

Case No. : <u>GTS20260113019-1-11</u>
Ambient Condition: <u>24 °C, 55%RH,</u>
Test Date: <u>2026.1.17-2026.3.4</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	9.160	2407.440	2416.600	0.5	PASS
		2437	9.160	2432.440	2441.600	0.5	PASS
		2462	9.200	2457.400	2466.600	0.5	PASS
11G	Ant1	2412	15.960	2403.960	2419.920	0.5	PASS
		2437	16.000	2429.080	2445.080	0.5	PASS
		2462	15.840	2454.000	2469.840	0.5	PASS
11N20SISO	Ant1	2412	17.040	2403.440	2420.480	0.5	PASS
		2437	16.360	2428.600	2444.960	0.5	PASS
		2462	16.680	2453.560	2470.240	0.5	PASS
11N40SISO	Ant1	2422	35.440	2404.400	2439.840	0.5	PASS
		2437	34.240	2419.960	2454.200	0.5	PASS
		2452	34.400	2435.120	2469.520	0.5	PASS

Test Graphs



11B_Ant1_2437

Frequency

Auto Tune

Center Freq
2.437000000 GHzStart Freq
2.417000000 GHzStop Freq
2.457000000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



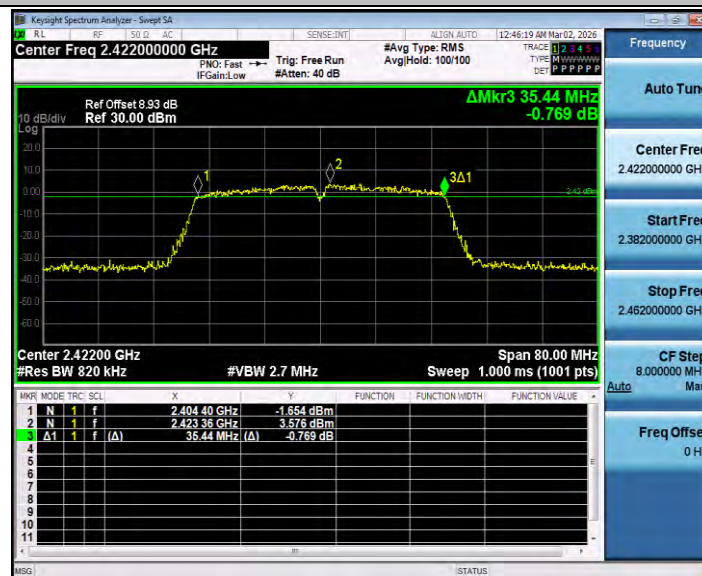
11N20SISO_Ant1_2437



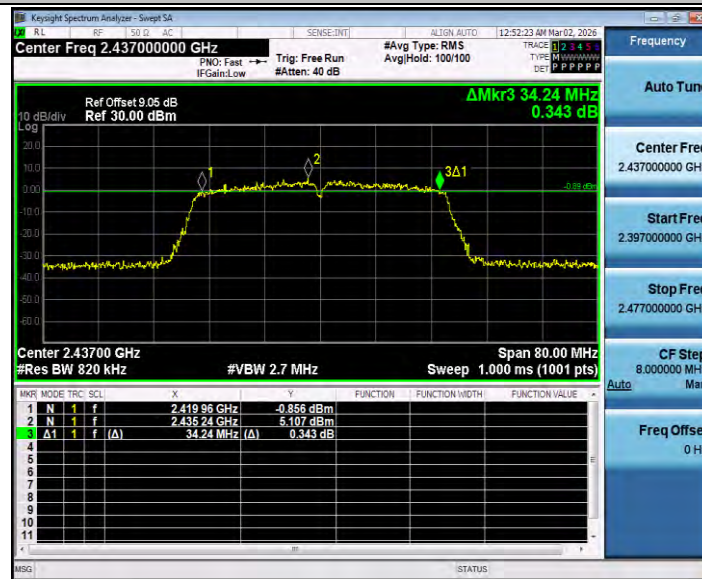
11N20SISO_Ant1_2462



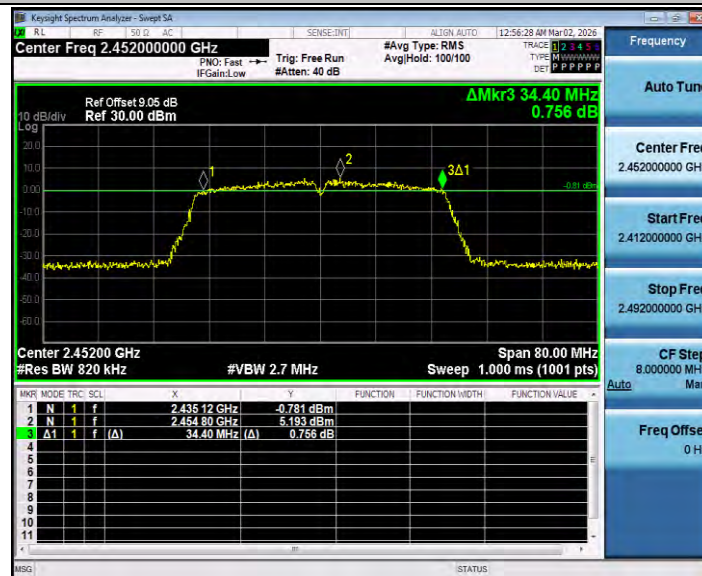
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



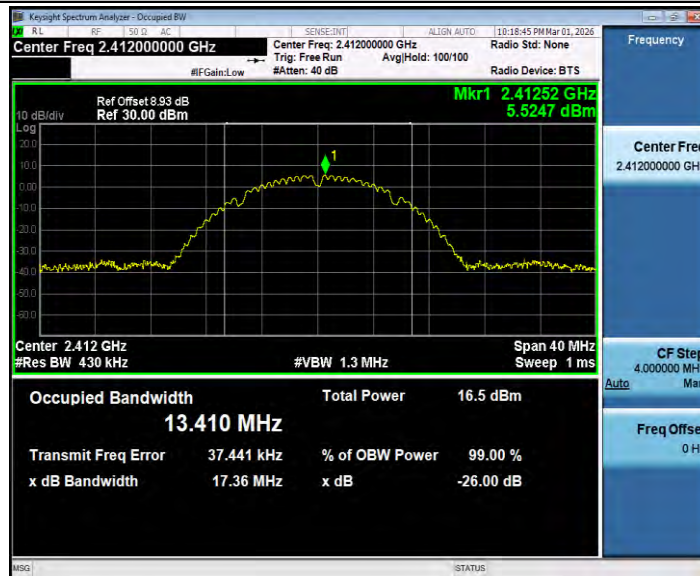
Appendix C.2: Occupied Channel Bandwidth

Test Result

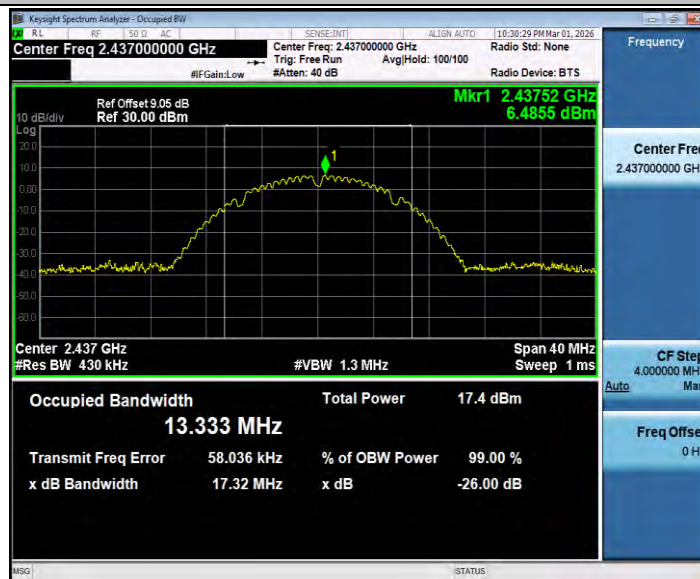
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.410	2405.3324	2418.7424	---	---
		2437	13.333	2430.3915	2443.7245	---	---
		2462	13.313	2455.3477	2468.6607	---	---
11G	Ant1	2412	16.713	2403.6481	2420.3611	---	---
		2437	16.692	2428.6590	2445.3510	---	---
		2462	16.663	2453.6474	2470.3104	---	---
11N20SISO	Ant1	2412	17.726	2403.1511	2420.8771	---	---
		2437	17.725	2428.1927	2445.9177	---	---
		2462	17.708	2453.1762	2470.8842	---	---
11N40SISO	Ant1	2422	36.205	2403.9731	2440.1781	---	---
		2437	36.163	2419.0517	2455.2147	---	---
		2452	35.986	2434.0869	2470.0729	---	---

Test Graphs

11B_Ant1_2412



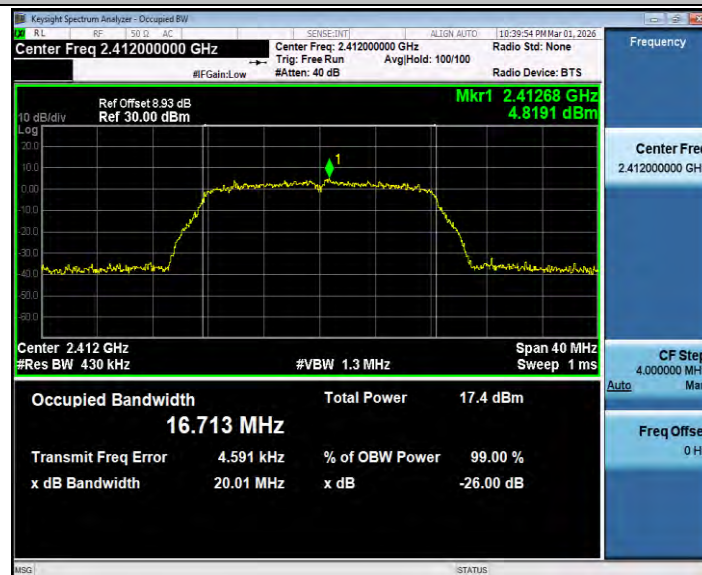
11B_Ant1_2437



11B_Ant1_2462



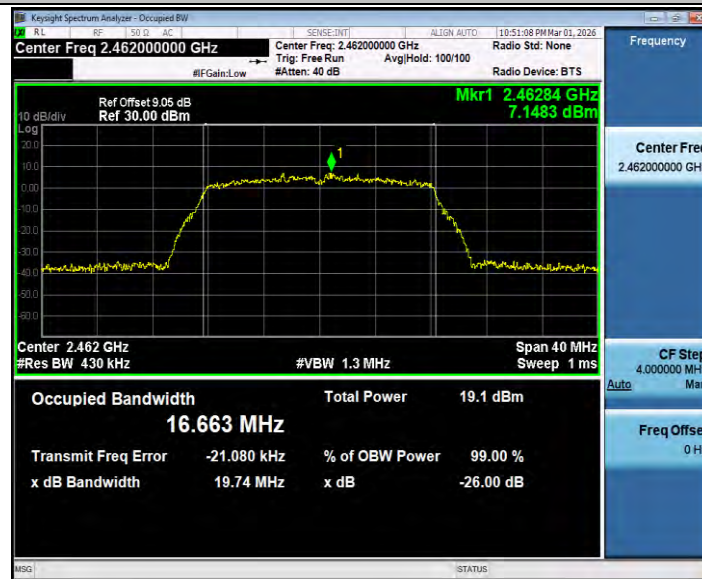
11G_Ant1_2412



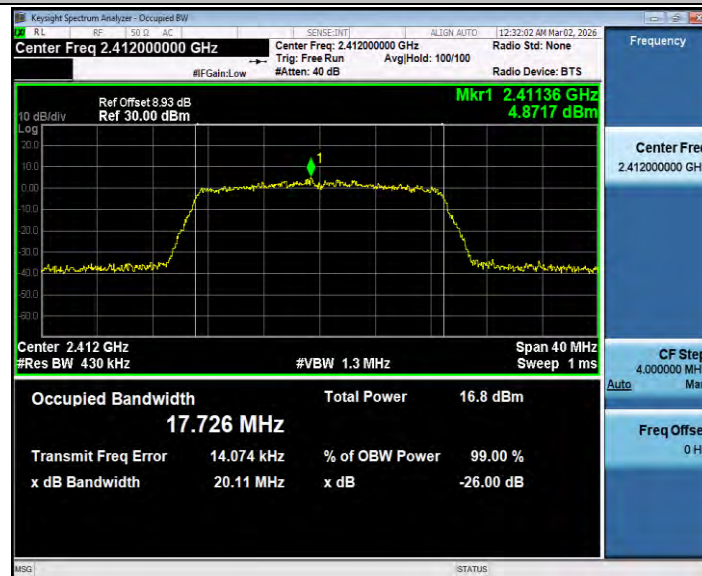
11G_Ant1_2437



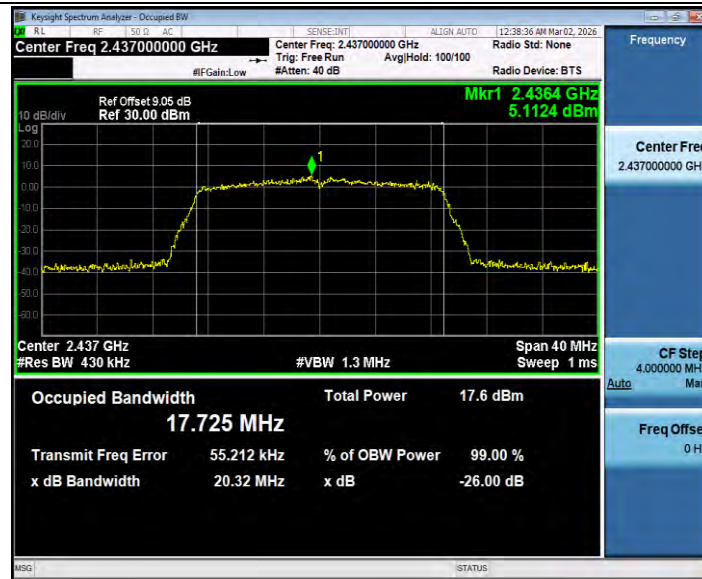
11G_Ant1_2462



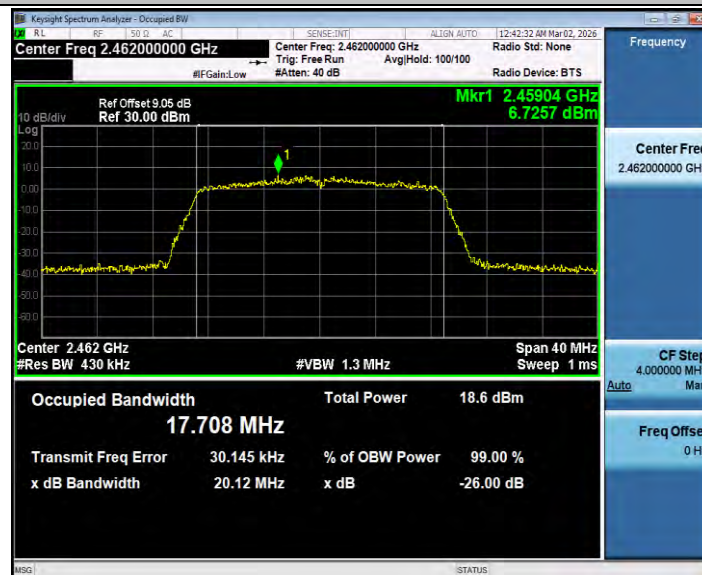
11N20SISO_Ant1_2412



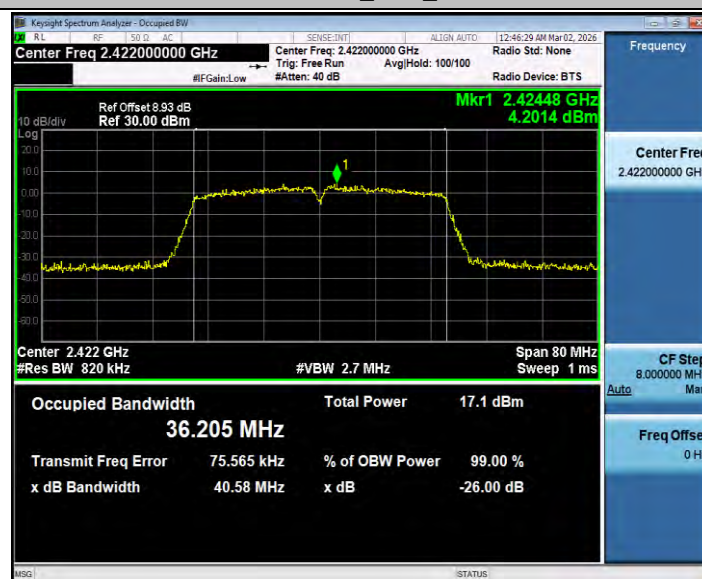
11N20SISO_Ant1_2437

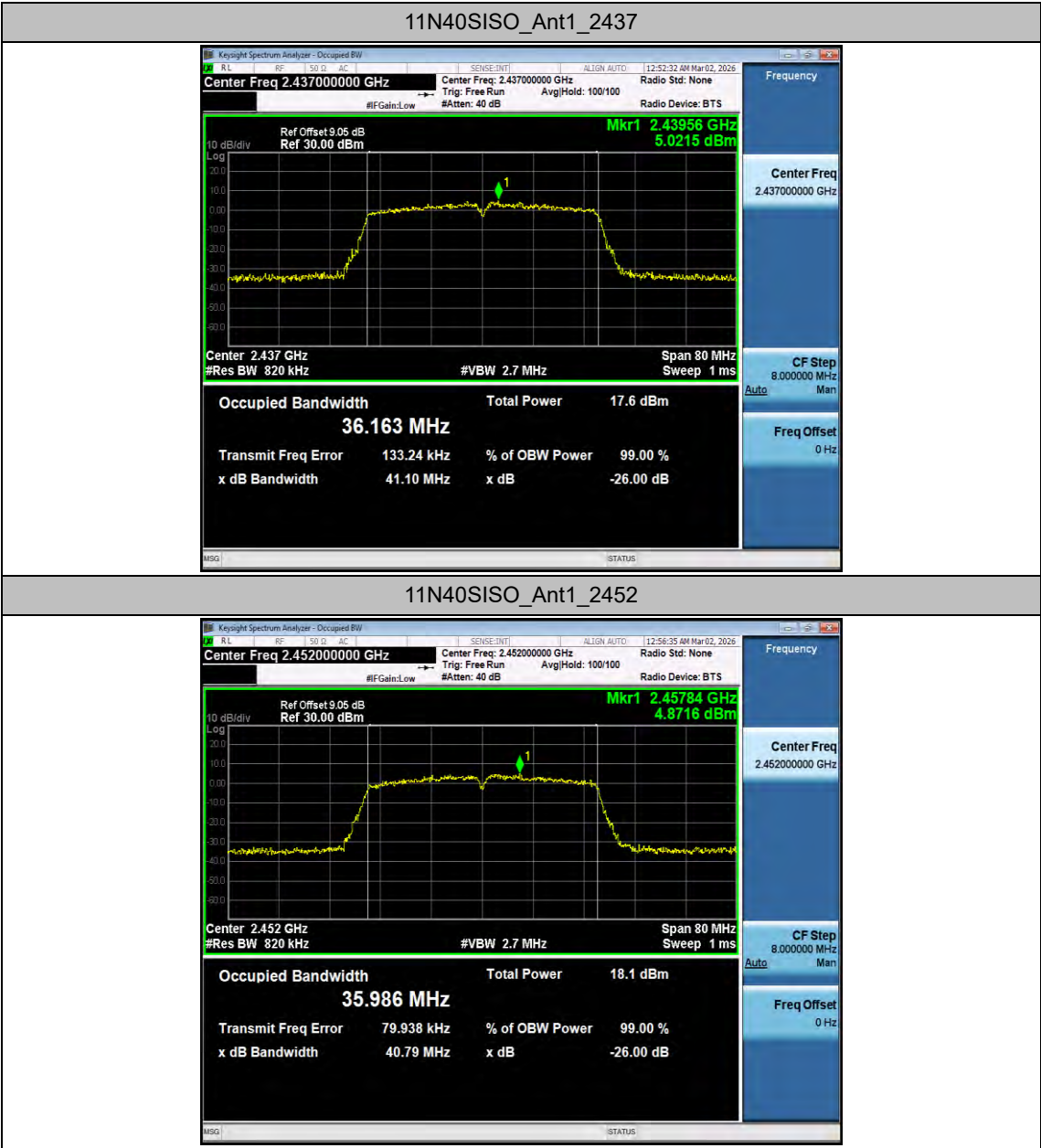


11N20SISO_Ant1_2462



11N40SISO_Ant1_2422





Appendix C.3: Maximum conducted output power

Test Result -CHP

TestMode	Antenna	Frequency [MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	16.51	≤30.00	PASS
		2437	17.45	≤30.00	PASS
		2462	18.25	≤30.00	PASS
11G	Ant1	2412	18.40	≤30.00	PASS
		2437	19.26	≤30.00	PASS
		2462	20.13	≤30.00	PASS
11N20SISO	Ant1	2412	17.65	≤30.00	PASS
		2437	18.56	≤30.00	PASS
		2462	19.41	≤30.00	PASS
11N40SISO	Ant1	2422	17.19	≤30.00	PASS
		2437	17.83	≤30.00	PASS
		2452	18.08	≤30.00	PASS

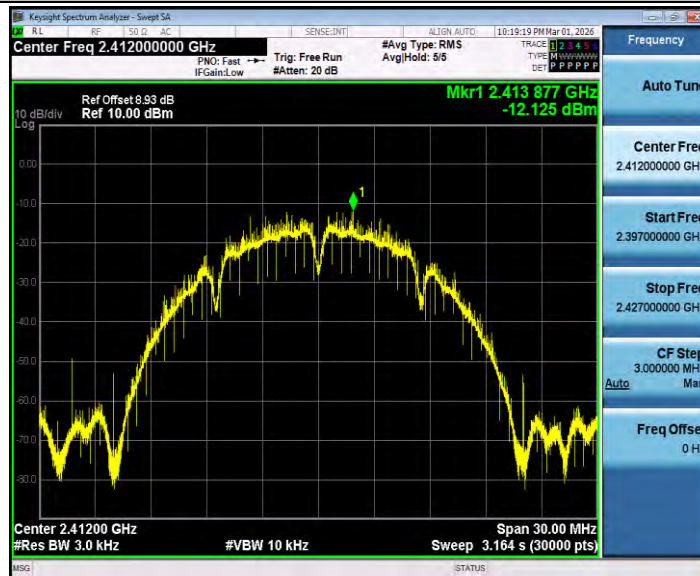
Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.13	≤8.00	PASS
		2437	-9.92	≤8.00	PASS
		2462	-9.75	≤8.00	PASS
11G	Ant1	2412	-14.66	≤8.00	PASS
		2437	-14.19	≤8.00	PASS
		2462	-11.87	≤8.00	PASS
11N20SISO	Ant1	2412	-14.91	≤8.00	PASS
		2437	-13.85	≤8.00	PASS
		2462	-13.81	≤8.00	PASS
11N40SISO	Ant1	2422	-18.14	≤8.00	PASS
		2437	-17.20	≤8.00	PASS
		2452	-16.82	≤8.00	PASS

Test Graphs

11B_Ant1_2412



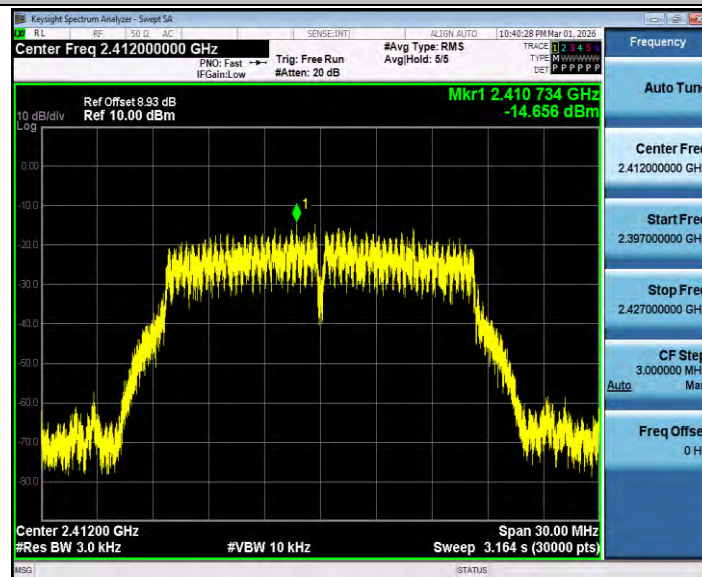
11B_Ant1_2437



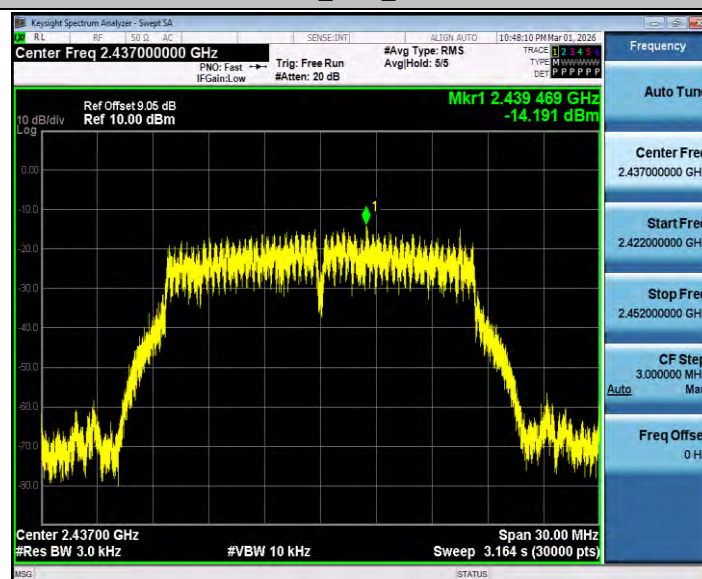
11B_Ant1_2462



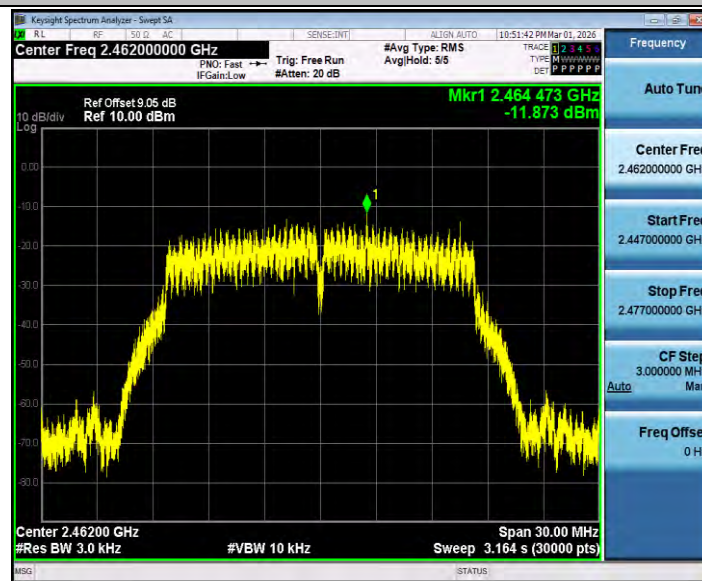
11G_Ant1_2412



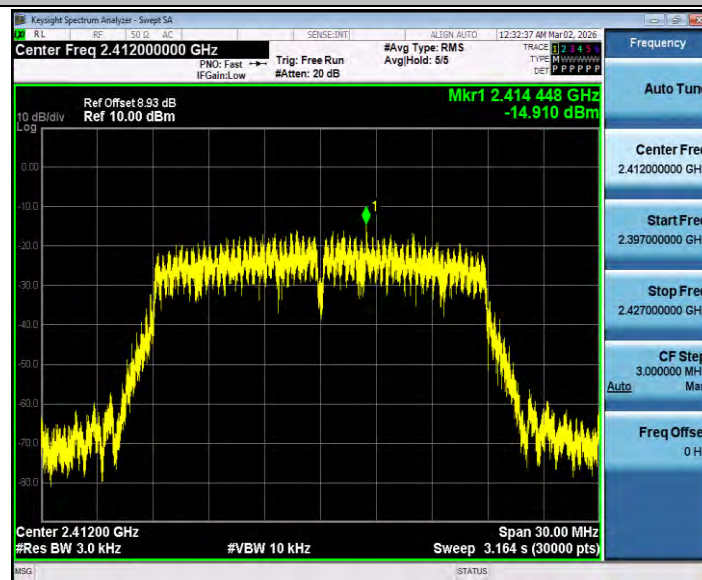
11G_Ant1_2437



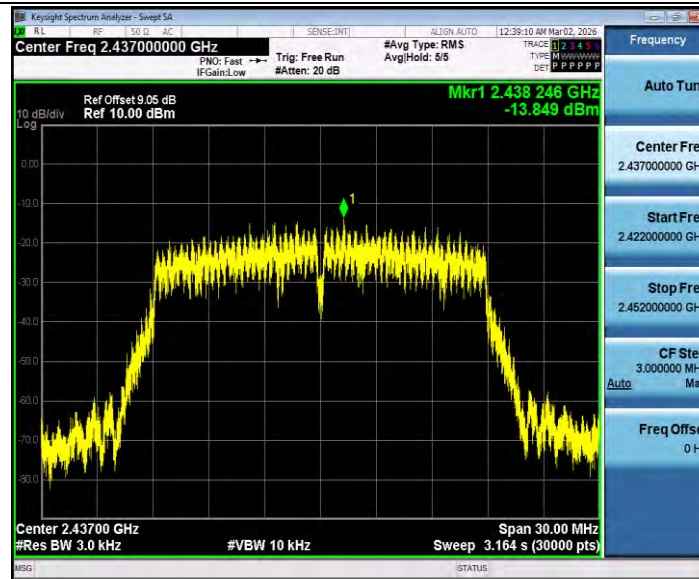
11G_Ant1_2462



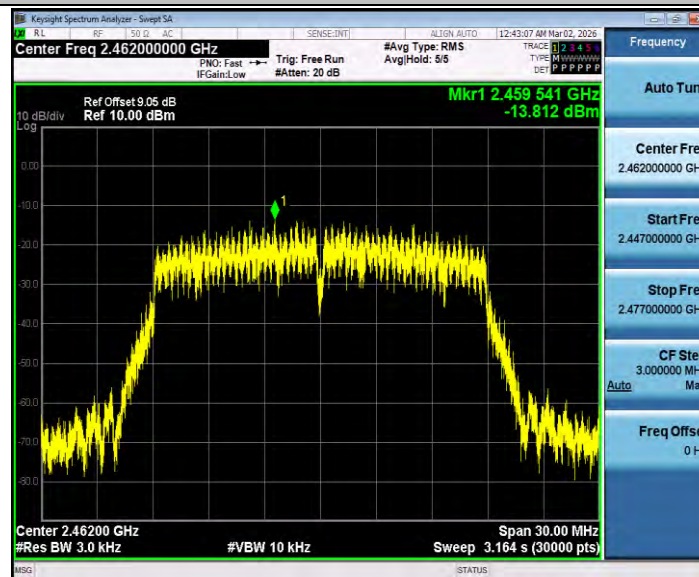
11N20SISO_Ant1_2412



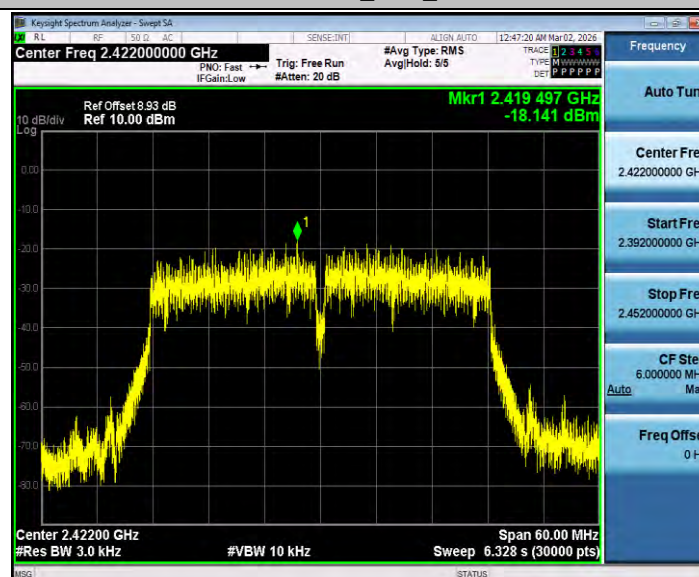
11N20SISO_Ant1_2437



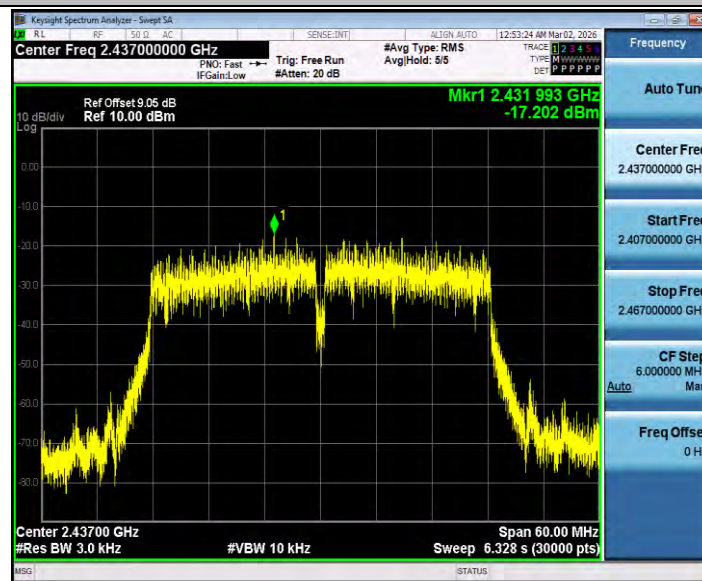
11N20SISO_Ant1_2462



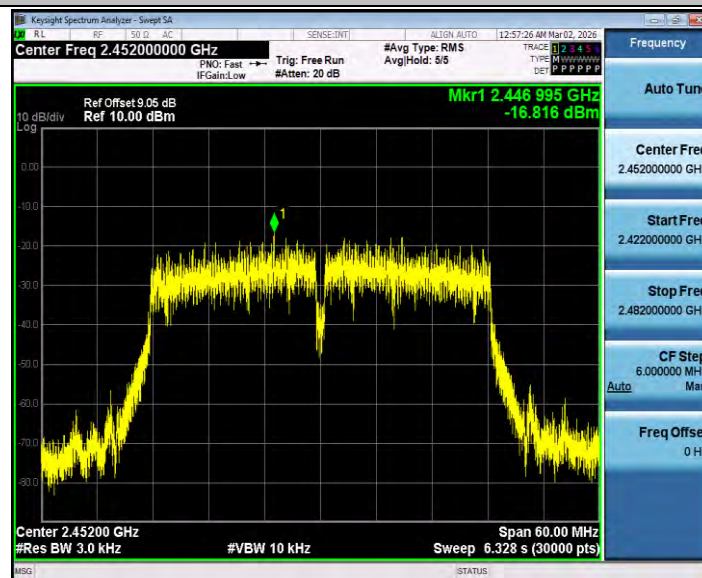
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



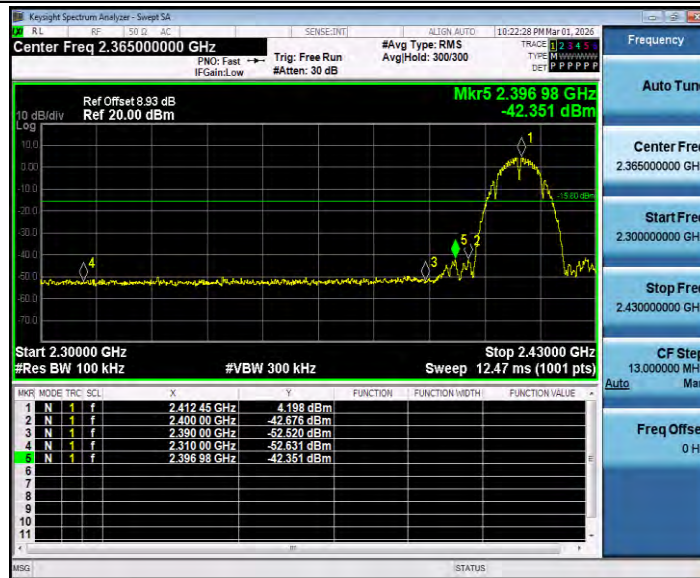
Appendix C.5:Band edge measurements

Test Result

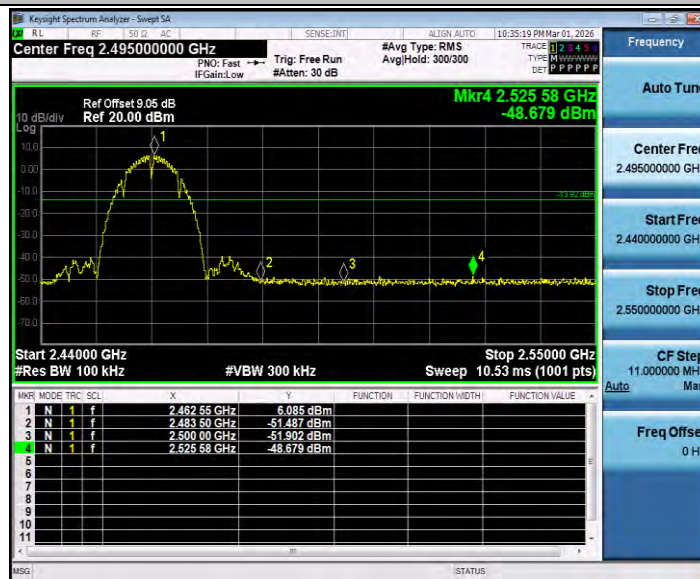
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.20	-42.35	≤ -15.8	PASS
		High	2462	6.09	-48.68	≤ -13.92	PASS
11G	Ant1	Low	2412	0.93	-43.32	≤ -19.07	PASS
		High	2462	2.70	-48.25	≤ -17.3	PASS
11N20SISO	Ant1	Low	2412	0.28	-43.68	≤ -19.72	PASS
		High	2462	2.28	-48.72	≤ -17.72	PASS
11N40SISO	Ant1	Low	2422	-2.97	-41.09	≤ -22.97	PASS
		High	2452	-1.86	-45.65	≤ -21.86	PASS

Test Graphs

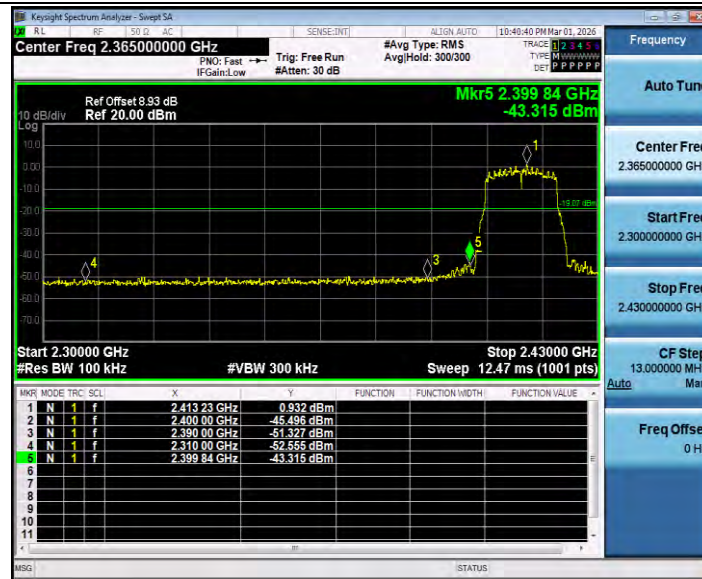
11B_Ant1_Low_2412



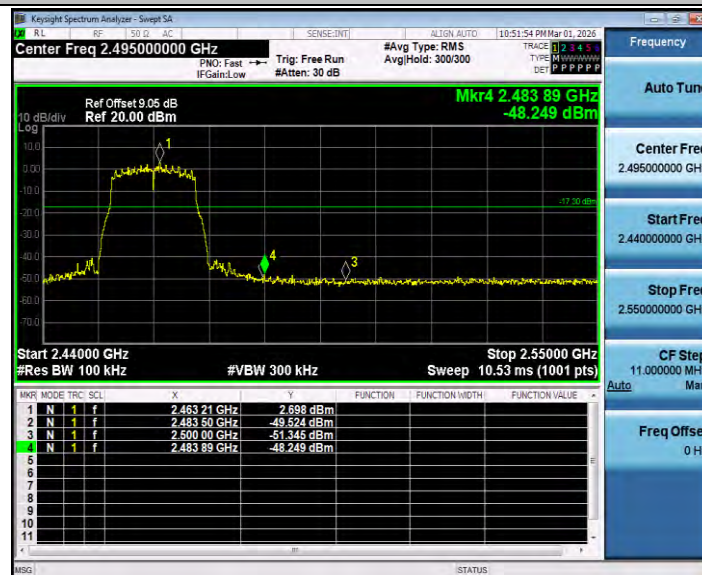
11B_Ant1_High_2462



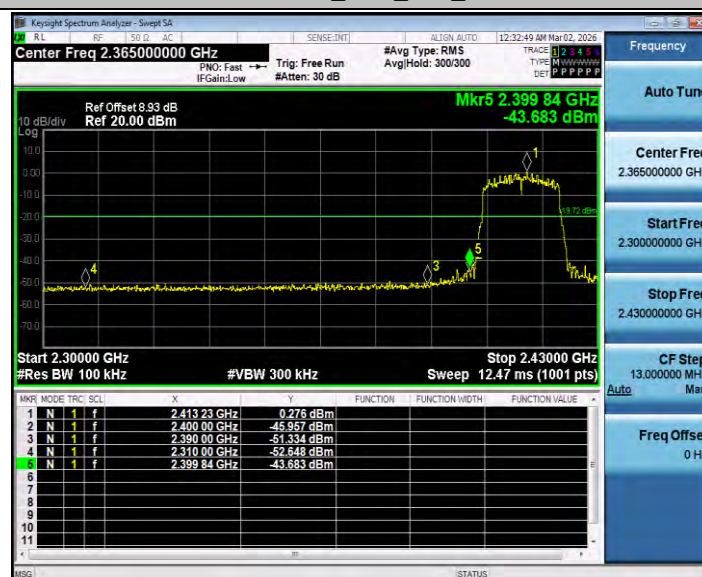
11G_Ant1_Low_2412



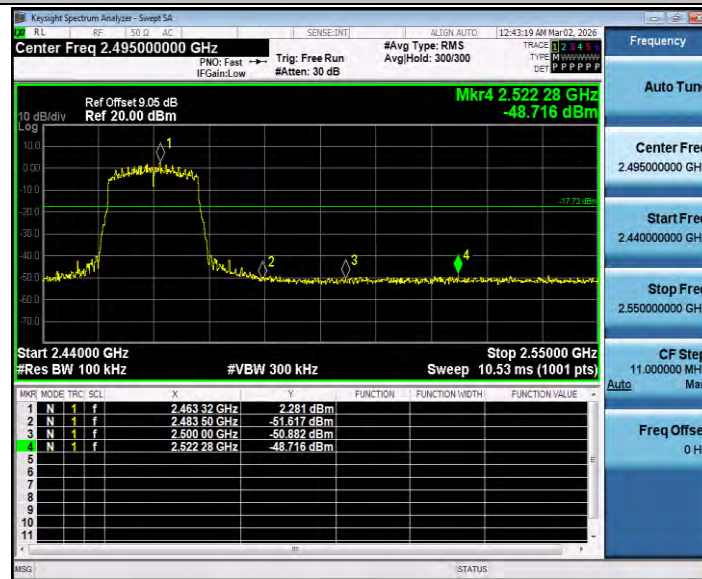
11G_Ant1_High_2462



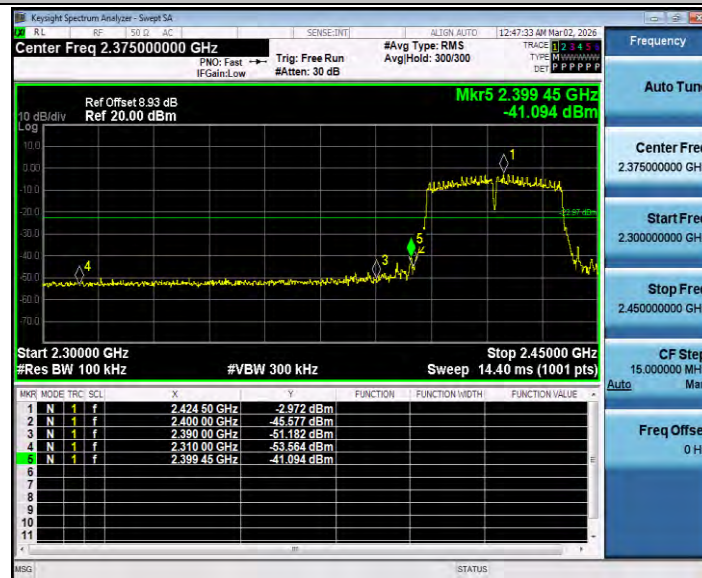
11N20SISO_Ant1_Low_2412



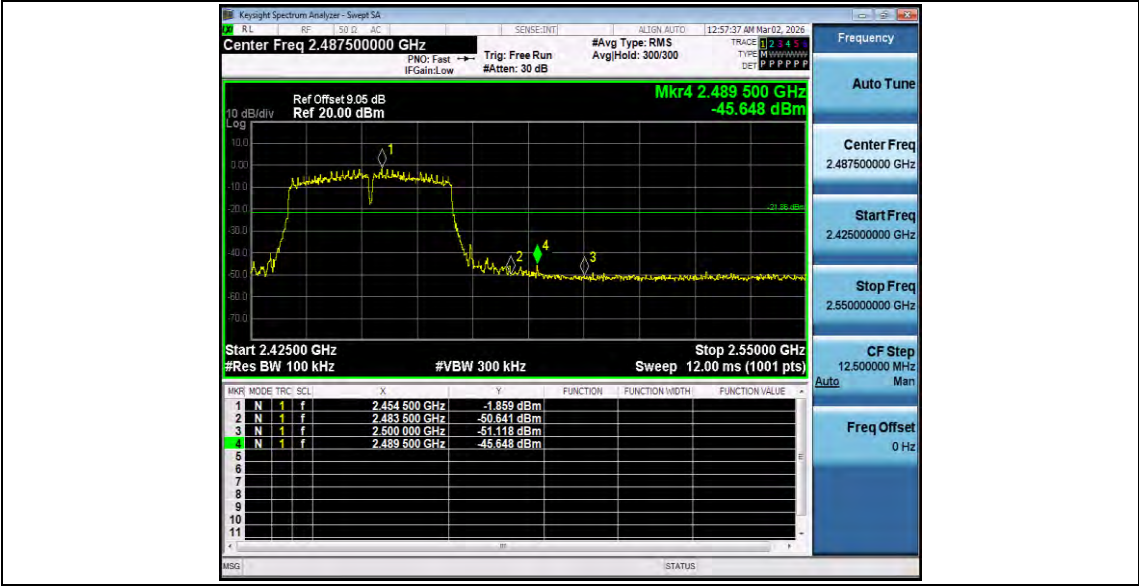
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

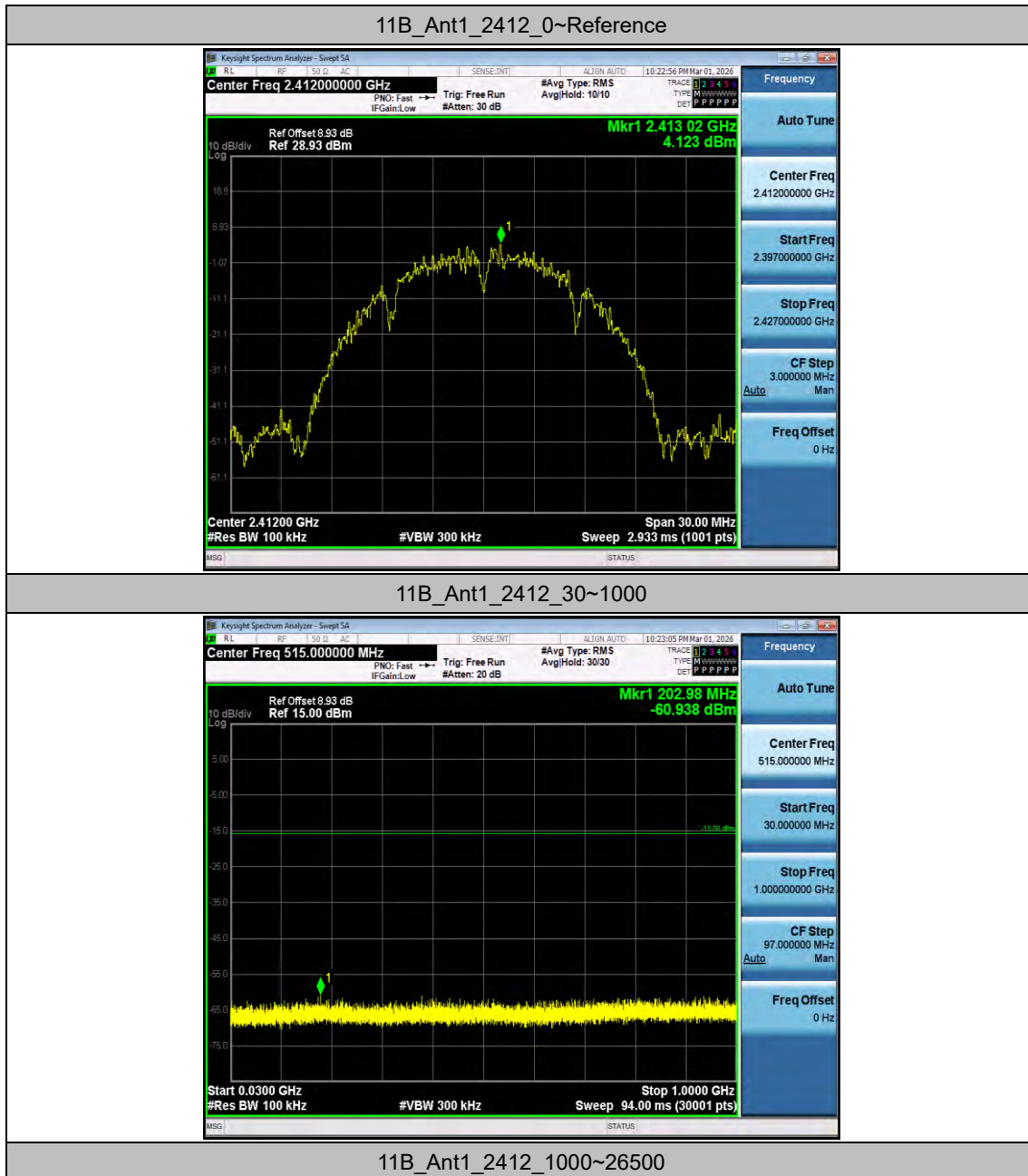


Appendix C.6:Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.12	4.12	---	PASS
			30~1000	4.12	-60.94	≤-15.88	PASS
			1000~26500	4.12	-47.94	≤-15.88	PASS
		2437	Reference	4.63	4.63	---	PASS
			30~1000	4.63	-60.12	≤-15.37	PASS
			1000~26500	4.63	-47.67	≤-15.37	PASS
		2462	Reference	5.61	5.61	---	PASS
			30~1000	5.61	-60.29	≤-14.39	PASS
			1000~26500	5.61	-47.89	≤-14.39	PASS
11G	Ant1	2412	Reference	-0.11	-0.11	---	PASS
			30~1000	-0.11	-60.57	≤-20.11	PASS
			1000~26500	-0.11	-48	≤-20.11	PASS
		2437	Reference	-1.11	-1.11	---	PASS
			30~1000	-1.11	-60.28	≤-21.11	PASS
			1000~26500	-1.11	-47.69	≤-21.11	PASS
		2462	Reference	1.91	1.91	---	PASS
			30~1000	1.91	-60.2	≤-18.09	PASS
			1000~26500	1.91	-47.24	≤-18.09	PASS
11N20SISO	Ant1	2412	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-60.05	≤-20.48	PASS
			1000~26500	-0.48	-47.57	≤-20.48	PASS
		2437	Reference	-0.29	-0.29	---	PASS
			30~1000	-0.29	-60.1	≤-20.29	PASS
			1000~26500	-0.29	-47.34	≤-20.29	PASS
		2462	Reference	0.67	0.67	---	PASS
			30~1000	0.67	-59.97	≤-19.33	PASS
			1000~26500	0.67	-48.07	≤-19.33	PASS
11N40SISO	Ant1	2422	Reference	-3.17	-3.17	---	PASS
			30~1000	-3.17	-59.07	≤-23.17	PASS
			1000~26500	-3.17	-48.04	≤-23.17	PASS
		2437	Reference	-2.79	-2.79	---	PASS
			30~1000	-2.79	-60.2	≤-22.79	PASS
			1000~26500	-2.79	-47.73	≤-22.79	PASS
		2452	Reference	-2.63	-2.63	---	PASS
			30~1000	-2.63	-59.93	≤-22.63	PASS
			1000~26500	-2.63	-47.26	≤-22.63	PASS

Test Graphs

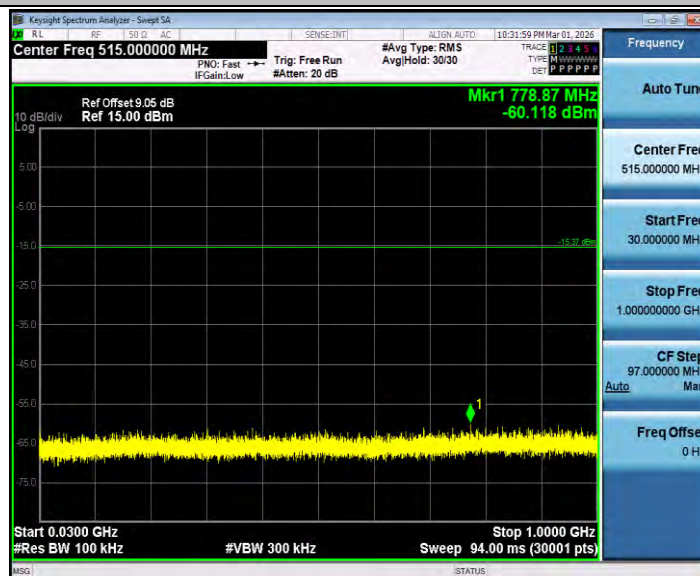


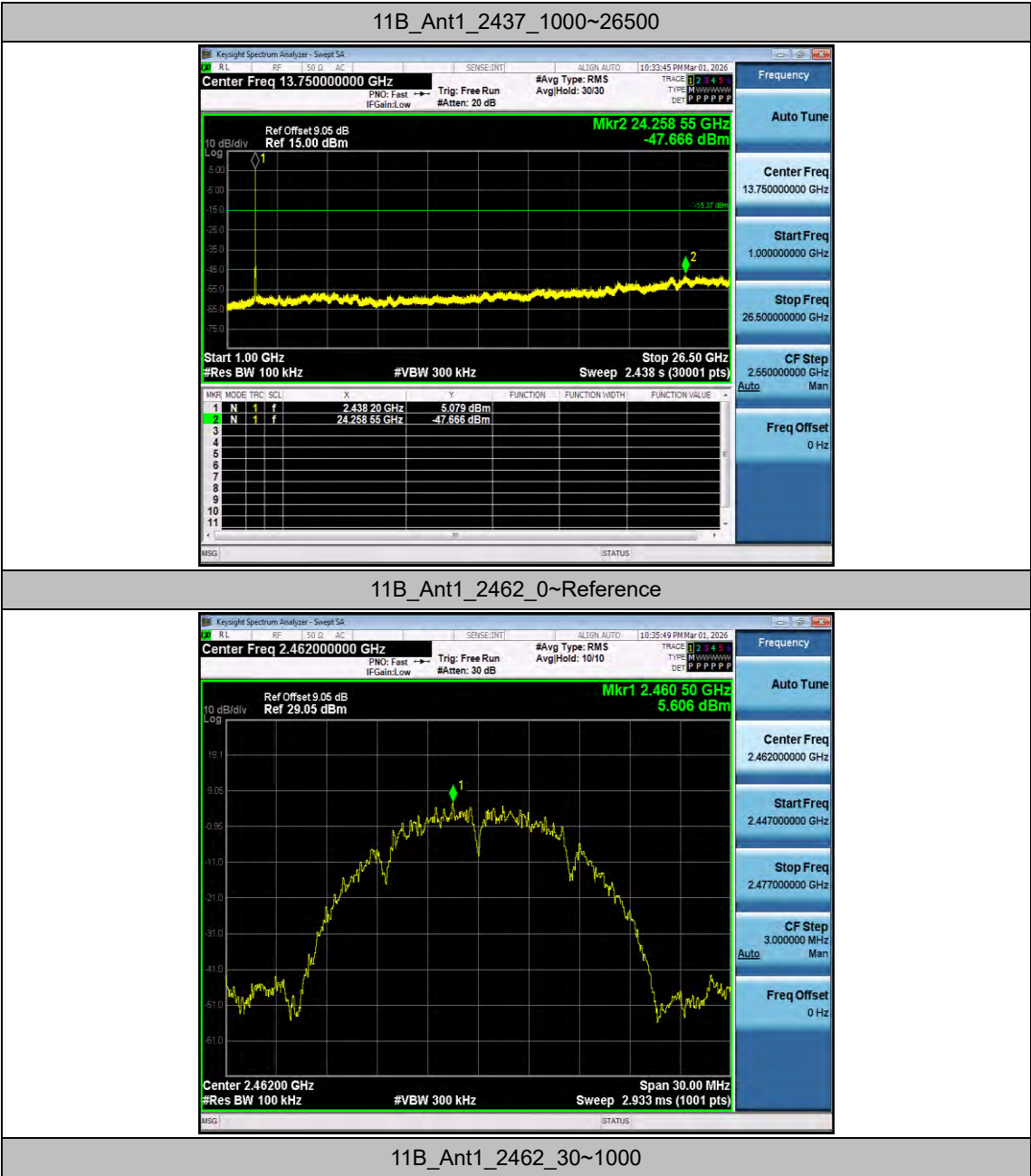


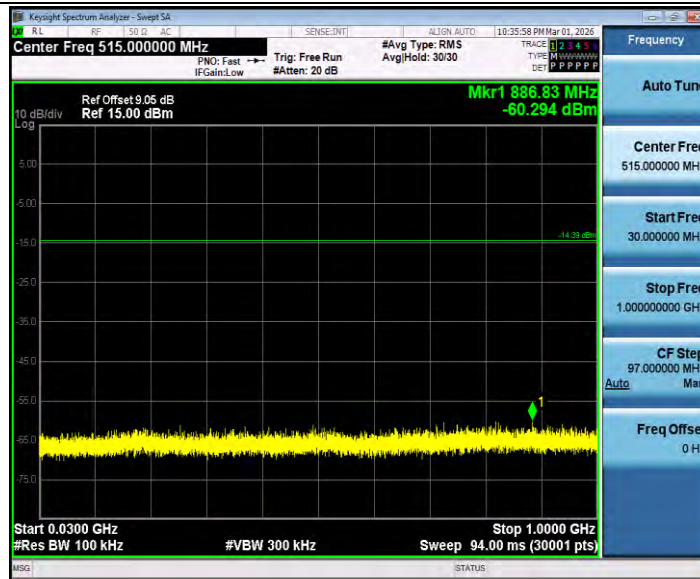
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



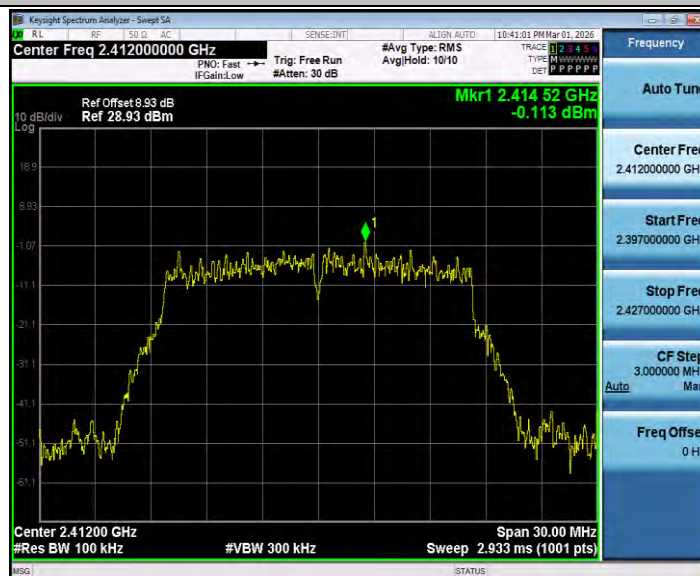


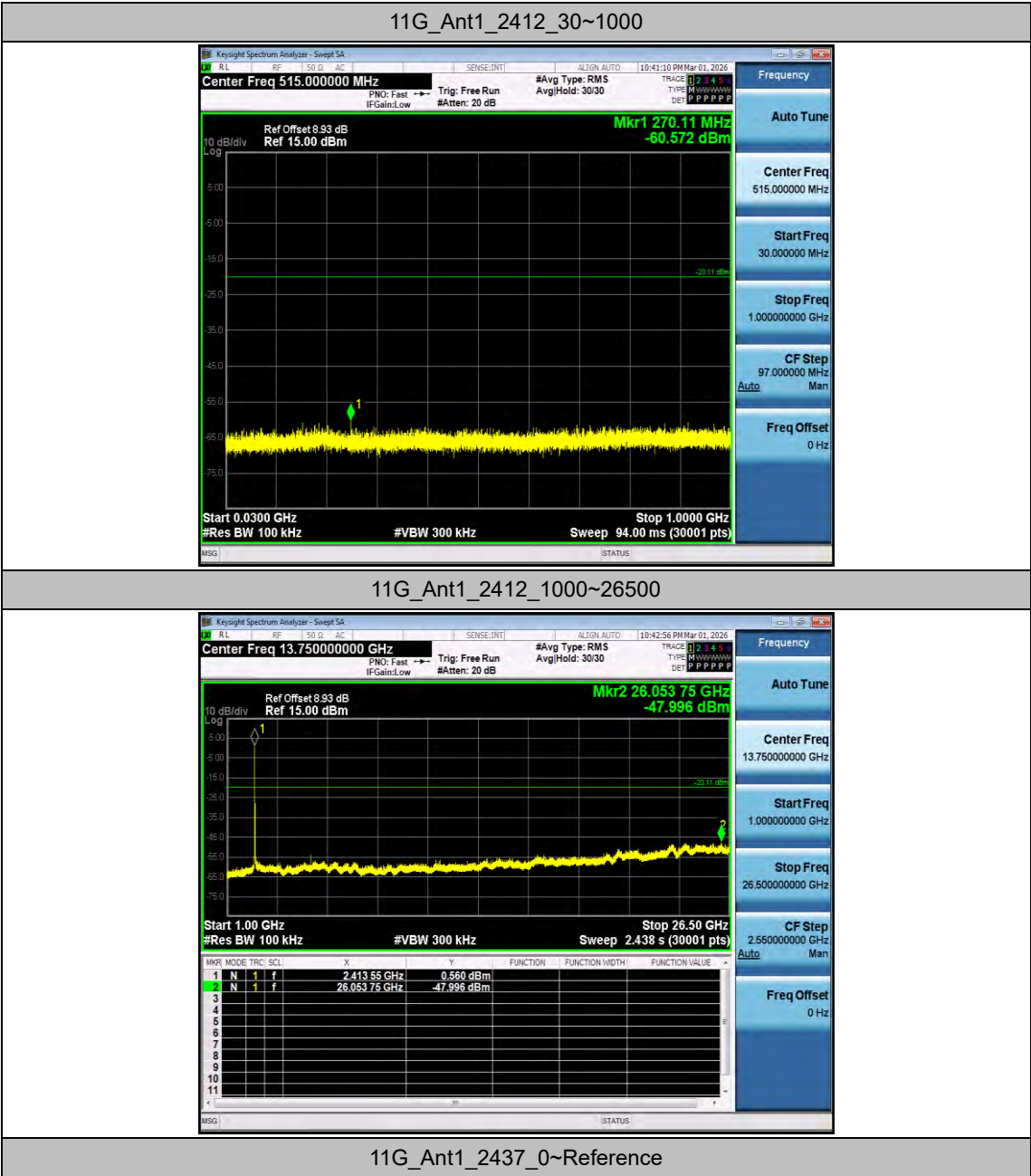


11B_Ant1_2462_1000~26500



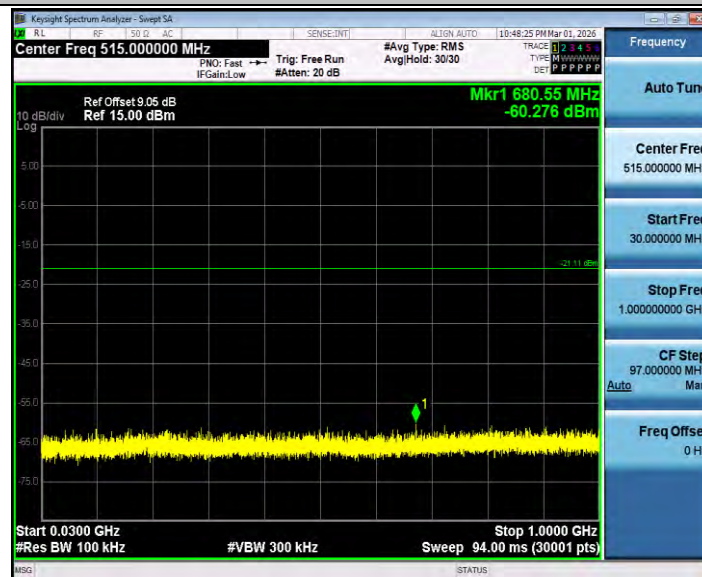
11G_Ant1_2412_0~Reference







11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



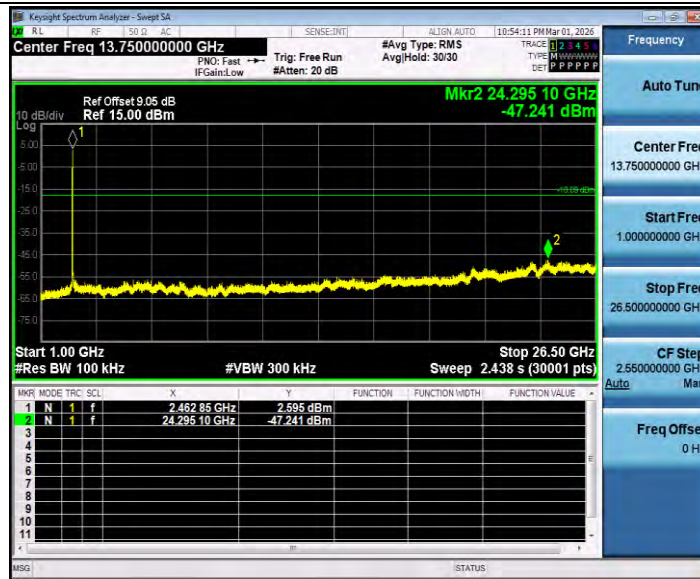
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



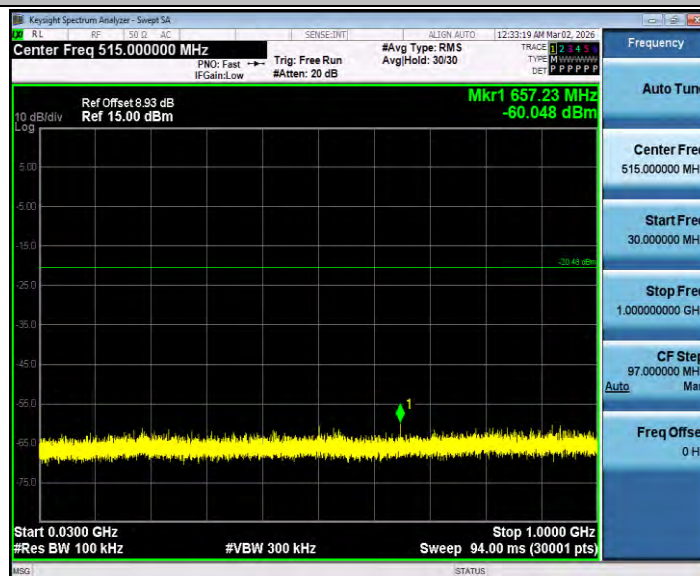
11G_Ant1_2462_1000~26500



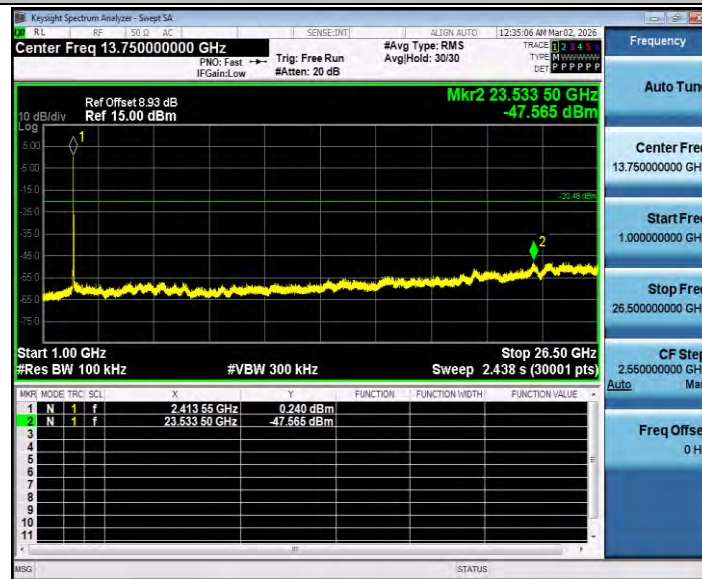
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



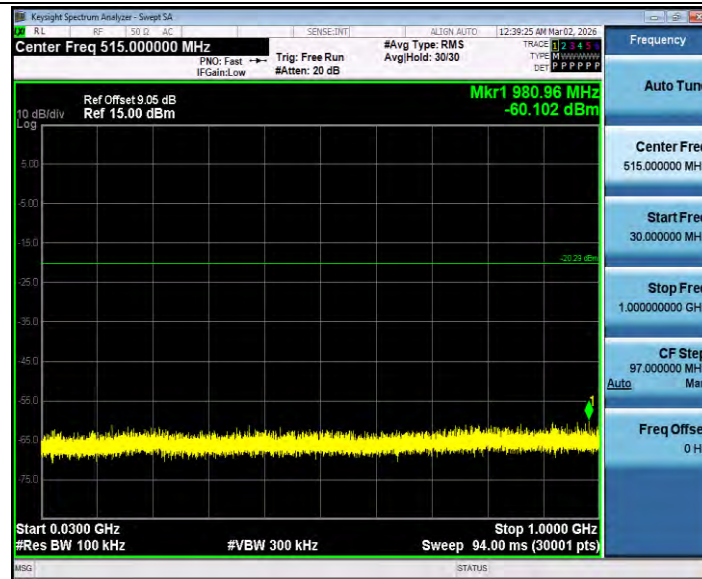
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



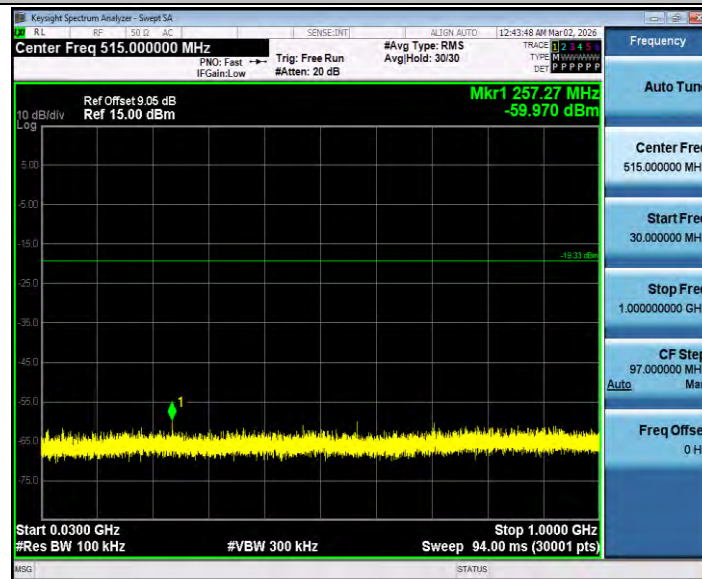
11N20SISO_Ant1_2437_1000~26500



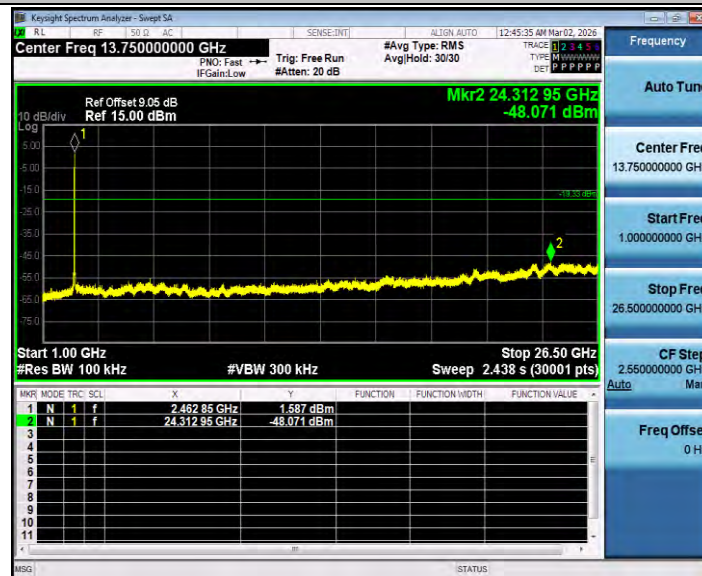
11N20SISO_Ant1_2462_0~Reference



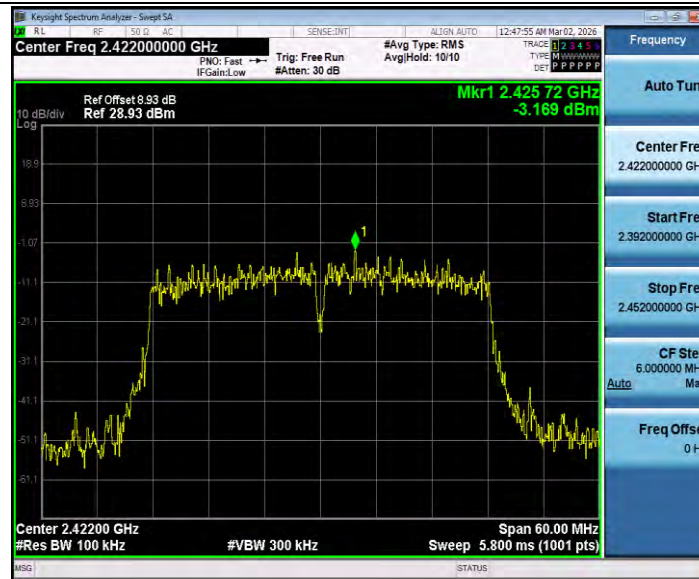
11N20SISO_Ant1_2462_30~1000



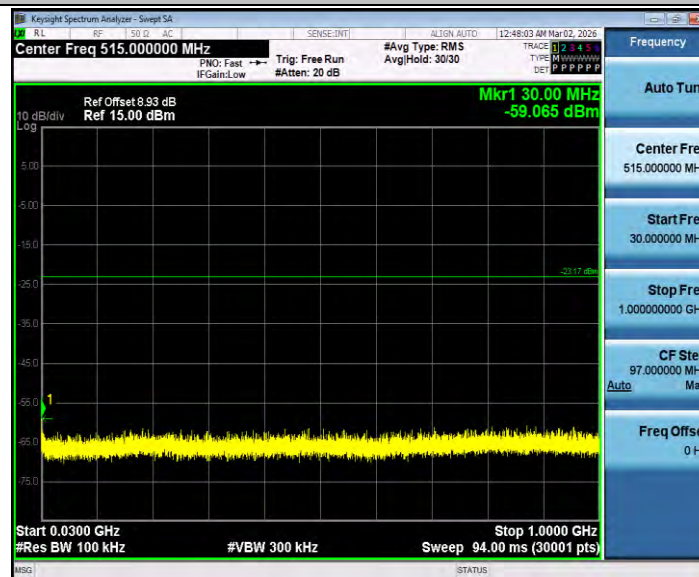
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



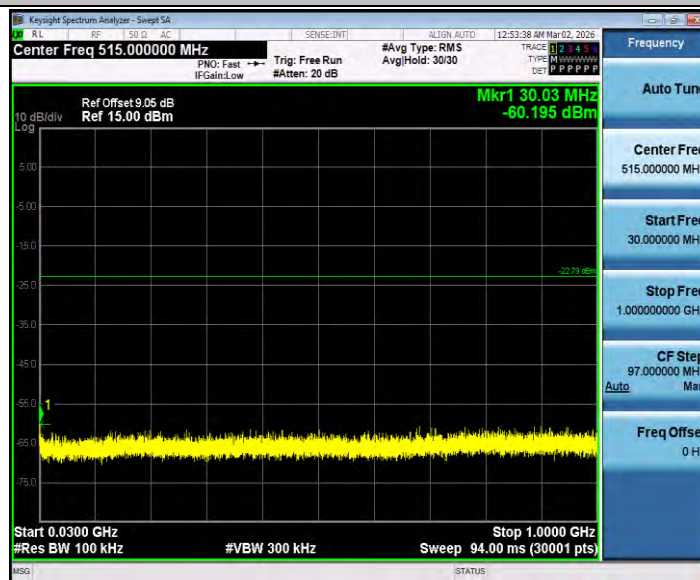
11N40SISO_Ant1_2422_1000~26500



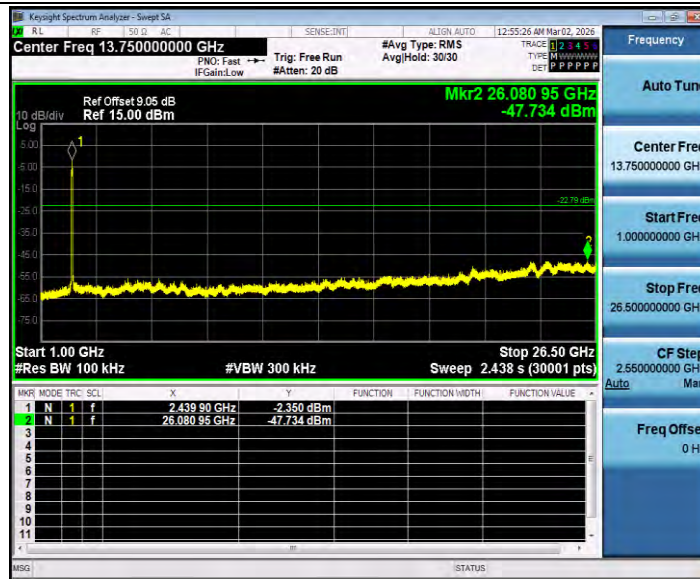
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



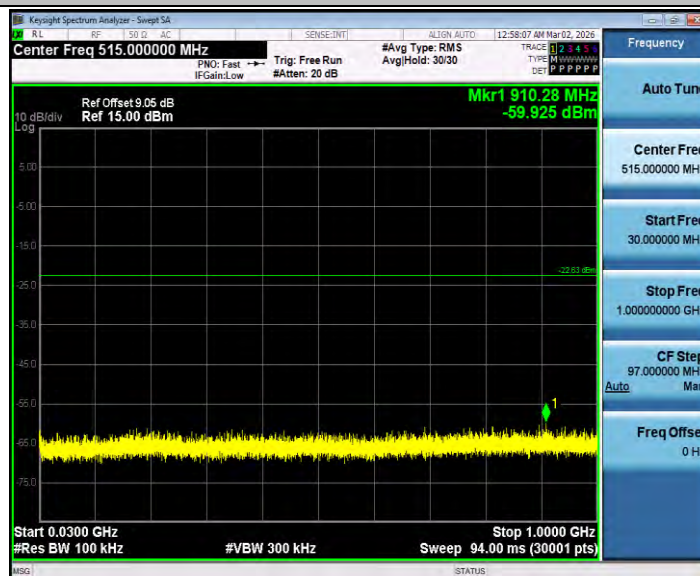
11N40SISO_Ant1_2437_1000~26500

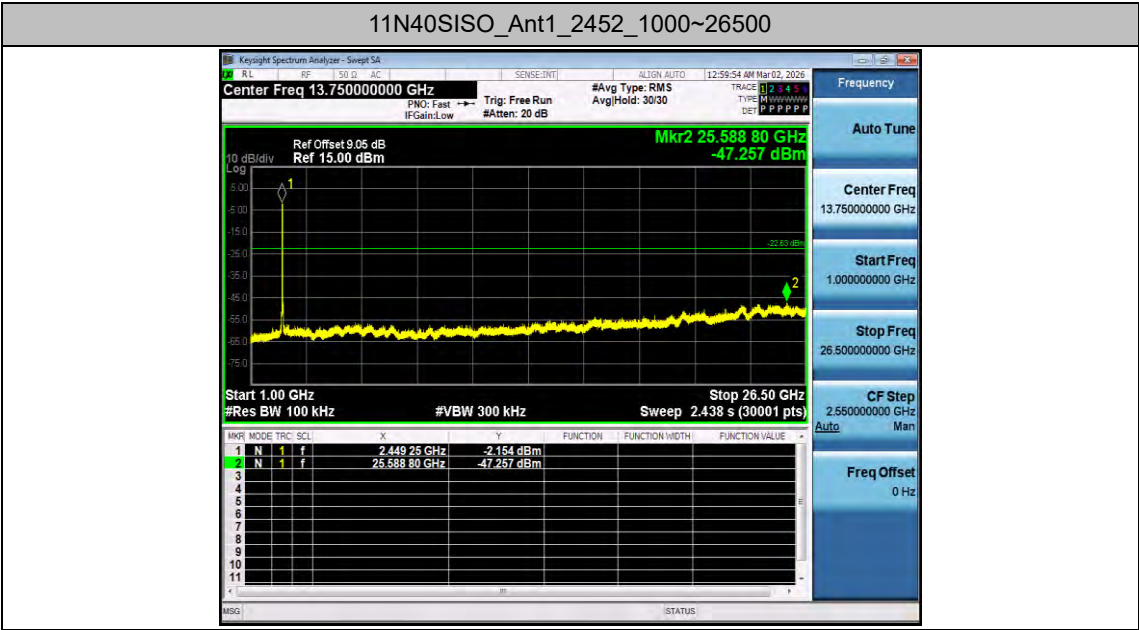


11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



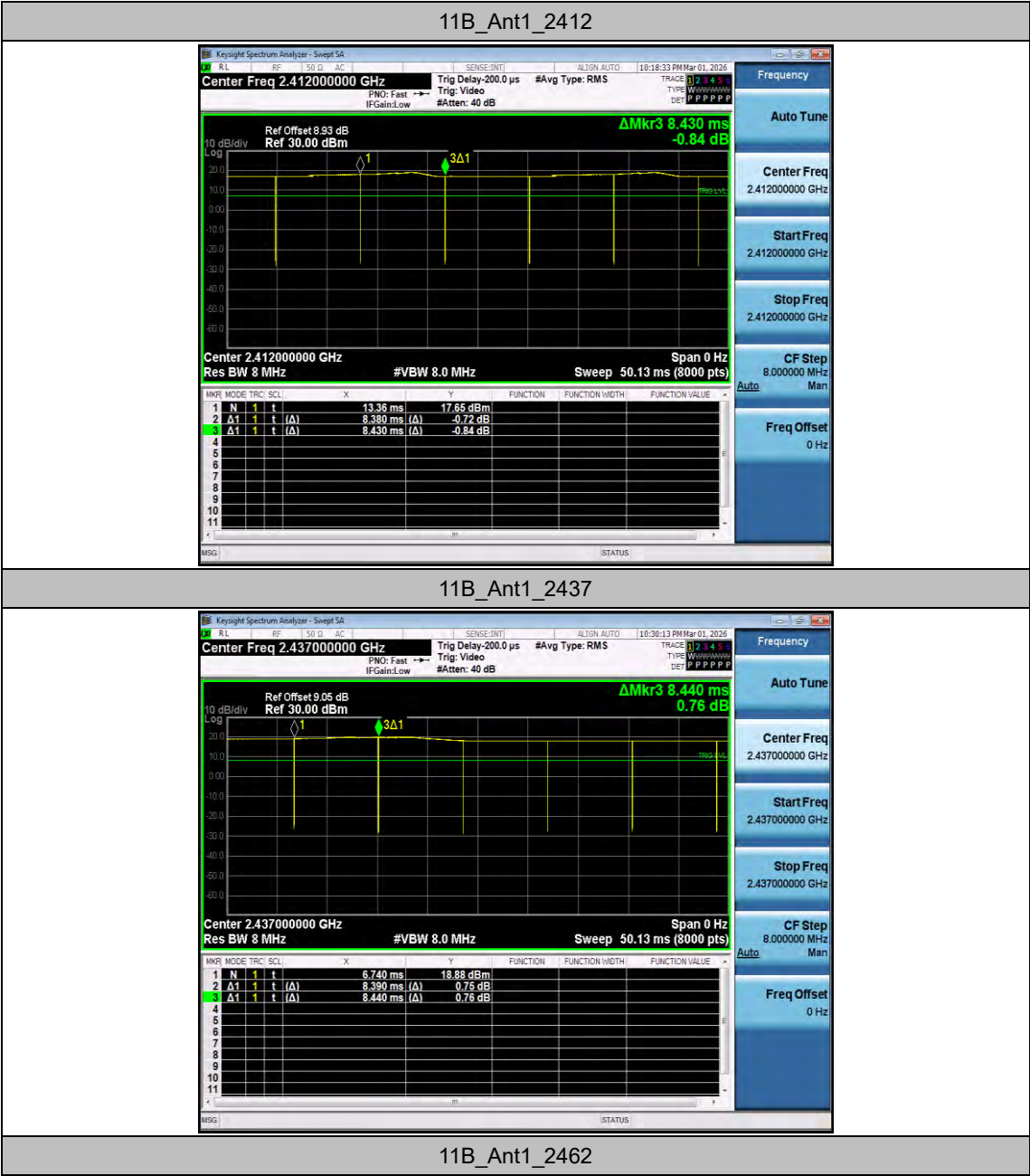


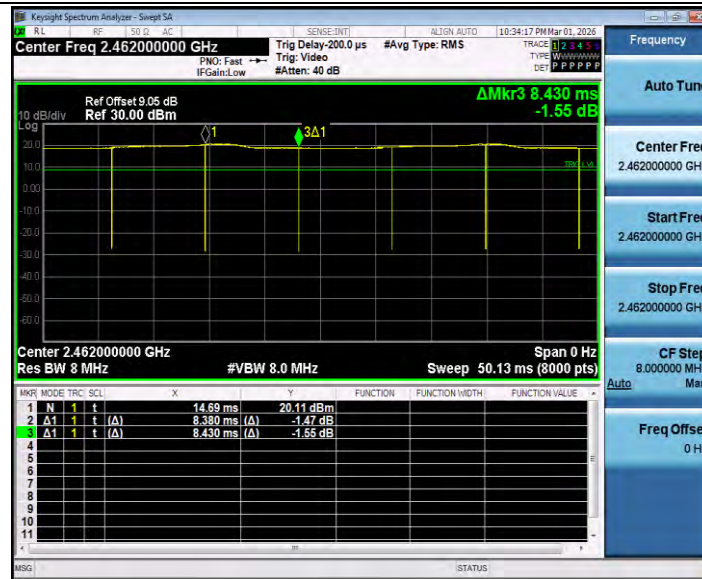
Appendix C.7: Duty Cycle

Test Result

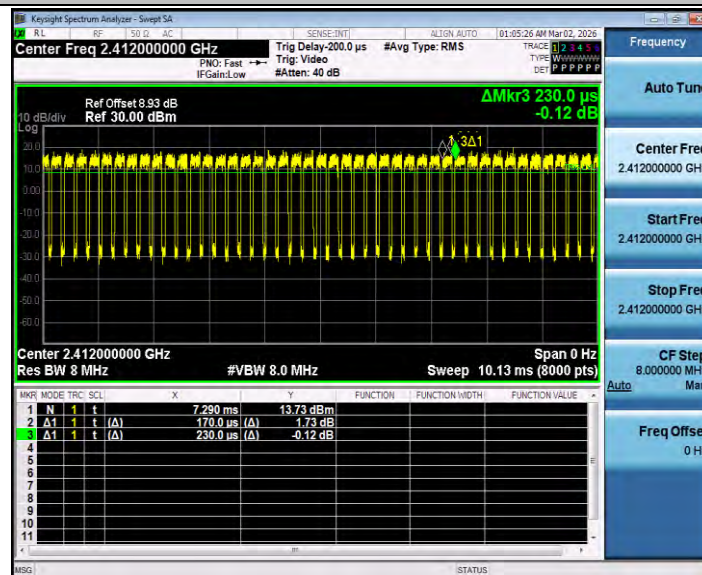
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor [KHz]
11B	Ant1	2412	8.38	8.43	99.41	0.03	0.12
		2437	8.39	8.44	99.41	0.03	0.12
		2462	8.38	8.43	99.41	0.03	0.12
11G	Ant1	2412	0.17	0.23	73.91	1.31	5.88
		2437	0.18	0.23	78.26	1.06	5.56
		2462	0.17	0.22	77.27	1.12	5.88
11N20SISO	Ant1	2412	0.17	0.22	77.27	1.12	5.88
		2437	0.16	0.21	76.19	1.18	6.25
		2462	0.16	0.21	76.19	1.18	6.25
11N40SISO	Ant1	2422	0.10	0.15	66.67	1.76	10.00
		2437	0.10	0.16	62.50	2.04	10.00
		2452	0.10	0.15	66.67	1.76	10.00

Test Graphs

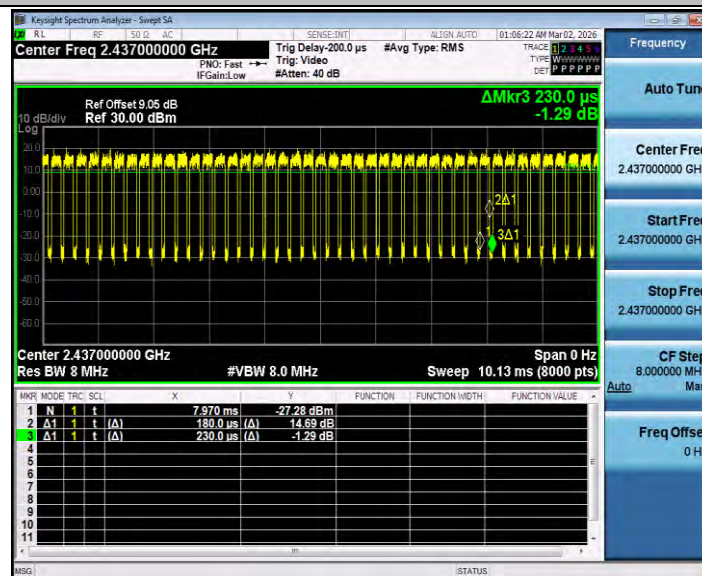


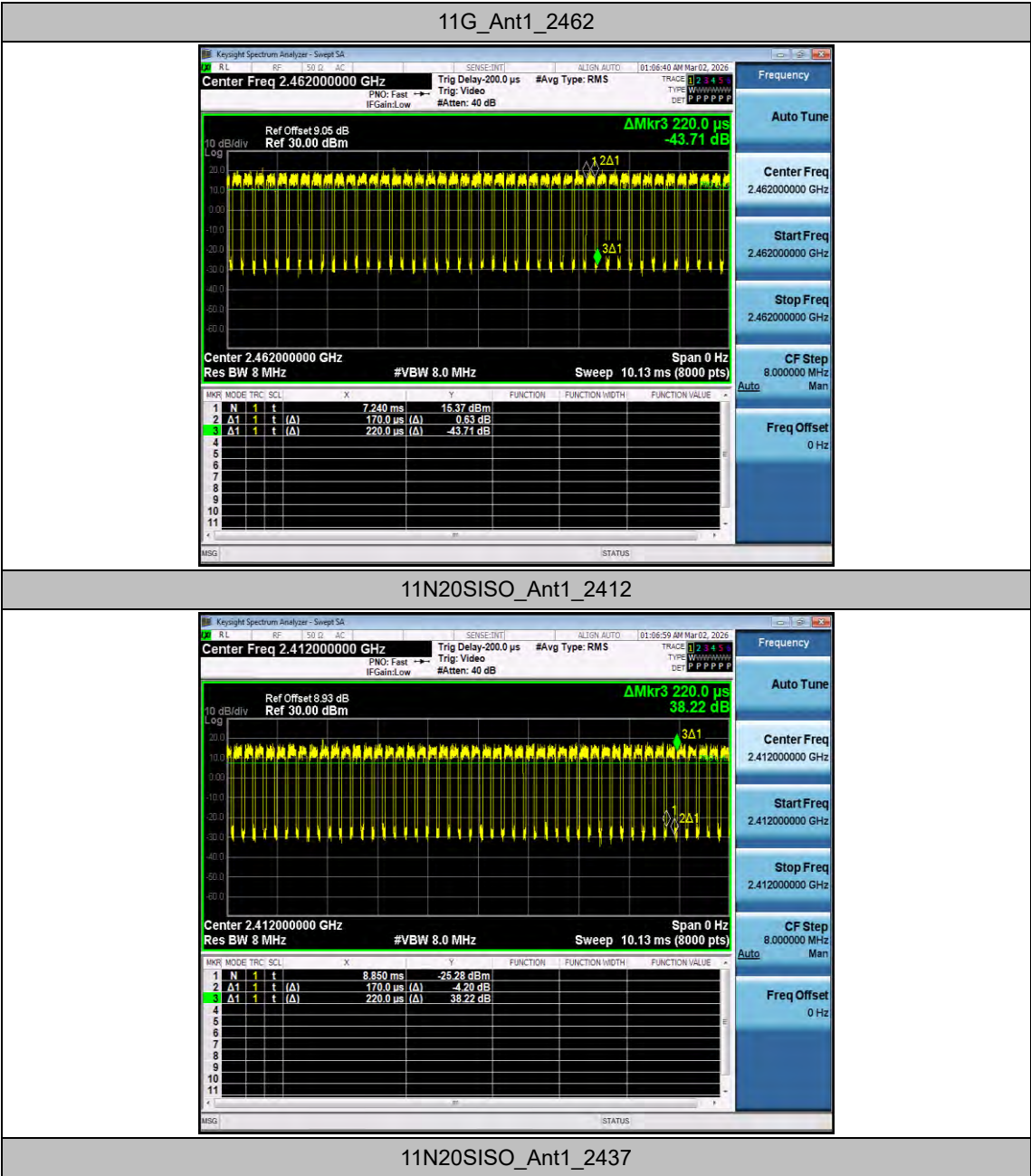


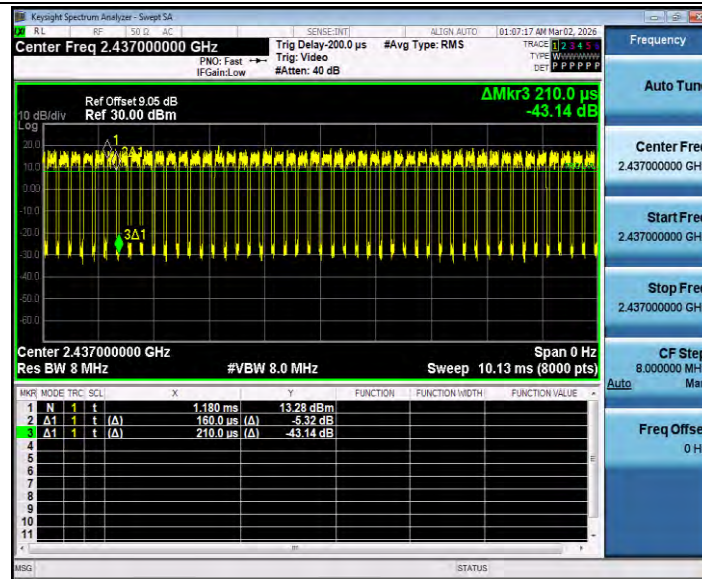
11G_Ant1_2412



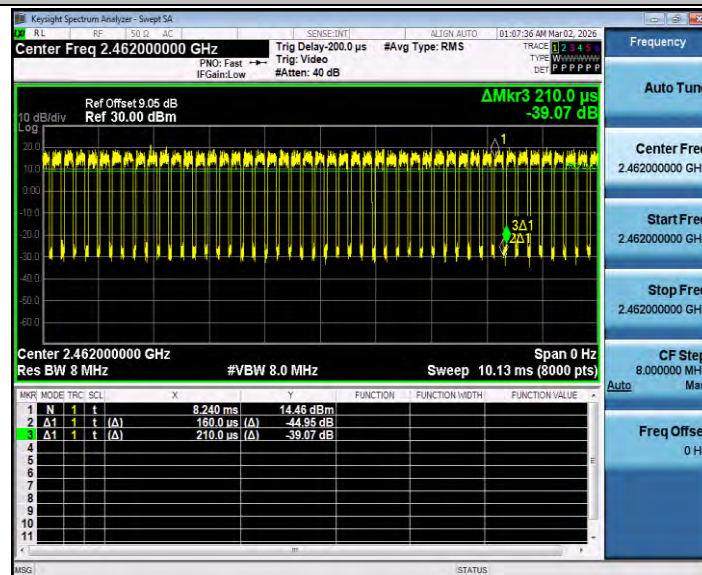
11G_Ant1_2437



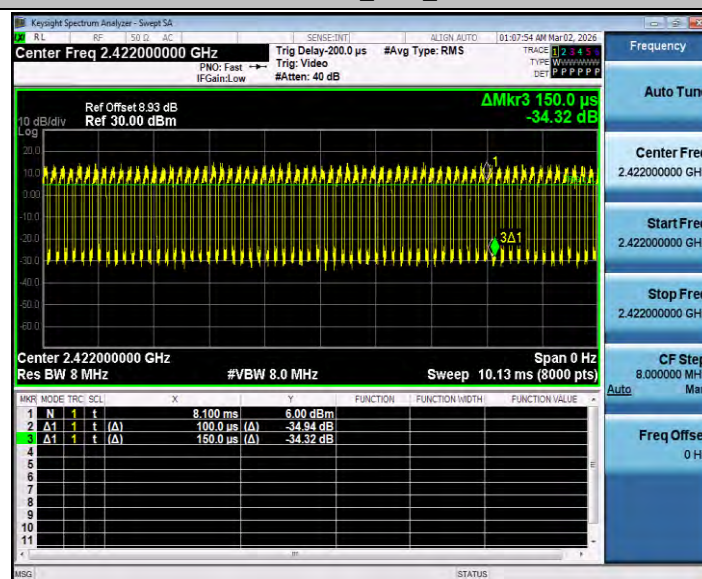




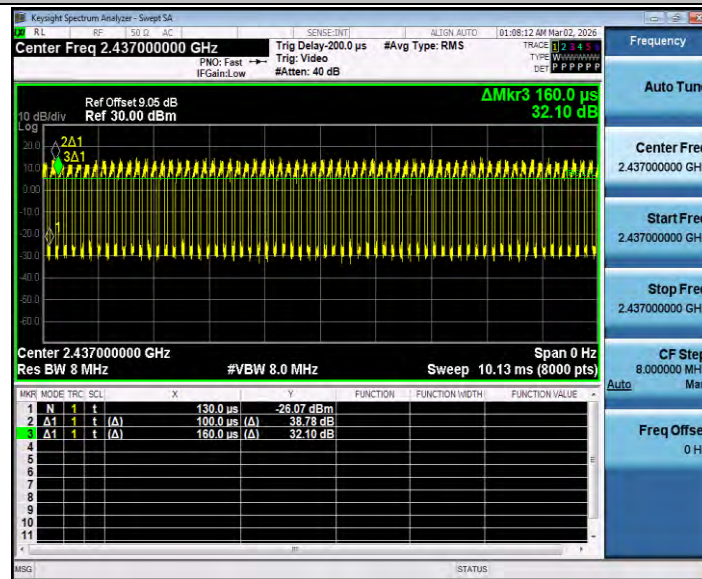
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

