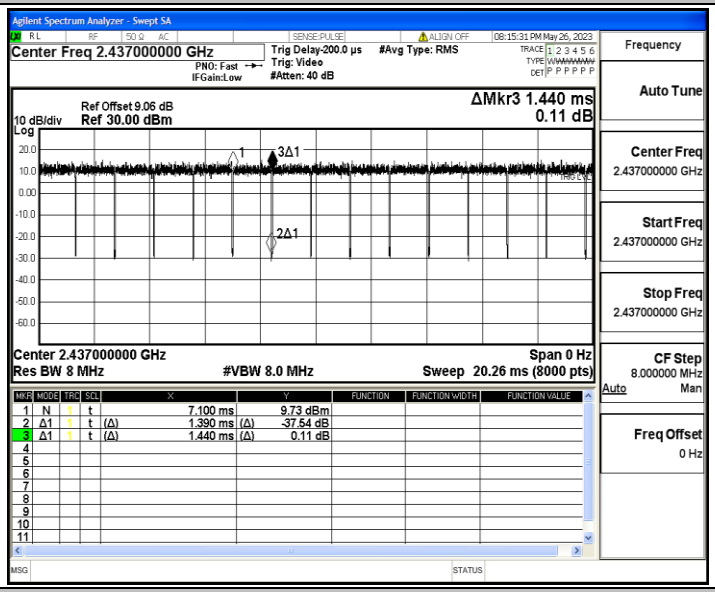

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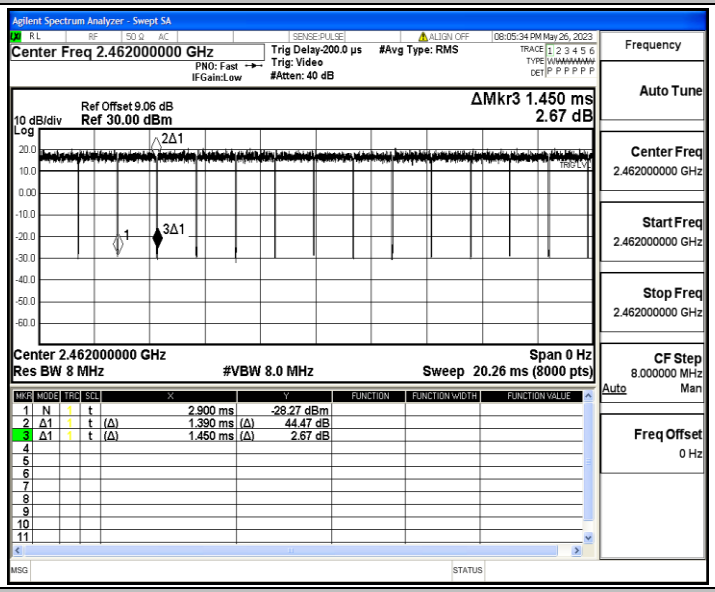

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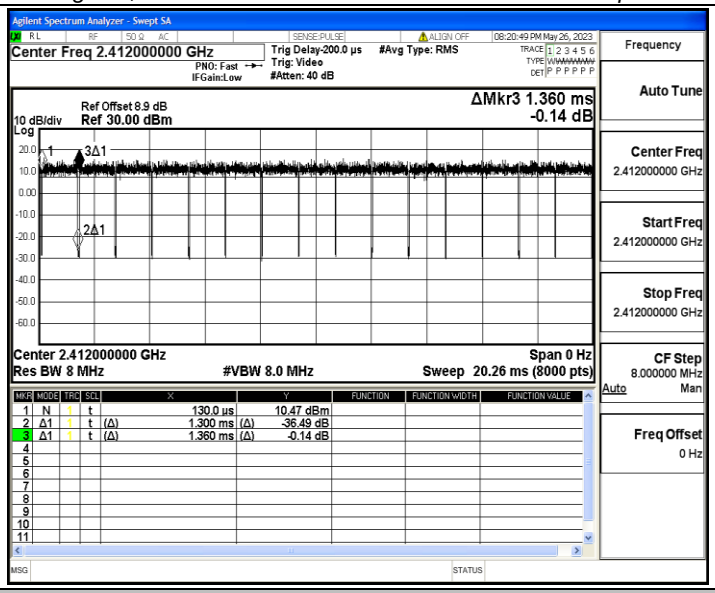

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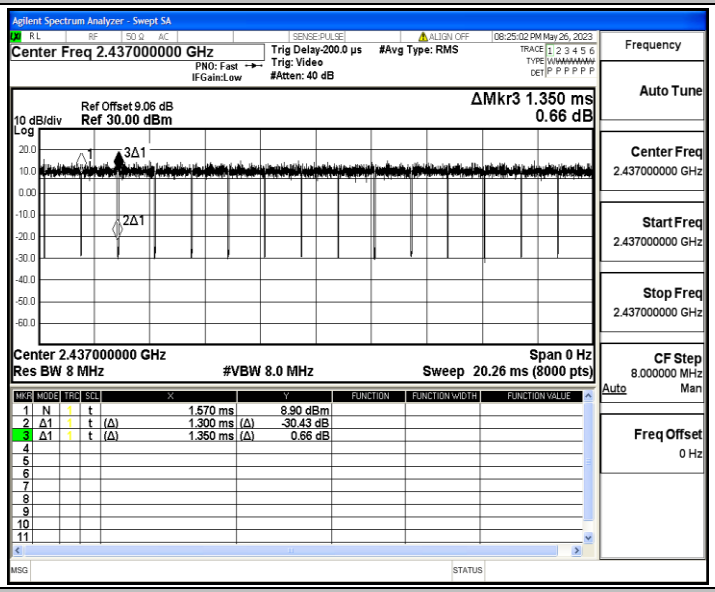
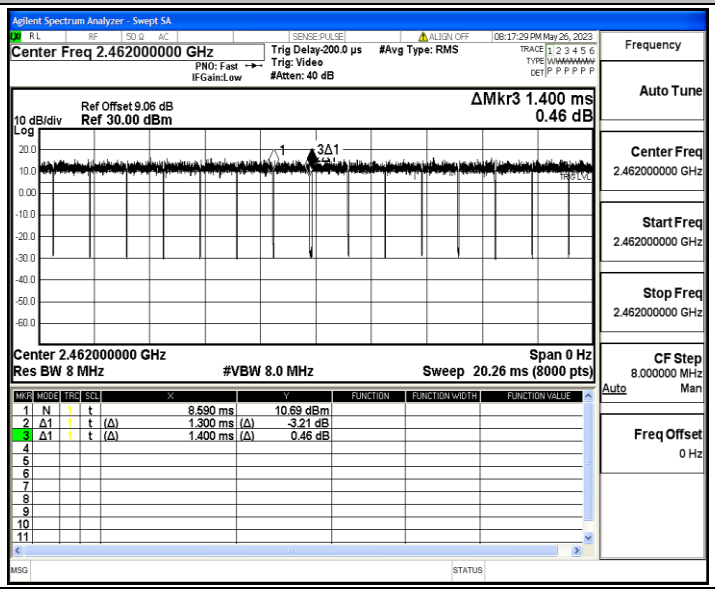
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