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

Product Name: WUUK Chime

Trade Mark: WUUK

Test Model: B0110

FCC ID: 2AWHY-B0110

Environmental Conditions

Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

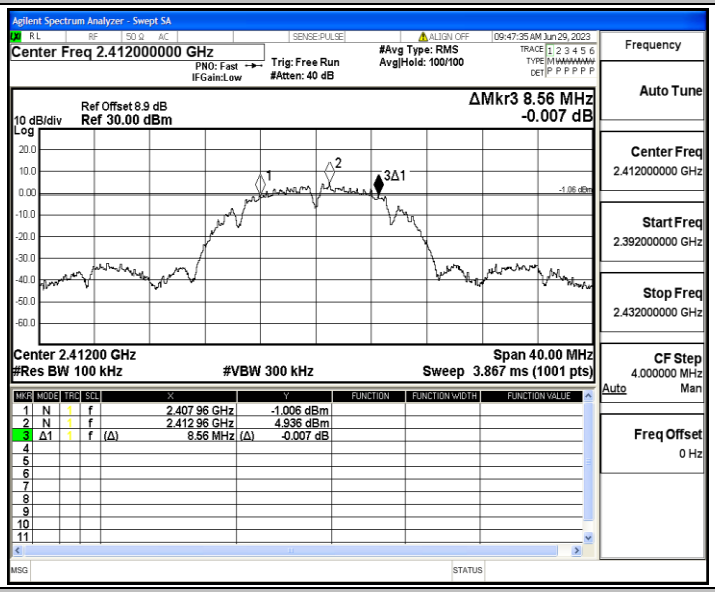
Appendix A: DTS Bandwidth

Test Result

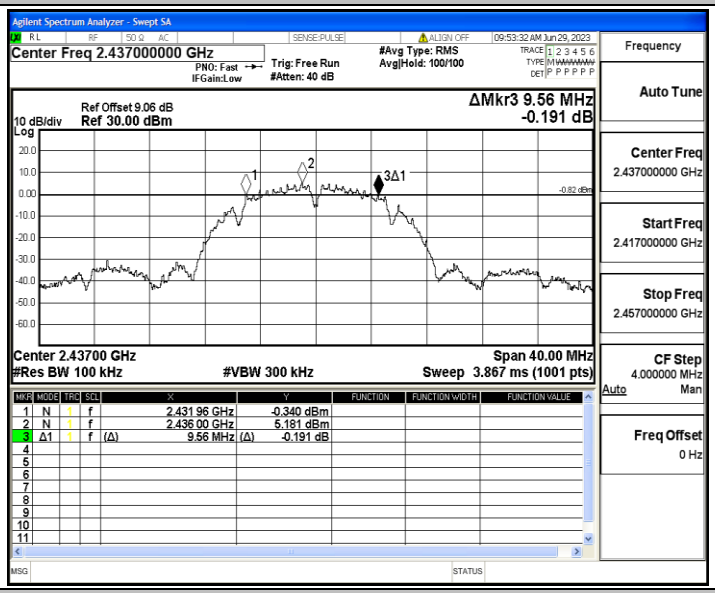
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.560	2407.960	2416.520	0.5	PASS
		2437	9.560	2431.960	2441.520	0.5	PASS
		2462	8.600	2457.920	2466.520	0.5	PASS
11G	Ant1	2412	16.040	2404.080	2420.120	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.680	2404.080	2420.760	0.5	PASS
		2437	17.480	2428.240	2445.720	0.5	PASS
		2462	17.400	2453.360	2470.760	0.5	PASS
11N40SISO	Ant1	2422	33.600	2405.680	2439.280	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	36.080	2434.080	2470.160	0.5	PASS

Test Graphs

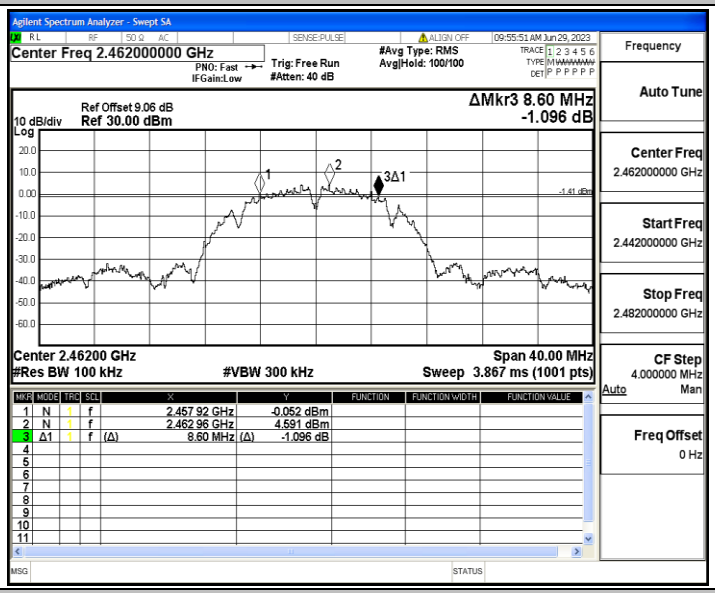
11B_Ant1_2412



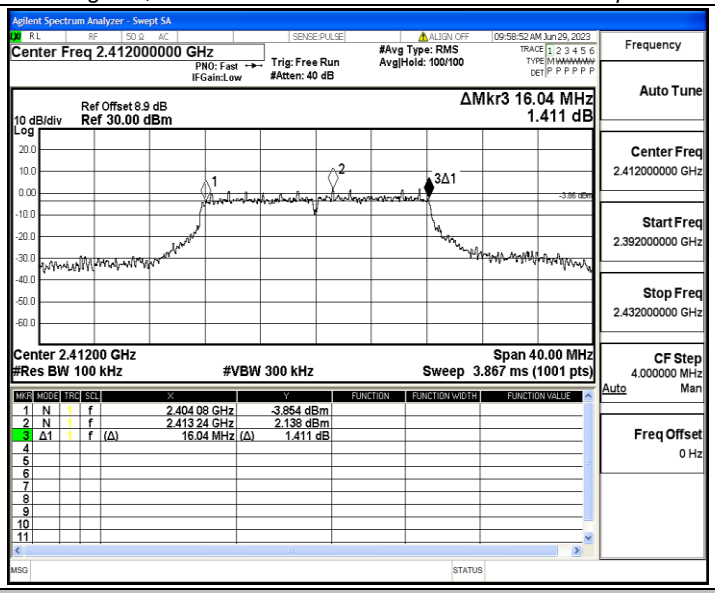
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



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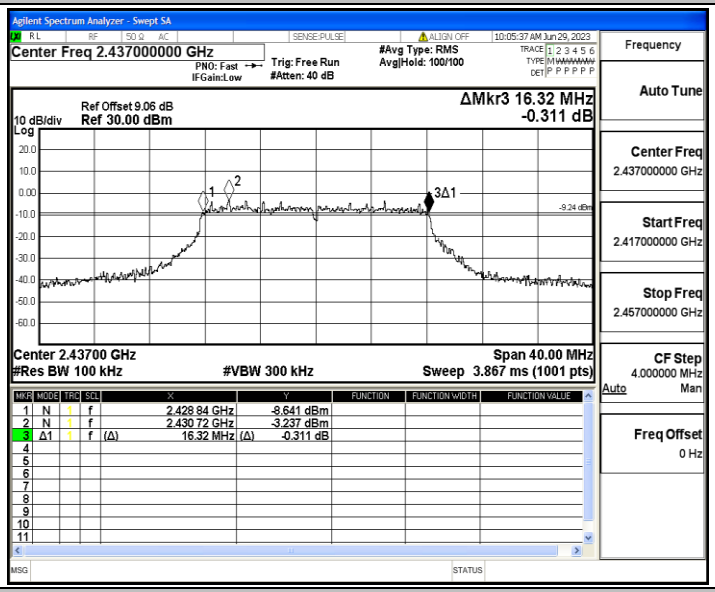
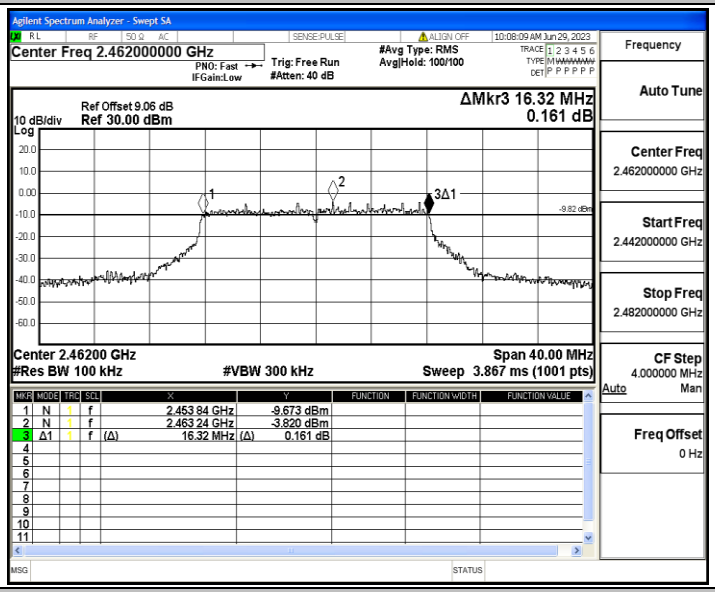
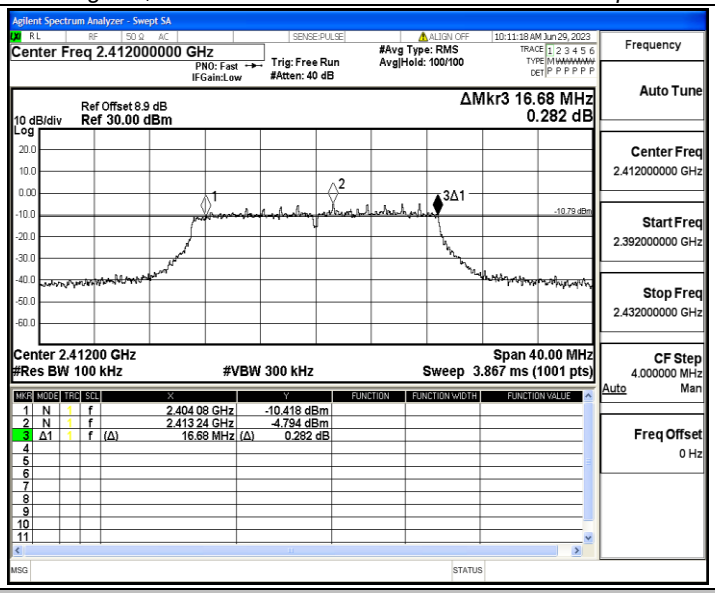


11G_Ant1_2462



11N20SISO_Ant1_2412



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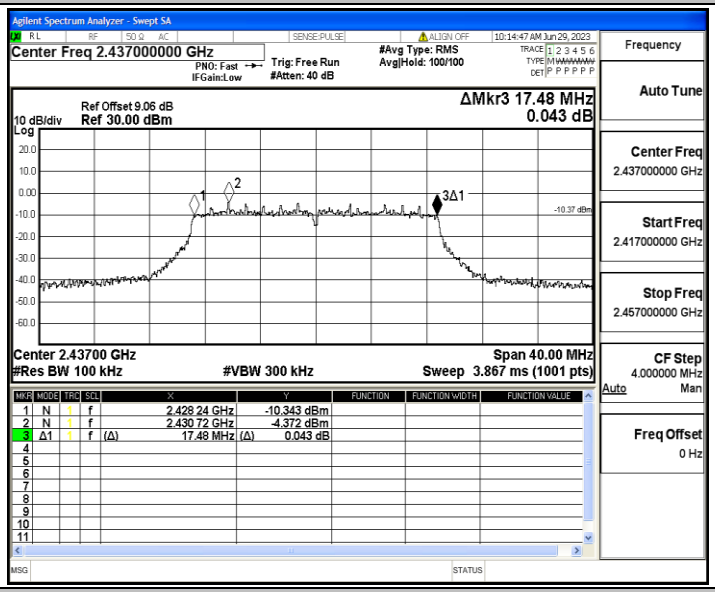

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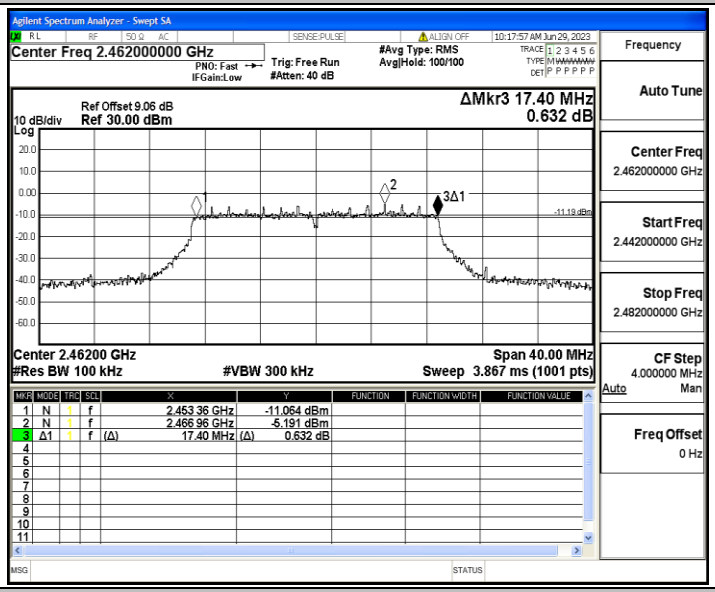
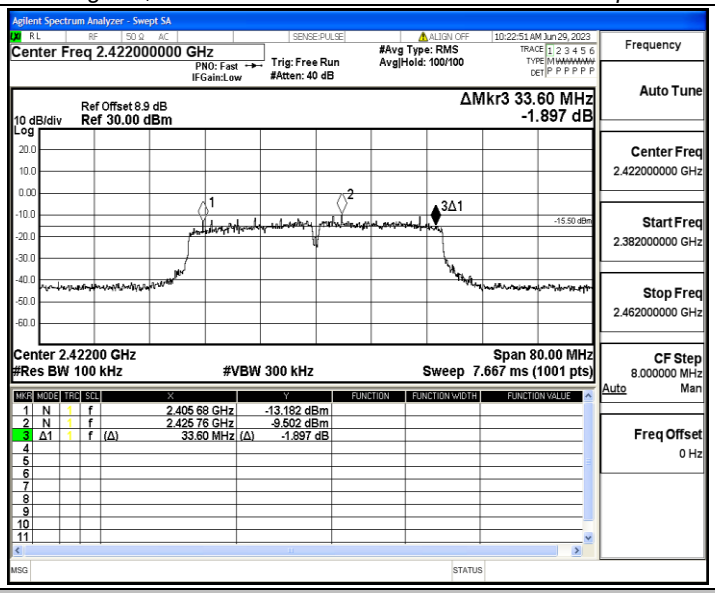


11N40SISO_Ant1_2422



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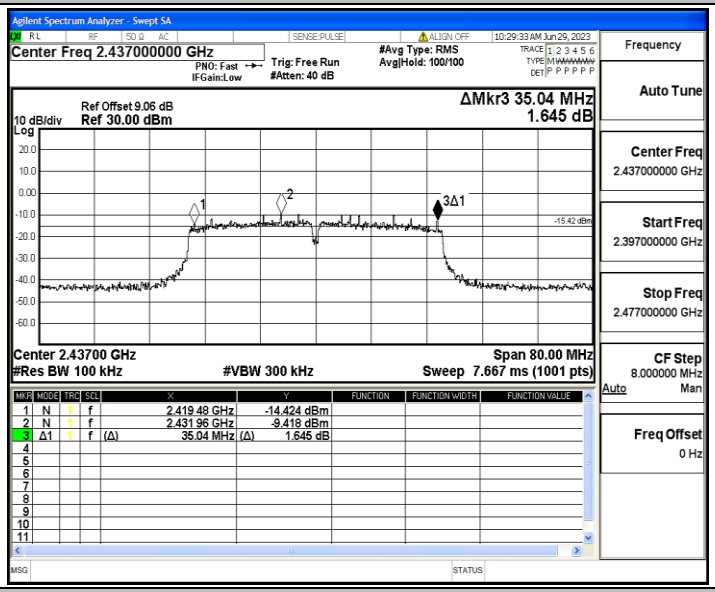
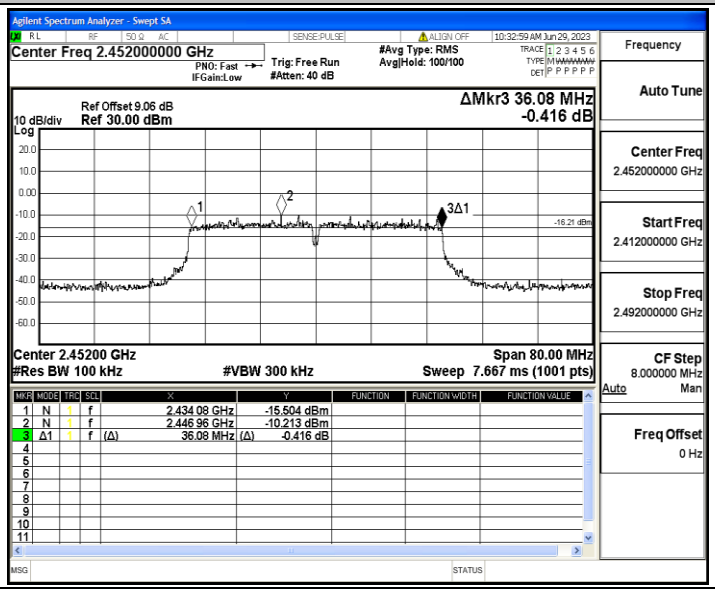


11N40SISO_Ant1_2452



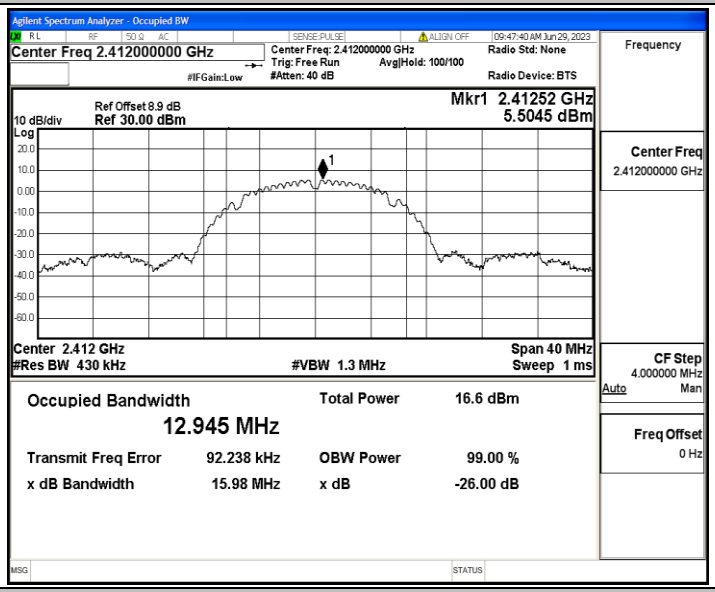
Appendix B: Occupied Channel Bandwidth

Test Result

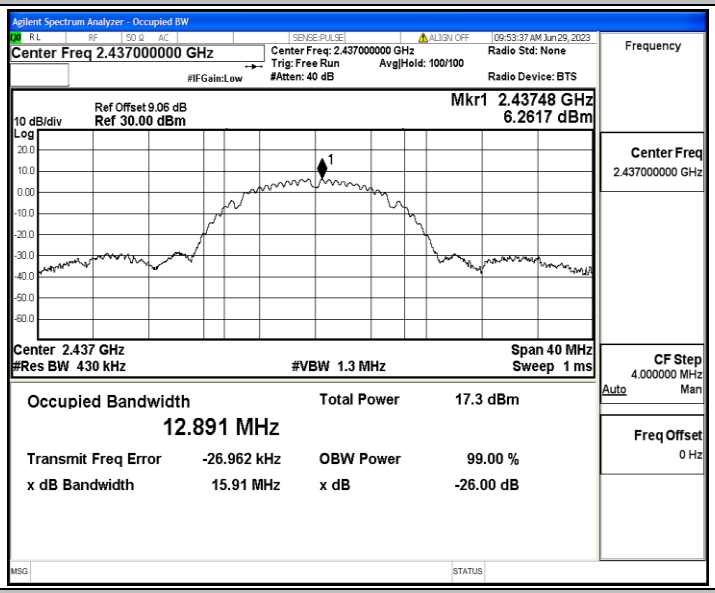
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.945	2405.6197	2418.5647	---	---
		2437	12.891	2430.5275	2443.4185	---	---
		2462	12.942	2455.5684	2468.5104	---	---
11G	Ant1	2412	17.578	2403.4065	2420.9845	---	---
		2437	17.315	2428.3713	2445.6863	---	---
		2462	17.413	2453.3861	2470.7991	---	---
11N20SISO	Ant1	2412	18.309	2402.9473	2421.2563	---	---
		2437	18.252	2427.8259	2446.0779	---	---
		2462	18.379	2452.8355	2471.2145	---	---
11N40SISO	Ant1	2422	36.618	2403.9480	2440.5660	---	---
		2437	36.472	2418.7663	2455.2383	---	---
		2452	36.918	2433.6777	2470.5957	---	---

Test Graphs

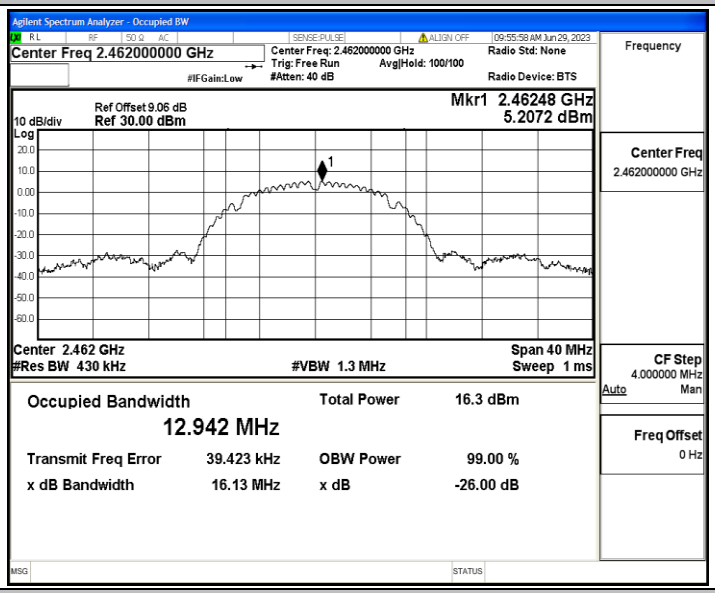
11B_Ant1_2412



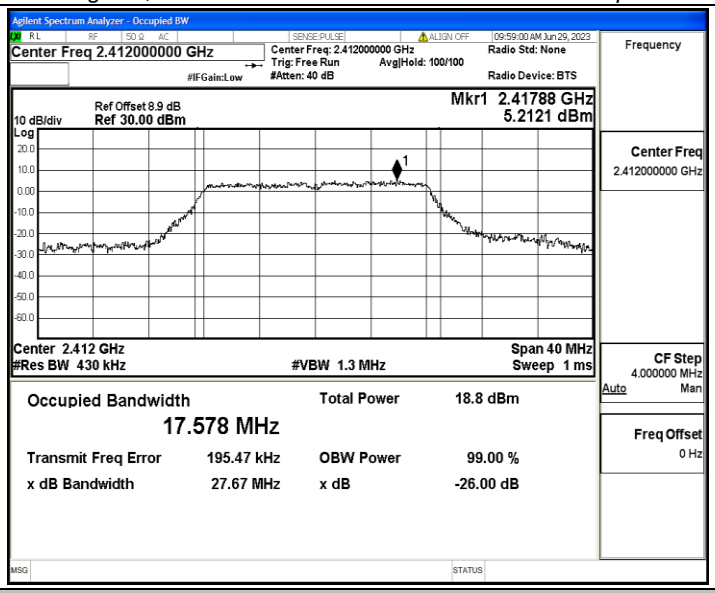
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



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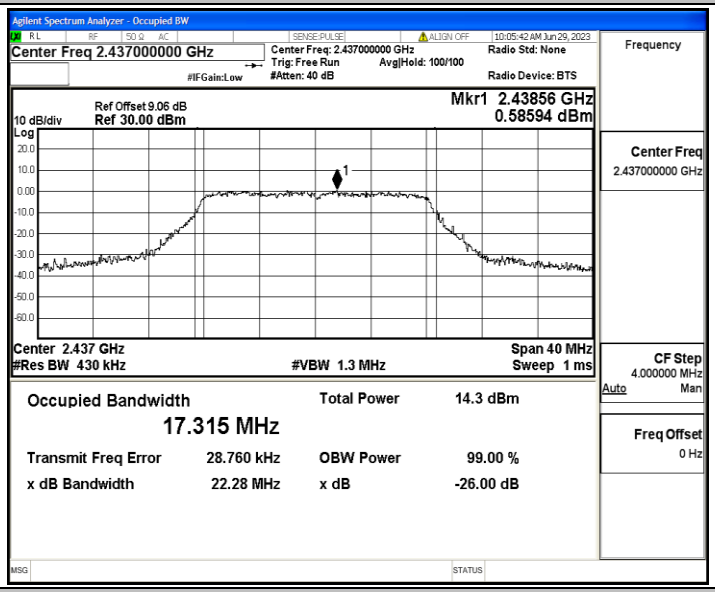
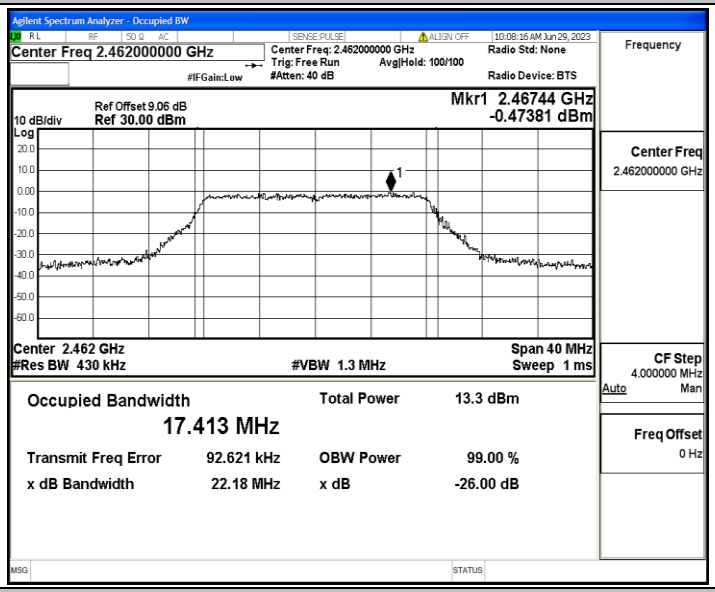
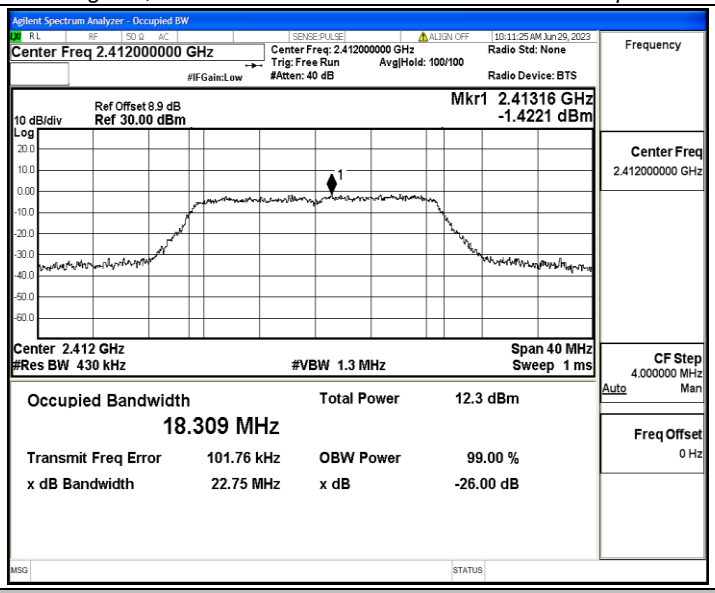


11G_Ant1_2462



11N20SISO_Ant1_2412



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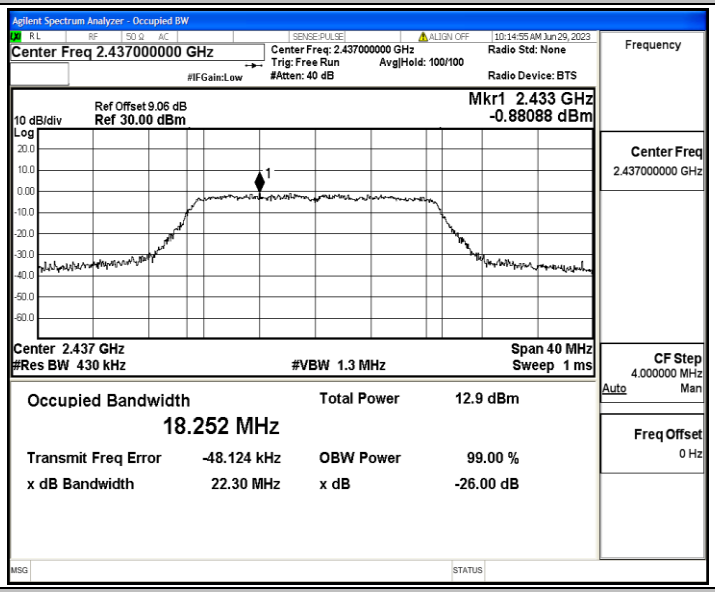

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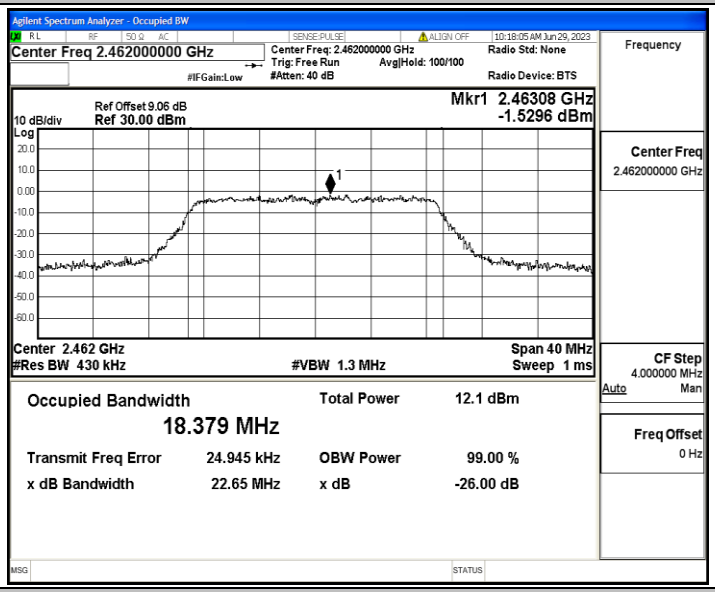
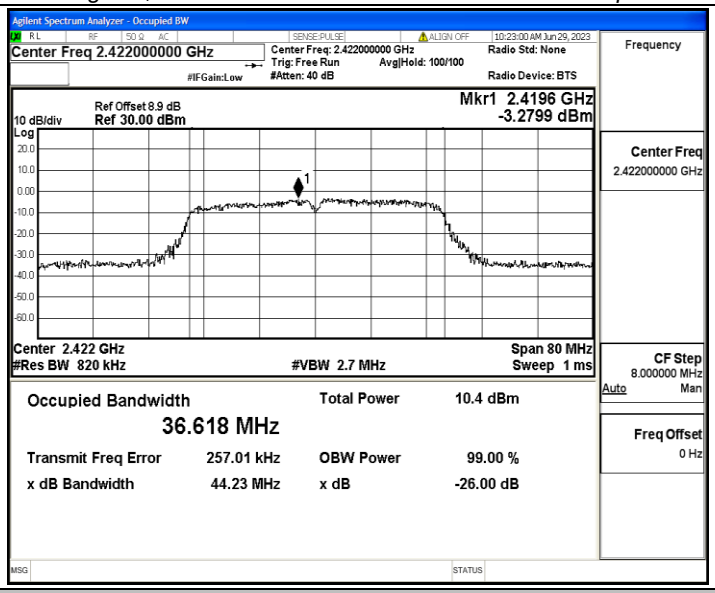


11N40SISO_Ant1_2422



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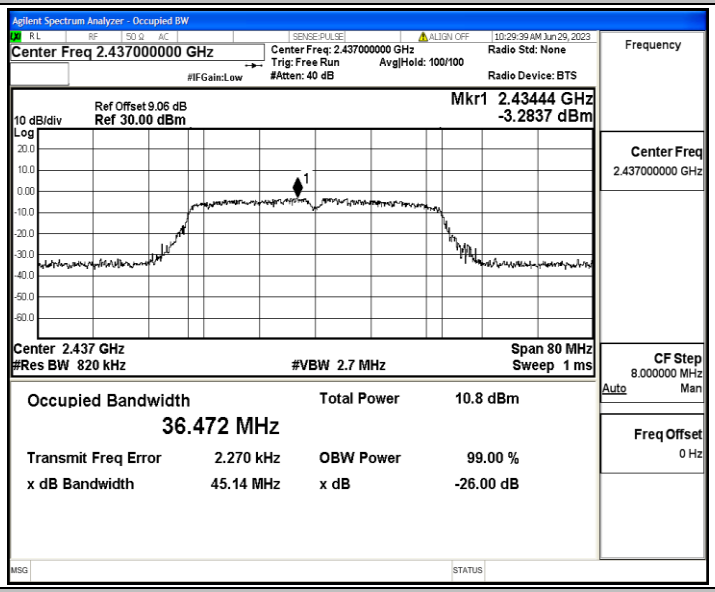
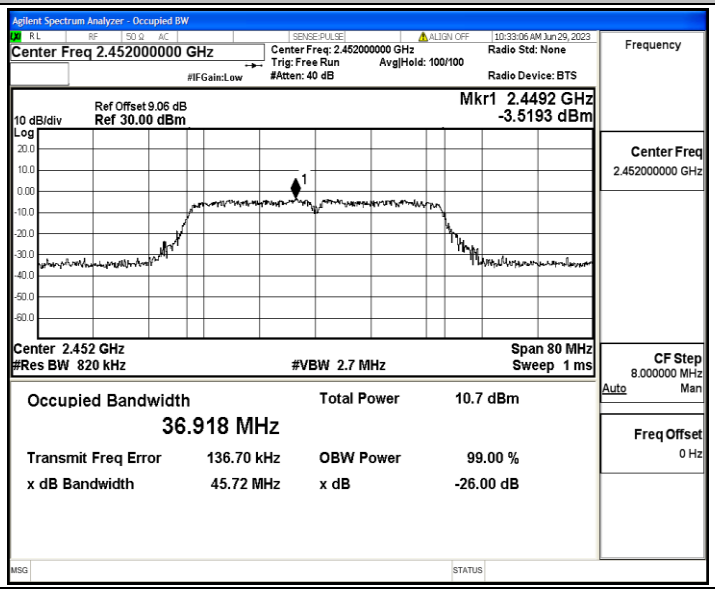


11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	13.41	≤30.00	PASS
		2437	14.46	≤30.00	PASS
		2462	13.24	≤30.00	PASS
11G	Ant1	2412	7.50	≤30.00	PASS
		2437	8.33	≤30.00	PASS
		2462	7.43	≤30.00	PASS
11N20SISO	Ant1	2412	6.33	≤30.00	PASS
		2437	7.05	≤30.00	PASS
		2462	6.20	≤30.00	PASS
11N40SISO	Ant1	2422	4.39	≤30.00	PASS
		2437	1.88	≤30.00	PASS
		2452	4.27	≤30.00	PASS

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

Appendix D: Maximum power spectral density

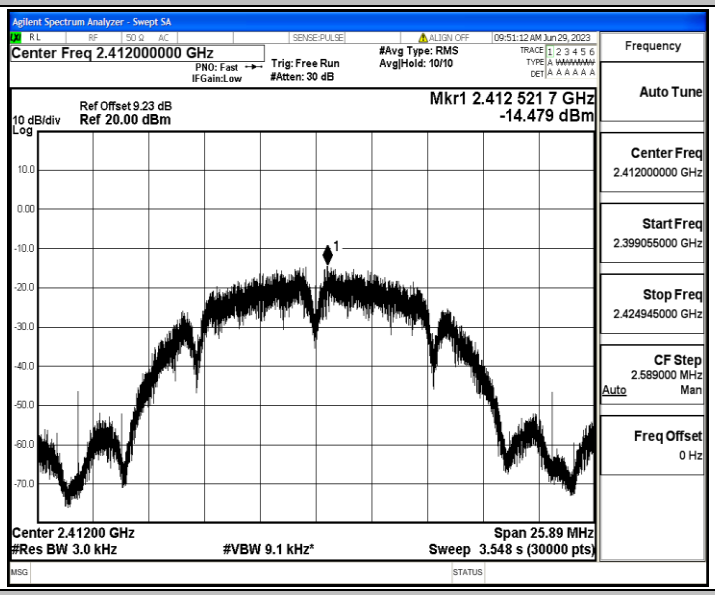
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.48	≤8.00	PASS
		2437	-13.09	≤8.00	PASS
		2462	-14.55	≤8.00	PASS
11G	Ant1	2412	-21.72	≤8.00	PASS
		2437	-20.61	≤8.00	PASS
		2462	-21.34	≤8.00	PASS
11N20SISO	Ant1	2412	-22.27	≤8.00	PASS
		2437	-21.47	≤8.00	PASS
		2462	-22.04	≤8.00	PASS
11N40SISO	Ant1	2422	-27.54	≤8.00	PASS
		2437	-24.99	≤8.00	PASS
		2452	-24.9	≤8.00	PASS

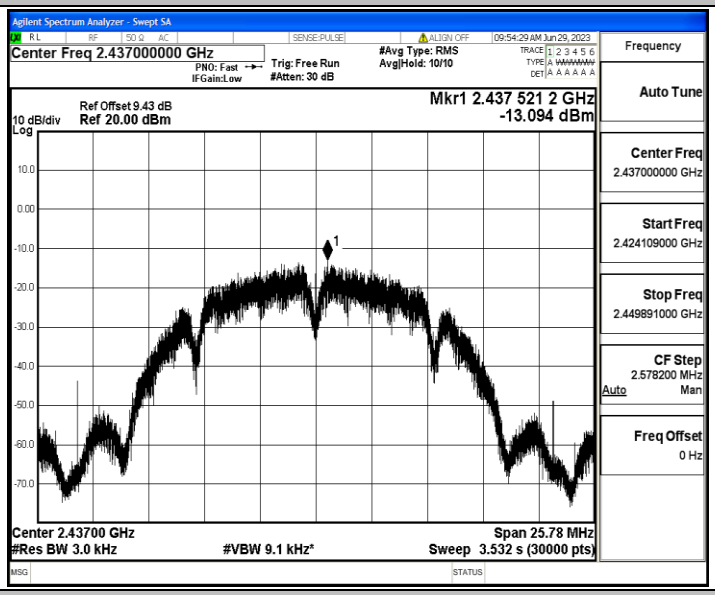
Note：The Duty Cycle Factor is compensated in the test result.

Test Graphs

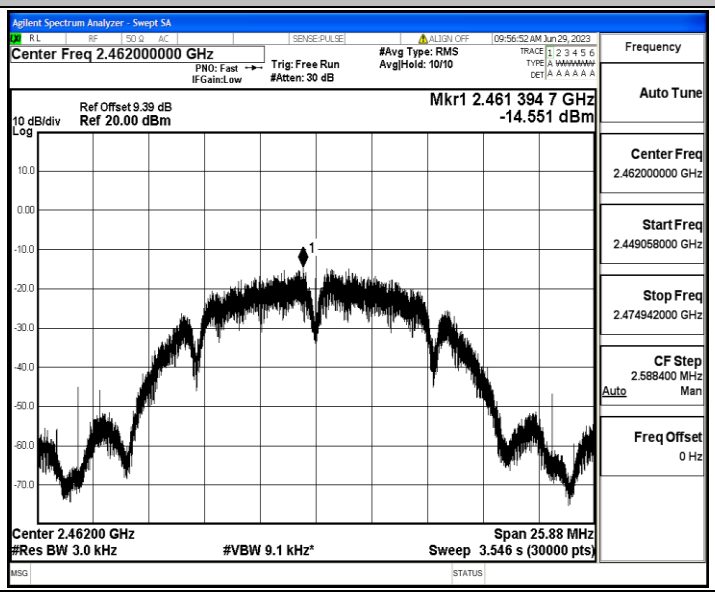
11B_Ant1_2412



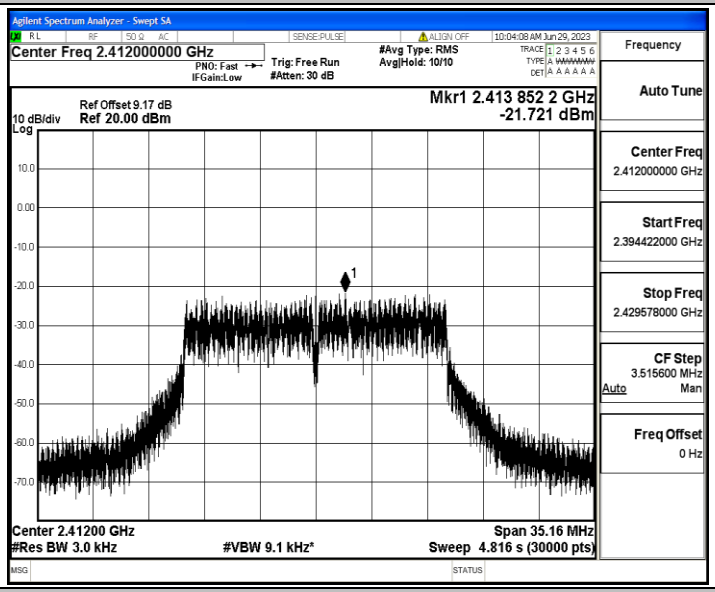
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



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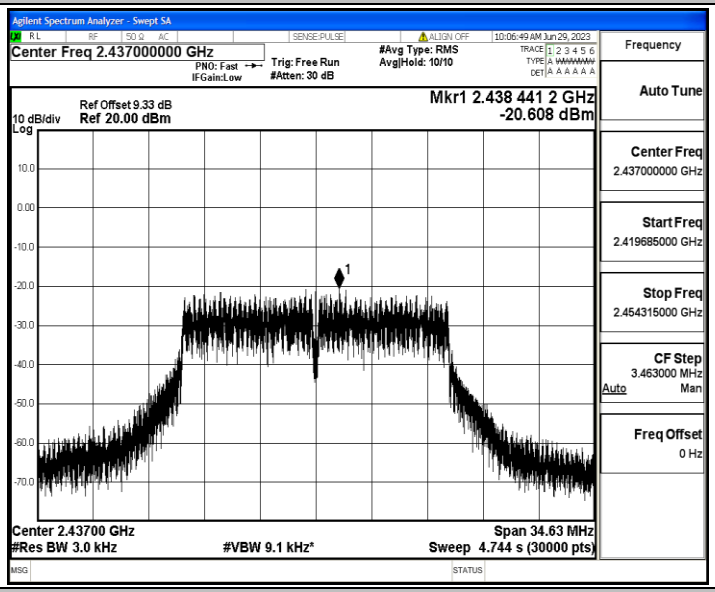

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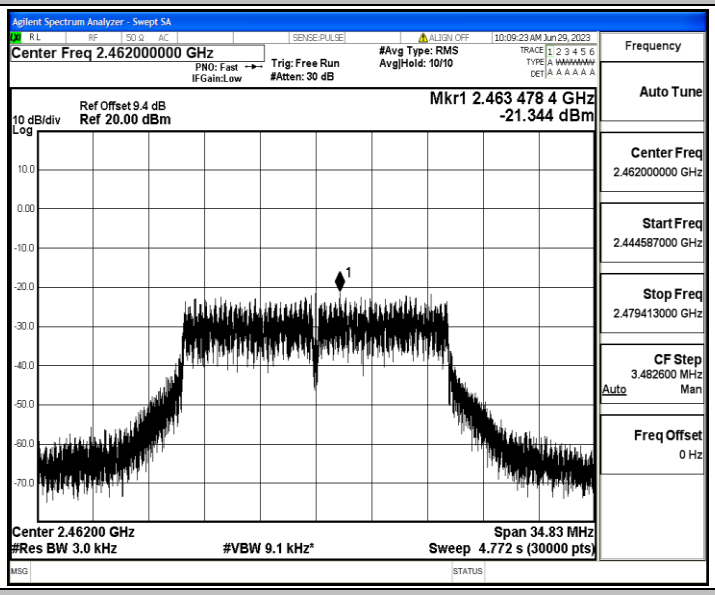
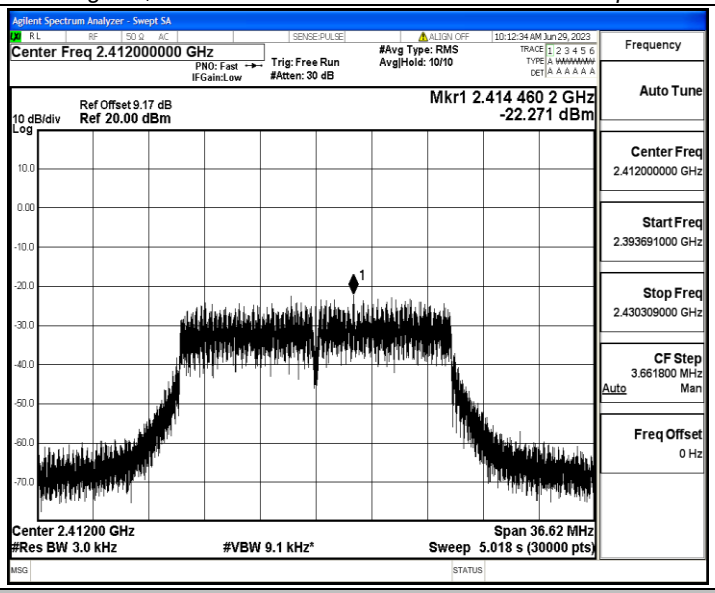


11N20SISO_Ant1_2412



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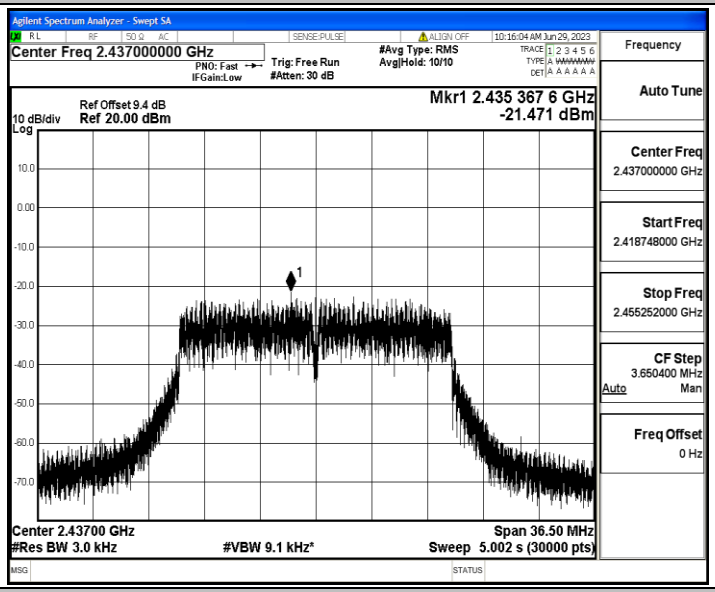

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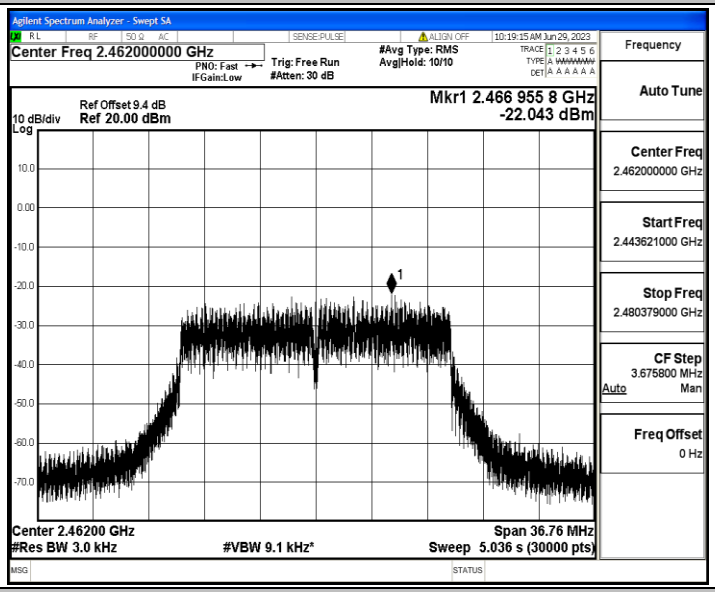

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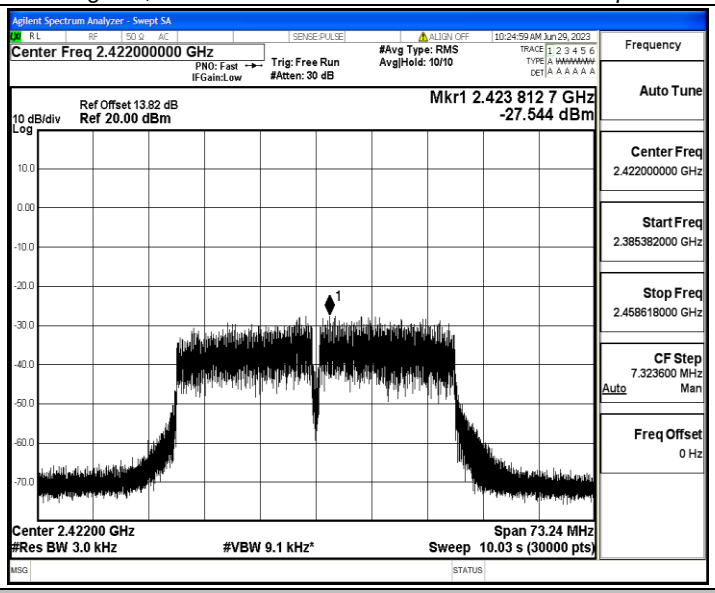

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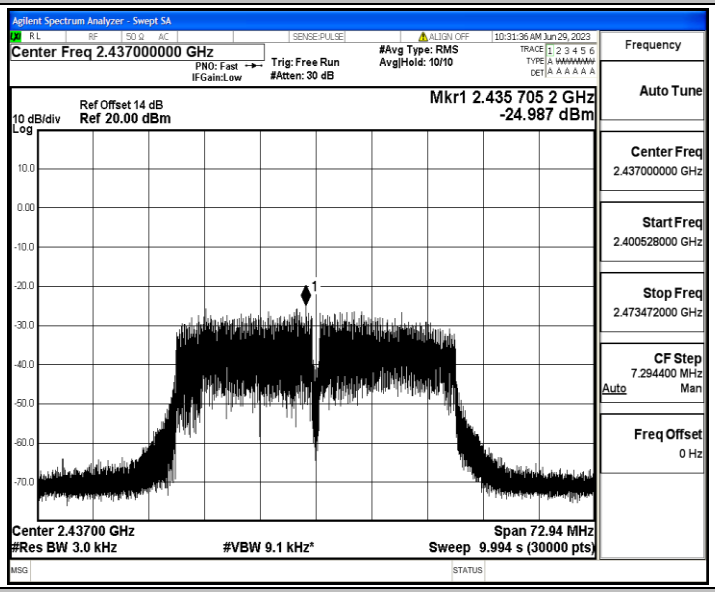

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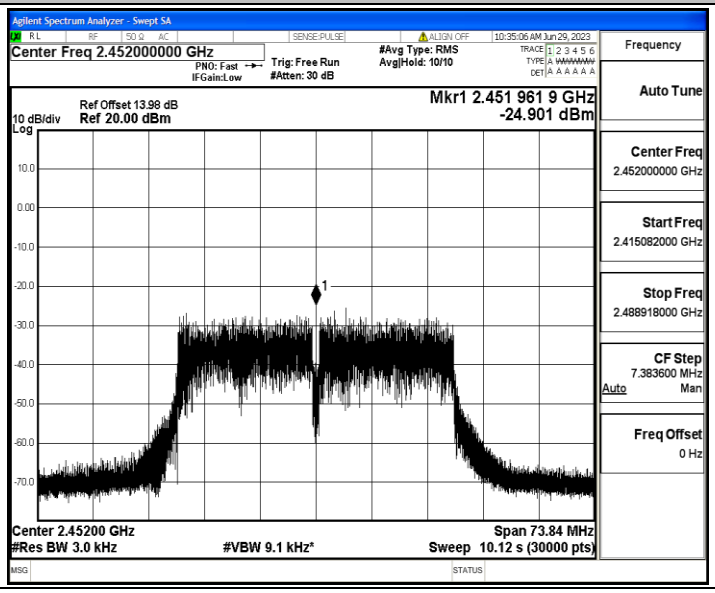


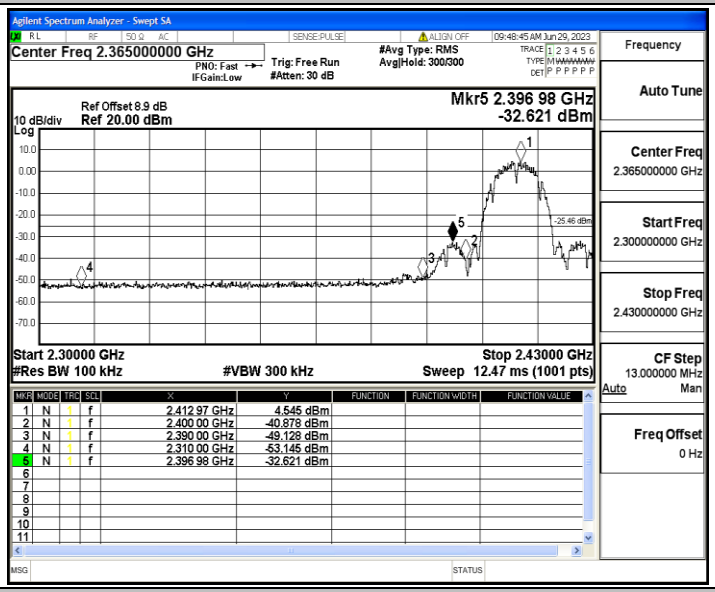
Appendix E: Band edge measurements

Test Result

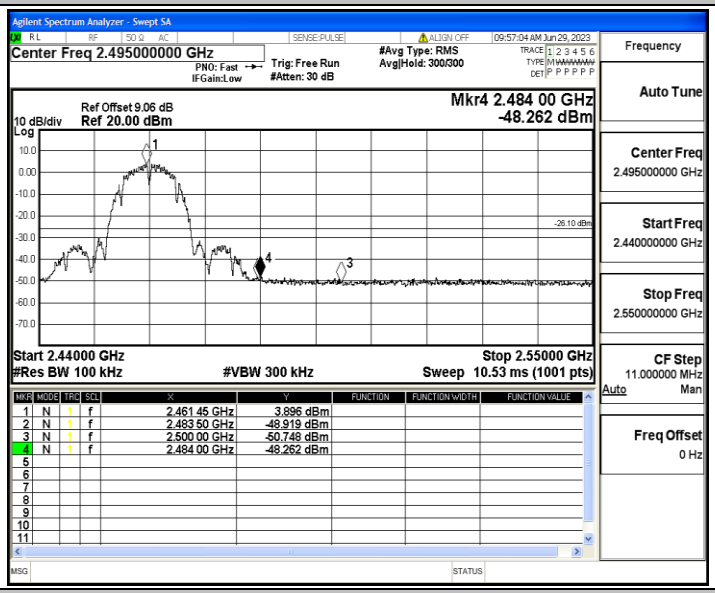
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.55	-32.62	≤-25.46	PASS
		High	2462	3.90	-48.26	≤-26.1	PASS
11G	Ant1	Low	2412	-3.52	-36.37	≤-33.52	PASS
		High	2462	-3.77	-47.52	≤-33.77	PASS
11N20SISO	Ant1	Low	2412	-4.80	-38.49	≤-34.8	PASS
		High	2462	-5.13	-47.14	≤-35.13	PASS
11N40SISO	Ant1	Low	2422	-9.11	-43.64	≤-39.11	PASS
		High	2452	-9.54	-45.08	≤-39.54	PASS

Test Graphs

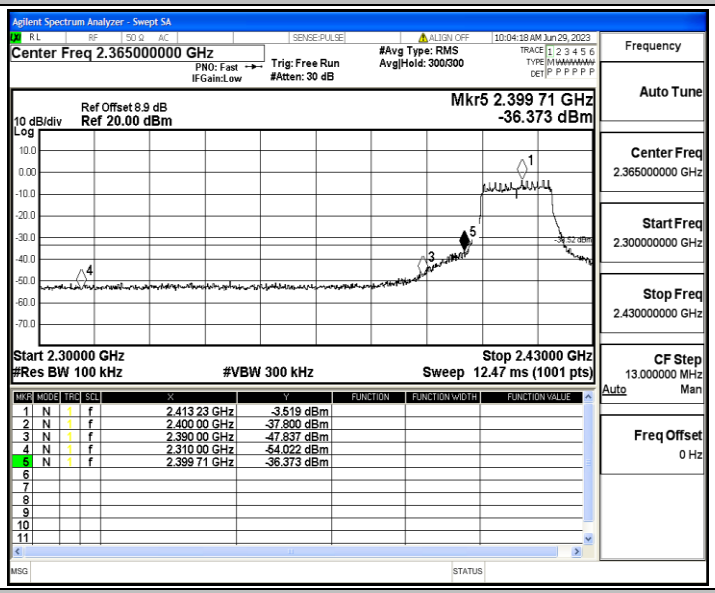
11B_Ant1_Low_2412



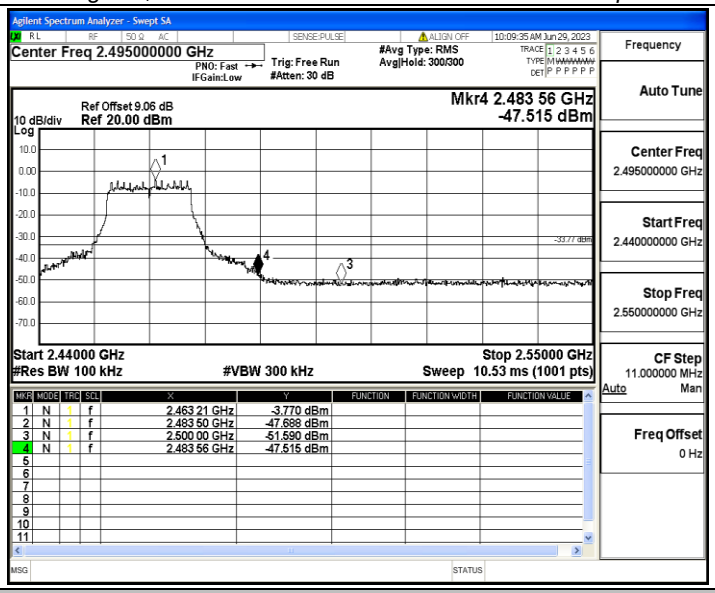
11B_Ant1_High_2462



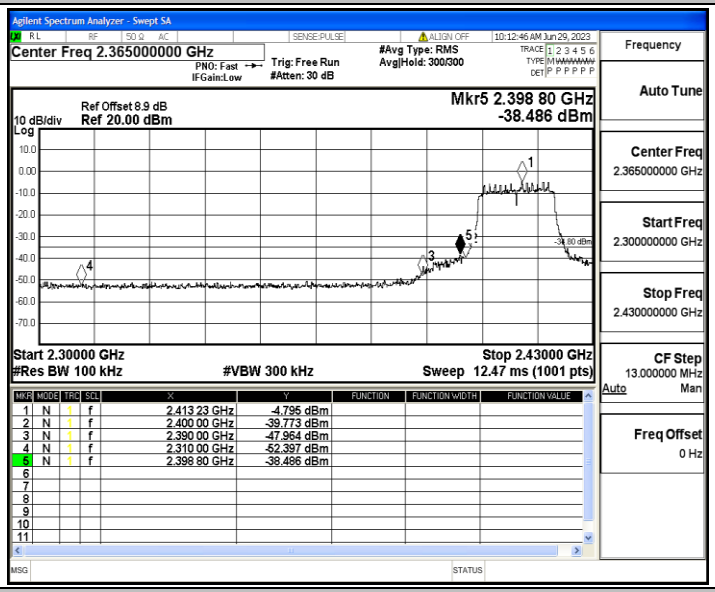
11G_Ant1_Low_2412



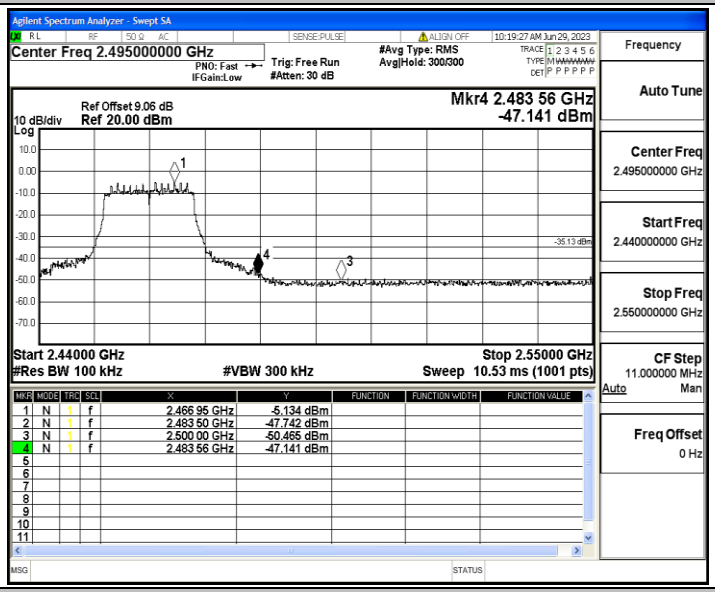
11G_Ant1_High_2462



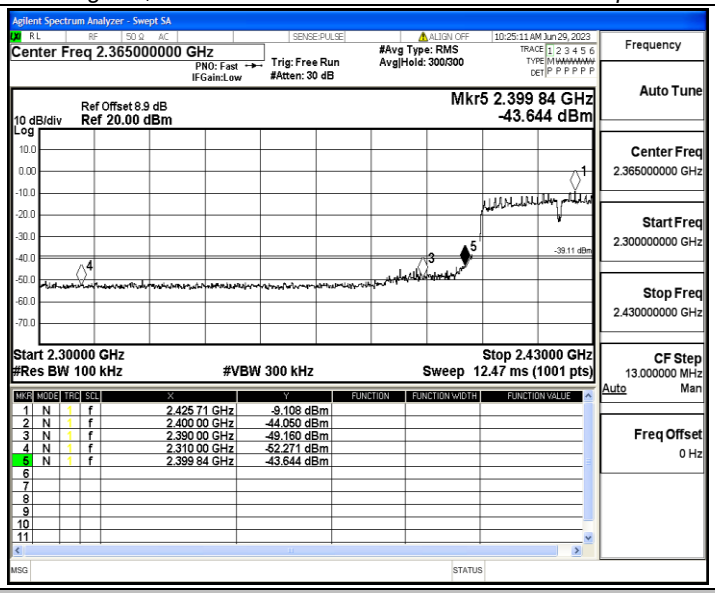
11N20SISO_Ant1_Low_2412



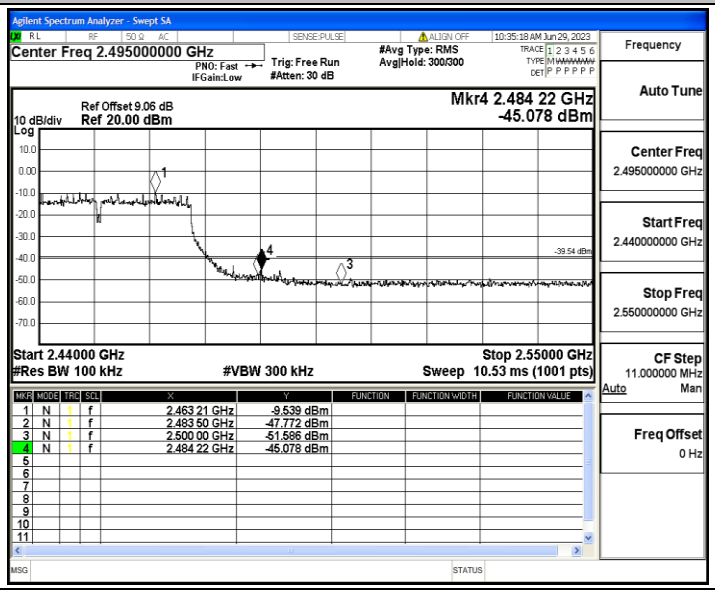
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



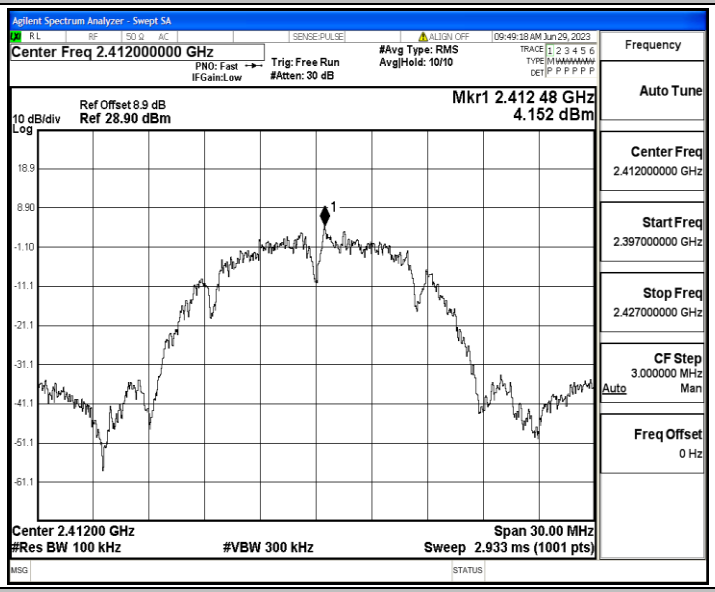
Appendix F: Conducted Spurious Emission

Test Result

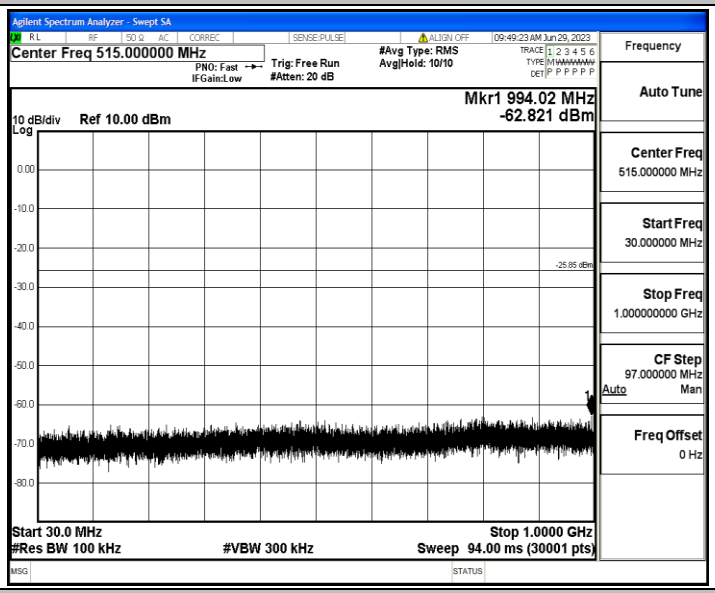
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.15	4.15	---	PASS
			30~1000	4.15	-62.82	≤-25.85	PASS
			1000~26500	4.15	-39.2	≤-25.85	PASS
		2437	Reference	4.46	4.46	---	PASS
			30~1000	4.46	-62.13	≤-25.54	PASS
			1000~26500	4.46	-39.95	≤-25.54	PASS
		2462	Reference	3.07	3.07	---	PASS
			30~1000	3.07	-62.48	≤-26.93	PASS
			1000~26500	3.07	-40.81	≤-26.93	PASS
11G	Ant1	2412	Reference	-4.14	-4.14	---	PASS
			30~1000	-4.14	-62.87	≤-34.14	PASS
			1000~26500	-4.14	-49.31	≤-34.14	PASS
		2437	Reference	-4.53	-4.53	---	PASS
			30~1000	-4.53	-62.58	≤-34.53	PASS
			1000~26500	-4.53	-49.39	≤-34.53	PASS
		2462	Reference	-6.35	-6.35	---	PASS
			30~1000	-6.35	-62.51	≤-36.35	PASS
			1000~26500	-6.35	-49.53	≤-36.35	PASS
11N20SISO	Ant1	2412	Reference	-4.77	-4.77	---	PASS
			30~1000	-4.77	-63.06	≤-34.77	PASS
			1000~26500	-4.77	-50.06	≤-34.77	PASS
		2437	Reference	-4.52	-4.52	---	PASS
			30~1000	-4.52	-63	≤-34.52	PASS
			1000~26500	-4.52	-50.39	≤-34.52	PASS
		2462	Reference	-8.09	-8.09	---	PASS
			30~1000	-8.09	-62.52	≤-38.09	PASS
			1000~26500	-8.09	-45.18	≤-38.09	PASS
11N40SISO	Ant1	2422	Reference	-9.42	-9.42	---	PASS
			30~1000	-9.42	-62.3	≤-39.42	PASS
			1000~26500	-9.42	-49.87	≤-39.42	PASS
		2437	Reference	-9.82	-9.82	---	PASS
			30~1000	-9.82	-62.22	≤-39.82	PASS
			1000~26500	-9.82	-49.55	≤-39.82	PASS
		2452	Reference	-12.75	-12.75	---	PASS
			30~1000	-12.75	-62.59	≤-42.75	PASS
			1000~26500	-12.75	-50.54	≤-42.75	PASS

Test Graphs

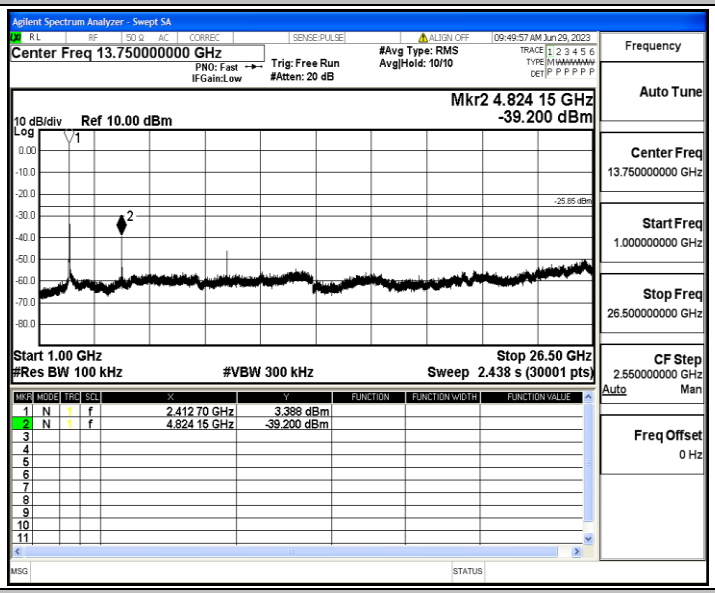
11B_Ant1_2412_0~Reference



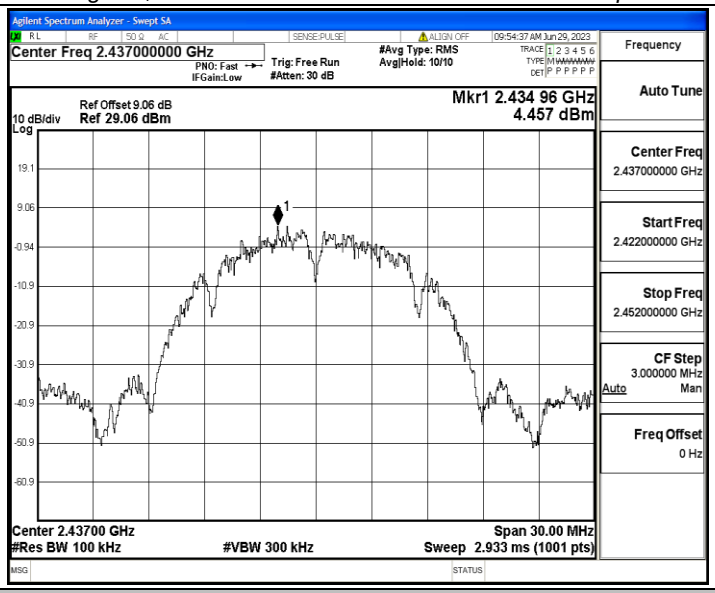
11B_Ant1_2412_30~1000



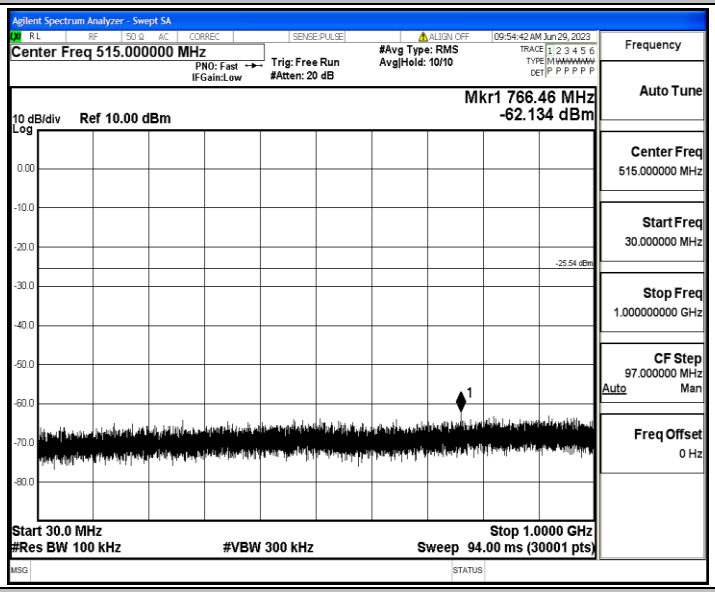
11B_Ant1_2412_1000~26500



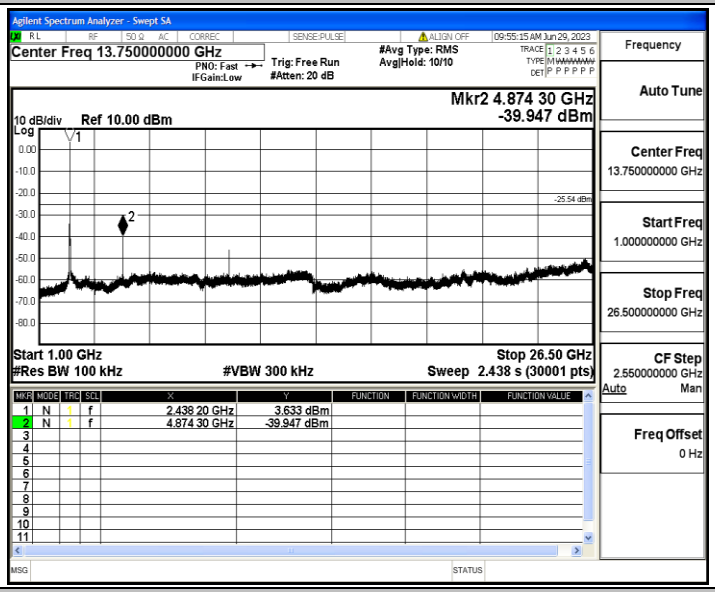
11B_Ant1_2437_0~Reference



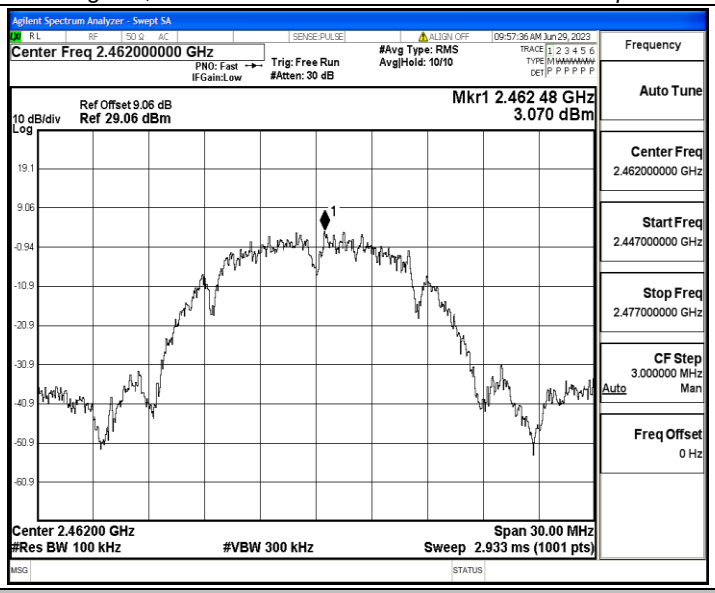
11B_Ant1_2437_30~1000



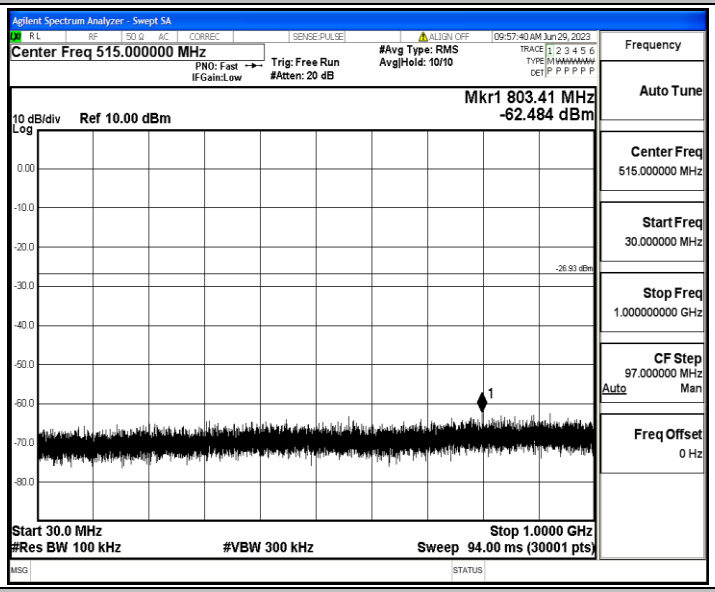
11B_Ant1_2437_1000~26500



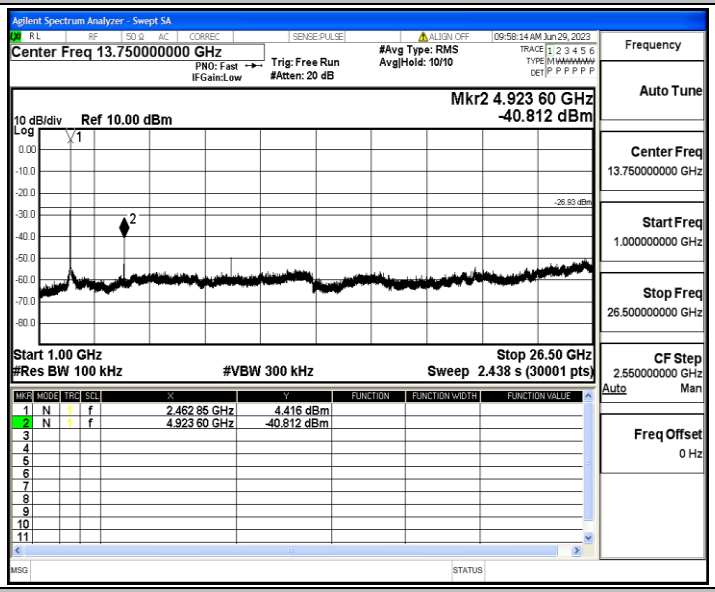
11B_Ant1_2462_0~Reference



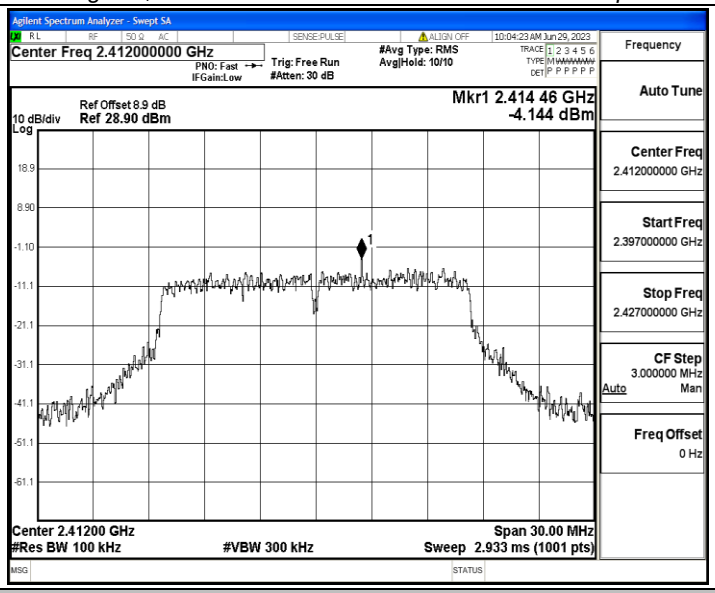
11B_Ant1_2462_30~1000



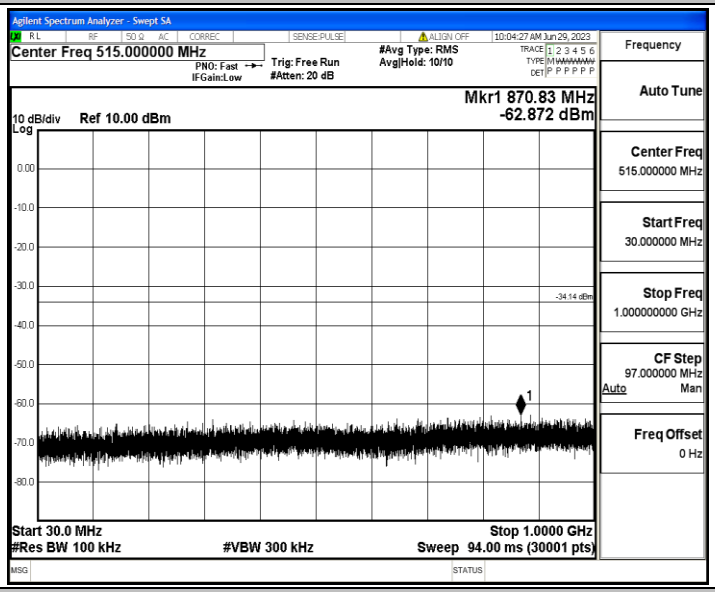
11B_Ant1_2462_1000~26500



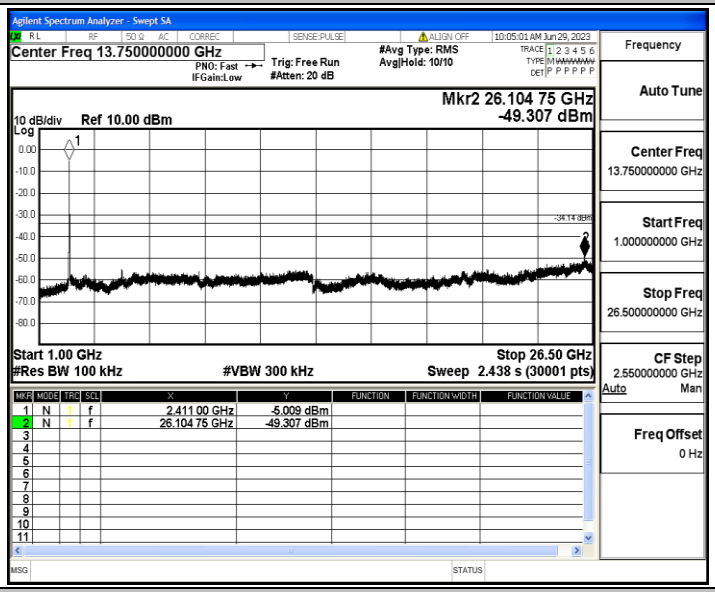
11G_Ant1_2412_0~Reference



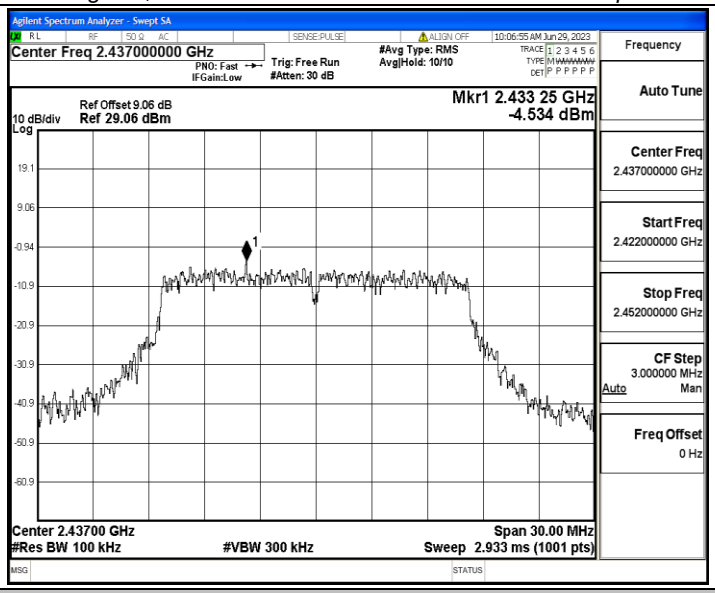
11G_Ant1_2412_30~1000



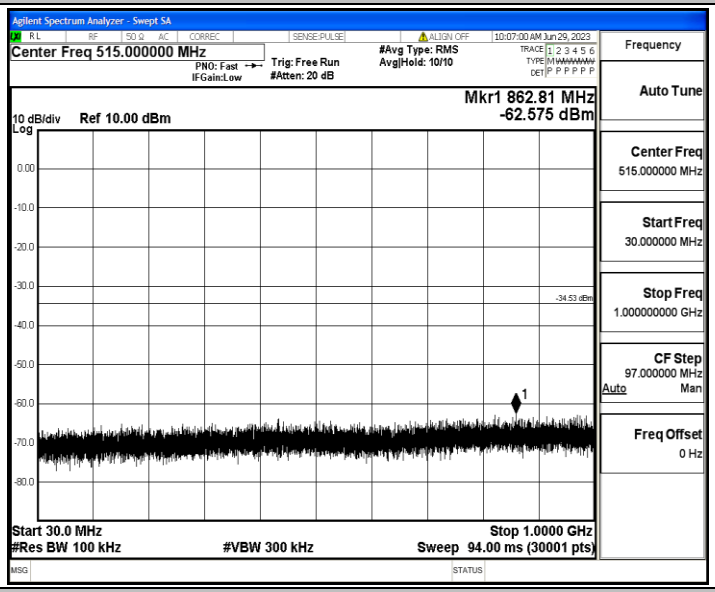
11G_Ant1_2412_1000~26500



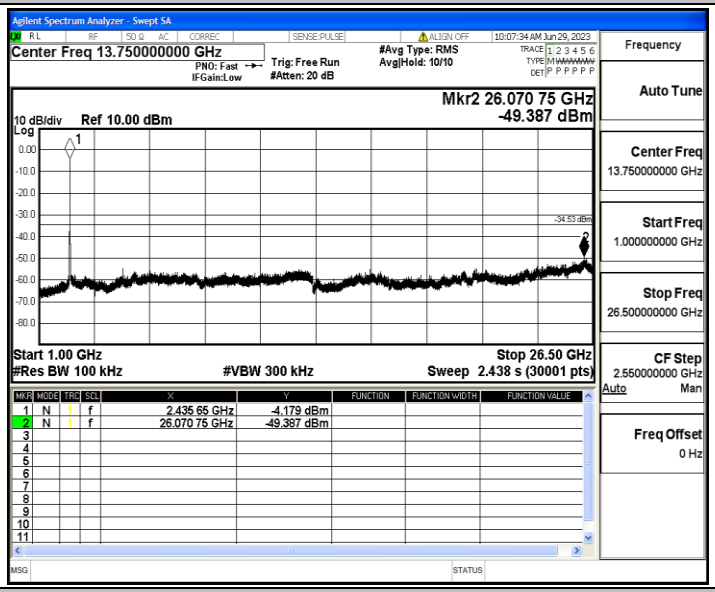
11G_Ant1_2437_0~Reference



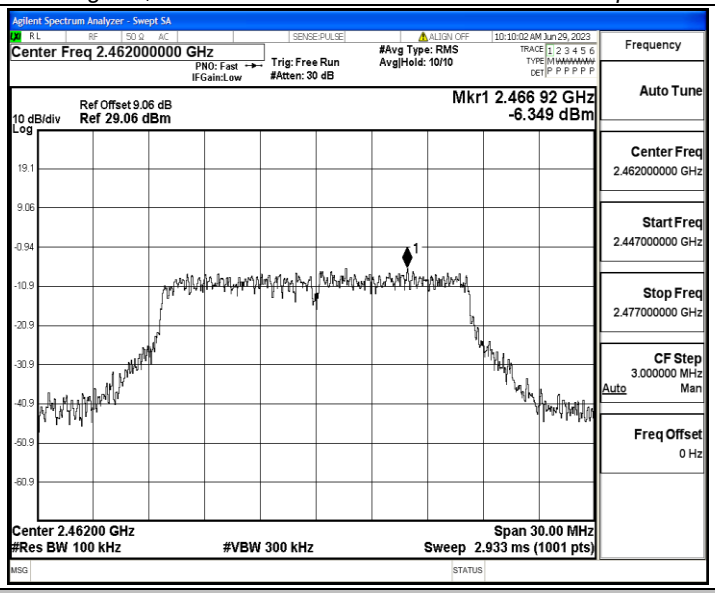
11G_Ant1_2437_30~1000



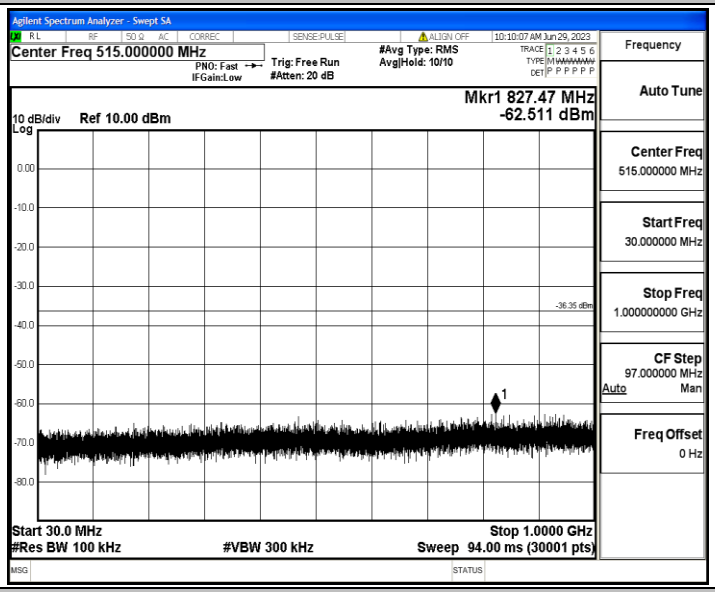
11G_Ant1_2437_1000~26500



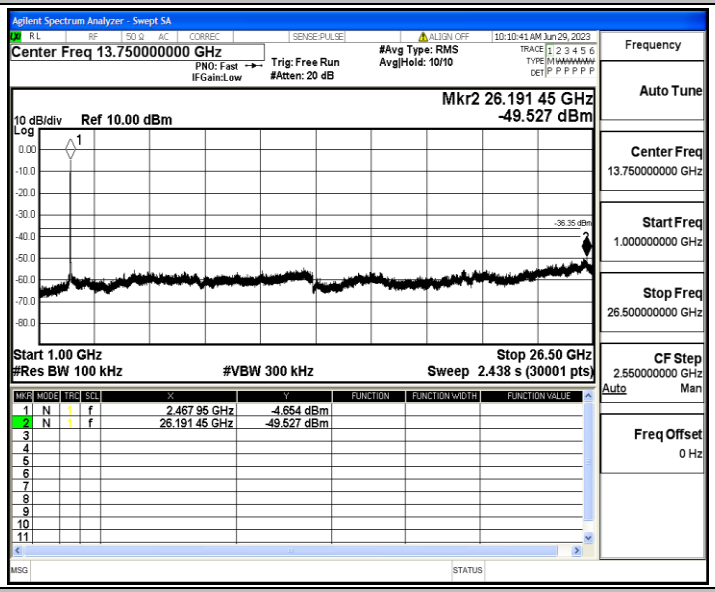
11G_Ant1_2462_0~Reference



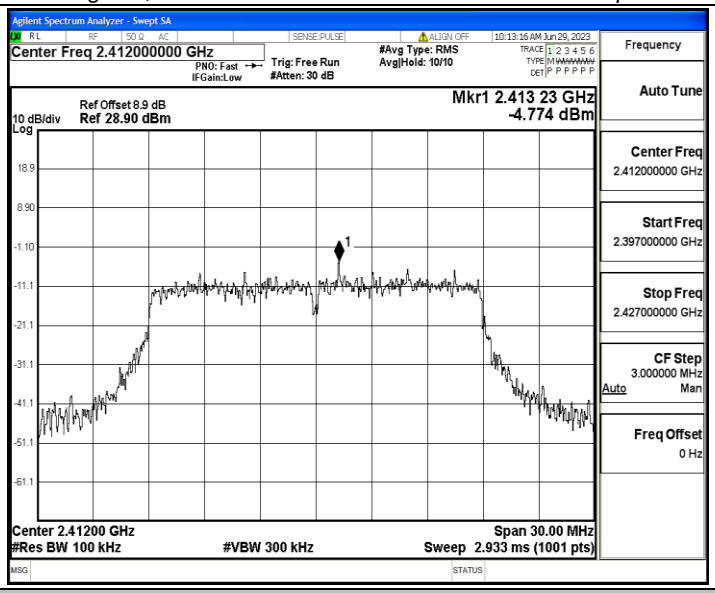
11G_Ant1_2462_30~1000



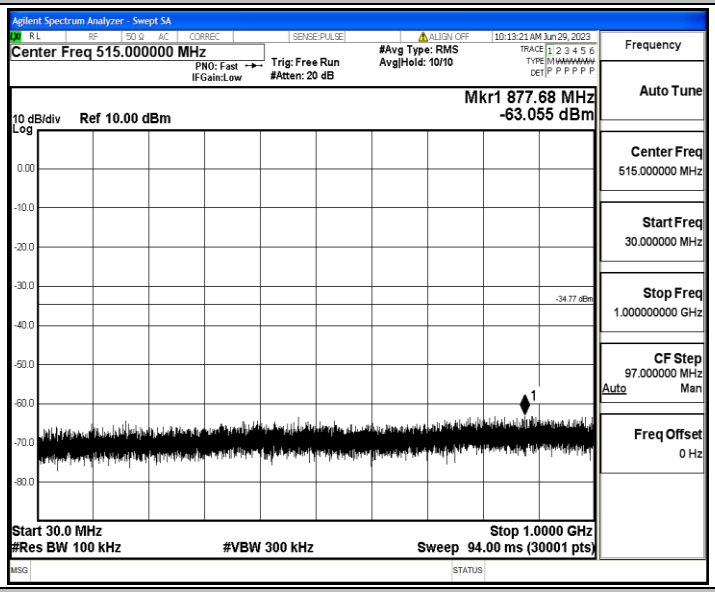
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



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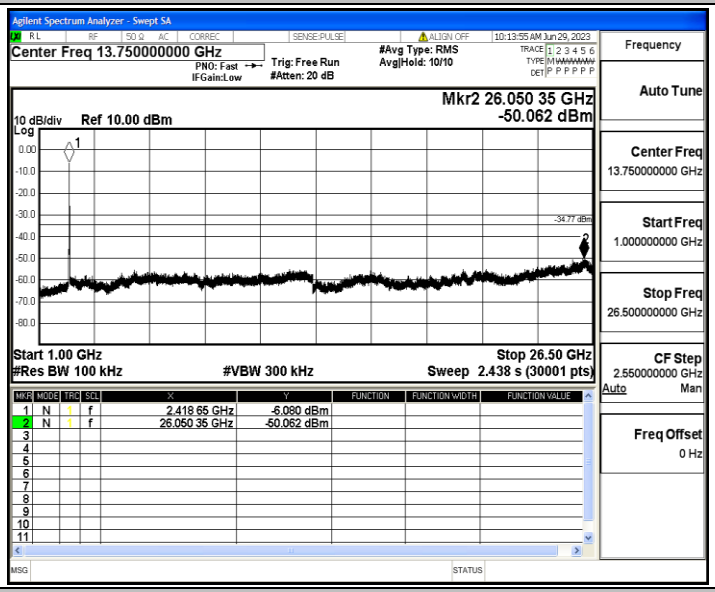
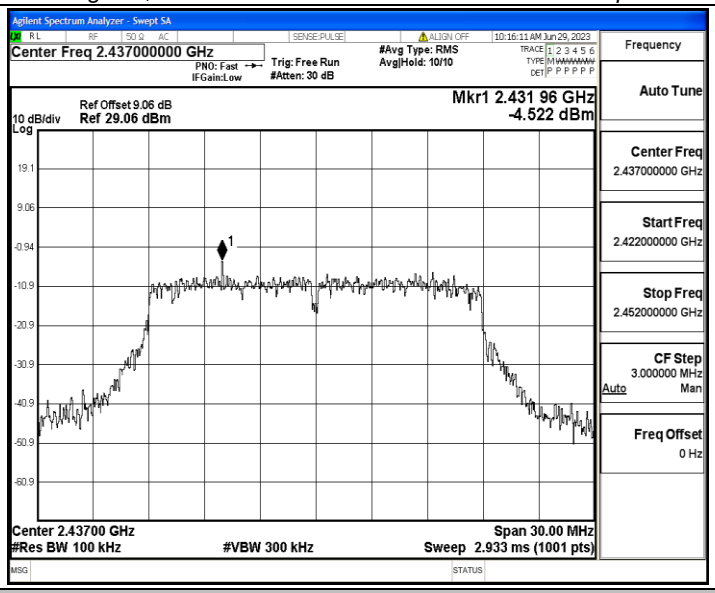
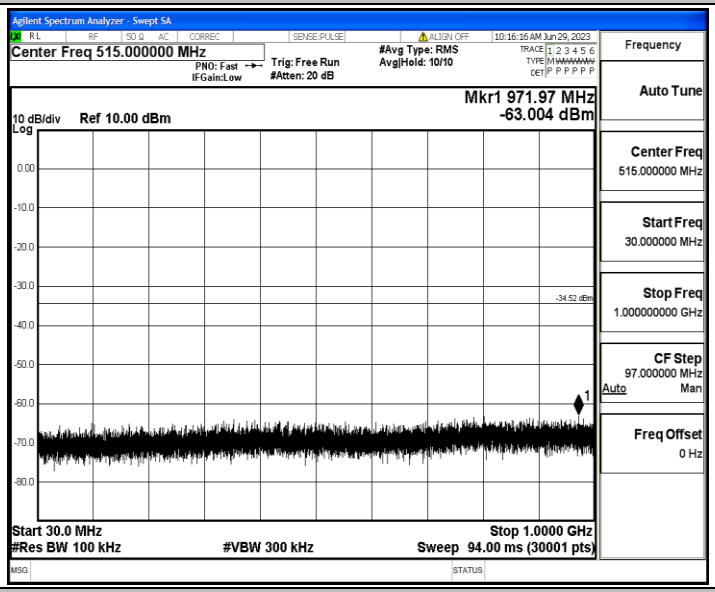


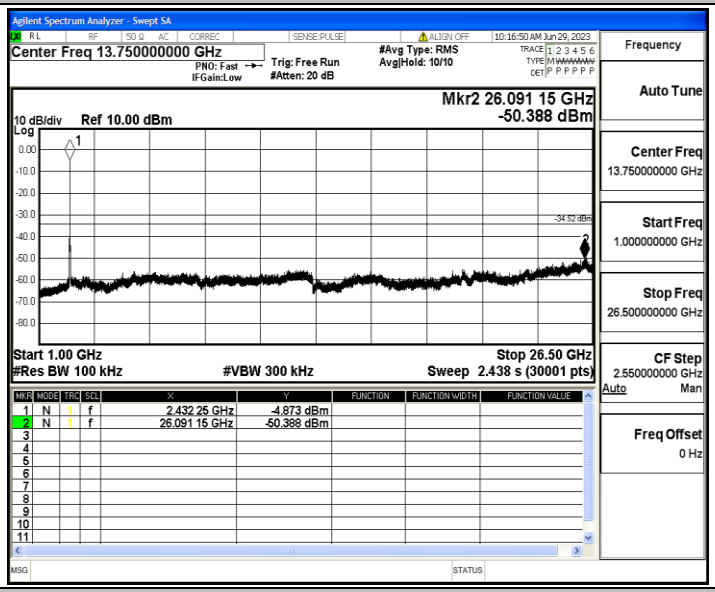
11N20SISO_Ant1_2437_0~Reference



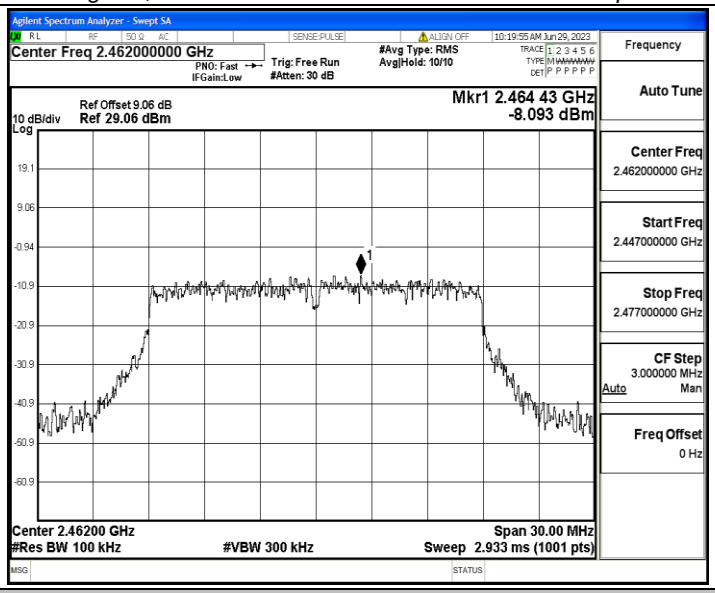
11N20SISO_Ant1_2437_30~1000



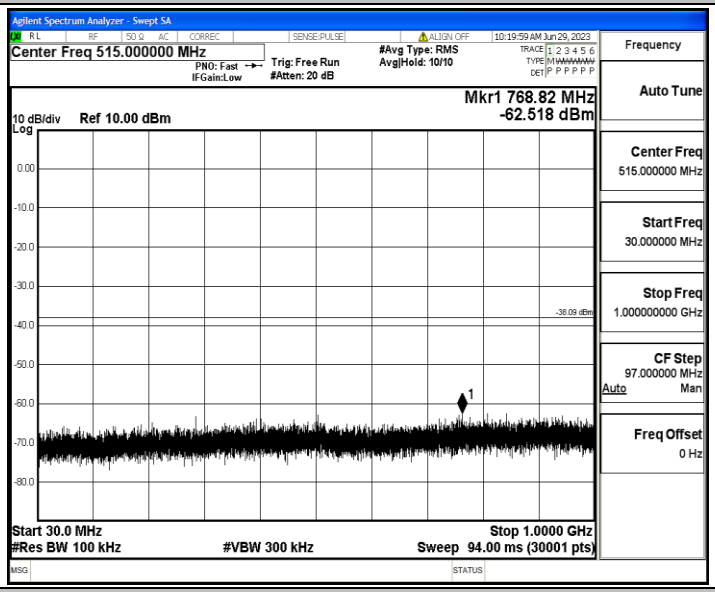
11N20SISO_Ant1_2437_1000~26500



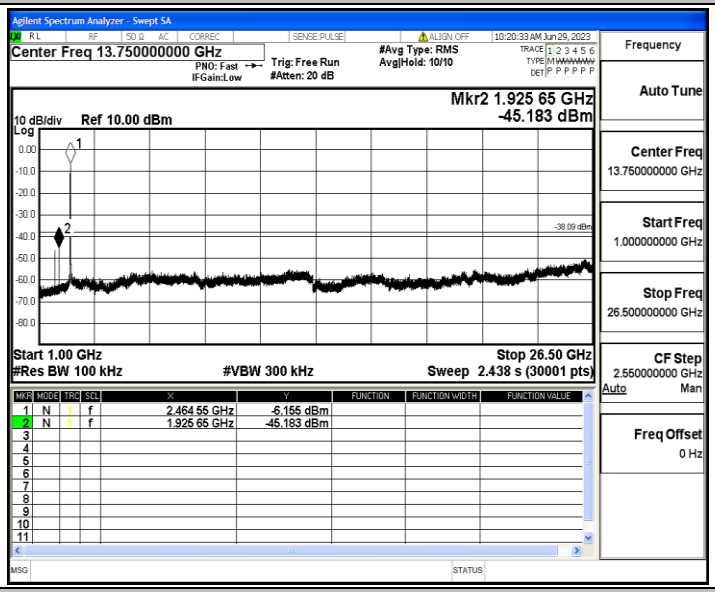
11N20SISO_Ant1_2462_0~Reference



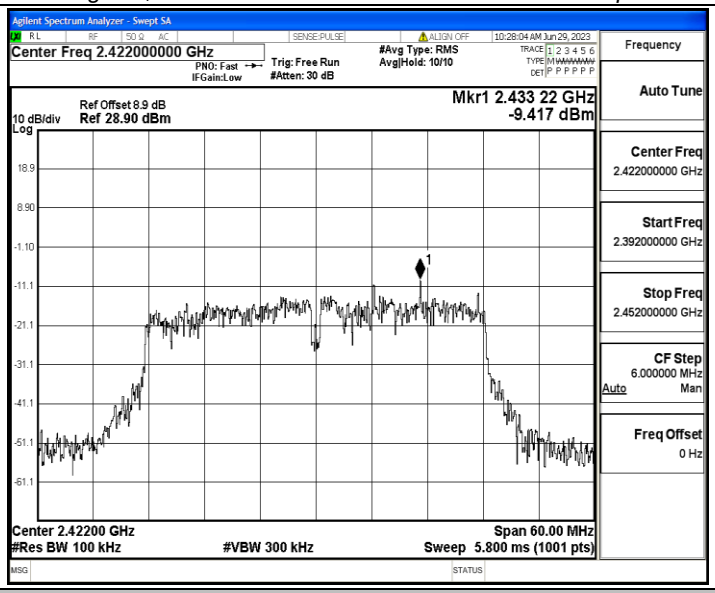
11N20SISO_Ant1_2462_30~1000



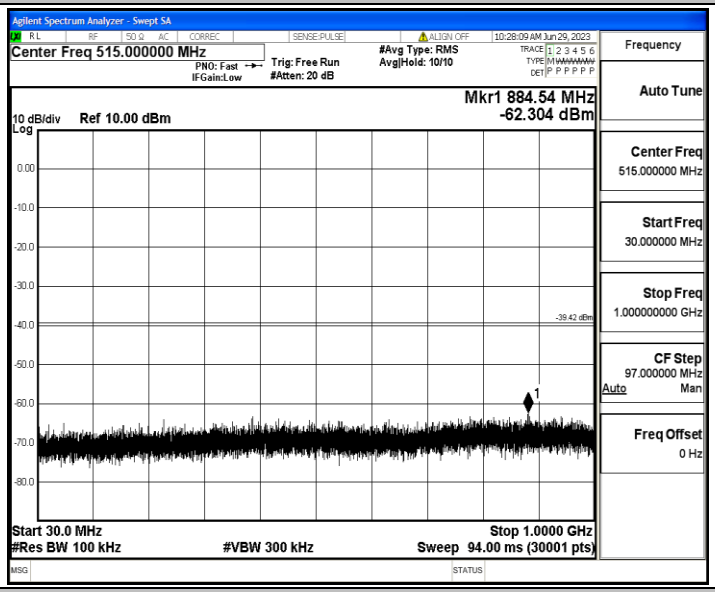
11N20SISO_Ant1_2462_1000~26500



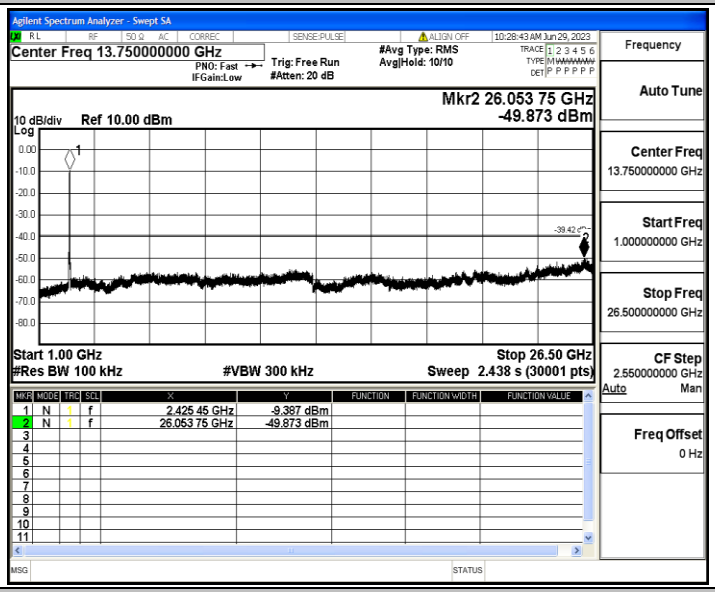
11N40SISO_Ant1_2422_0~Reference



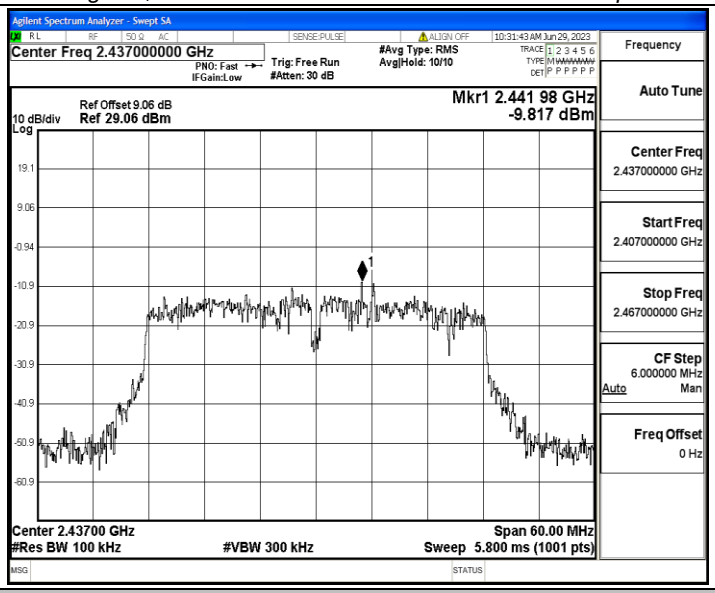
11N40SISO_Ant1_2422_30~1000



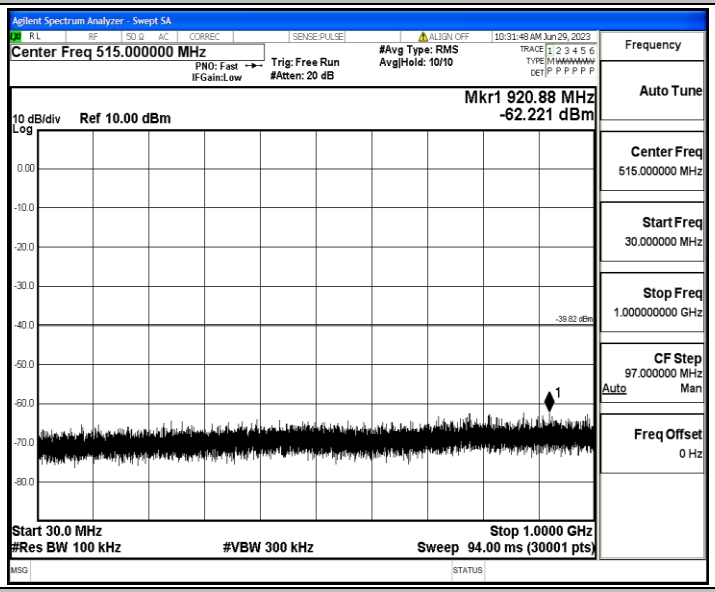
11N40SISO_Ant1_2422_1000~26500



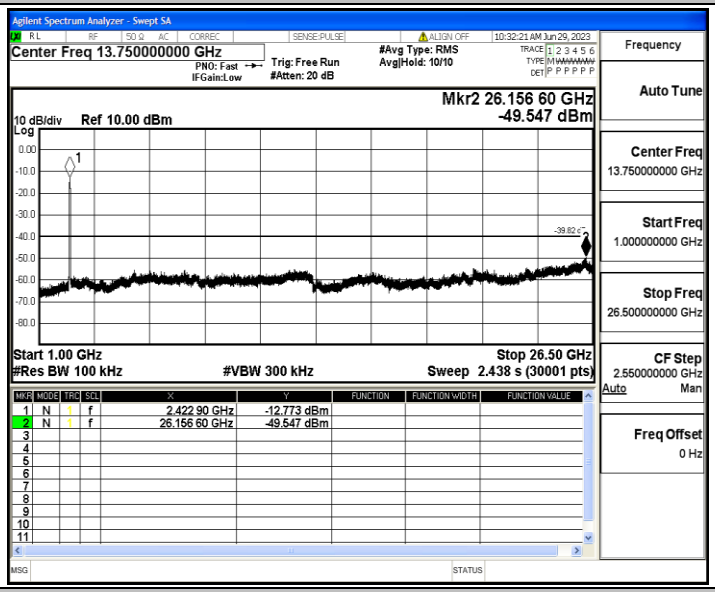
11N40SISO_Ant1_2437_0~Reference



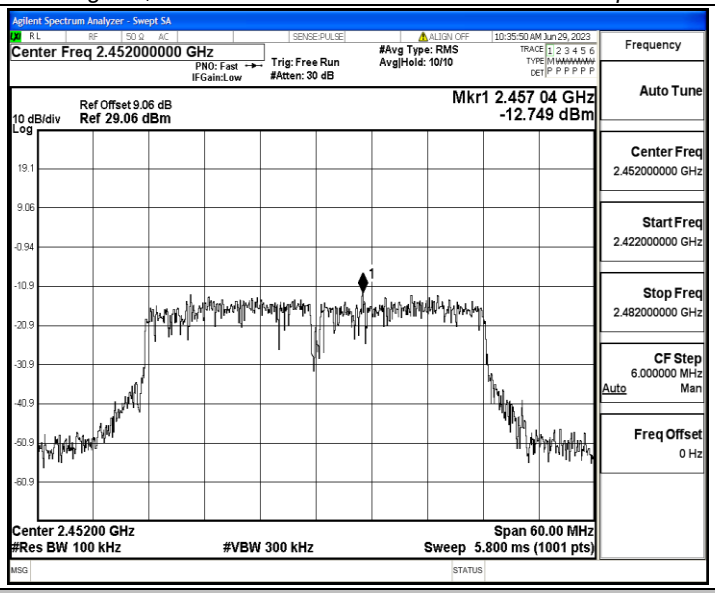
11N40SISO_Ant1_2437_30~1000



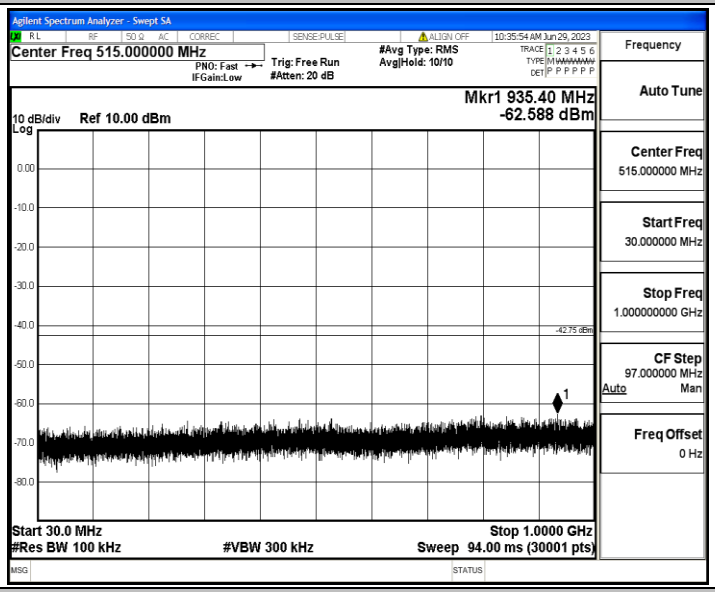
11N40SISO_Ant1_2437_1000~26500



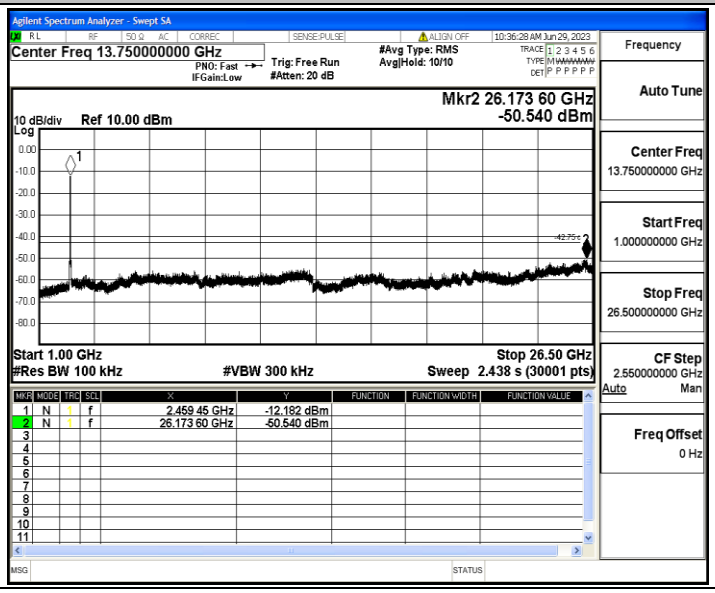
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



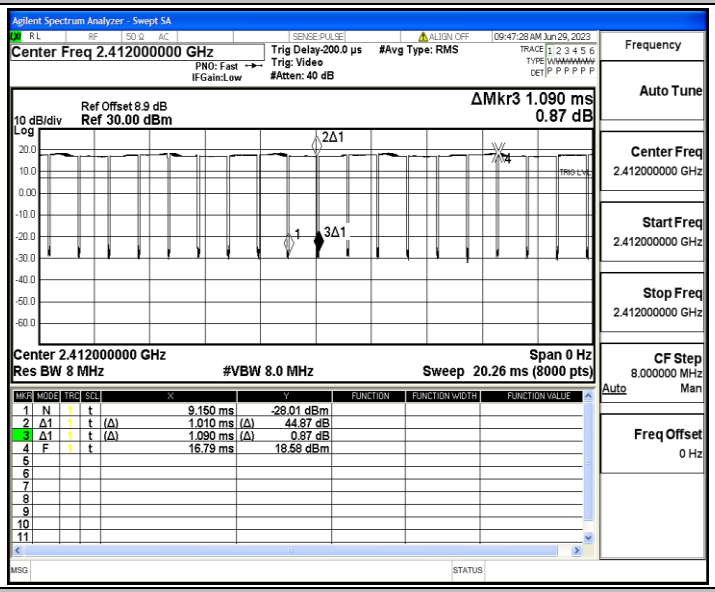
Appendix G: Duty Cycle

Test Result

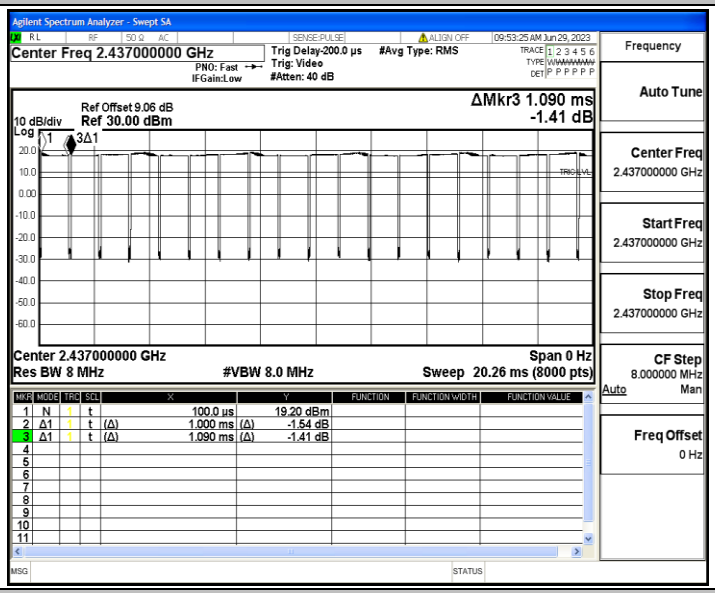
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
11B	Ant1	2412	1.01	1.09	92.66	0.99
		2437	1.00	1.09	91.74	1.00
		2462	1.01	1.09	92.66	0.99
11G	Ant1	2412	0.62	0.66	93.94	1.61
		2437	0.62	0.66	93.94	1.61
		2462	0.61	0.66	92.42	1.64
11N20SISO	Ant1	2412	0.62	0.66	93.94	1.61
		2437	0.61	0.66	92.42	1.64
		2462	0.61	0.66	92.42	1.64
11N40SISO	Ant1	2422	0.58	1.80	32.22	1.72
		2437	0.58	1.81	32.04	1.72
		2452	0.58	1.80	32.22	1.72

Test Graphs

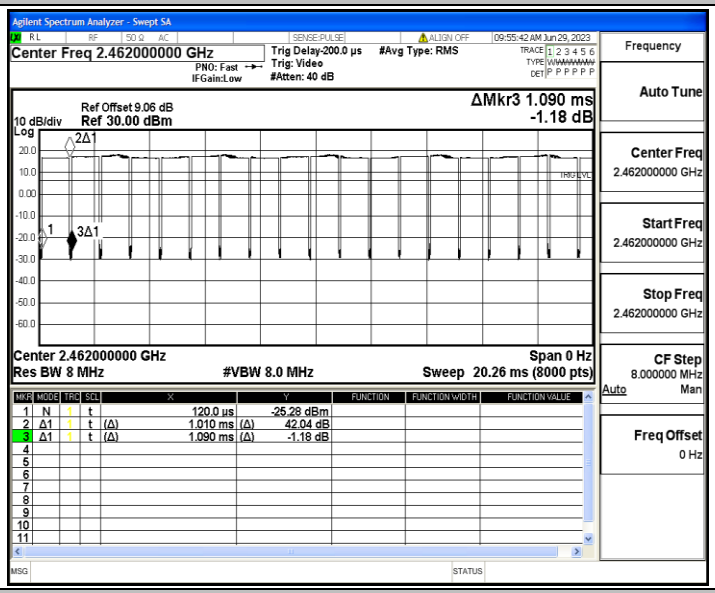
11B_Ant1_2412



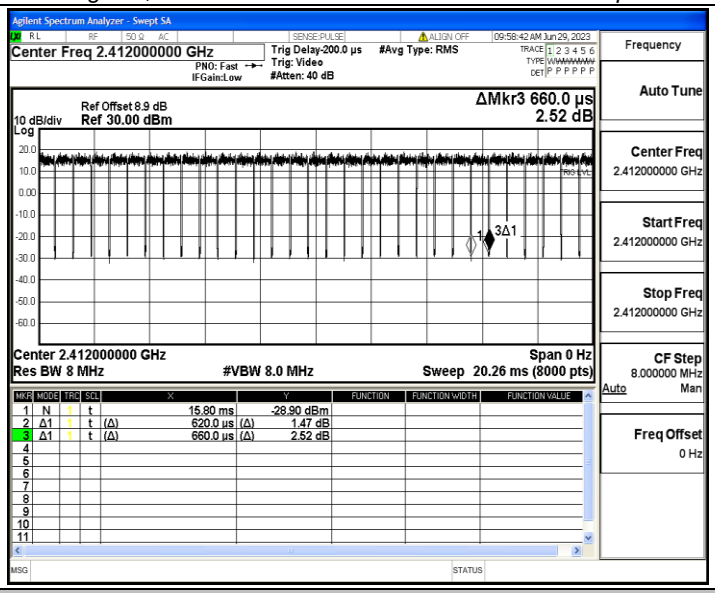
11B_Ant1_2437



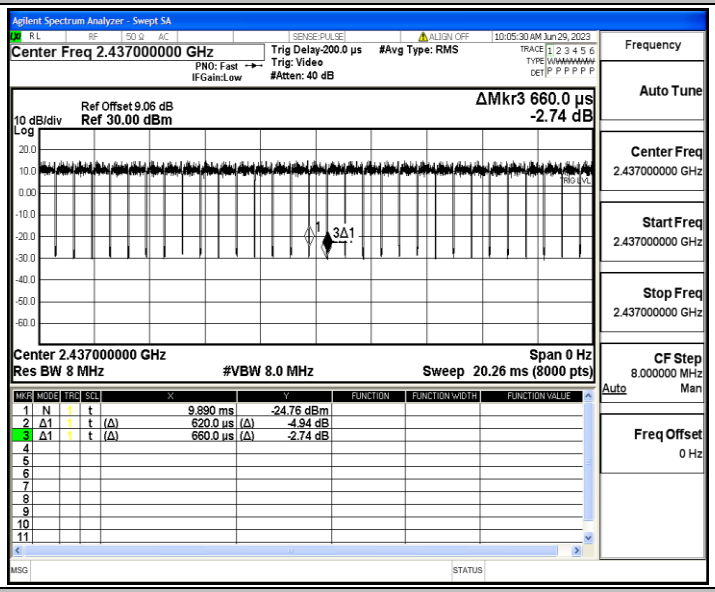
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



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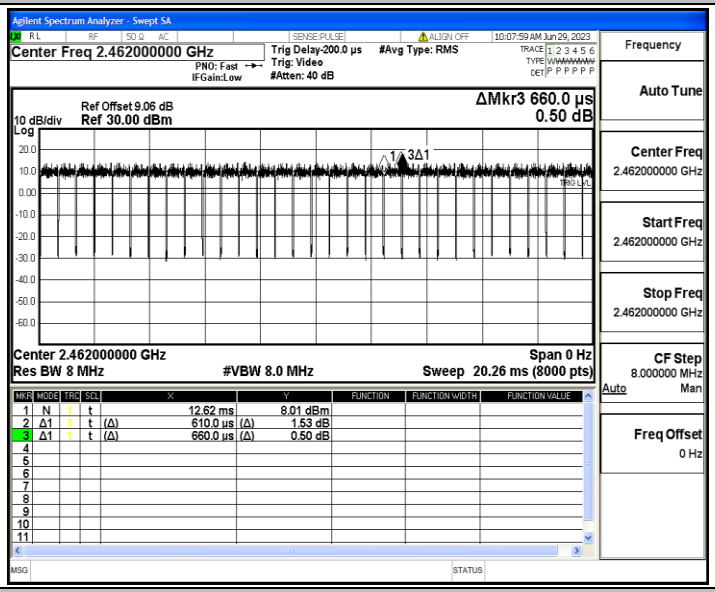

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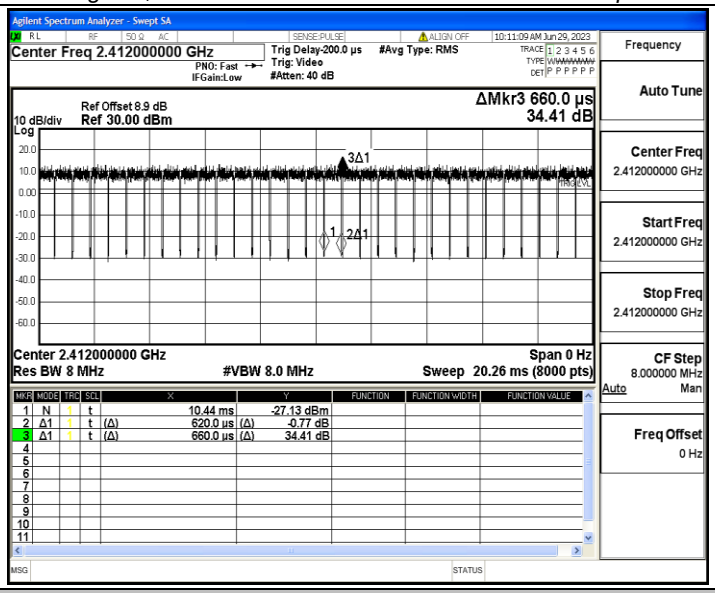

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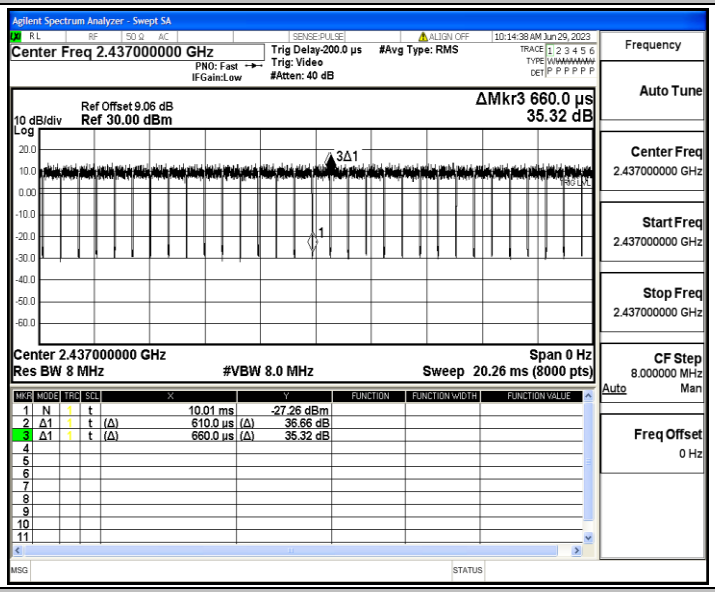

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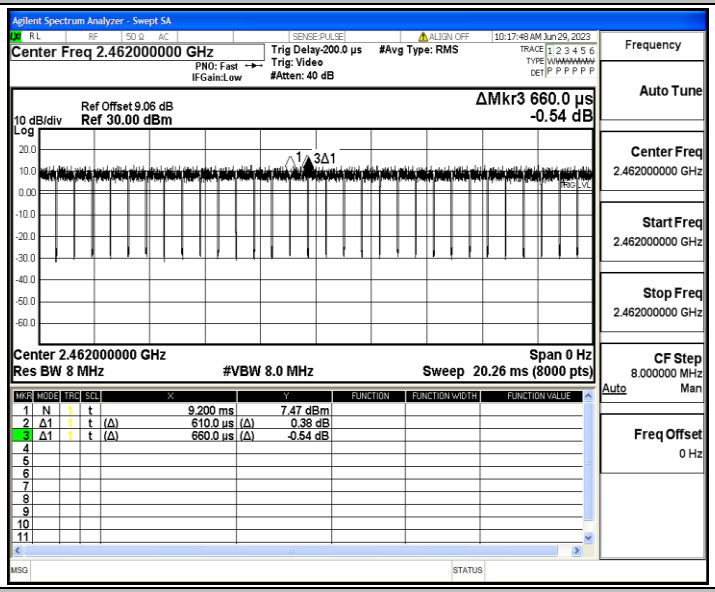

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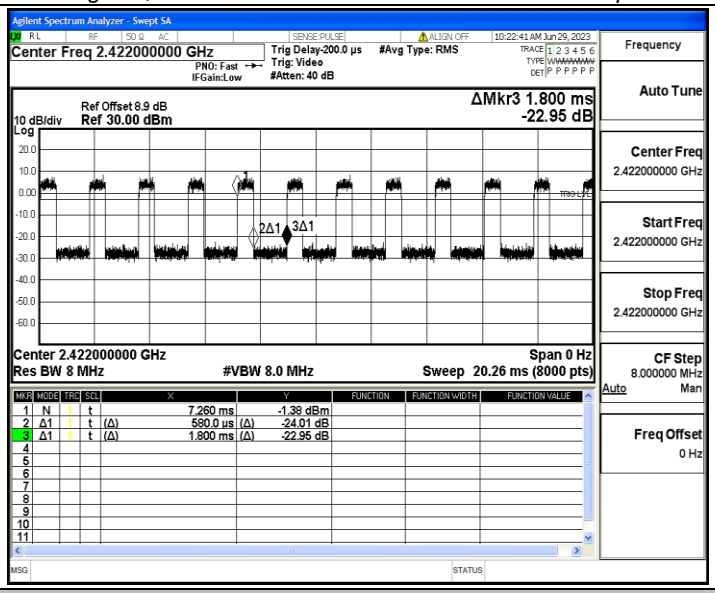

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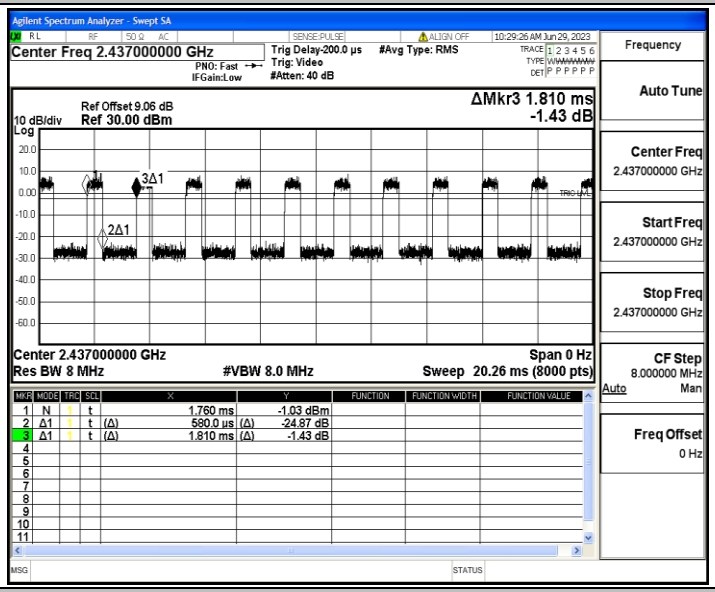
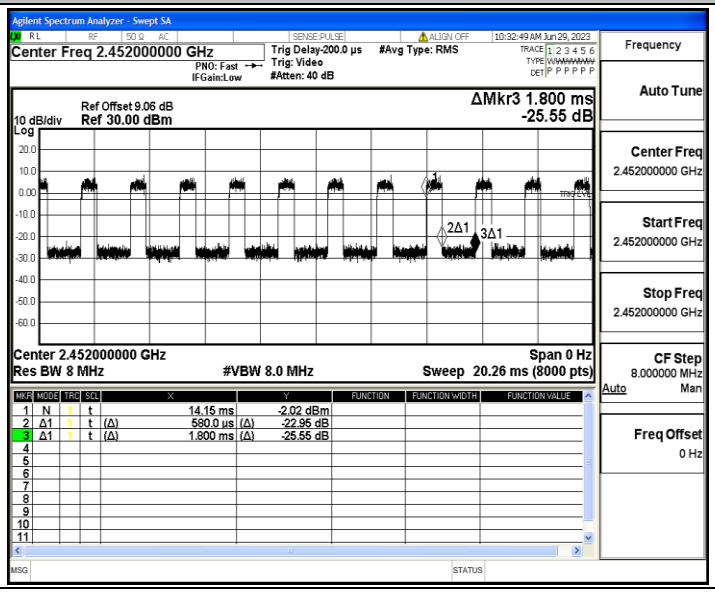
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