

Case No. : <u>GTS20250708005-2-03</u>	
Ambient Condition: <u>23</u> °C, <u>54</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	Ant0	2412	8.080	2407.960	2416.040	0.5	PASS
		2437	8.120	2432.960	2441.080	0.5	PASS
		2462	8.040	2457.960	2466.000	0.5	PASS
11G	Ant0	2412	15.360	2404.240	2419.600	0.5	PASS
		2437	14.640	2429.880	2444.520	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11N20SISO	Ant0	2412	16.480	2403.880	2420.360	0.5	PASS
		2437	14.000	2429.520	2443.520	0.5	PASS
		2462	15.680	2454.240	2469.920	0.5	PASS
11N40SISO	Ant0	2422	35.120	2404.480	2439.600	0.5	PASS
		2437	33.840	2420.680	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs

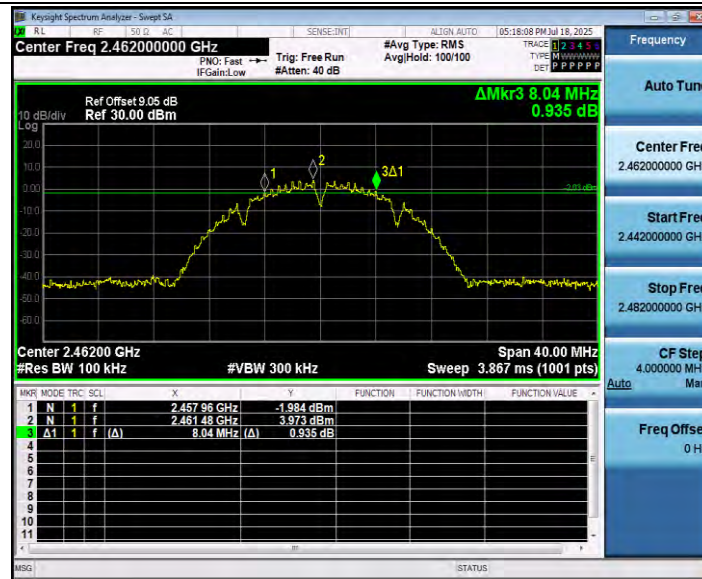
11B_Ant0_2412



11B_Ant0_2437



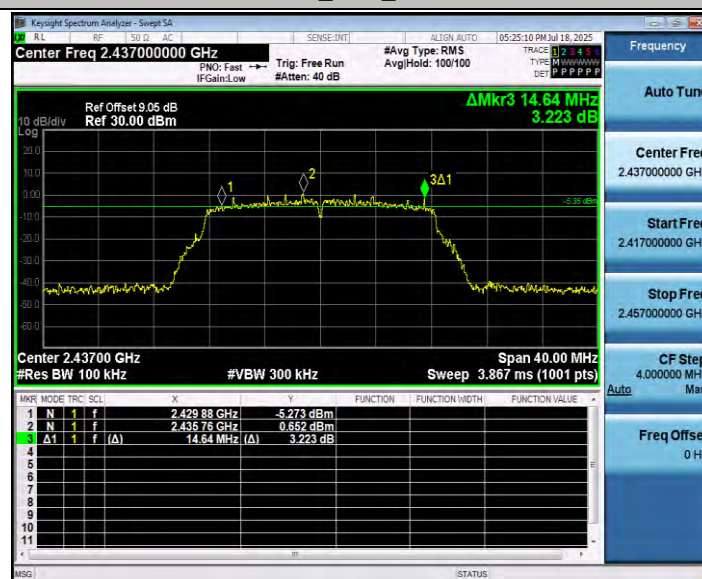
11B_Ant0_2462



11G_Ant0_2412



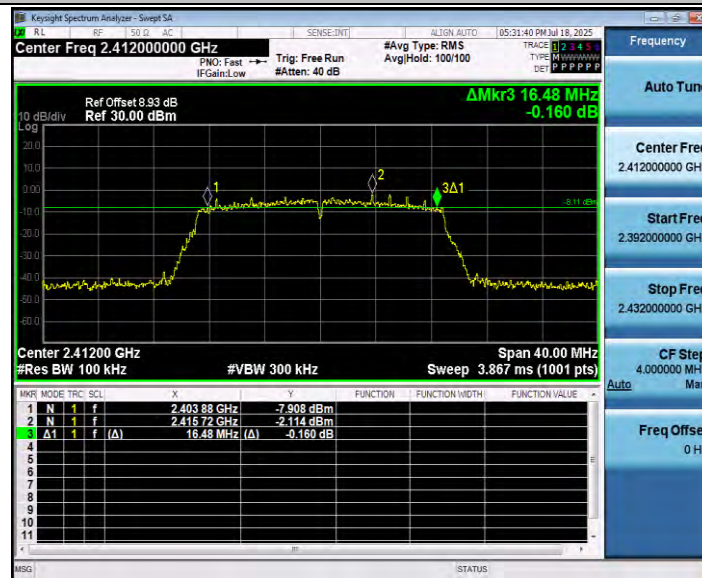
11G_Ant0_2437



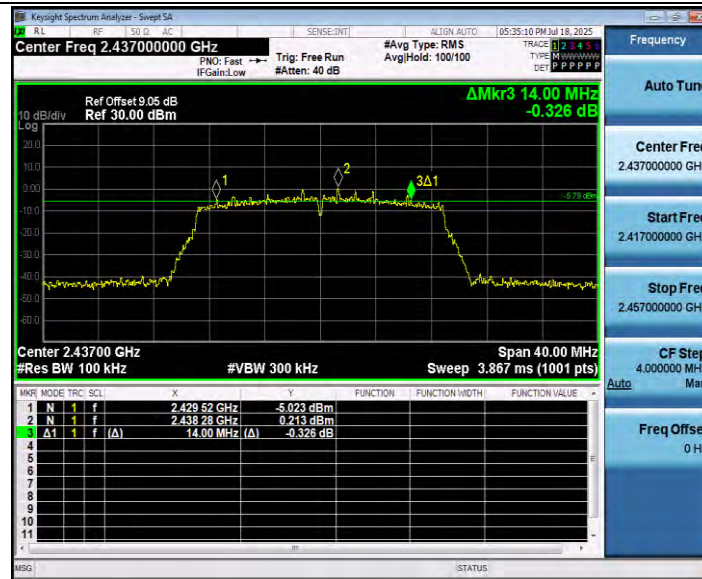
11G_Ant0_2462



11N20SISO_Ant0_2412



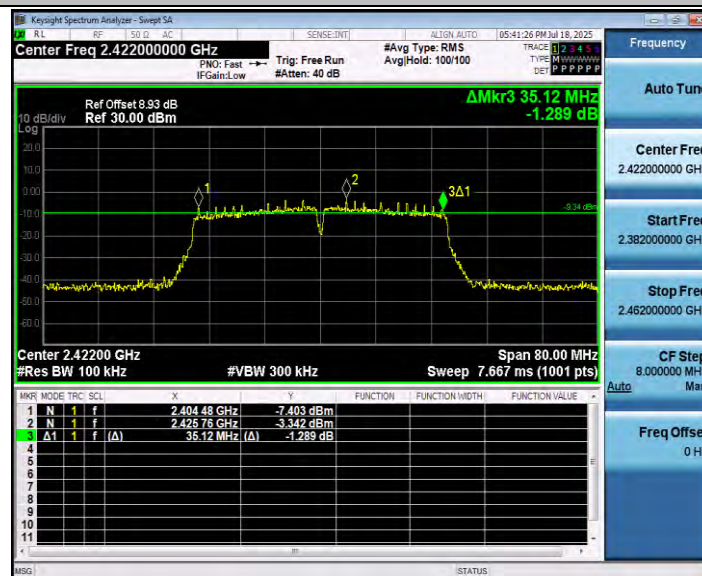
11N20SISO_Ant0_2437



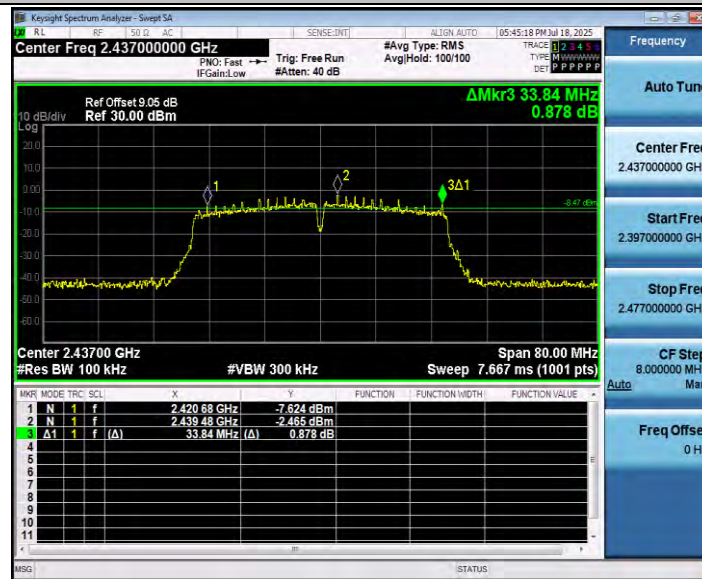
11N20SISO_Ant0_2462



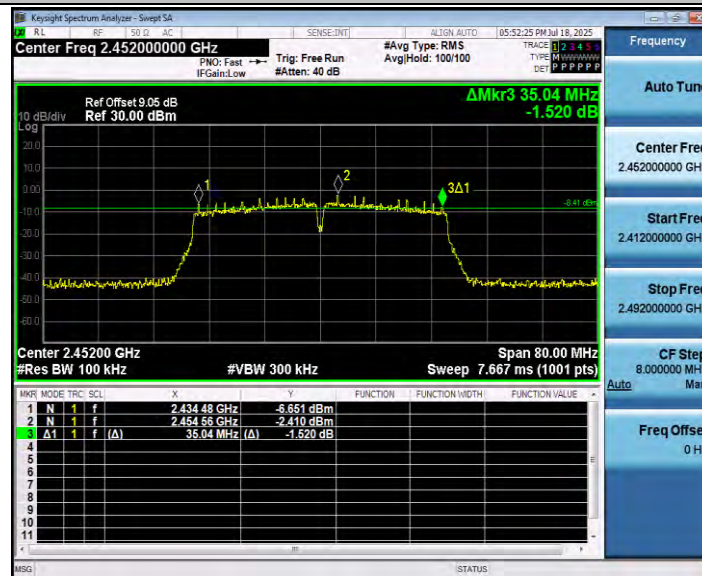
11N40SISO_Ant0_2422



11N40SISO_Ant0_2437



11N40SISO_Ant0_2452



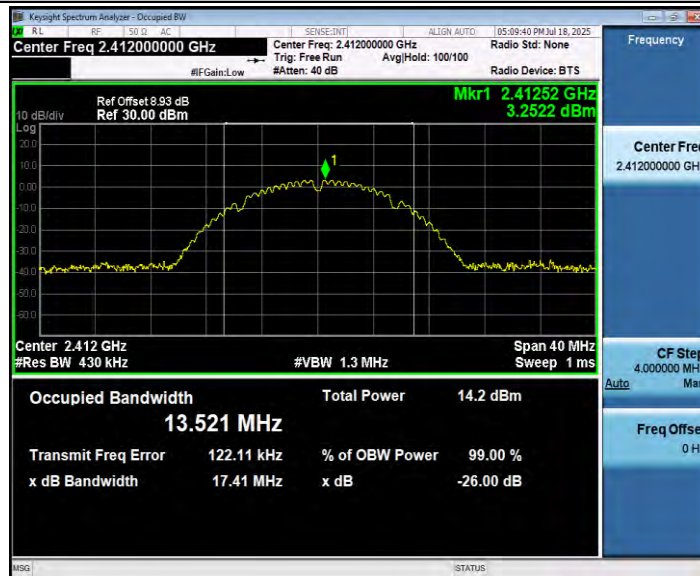
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	13.521	2405.3616	2418.8826	---	---
		2437	13.396	2430.3660	2443.7620	---	---
		2462	13.388	2455.3408	2468.7288	---	---
11G	Ant0	2412	16.835	2403.6143	2420.4493	---	---
		2437	16.756	2428.6418	2445.3978	---	---
		2462	16.766	2453.6275	2470.3935	---	---
11N20SISO	Ant0	2412	17.823	2403.1172	2420.9402	---	---
		2437	17.881	2428.1178	2445.9988	---	---
		2462	17.808	2453.1011	2470.9091	---	---
11N40SISO	Ant0	2422	36.213	2403.9847	2440.1977	---	---
		2437	36.064	2419.0220	2455.0860	---	---
		2452	36.071	2433.9907	2470.0617	---	---

Test Graphs

11B_Ant0_2412



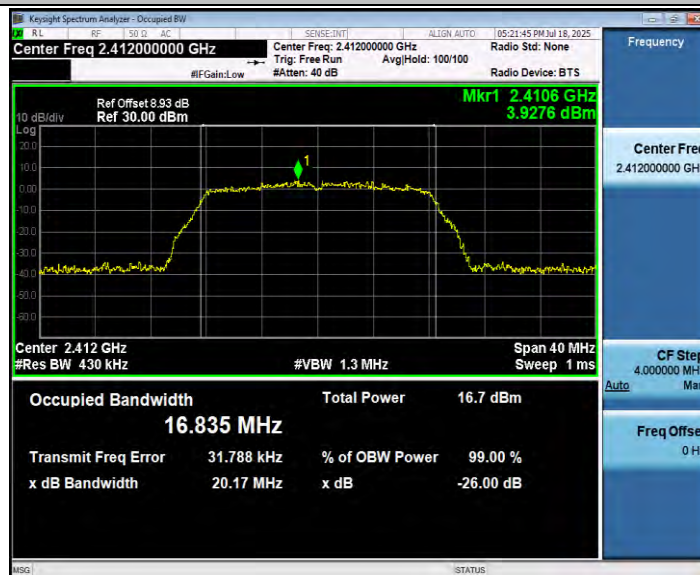
11B_Ant0_2437



11B_Ant0_2462



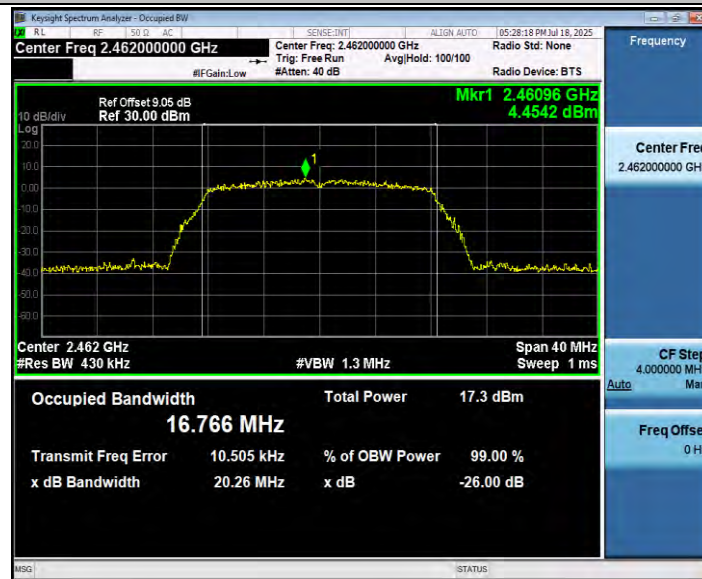
11G_Ant0_2412



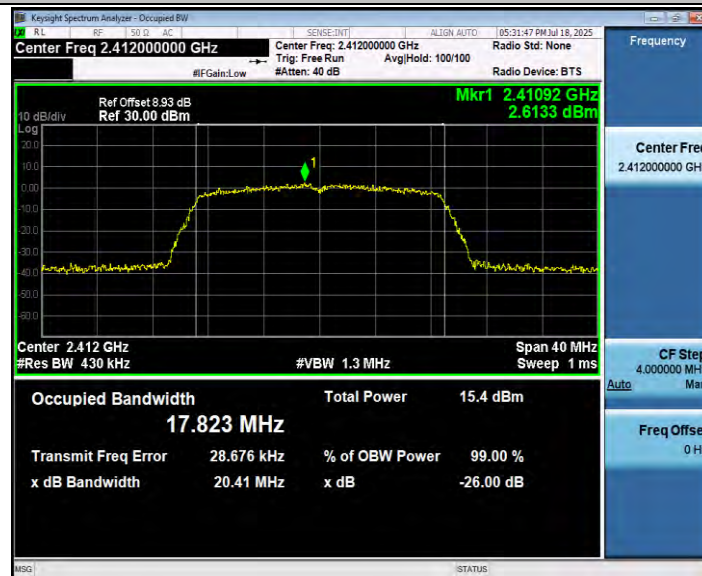
11G_Ant0_2437



11G_Ant0_2462



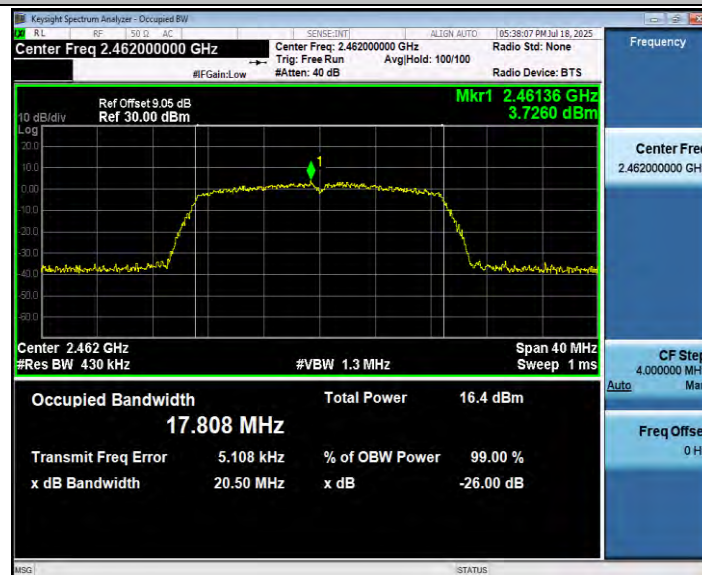
11N20SISO_Ant0_2412



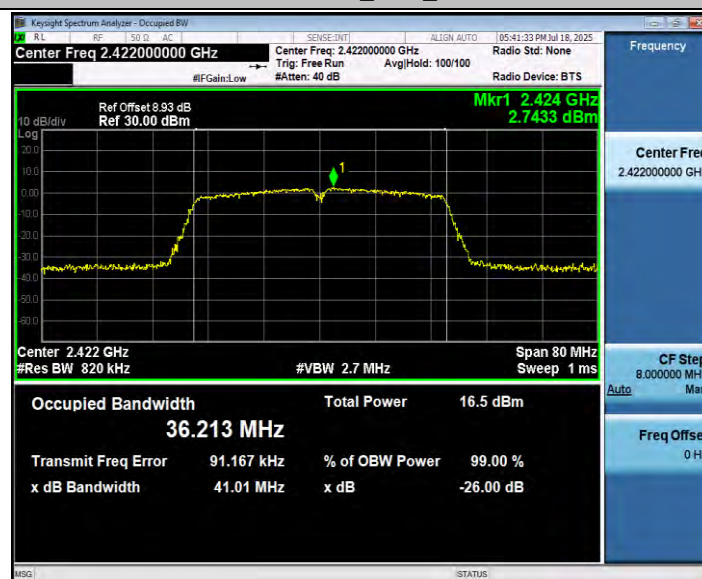
11N20SISO_Ant0_2437



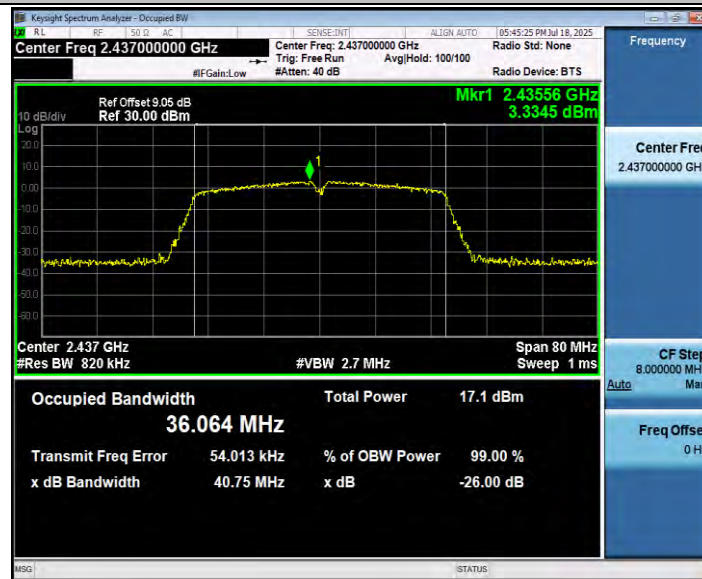
11N20SISO_Ant0_2462



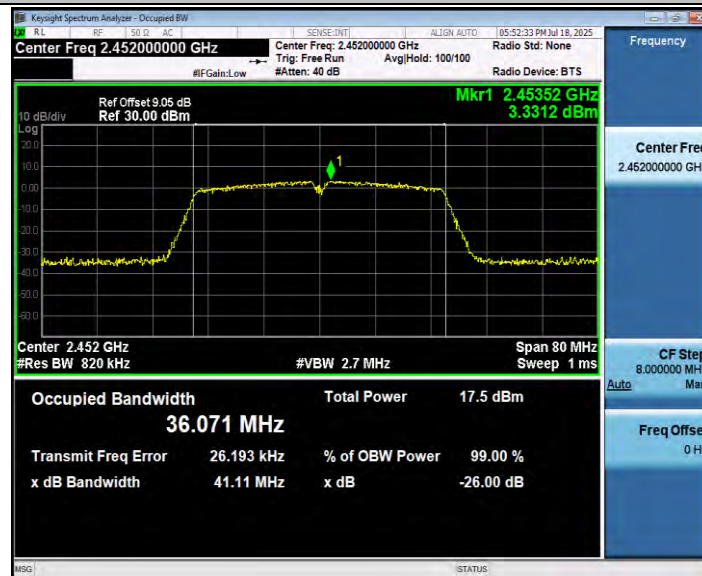
11N40SISO_Ant0_2422



11N40SISO_Ant0_2437



11N40SISO_Ant0_2452



Appendix C.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	14.27	≤30.00	PASS
		2437	15.27	≤30.00	PASS
		2462	15.26	≤30.00	PASS
11G	Ant0	2412	17.77	≤30.00	PASS
		2437	18.43	≤30.00	PASS
		2462	18.78	≤30.00	PASS
11N20SISO	Ant0	2412	16.66	≤30.00	PASS
		2437	17.12	≤30.00	PASS
		2462	17.73	≤30.00	PASS
11N40SISO	Ant0	2422	16.83	≤30.00	PASS
		2437	17.43	≤30.00	PASS
		2452	17.69	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

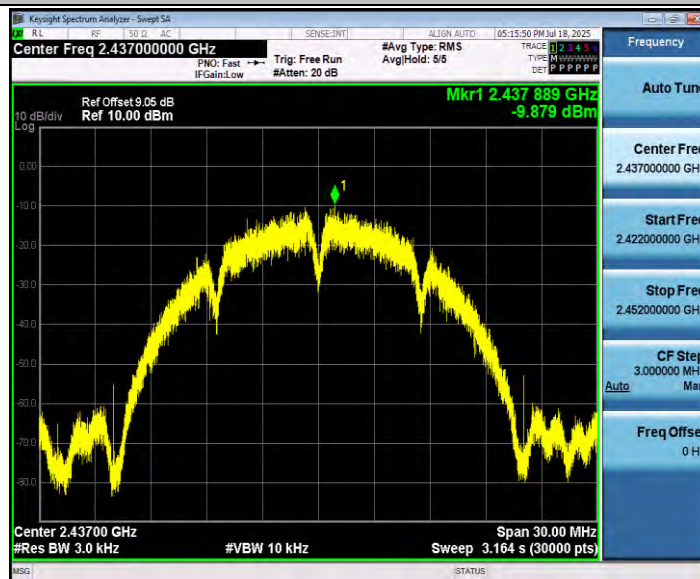
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-11.75	≤8.00	PASS
		2437	-9.88	≤8.00	PASS
		2462	-11.75	≤8.00	PASS
11G	Ant0	2412	-14.54	≤8.00	PASS
		2437	-13.32	≤8.00	PASS
		2462	-12.51	≤8.00	PASS
11N20SISO	Ant0	2412	-15.03	≤8.00	PASS
		2437	-13.26	≤8.00	PASS
		2462	-13.58	≤8.00	PASS
11N40SISO	Ant0	2422	-17.10	≤8.00	PASS
		2437	-17.21	≤8.00	PASS
		2452	-16.95	≤8.00	PASS

Test Graphs

11B_Ant0_2412



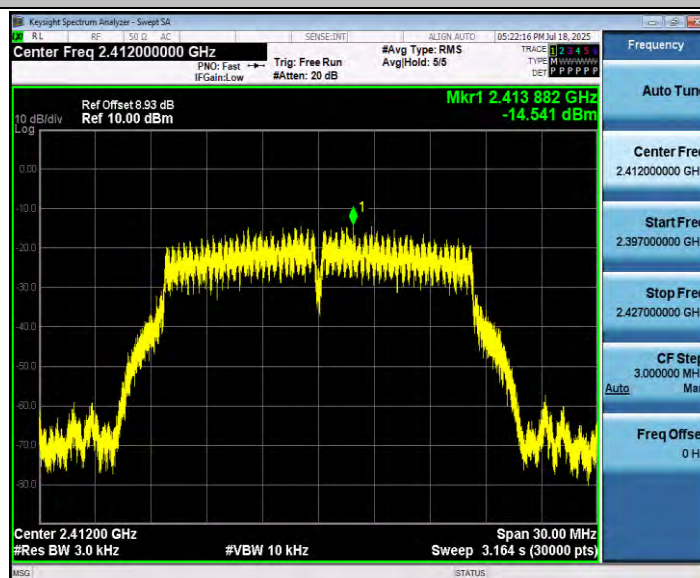
11B_Ant0_2437



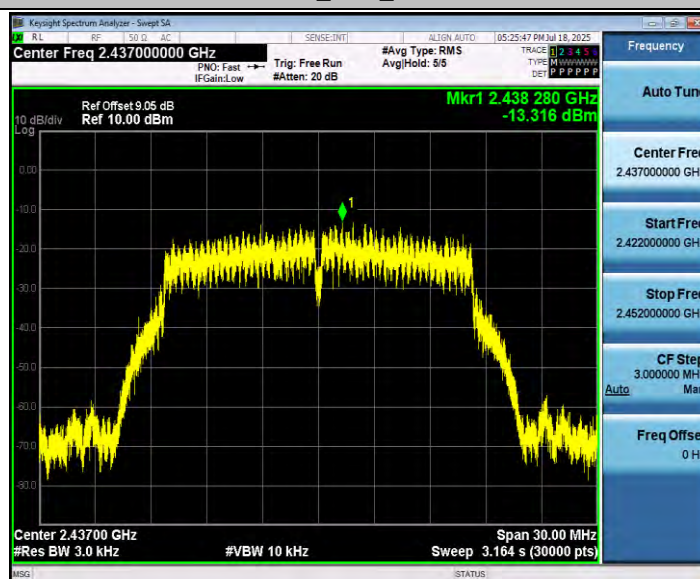
11B_Ant0_2462



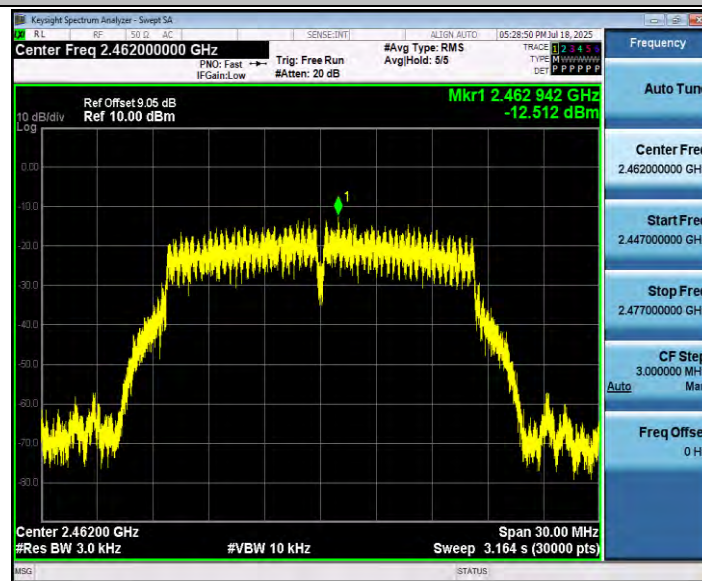
11G_Ant0_2412



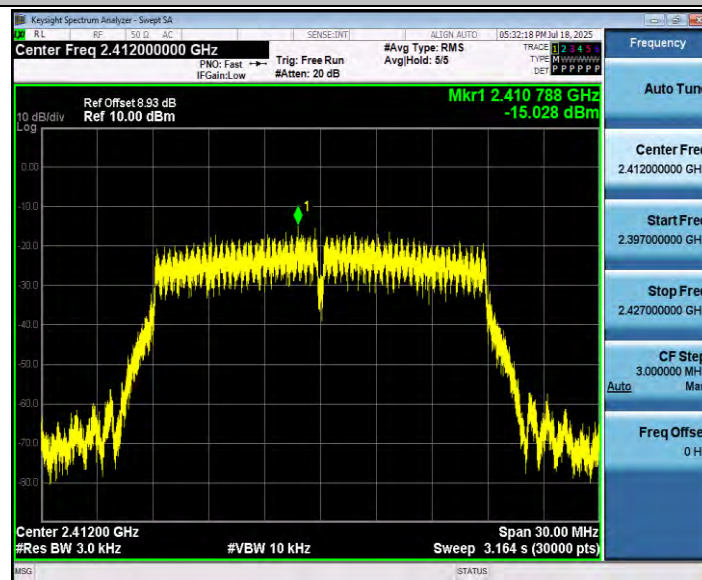
11G_Ant0_2437



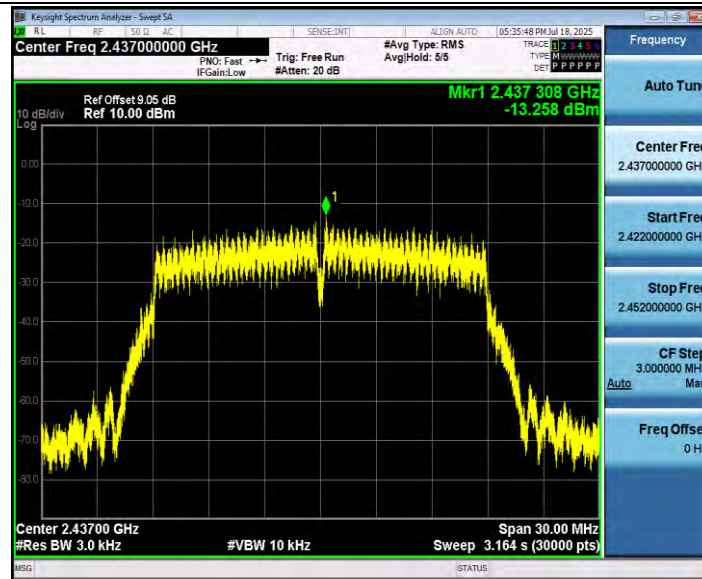
11G_Ant0_2462



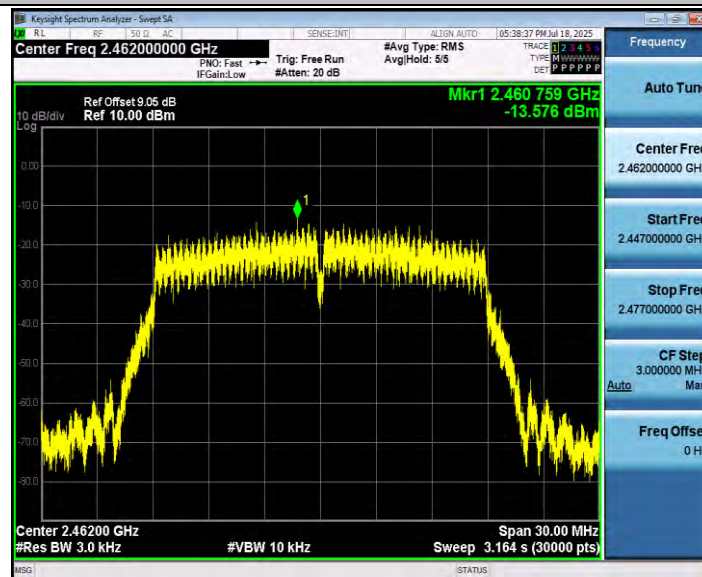
11N20SISO_Ant0_2412



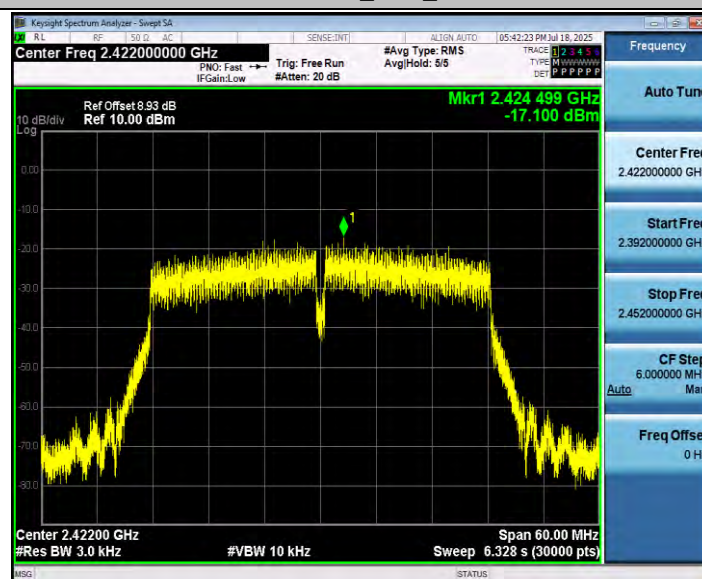
11N20SISO_Ant0_2437



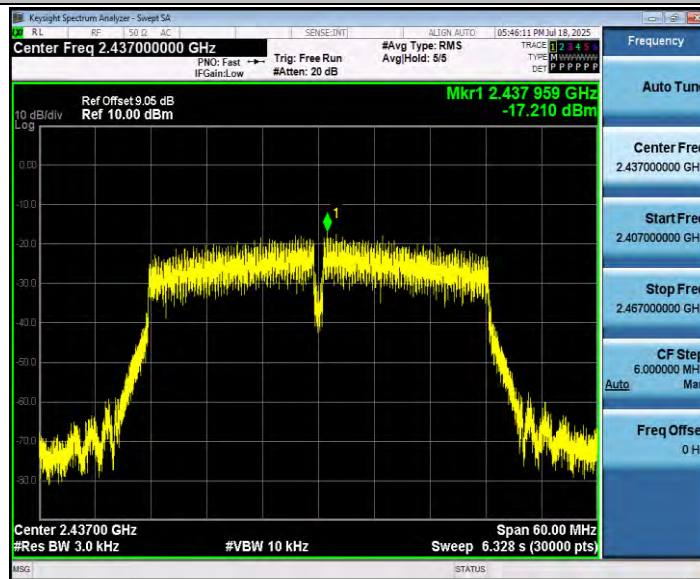
11N20SISO_Ant0_2462



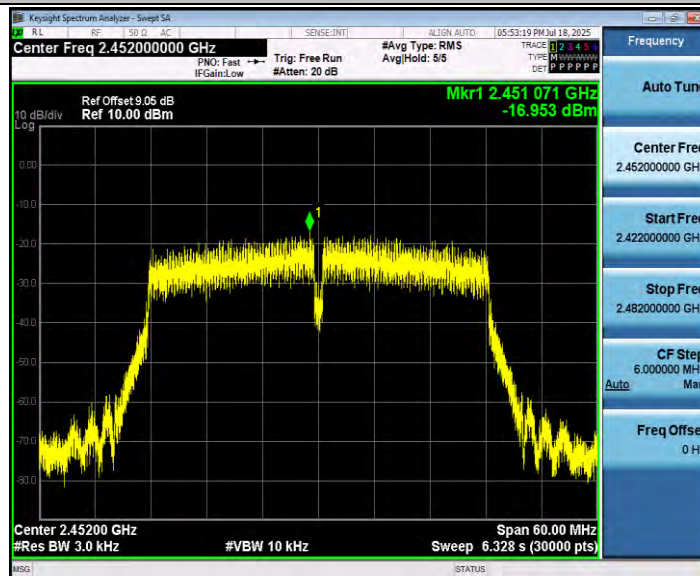
11N40SISO_Ant0_2422



11N40SISO_Ant0_2437



11N40SISO_Ant0_2452

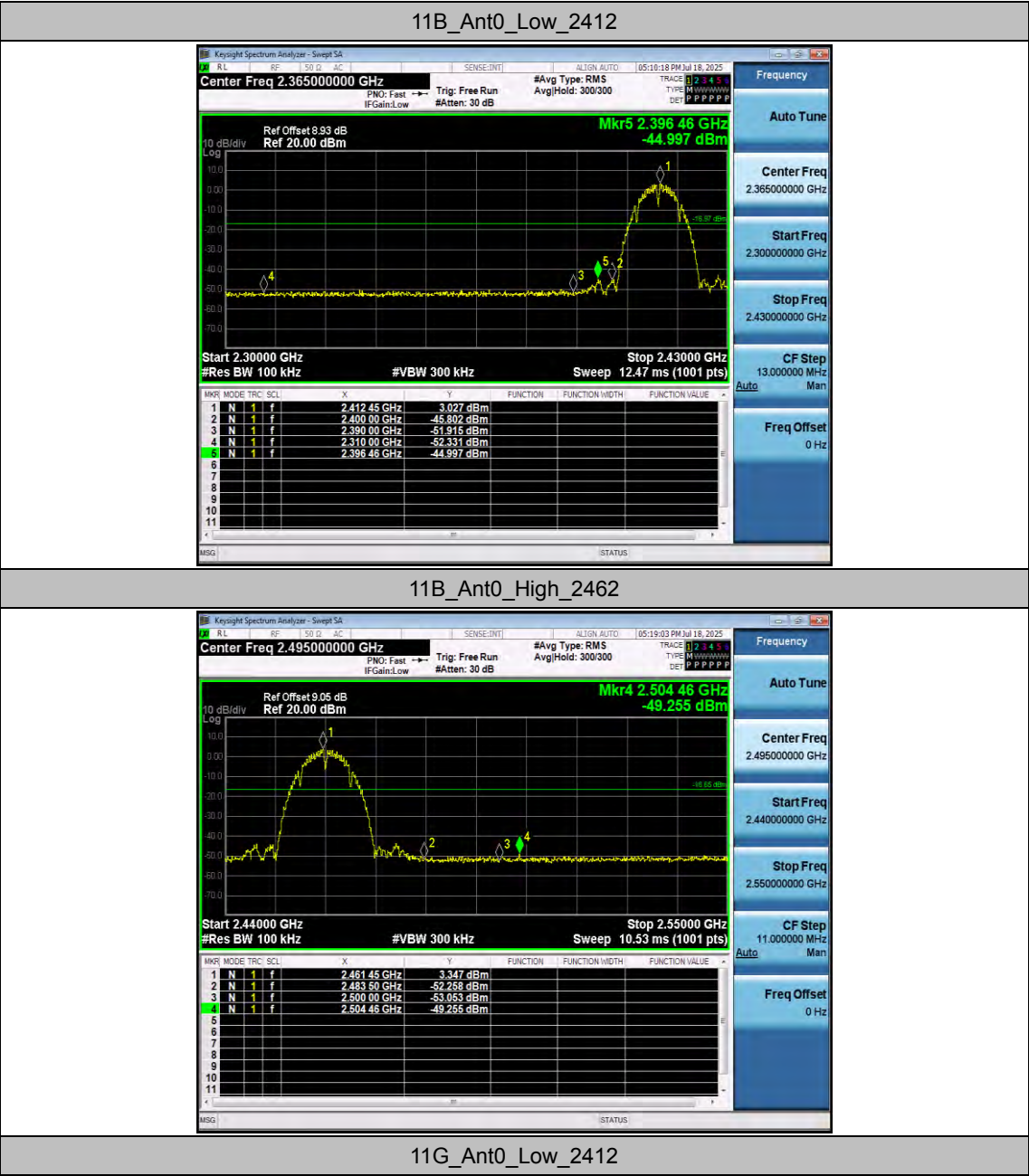


Appendix C.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	3.03	-45	≤ -16.97	PASS
		High	2462	3.35	-49.26	≤ -16.65	PASS
11G	Ant0	Low	2412	-0.26	-44.13	≤ -20.26	PASS
		High	2462	1.38	-49.42	≤ -18.62	PASS
11N20SISO	Ant0	Low	2412	-0.59	-44.96	≤ -20.59	PASS
		High	2462	0.49	-48.48	≤ -19.51	PASS
11N40SISO	Ant0	Low	2422	-3.20	-42.7	≤ -23.2	PASS
		High	2452	-2.28	-48.91	≤ -22.28	PASS

Test Graphs



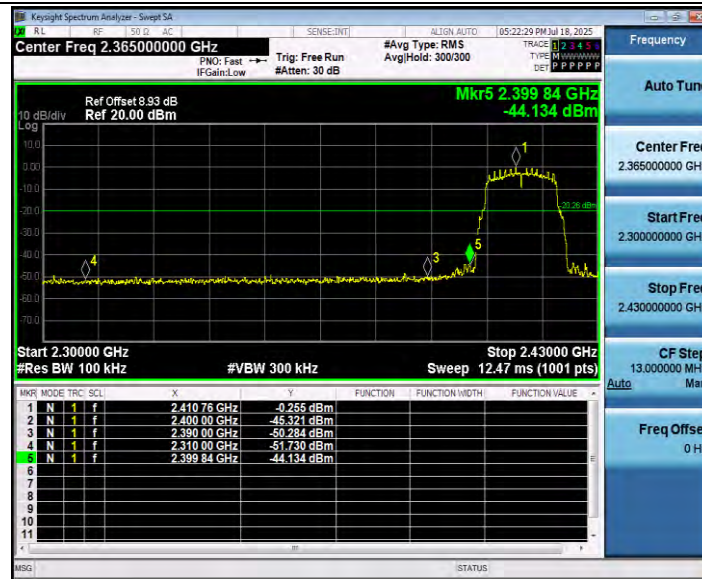
11B_Ant0_High_2462

Frequency

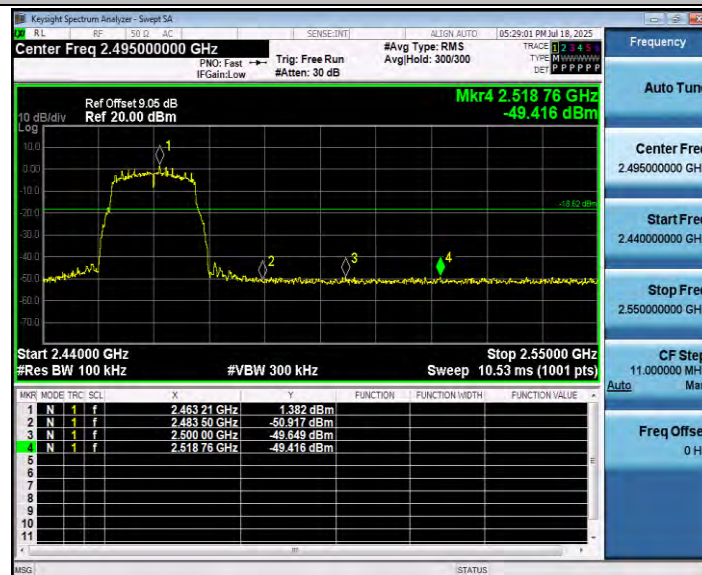
Auto Tune

Center Freq
2.495000000 GHzStart Freq
2.440000000 GHzStop Freq
2.550000000 GHzCF Step
11.000000 MHz
Auto ManFreq Offset
0 Hz

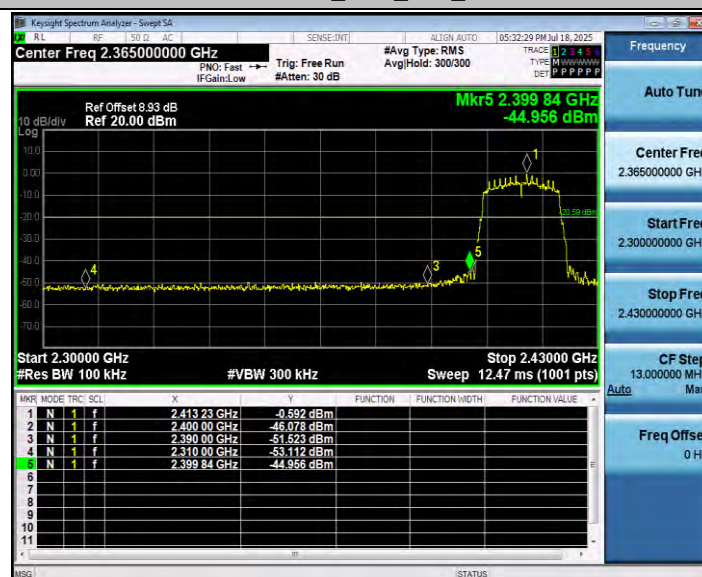
11G_Ant0_Low_2412



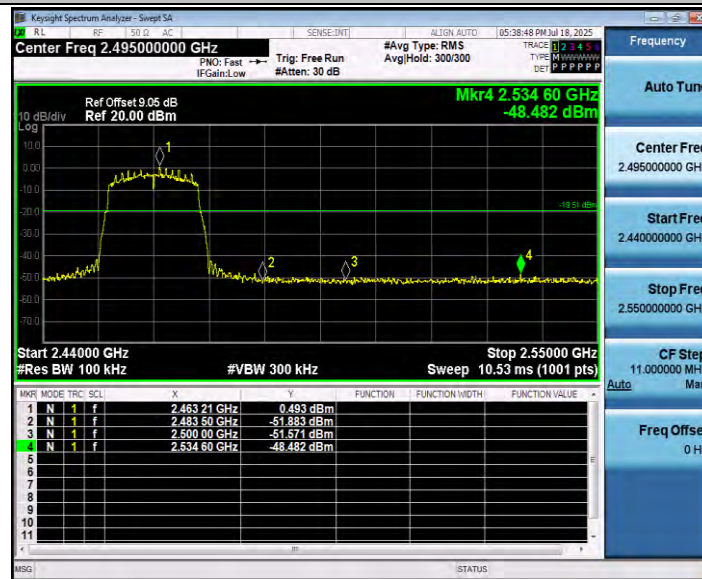
11G_Ant0_High_2462



11N20SISO_Ant0_Low_2412



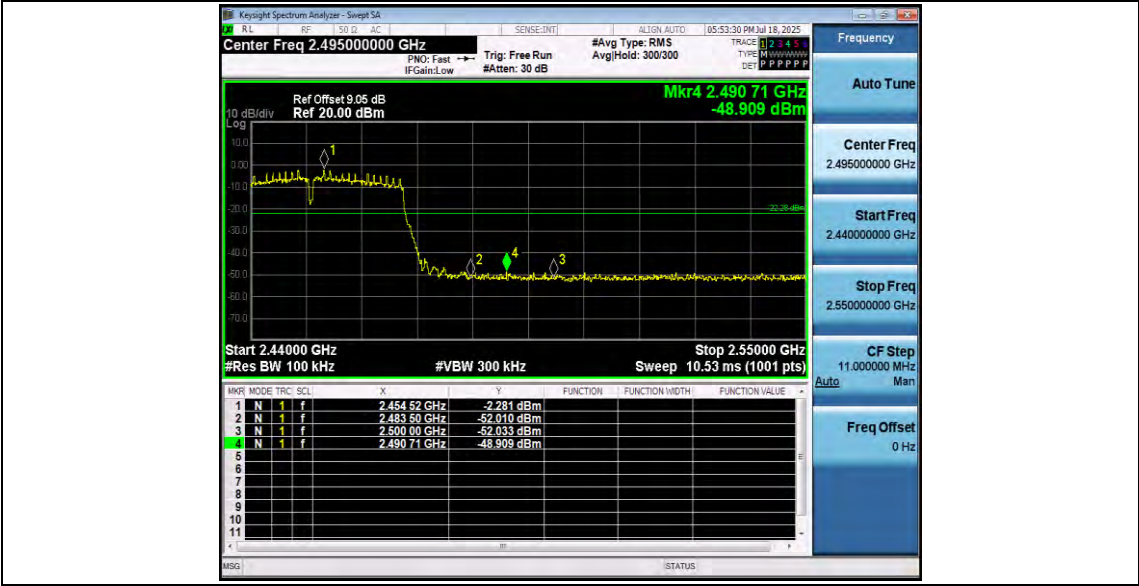
11N20SISO_Ant0_High_2462



11N40SISO_Ant0_Low_2422



11N40SISO_Ant0_High_2452

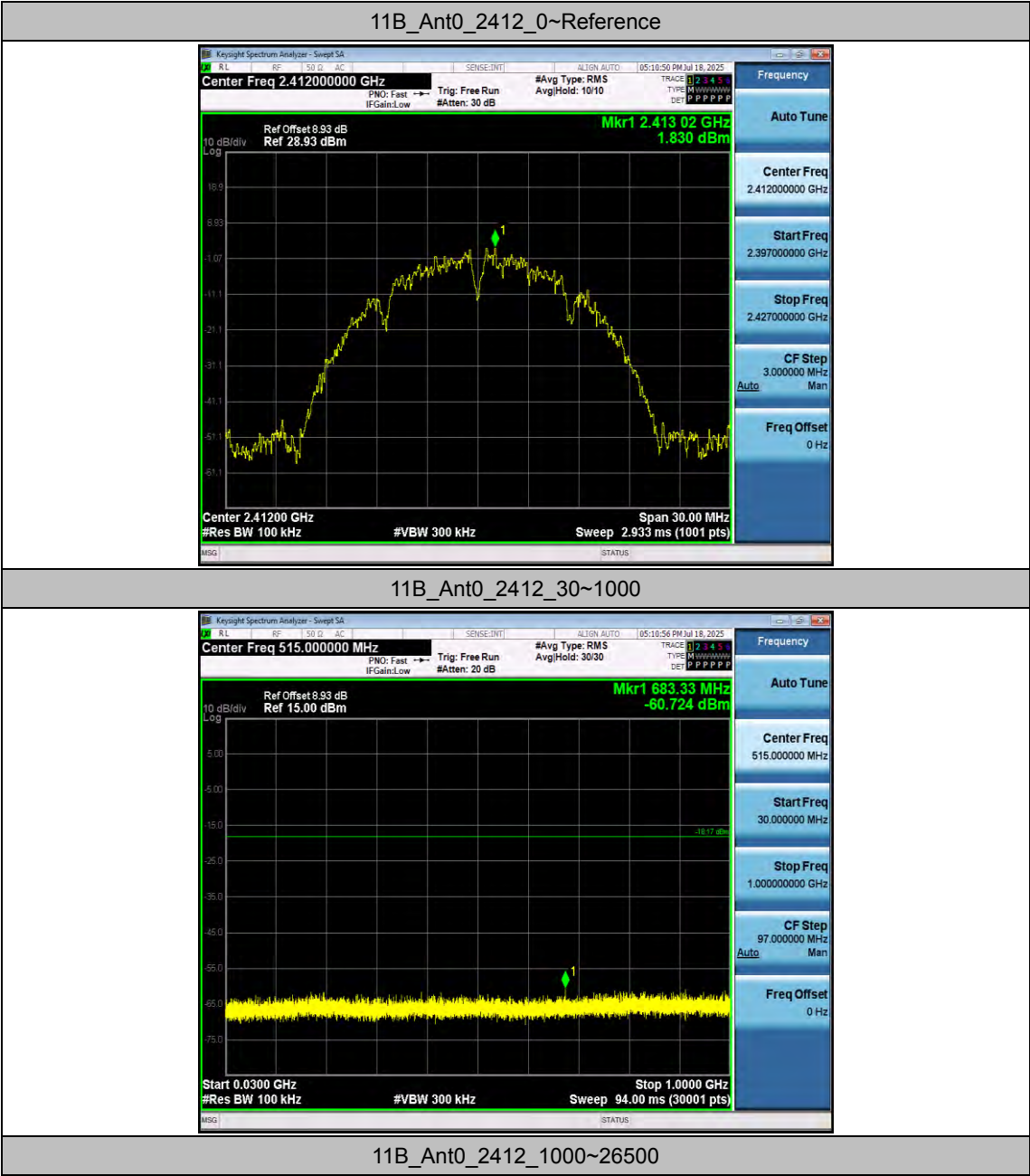


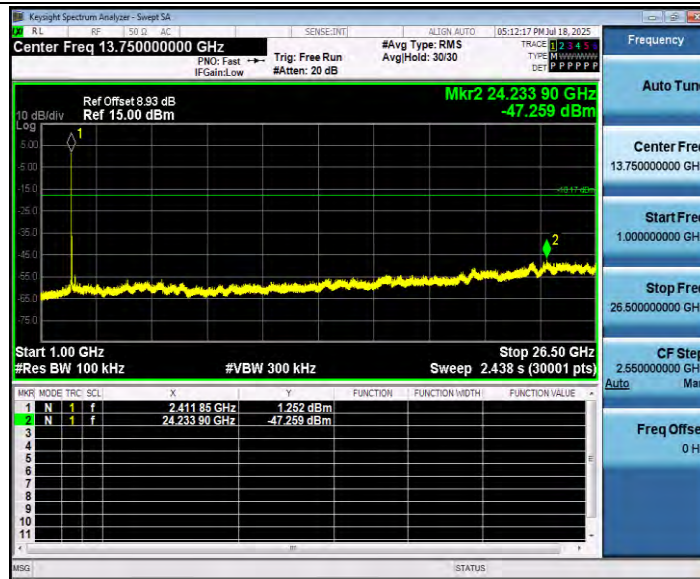
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	1.83	1.83	---	PASS
			30~1000	1.83	-60.72	≤ -18.17	PASS
			1000~26500	1.83	-47.26	≤ -18.17	PASS
		2437	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-60.81	≤ -17.2	PASS
			1000~26500	2.80	-43.62	≤ -17.2	PASS
		2462	Reference	2.61	2.61	---	PASS
			30~1000	2.61	-60.6	≤ -17.39	PASS
			1000~26500	2.61	-48.05	≤ -17.39	PASS
11G	Ant0	2412	Reference	-1.59	-1.59	---	PASS
			30~1000	-1.59	-60.1	≤ -21.59	PASS
			1000~26500	-1.59	-45.74	≤ -21.59	PASS
		2437	Reference	-1.96	-1.96	---	PASS
			30~1000	-1.96	-59.26	≤ -21.96	PASS
			1000~26500	-1.96	-48.17	≤ -21.96	PASS
		2462	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-60.59	≤ -18.76	PASS
			1000~26500	1.24	-46.89	≤ -18.76	PASS
11N20SISO	Ant0	2412	Reference	-4.09	-4.09	---	PASS
			30~1000	-4.09	-57.07	≤ -24.09	PASS
			1000~26500	-4.09	-47.63	≤ -24.09	PASS
		2437	Reference	-2.54	-2.54	---	PASS
			30~1000	-2.54	-59.76	≤ -22.54	PASS
			1000~26500	-2.54	-47.74	≤ -22.54	PASS
		2462	Reference	-1.83	-1.83	---	PASS
			30~1000	-1.83	-60.03	≤ -21.83	PASS
			1000~26500	-1.83	-46.8	≤ -21.83	PASS
11N40SISO	Ant0	2422	Reference	-3.40	-3.40	---	PASS
			30~1000	-3.40	-61.12	≤ -23.4	PASS
			1000~26500	-3.40	-47.78	≤ -23.4	PASS
		2437	Reference	-4.62	-4.62	---	PASS
			30~1000	-4.62	-61.04	≤ -24.62	PASS
			1000~26500	-4.62	-47.67	≤ -24.62	PASS
		2452	Reference	-3.72	-3.72	---	PASS
			30~1000	-3.72	-61.03	≤ -23.72	PASS
			1000~26500	-3.72	-46.52	≤ -23.72	PASS

Test Graphs

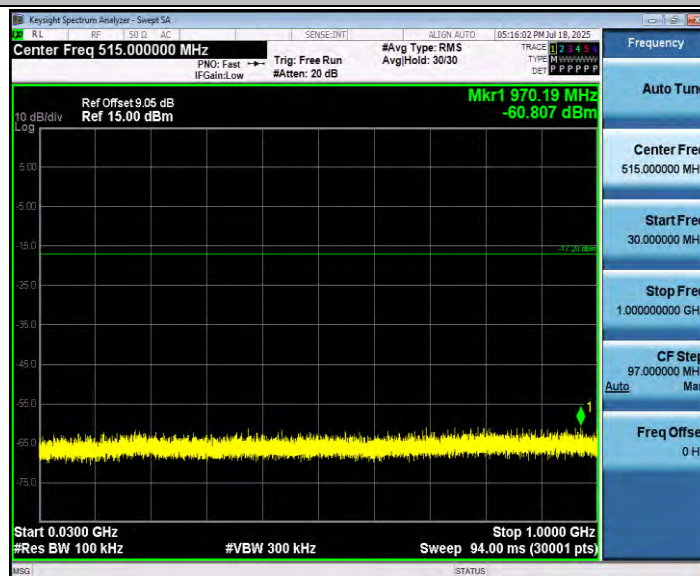




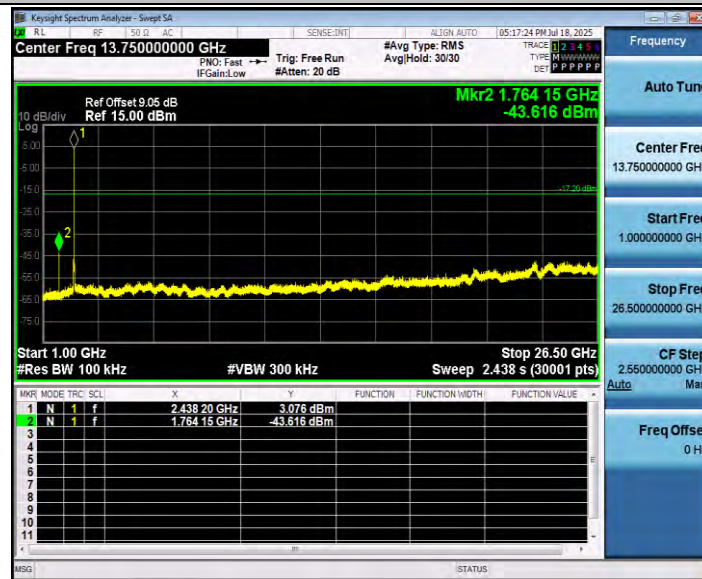
11B_Ant0_2437_0~Reference



11B_Ant0_2437_30~1000



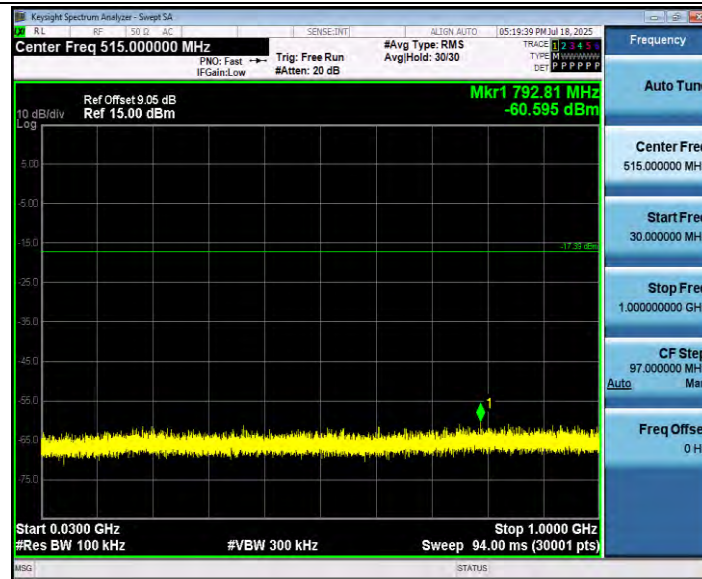
11B_Ant0_2437_1000~26500



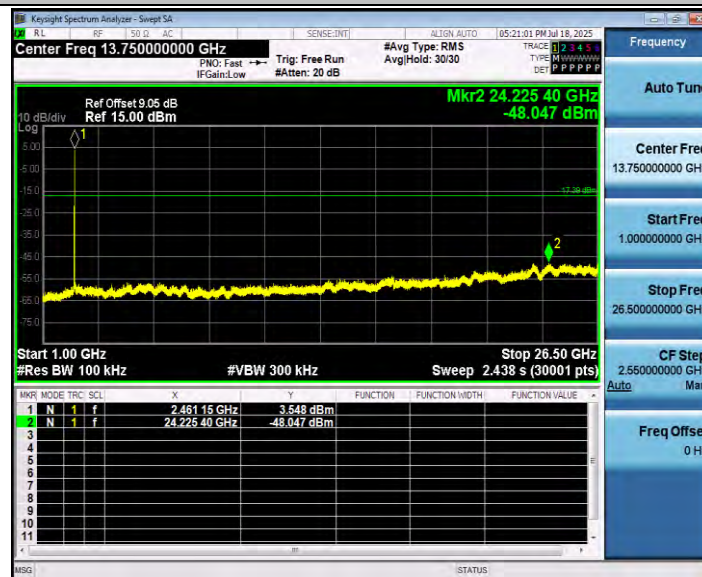
11B_Ant0_2462_0~Reference



11B_Ant0_2462_30~1000



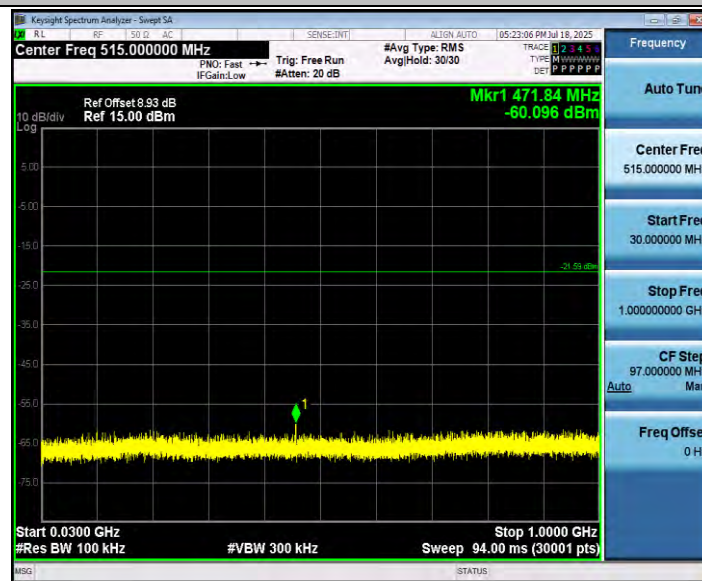
11B_Ant0_2462_1000~26500



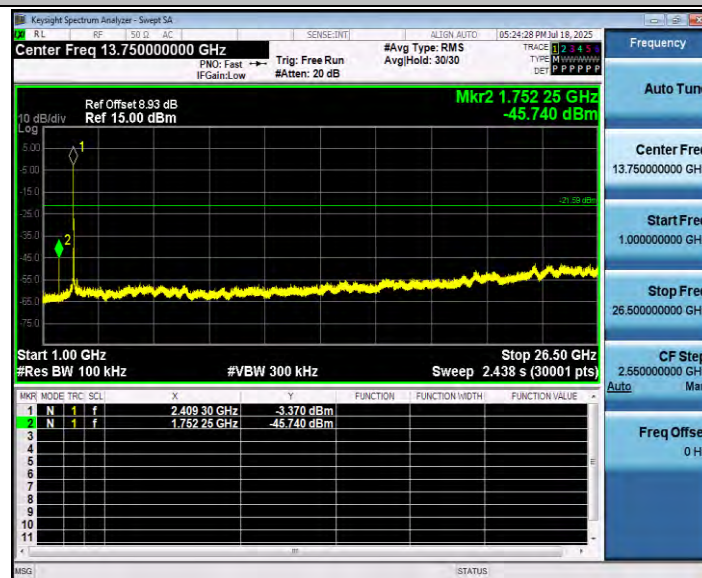
11G_Ant0_2412_0~Reference



11G_Ant0_2412_30~1000



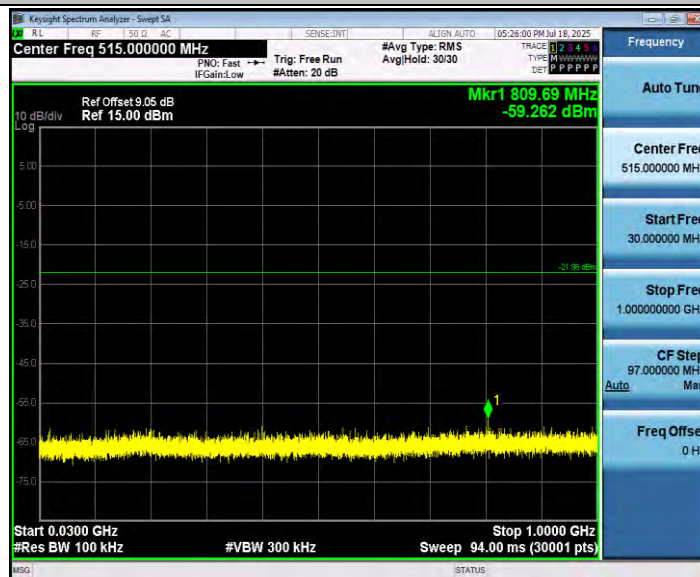
11G_Ant0_2412_1000~26500



11G_Ant0_2437_0~Reference



11G_Ant0_2437_30~1000



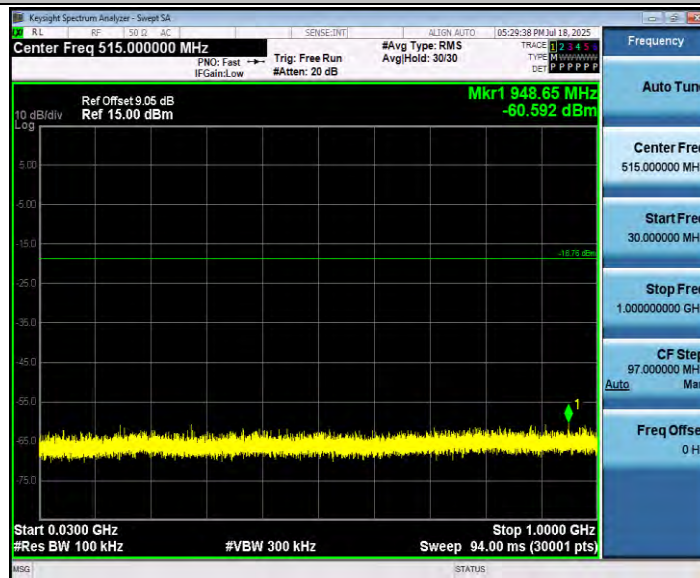
11G_Ant0_2437_1000~26500



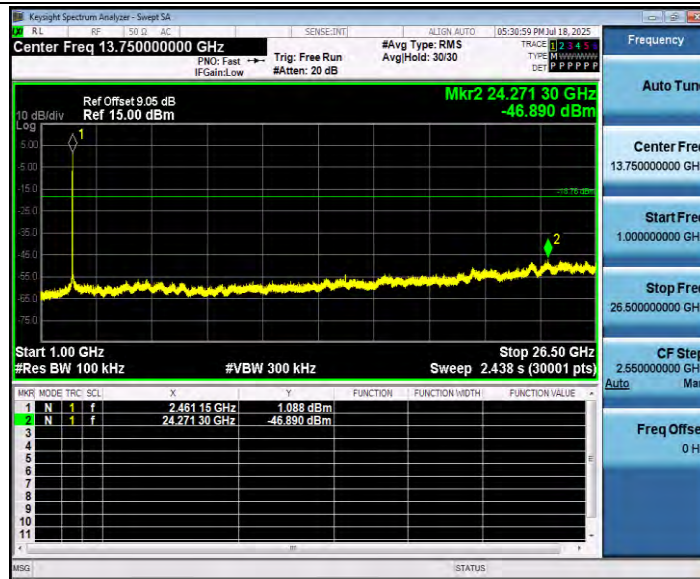
11G_Ant0_2462_0~Reference



11G_Ant0_2462_30~1000



11G_Ant0_2462_1000~26500



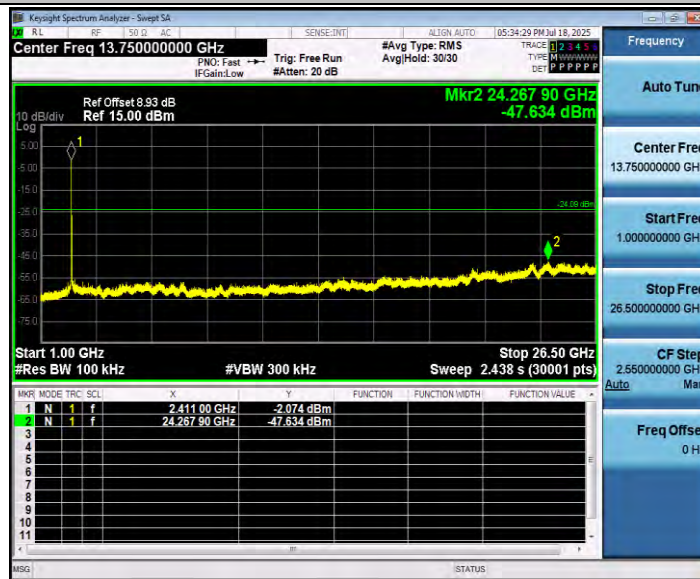
11N20SISO_Ant0_2412_0~Reference



11N20SISO_Ant0_2412_30~1000



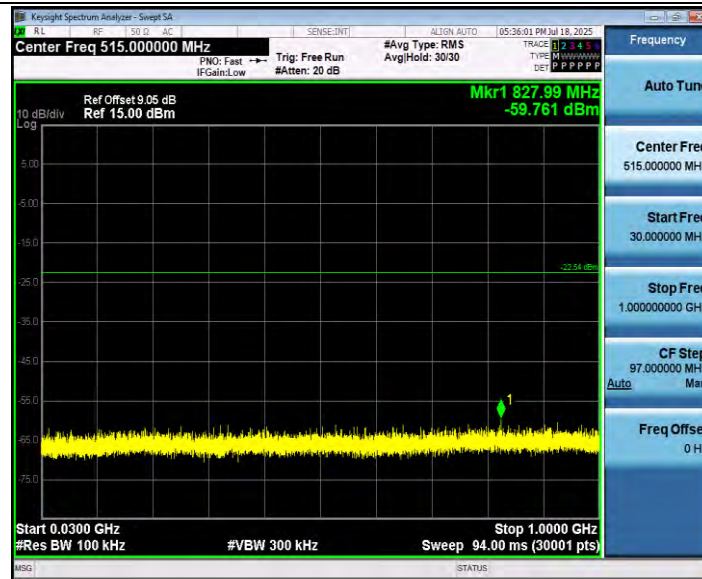
11N20SISO_Ant0_2412_1000~26500



11N20SISO_Ant0_2437_0~Reference



11N20SISO_Ant0_2437_30~1000



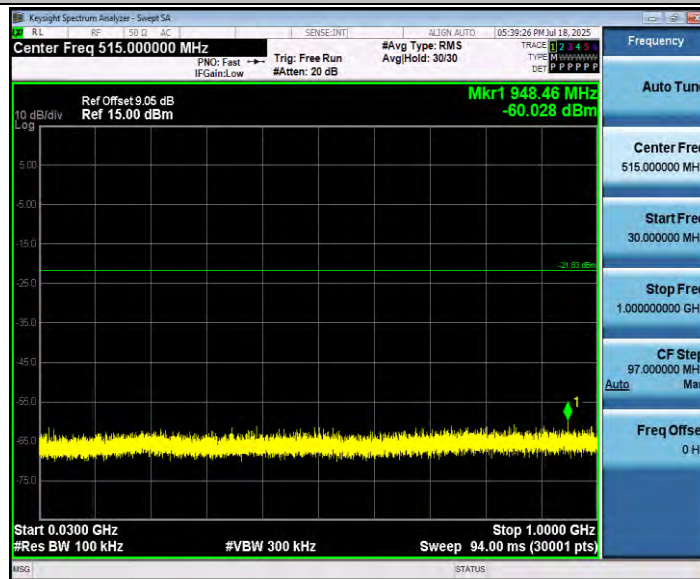
11N20SISO_Ant0_2437_1000~26500



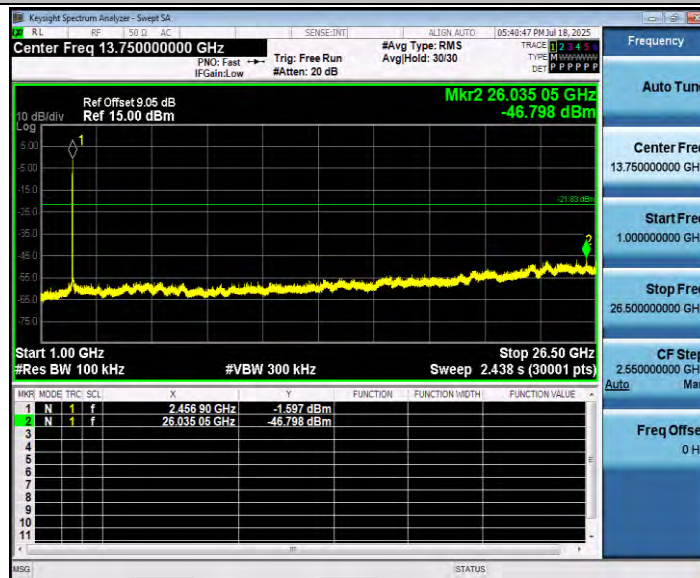
11N20SISO_Ant0_2462_0~Reference



11N20SISO_Ant0_2462_30~1000



11N20SISO_Ant0_2462_1000~26500



11N40SISO_Ant0_2422_0~Reference



11N40SISO_Ant0_2422_30~1000



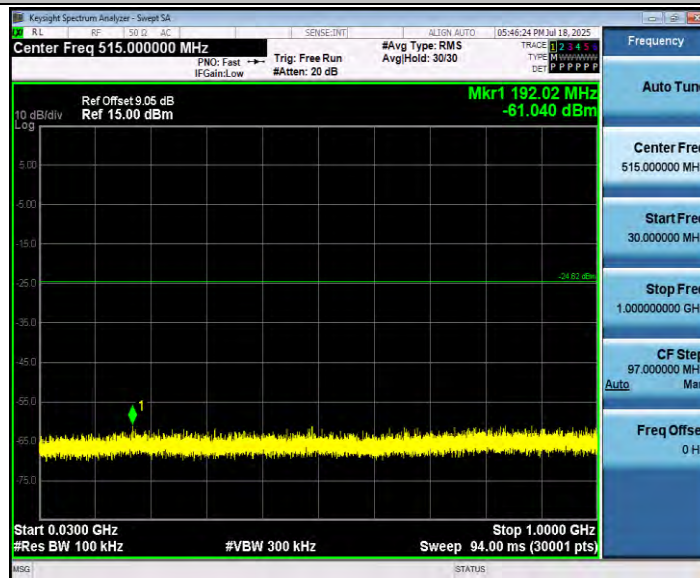
11N40SISO_Ant0_2422_1000~26500



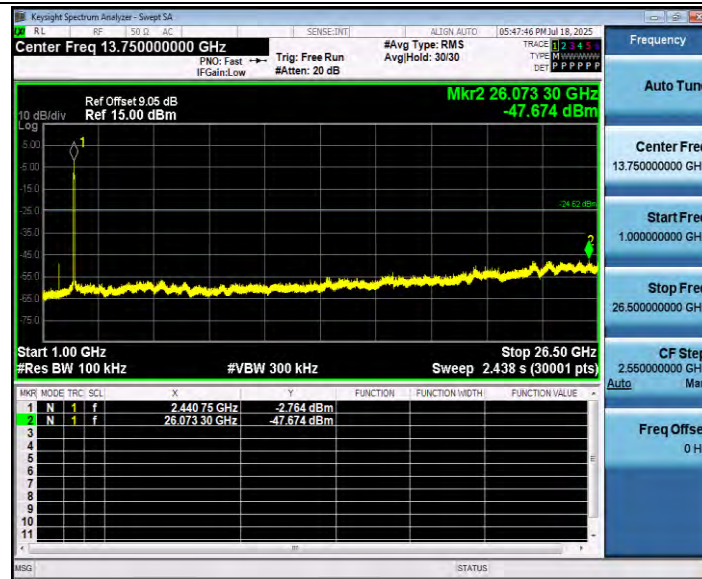
11N40SISO_Ant0_2437_0~Reference



11N40SISO_Ant0_2437_30~1000



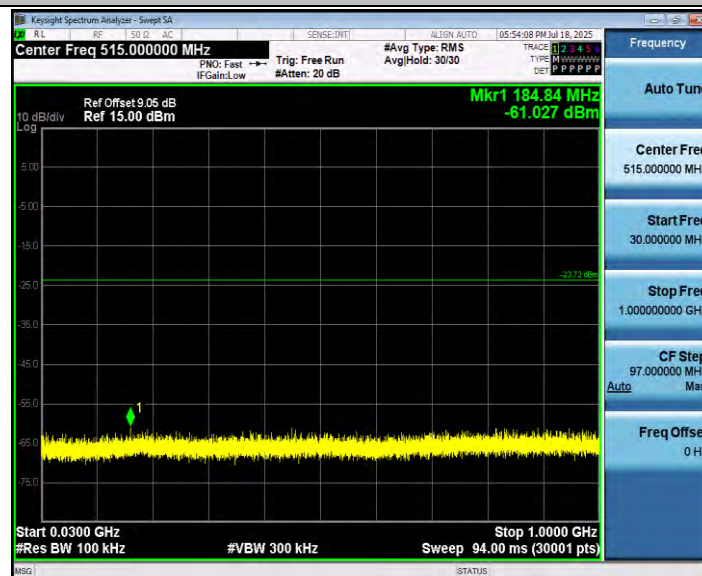
11N40SISO_Ant0_2437_1000~26500

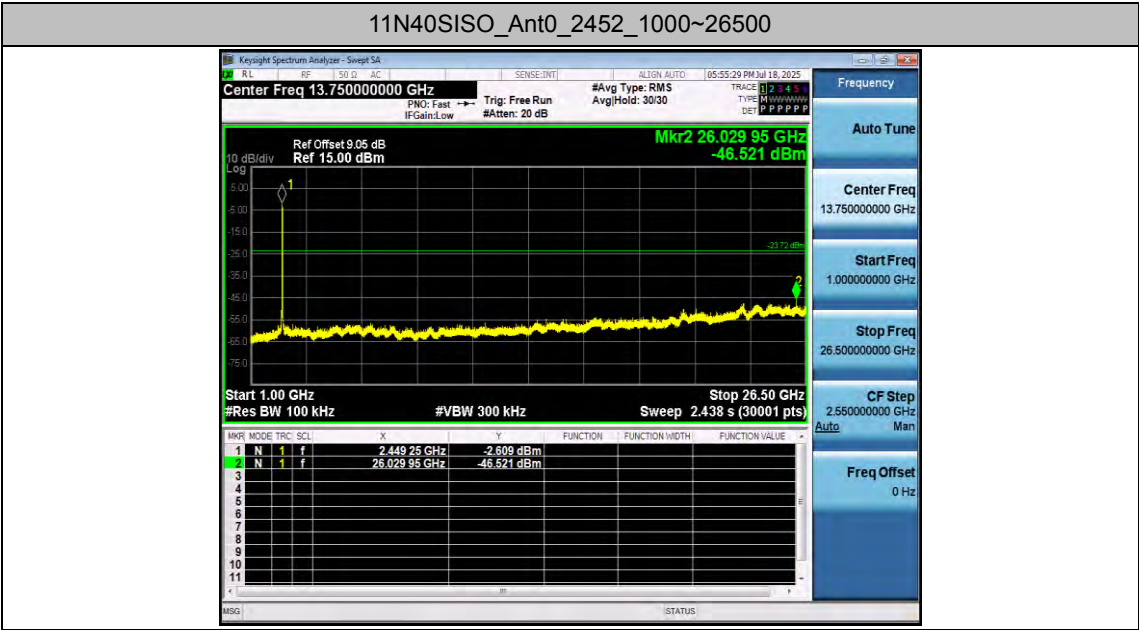


11N40SISO_Ant0_2452_0~Reference



11N40SISO_Ant0_2452_30~1000



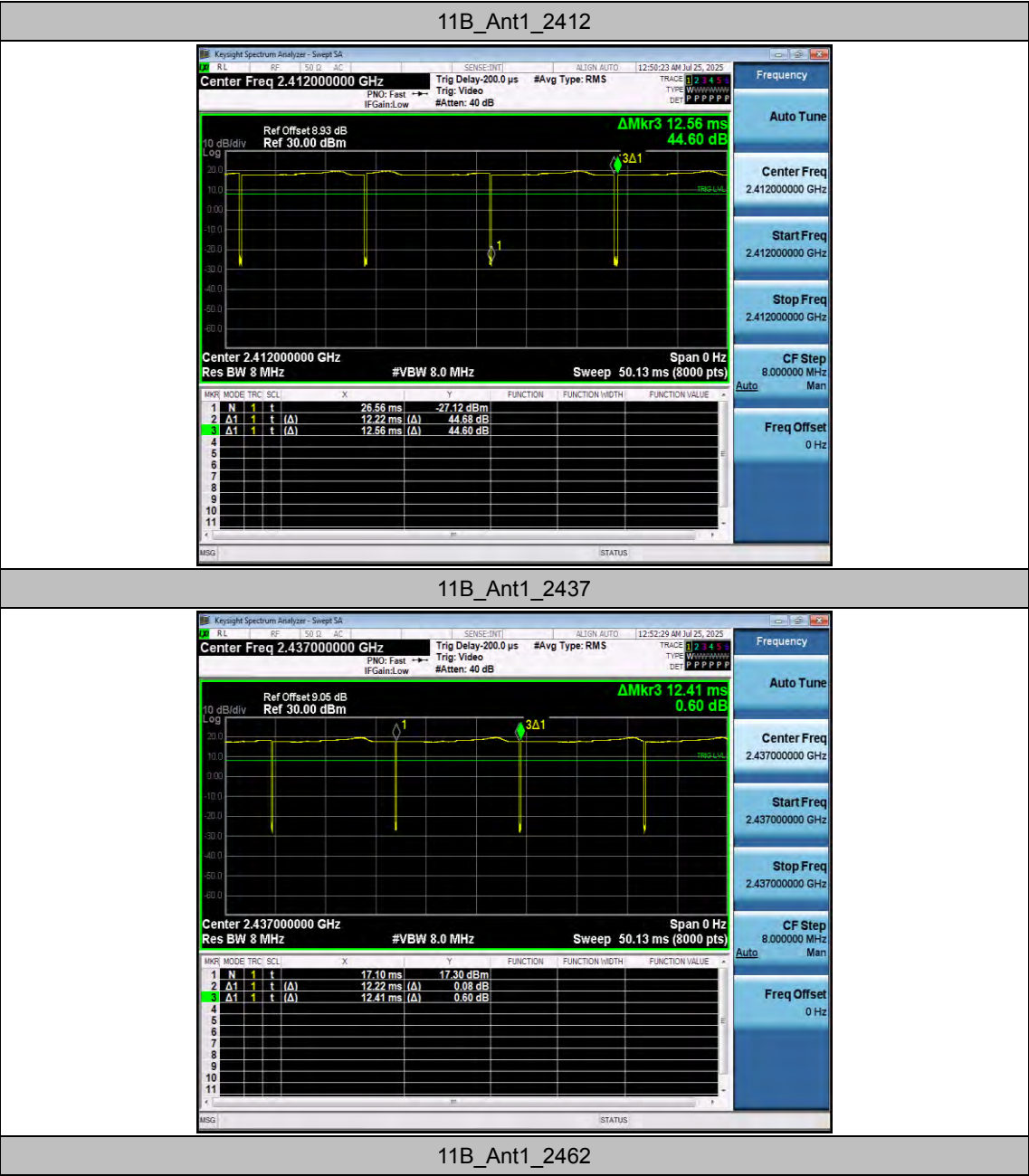


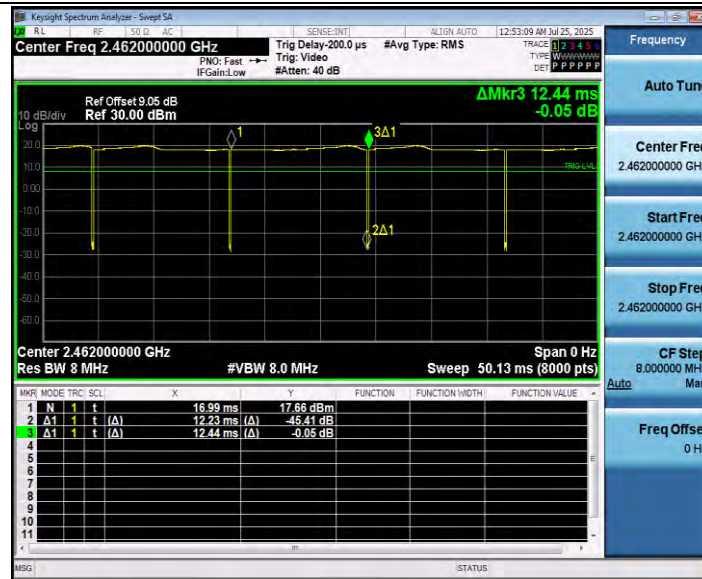
Appendix C.7: Duty Cycle

Test Result

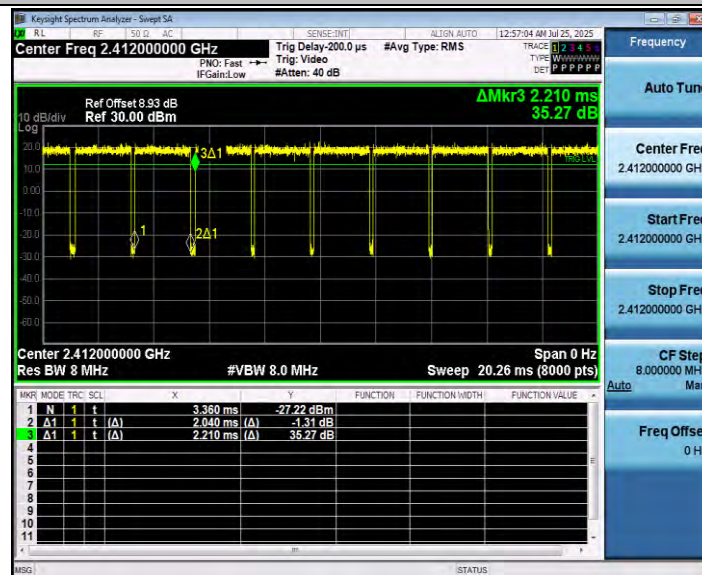
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	12.22	12.56	97.29	0.12	0.08
		2437	12.22	12.41	98.47	0.07	0.08
		2462	12.23	12.44	98.31	0.07	0.08
11G	Ant1	2412	2.04	2.21	92.31	0.35	0.49
		2437	2.03	2.25	90.22	0.45	0.49
		2462	2.03	2.25	90.22	0.45	0.49
11N20SISO	Ant1	2412	1.89	2.12	89.15	0.50	0.53
		2437	1.90	2.05	92.68	0.33	0.53
		2462	1.90	2.09	90.91	0.41	0.53
11N40SISO	Ant1	2422	0.93	1.15	80.87	0.92	1.08
		2437	0.94	1.10	85.45	0.68	1.06
		2452	0.94	1.16	81.03	0.91	1.06

Test Graphs

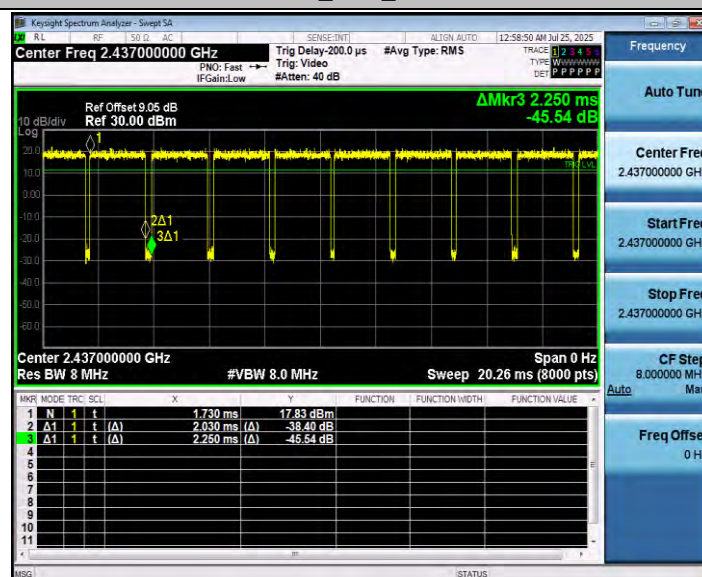




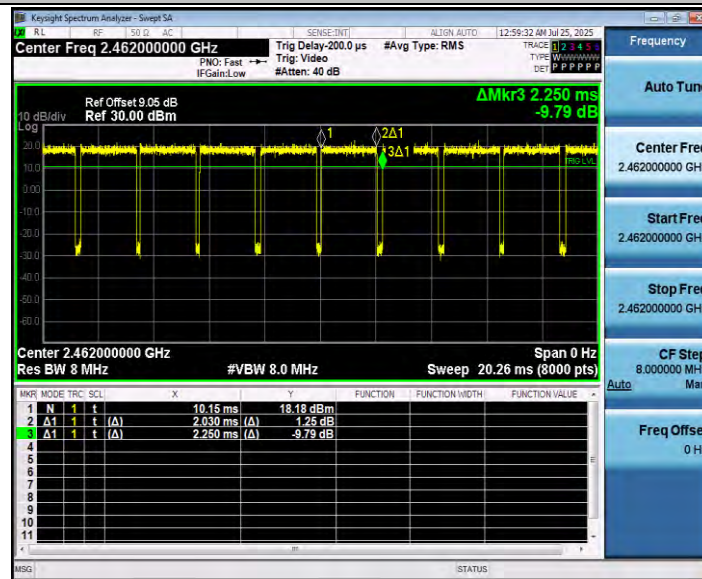
11G_Ant1_2412



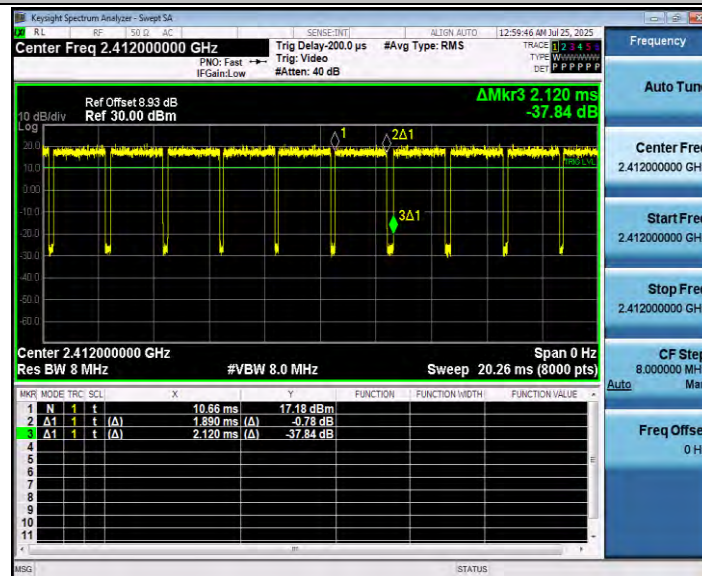
11G_Ant1_2437



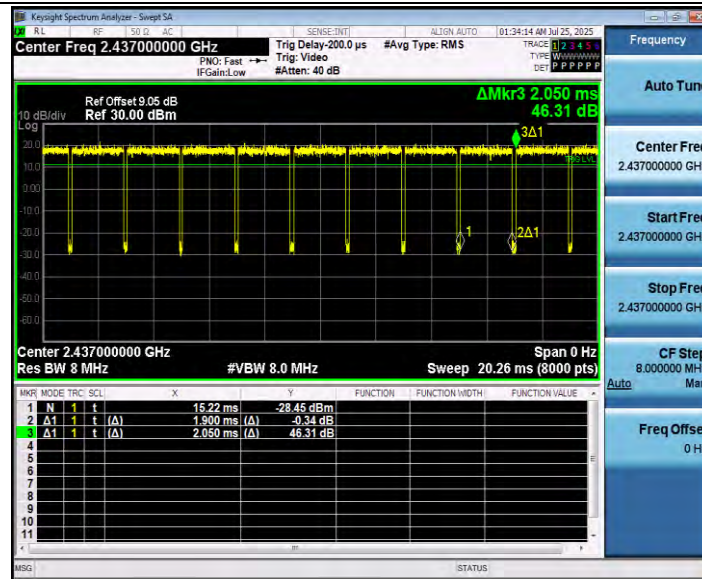
11G_Ant1_2462



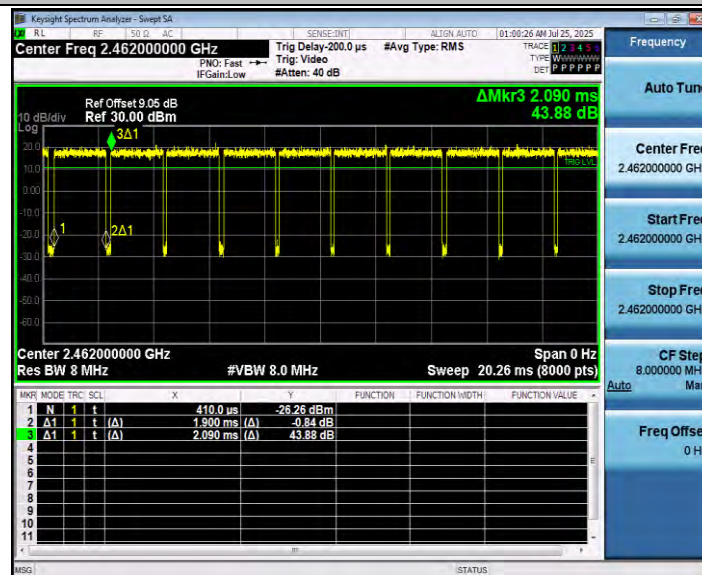
11N20SISO_Ant1_2412



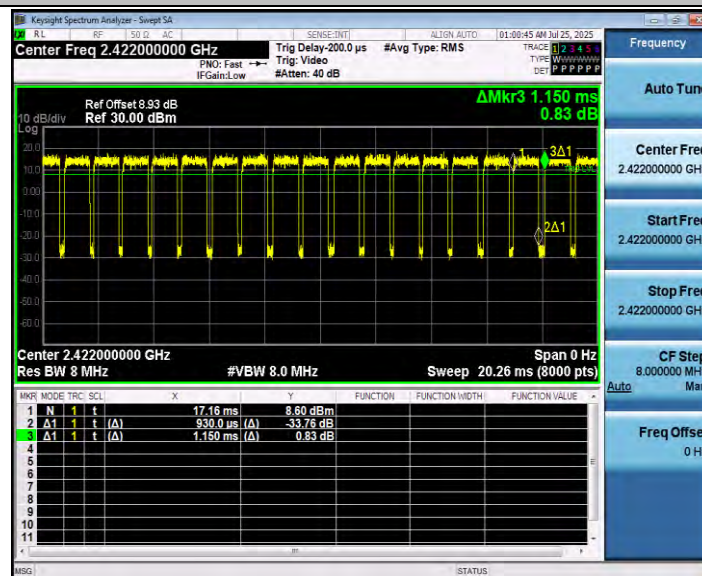
11N20SISO_Ant1_2437



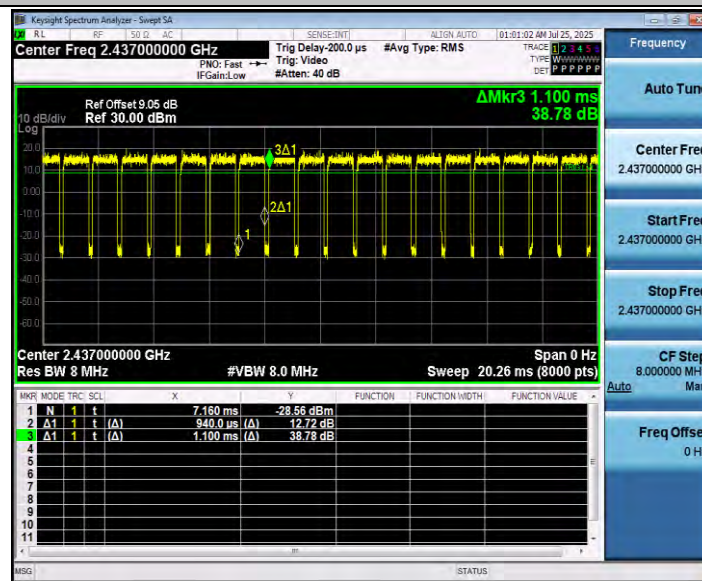
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

