

Applicant:Shenzhen Jiaomao Technology Co., Ltd.

Case No. : TH2410237-C01

EUT: Smart Garage Camera

M/N: JMCG01

Standard:FCC PART 15 C 15.247

Test Power Supply: NA

Ambient Condition: 24 °C, 41 %RH, 101.325 kPa

Test Date: 2024.10.21

Test Engineer: Blue

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.000	2407.520	2416.520	0.5	PASS
		2437	9.000	2432.480	2441.480	0.5	PASS
		2462	9.040	2457.480	2466.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	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	17.520	2403.240	2420.760	0.5	PASS
		2437	17.520	2428.240	2445.760	0.5	PASS
		2462	17.520	2453.240	2470.760	0.5	PASS
11N40SISO	Ant1	2422	36.000	2403.840	2439.840	0.5	PASS
		2437	35.680	2418.920	2454.600	0.5	PASS
		2452	36.000	2433.840	2469.840	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



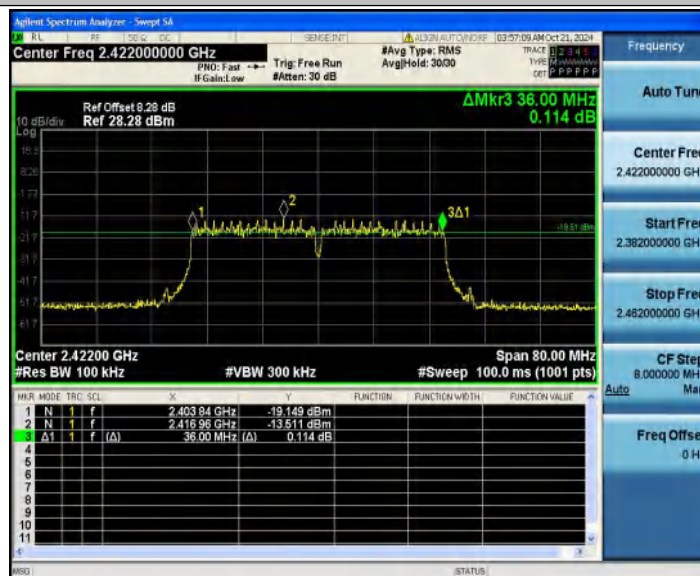
11N20SISO_Ant1_2437



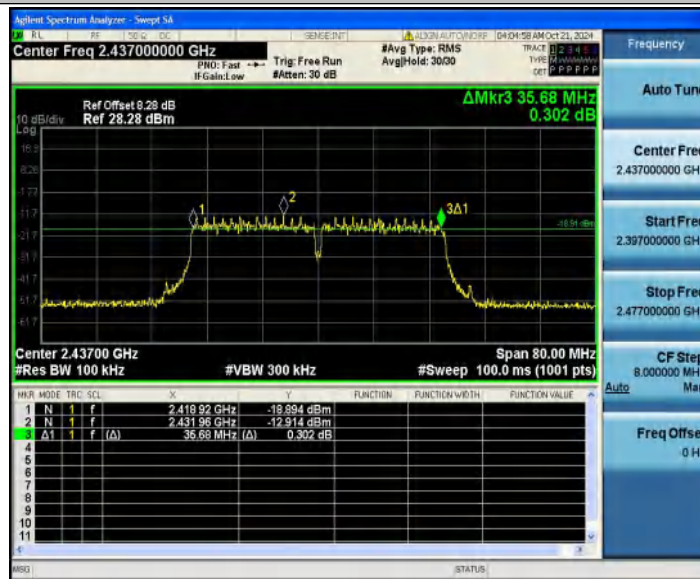
11N20SISO_Ant1_2462



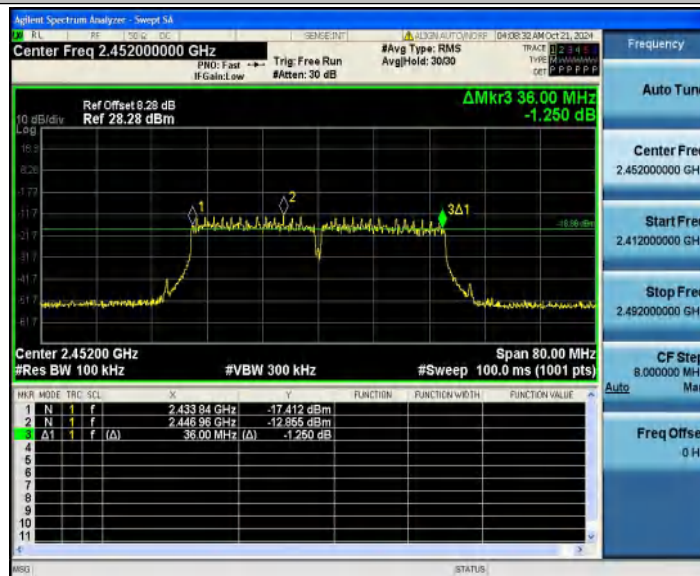
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



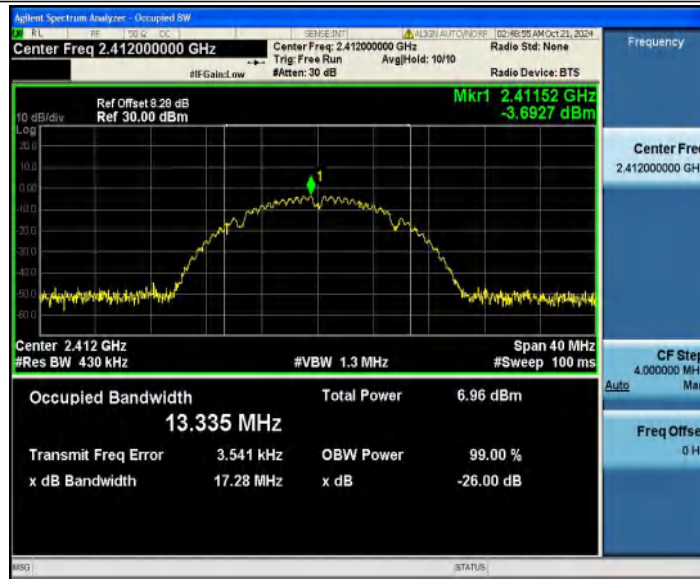
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.335	2405.3360	2418.6710	---	---
		2437	13.333	2430.2970	2443.6300	---	---
		2462	13.373	2455.2281	2468.6011	---	---
11G	Ant1	2412	16.881	2403.5737	2420.4547	---	---
		2437	16.764	2428.7304	2445.4944	---	---
		2462	16.690	2453.5829	2470.2729	---	---
11N20SISO	Ant1	2412	17.687	2403.1562	2420.8432	---	---
		2437	17.819	2428.0760	2445.8950	---	---
		2462	17.798	2453.1070	2470.9050	---	---
11N40SISO	Ant1	2422	36.295	2403.8031	2440.0981	---	---
		2437	36.306	2418.7130	2455.0190	---	---
		2452	36.191	2433.8307	2470.0217	---	---

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



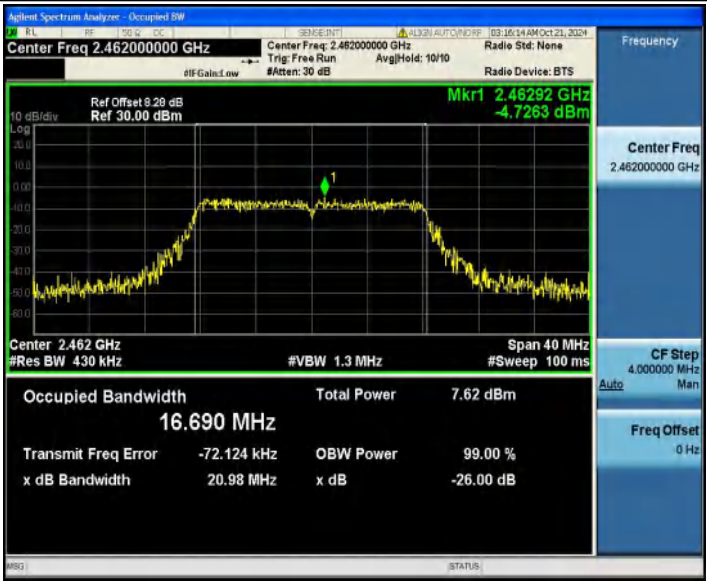
11G_Ant1_2412



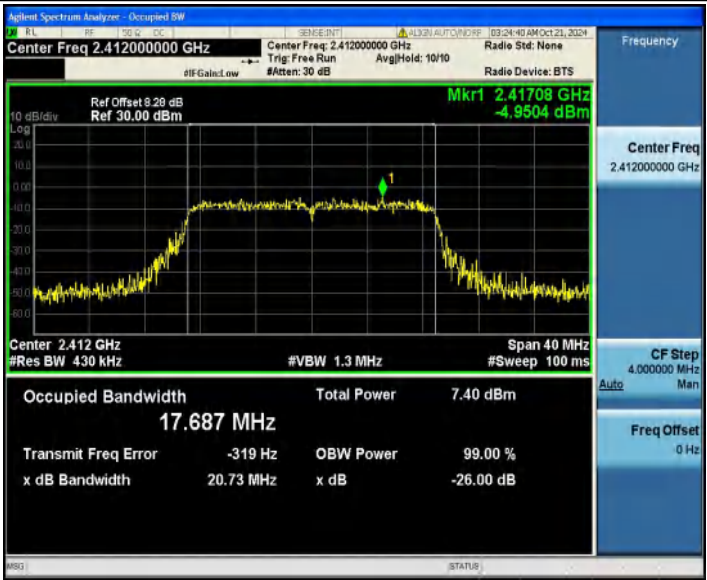
11G_Ant1_2437



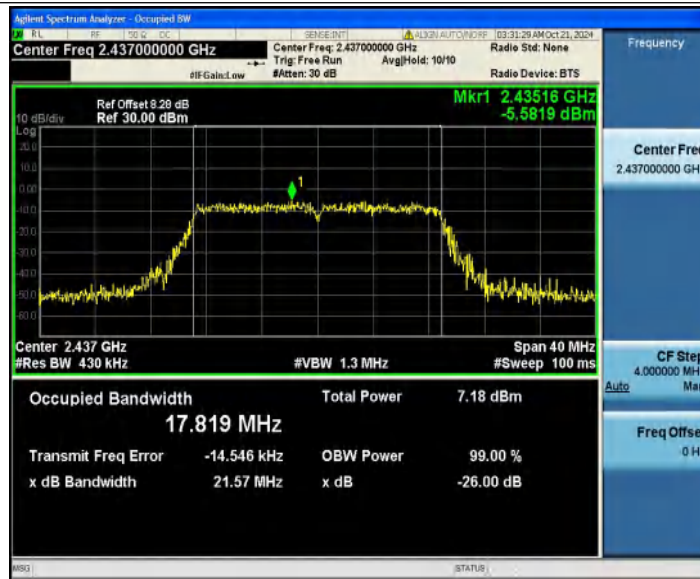
11G_Ant1_2462



11N20SISO_Ant1_2412



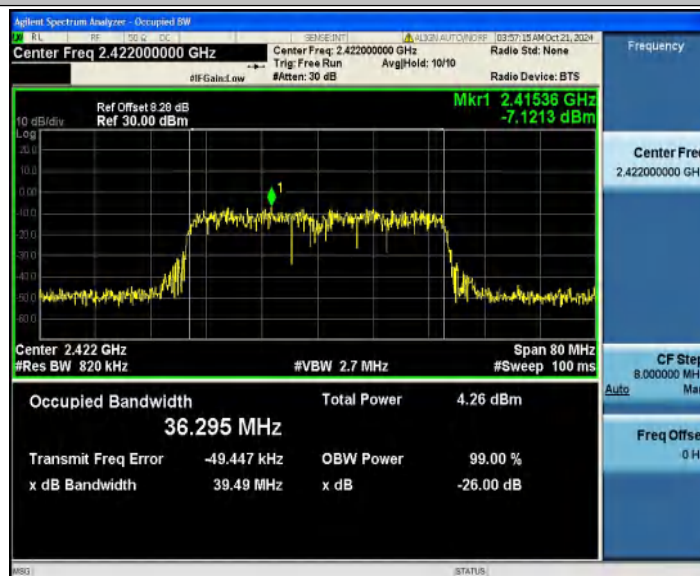
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



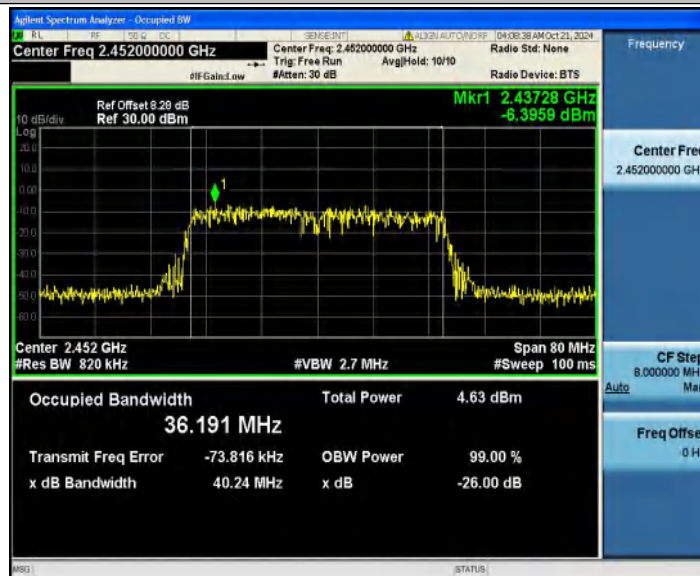
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Channel	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	7.23	≤30.00	PASS
		2437	---	7.07	≤30.00	PASS
		2462	---	6.92	≤30.00	PASS
11G	Ant1	2412	---	12.62	≤30.00	PASS
		2437	---	12.31	≤30.00	PASS
		2462	---	11.72	≤30.00	PASS
11N20SIS O	Ant1	2412	---	11.67	≤30.00	PASS
		2437	---	11.32	≤30.00	PASS
		2462	---	10.79	≤30.00	PASS
11N40SIS O	Ant1	2422	---	8.52	≤30.00	PASS
		2437	---	8.66	≤30.00	PASS
		2452	---	8.66	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.33	≤8.00	PASS
		2437	-16.83	≤8.00	PASS
		2462	-16.68	≤8.00	PASS
11G	Ant1	2412	-18.99	≤8.00	PASS
		2437	-19.64	≤8.00	PASS
		2462	-19.03	≤8.00	PASS
11N20SISO	Ant1	2412	-20.21	≤8.00	PASS
		2437	-20.15	≤8.00	PASS
		2462	-20.93	≤8.00	PASS
11N40SISO	Ant1	2422	-26.72	≤8.00	PASS
		2437	-27.13	≤8.00	PASS
		2452	-27.01	≤8.00	PASS

Test Graphs

11B_Ant1_2412



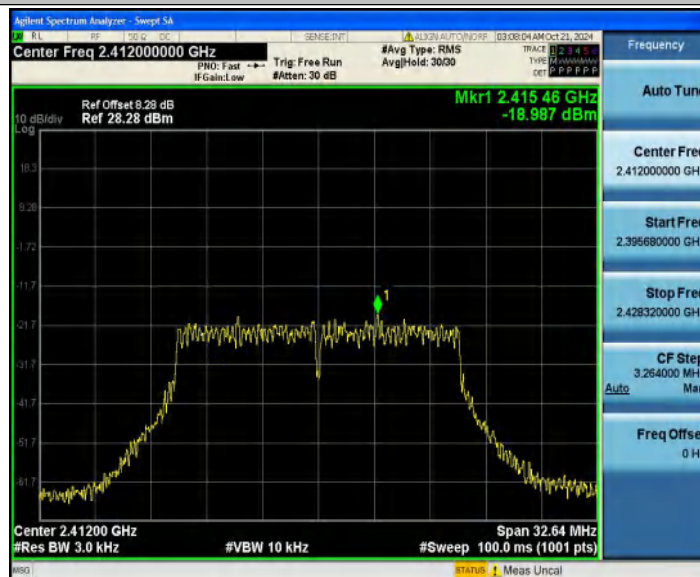
11B_Ant1_2437



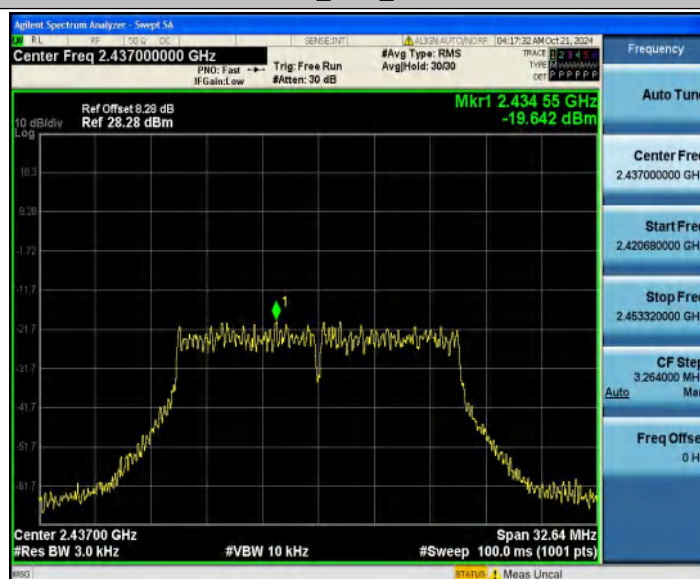
11B_Ant1_2462



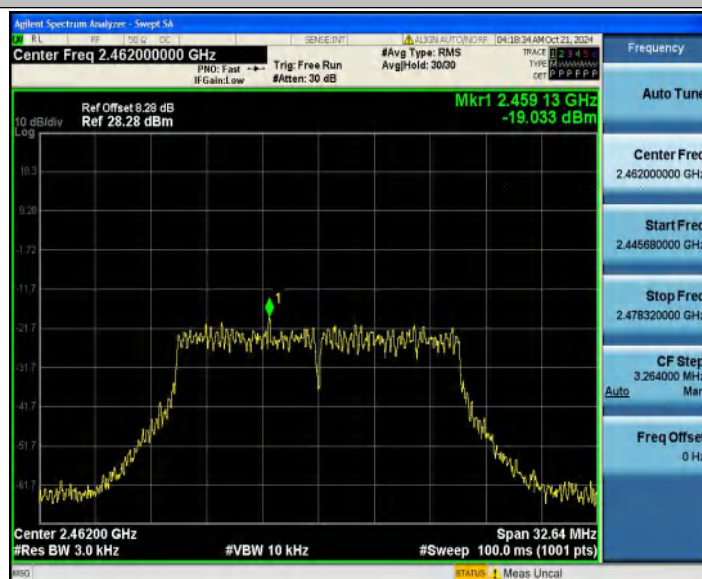
11G_Ant1_2412



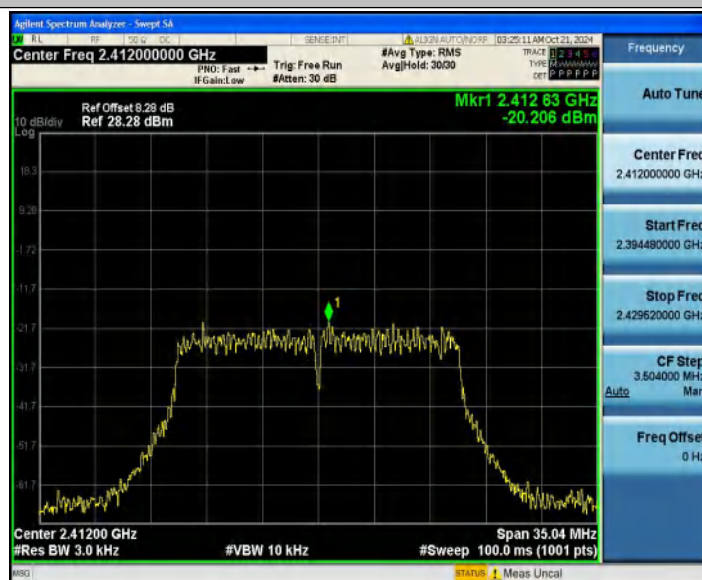
11G_Ant1_2437



11G_Ant1_2462



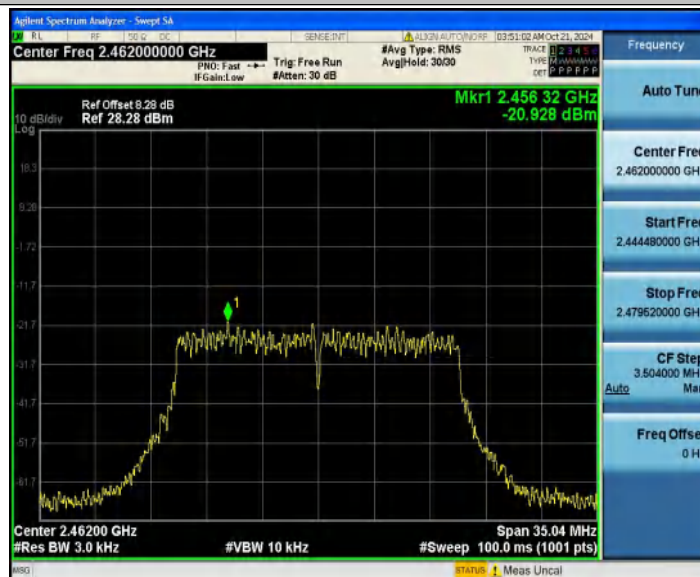
11N20SISO_Ant1_2412



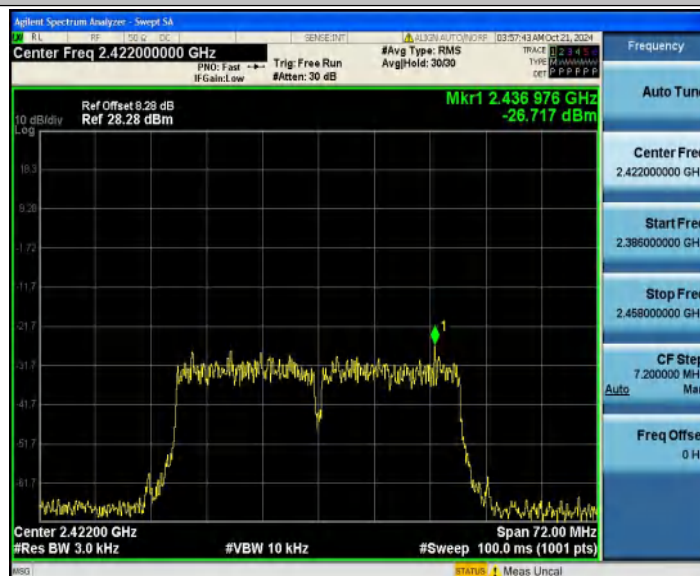
11N20SISO_Ant1_2437



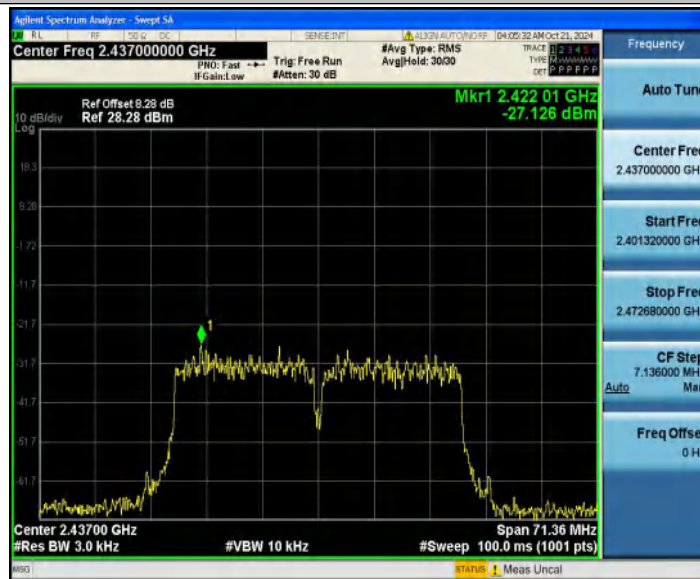
11N20SISO_Ant1_2462



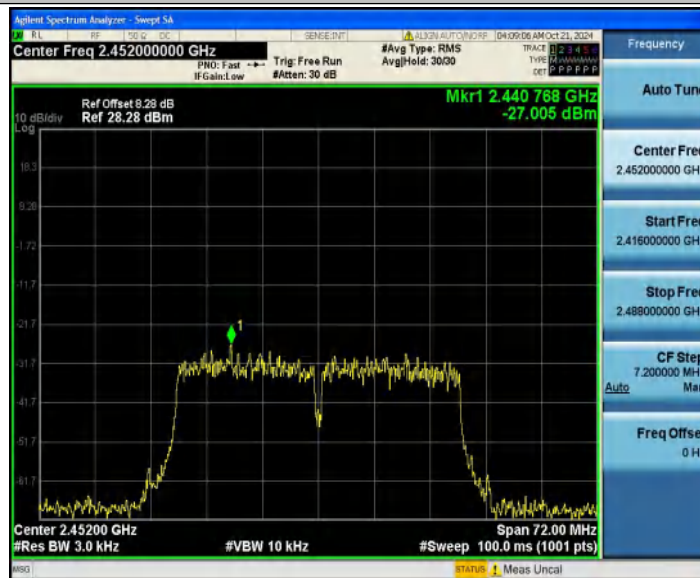
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



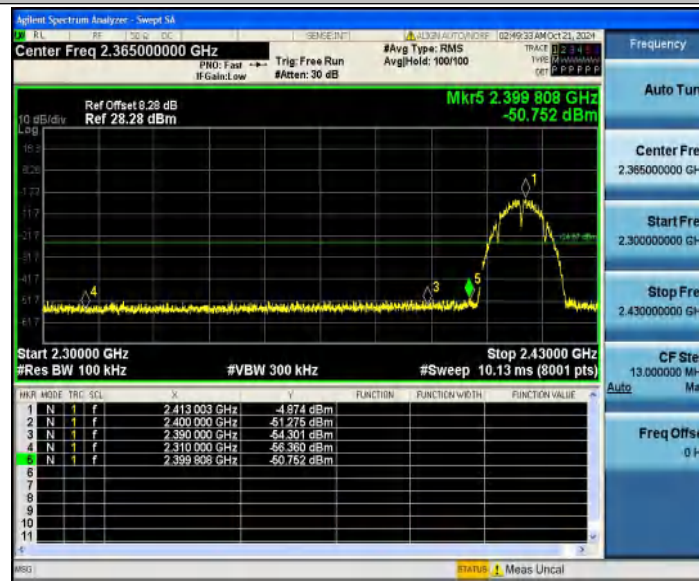
Appendix E: Band edge measurements

Test Result

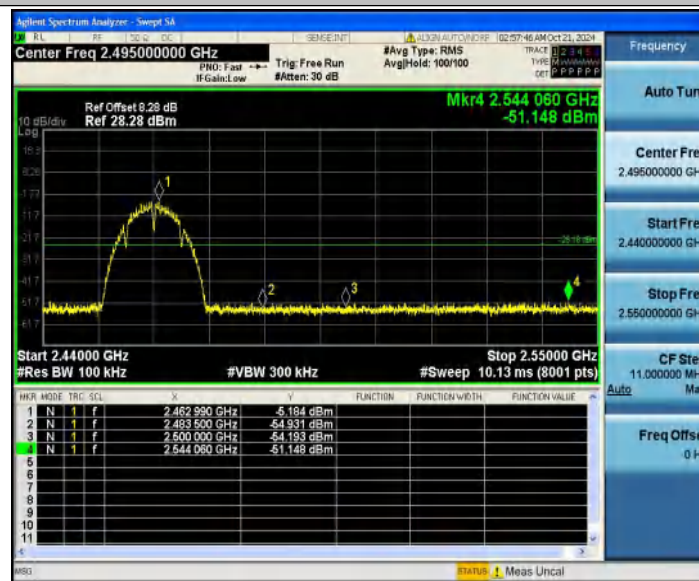
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-4.87	-50.75	≤ -24.87	PASS
		High	2462	-5.18	-51.15	≤ -25.18	PASS
11G	Ant1	Low	2412	-6.77	-43.8	≤ -26.77	PASS
		High	2462	-7.43	-50.85	≤ -27.43	PASS
11N20SISO	Ant1	Low	2412	-7.47	-45.55	≤ -27.47	PASS
		High	2462	-7.93	-50.93	≤ -27.93	PASS
11N40SISO	Ant1	Low	2422	-12.58	-47.19	≤ -32.58	PASS
		High	2452	-12.88	-51.12	≤ -32.88	PASS

Test Graphs

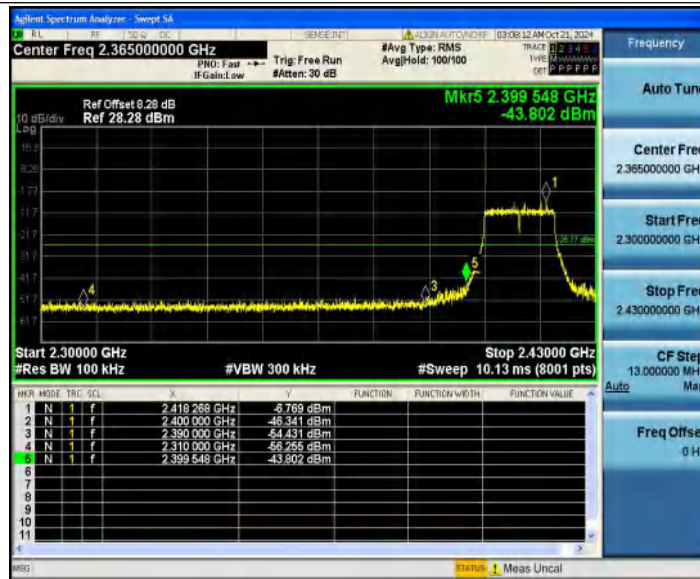
11B_Ant1_Low_2412



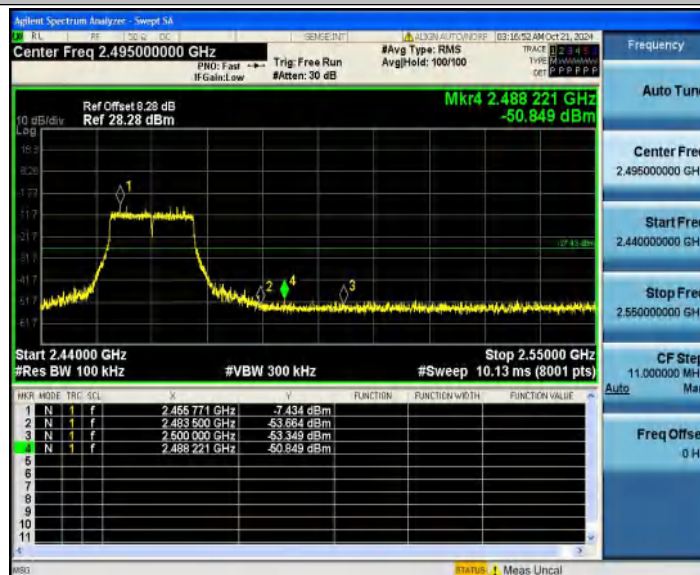
11B_Ant1_High_2462



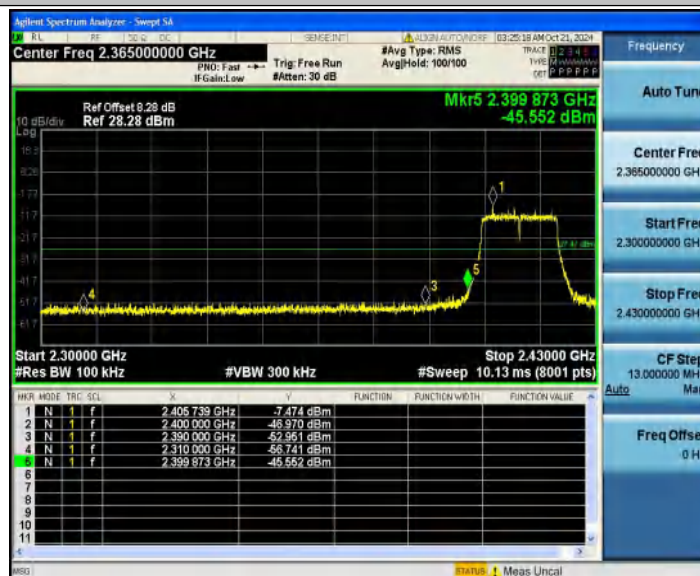
11G_Ant1_Low_2412



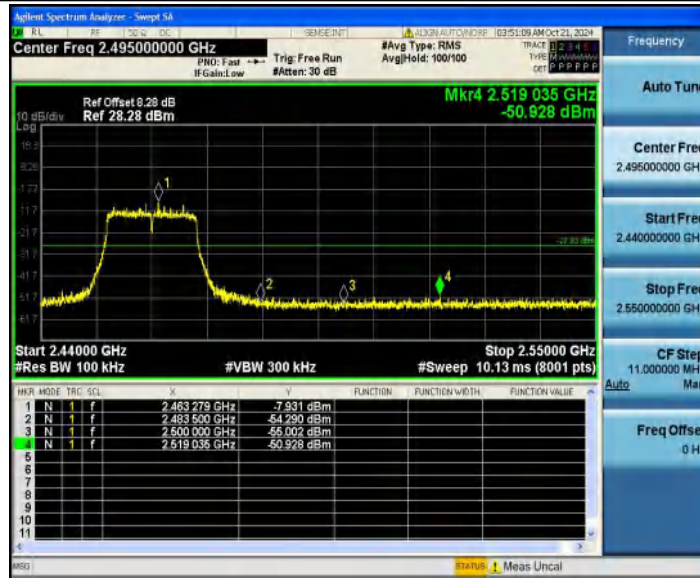
11G_Ant1_High_2462



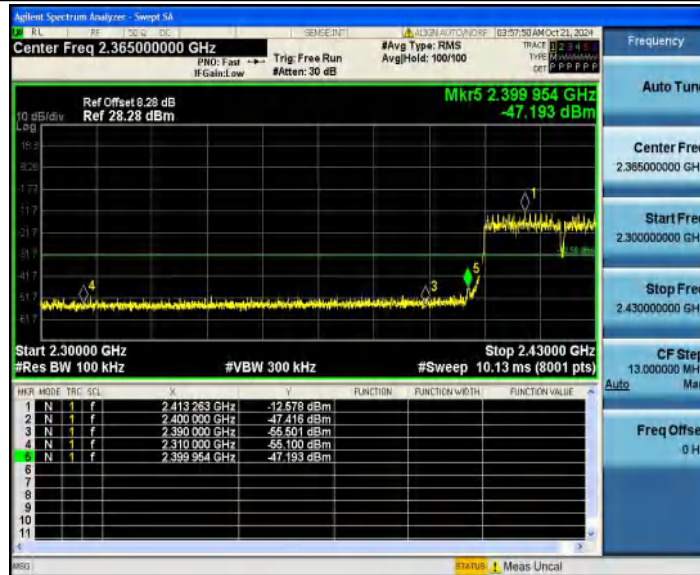
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

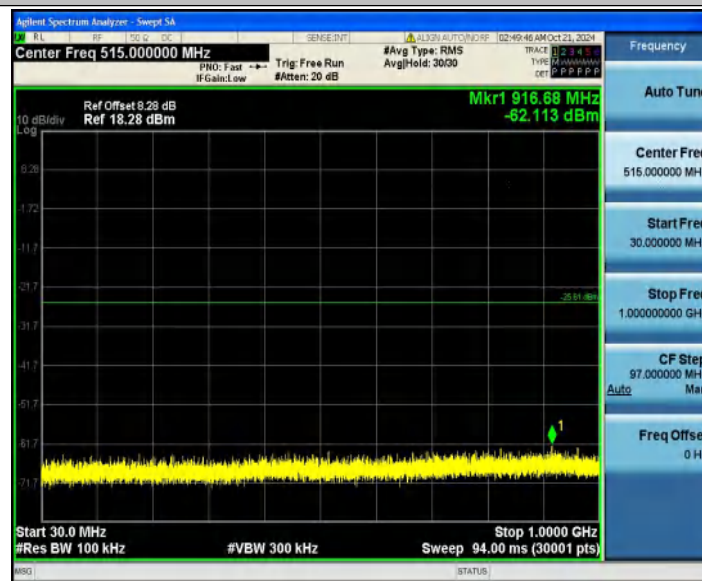
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-5.61	-5.61	---	PASS
			30~1000	-5.61	-62.11	≤-25.61	PASS
			1000~26500	-5.61	-53.44	≤-25.61	PASS
		2437	Reference	-4.78	-4.78	---	PASS
			30~1000	-4.78	-62.38	≤-24.78	PASS
			1000~26500	-4.78	-52.04	≤-24.78	PASS
		2462	Reference	-5.50	-5.50	---	PASS
			30~1000	-5.50	-61.92	≤-25.5	PASS
			1000~26500	-5.50	-52.31	≤-25.5	PASS
11G	Ant1	2412	Reference	-7.48	-7.48	---	PASS
			30~1000	-7.48	-62.03	≤-27.48	PASS
			1000~26500	-7.48	-52.23	≤-27.48	PASS
		2437	Reference	-8.09	-8.09	---	PASS
			30~1000	-8.09	-62.79	≤-28.09	PASS
			1000~26500	-8.09	-52.27	≤-28.09	PASS
		2462	Reference	-10.47	-10.47	---	PASS
			30~1000	-10.47	-62.22	≤-30.47	PASS
			1000~26500	-10.47	-48.17	≤-30.47	PASS
11N20SISO	Ant1	2412	Reference	-8.32	-8.32	---	PASS
			30~1000	-8.32	-63.12	≤-28.32	PASS
			1000~26500	-8.32	-52.37	≤-28.32	PASS
		2437	Reference	-8.70	-8.70	---	PASS
			30~1000	-8.70	-61.92	≤-28.7	PASS
			1000~26500	-8.70	-52.65	≤-28.7	PASS
		2462	Reference	-9.95	-9.95	---	PASS
			30~1000	-9.95	-61.71	≤-29.95	PASS
			1000~26500	-9.95	-52.46	≤-29.95	PASS
11N40SISO	Ant1	2422	Reference	-13.14	-13.14	---	PASS
			30~1000	-13.14	-62.32	≤-33.14	PASS
			1000~26500	-13.14	-52.56	≤-33.14	PASS
		2437	Reference	-13.16	-13.16	---	PASS
			30~1000	-13.16	-61.61	≤-33.16	PASS
			1000~26500	-13.16	-52.93	≤-33.16	PASS
		2452	Reference	-13.45	-13.45	---	PASS
			30~1000	-13.45	-61.32	≤-33.45	PASS
			1000~26500	-13.45	-52.93	≤-33.45	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



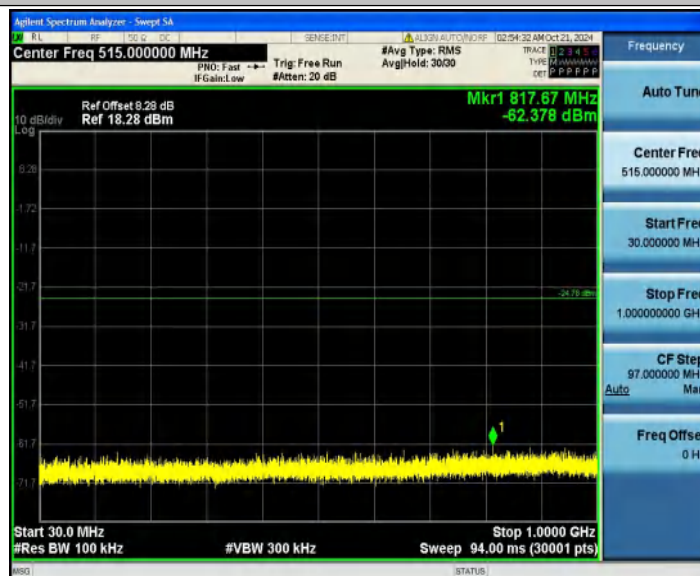
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



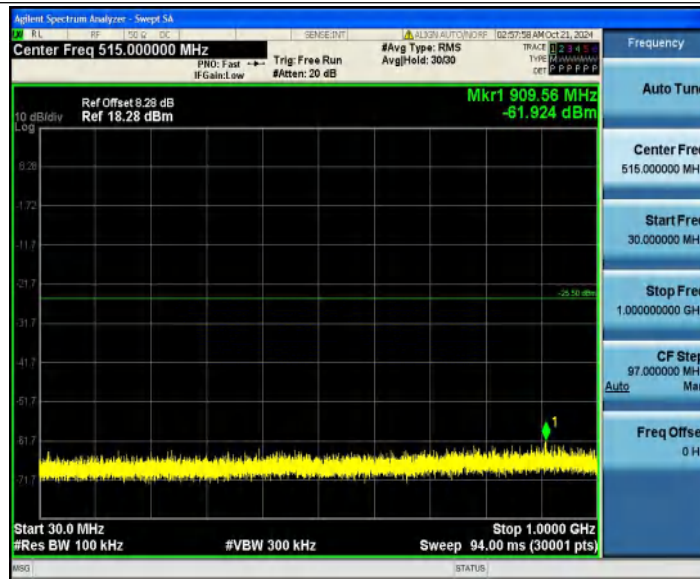
11B_Ant1_2437_1000~26500



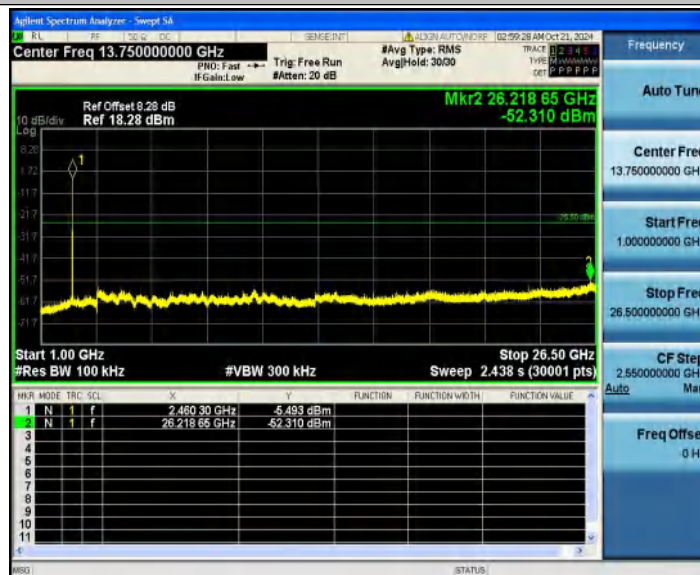
11B_Ant1_2462_0~Reference



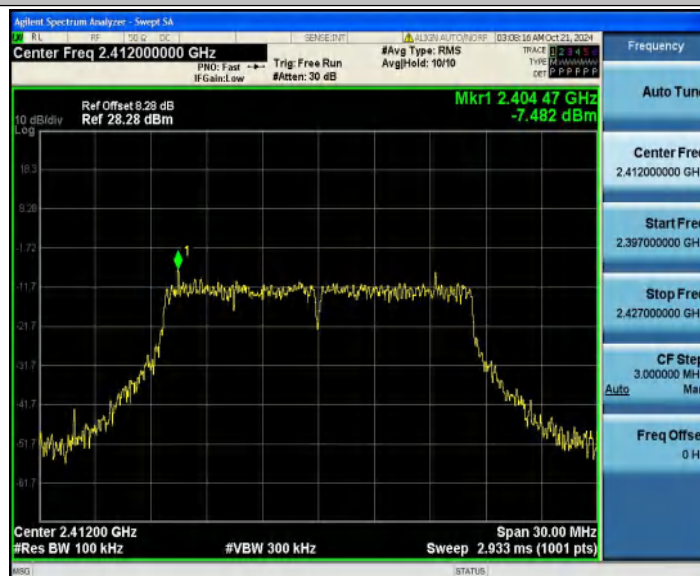
11B_Ant1_2462_30~1000



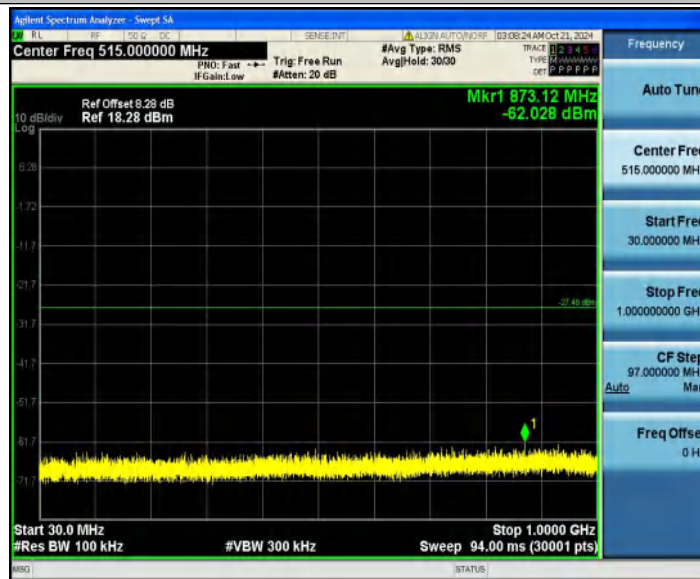
11B_Ant1_2462_1000~26500



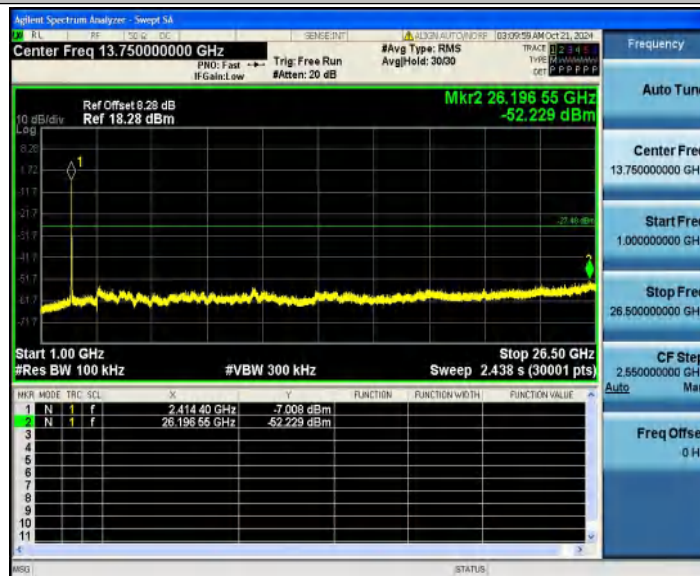
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



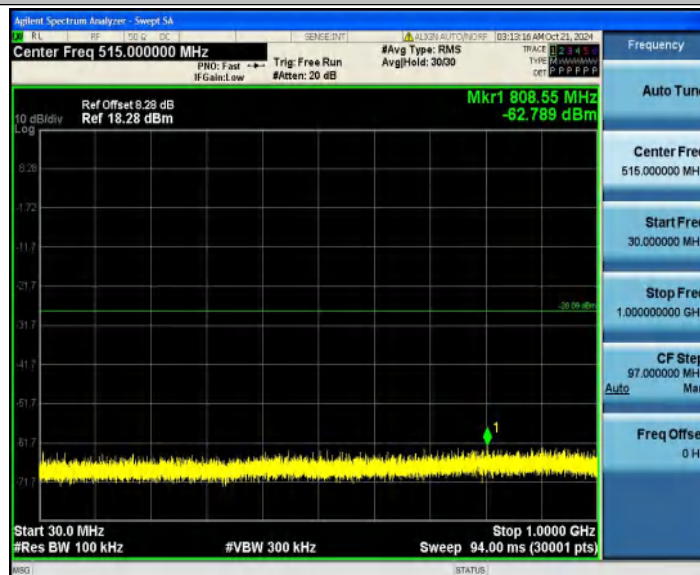
11G_Ant1_2412_1000~26500



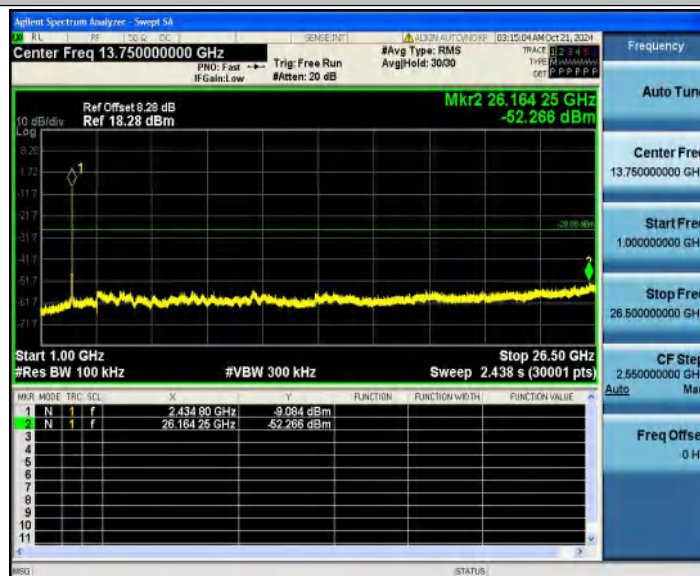
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



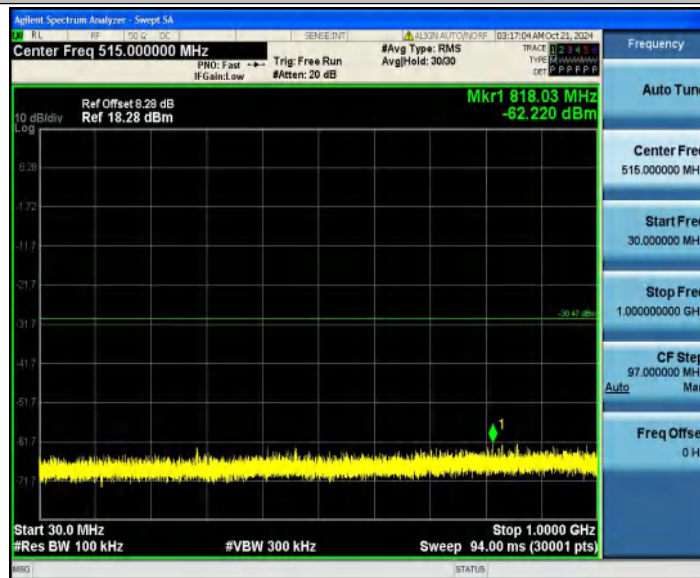
11G_Ant1_2437_1000~26500



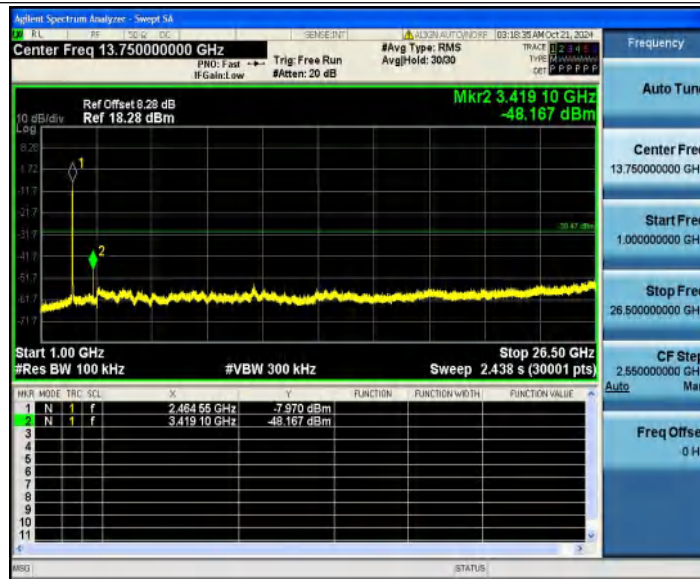
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



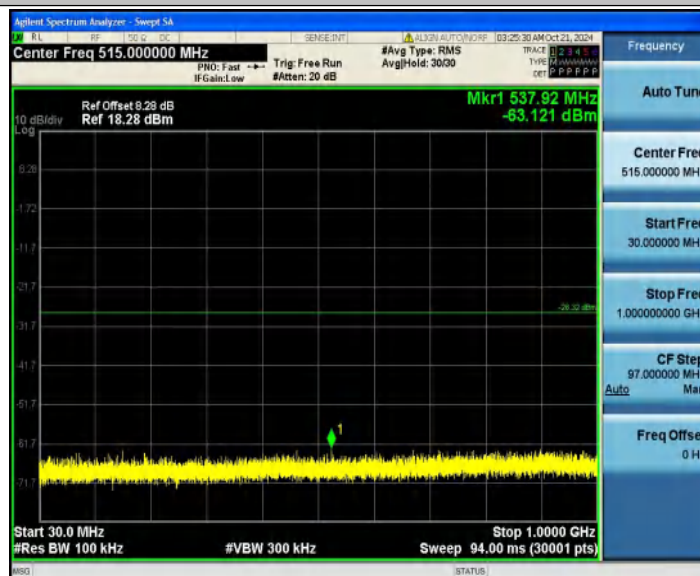
11G_Ant1_2462_1000~26500



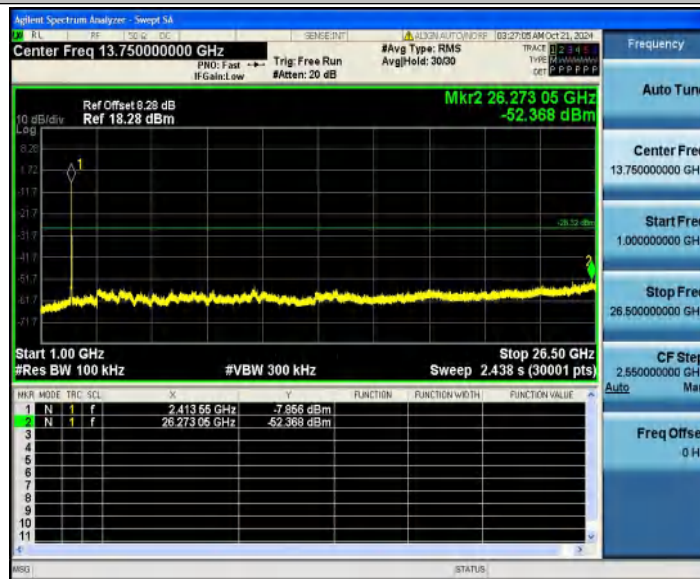
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



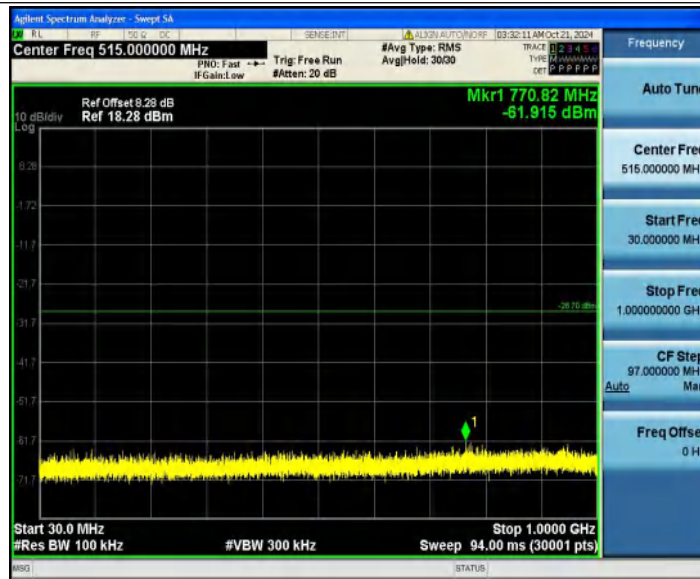
11N20SISO_Ant1_2412_1000~26500



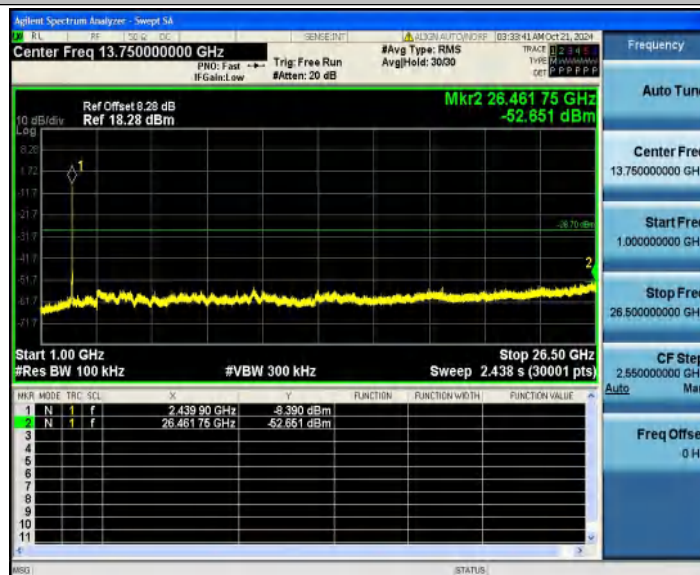
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



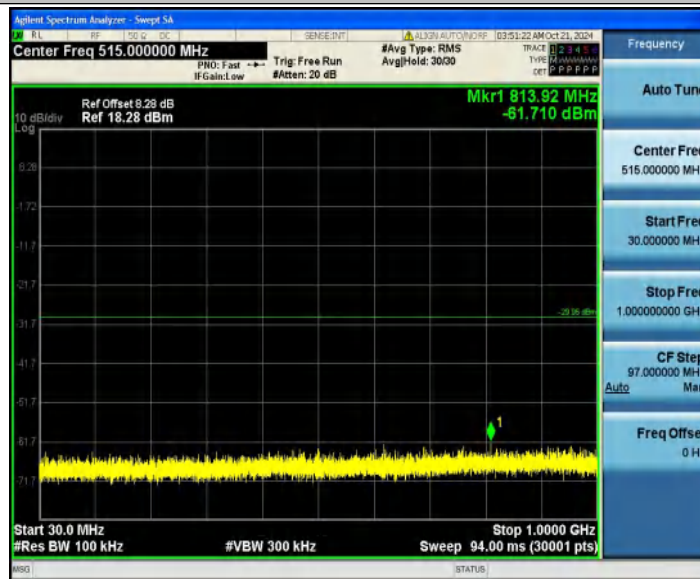
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



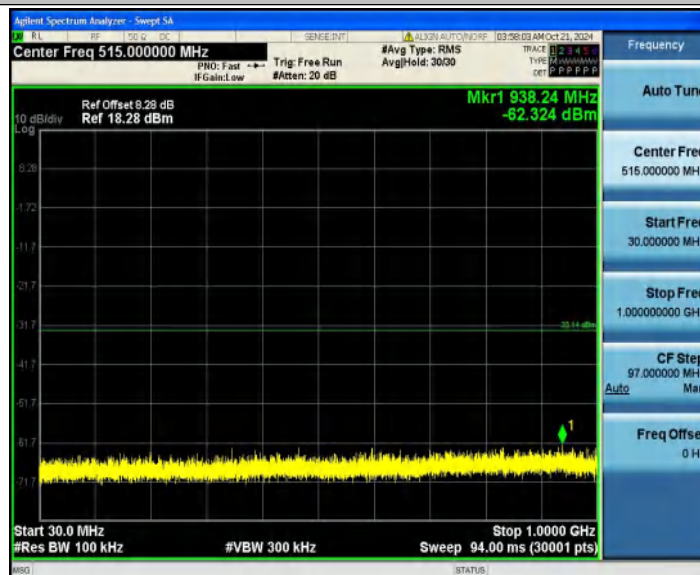
11N20SISO_Ant1_2462_1000~26500



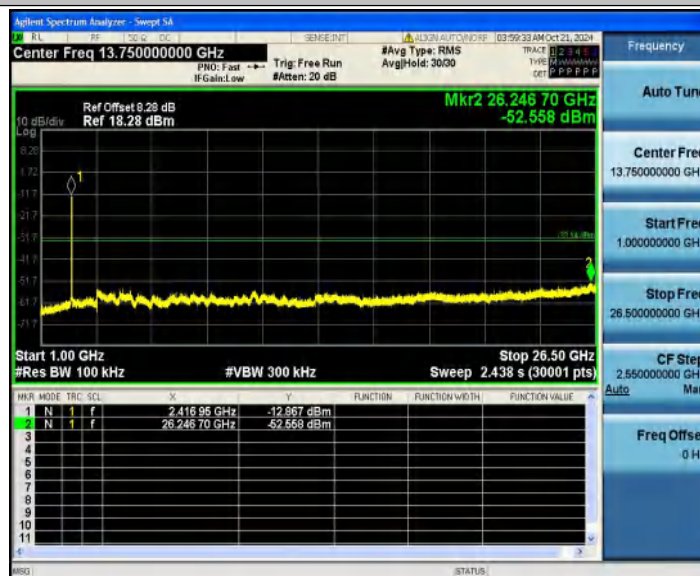
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



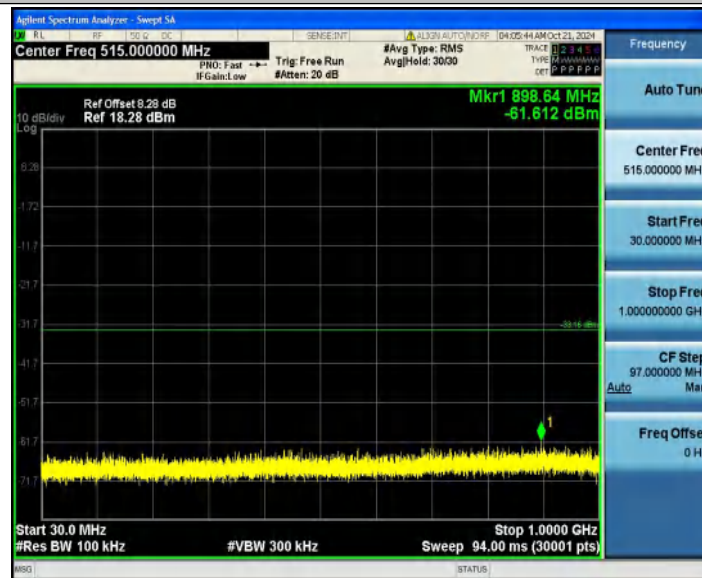
11N40SISO_Ant1_2422_1000~26500



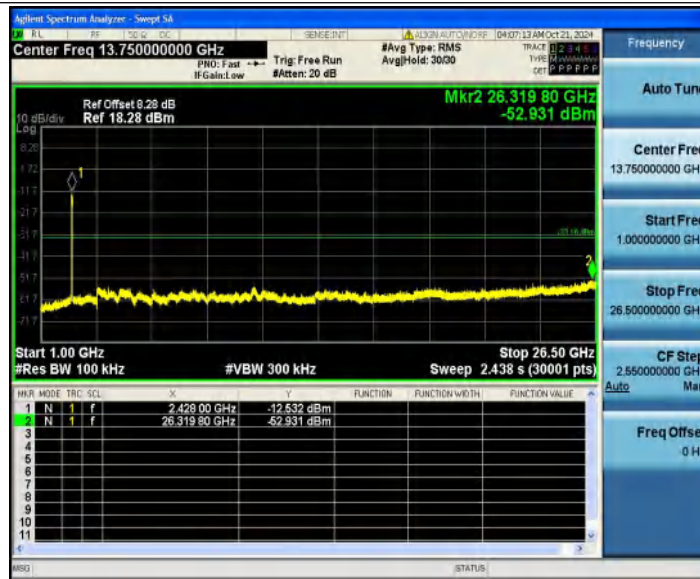
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



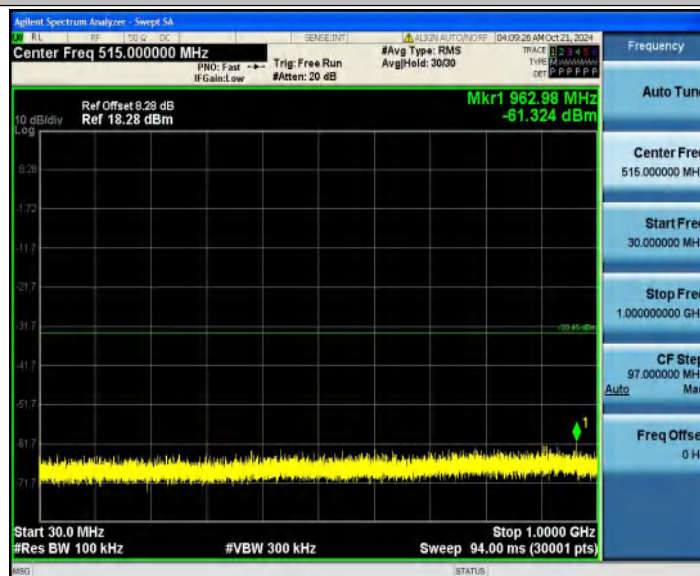
11N40SISO_Ant1_2437_1000~26500

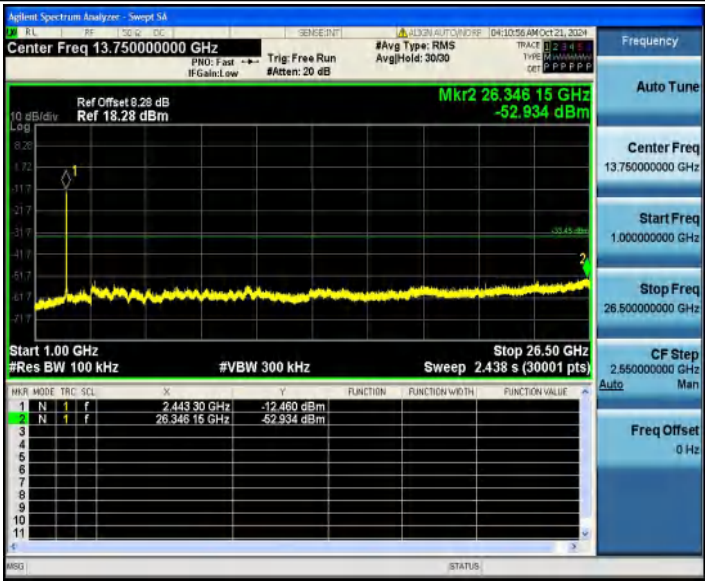


11N40ISO_Ant1_2452_0~Reference



11N40ISO_Ant1_2452_30~1000





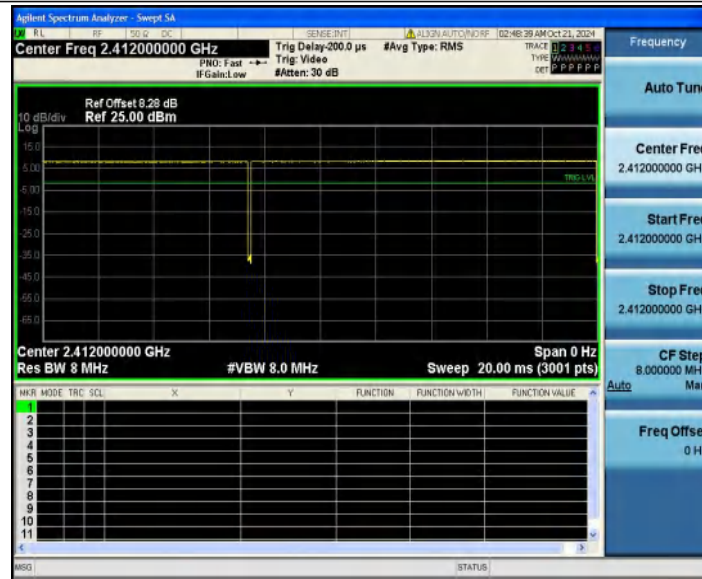
Appendix G: Duty Cycle

Test Result

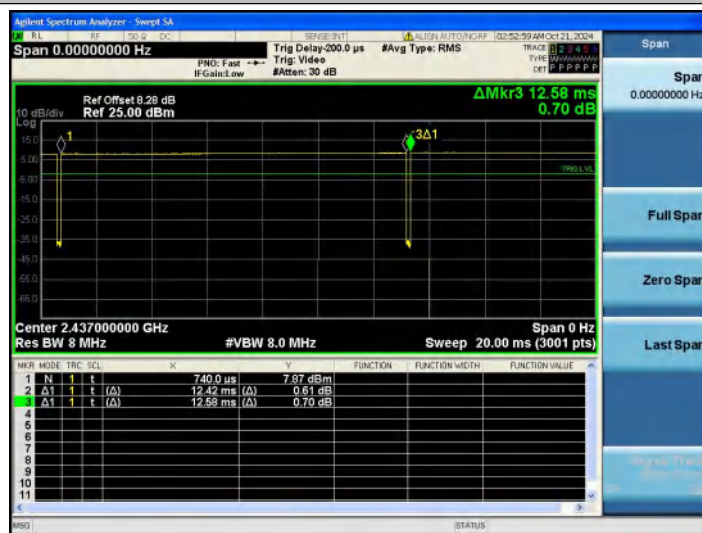
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	20.00	20.00	100.00	---	PASS
		2437	12.42	12.58	98.73	---	PASS
		2462	20.00	20.00	100.00	---	PASS
11G	Ant1	2412	2.07	2.19	94.52	---	PASS
		2437	2.06	2.13	96.71	---	PASS
		2462	2.06	2.13	96.71	---	PASS
11N20SISO	Ant1	2412	1.93	2.07	93.24	---	PASS
		2437	1.92	2.00	96.00	---	PASS
		2462	1.92	2.08	92.31	---	PASS
11N40SISO	Ant1	2422	0.13	0.99	13.13	---	PASS
		2437	0.51	1.06	48.11	---	PASS
		2452	0.13	0.38	34.21	---	PASS

Test Graphs

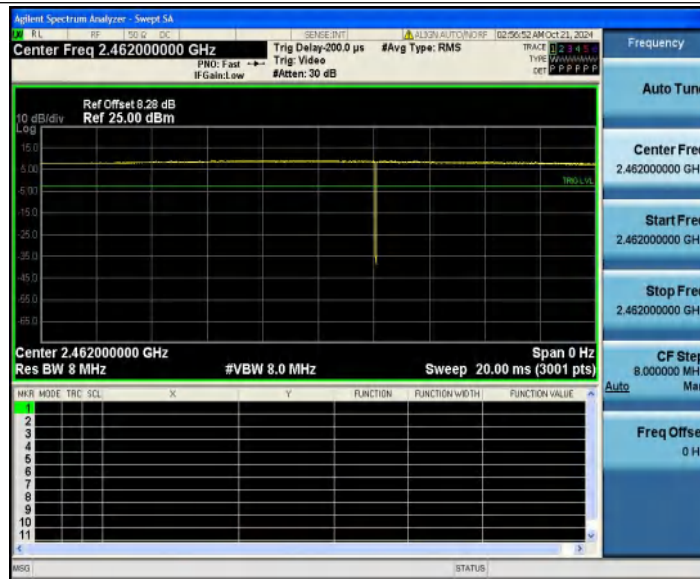
11B_Ant1_2412



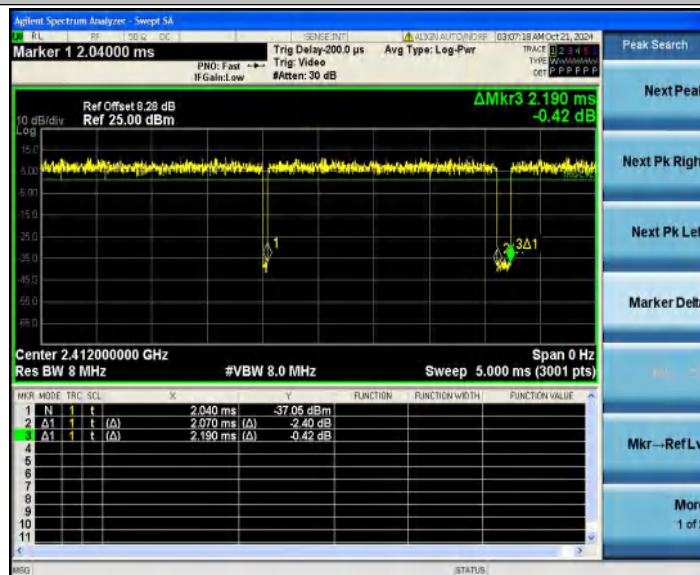
11B_Ant1_2437



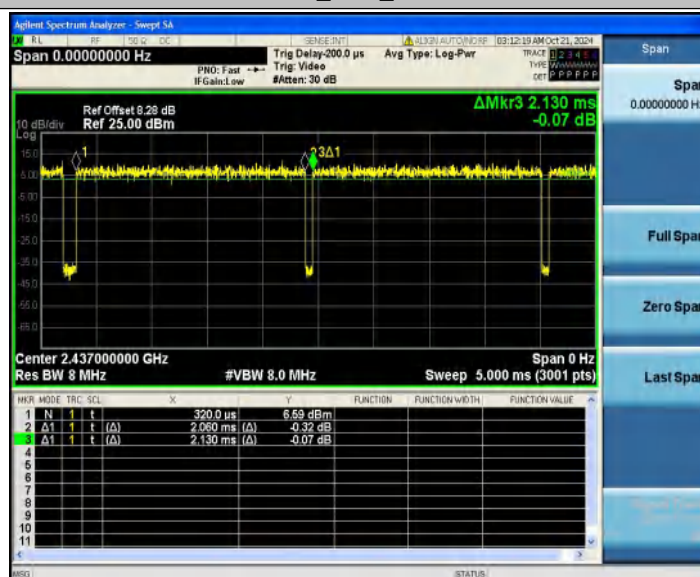
11B_Ant1_2462



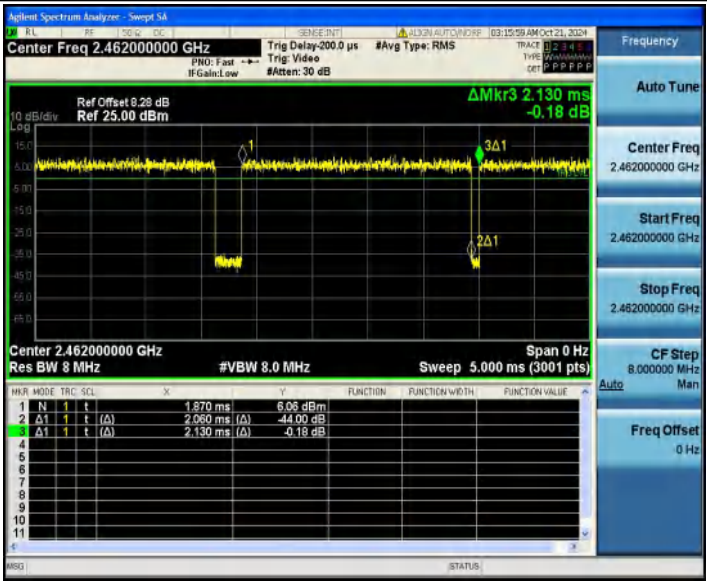
11G_Ant1_2412



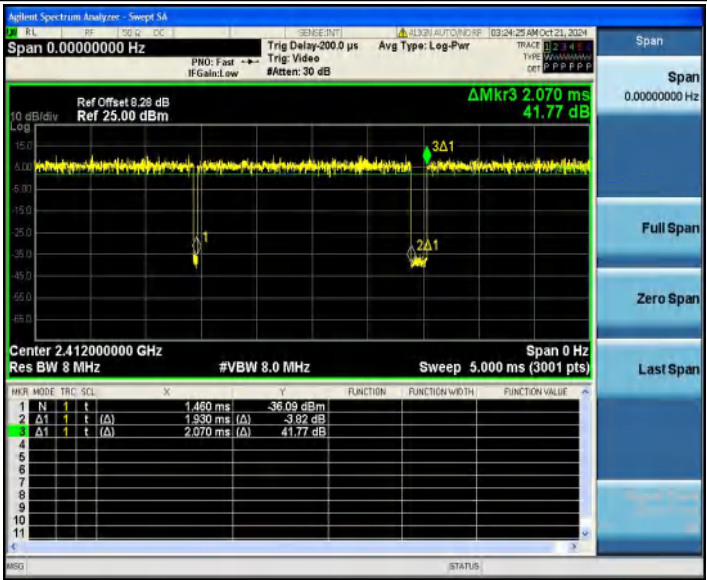
11G_Ant1_2437



11G_Ant1_2462



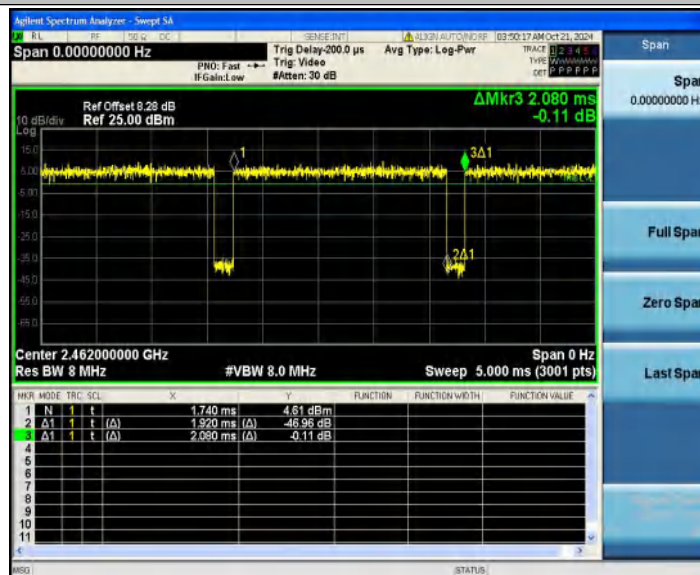
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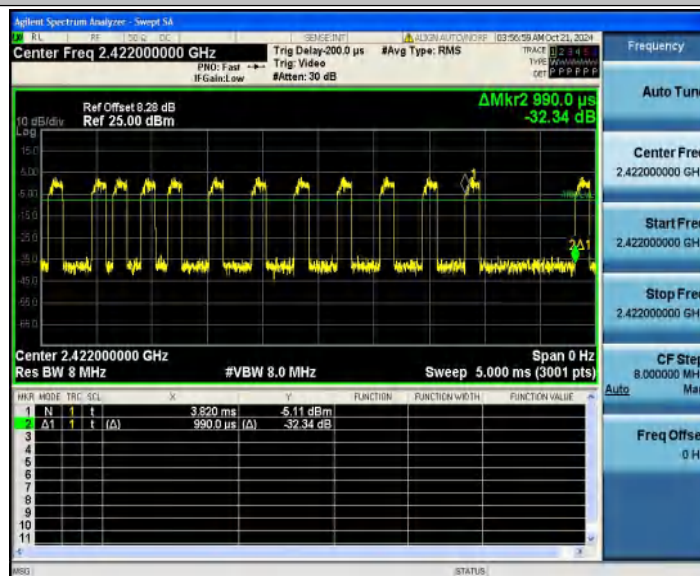
11N20SISO_Ant1_2437



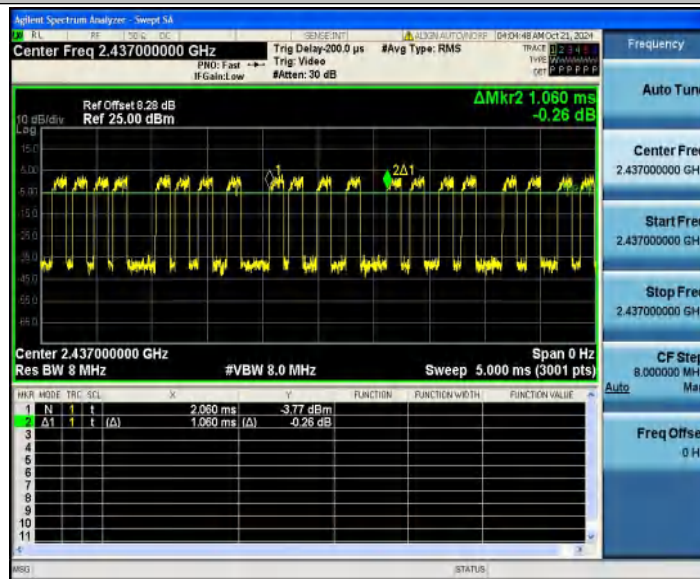
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

