

Case No. : <u>GTS20250708005-2-03</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH,	
Test Date: <u>2025.7.15-2025.8.04</u>	Test Engineer: <u>Evan ouyang</u>

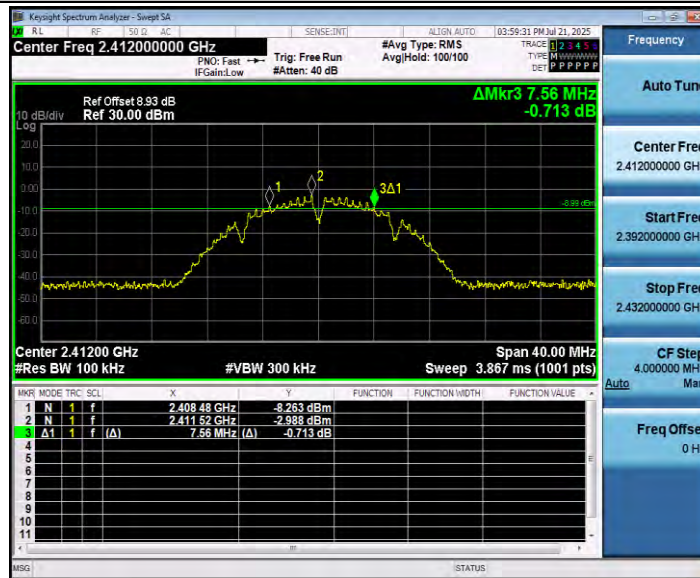
Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.560	2408.480	2416.040	0.5	PASS
		2437	9.080	2432.480	2441.560	0.5	PASS
		2462	9.000	2457.520	2466.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	15.040	2429.480	2444.520	0.5	PASS
		2462	14.680	2454.880	2469.560	0.5	PASS
11N20SISO	Ant1	2412	16.000	2404.120	2420.120	0.5	PASS
		2437	16.920	2428.480	2445.400	0.5	PASS
		2462	15.400	2454.120	2469.520	0.5	PASS
11N40SISO	Ant1	2422	33.840	2405.680	2439.520	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	33.840	2434.480	2468.320	0.5	PASS

Test Graphs

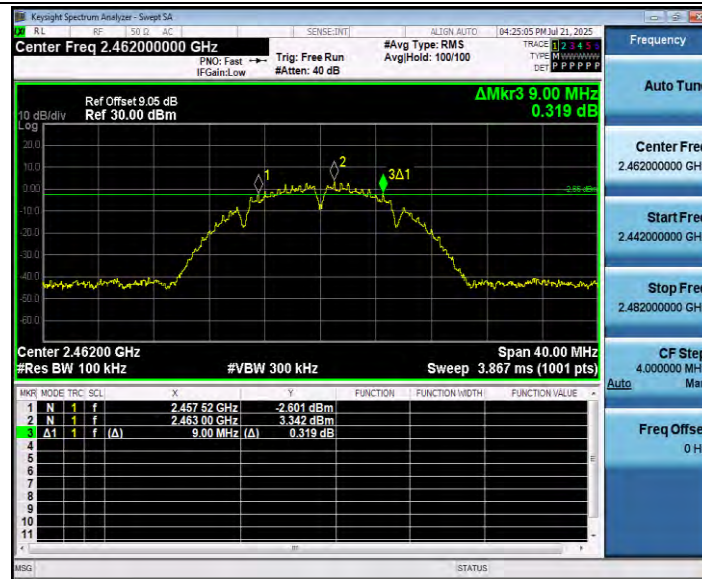
11B_Ant1_2412



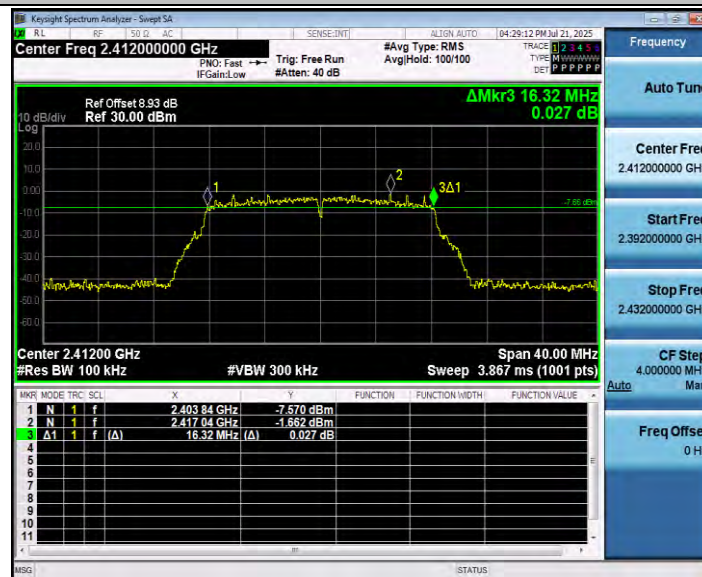
11B_Ant1_2437



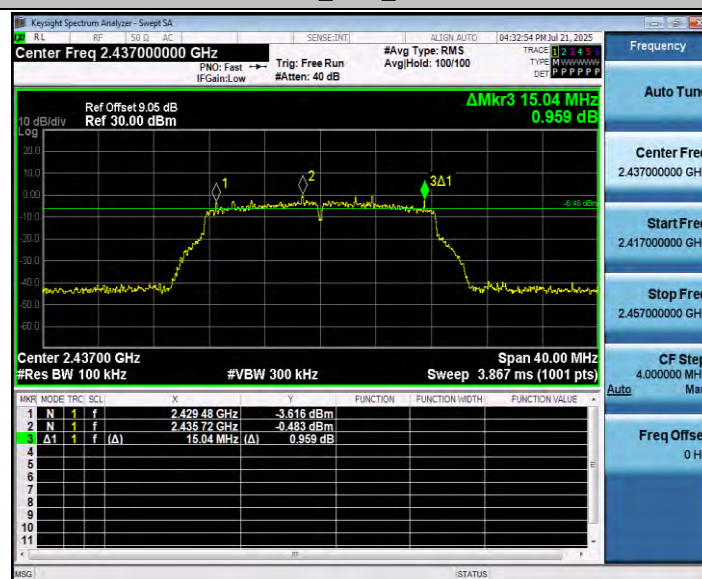
11B_Ant1_2462



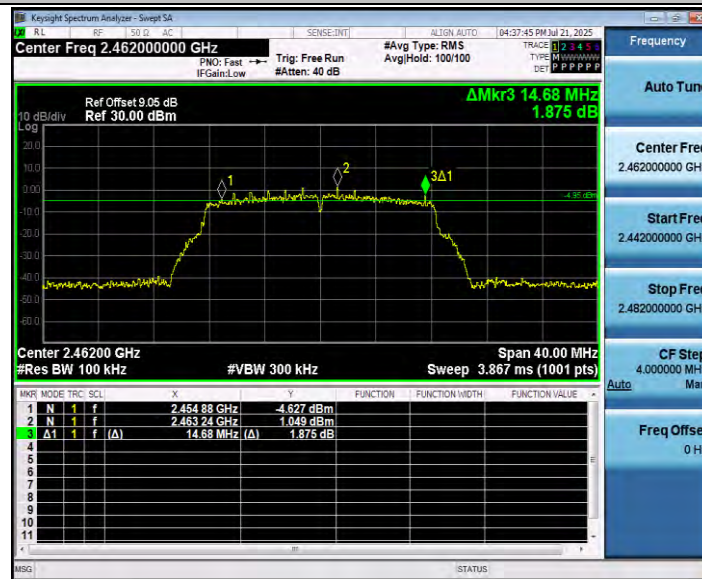
11G_Ant1_2412



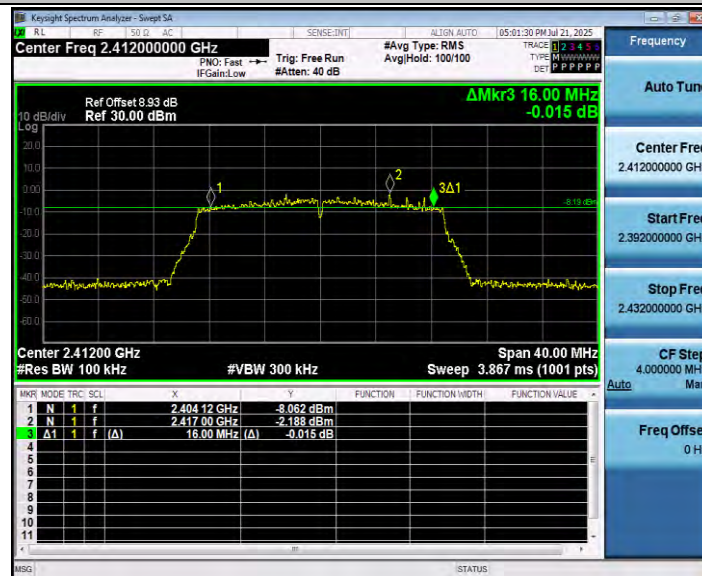
11G_Ant1_2437



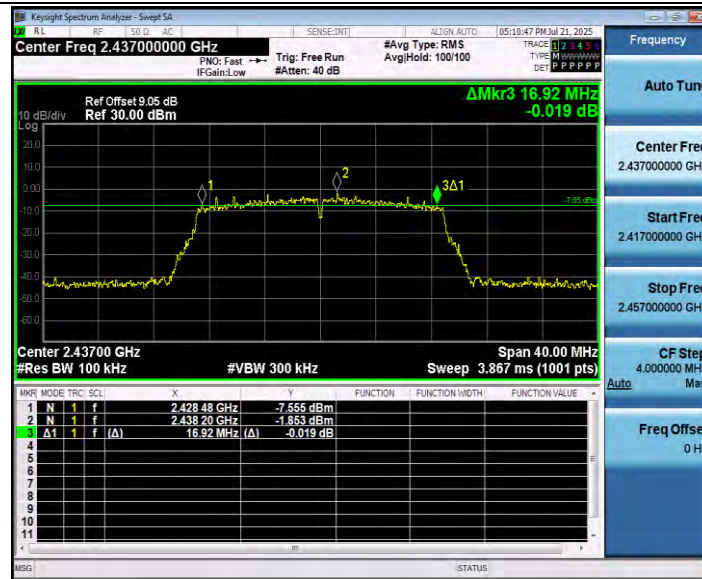
11G_Ant1_2462



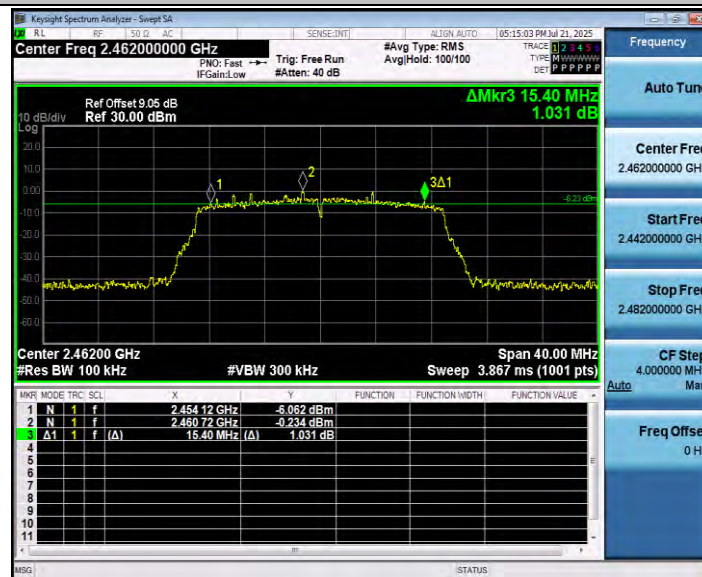
11N20SISO_Ant1_2412



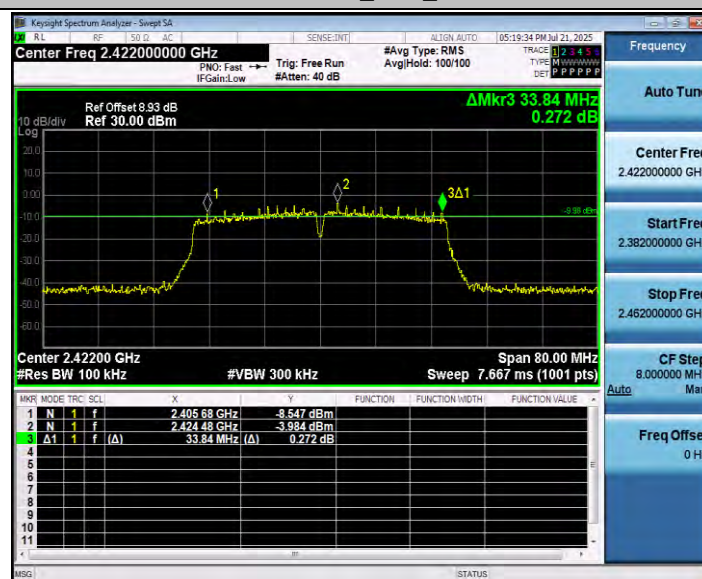
11N20SISO_Ant1_2437



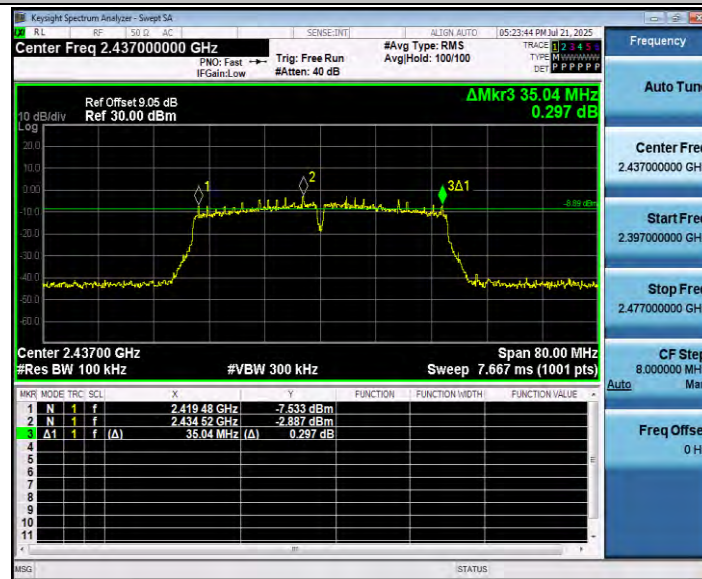
11N20SISO_Ant1_2462



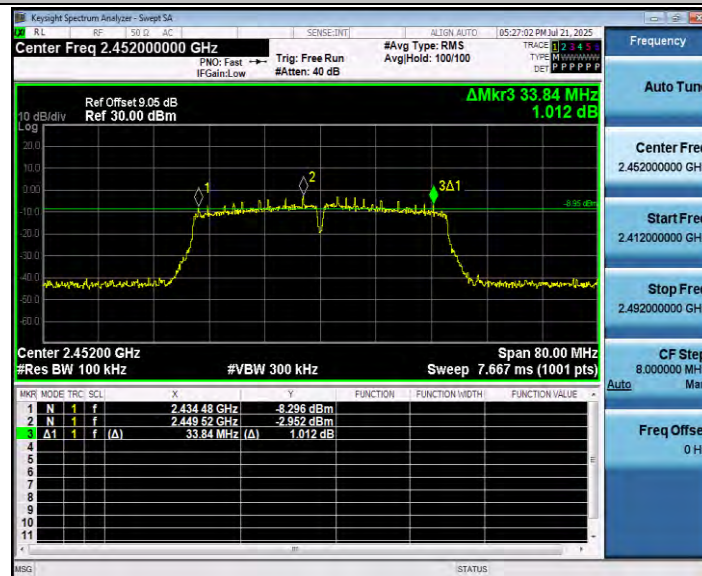
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



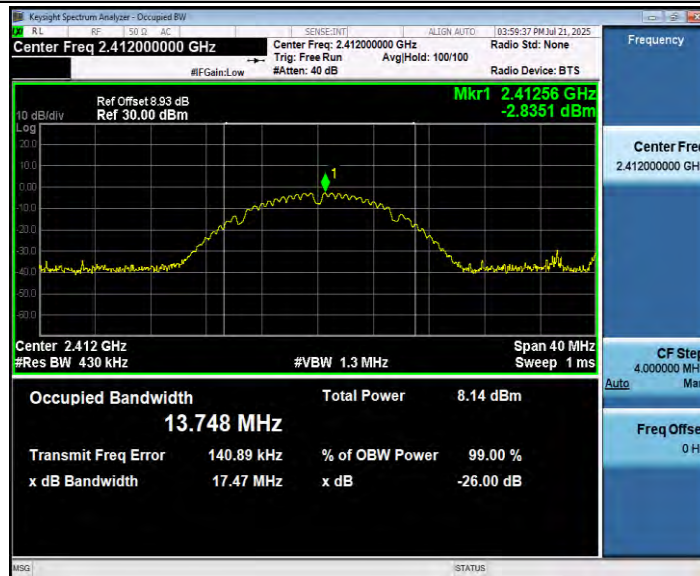
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.748	2405.2669	2419.0149	---	---
		2437	13.431	2430.3325	2443.7635	---	---
		2462	13.409	2455.3127	2468.7217	---	---
11G	Ant1	2412	16.783	2403.6211	2420.4041	---	---
		2437	16.780	2428.6510	2445.4310	---	---
		2462	16.881	2453.5698	2470.4508	---	---
11N20SISO	Ant1	2412	17.803	2403.1220	2420.9250	---	---
		2437	17.773	2428.1588	2445.9318	---	---
		2462	17.774	2453.1208	2470.8948	---	---
11N40SISO	Ant1	2422	36.134	2404.0332	2440.1672	---	---
		2437	35.997	2419.0630	2455.0600	---	---
		2452	36.106	2433.9773	2470.0833	---	---

Test Graphs

11B_Ant1_2412



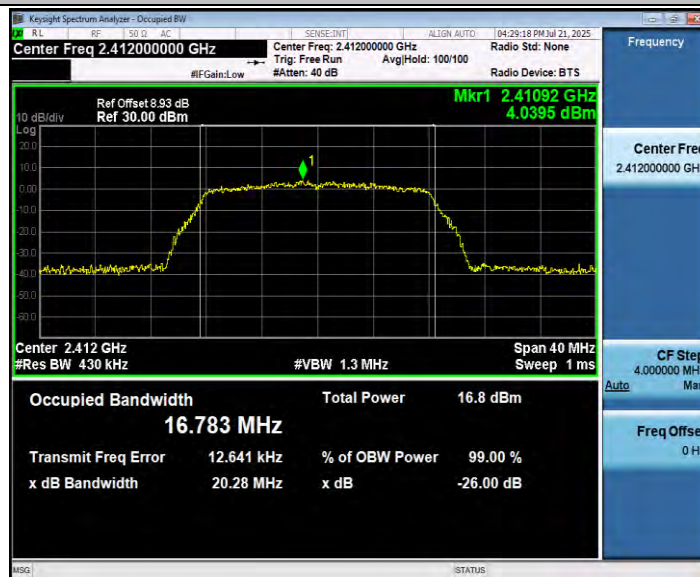
11B_Ant1_2437



11B_Ant1_2462



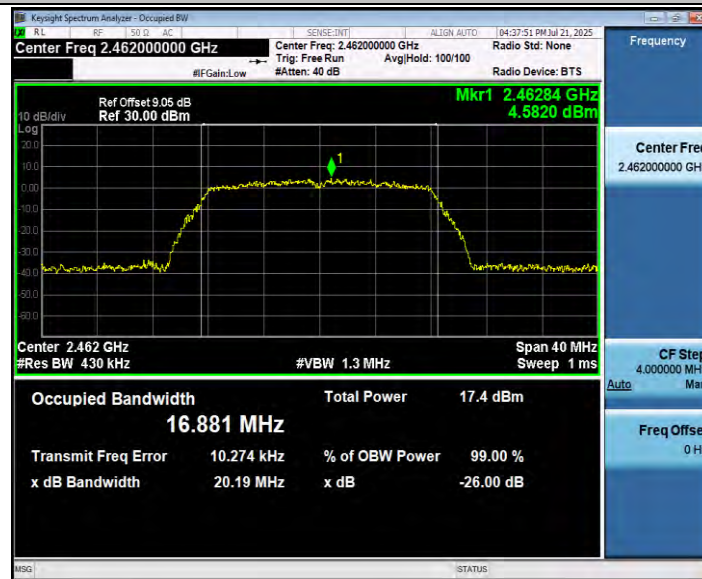
11G_Ant1_2412



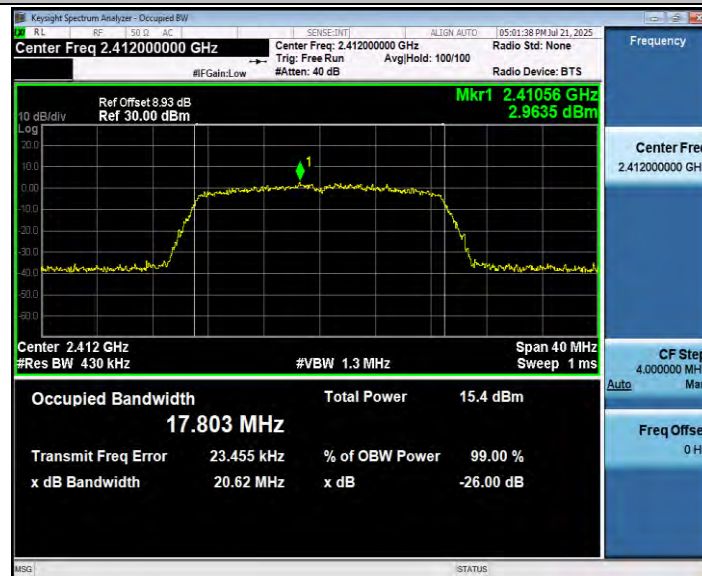
11G_Ant1_2437



11G_Ant1_2462



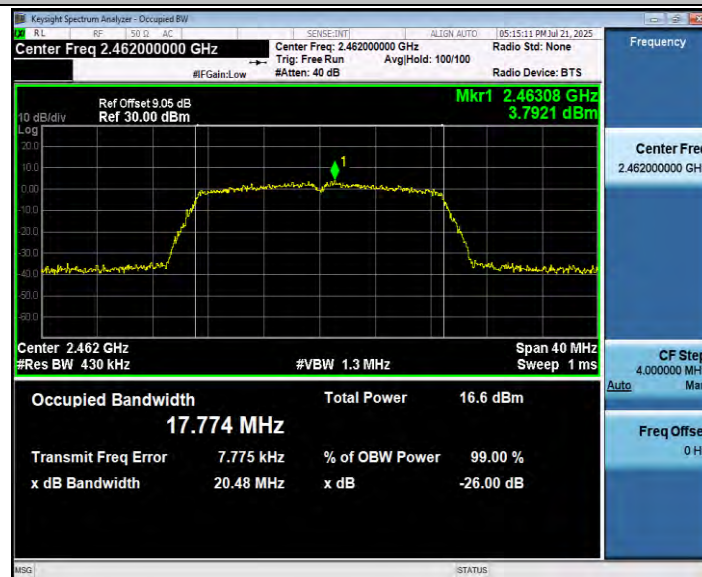
11N20SISO_Ant1_2412



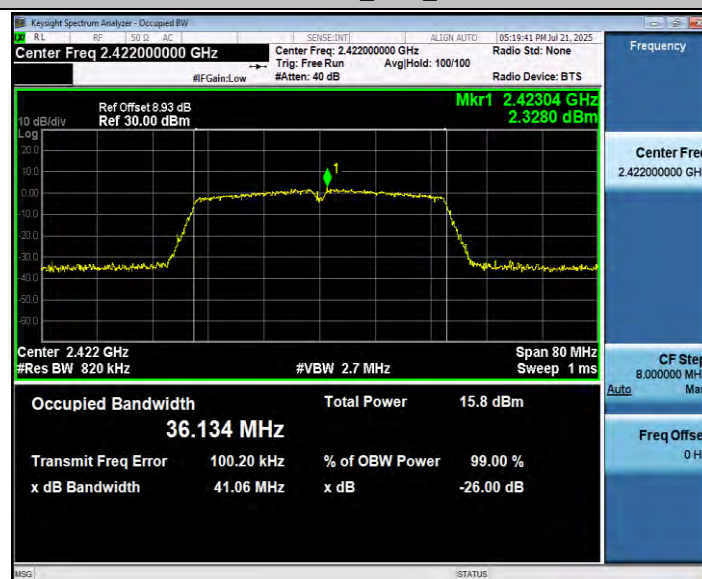
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



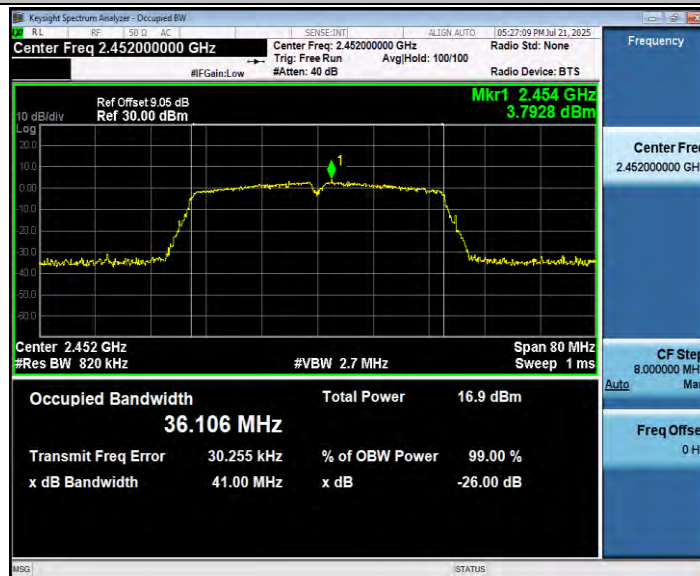
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	8.18	≤30.00	PASS
		2437	14.65	≤30.00	PASS
		2462	14.69	≤30.00	PASS
11G	Ant1	2412	17.83	≤30.00	PASS
		2437	17.87	≤30.00	PASS
		2462	18.68	≤30.00	PASS
11N20SISO	Ant1	2412	16.60	≤30.00	PASS
		2437	16.62	≤30.00	PASS
		2462	17.77	≤30.00	PASS
11N40SISO	Ant1	2422	16.14	≤30.00	PASS
		2437	17.22	≤30.00	PASS
		2452	17.15	≤30.00	PASS

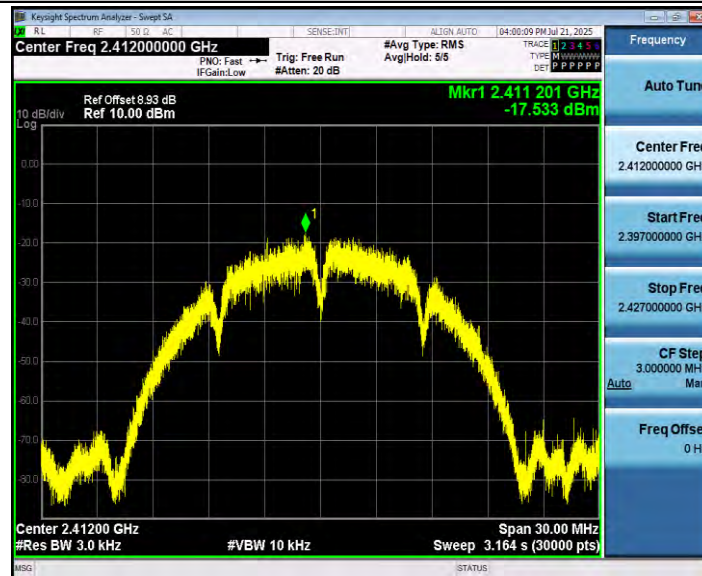
Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.53	≤8.00	PASS
		2437	-10.13	≤8.00	PASS
		2462	-11.30	≤8.00	PASS
11G	Ant1	2412	-13.86	≤8.00	PASS
		2437	-13.90	≤8.00	PASS
		2462	-12.89	≤8.00	PASS
11N20SISO	Ant1	2412	-14.89	≤8.00	PASS
		2437	-14.93	≤8.00	PASS
		2462	-13.24	≤8.00	PASS
11N40SISO	Ant1	2422	-19.46	≤8.00	PASS
		2437	-16.88	≤8.00	PASS
		2452	-16.13	≤8.00	PASS

Test Graphs

11B_Ant1_2412



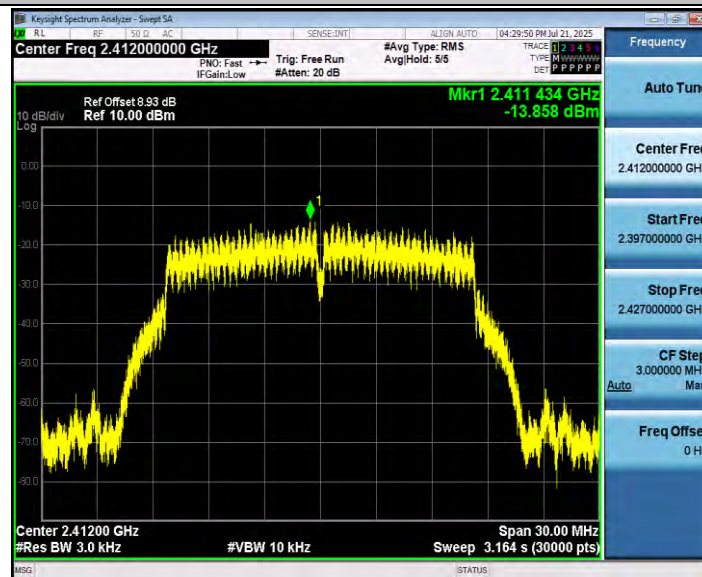
11B_Ant1_2437



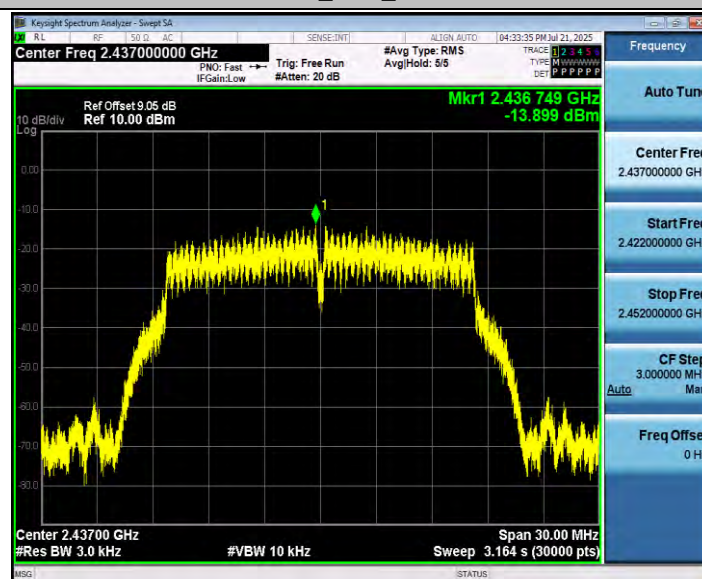
11B_Ant1_2462



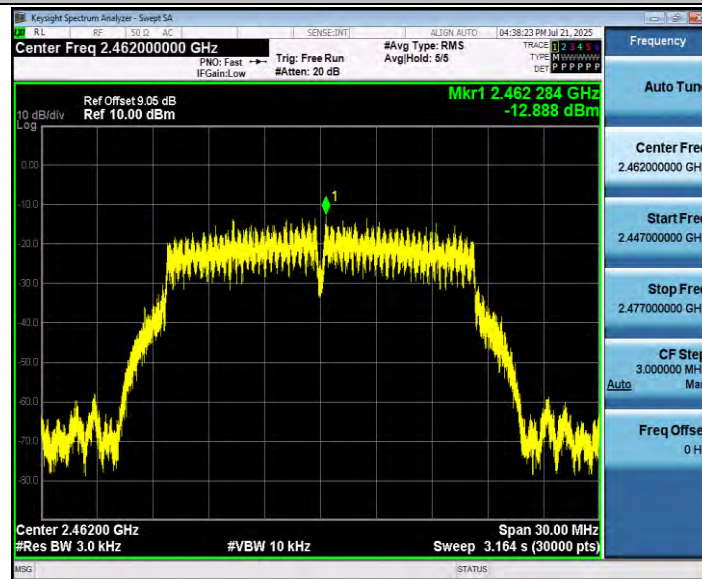
11G_Ant1_2412



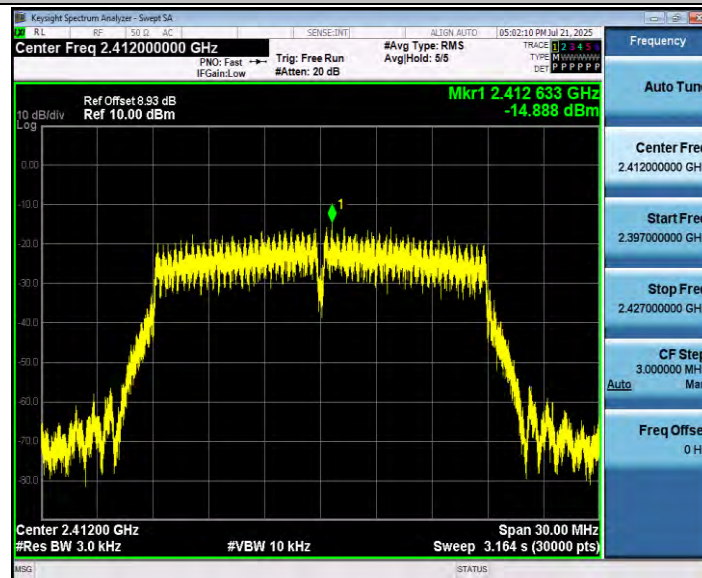
11G_Ant1_2437



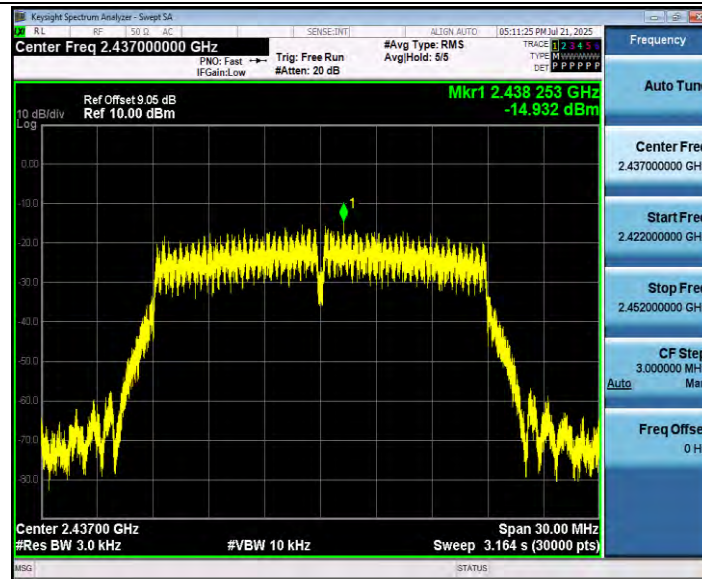
11G_Ant1_2462



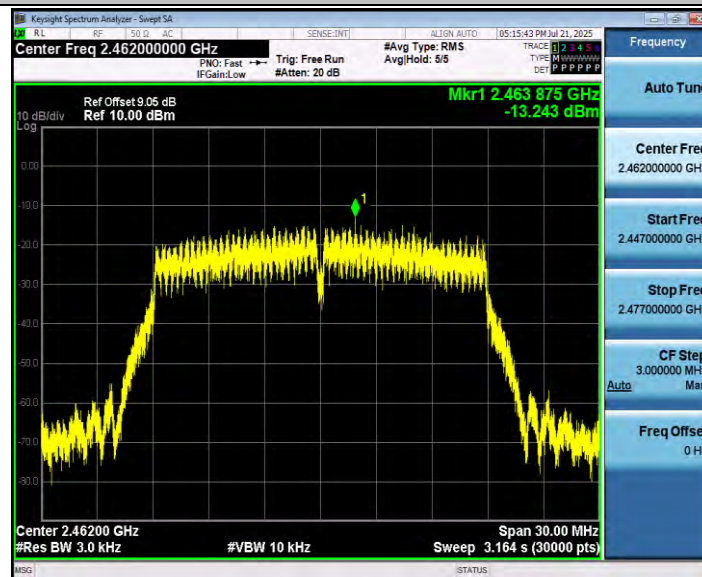
11N20SISO_Ant1_2412



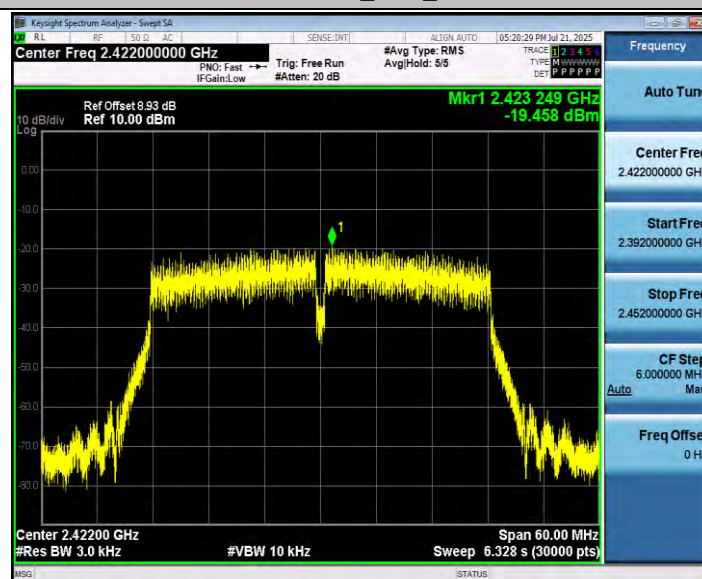
11N20SISO_Ant1_2437



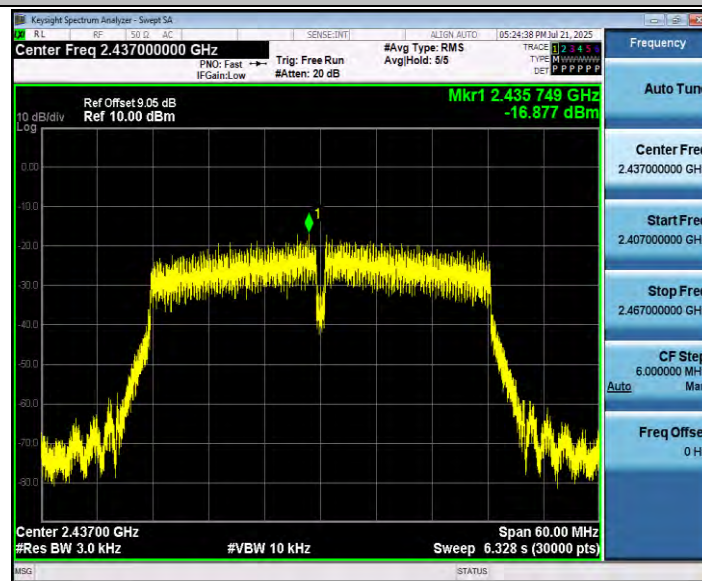
11N20SISO_Ant1_2462



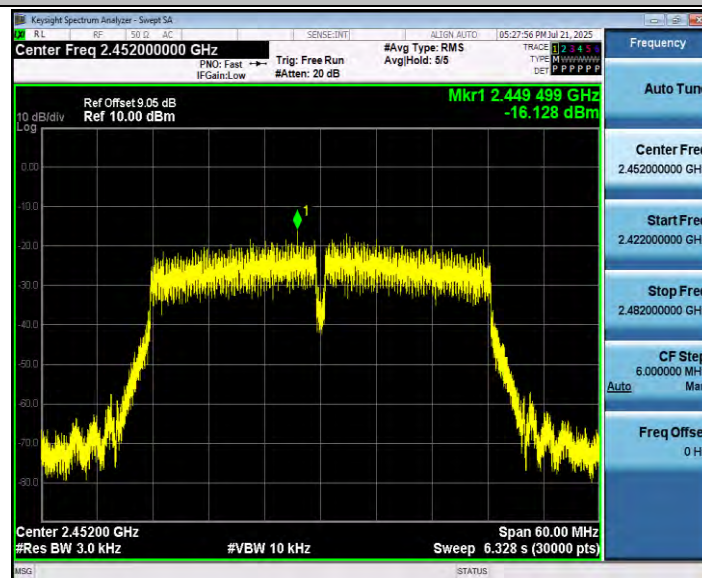
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



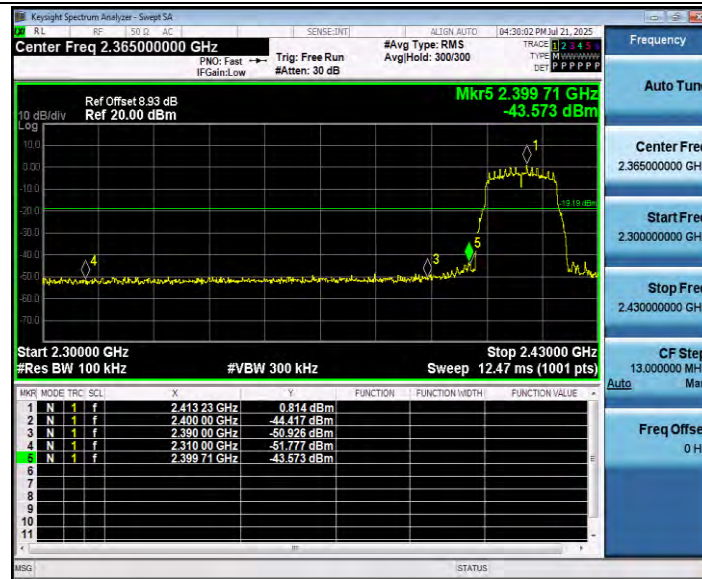
11N40SISO_Ant1_2452



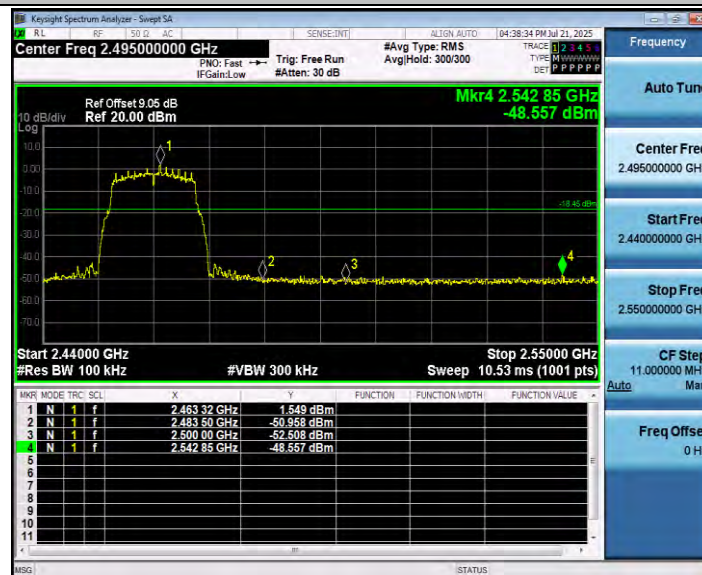
Appendix C.5: Band edge measurements

Test Result

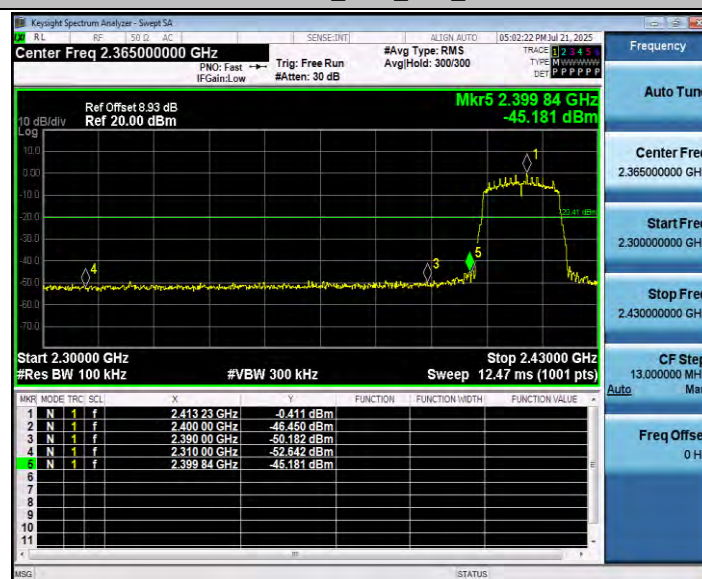
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-3.31	-39.68	≤ -23.31	PASS
		High	2462	3.42	-49.24	≤ -16.58	PASS
11G	Ant1	Low	2412	0.81	-43.57	≤ -19.19	PASS
		High	2462	1.55	-48.56	≤ -18.45	PASS
11N20SISO	Ant1	Low	2412	-0.41	-45.18	≤ -20.41	PASS
		High	2462	0.45	-49.02	≤ -19.56	PASS
11N40SISO	Ant1	Low	2422	-4.12	-42.73	≤ -24.12	PASS
		High	2452	-2.87	-43.56	≤ -22.87	PASS



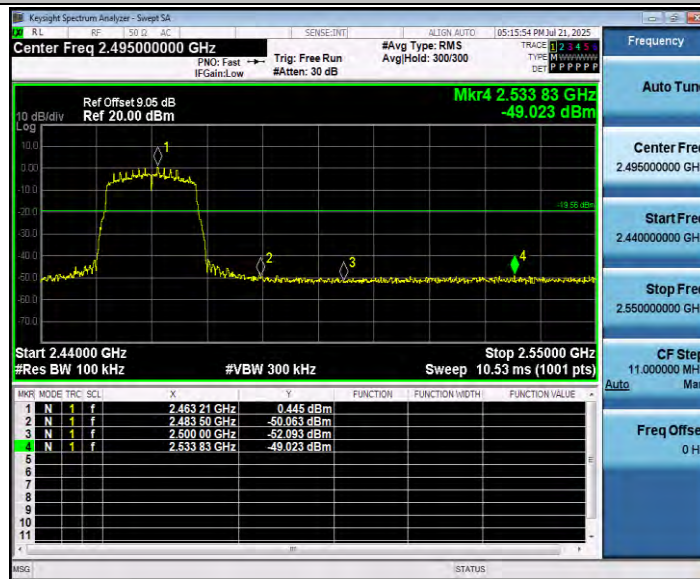
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



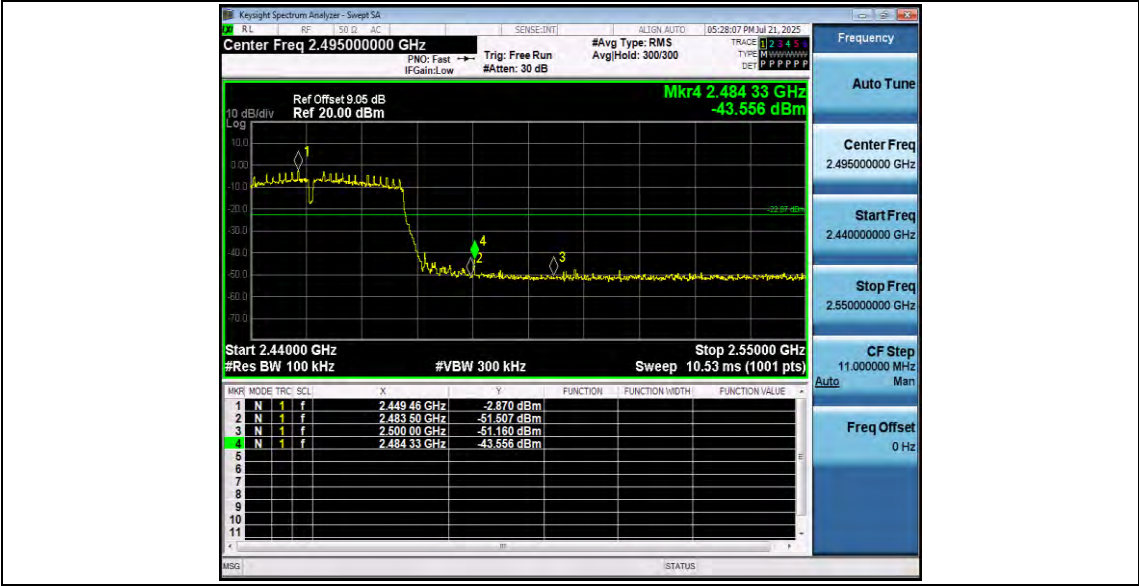
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

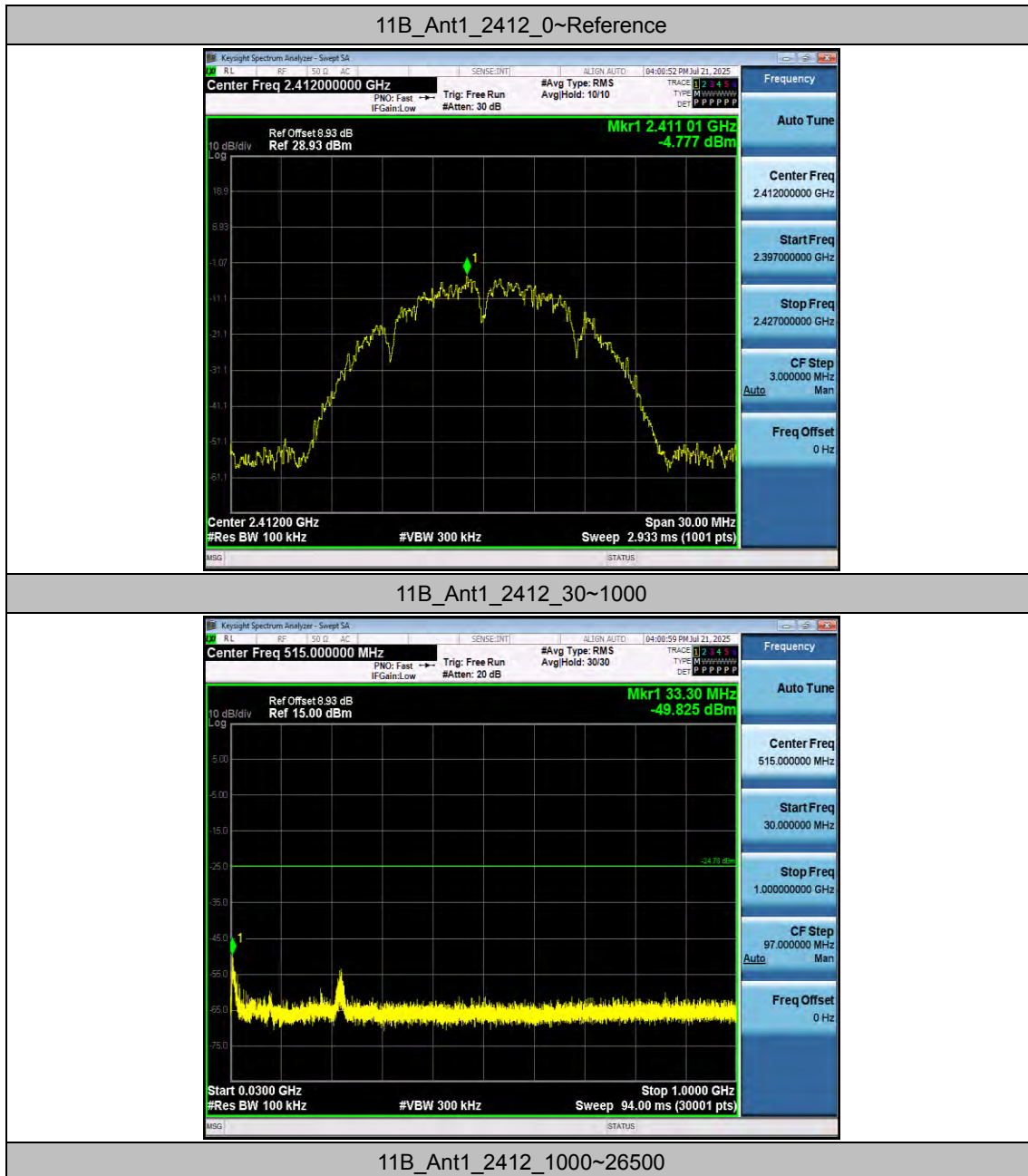


Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-4.78	-4.78	---	PASS
			30~1000	-4.78	-49.83	≤ -24.78	PASS
			1000~26500	-4.78	-47.41	≤ -24.78	PASS
		2437	Reference	1.36	1.36	---	PASS
			30~1000	1.36	-60.65	≤ -18.64	PASS
			1000~26500	1.36	-44.79	≤ -18.64	PASS
		2462	Reference	0.86	0.86	---	PASS
			30~1000	0.86	-60.23	≤ -19.14	PASS
			1000~26500	0.86	-28.56	≤ -19.14	PASS
11G	Ant1	2412	Reference	-2.99	-2.99	---	PASS
			30~1000	-2.99	-60.73	≤ -22.99	PASS
			1000~26500	-2.99	-48.14	≤ -22.99	PASS
		2437	Reference	-0.62	-0.62	---	PASS
			30~1000	-0.62	-60.85	≤ -20.62	PASS
			1000~26500	-0.62	-47.77	≤ -20.62	PASS
		2462	Reference	-1.56	-1.56	---	PASS
			30~1000	-1.56	-54.18	≤ -21.56	PASS
			1000~26500	-1.56	-47.67	≤ -21.56	PASS
11N20SISO	Ant1	2412	Reference	-4.19	-4.19	---	PASS
			30~1000	-4.19	-60.36	≤ -24.19	PASS
			1000~26500	-4.19	-47.85	≤ -24.19	PASS
		2437	Reference	-3.96	-3.96	---	PASS
			30~1000	-3.96	-60.76	≤ -23.96	PASS
			1000~26500	-3.96	-48.13	≤ -23.96	PASS
		2462	Reference	-3.11	-3.11	---	PASS
			30~1000	-3.11	-60.36	≤ -23.11	PASS
			1000~26500	-3.11	-47.34	≤ -23.11	PASS
11N40SISO	Ant1	2422	Reference	-5.55	-5.55	---	PASS
			30~1000	-5.55	-60.06	≤ -25.55	PASS
			1000~26500	-5.55	-48.03	≤ -25.55	PASS
		2437	Reference	-4.13	-4.13	---	PASS
			30~1000	-4.13	-60.46	≤ -24.13	PASS
			1000~26500	-4.13	-47.52	≤ -24.13	PASS
		2452	Reference	-5.40	-5.40	---	PASS
			30~1000	-5.40	-60.1	≤ -25.4	PASS
			1000~26500	-5.40	-47.94	≤ -25.4	PASS

Test Graphs

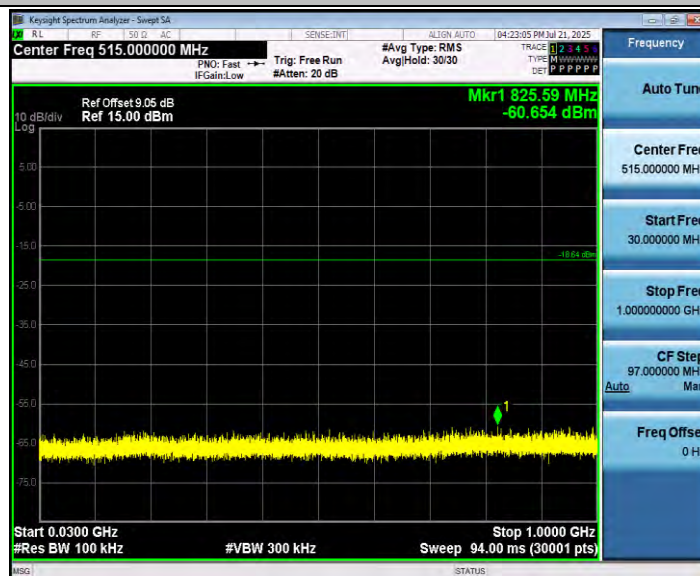




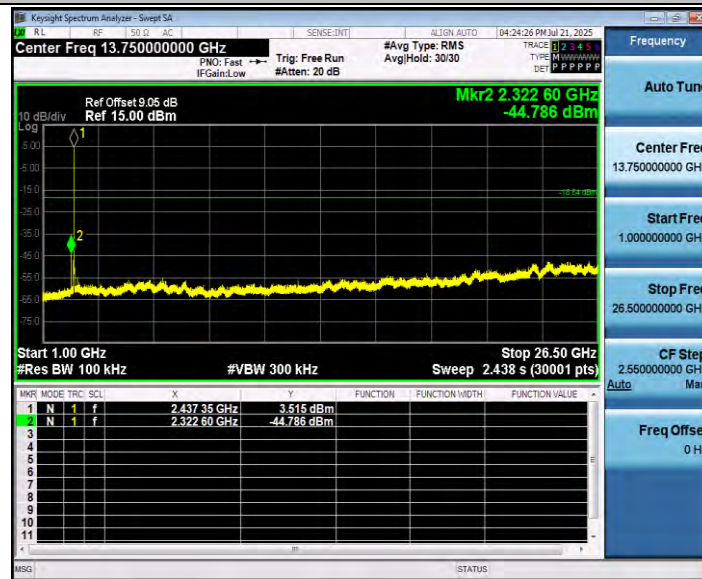
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



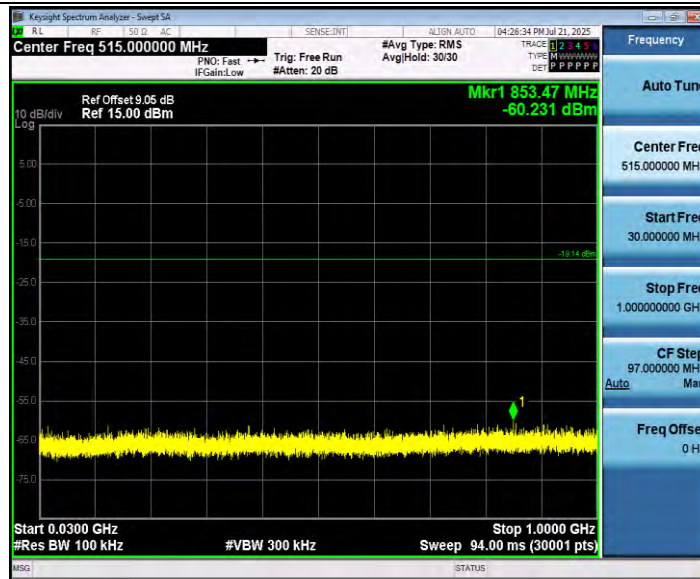
11B_Ant1_2437_1000~26500



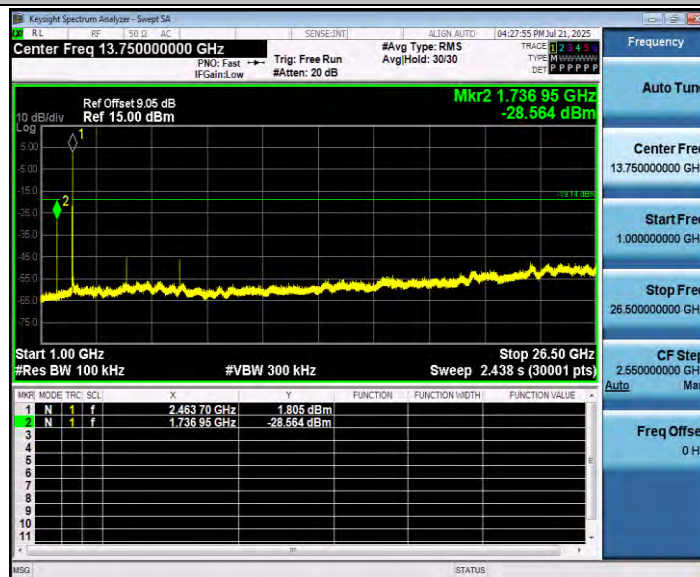
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

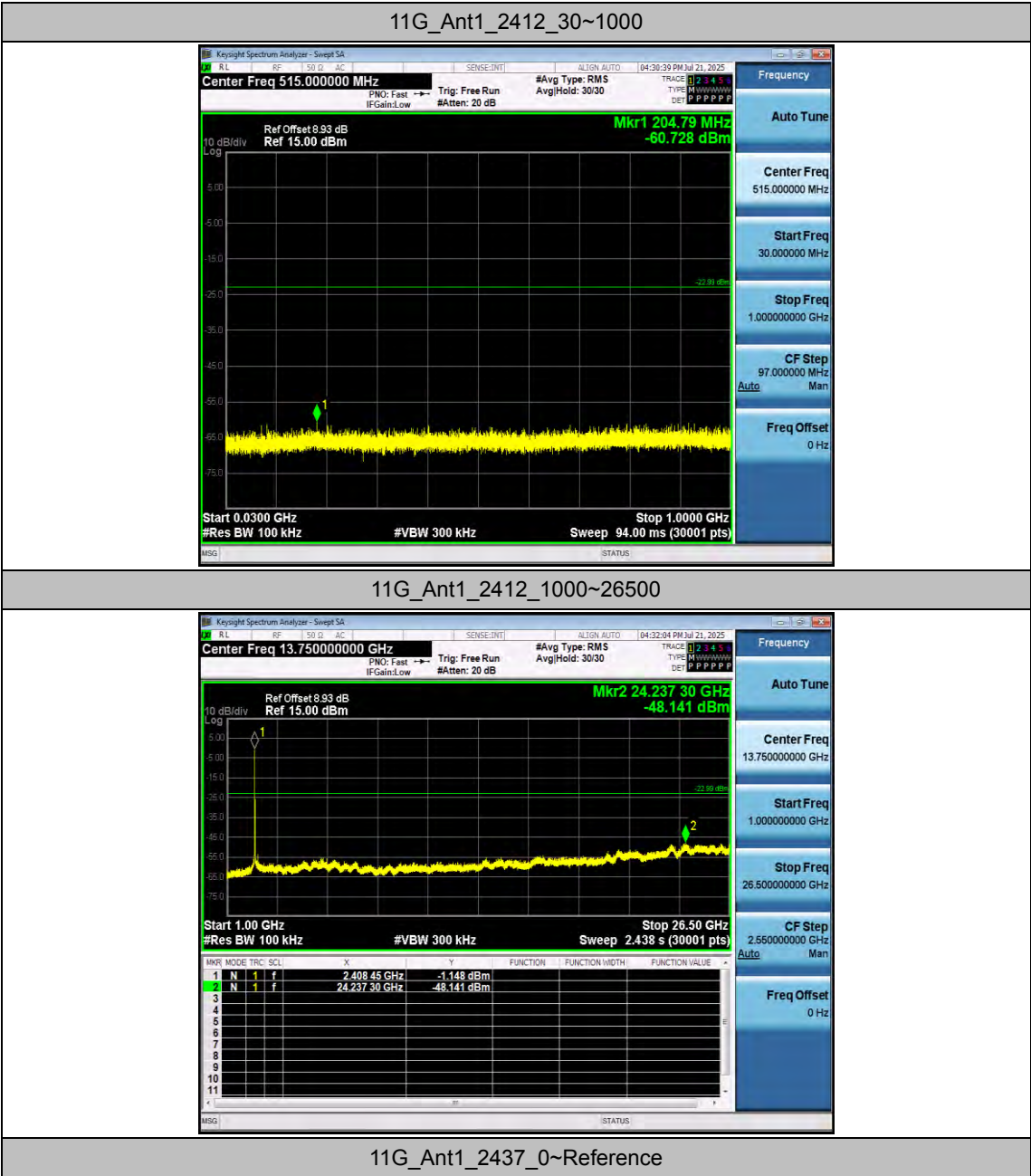


11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



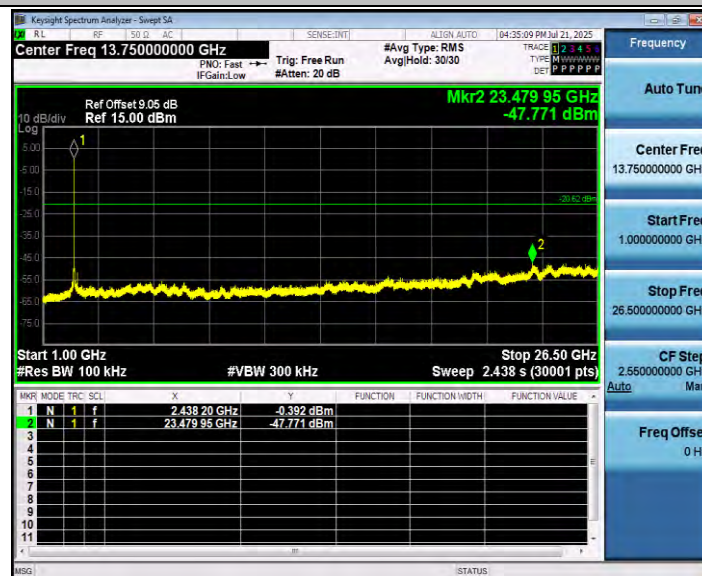




11G_Ant1_2437_30~1000



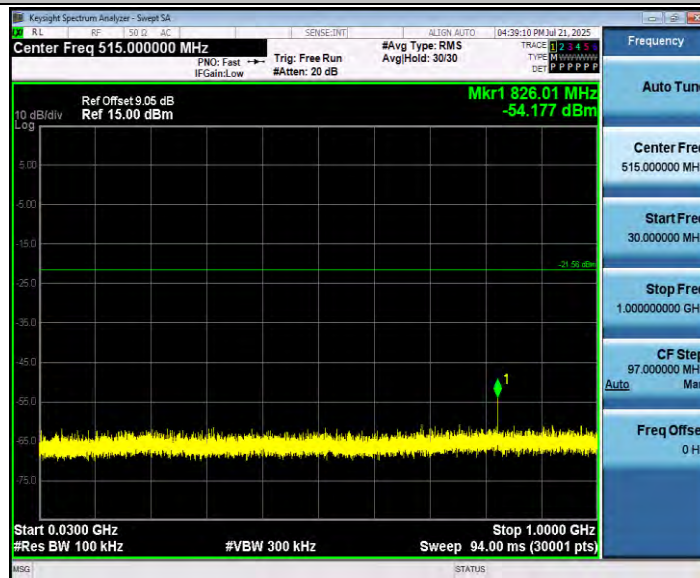
11G_Ant1_2437_1000~26500



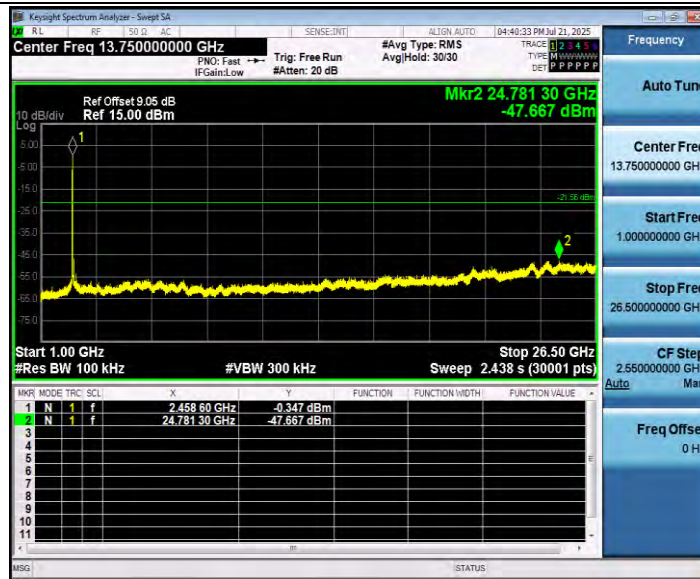
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



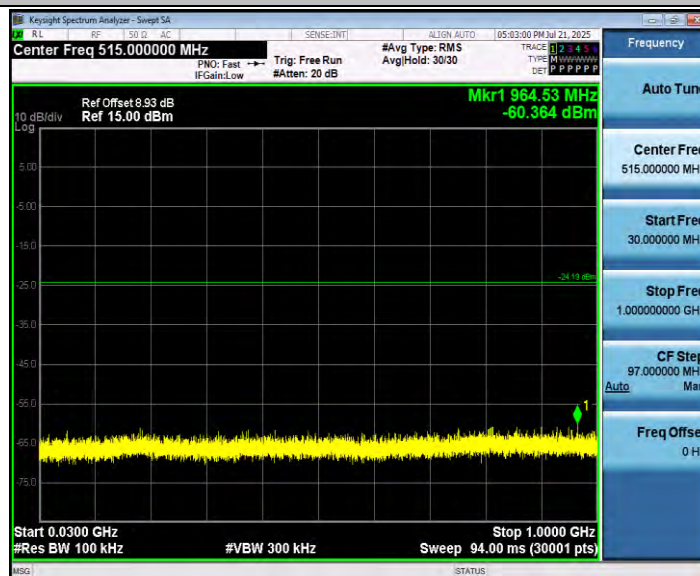
11G_Ant1_2462_1000~26500



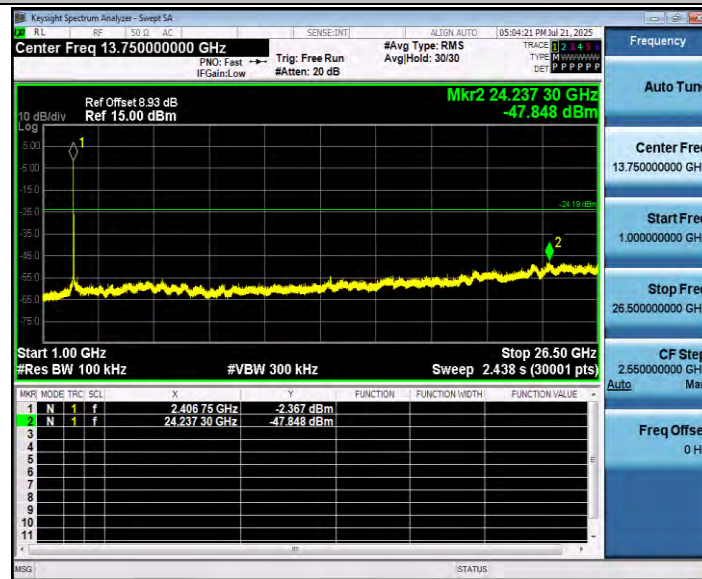
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



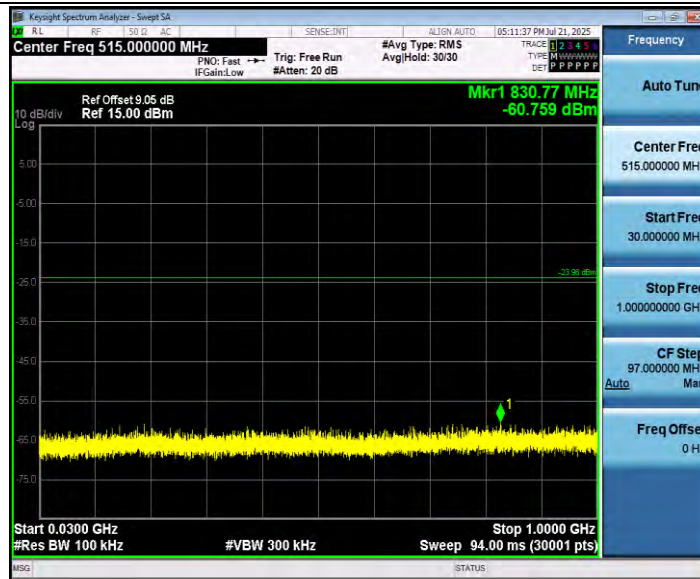
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

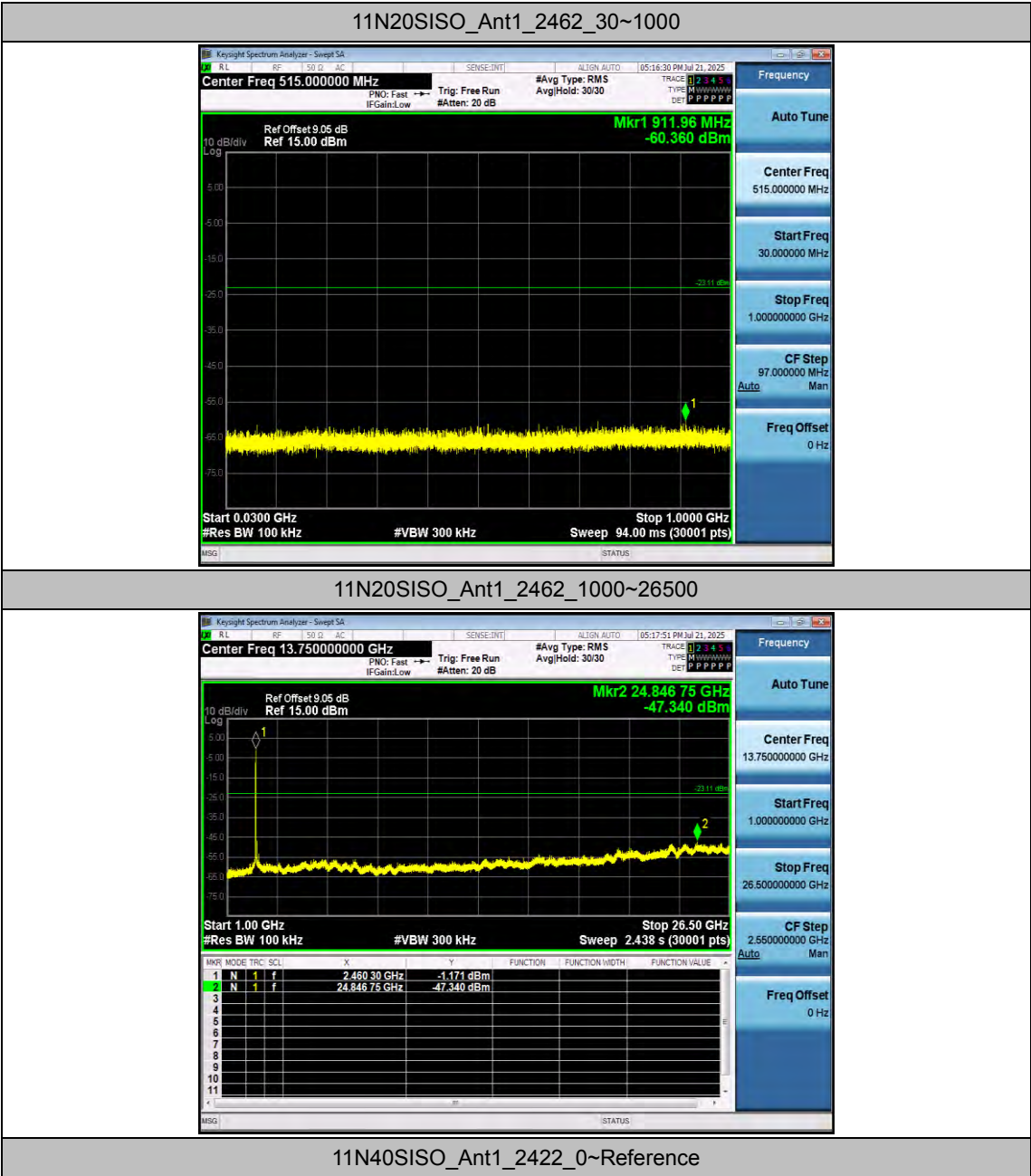


11N20SISO_Ant1_2437_1000~26500



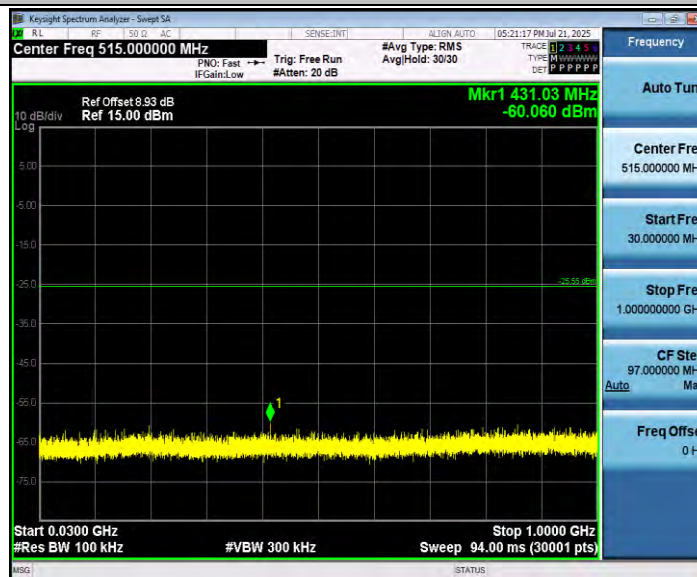
11N20SISO_Ant1_2462_0~Reference



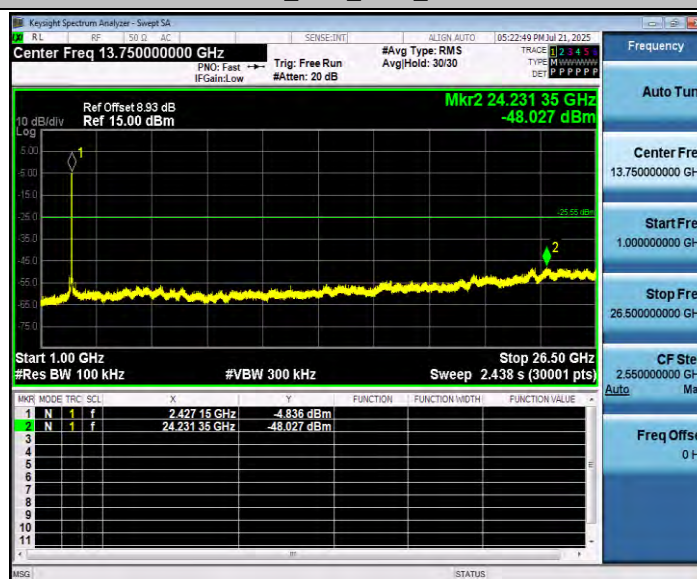




11N40SISO_Ant1_2422_30~1000



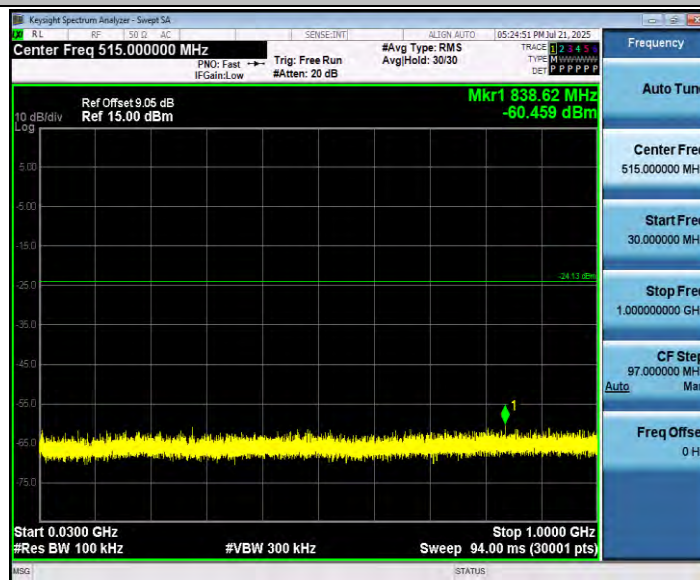
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



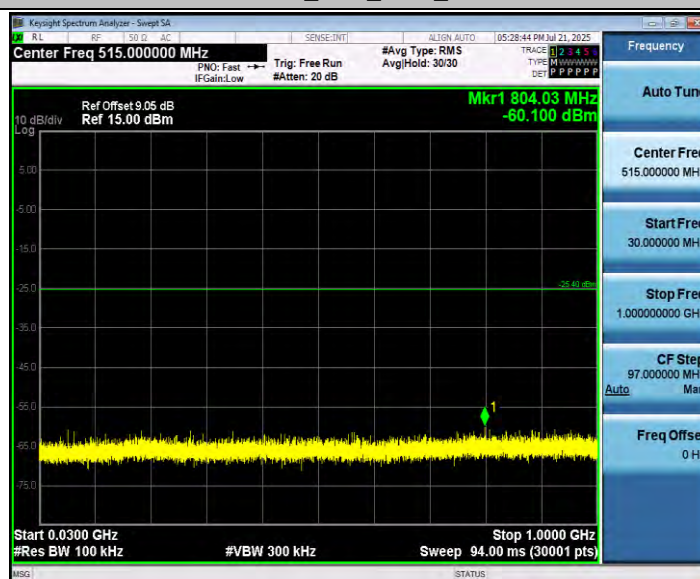
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



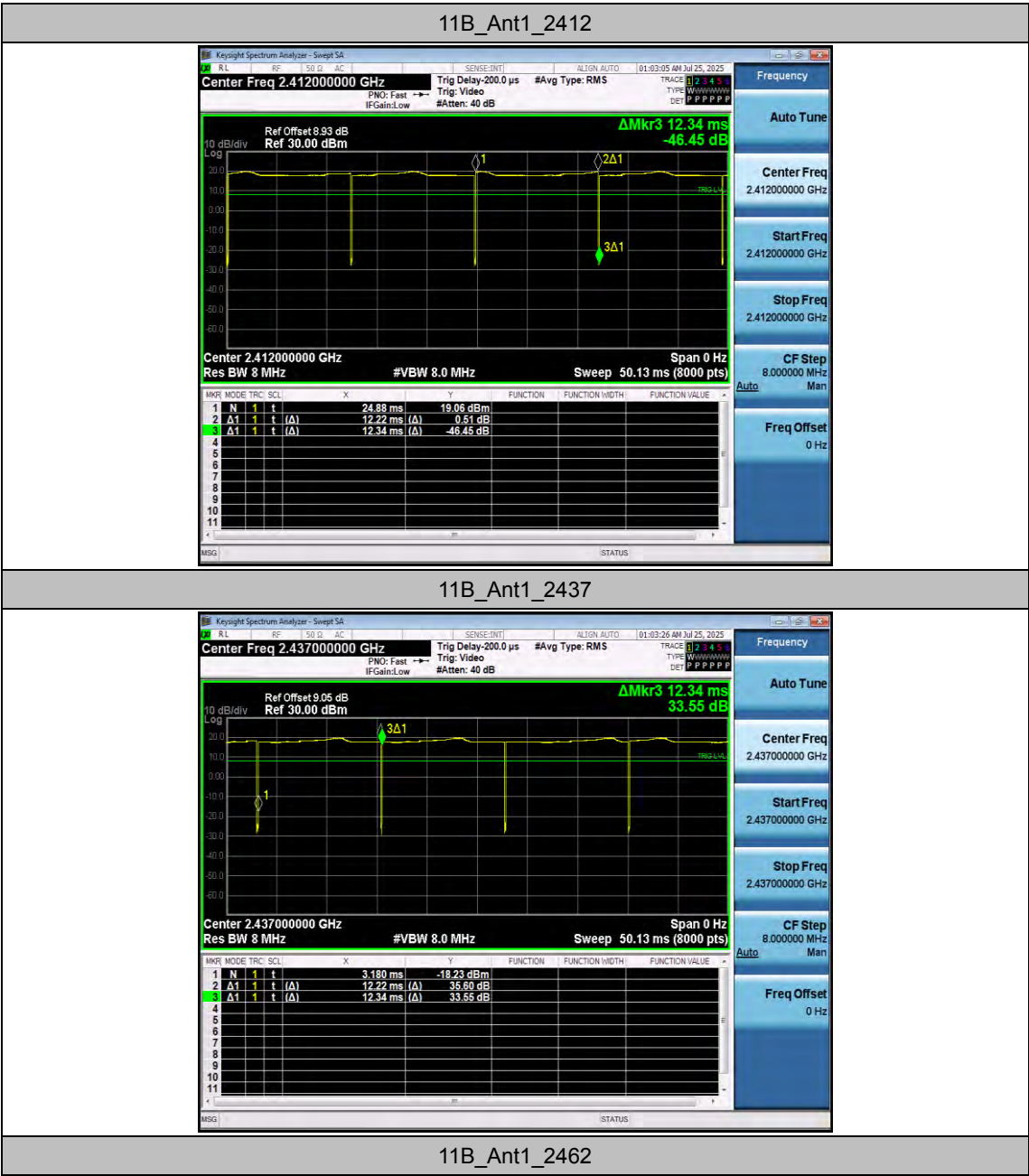


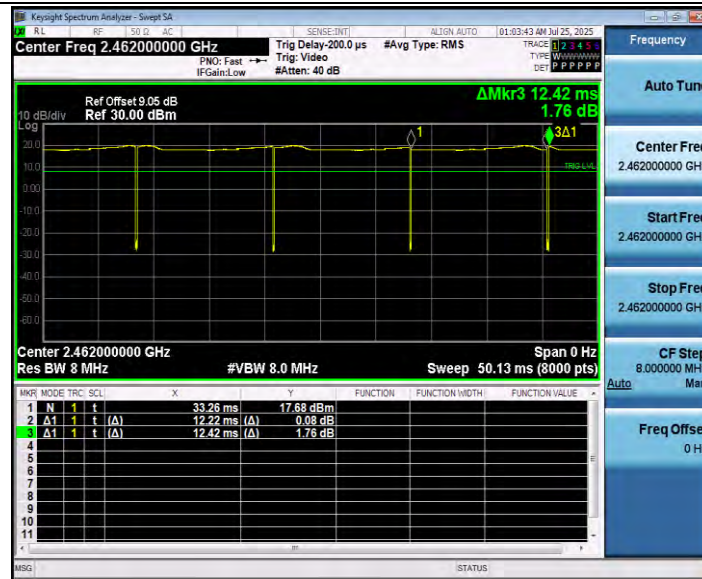
Appendix C.7: Duty Cycle

Test Result

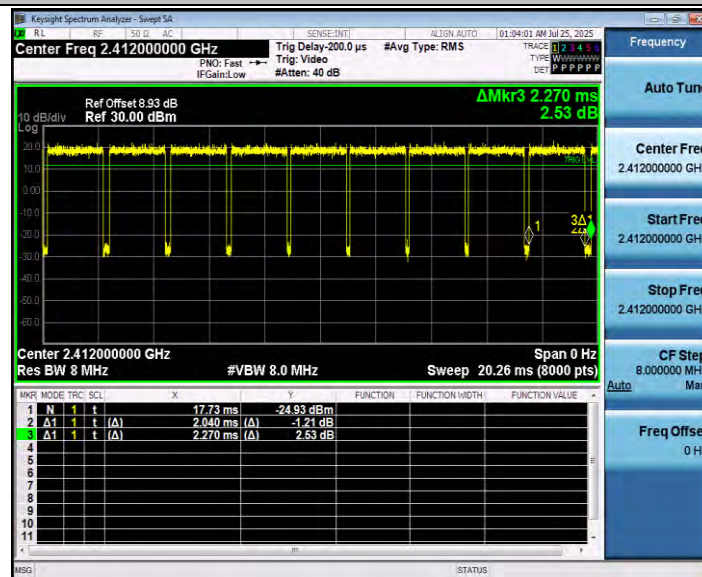
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	12.22	12.34	99.03	0.04	0.08
		2437	12.22	12.34	99.03	0.04	0.08
		2462	12.22	12.42	98.39	0.07	0.08
11G	Ant1	2412	2.04	2.27	89.87	0.46	0.49
		2437	1.39	1.44	96.53	0.13	0.49
		2462	2.03	2.26	89.82	0.47	0.49
11N20SISO	Ant1	2412	1.89	2.09	90.43	0.44	0.53
		2437	1.89	2.12	89.15	0.50	0.53
		2462	1.90	2.07	91.79	0.37	0.53
11N40SISO	Ant1	2422	0.93	1.15	80.87	0.92	1.08
		2437	0.94	1.59	59.12	2.28	1.06
		2452	0.94	1.36	69.12	1.60	1.06

Test Graphs

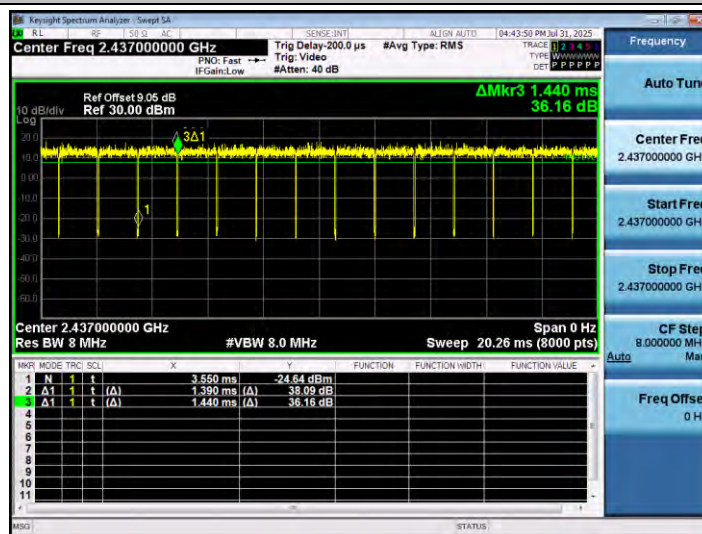




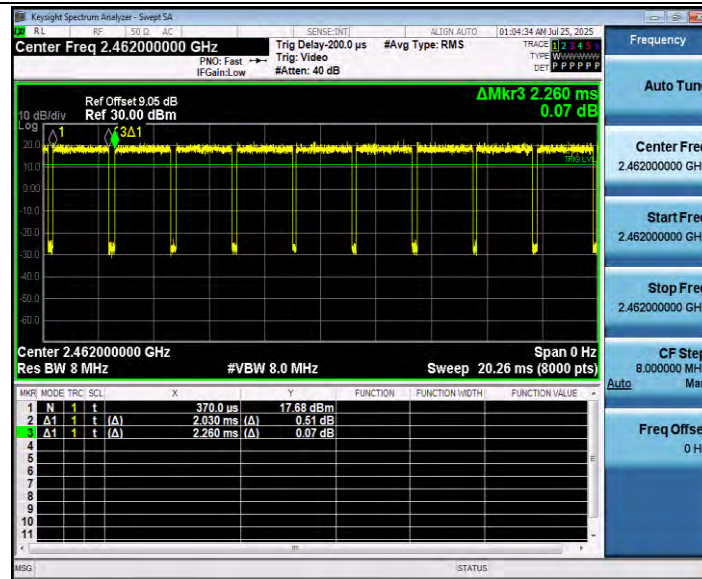
11G_Ant1_2412



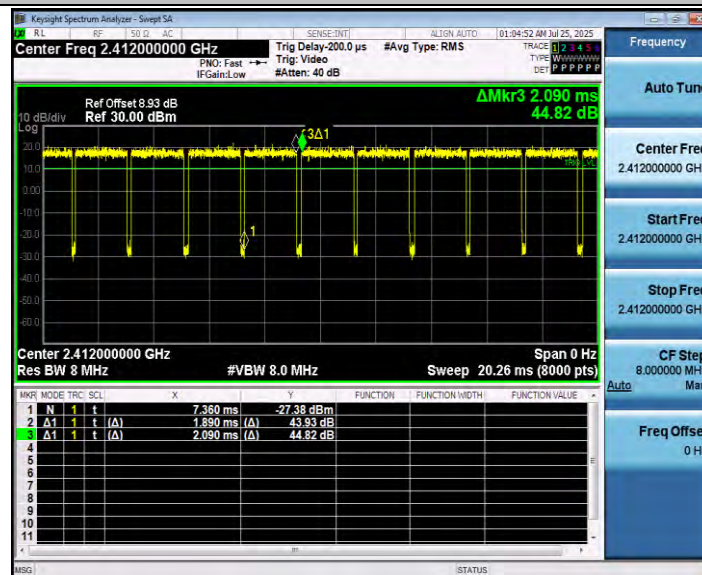
11G_Ant1_2437



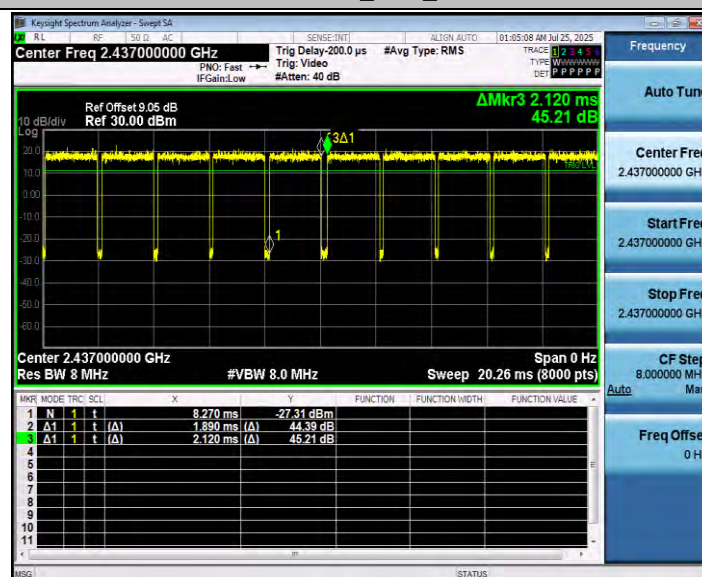
11G_Ant1_2462



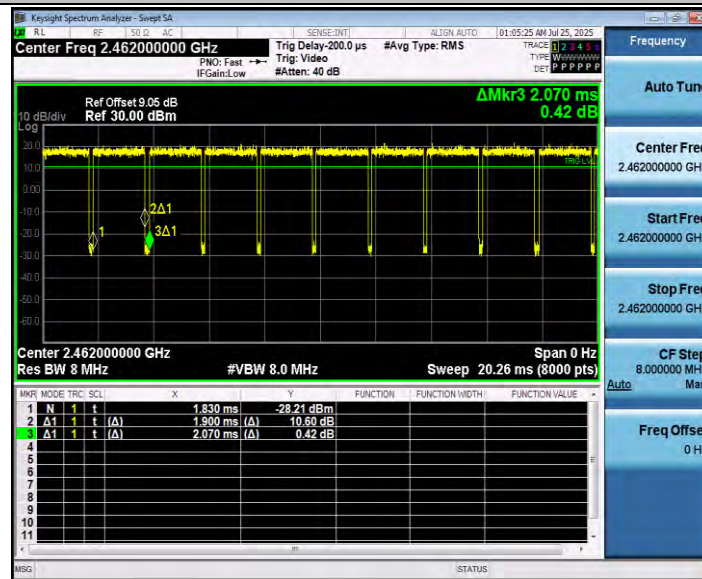
11N20SISO_Ant1_2412



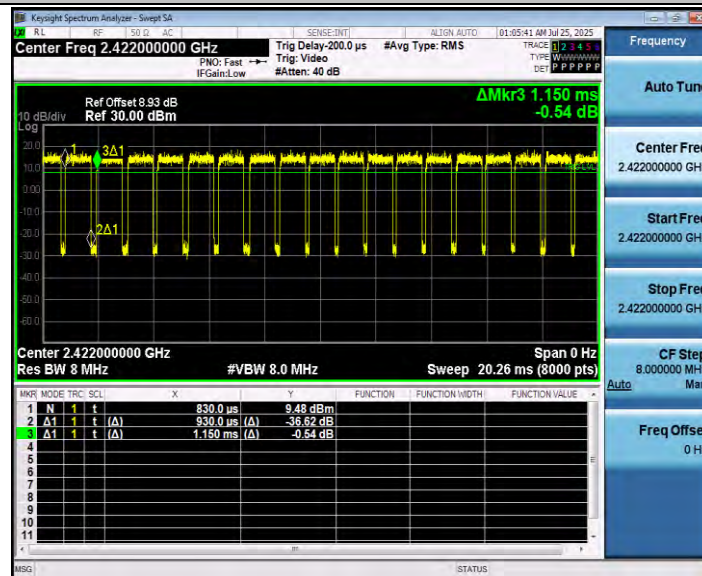
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437

