

Applicant: Shenzhen Mengdou Intelligent Technology Co., Ltd.

Report No. : NCT260261429XE1-2

EUT: Translator/Translator Pen

M/N: M01

Standard:FCC Part15 Subpart C, Section 15.247

Test Power Supply: DC 3.7V

Ambient Condition: 25 °C, 45 %RH, 101.325 kPa

Test Date: 2026-06-24

Test Engineer: Shine Wu

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.280	2406.840	2417.120	0.5	PASS
		2437	10.280	2431.840	2442.120	0.5	PASS
		2462	10.280	2456.840	2467.120	0.5	PASS
11G	Ant1	2412	16.440	2403.760	2420.200	0.5	PASS
		2437	16.440	2428.760	2445.200	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.600	2428.160	2445.760	0.5	PASS
		2462	17.640	2453.160	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.240	2418.840	2455.080	0.5	PASS
		2452	36.320	2433.840	2470.160	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	15.115	2404.4324	2419.5474	---	---
		2437	15.160	2429.4096	2444.5696	---	---
		2462	15.080	2454.4342	2469.5142	---	---
11G	Ant1	2412	17.133	2403.4195	2420.5525	---	---
		2437	17.121	2428.4368	2445.5578	---	---
		2462	17.113	2453.4188	2470.5318	---	---
11N20SISO	Ant1	2412	18.021	2402.9552	2420.9762	---	---
		2437	18.064	2427.9626	2446.0266	---	---
		2462	18.046	2452.9743	2471.0203	---	---
11N40SISO	Ant1	2422	36.510	2403.7402	2440.2502	---	---
		2437	36.675	2418.6948	2455.3698	---	---
		2452	36.621	2433.7226	2470.3436	---	---

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



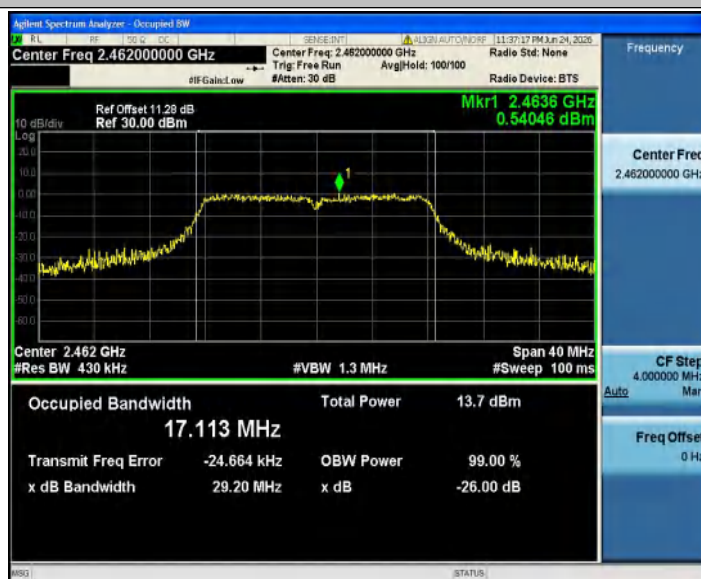
11G_Ant1_2412



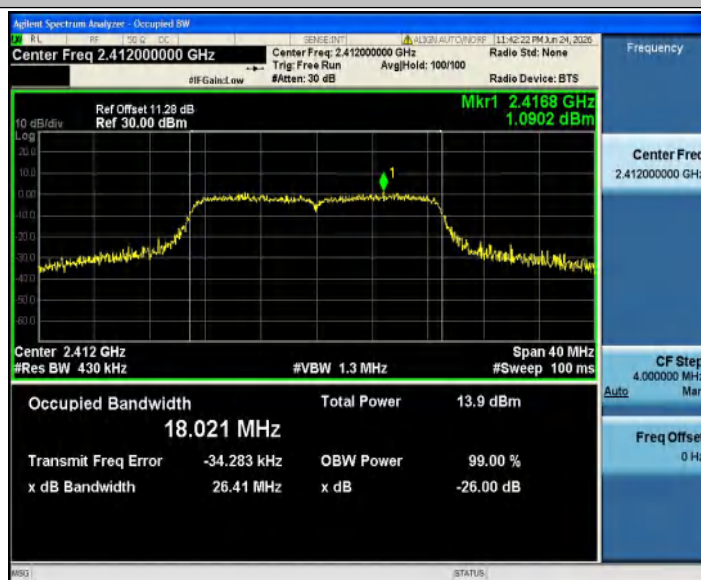
11G_Ant1_2437



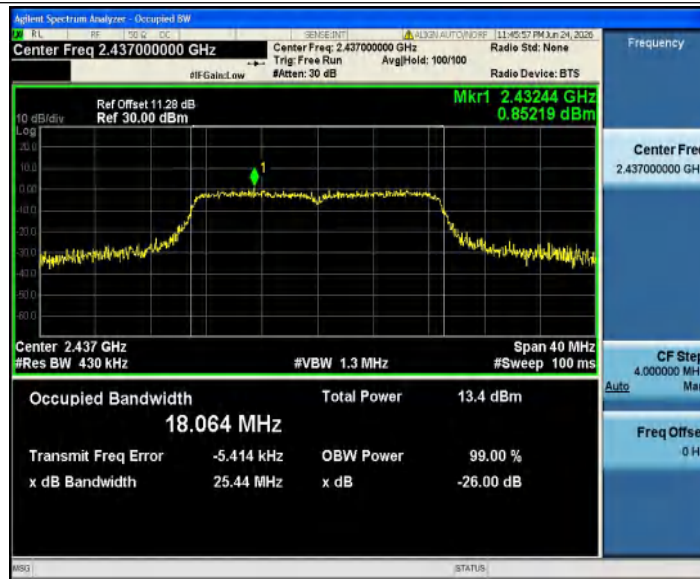
11G_Ant1_2462



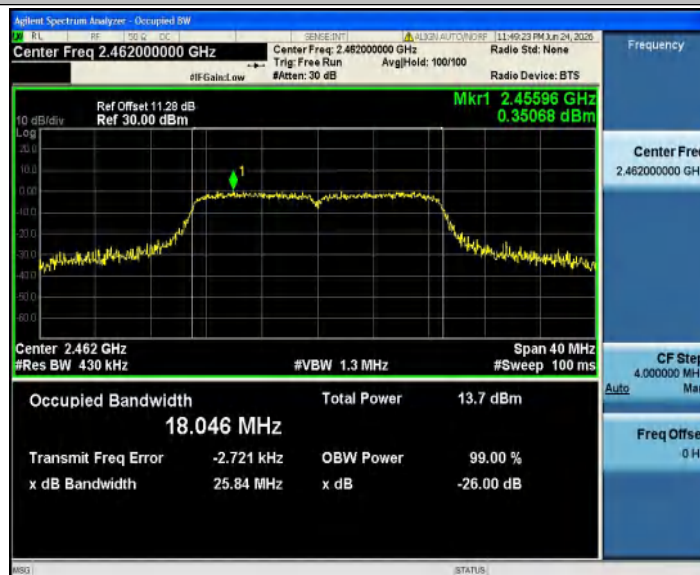
11N20SISO_Ant1_2412



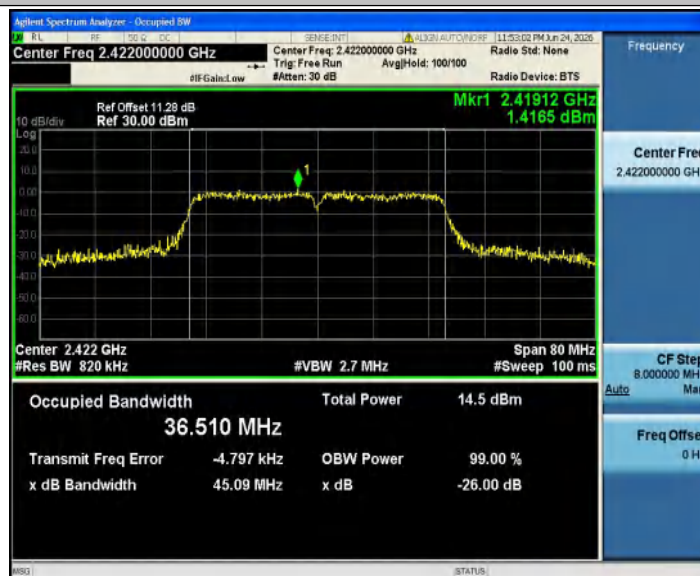
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

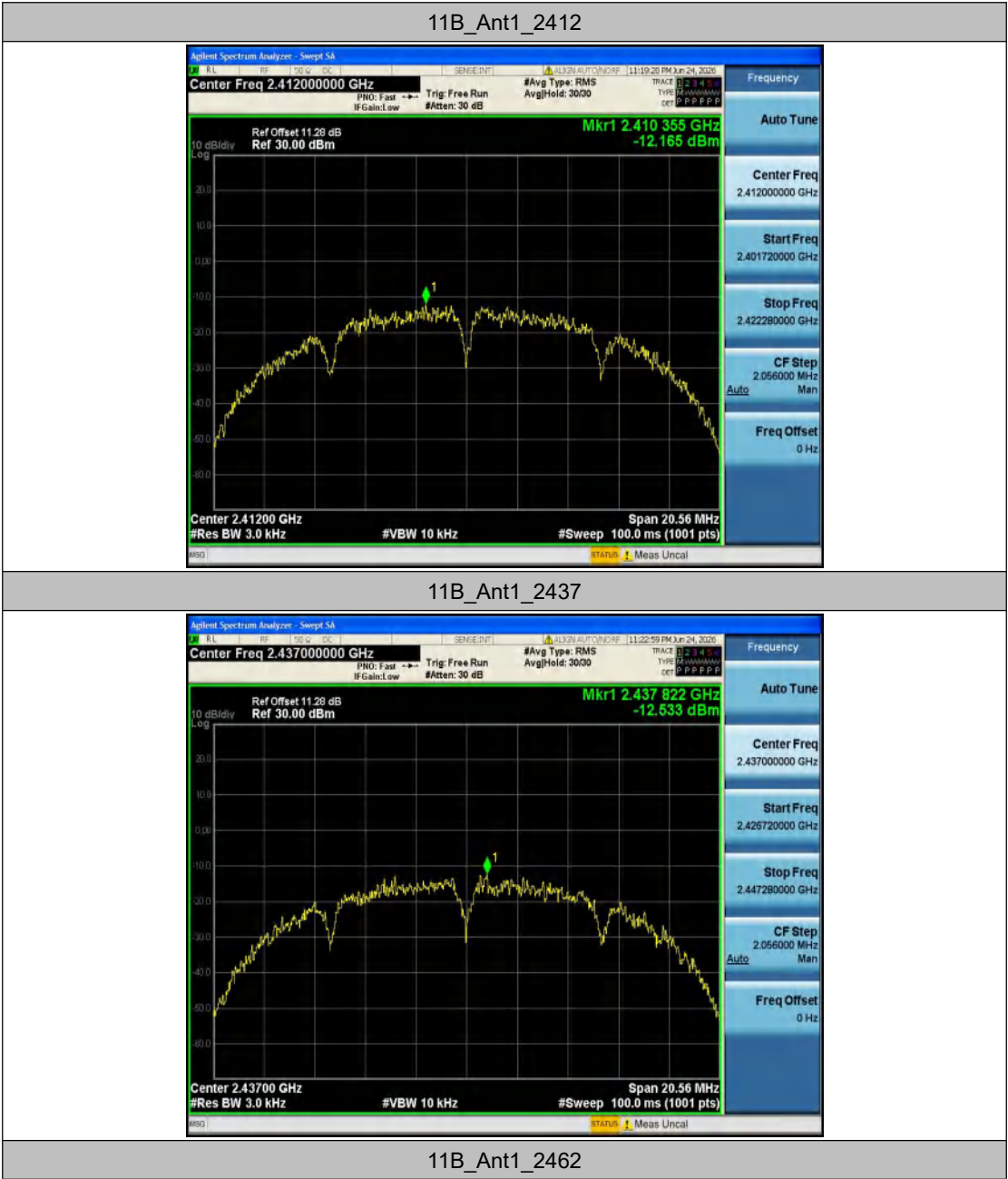
TestMode	Antenna	Channel	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	7.56	≤30.00	PASS
		2437	7.94	≤30.00	PASS
		2462	8.07	≤30.00	PASS
11G	Ant1	2412	8.54	≤30.00	PASS
		2437	8.51	≤30.00	PASS
		2462	8.44	≤30.00	PASS
11N20SISO	Ant1	2412	8.08	≤30.00	PASS
		2437	8.15	≤30.00	PASS
		2462	8.43	≤30.00	PASS
11N40SISO	Ant1	2422	7.99	≤30.00	PASS
		2437	7.45	≤30.00	PASS
		2452	7.85	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

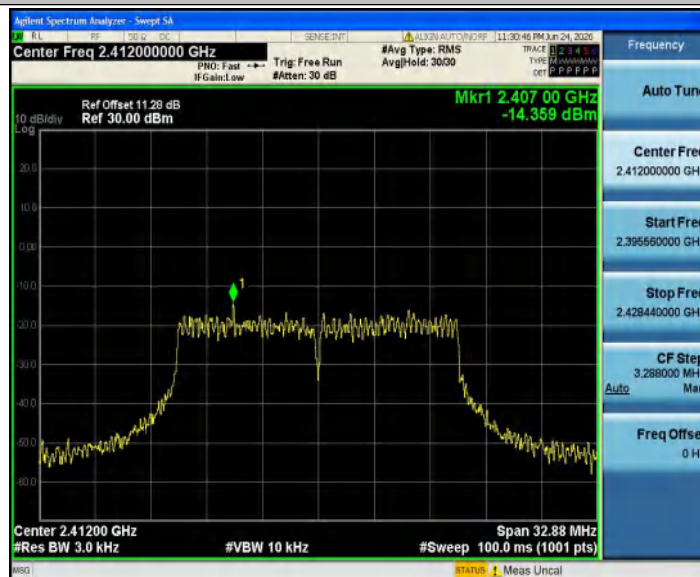
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.17	≤8.00	PASS
		2437	-12.53	≤8.00	PASS
		2462	-11.54	≤8.00	PASS
11G	Ant1	2412	-14.36	≤8.00	PASS
		2437	-15.87	≤8.00	PASS
		2462	-15.89	≤8.00	PASS
11N20SISO	Ant1	2412	-15.62	≤8.00	PASS
		2437	-16.11	≤8.00	PASS
		2462	-14.23	≤8.00	PASS
11N40SISO	Ant1	2422	-19.41	≤8.00	PASS
		2437	-19.76	≤8.00	PASS
		2452	-18.68	≤8.00	PASS

Test Graphs

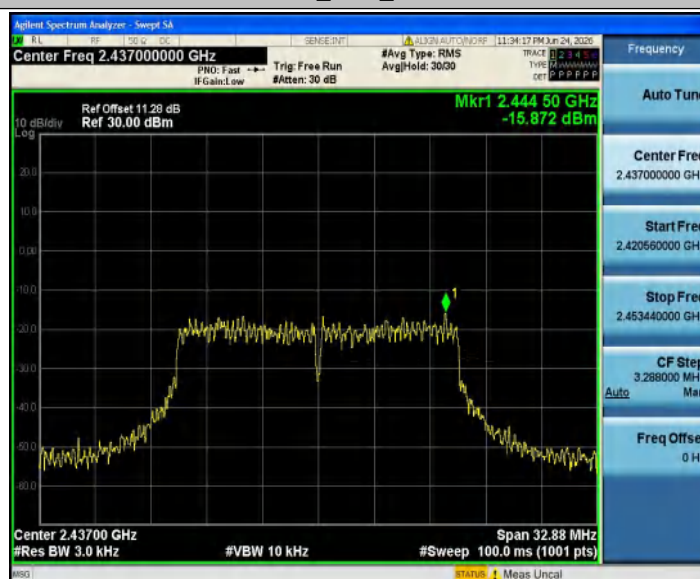




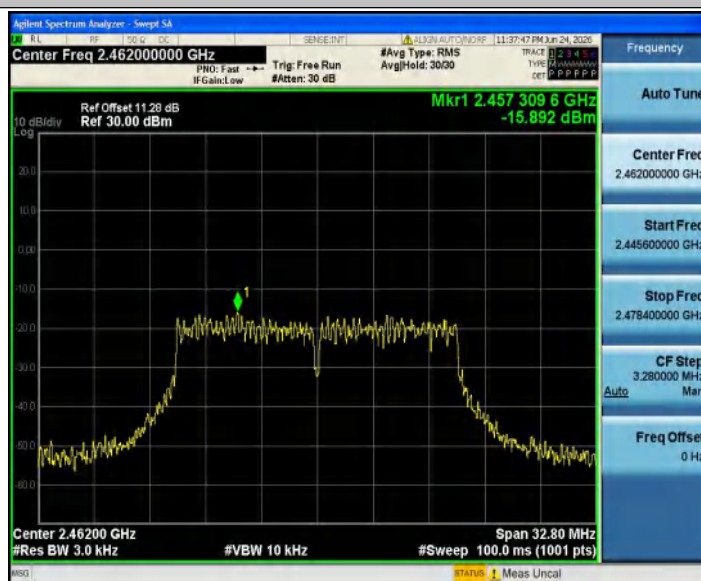
11G_Ant1_2412



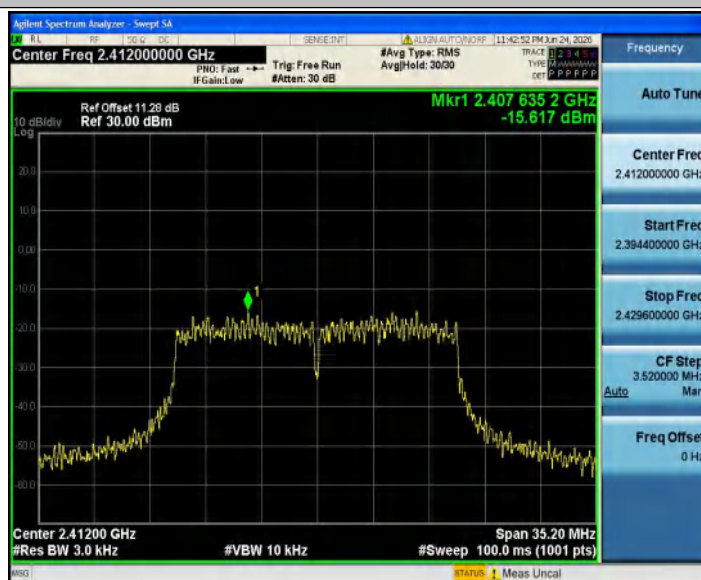
11G_Ant1_2437



11G_Ant1_2462



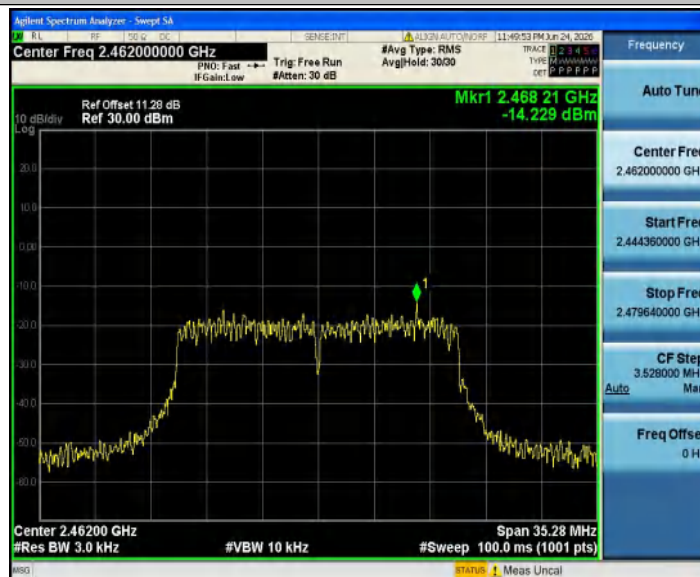
11N20SISO_Ant1_2412



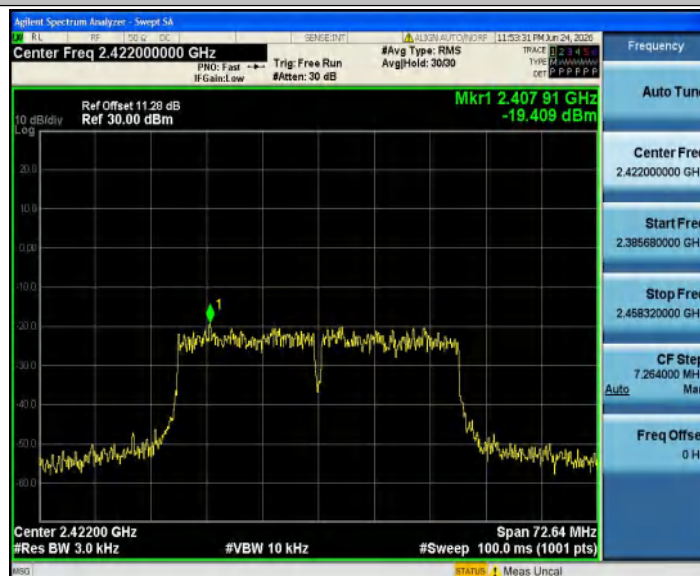
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



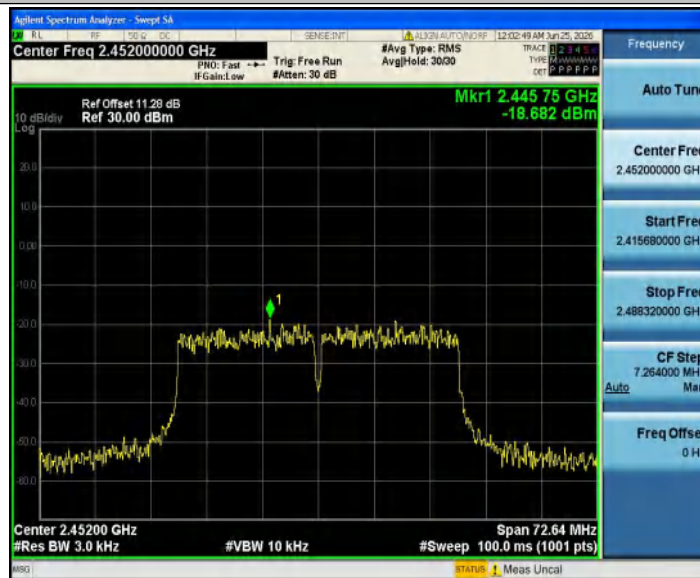
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



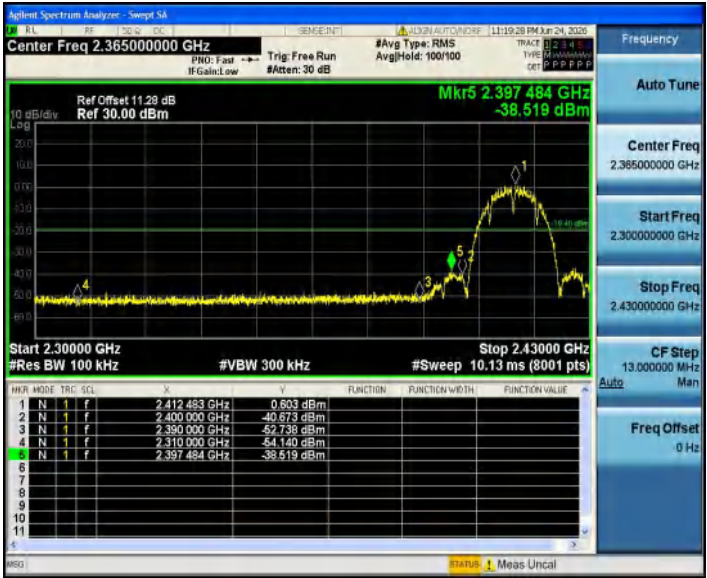
Appendix E: Band edge measurements

Test Result

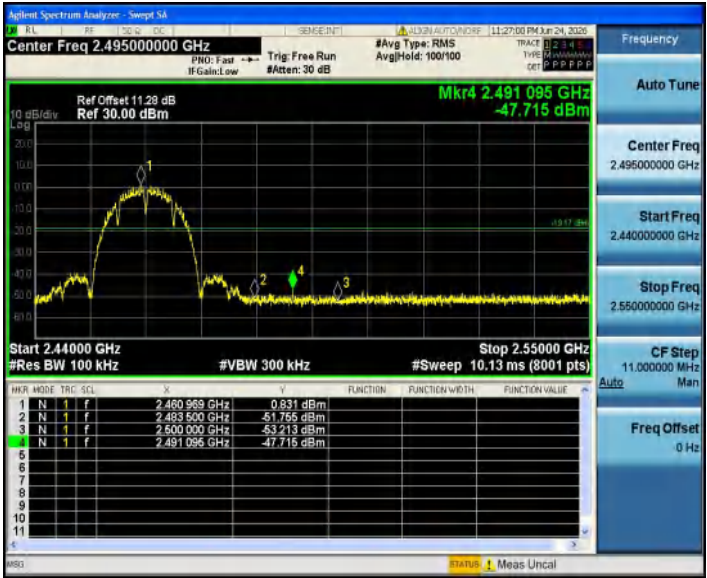
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.60	-38.52	≤-19.4	PASS
		High	2462	0.83	-47.72	≤-19.17	PASS
11G	Ant1	Low	2412	-2.89	-32.25	≤-22.89	PASS
		High	2462	-2.89	-43.36	≤-22.89	PASS
11N20SISO	Ant1	Low	2412	-2.58	-29.76	≤-22.58	PASS
		High	2462	-2.45	-42.78	≤-22.45	PASS
11N40SISO	Ant1	Low	2422	-5.23	-33.82	≤-25.23	PASS
		High	2452	-5.51	-35.5	≤-25.51	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

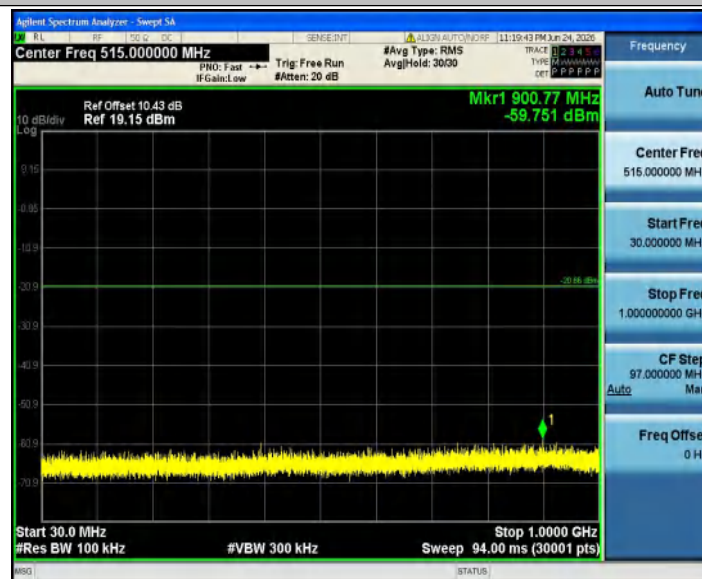
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.66	-0.66	---	PASS
			30~1000	-0.66	-59.75	≤-20.66	PASS
			1000~26500	-0.66	-39.23	≤-20.66	PASS
		2437	Reference	0.32	0.32	---	PASS
			30~1000	0.32	-60.11	≤-19.68	PASS
			1000~26500	0.32	-38.8	≤-19.68	PASS
		2462	Reference	0.27	0.27	---	PASS
			30~1000	0.27	-60.26	≤-19.73	PASS
			1000~26500	0.27	-38.67	≤-19.73	PASS
11G	Ant1	2412	Reference	-3.44	-3.44	---	PASS
			30~1000	-3.44	-60.29	≤-23.44	PASS
			1000~26500	-3.44	-38.7	≤-23.44	PASS
		2437	Reference	-3.17	-3.17	---	PASS
			30~1000	-3.17	-60.5	≤-23.17	PASS
			1000~26500	-3.17	-39.14	≤-23.17	PASS
		2462	Reference	-5.30	-5.30	---	PASS
			30~1000	-5.30	-60.23	≤-25.3	PASS
			1000~26500	-5.30	-38.93	≤-25.3	PASS
11N20SISO	Ant1	2412	Reference	-6.22	-6.22	---	PASS
			30~1000	-6.22	-60.39	≤-26.22	PASS
			1000~26500	-6.22	-38.24	≤-26.22	PASS
		2437	Reference	-5.66	-5.66	---	PASS
			30~1000	-5.66	-59.98	≤-25.66	PASS
			1000~26500	-5.66	-38.85	≤-25.66	PASS
		2462	Reference	-6.54	-6.54	---	PASS
			30~1000	-6.54	-59.89	≤-26.54	PASS
			1000~26500	-6.54	-39.1	≤-26.54	PASS
11N40SISO	Ant1	2422	Reference	-6.19	-6.19	---	PASS
			30~1000	-6.19	-60.45	≤-26.19	PASS
			1000~26500	-6.19	-38.85	≤-26.19	PASS
		2437	Reference	-6.97	-6.97	---	PASS
			30~1000	-6.97	-60.01	≤-26.97	PASS
			1000~26500	-6.97	-38.81	≤-26.97	PASS
		2452	Reference	-6.03	-6.03	---	PASS
			30~1000	-6.03	-58.94	≤-26.03	PASS
			1000~26500	-6.03	-38.37	≤-26.03	PASS

Test Graphs

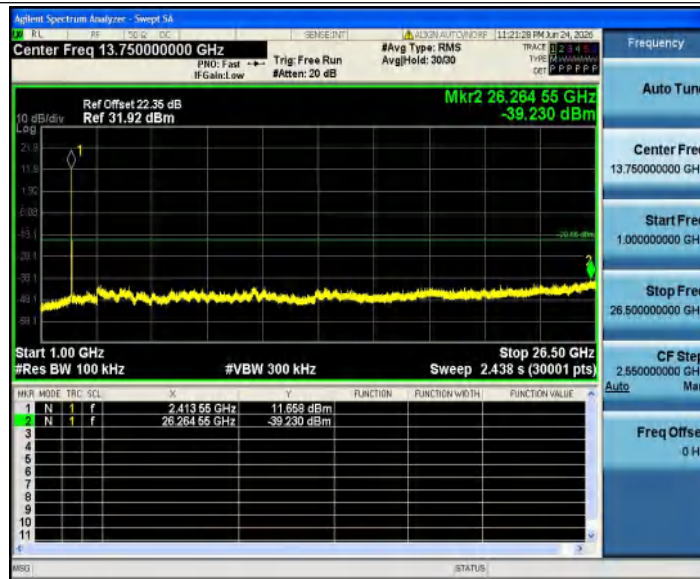
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



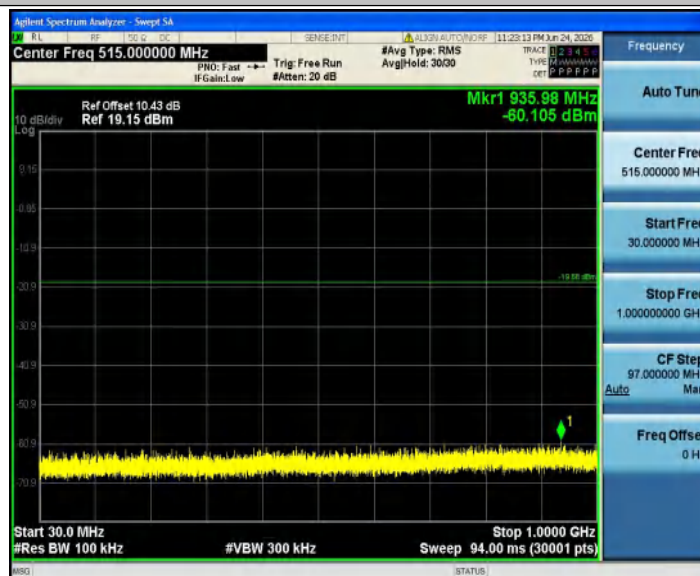
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



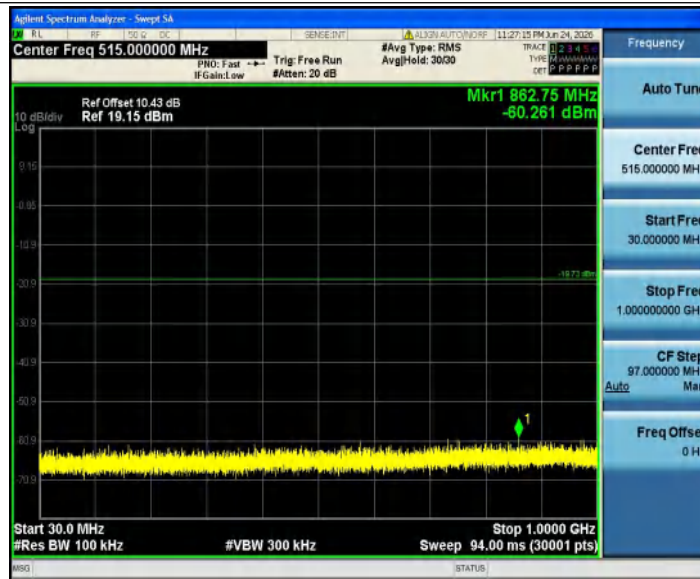
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



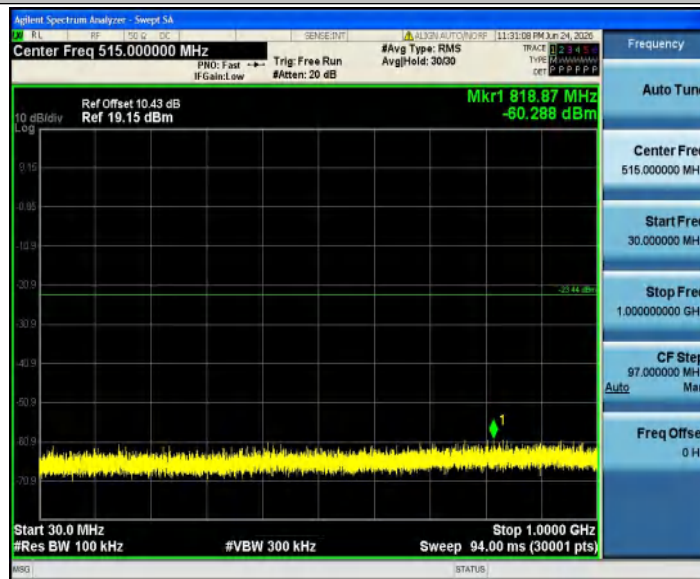
11B_Ant1_2462_1000~26500



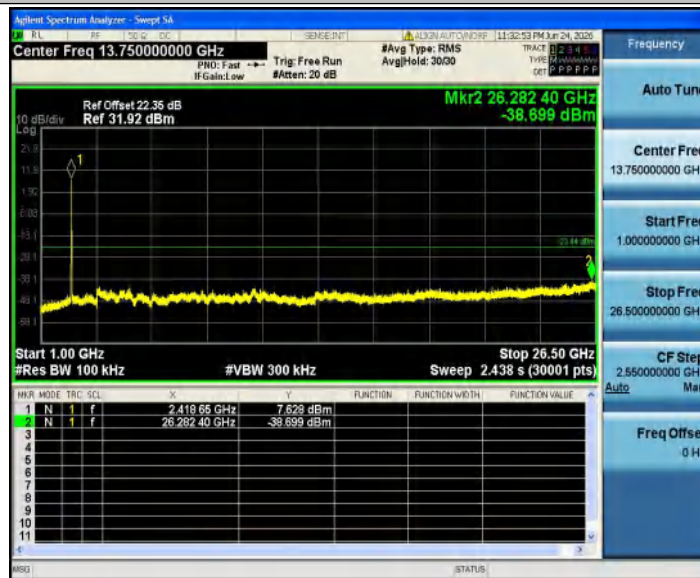
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



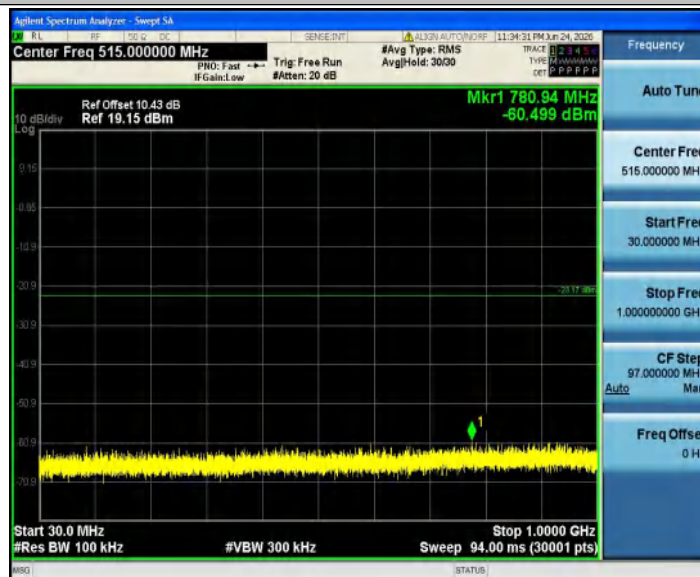
11G_Ant1_2412_1000~26500



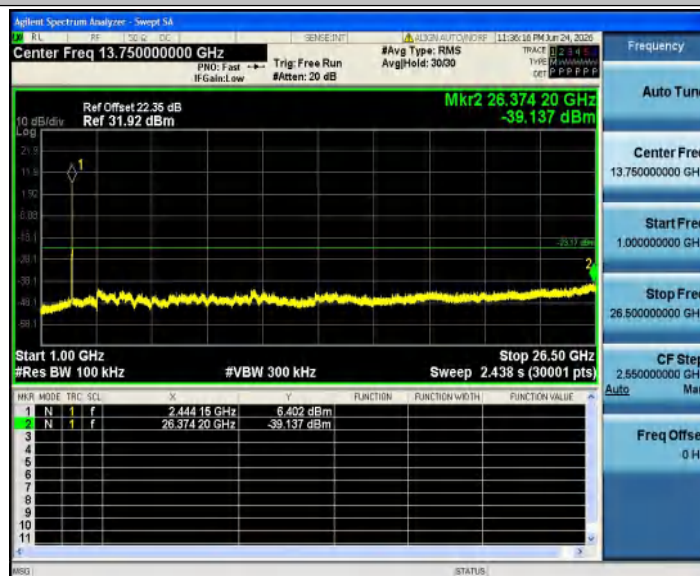
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



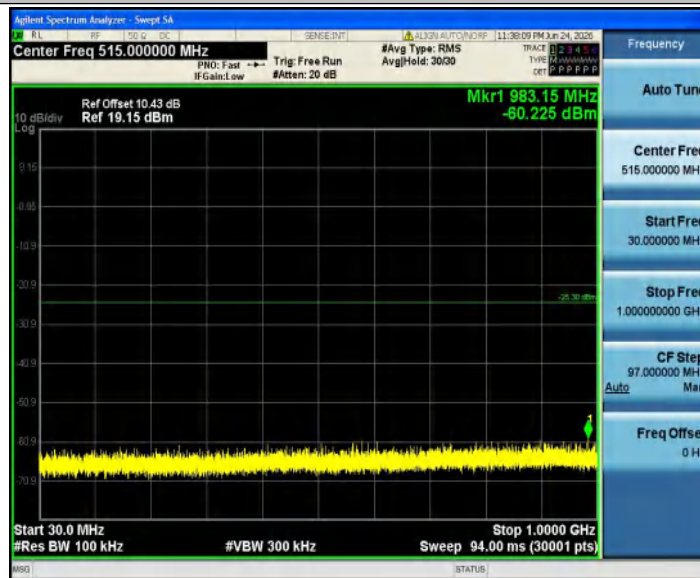
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



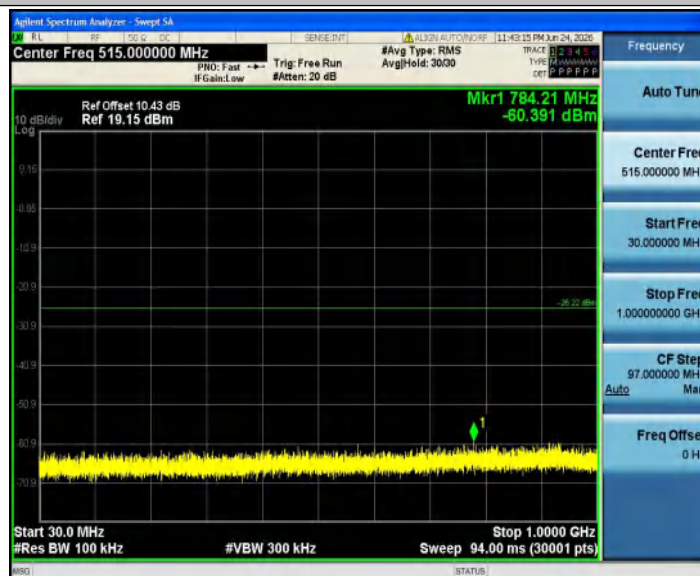
11G_Ant1_2462_1000~26500



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



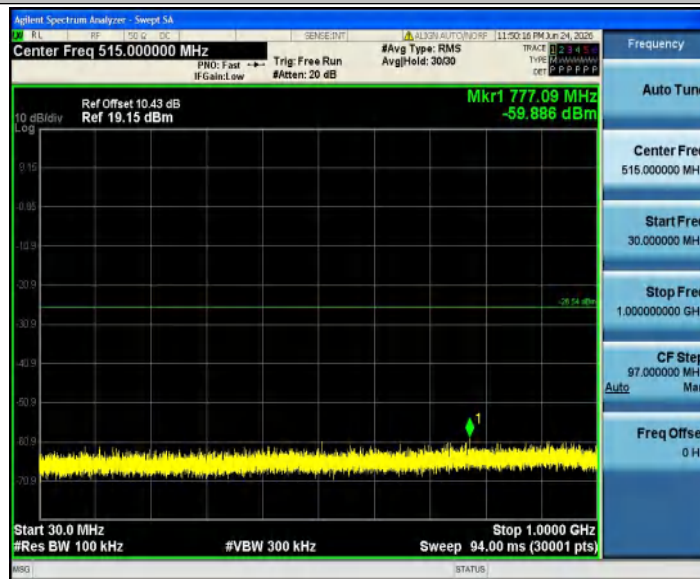
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



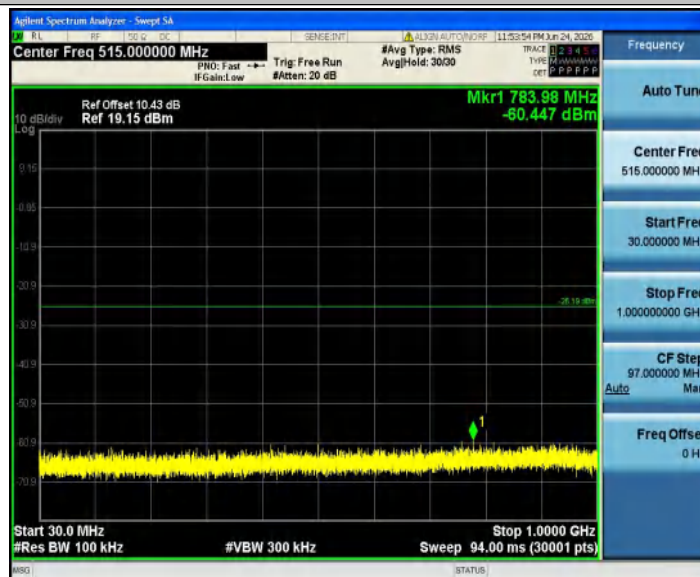
11N20SISO_Ant1_2462_1000~26500



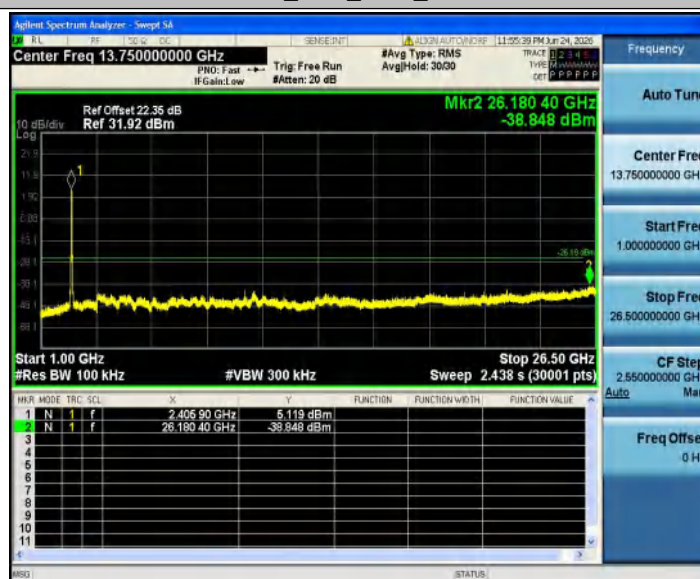
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



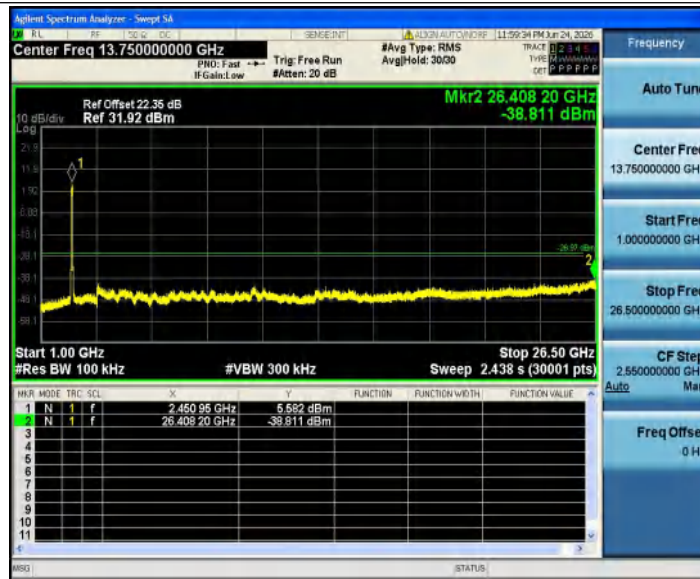
11N40SISO_Ant1_2437_0~Reference



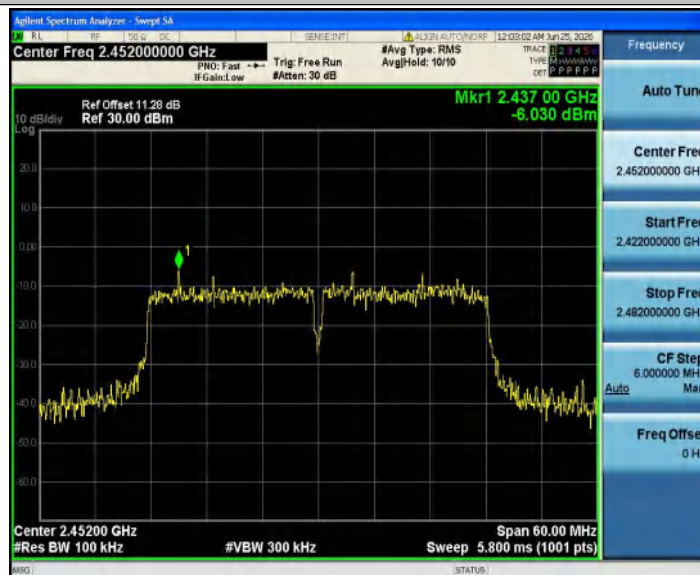
11N40SISO_Ant1_2437_30~1000



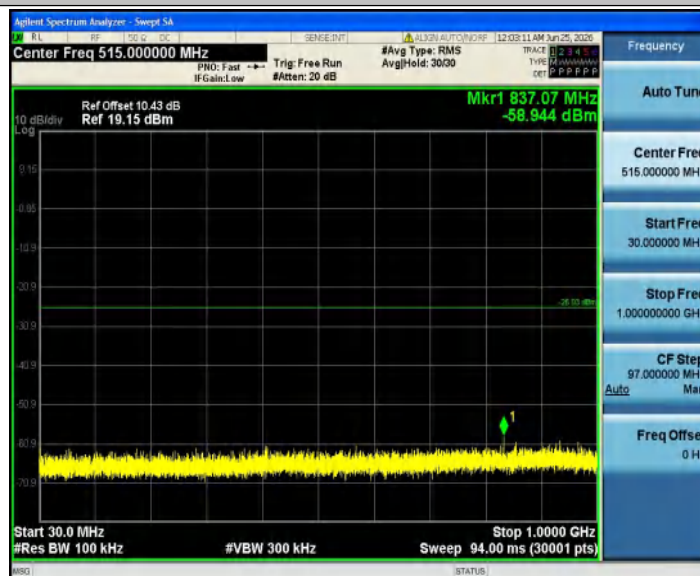
11N40SISO_Ant1_2437_1000~26500



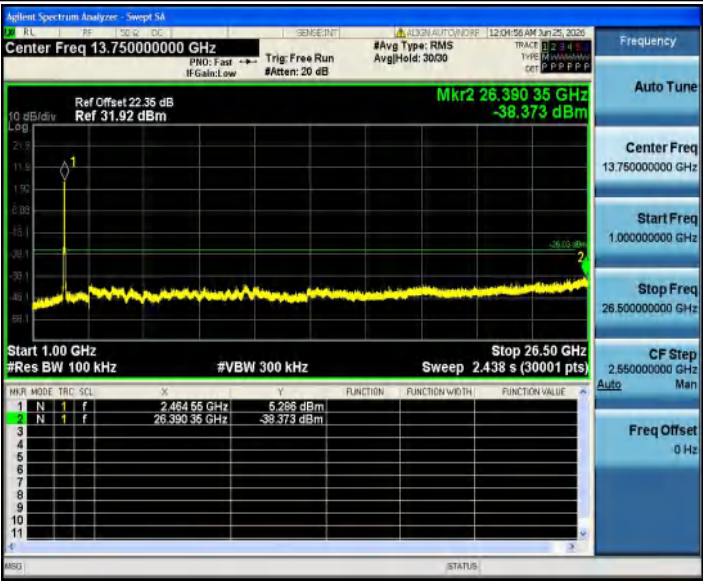
11N40ISO_Ant1_2452_0~Reference



11N40ISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

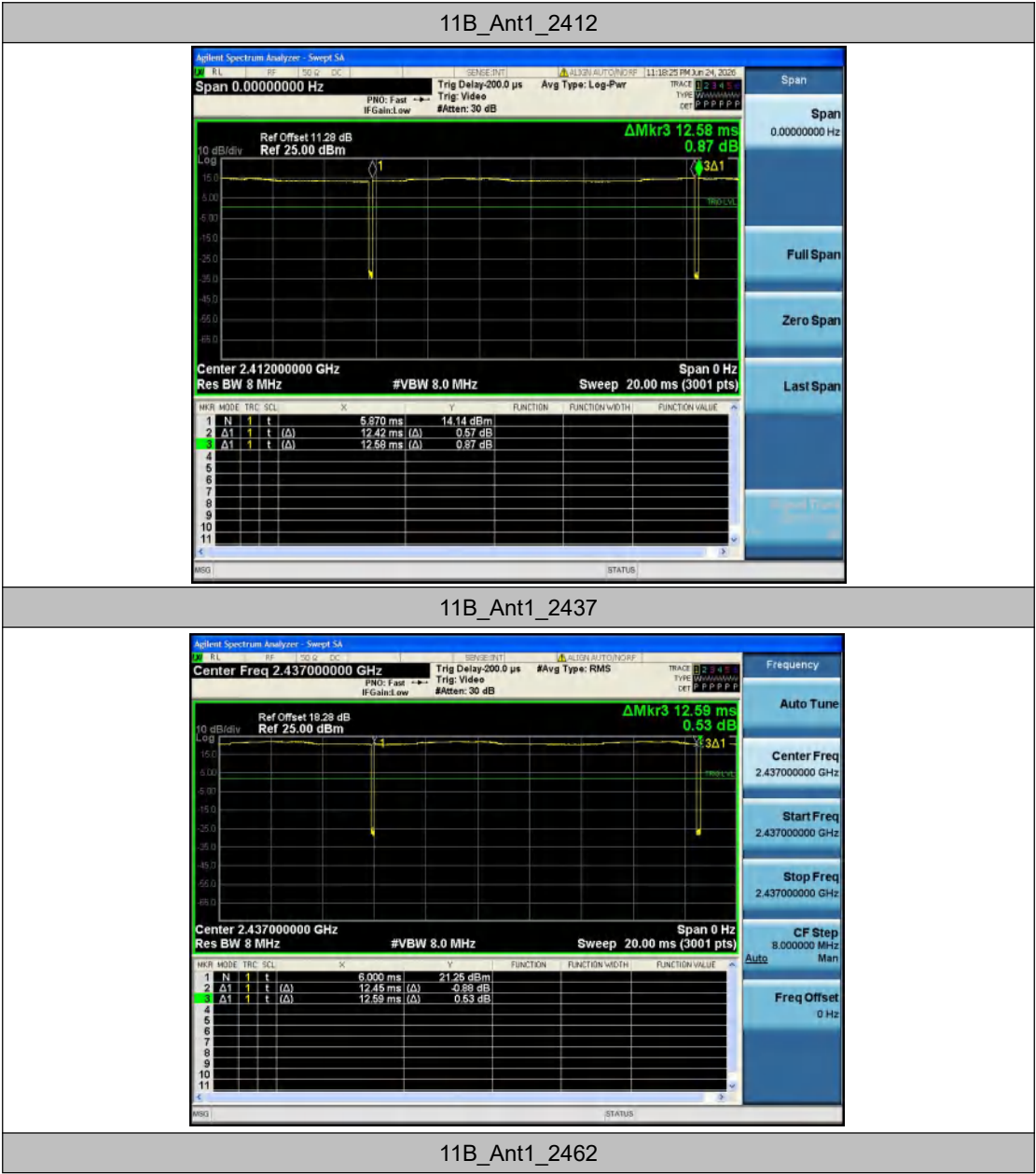


Appendix G: Duty Cycle

Test Result

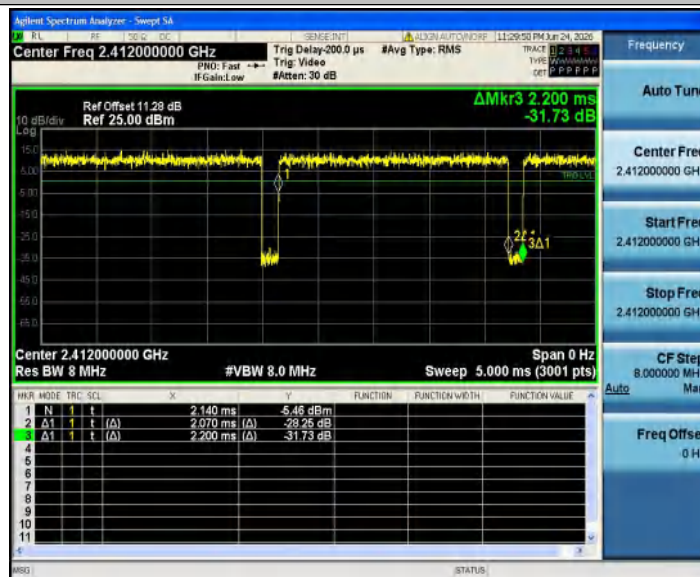
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	12.42	12.58	98.73	---	---
		2437	12.45	12.59	98.89	---	---
		2462	12.42	12.64	98.26	---	---
11G	Ant1	2412	2.07	2.20	94.09	---	---
		2437	2.07	2.19	94.52	---	---
		2462	2.06	2.22	92.79	---	---
11N20SISO	Ant1	2412	1.92	1.97	97.46	---	---
		2437	1.92	2.04	94.12	---	---
		2462	1.92	2.02	95.05	---	---
11N40SISO	Ant1	2422	0.64	0.68	94.12	---	---
		2437	0.65	0.68	95.59	---	---
		2452	0.64	0.68	94.12	---	---

Test Graphs

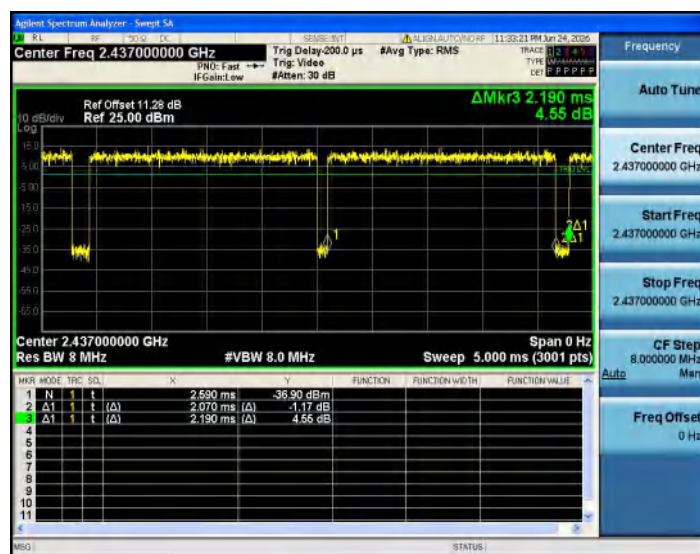




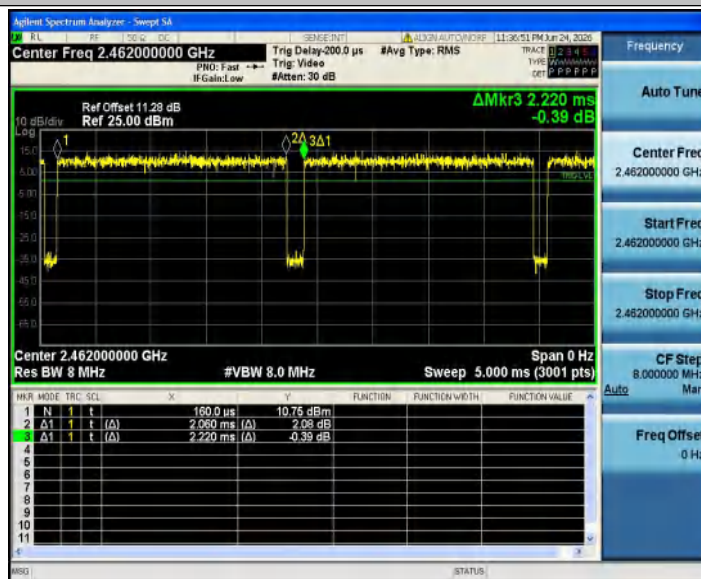
11G_Ant1_2412



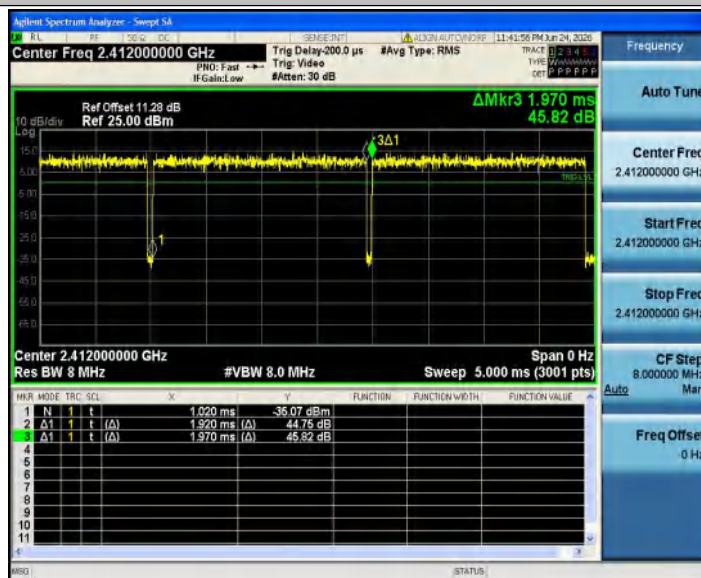
11G_Ant1_2437



11G_Ant1_2462



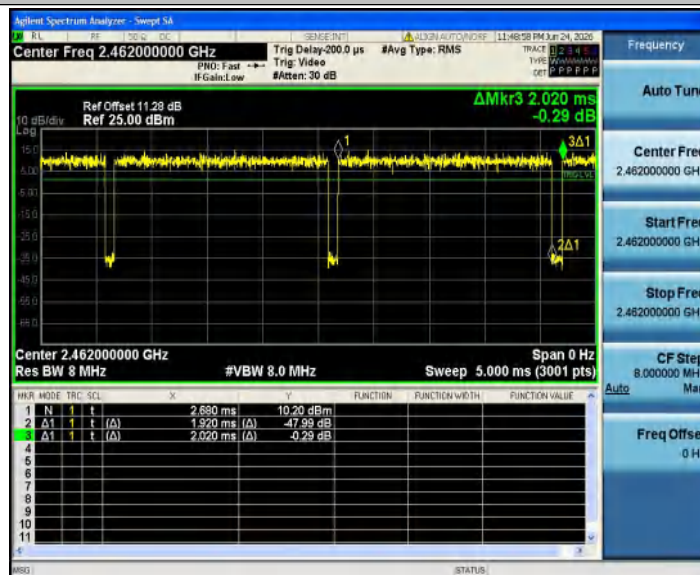
11N20SISO_Ant1_2412



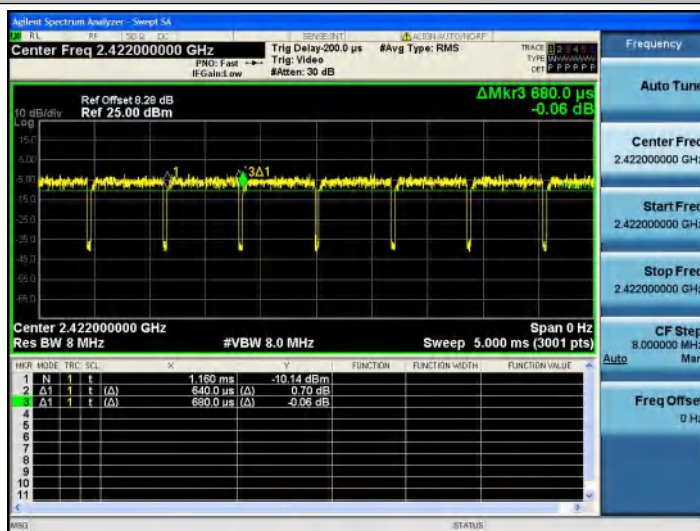
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437

