

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BMA5-TV6026

Company : Shenzhen TRIS VISION Technology Co., Ltd.

EUT : Surveillance Camera Kit IP Camera

Model Number : TV-6026

Report No. : CTA26062301001

Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.240	2406.920	2417.160	0.5	PASS
		2437	10.200	2431.920	2442.120	0.5	PASS
		2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	15.800	2404.040	2419.840	0.5	PASS
		2437	16.120	2428.880	2445.000	0.5	PASS
		2462	15.800	2454.040	2469.840	0.5	PASS
11N20SISO	Ant1	2412	15.480	2404.400	2419.880	0.5	PASS
		2437	15.960	2429.200	2445.160	0.5	PASS
		2462	16.920	2453.680	2470.600	0.5	PASS

Test Graphs

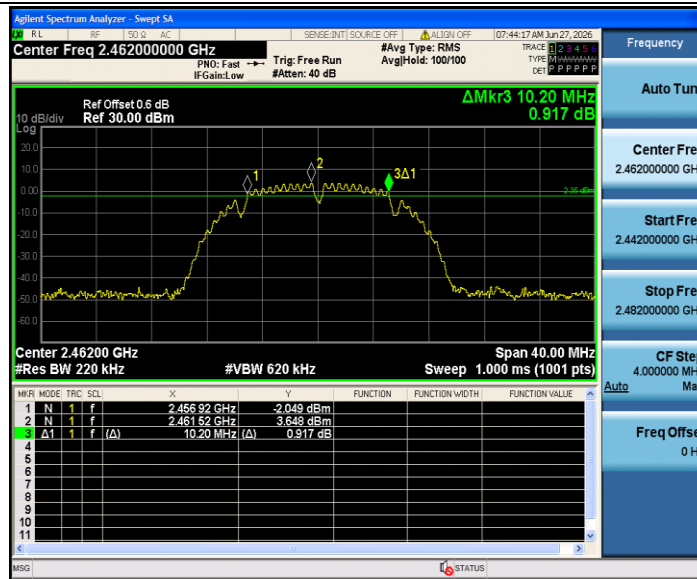
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

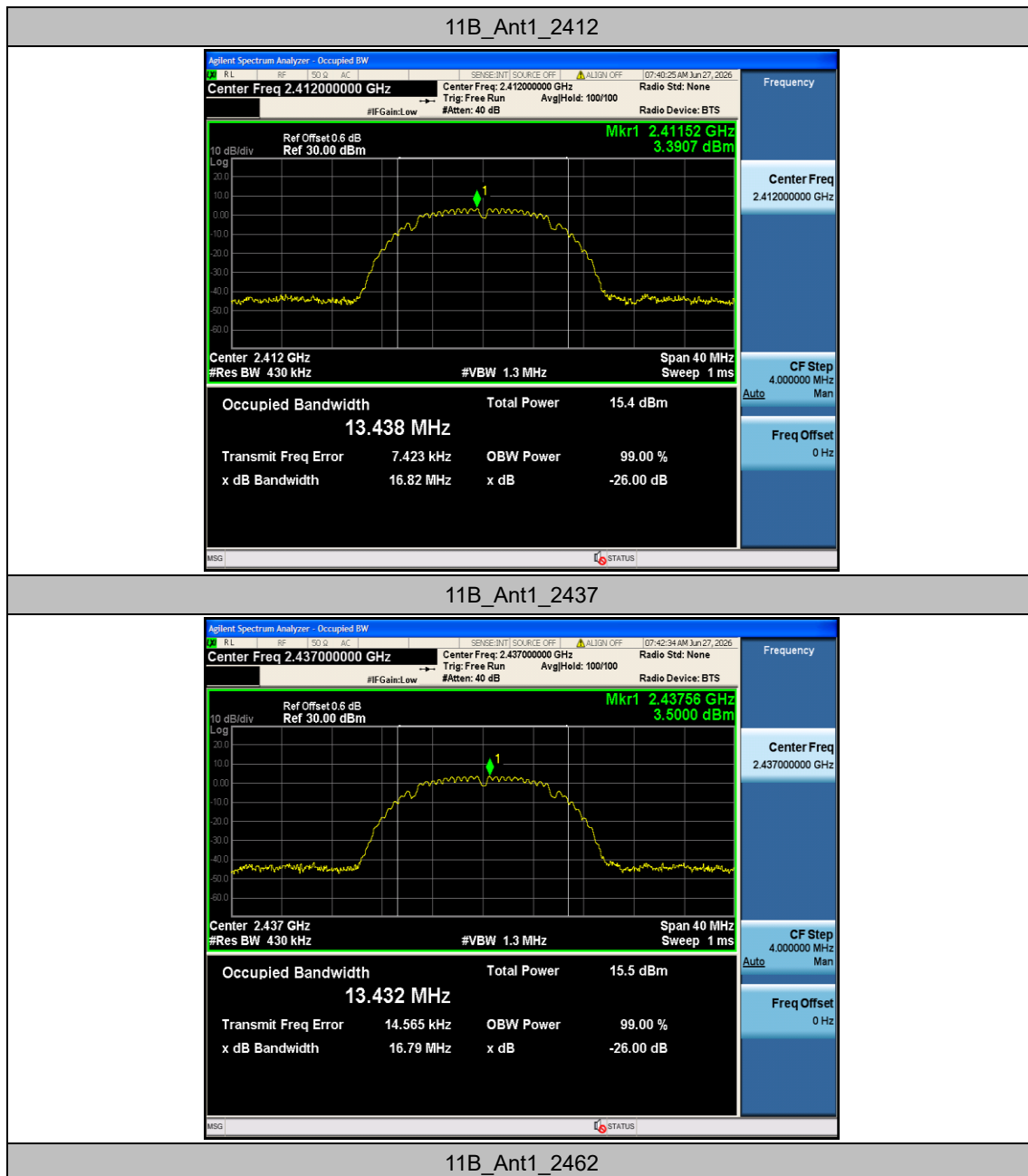


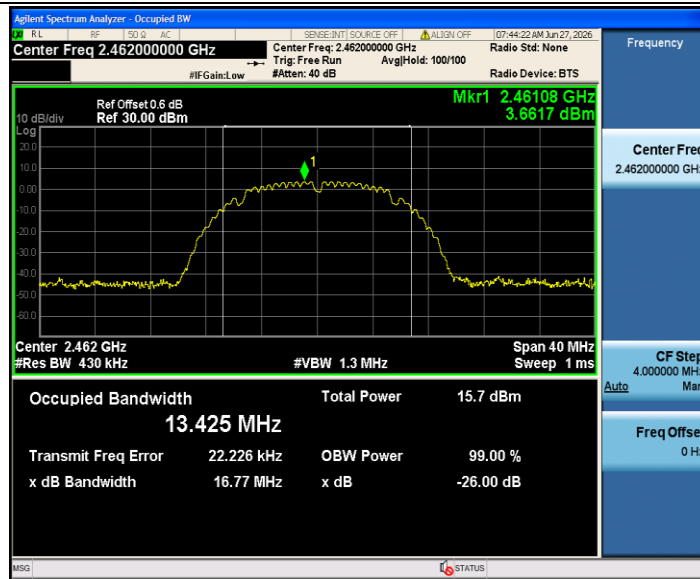
Appendix B: Occupied Channel Bandwidth

Test Result

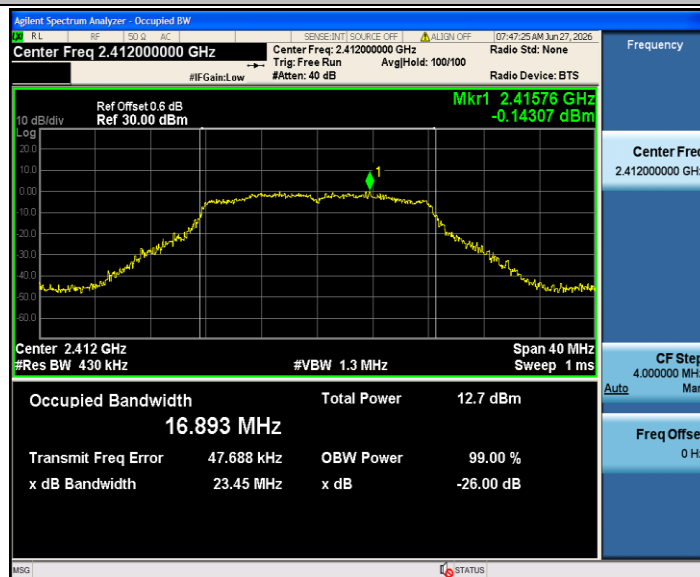
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.438	2405.2884	2418.7264	---	---
		2437	13.432	2430.2986	2443.7306	---	---
		2462	13.425	2455.3097	2468.7347	---	---
11G	Ant1	2412	16.893	2403.6012	2420.4942	---	---
		2437	16.909	2428.5962	2445.5052	---	---
		2462	16.827	2453.6703	2470.4973	---	---
11N20SISO	Ant1	2412	17.923	2403.0682	2420.9912	---	---
		2437	17.863	2428.0898	2445.9528	---	---
		2462	17.922	2453.0778	2470.9998	---	---

Test Graphs

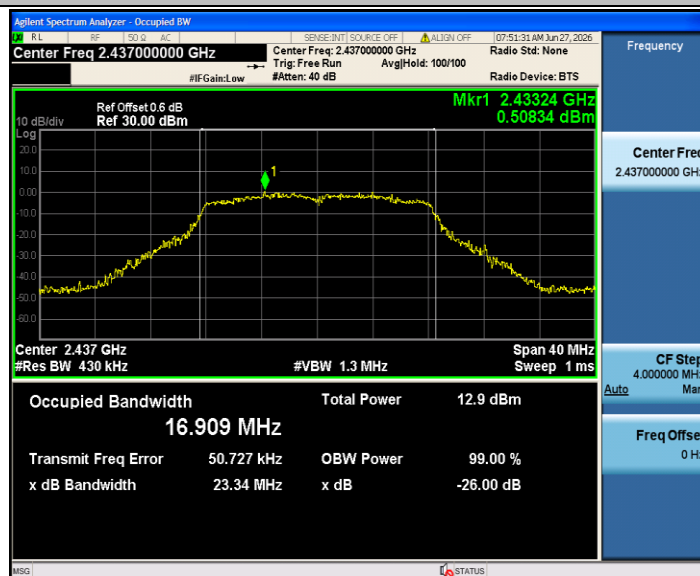




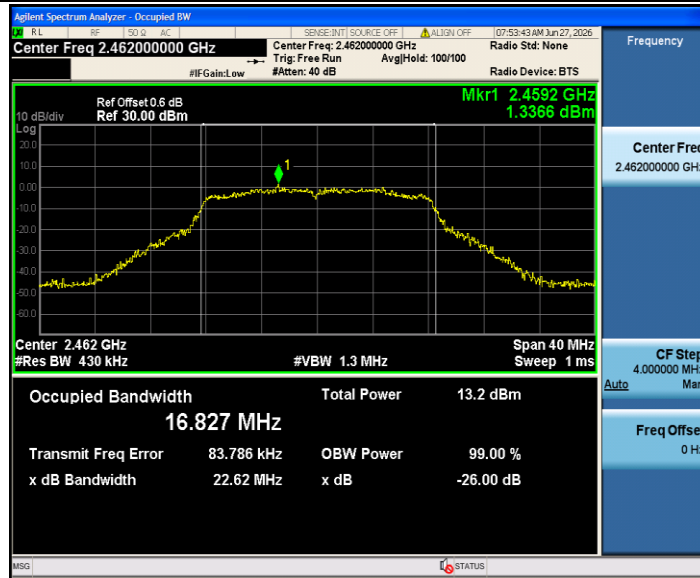
11G_Ant1_2412



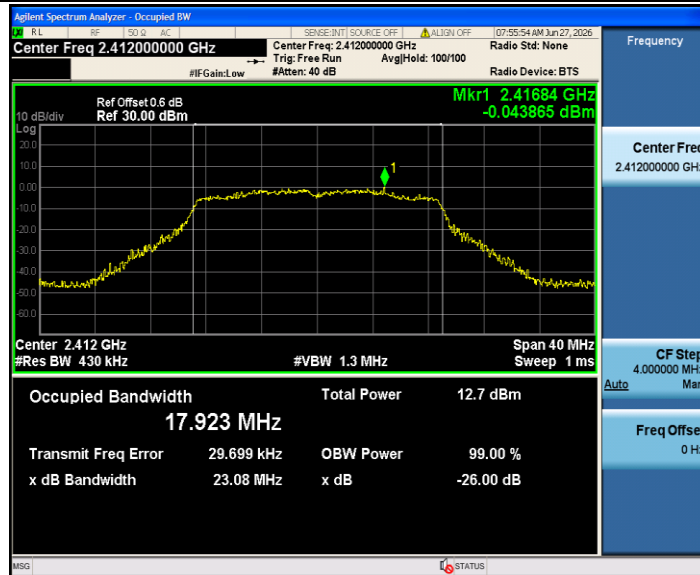
11G_Ant1_2437



11G_Ant1_2462



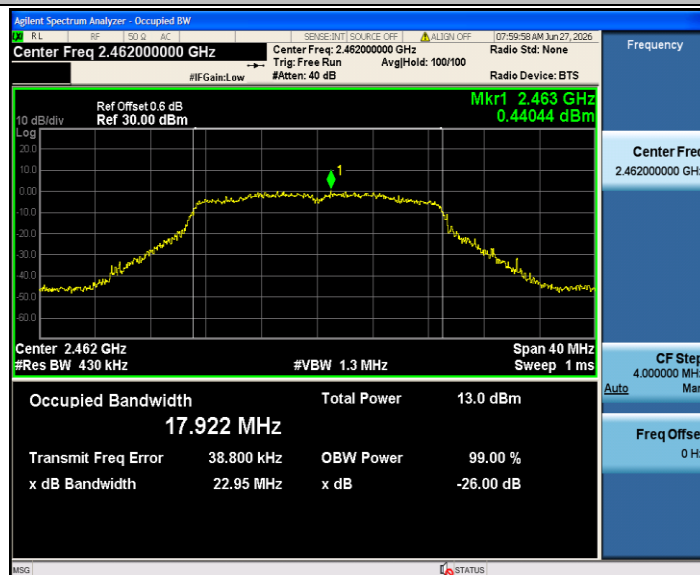
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.03	≤30.00	PASS
		2437	15.15	≤30.00	PASS
		2462	15.31	≤30.00	PASS
11G	Ant1	2412	13.66	≤30.00	PASS
		2437	13.99	≤30.00	PASS
		2462	14.00	≤30.00	PASS
11N20SISO	Ant1	2412	13.44	≤30.00	PASS
		2437	13.70	≤30.00	PASS
		2462	13.96	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

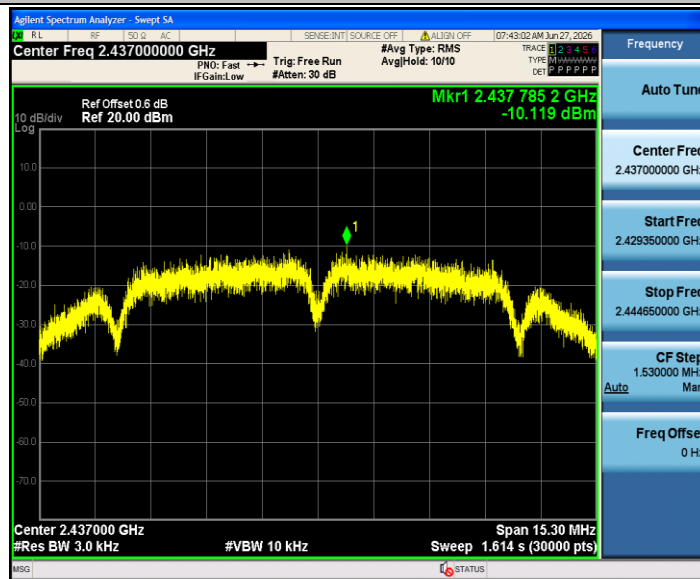
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.11	≤8.00	PASS
		2437	-10.12	≤8.00	PASS
		2462	-10.24	≤8.00	PASS
11G	Ant1	2412	-17.35	≤8.00	PASS
		2437	-17.50	≤8.00	PASS
		2462	-17.33	≤8.00	PASS
11N20SISO	Ant1	2412	-17.95	≤8.00	PASS
		2437	-17.47	≤8.00	PASS
		2462	-17.28	≤8.00	PASS

Test Graphs

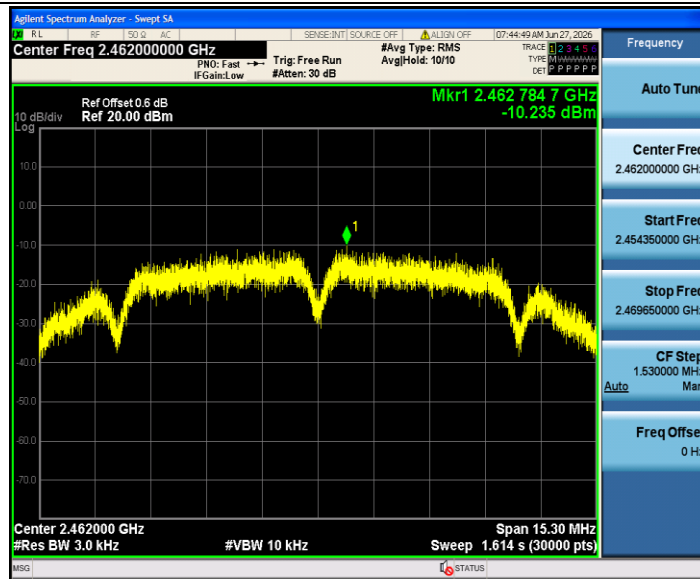
11B_Ant1_2412



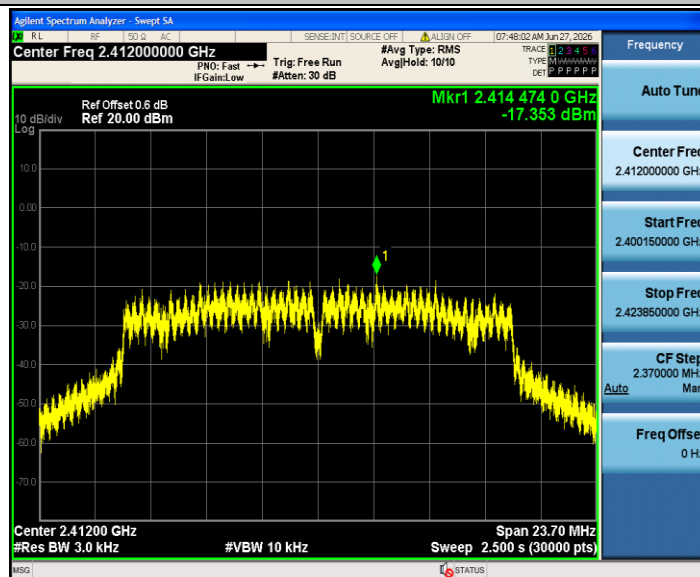
11B_Ant1_2437



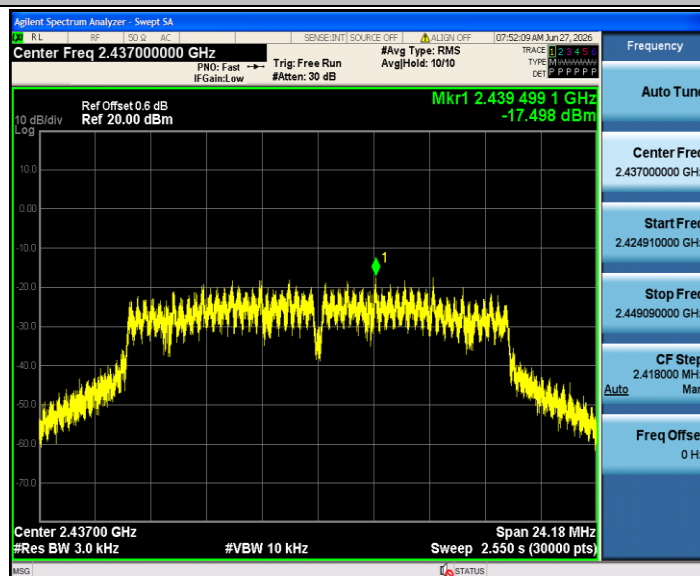
11B_Ant1_2462



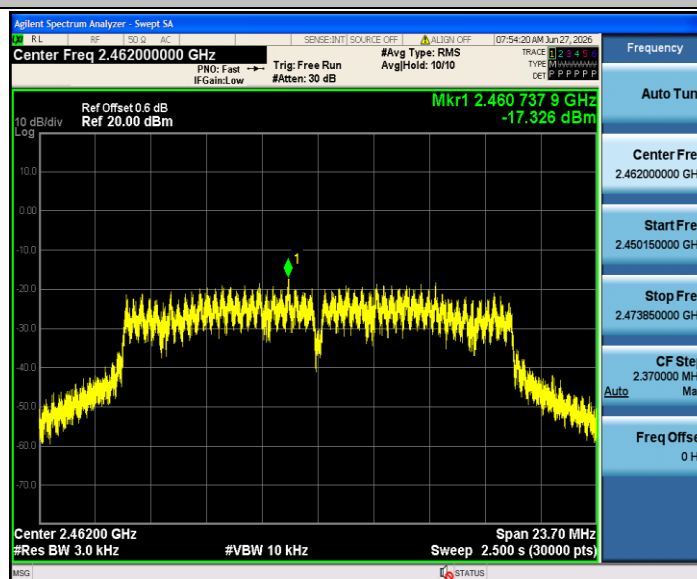
11G_Ant1_2412



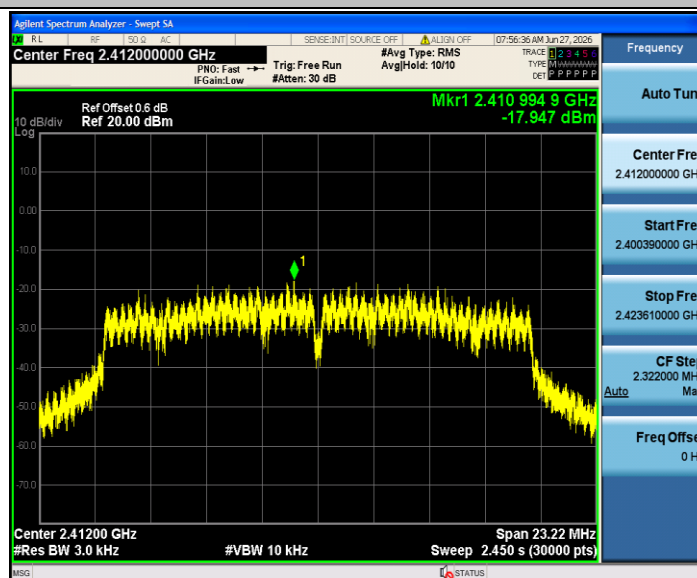
11G_Ant1_2437



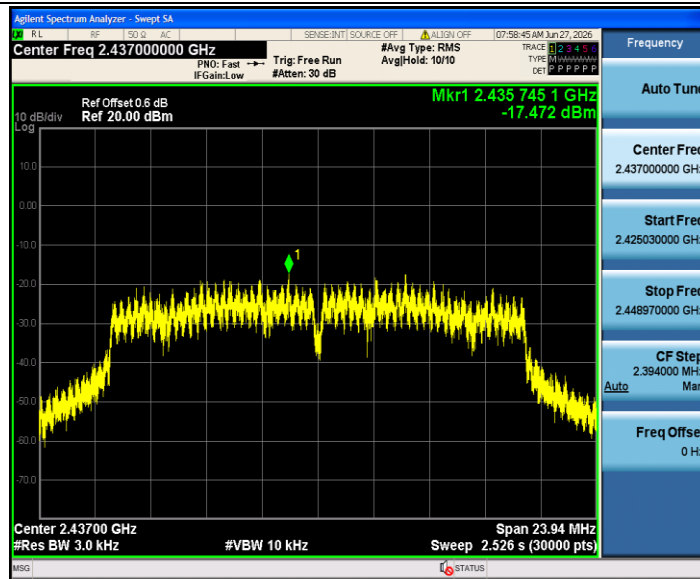
11G_Ant1_2462



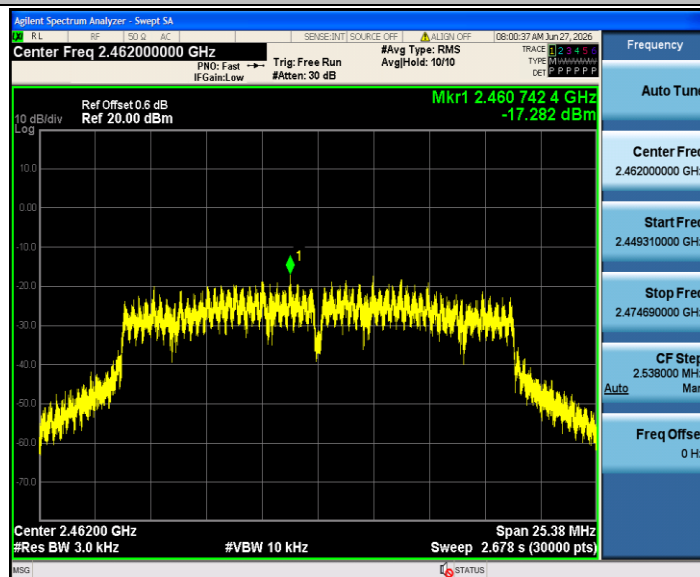
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix E: Conducted Spurious Emission

Test Result

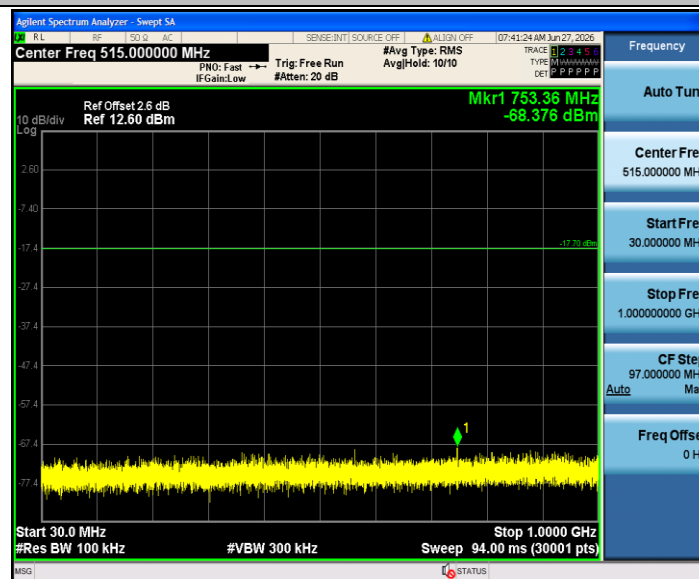
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.30	2.30	---	PASS
			30~1000	2.30	-68.38	≤ -17.7	PASS
			1000~26500	2.30	-45.58	≤ -17.7	PASS
		2437	Reference	3.14	3.14	---	PASS
			30~1000	3.14	-68.12	≤ -16.86	PASS
			1000~26500	3.14	-45.62	≤ -16.86	PASS
		2462	Reference	1.64	1.64	---	PASS
			30~1000	1.64	-68.87	≤ -18.36	PASS
			1000~26500	1.64	-46.35	≤ -18.36	PASS
11G	Ant1	2412	Reference	-3.08	-3.08	---	PASS
			30~1000	-3.08	-68.89	≤ -23.08	PASS
			1000~26500	-3.08	-46.36	≤ -23.08	PASS
		2437	Reference	-3.45	-3.45	---	PASS
			30~1000	-3.45	-68.35	≤ -23.45	PASS
			1000~26500	-3.45	-45.89	≤ -23.45	PASS
		2462	Reference	-2.74	-2.74	---	PASS
			30~1000	-2.74	-69.23	≤ -22.74	PASS
			1000~26500	-2.74	-46.83	≤ -22.74	PASS
11N20SISO	Ant1	2412	Reference	-3.34	-3.34	---	PASS
			30~1000	-3.34	-68.57	≤ -23.34	PASS
			1000~26500	-3.34	-46.94	≤ -23.34	PASS
		2437	Reference	-2.82	-2.82	---	PASS
			30~1000	-2.82	-68.95	≤ -22.82	PASS
			1000~26500	-2.82	-46.97	≤ -22.82	PASS
		2462	Reference	-2.69	-2.69	---	PASS
			30~1000	-2.69	-68.85	≤ -22.69	PASS
			1000~26500	-2.69	-46.11	≤ -22.69	PASS

Test Graphs

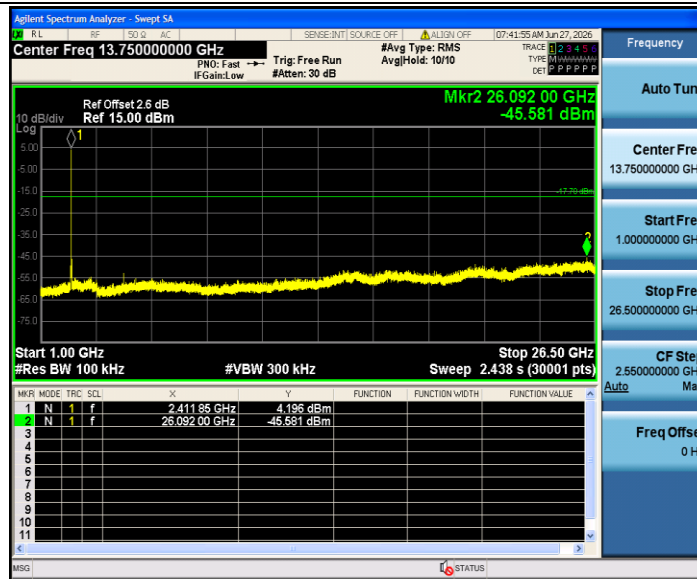
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



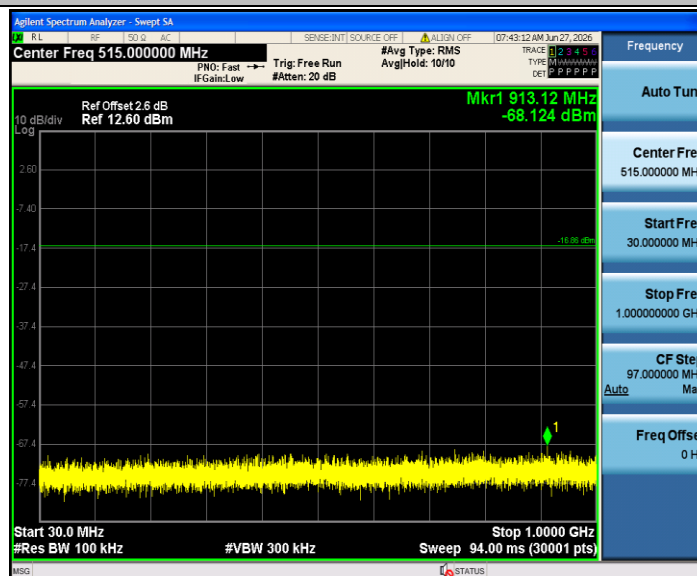
11B_Ant1_2412_1000~26500



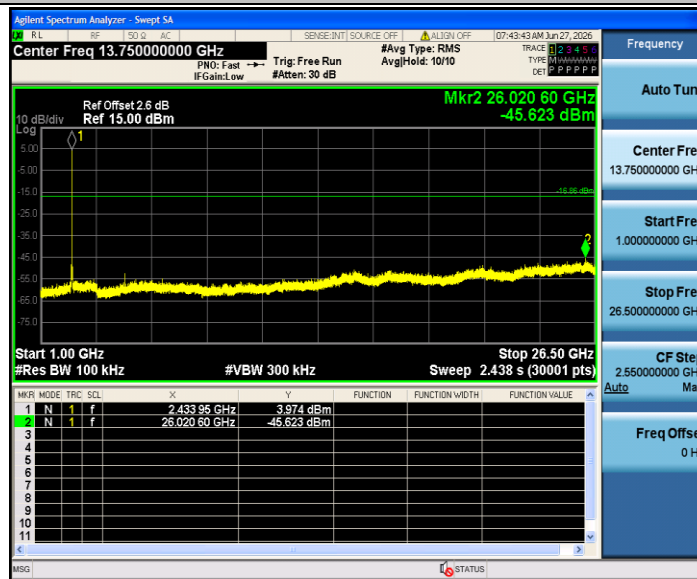
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



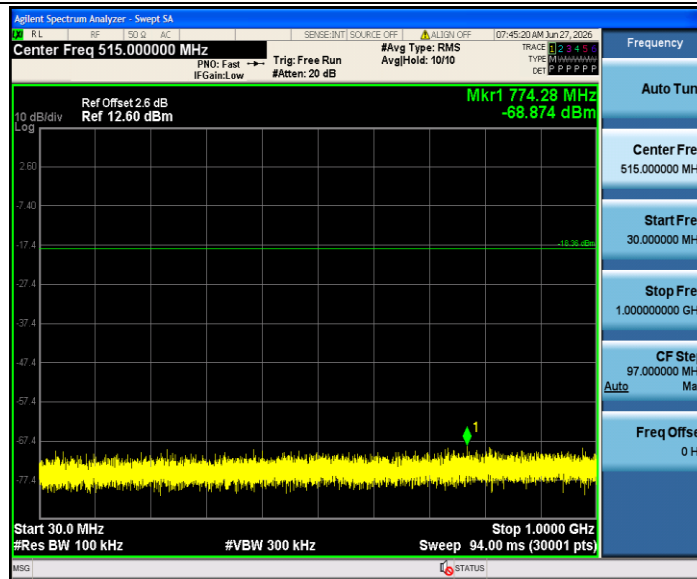
11B_Ant1_2437_1000~26500



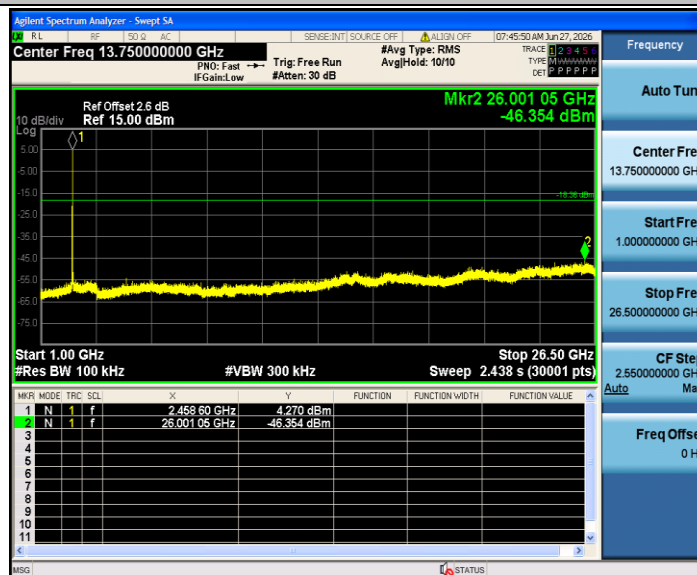
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



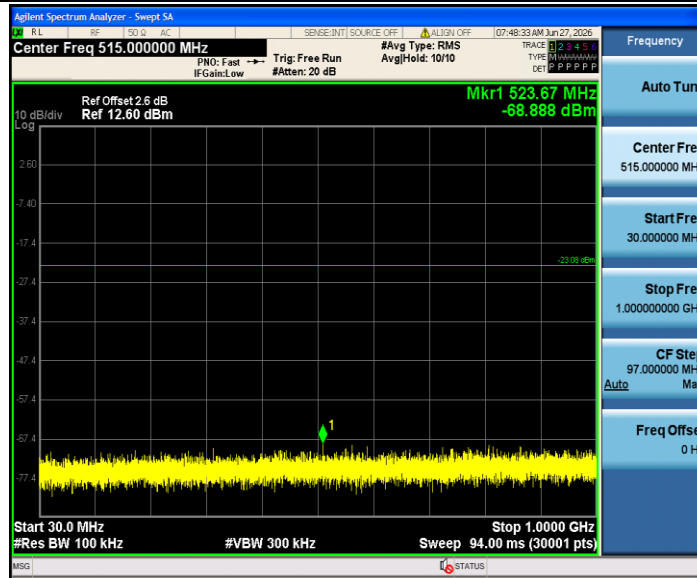
11B_Ant1_2462_1000~26500



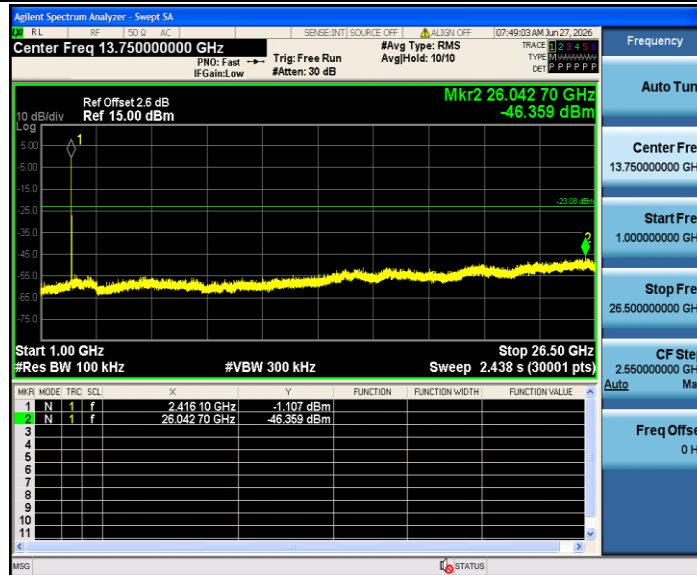
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



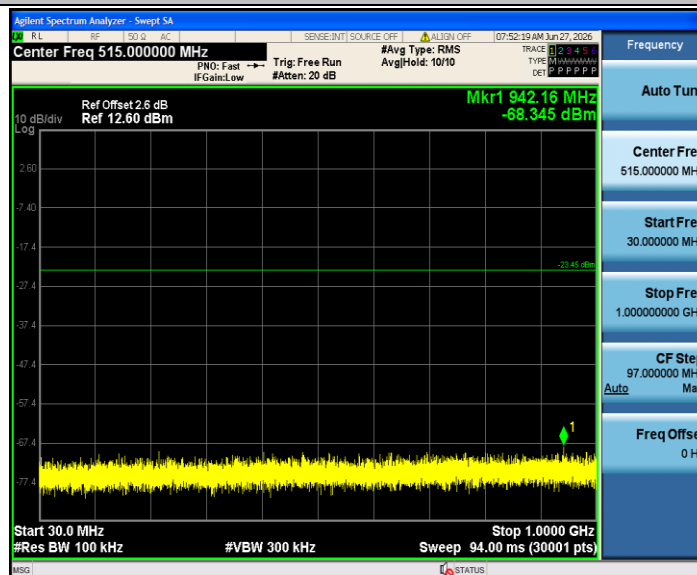
11G_Ant1_2412_1000~26500



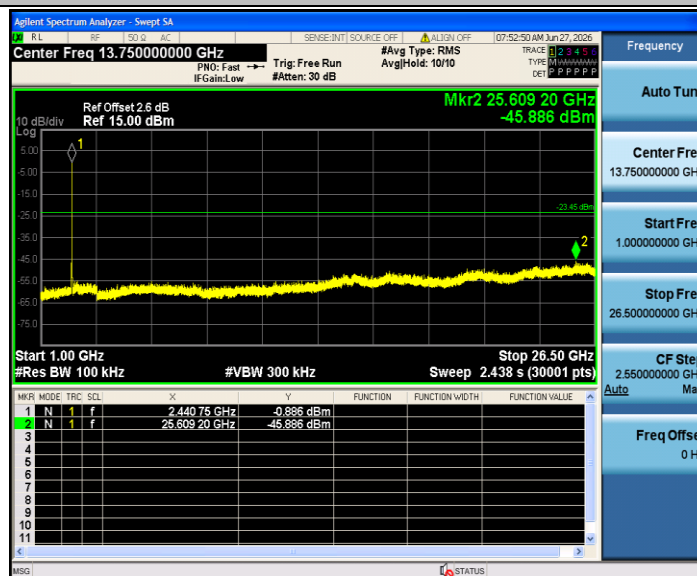
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



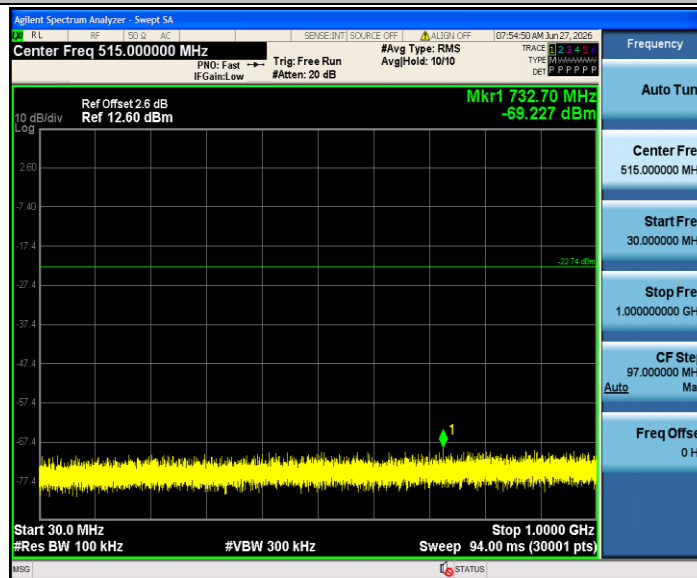
11G_Ant1_2437_1000~26500



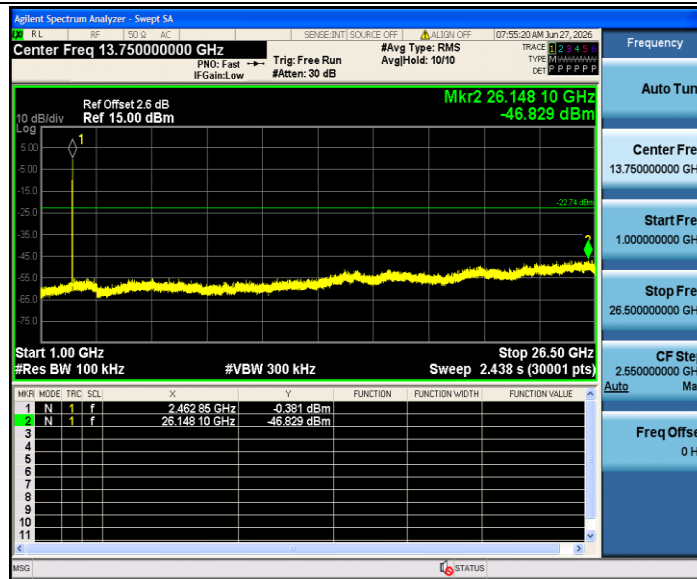
11G_Ant1_2462_0~Reference



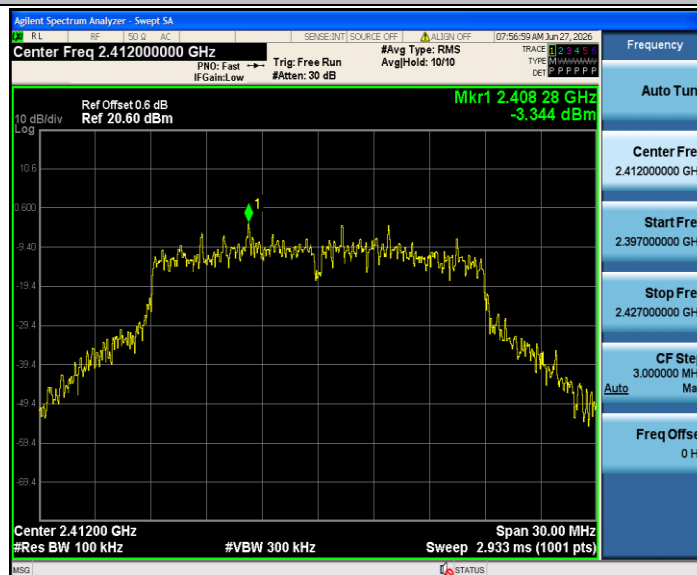
11G_Ant1_2462_30~1000



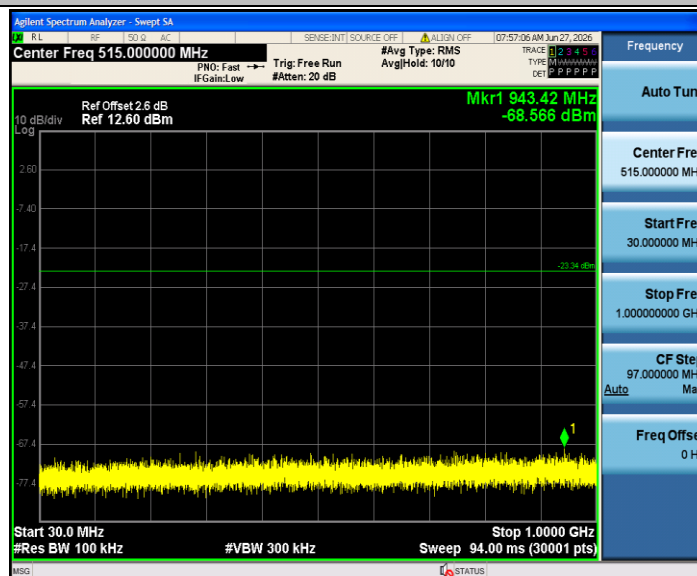
11G_Ant1_2462_1000~26500



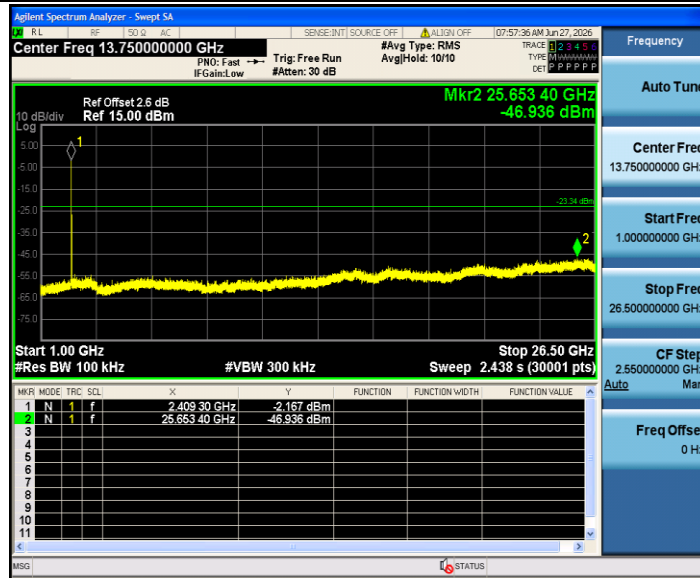
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



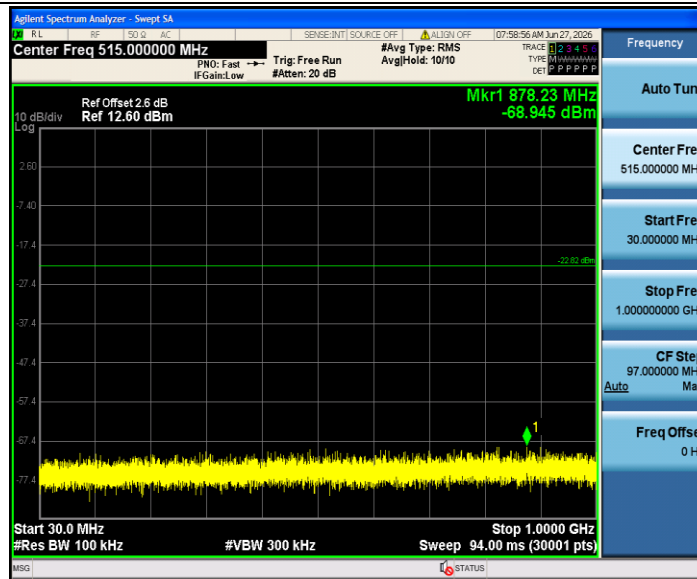
11N20SISO_Ant1_2412_1000~26500



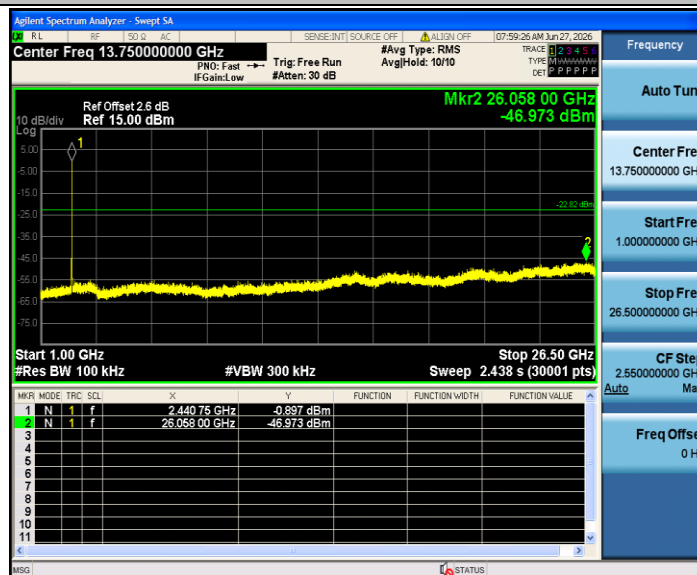
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



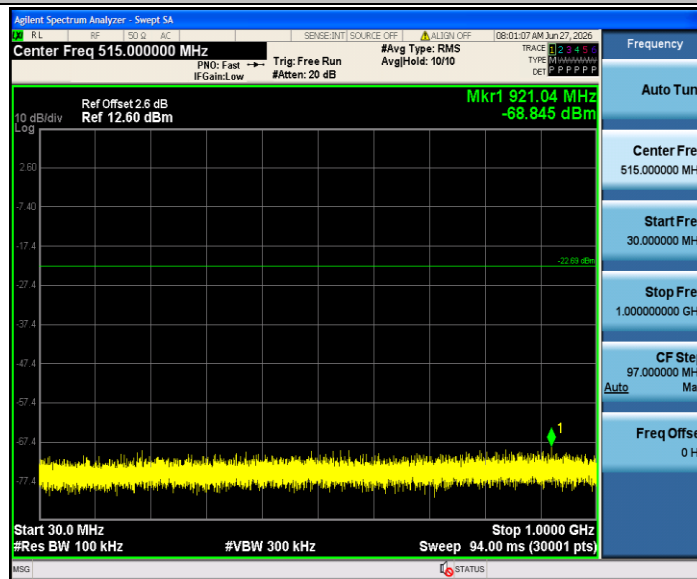
11N20SISO_Ant1_2437_1000~26500



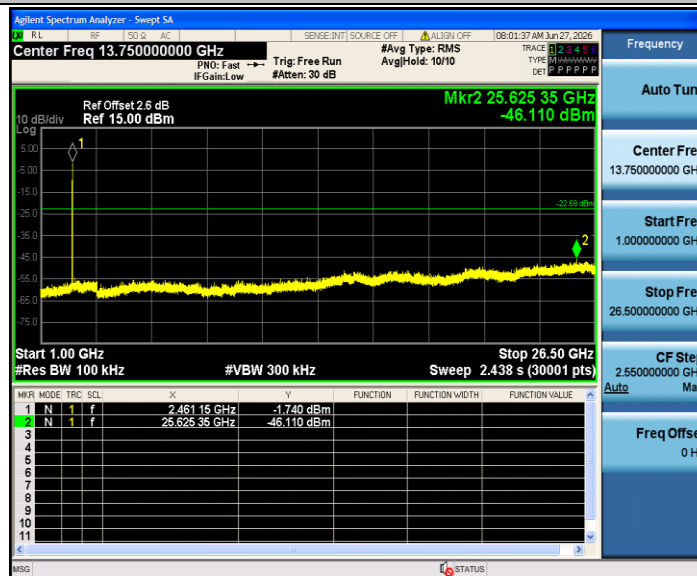
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



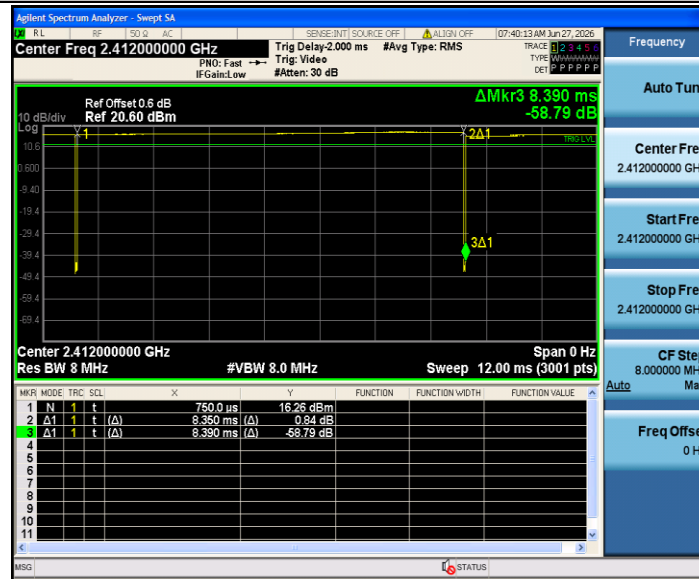
Appendix F: Duty Cycle

Test Result

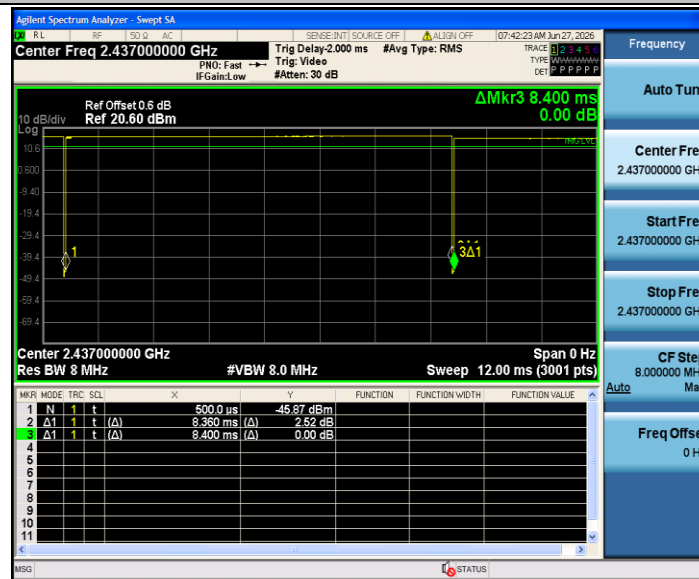
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	T Factor [dB]
11B	Ant1	2412	8.35	8.39	99.52	0.02	0.12
		2437	8.36	8.40	99.52	0.02	0.12
		2462	8.35	8.40	99.40	0.03	0.12
11G	Ant1	2412	0.15	0.19	78.95	1.03	6.67
		2437	0.15	0.19	78.95	1.03	6.67
		2462	0.15	0.19	78.95	1.03	6.67
11N20SISO	Ant1	2412	0.18	0.23	78.26	1.06	5.56
		2437	0.18	0.23	78.26	1.06	5.56
		2462	0.18	0.23	78.26	1.06	5.56

Test Graphs

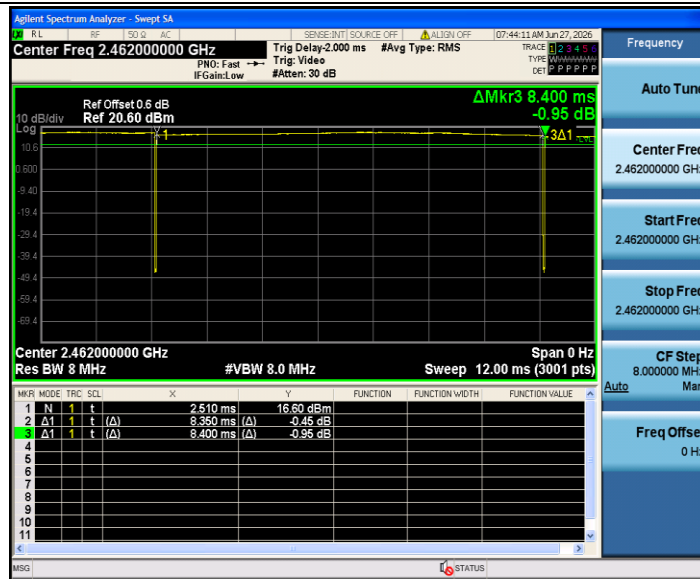
11B_Ant1_2412



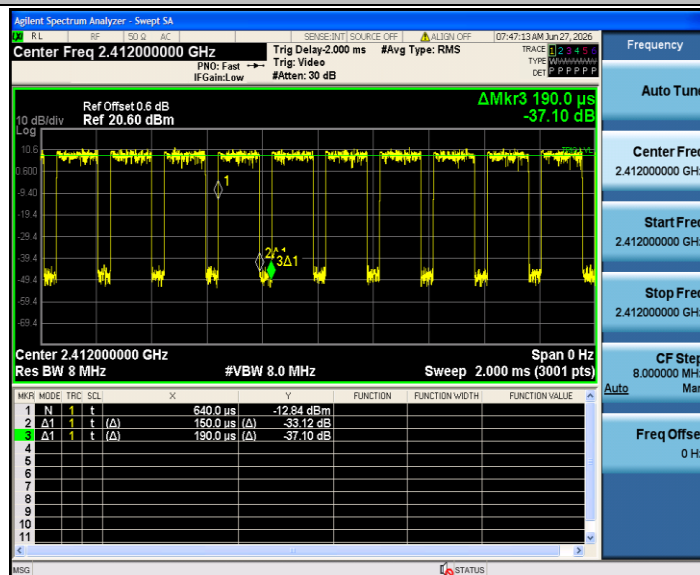
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437

