

Case No. : <u>GTS20250904021-1-03</u>	
Ambient Condition: <u>22°C, 57%RH,</u>	
Test Date: <u>2025.9.9-2025.9.17</u>	Test Engineer: <u>Evan ouyang</u>

AppendixC.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.120	2456.920	2467.040	0.5	PASS
11G	Ant1	2412	16.480	2403.760	2420.240	0.5	PASS
		2437	16.480	2428.760	2445.240	0.5	PASS
		2462	16.520	2453.720	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.160	2420.800	0.5	PASS
		2437	17.680	2428.200	2445.880	0.5	PASS
		2462	17.680	2453.160	2470.840	0.5	PASS
11N40SISO	Ant1	2422	36.400	2403.840	2440.240	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

Test Graphs

11B_Ant1_2412



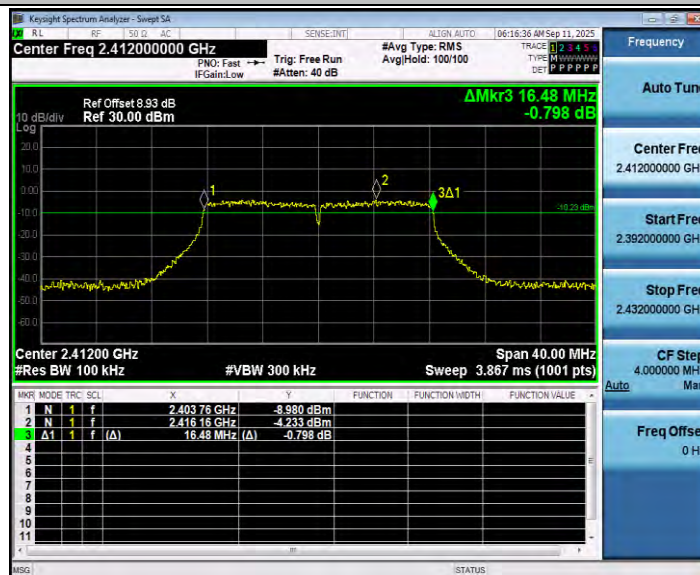
11B_Ant1_2437



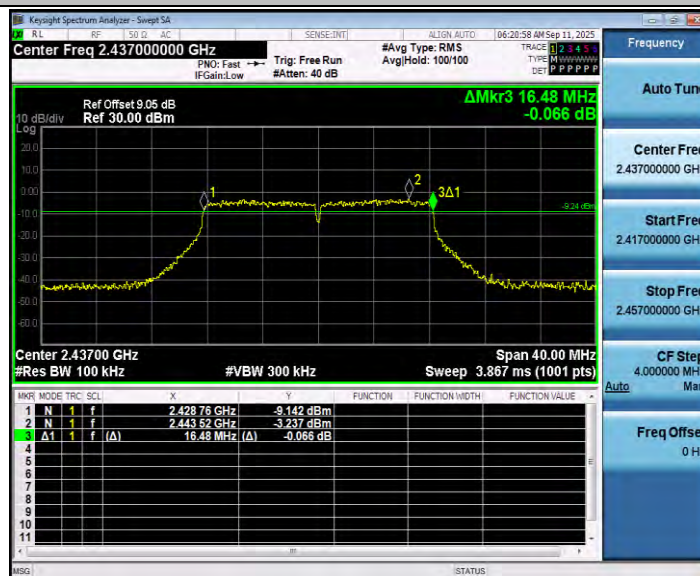
11B_Ant1_2462



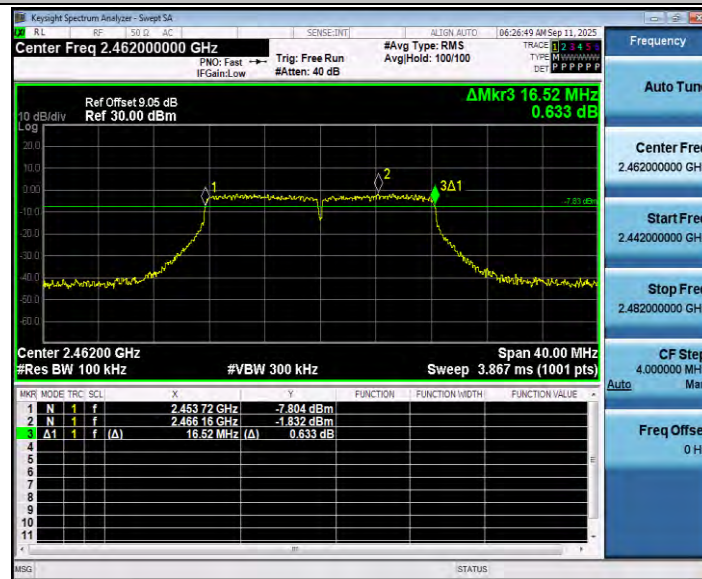
11G_Ant1_2412



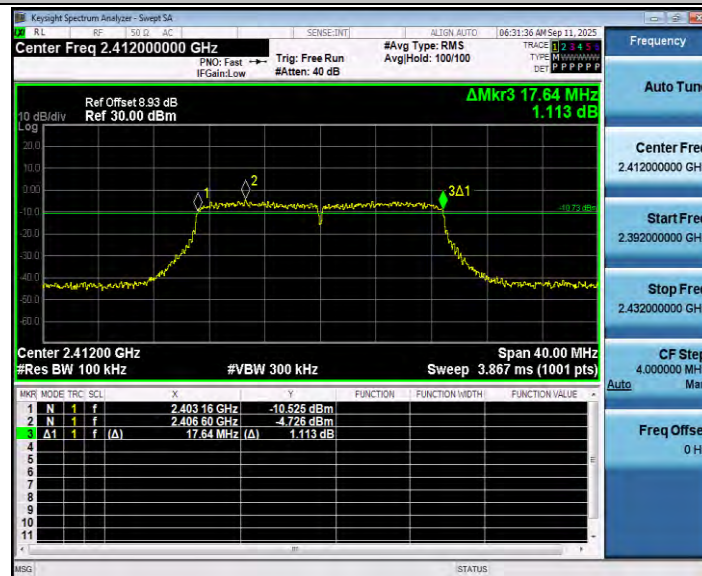
11G_Ant1_2437



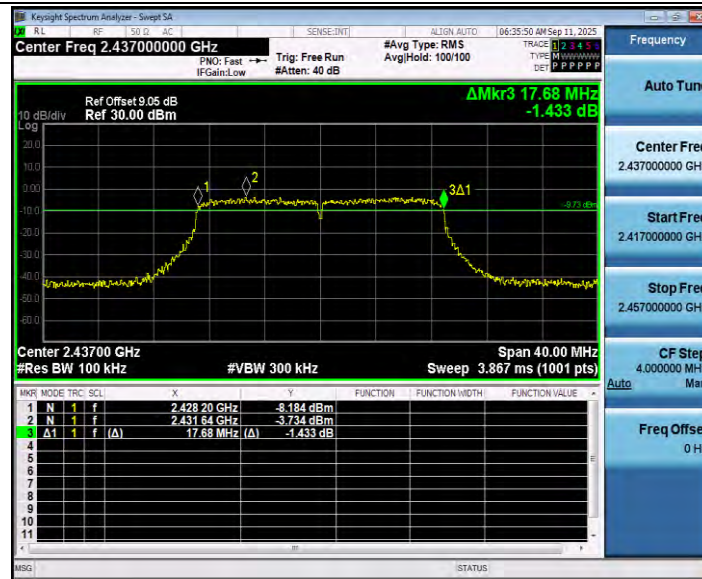
11G_Ant1_2462



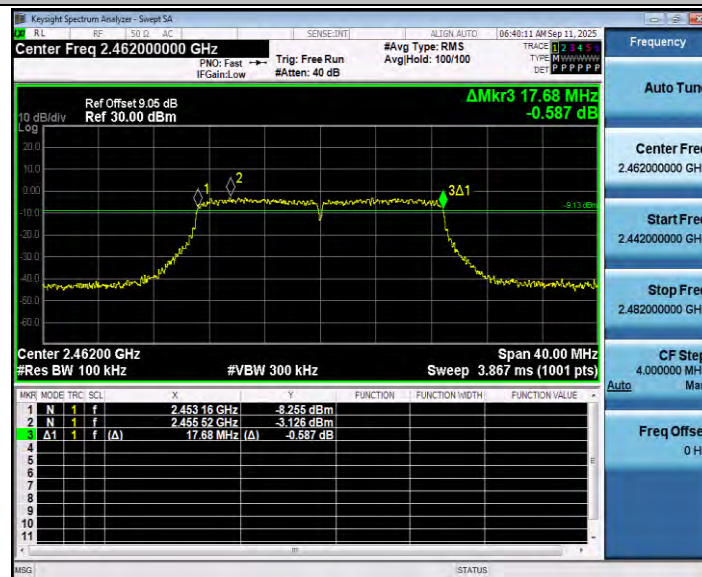
11N20SISO_Ant1_2412



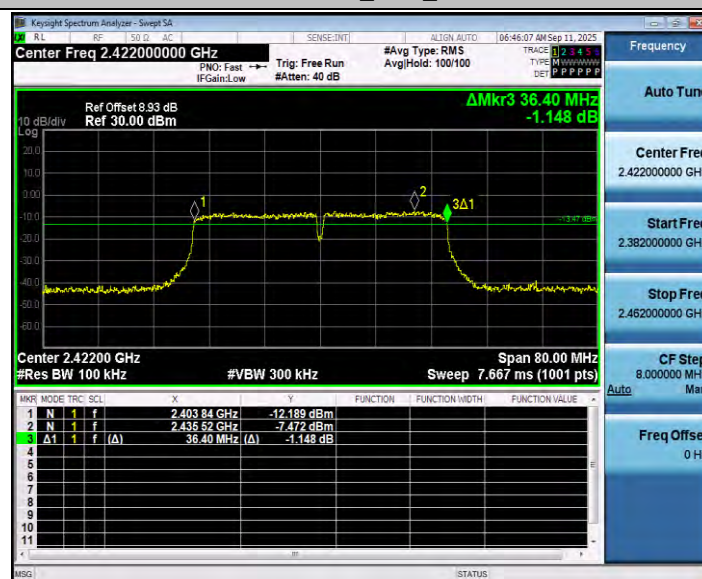
11N20SISO_Ant1_2437

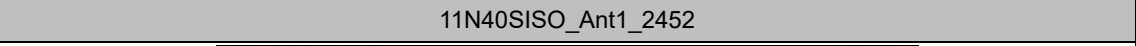


11N20SISO_Ant1_2462



11N40SISO_Ant1_2422





AppendixC.2: Occupied Channel Bandwidth

Test Result

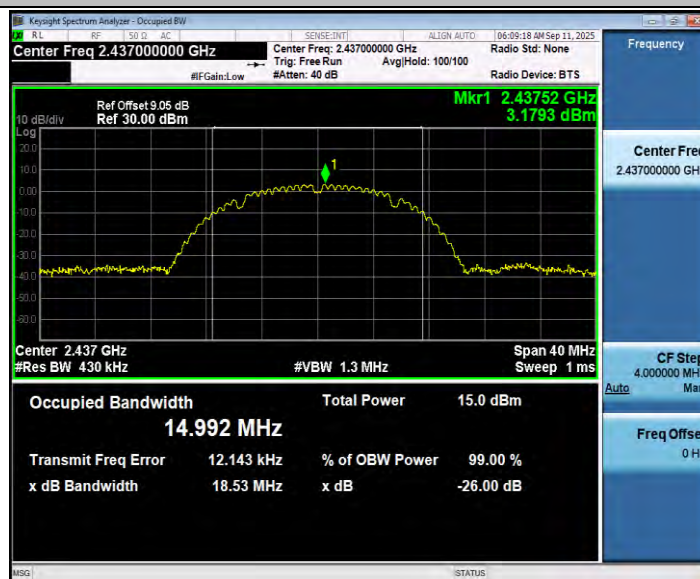
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.036	2404.4457	2419.4817	---	---
		2437	14.992	2429.5161	2444.5081	---	---
		2462	14.976	2454.4683	2469.4443	---	---
11G	Ant1	2412	16.897	2403.4856	2420.3826	---	---
		2437	16.915	2428.4739	2445.3889	---	---
		2462	16.802	2453.5395	2470.3415	---	---
11N20SISO	Ant1	2412	17.845	2403.0631	2420.9081	---	---
		2437	17.814	2428.0972	2445.9112	---	---
		2462	17.856	2453.0360	2470.8920	---	---
11N40SISO	Ant1	2422	36.369	2403.8738	2440.2428	---	---
		2437	36.256	2418.9667	2455.2227	---	---
		2452	36.277	2433.9445	2470.2215	---	---

Test Graphs

11B_Ant1_2412



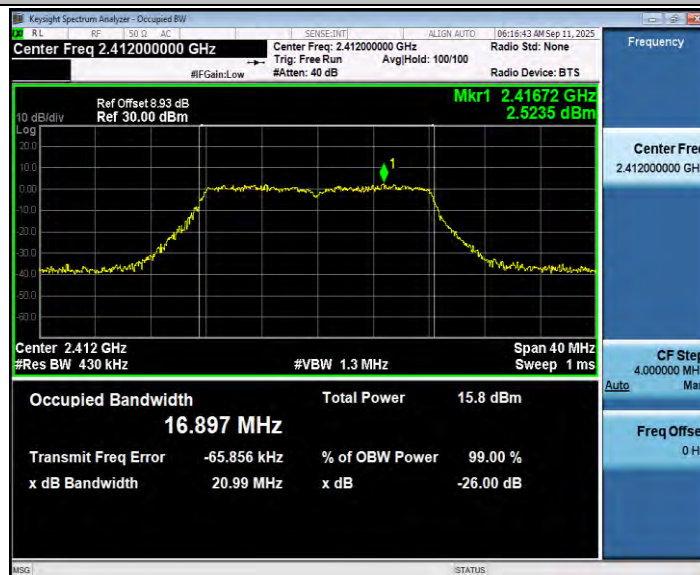
11B_Ant1_2437



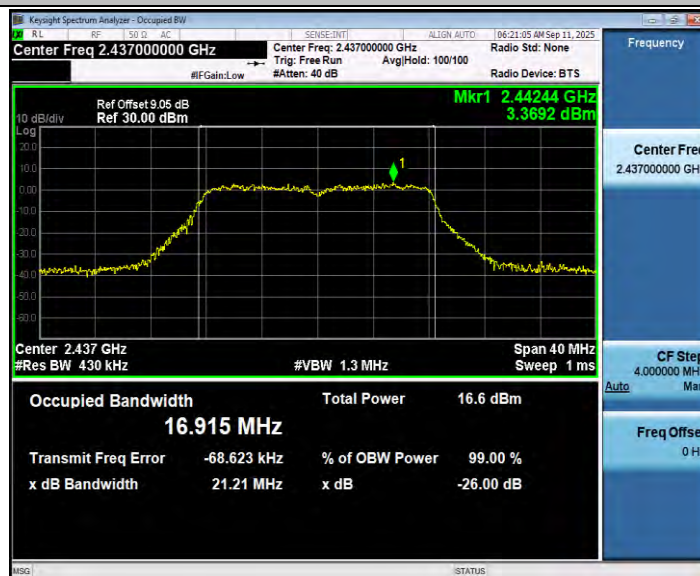
11B_Ant1_2462



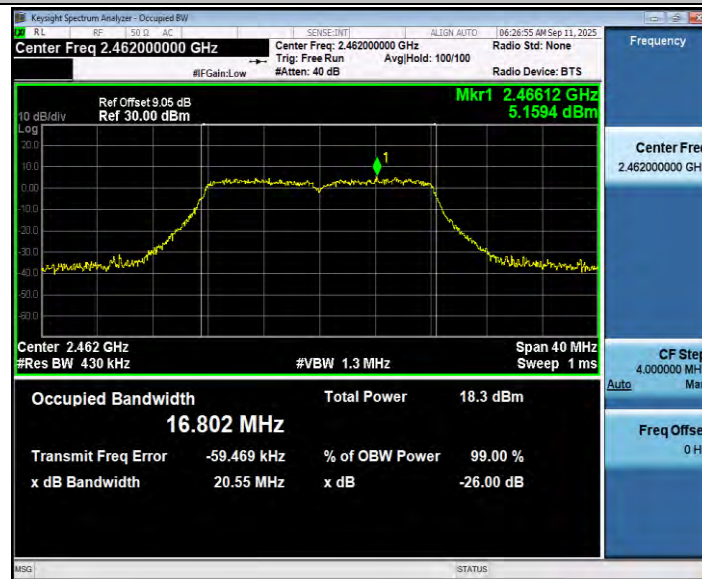
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



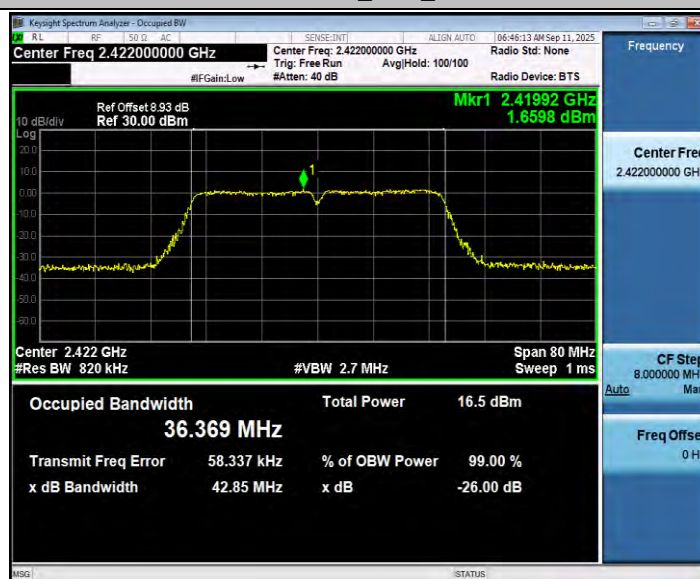
11N20SISO_Ant1_2437



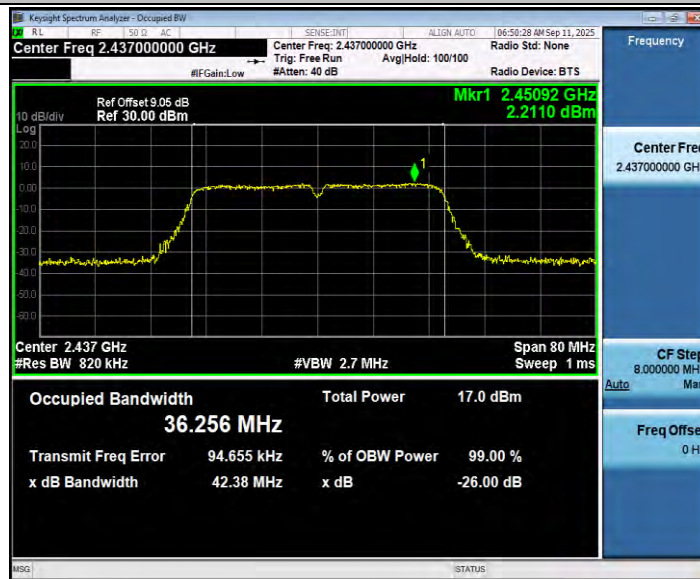
11N20SISO_Ant1_2462



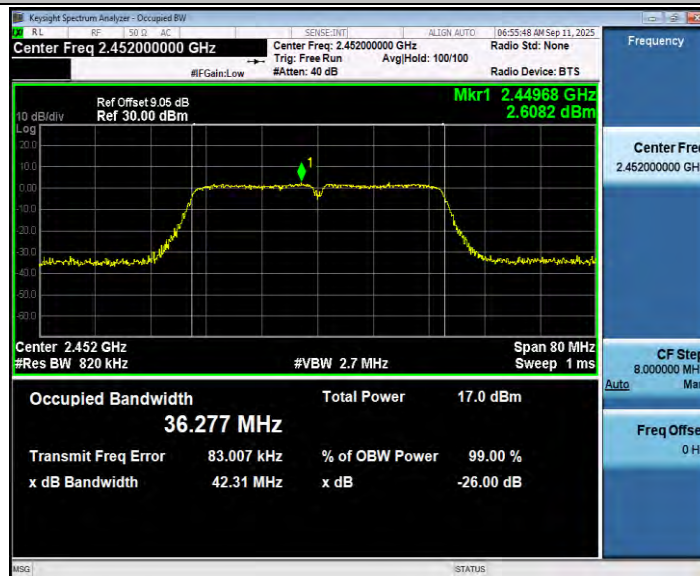
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



AppendixC.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	16.43	≤30.00	PASS
		2437	16.14	≤30.00	PASS
		2462	16.79	≤30.00	PASS
11G	Ant1	2412	16.90	≤30.00	PASS
		2437	17.72	≤30.00	PASS
		2462	19.39	≤30.00	PASS
11N20SISO	Ant1	2412	16.69	≤30.00	PASS
		2437	17.91	≤30.00	PASS
		2462	18.72	≤30.00	PASS
11N40SISO	Ant1	2422	16.78	≤30.00	PASS
		2437	17.28	≤30.00	PASS
		2452	17.33	≤30.00	PASS

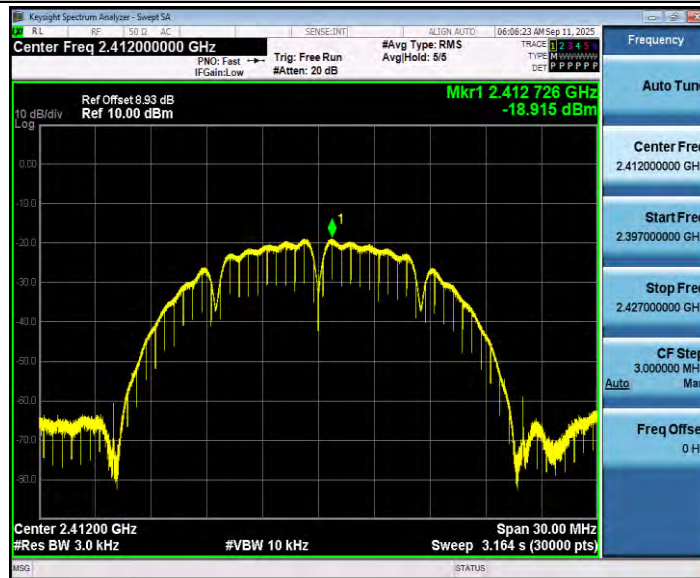
AppendixC.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18.92	≤8.00	PASS
		2437	-18.14	≤8.00	PASS
		2462	-16.48	≤8.00	PASS
11G	Ant1	2412	-17.96	≤8.00	PASS
		2437	-17.41	≤8.00	PASS
		2462	-16.27	≤8.00	PASS
11N20SISO	Ant1	2412	-18.09	≤8.00	PASS
		2437	-17.34	≤8.00	PASS
		2462	-15.66	≤8.00	PASS
11N40SISO	Ant1	2422	-20.49	≤8.00	PASS
		2437	-18.70	≤8.00	PASS
		2452	-20.80	≤8.00	PASS

Test Graphs

11B_Ant1_2412



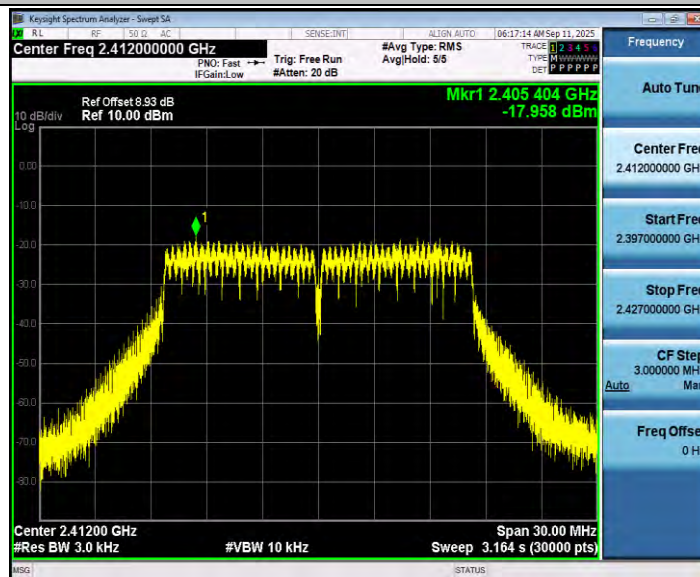
11B_Ant1_2437



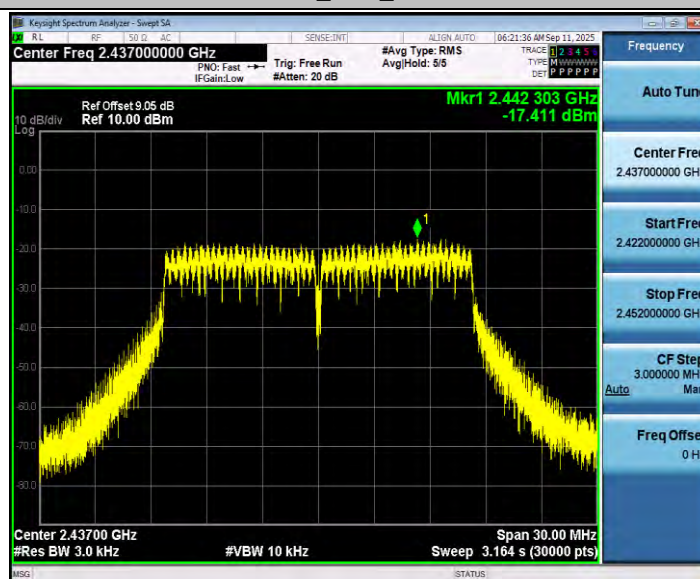
11B_Ant1_2462



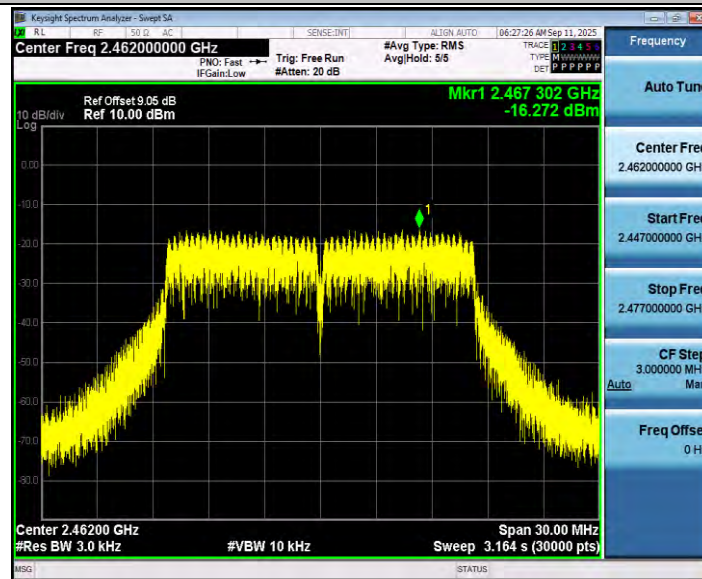
11G_Ant1_2412



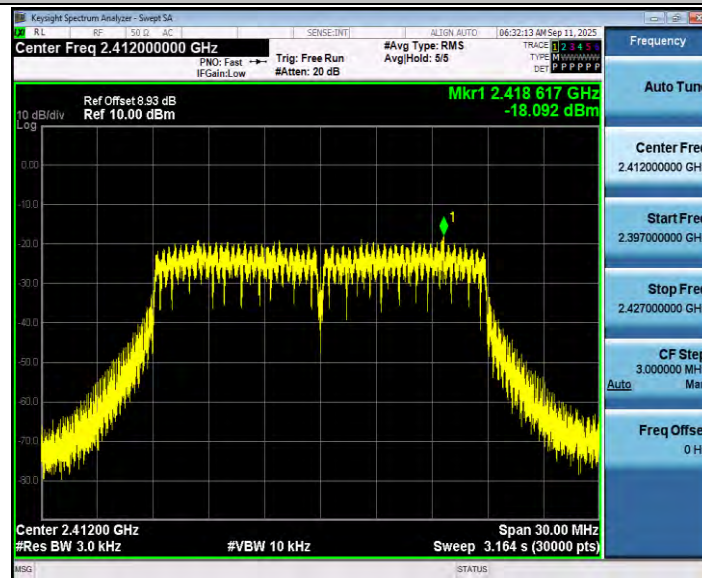
11G_Ant1_2437



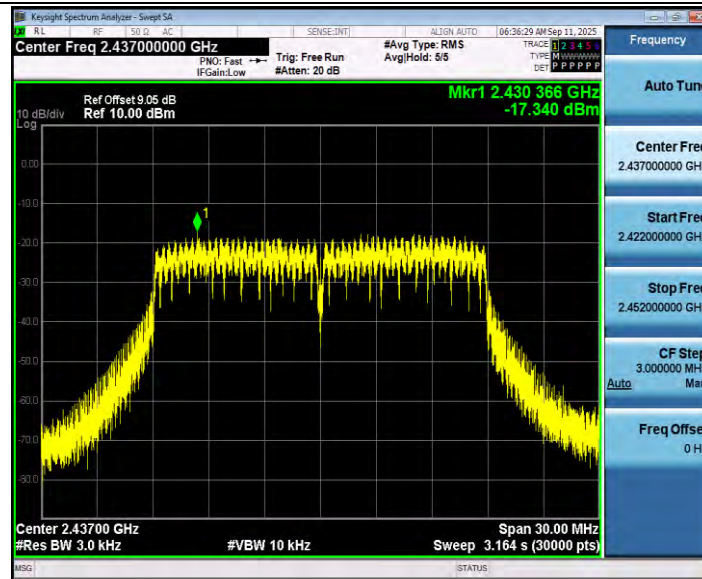
11G_Ant1_2462



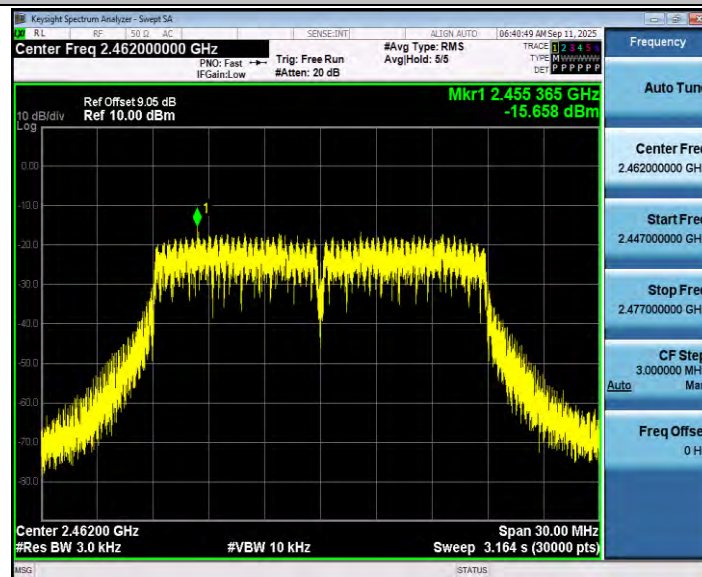
11N20SISO_Ant1_2412



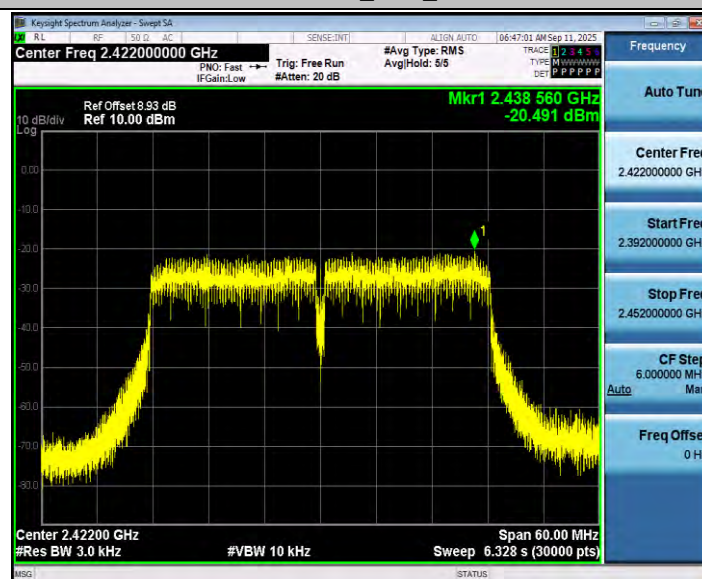
11N20SISO_Ant1_2437



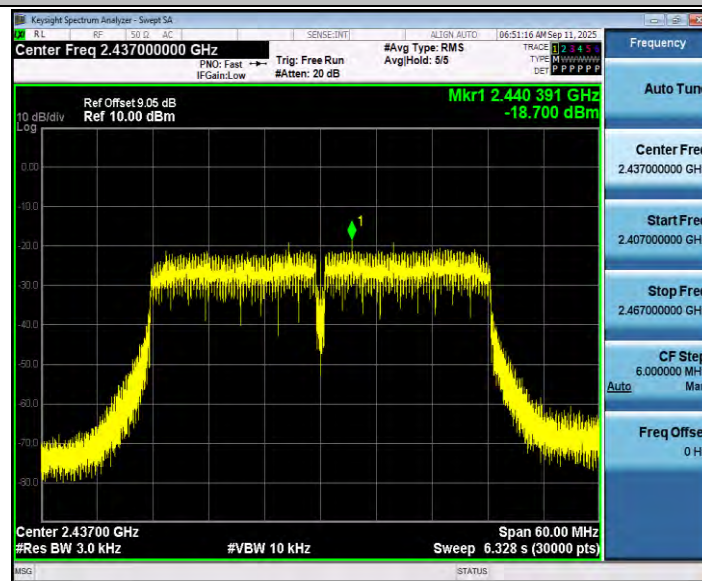
11N20SISO_Ant1_2462



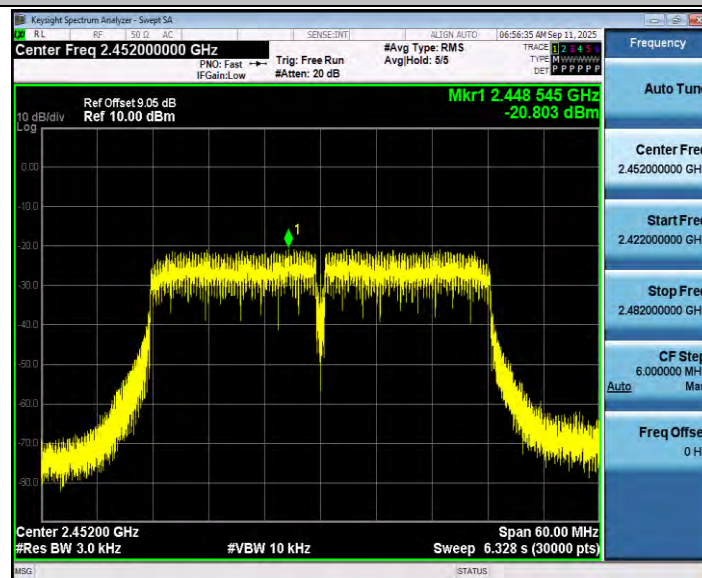
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



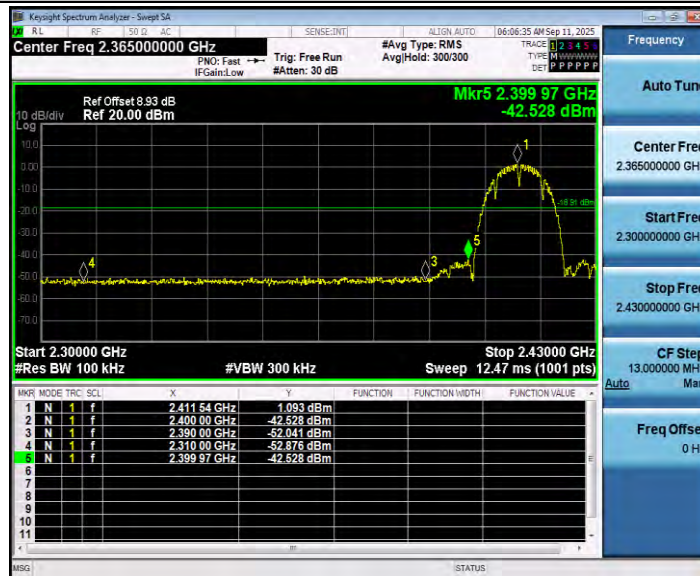
Appendix C.5: Band edge measurements

Test Result

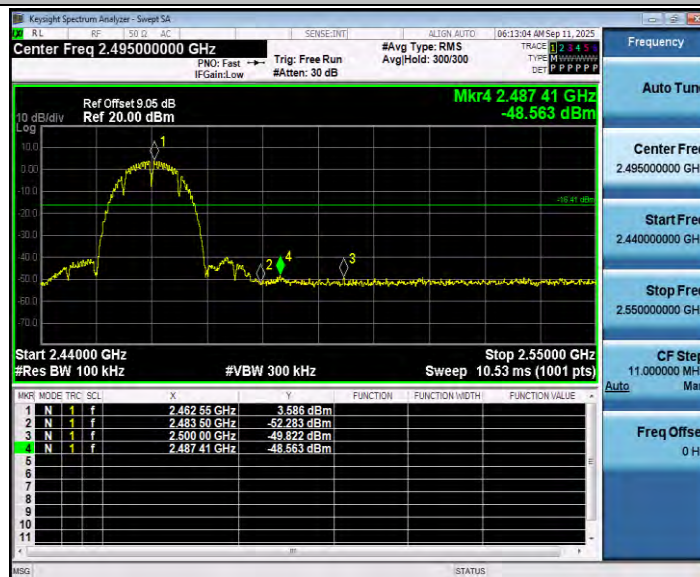
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.09	-42.53	≤ -18.91	PASS
		High	2462	3.59	-48.56	≤ -16.41	PASS
11G	Ant1	Low	2412	-4.29	-40.61	≤ -24.29	PASS
		High	2462	-1.73	-48.4	≤ -21.73	PASS
11N20SISO	Ant1	Low	2412	-4.51	-41.12	≤ -24.51	PASS
		High	2462	-2.14	-48.92	≤ -22.14	PASS
11N40SISO	Ant1	Low	2422	-7.90	-42.65	≤ -27.9	PASS
		High	2452	-6.73	-47.49	≤ -26.73	PASS

Test Graphs

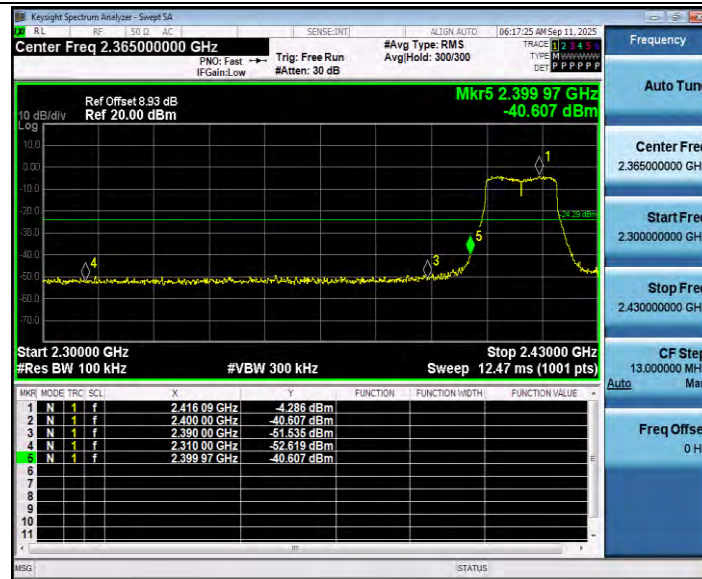
11B_Ant1_Low_2412



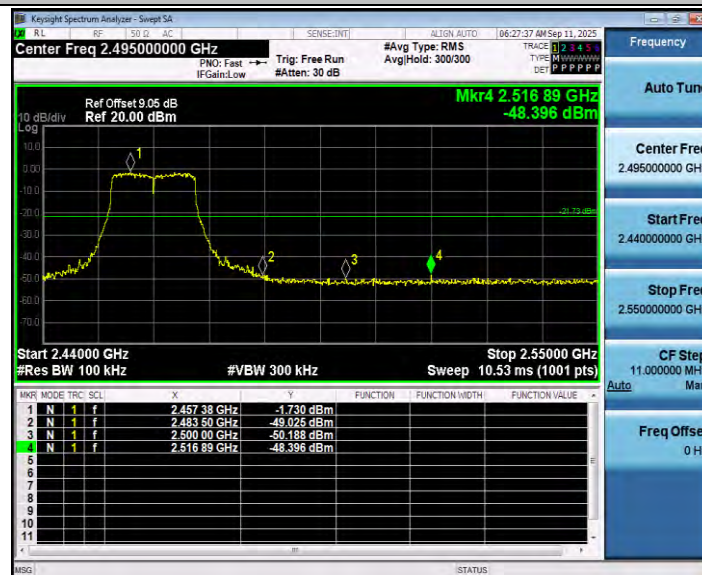
11B_Ant1_High_2462



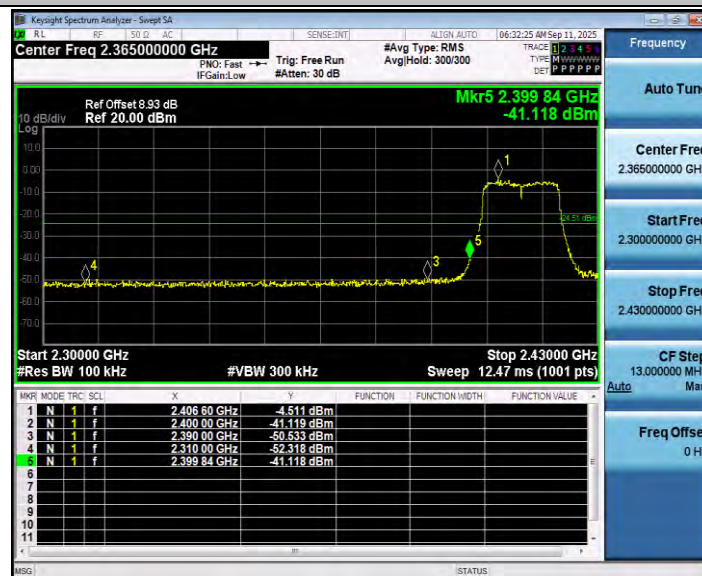
11G_Ant1_Low_2412



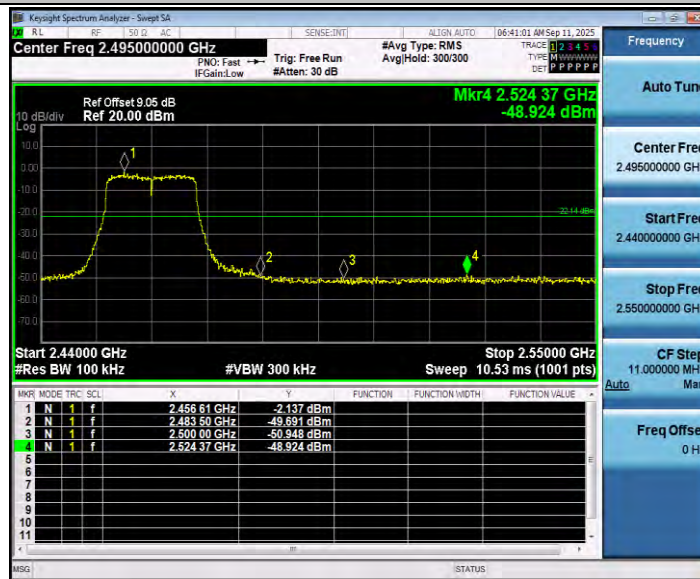
11G_Ant1_High_2462



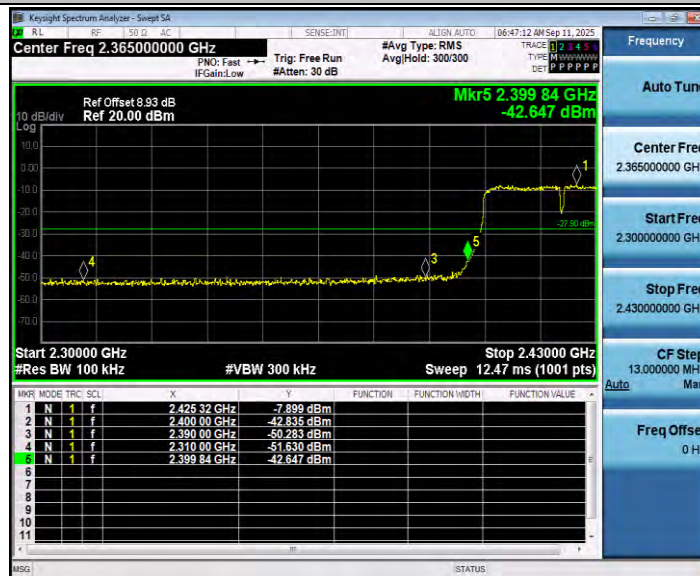
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



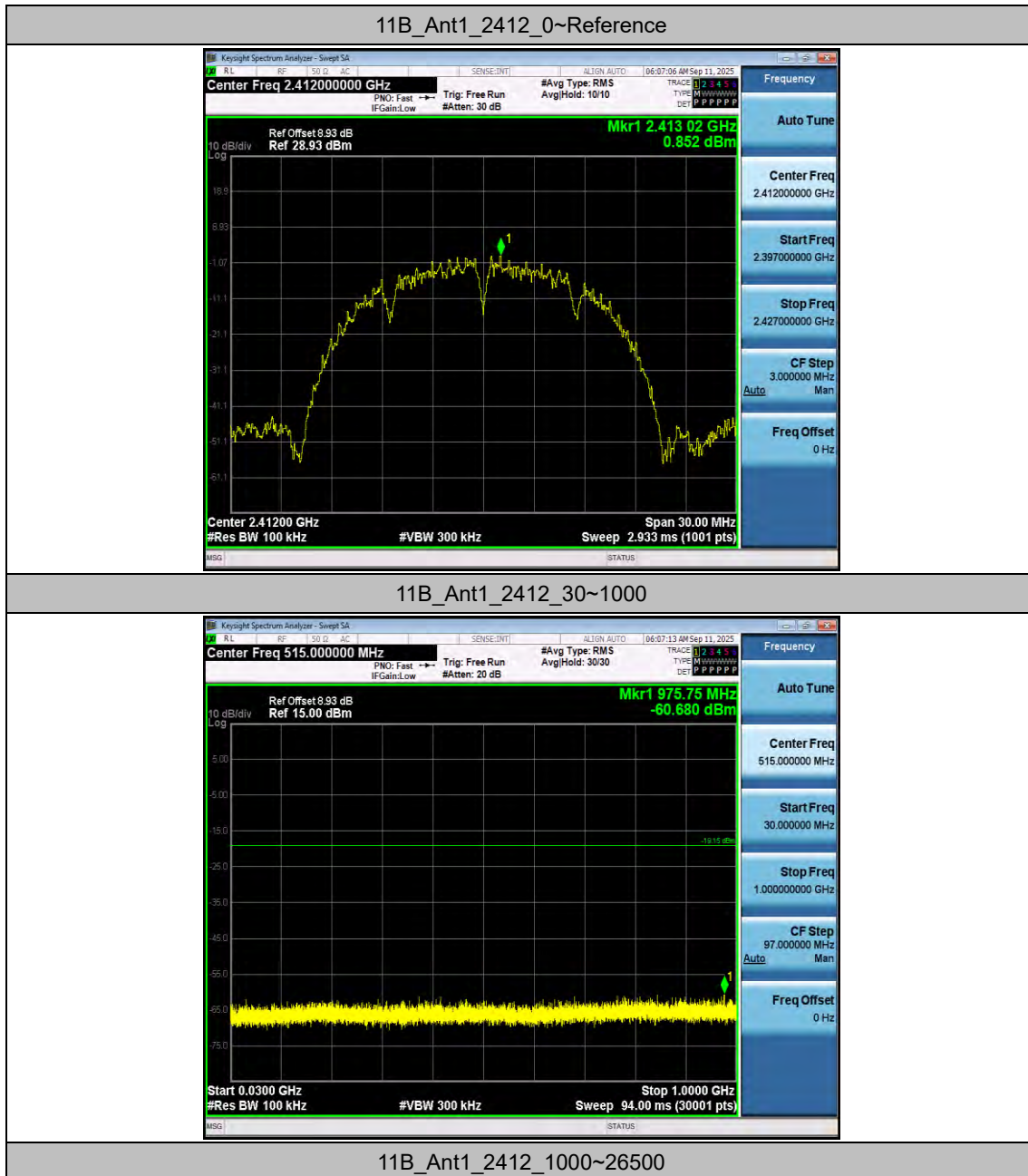
11N40SISO_Ant1_High_2452

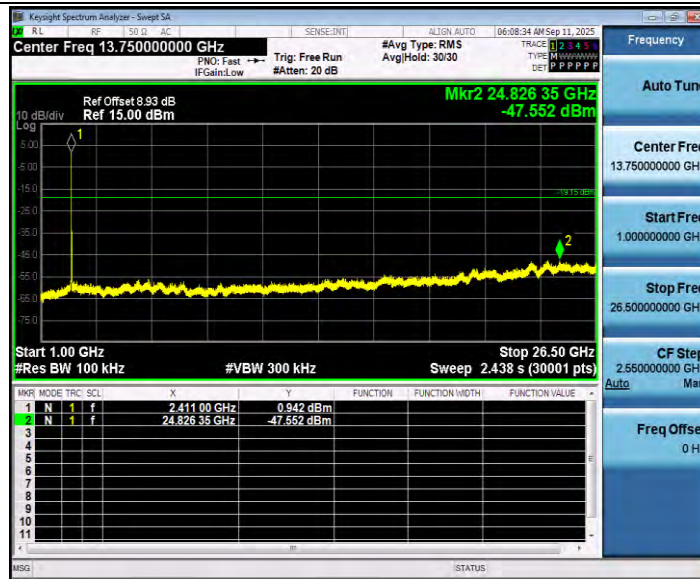
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.85	0.85	---	PASS
			30~1000	0.85	-60.68	≤ -19.15	PASS
			1000~26500	0.85	-47.55	≤ -19.15	PASS
		2437	Reference	1.14	1.14	---	PASS
			30~1000	1.14	-61.13	≤ -18.86	PASS
			1000~26500	1.14	-46.96	≤ -18.86	PASS
		2462	Reference	2.77	2.77	---	PASS
			30~1000	2.77	-60.77	≤ -17.23	PASS
			1000~26500	2.77	-47.8	≤ -17.23	PASS
11G	Ant1	2412	Reference	-4.39	-4.39	---	PASS
			30~1000	-4.39	-60.58	≤ -24.39	PASS
			1000~26500	-4.39	-47.02	≤ -24.39	PASS
		2437	Reference	-3.32	-3.32	---	PASS
			30~1000	-3.32	-60.46	≤ -23.32	PASS
			1000~26500	-3.32	-48.14	≤ -23.32	PASS
		2462	Reference	-2.33	-2.33	---	PASS
			30~1000	-2.33	-60.92	≤ -22.33	PASS
			1000~26500	-2.33	-48.03	≤ -22.33	PASS
11N20SISO	Ant1	2412	Reference	-4.50	-4.50	---	PASS
			30~1000	-4.50	-60.69	≤ -24.5	PASS
			1000~26500	-4.50	-47.69	≤ -24.5	PASS
		2437	Reference	-4.63	-4.63	---	PASS
			30~1000	-4.63	-60.48	≤ -24.63	PASS
			1000~26500	-4.63	-47.97	≤ -24.63	PASS
		2462	Reference	-3.67	-3.67	---	PASS
			30~1000	-3.67	-60.07	≤ -23.67	PASS
			1000~26500	-3.67	-47.19	≤ -23.67	PASS
11N40SISO	Ant1	2422	Reference	-8.02	-8.02	---	PASS
			30~1000	-8.02	-60.33	≤ -28.02	PASS
			1000~26500	-8.02	-47.6	≤ -28.02	PASS
		2437	Reference	-7.68	-7.68	---	PASS
			30~1000	-7.68	-59.75	≤ -27.68	PASS
			1000~26500	-7.68	-47.45	≤ -27.68	PASS
		2452	Reference	-7.41	-7.41	---	PASS
			30~1000	-7.41	-60.6	≤ -27.41	PASS
			1000~26500	-7.41	-48.04	≤ -27.41	PASS

Test Graphs

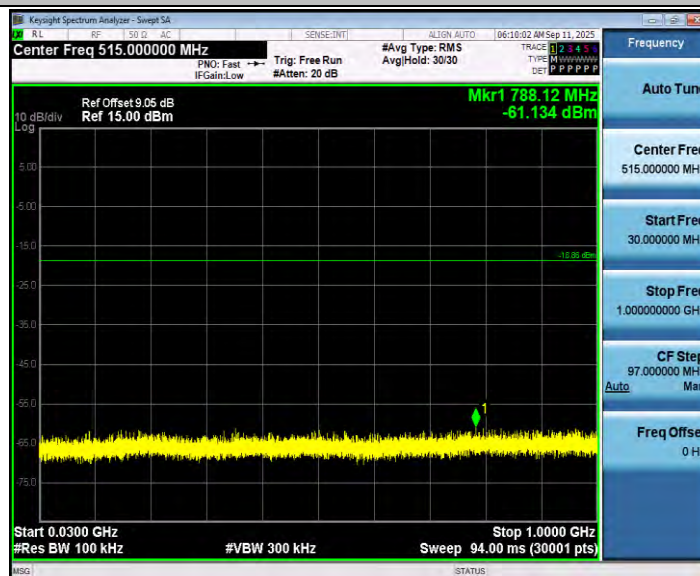




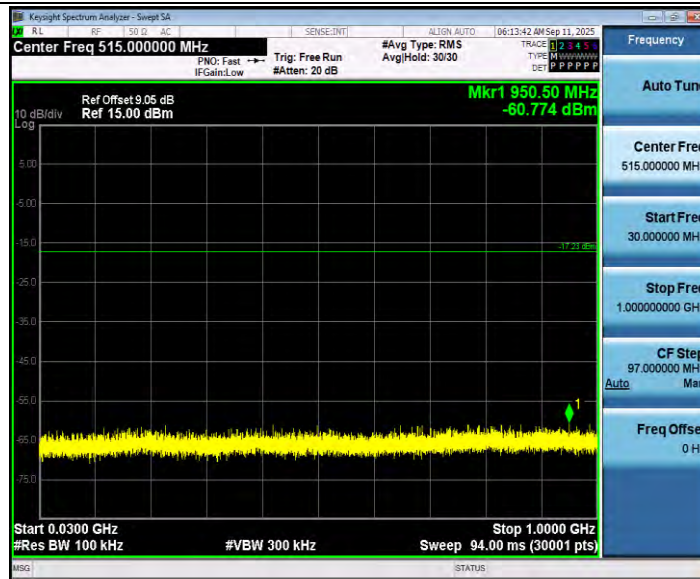
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



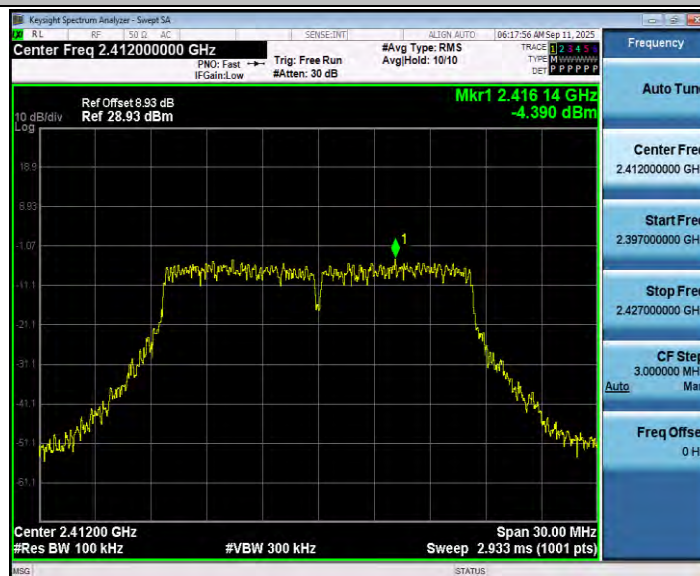




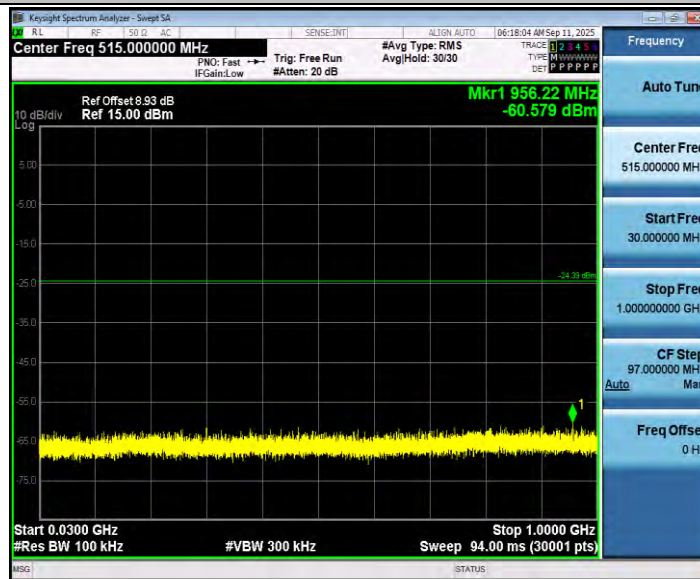
11B_Ant1_2462_1000~26500



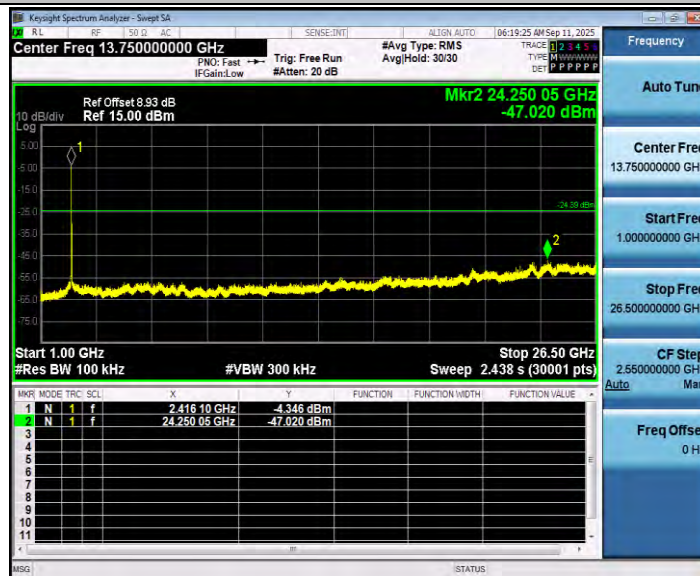
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



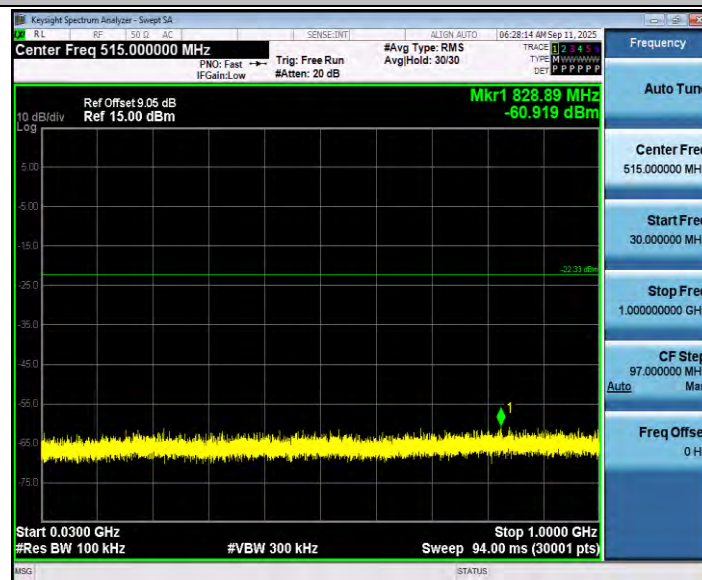
11G_Ant1_2437_1000~26500



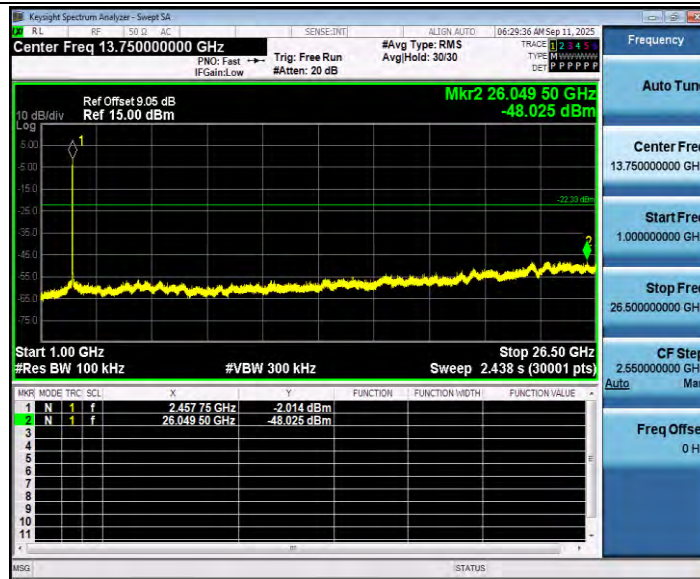
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



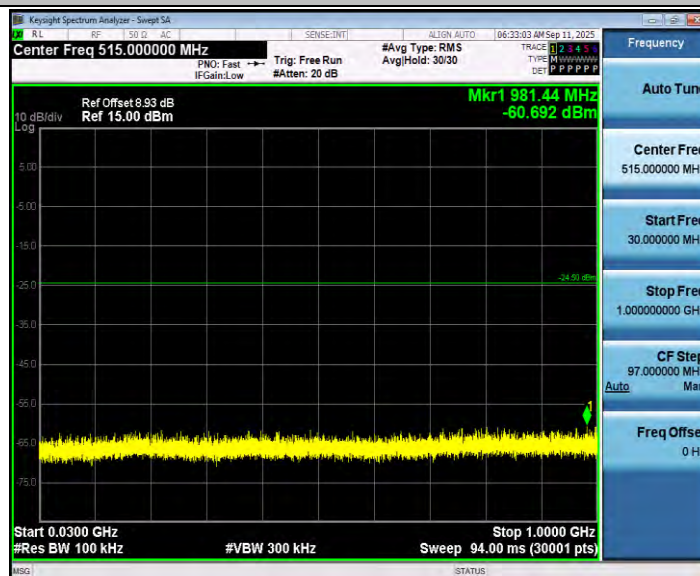
11G_Ant1_2462_1000~26500

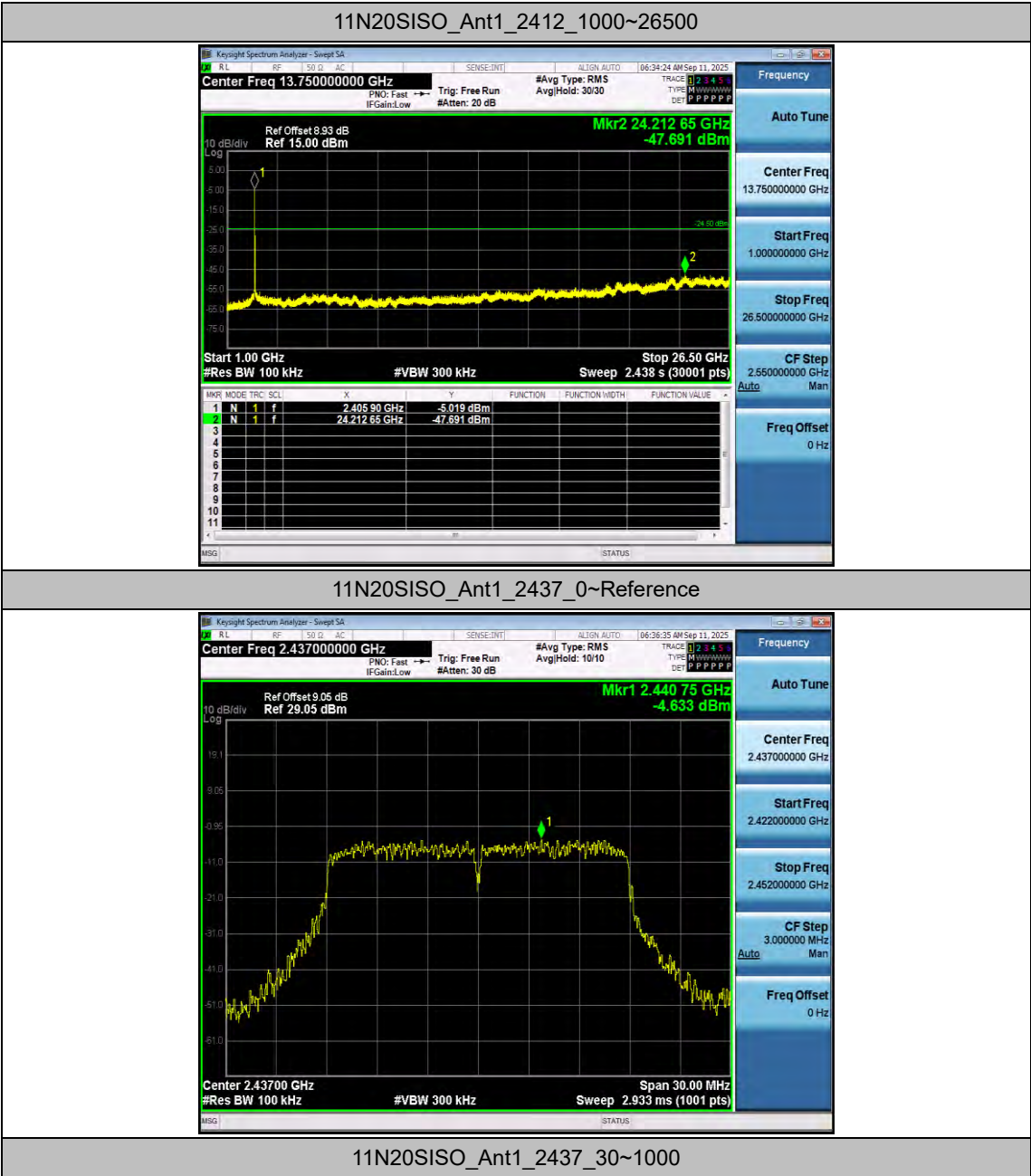


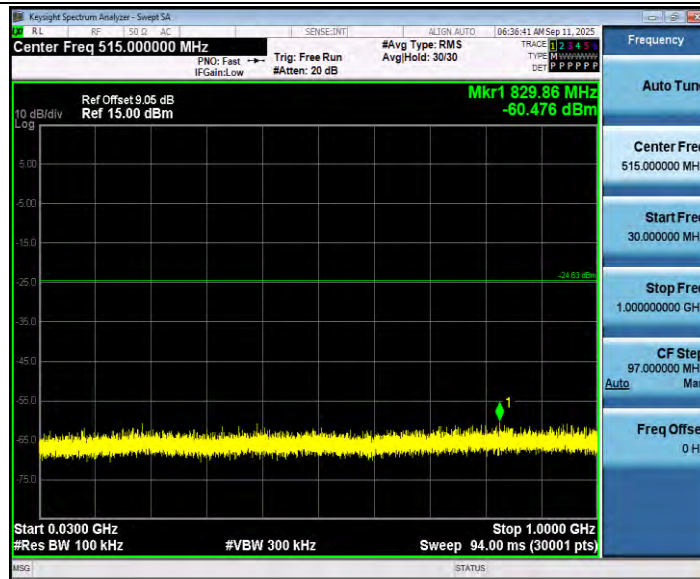
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000





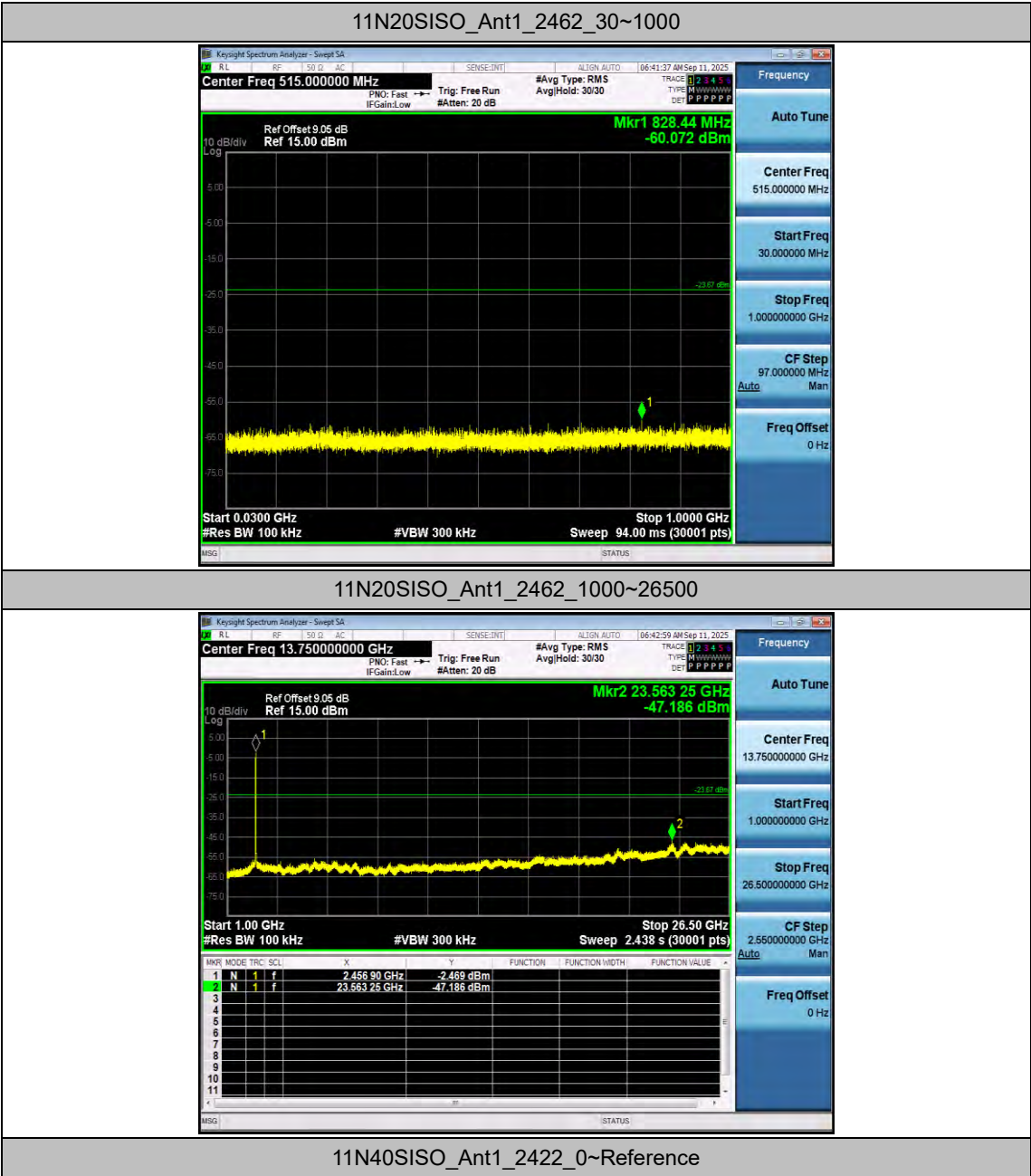


11N20SISO_Ant1_2437_1000~26500



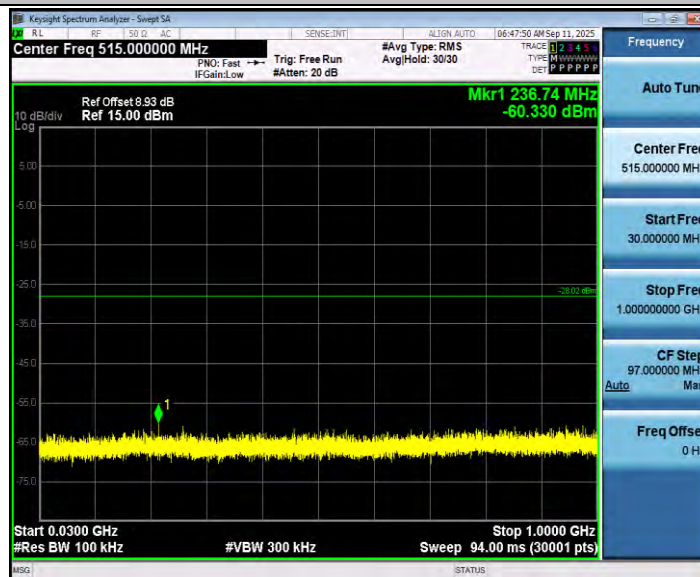
11N20SISO_Ant1_2462_0~Reference







11N40SISO_Ant1_2422_30~1000



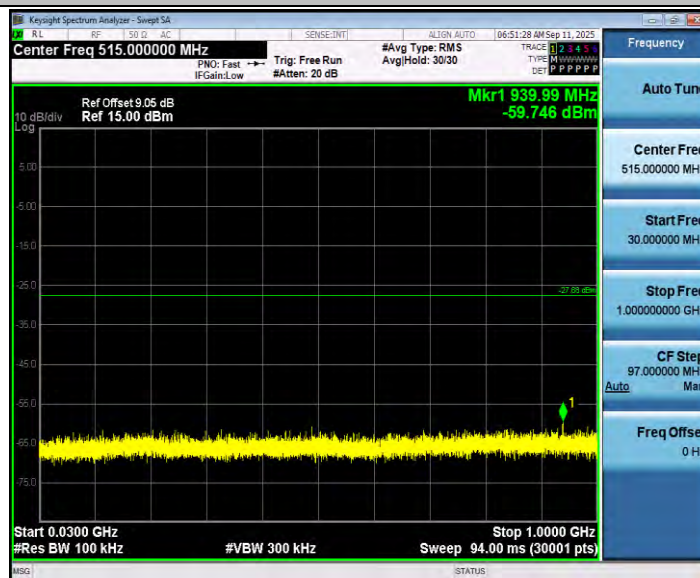
11N40SISO_Ant1_2422_1000~26500



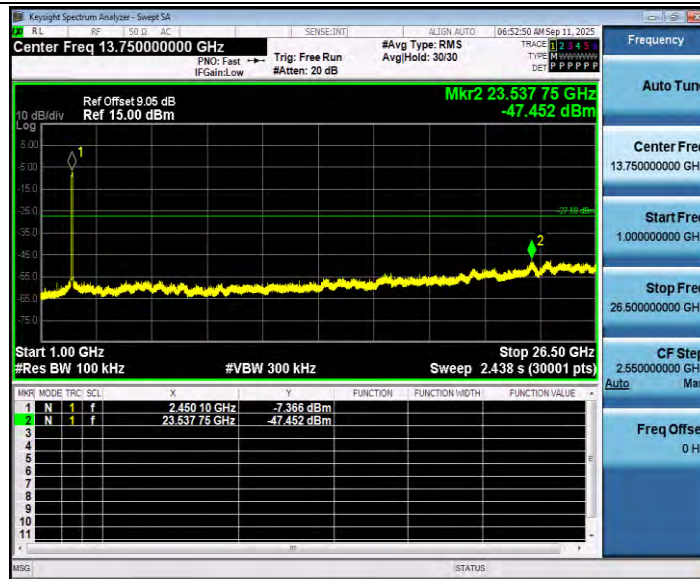
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



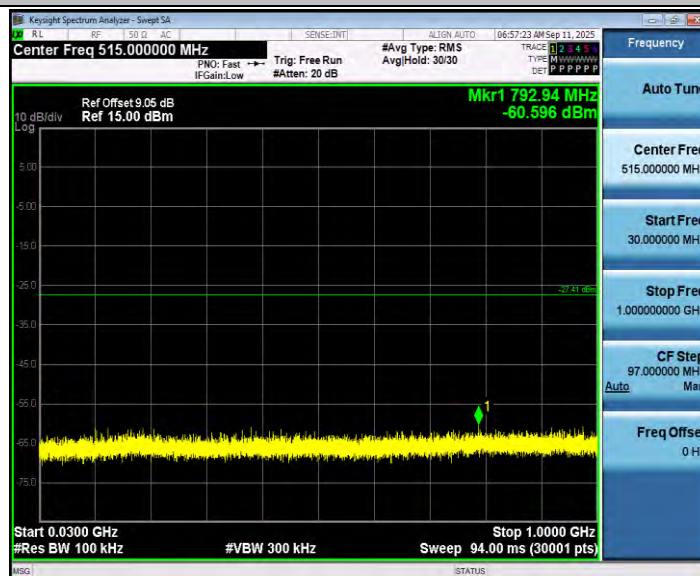
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



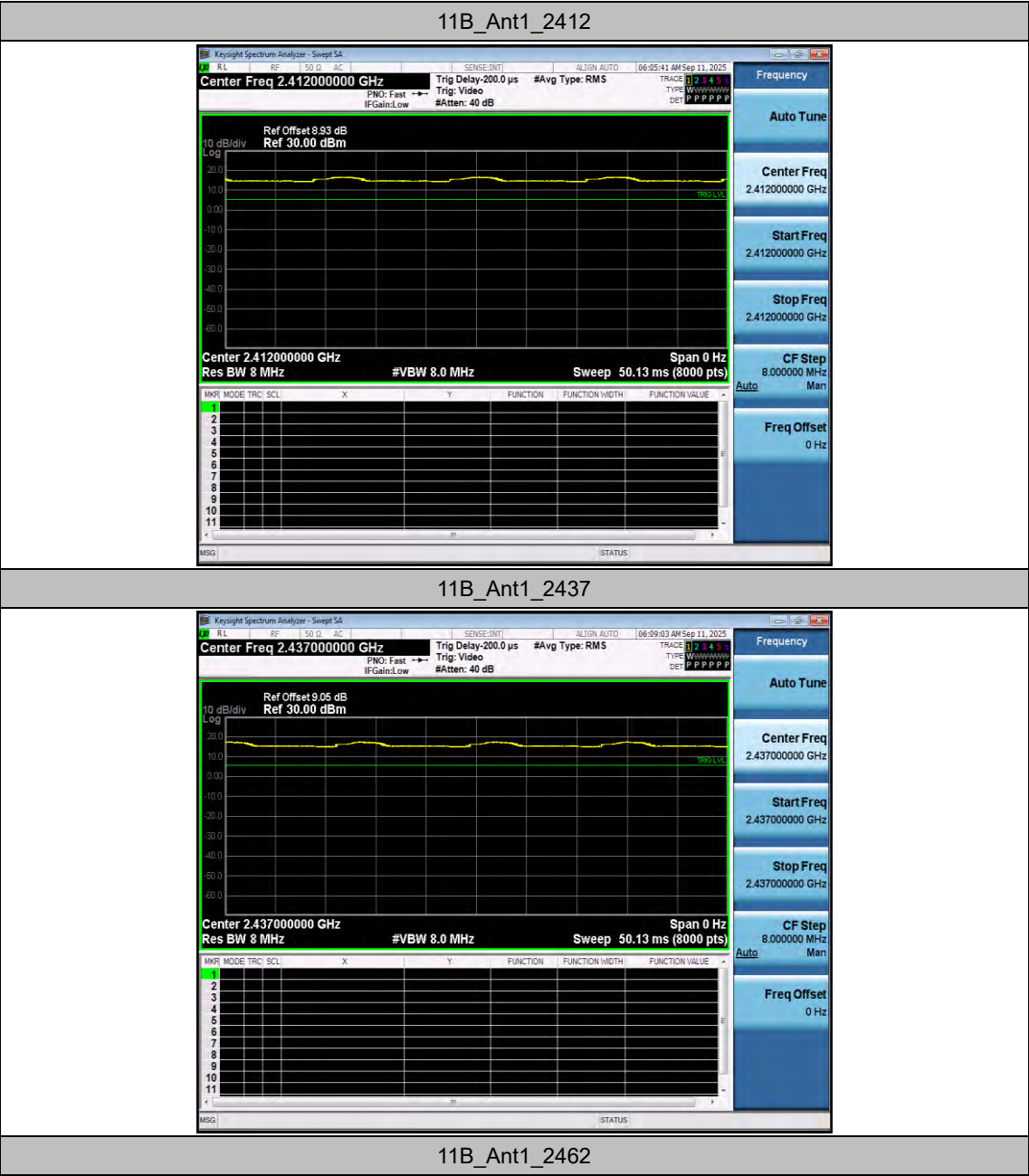


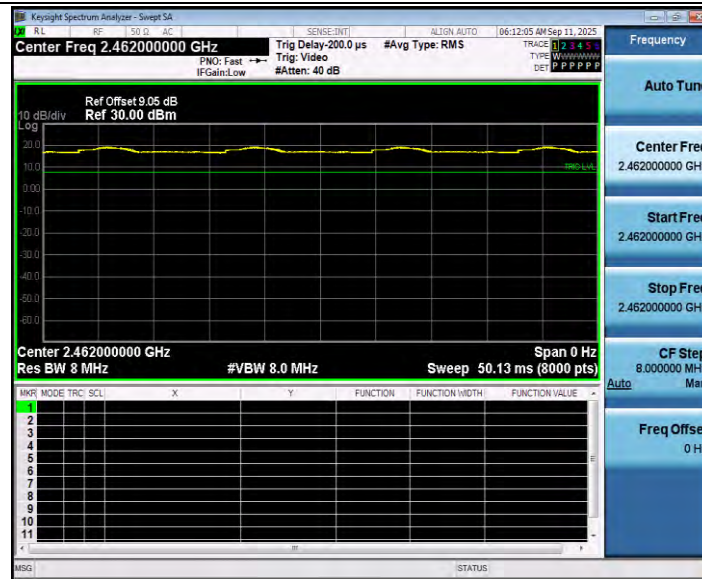
Appendix C.7: Duty Cycle

Test Result

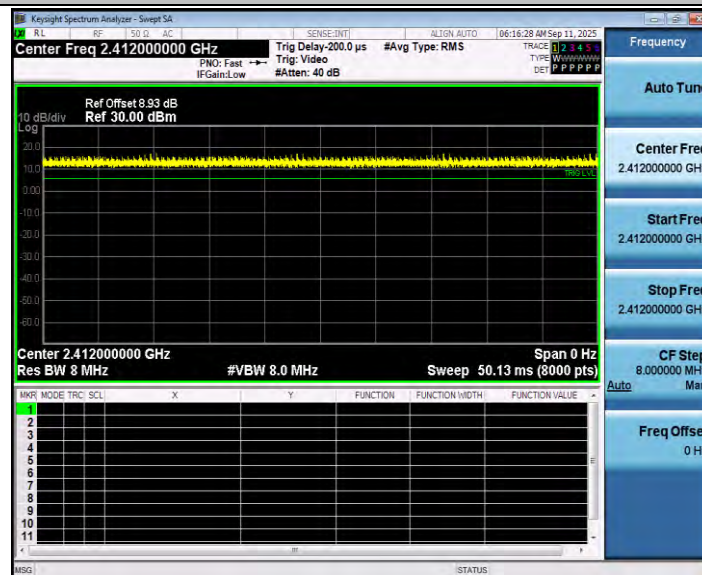
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2462	50.00	50.00	100.00	0.00	0.02
11G	Ant1	2412	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2462	50.00	50.00	100.00	0.00	0.02
11N20SISO	Ant1	2412	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2462	50.00	50.00	100.00	0.00	0.02
11N40SISO	Ant1	2422	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2452	50.00	50.00	100.00	0.00	0.02

Test Graphs





11G_Ant1_2412



11G_Ant1_2437

