

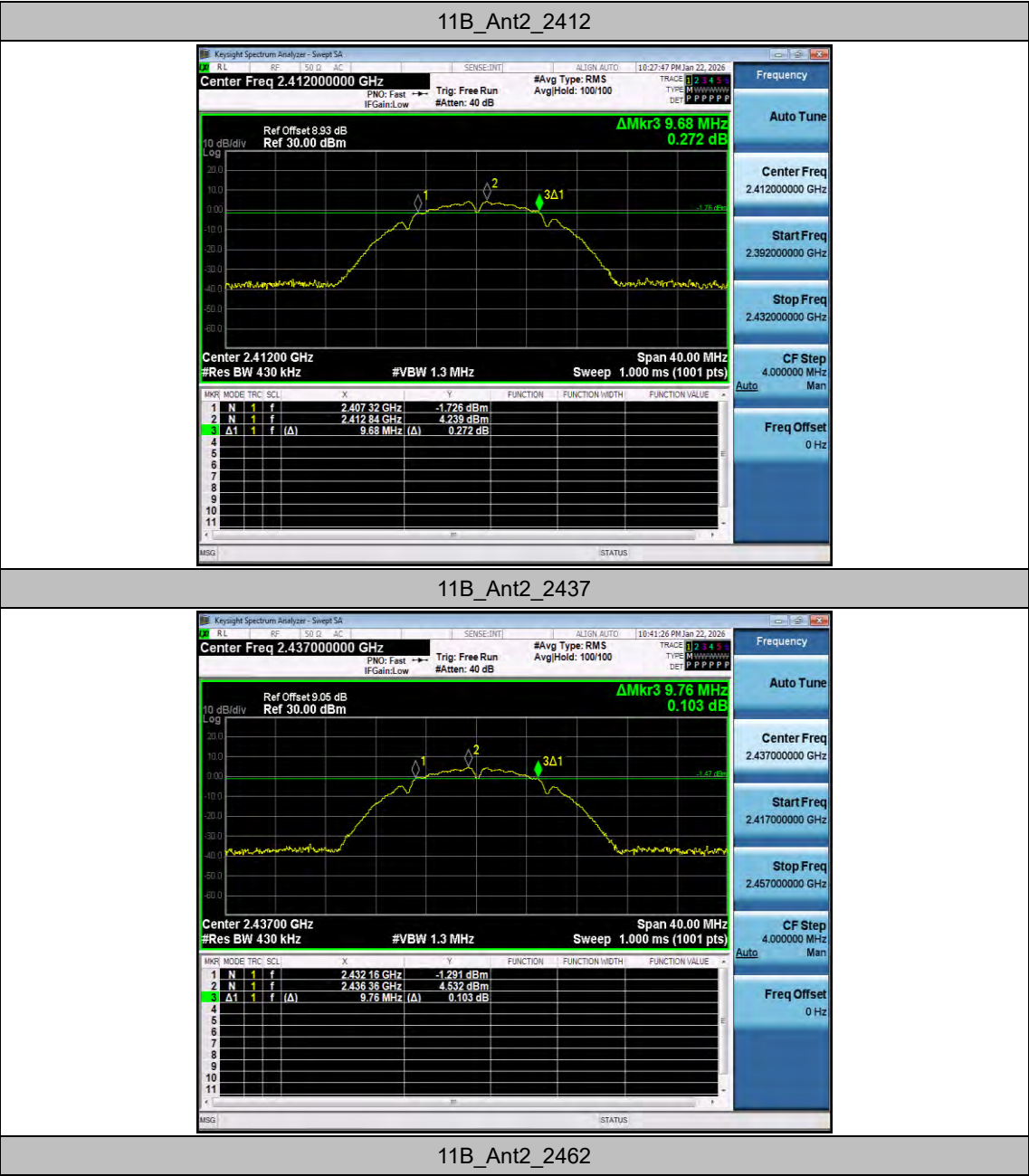
Case No. : <u>GTS20251114004-1-01</u>
Ambient Condition: <u>20℃,45%RH,</u>
Test Date: <u>2026.1.15-2026.1.23</u> Test Engineer: <u>Evan ouyang</u>

AppendixA.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	9.680	2407.320	2417.000	0.5	PASS
		2437	9.760	2432.160	2441.920	0.5	PASS
		2462	9.720	2457.240	2466.960	0.5	PASS
11G	Ant2	2412	15.920	2404.280	2420.200	0.5	PASS
		2437	16.040	2429.080	2445.120	0.5	PASS
		2462	15.120	2454.640	2469.760	0.5	PASS
11N20SISO	Ant2	2412	16.760	2403.840	2420.600	0.5	PASS
		2437	16.760	2428.760	2445.520	0.5	PASS
		2462	15.360	2454.880	2470.240	0.5	PASS
11N40SISO	Ant2	2422	31.920	2406.320	2438.240	0.5	PASS
		2437	35.280	2419.320	2454.600	0.5	PASS
		2452	35.280	2434.640	2469.920	0.5	PASS

Test Graphs





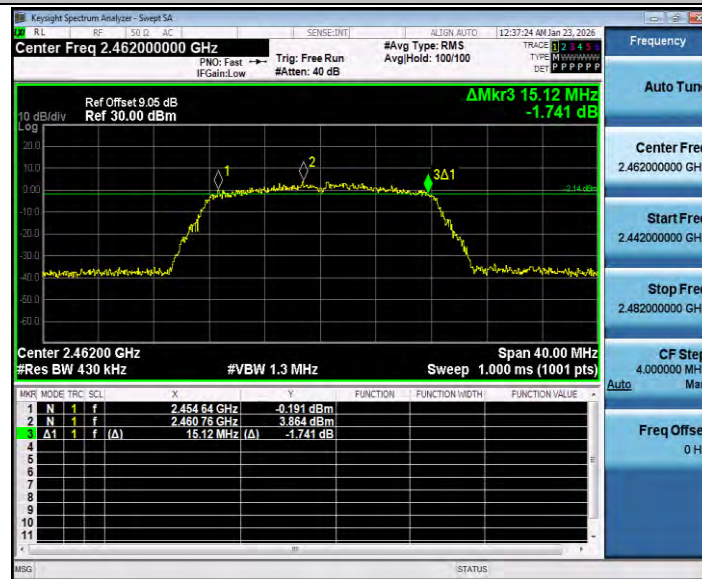
11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



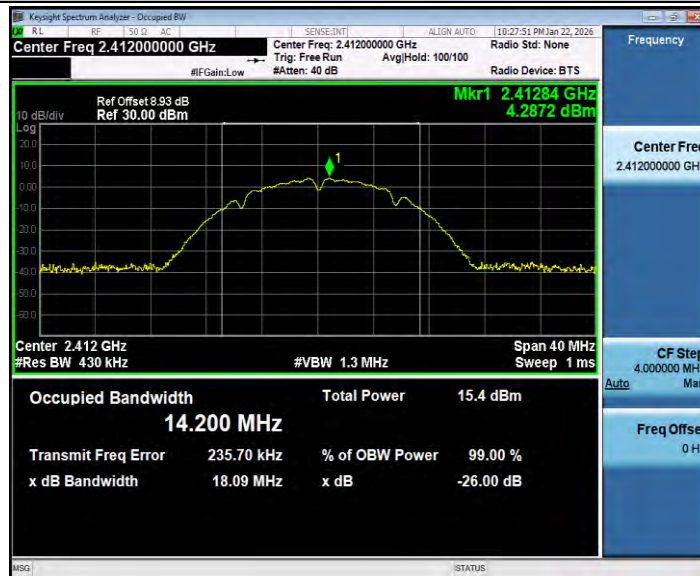
AppendixA.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	14.200	2405.1357	2419.3357	---	---
		2437	14.367	2429.8419	2444.2089	---	---
		2462	14.246	2455.0194	2469.2654	---	---
11G	Ant2	2412	16.604	2403.8471	2420.4511	---	---
		2437	16.739	2428.6448	2445.3838	---	---
		2462	16.564	2453.8259	2470.3899	---	---
11N20SISO	Ant2	2412	17.614	2403.3662	2420.9802	---	---
		2437	17.675	2428.2382	2445.9132	---	---
		2462	17.626	2453.2687	2470.8947	---	---
11N40SISO	Ant2	2422	35.735	2404.2124	2439.9474	---	---
		2437	36.084	2419.0292	2455.1132	---	---
		2452	36.062	2434.0879	2470.1499	---	---

Test Graphs

11B_Ant2_2412



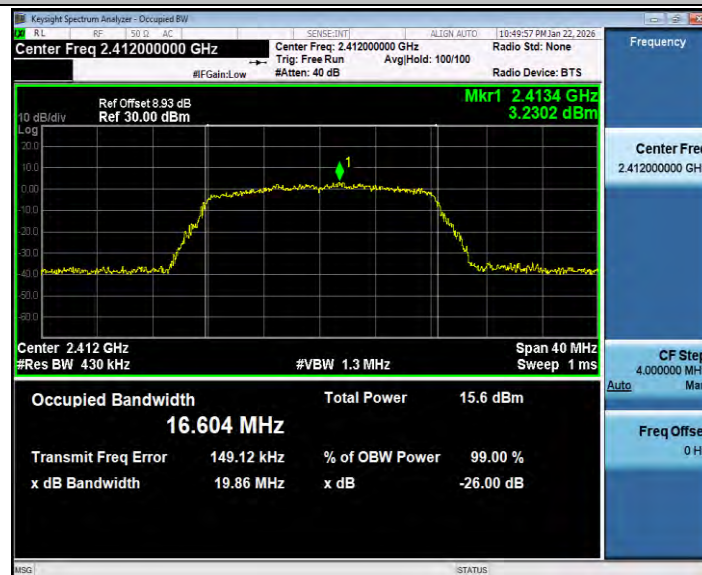
11B_Ant2_2437



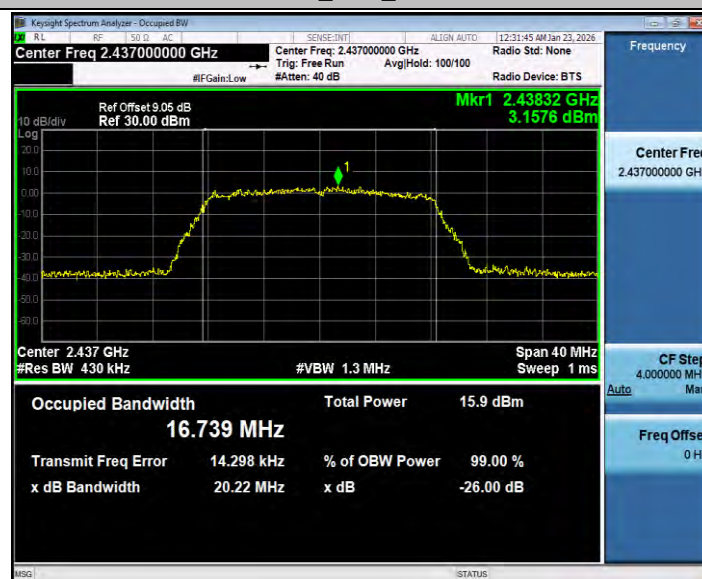
11B_Ant2_2462



11G_Ant2_2412



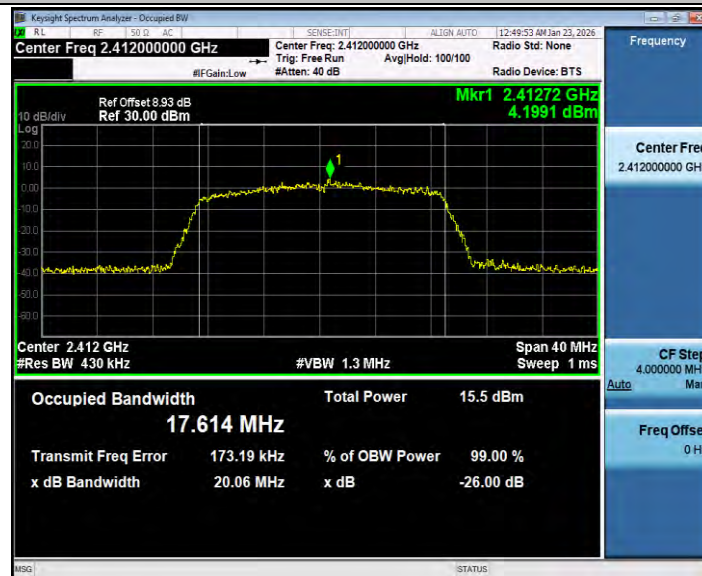
11G_Ant2_2437



11G_Ant2_2462



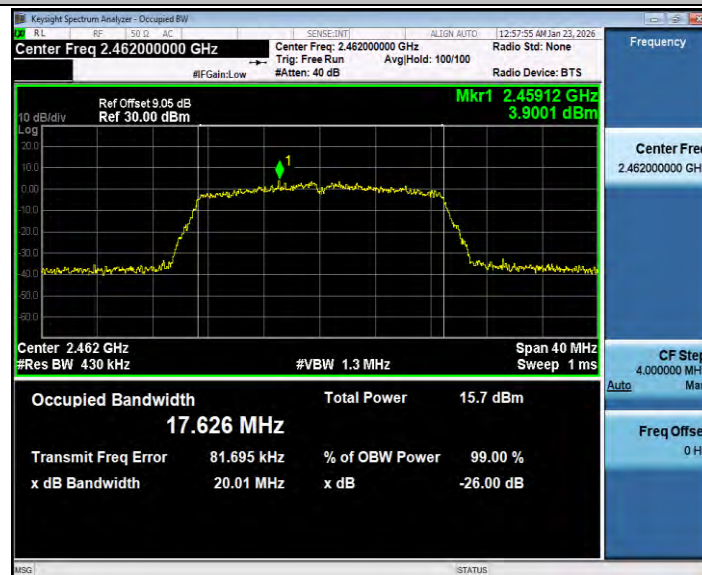
11N20SISO_Ant2_2412



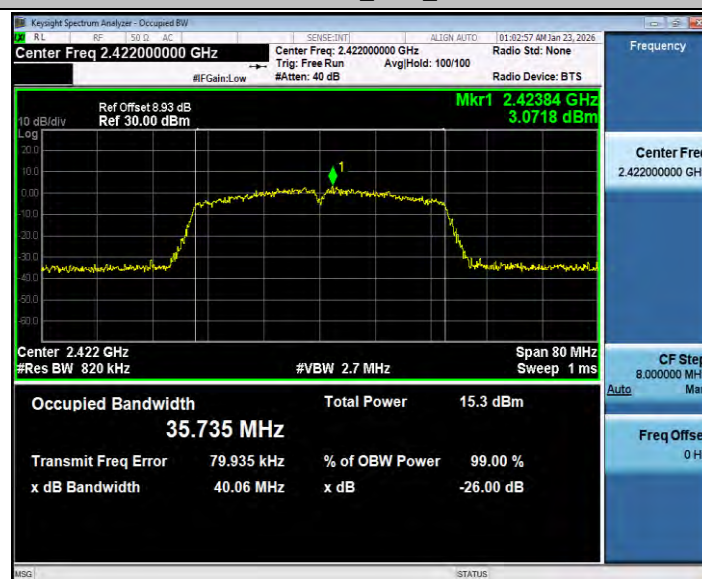
11N20SISO_Ant2_2437



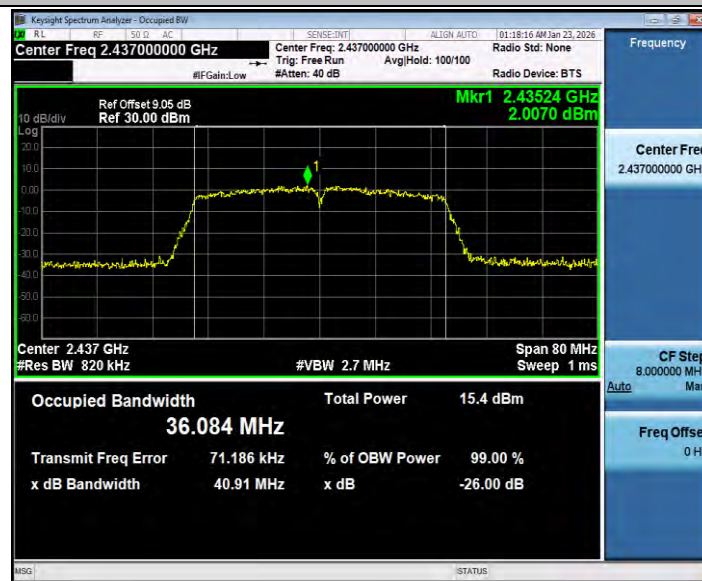
11N20SISO_Ant2_2462



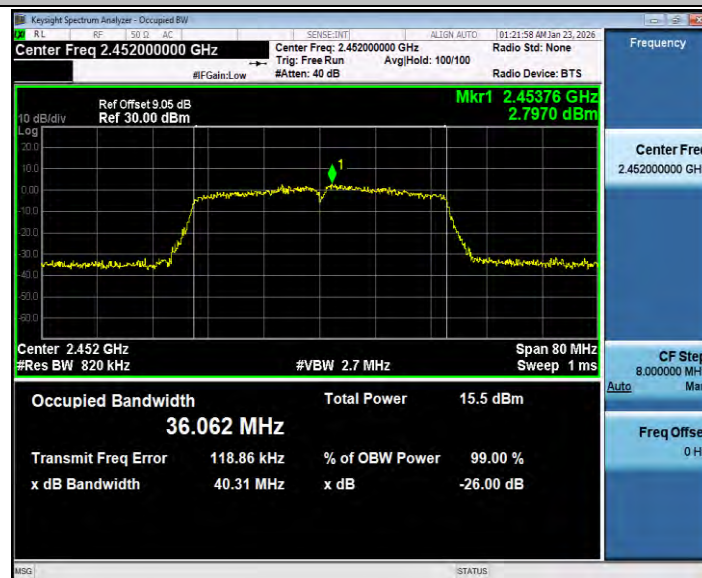
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



AppendixA.3: Maximum conducted output power

Test Result -CHP

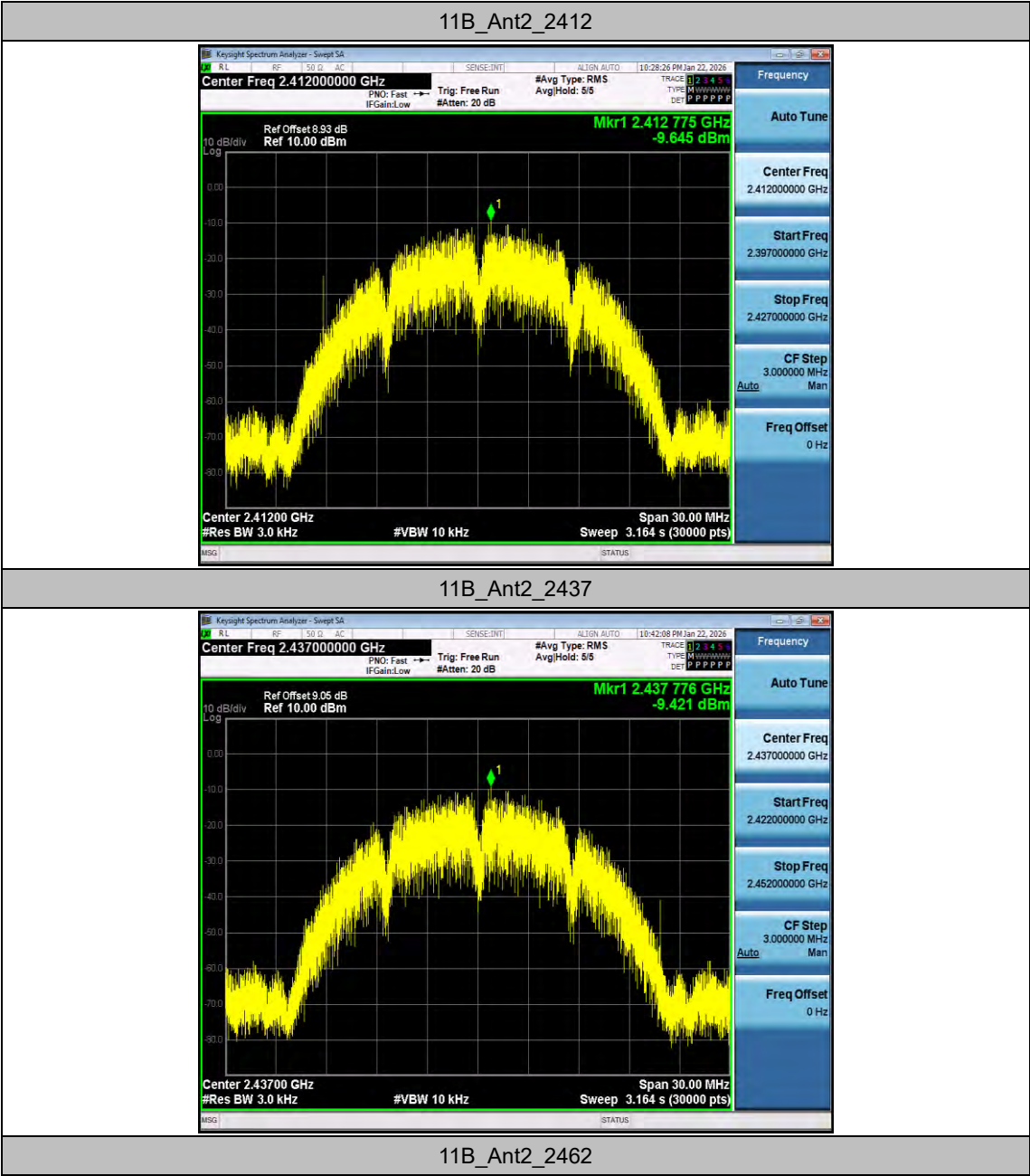
TestMode	Antenna	Frequency [MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	15.08	≤30.00	PASS
		2437	15.38	≤30.00	PASS
		2462	15.64	≤30.00	PASS
11G	Ant2	2412	16.50	≤30.00	PASS
		2437	16.85	≤30.00	PASS
		2462	16.79	≤30.00	PASS
11N20SISO	Ant2	2412	16.33	≤30.00	PASS
		2437	16.59	≤30.00	PASS
		2462	16.66	≤30.00	PASS
11N40SISO	Ant2	2422	15.57	≤30.00	PASS
		2437	15.53	≤30.00	PASS
		2452	15.57	≤30.00	PASS

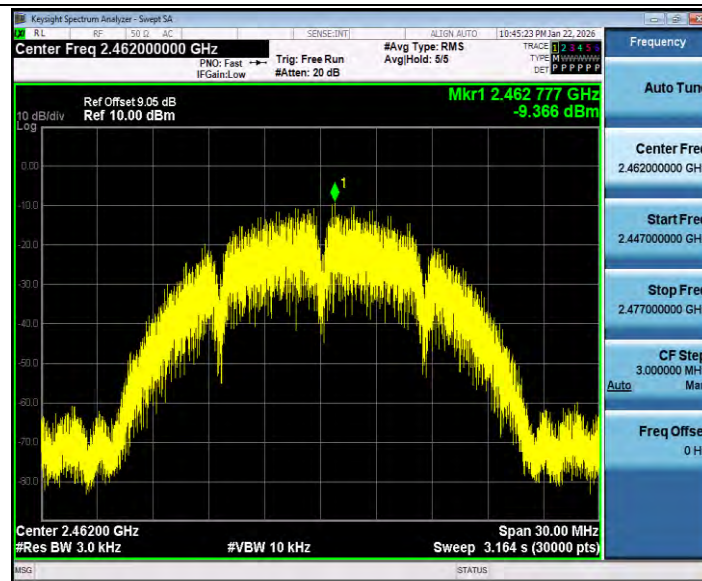
AppendixA.4: Maximum power spectral density

Test Result

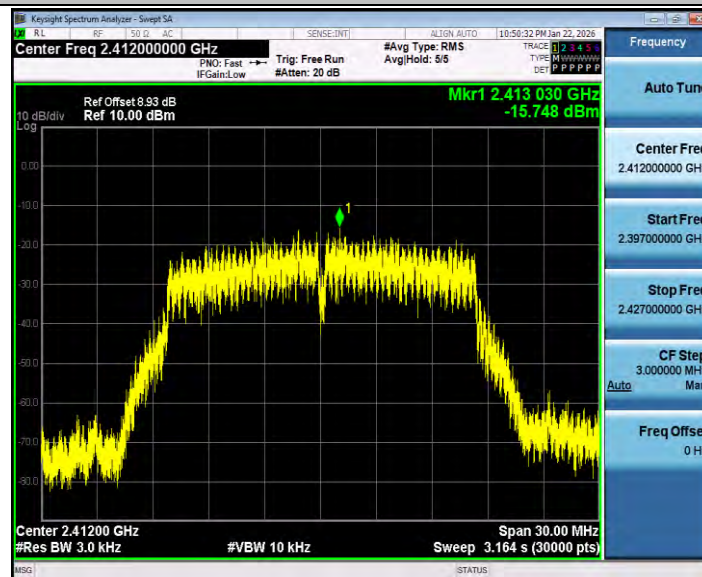
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-9.65	≤8.00	PASS
		2437	-9.42	≤8.00	PASS
		2462	-9.37	≤8.00	PASS
11G	Ant2	2412	-15.75	≤8.00	PASS
		2437	-15.50	≤8.00	PASS
		2462	-16.21	≤8.00	PASS
11N20SISO	Ant2	2412	-17.13	≤8.00	PASS
		2437	-15.46	≤8.00	PASS
		2462	-16.06	≤8.00	PASS
11N40SISO	Ant2	2422	-21.00	≤8.00	PASS
		2437	-21.24	≤8.00	PASS
		2452	-21.01	≤8.00	PASS

Test Graphs

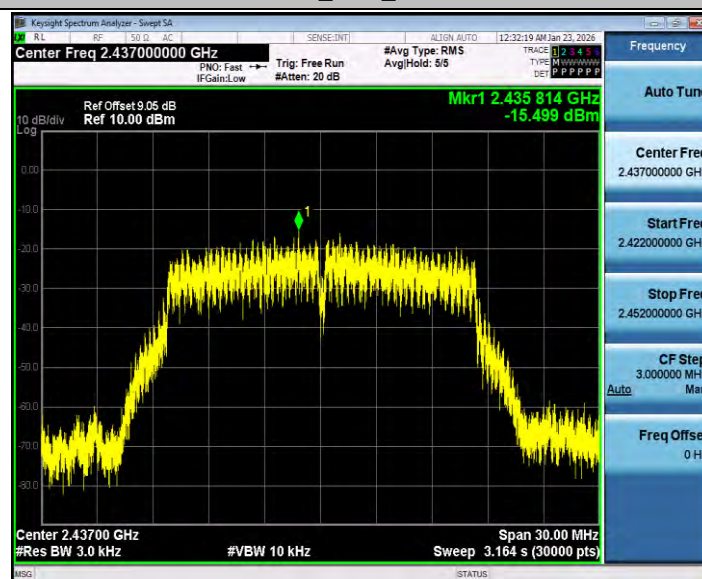




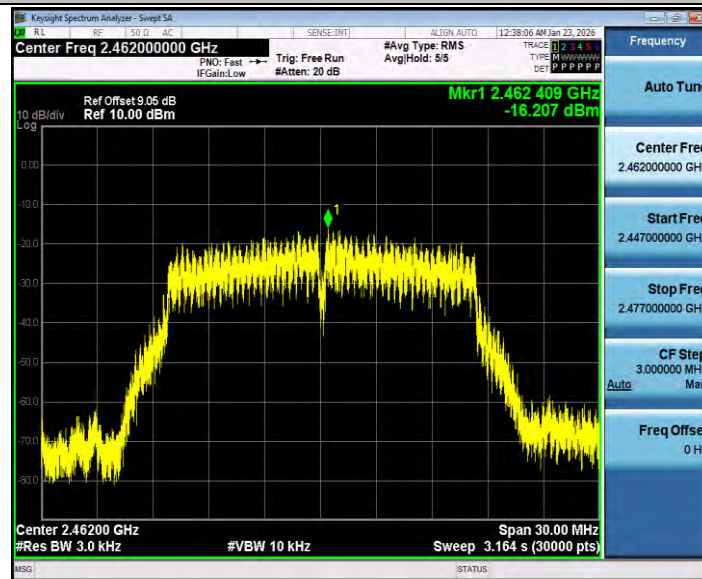
11G_Ant2_2412



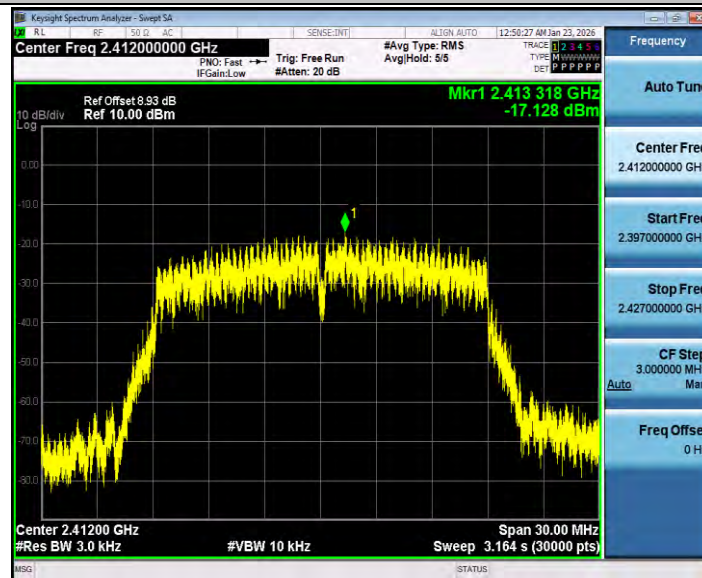
11G_Ant2_2437



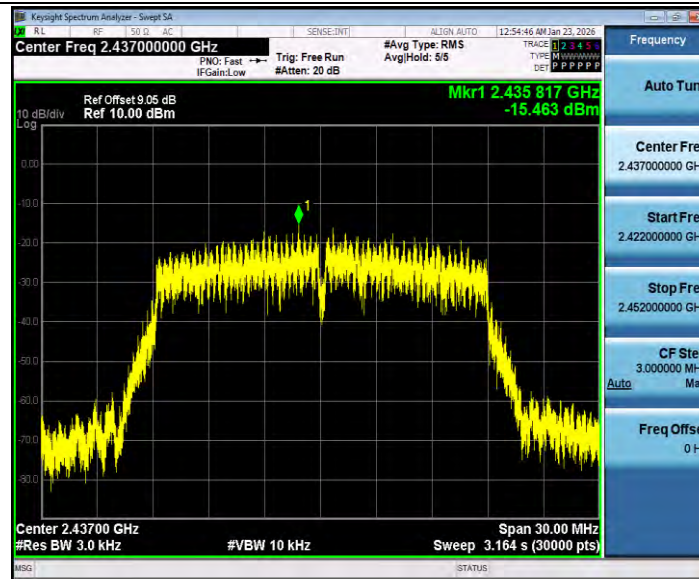
11G_Ant2_2462



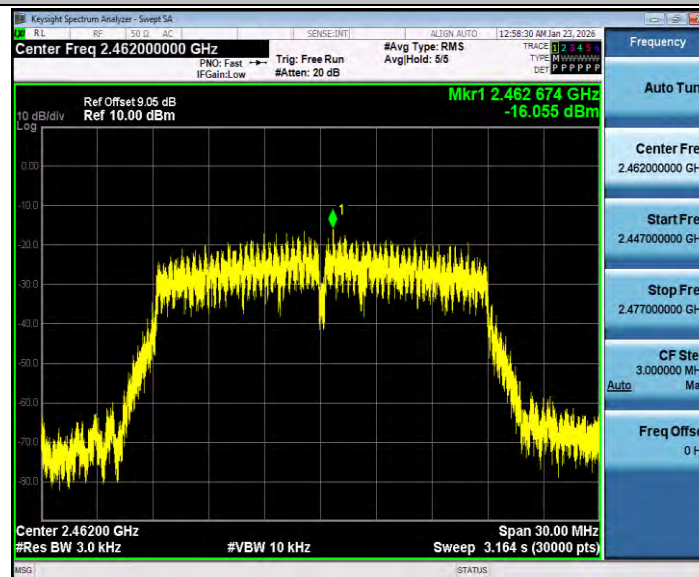
11N20SISO_Ant2_2412



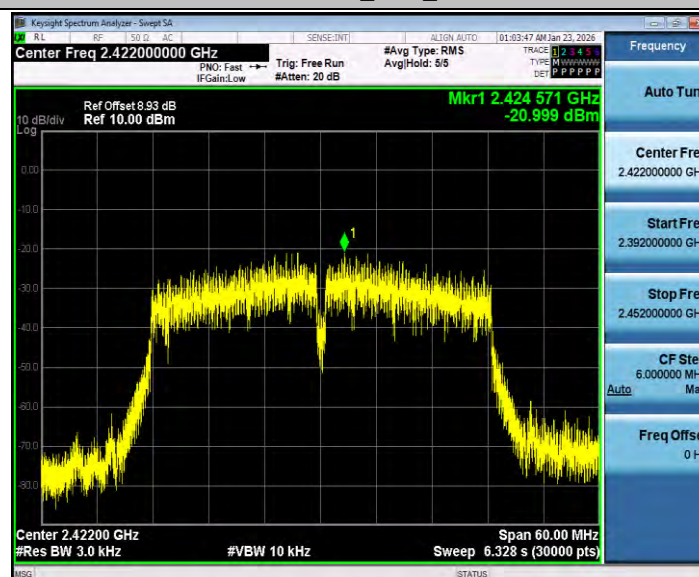
11N20SISO_Ant2_2437



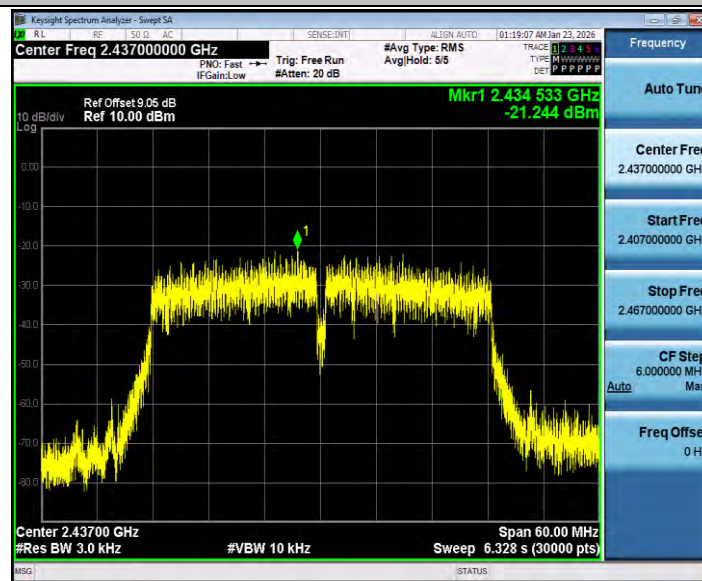
11N20SISO_Ant2_2462



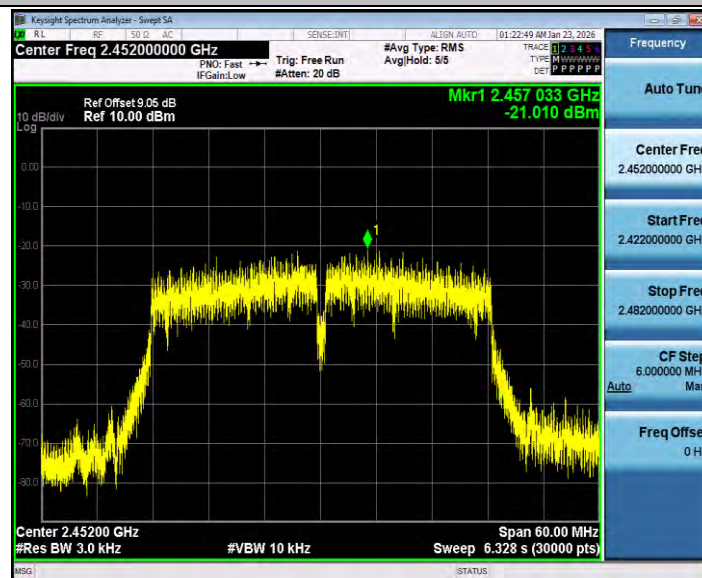
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix A.5: Band edge measurements

Test Result

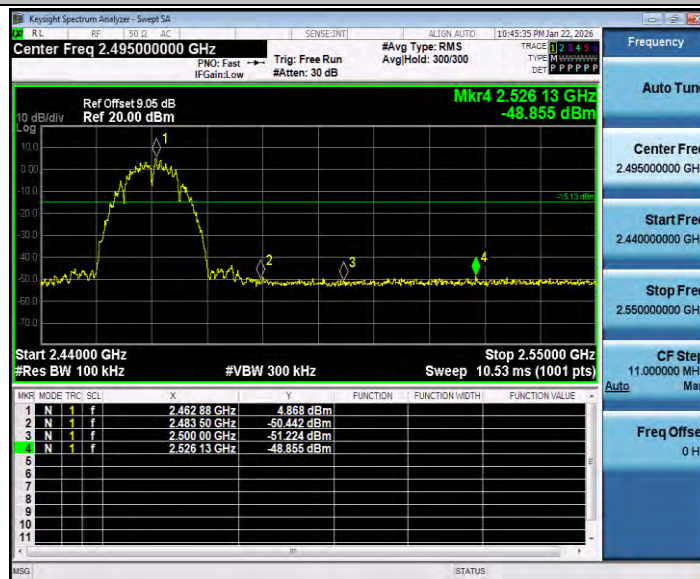
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	4.32	-45.85	≤ -15.69	PASS
		High	2462	4.87	-48.86	≤ -15.13	PASS
11G	Ant2	Low	2412	-0.29	-46.57	≤ -20.29	PASS
		High	2462	0.25	-48.37	≤ -19.75	PASS
11N20SISO	Ant2	Low	2412	-0.15	-45.73	≤ -20.15	PASS
		High	2462	-0.09	-47.72	≤ -20.09	PASS
11N40SISO	Ant2	Low	2422	-3.55	-42.72	≤ -23.55	PASS
		High	2452	-3.75	-44	≤ -23.75	PASS

Test Graphs

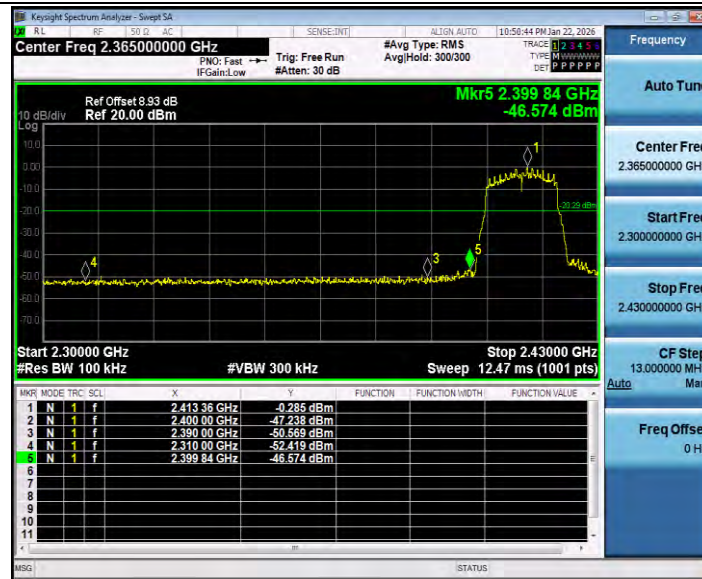
11B_Ant2_Low_2412



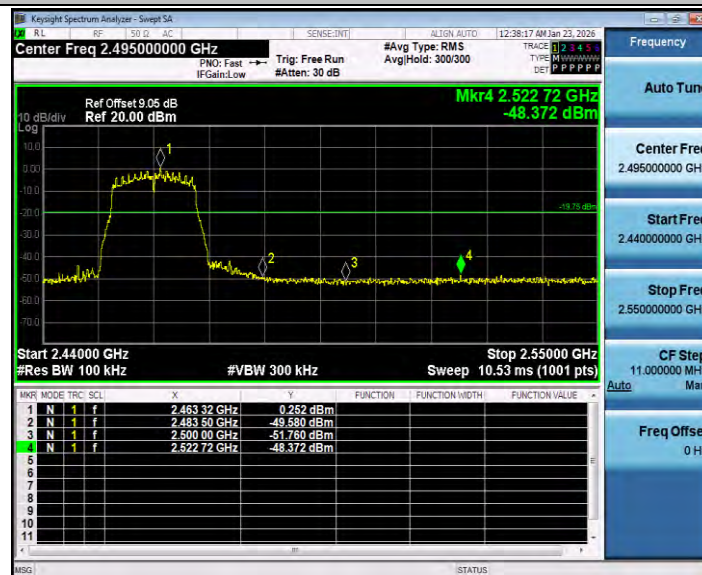
11B_Ant2_High_2462



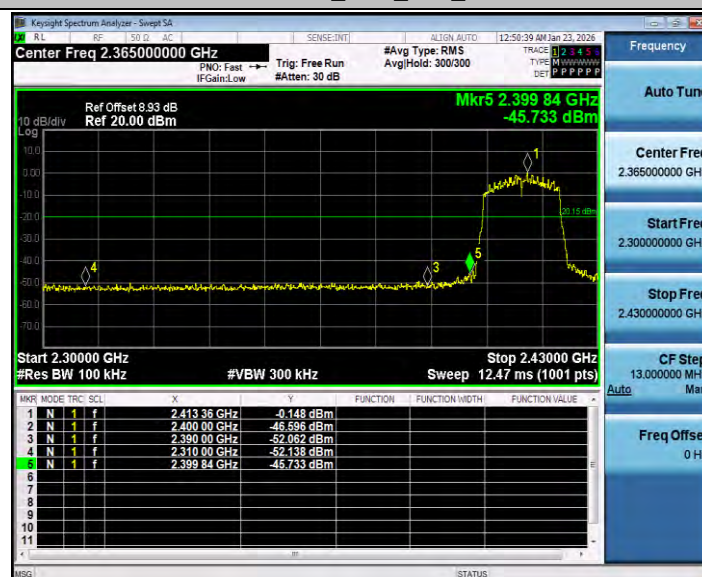
11G_Ant2_Low_2412



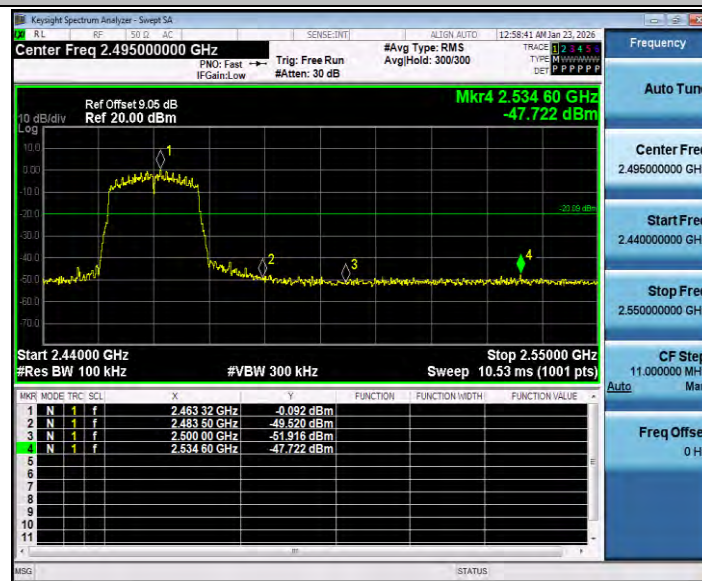
11G_Ant2_High_2462



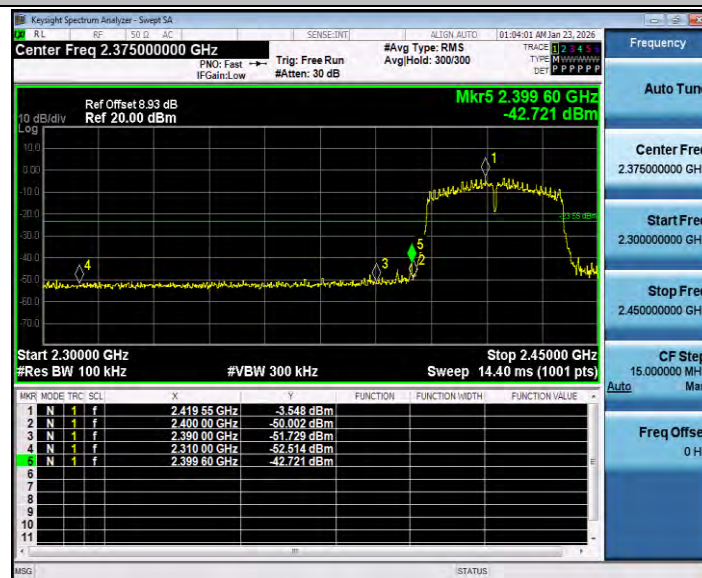
11N20SISO_Ant2_Low_2412



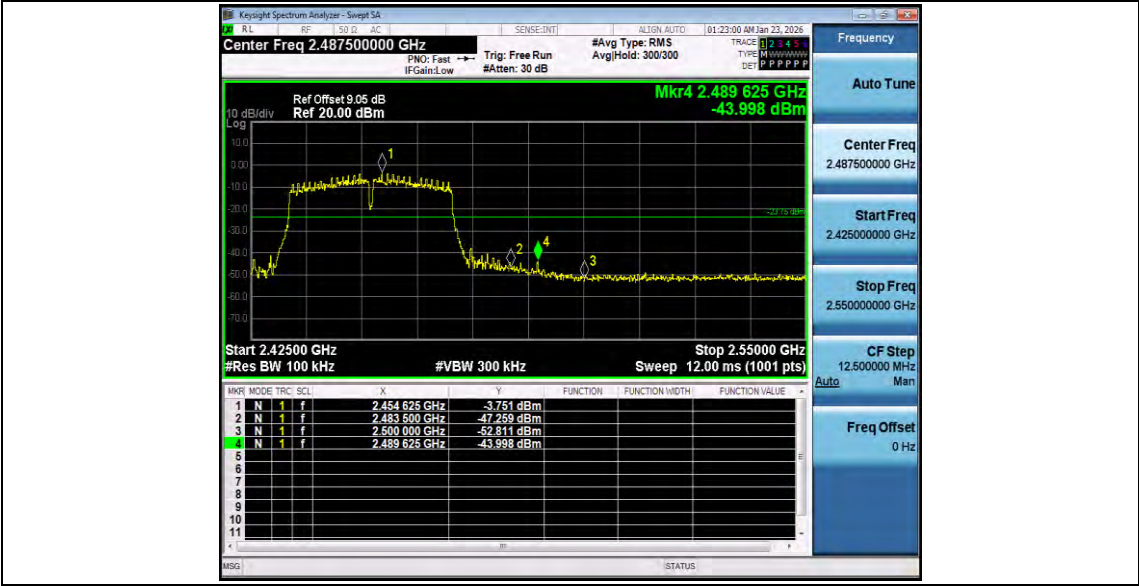
11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

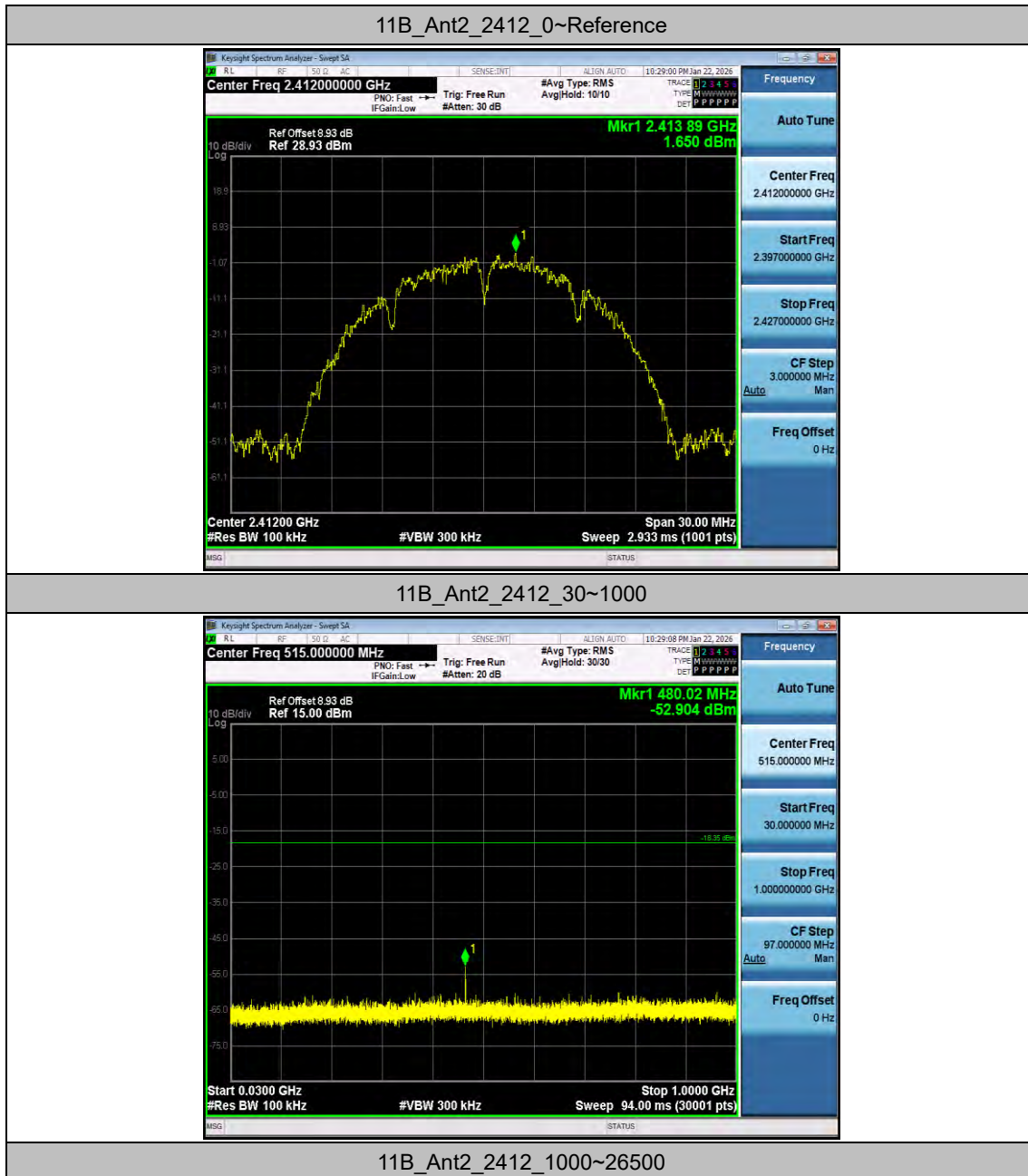


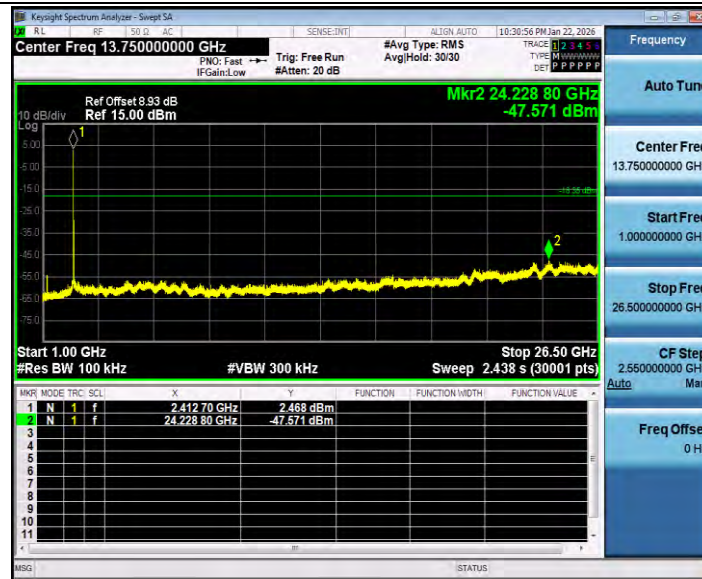
Appendix A.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	1.65	1.65	---	PASS
			30~1000	1.65	-52.9	≤ -18.35	PASS
			1000~26500	1.65	-47.57	≤ -18.35	PASS
		2437	Reference	2.93	2.93	---	PASS
			30~1000	2.93	-53.35	≤ -17.07	PASS
			1000~26500	2.93	-48.23	≤ -17.07	PASS
		2462	Reference	2.24	2.24	---	PASS
			30~1000	2.24	-52.76	≤ -17.76	PASS
			1000~26500	2.24	-48.39	≤ -17.76	PASS
11G	Ant2	2412	Reference	-1.75	-1.75	---	PASS
			30~1000	-1.75	-50.32	≤ -21.75	PASS
			1000~26500	-1.75	-48.01	≤ -21.75	PASS
		2437	Reference	-0.81	-0.81	---	PASS
			30~1000	-0.81	-49.19	≤ -20.81	PASS
			1000~26500	-0.81	-48.43	≤ -20.81	PASS
		2462	Reference	-3.42	-3.42	---	PASS
			30~1000	-3.42	-50.07	≤ -23.42	PASS
			1000~26500	-3.42	-48.41	≤ -23.42	PASS
11N20SISO	Ant2	2412	Reference	-1.65	-1.65	---	PASS
			30~1000	-1.65	-50.02	≤ -21.65	PASS
			1000~26500	-1.65	-48.14	≤ -21.65	PASS
		2437	Reference	-3.15	-3.15	---	PASS
			30~1000	-3.15	-49.75	≤ -23.15	PASS
			1000~26500	-3.15	-47.23	≤ -23.15	PASS
		2462	Reference	-0.70	-0.70	---	PASS
			30~1000	-0.70	-50.11	≤ -20.7	PASS
			1000~26500	-0.70	-48.01	≤ -20.7	PASS
11N40SISO	Ant2	2422	Reference	-4.89	-4.89	---	PASS
			30~1000	-4.89	-51.56	≤ -24.89	PASS
			1000~26500	-4.89	-45.44	≤ -24.89	PASS
		2437	Reference	-4.59	-4.59	---	PASS
			30~1000	-4.59	-48.73	≤ -24.59	PASS
			1000~26500	-4.59	-47.99	≤ -24.59	PASS
		2452	Reference	-5.19	-5.19	---	PASS
			30~1000	-5.19	-51.3	≤ -25.19	PASS
			1000~26500	-5.19	-47.78	≤ -25.19	PASS

Test Graphs

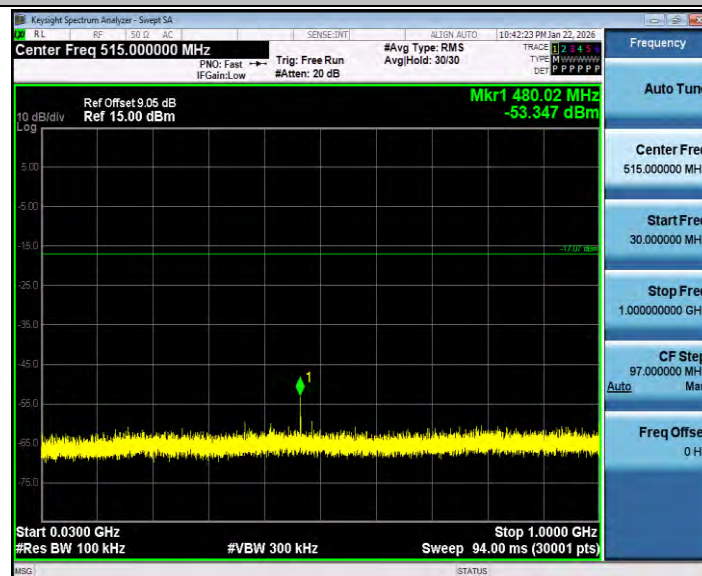




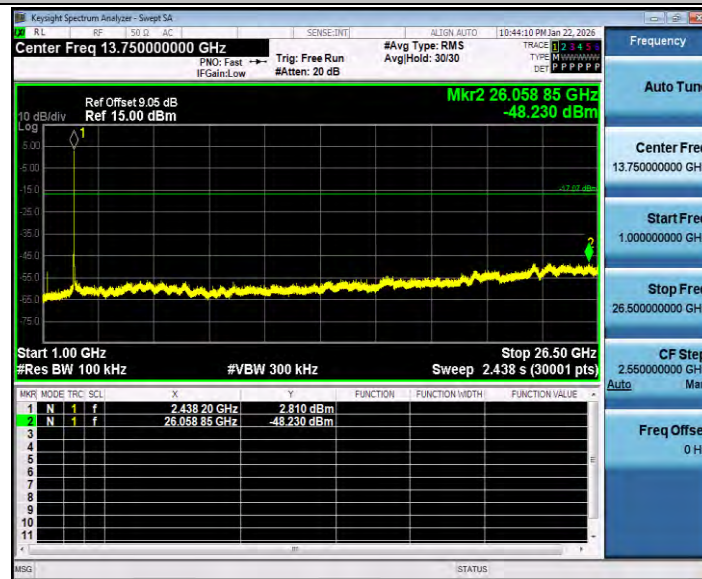
11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



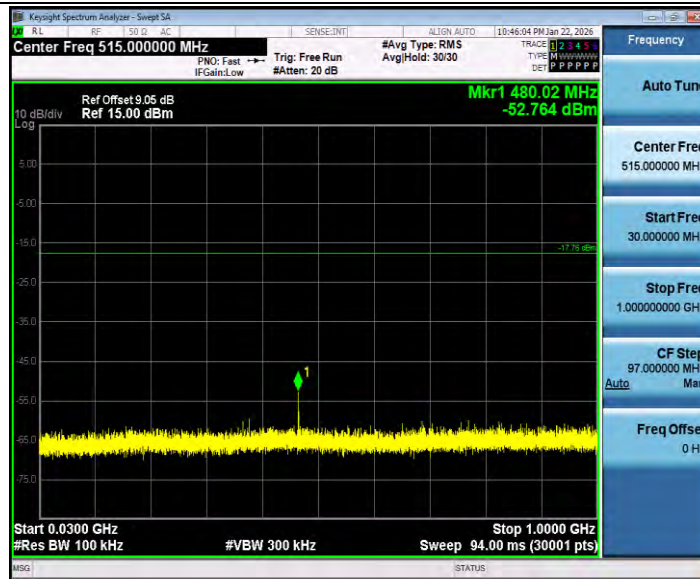
11B_Ant2_2437_1000~26500



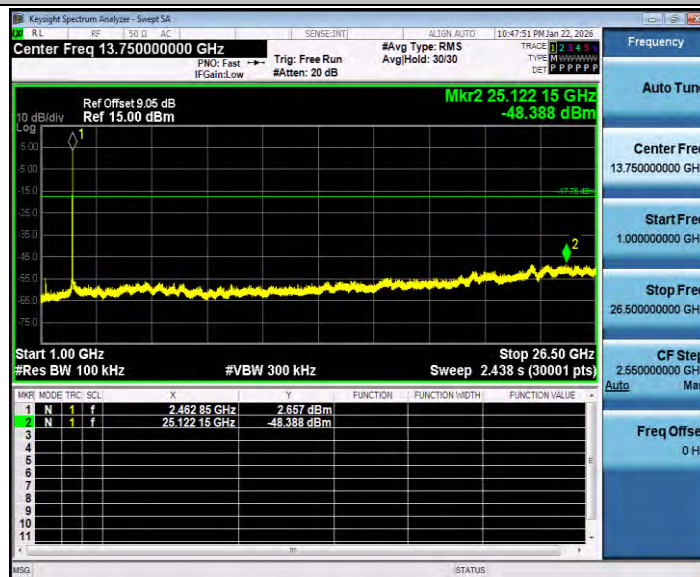
11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000

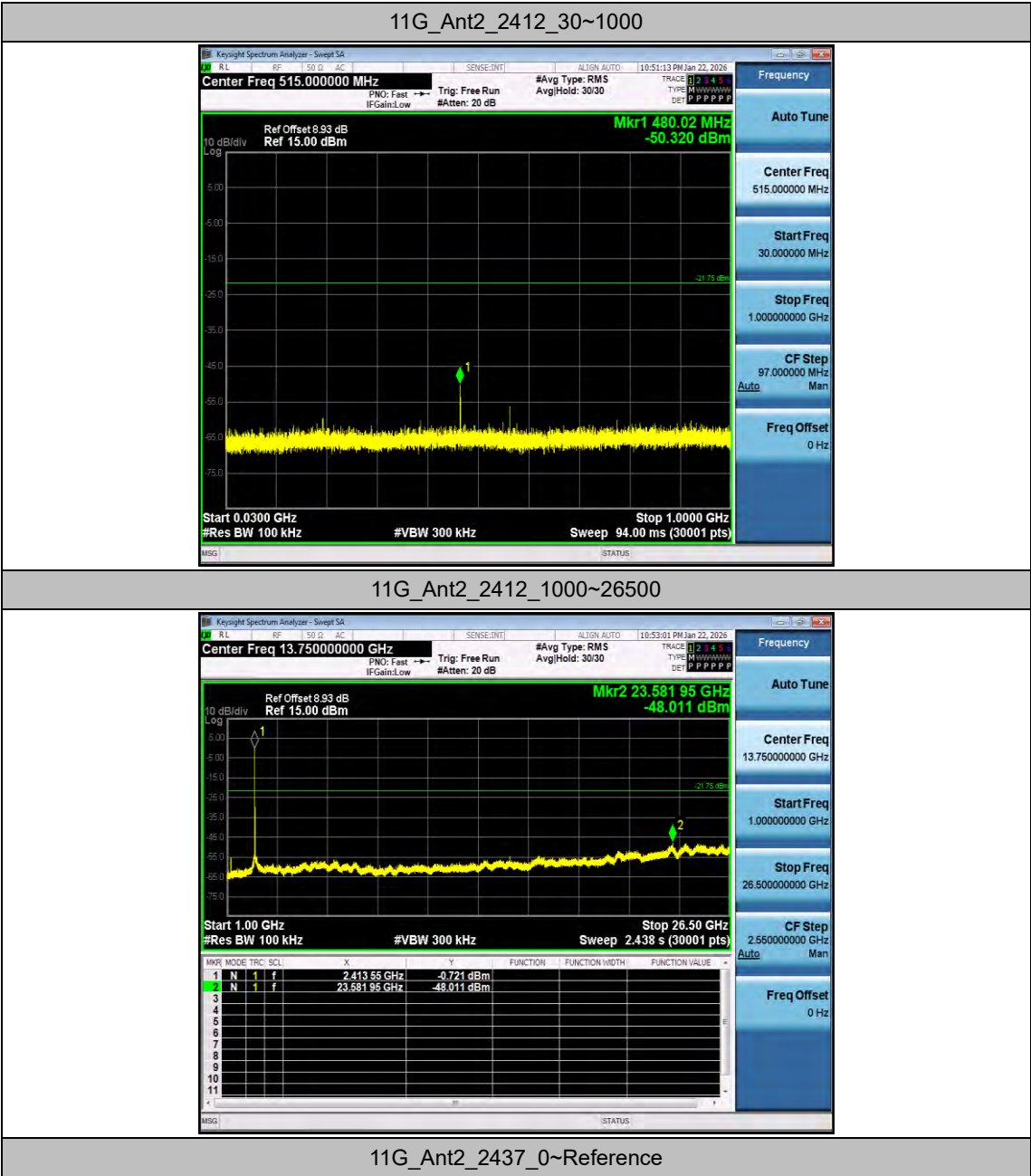


11B_Ant2_2462_1000~26500



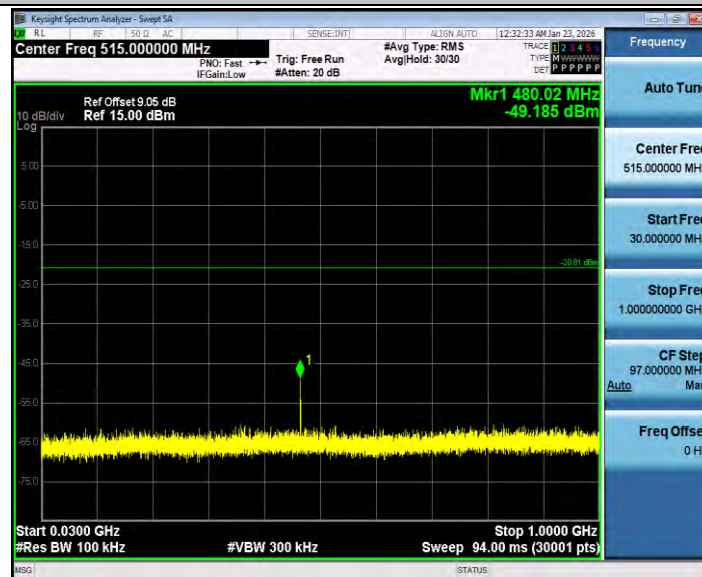
11G_Ant2_2412_0~Reference







11G_Ant2_2437_30~1000



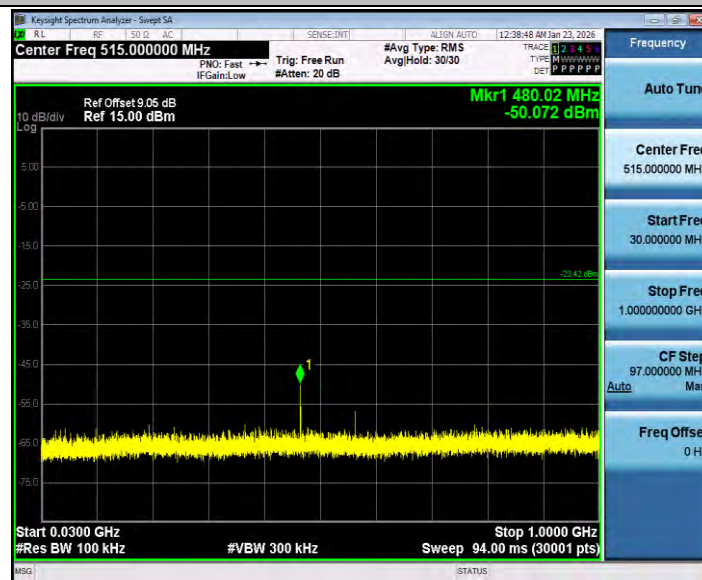
11G_Ant2_2437_1000~26500



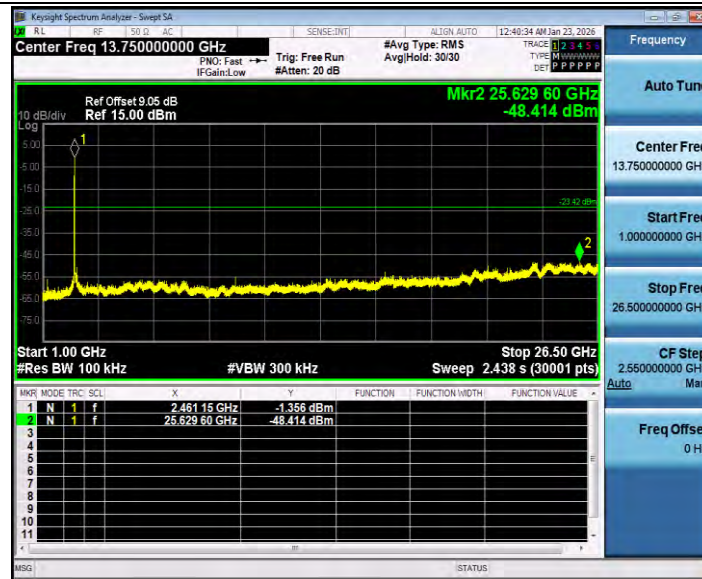
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



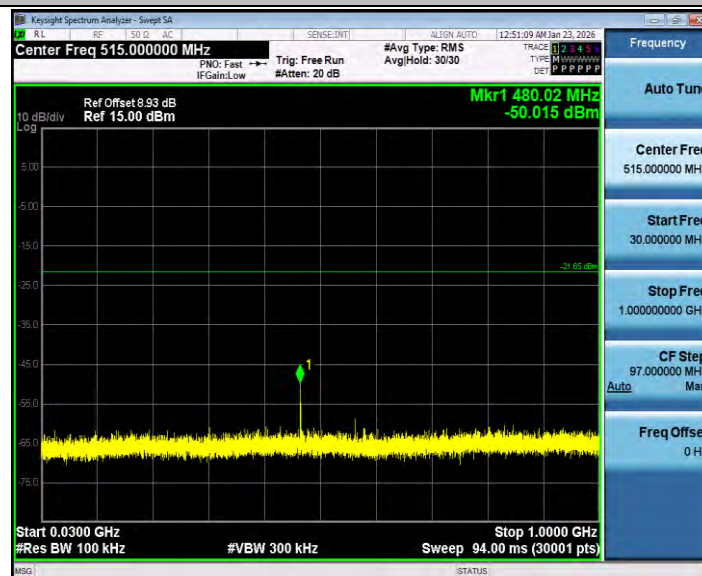
11G_Ant2_2462_1000~26500



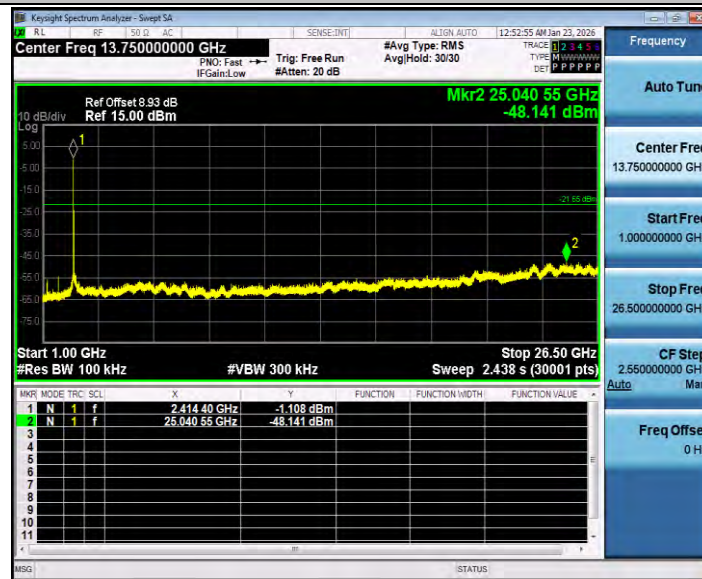
11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



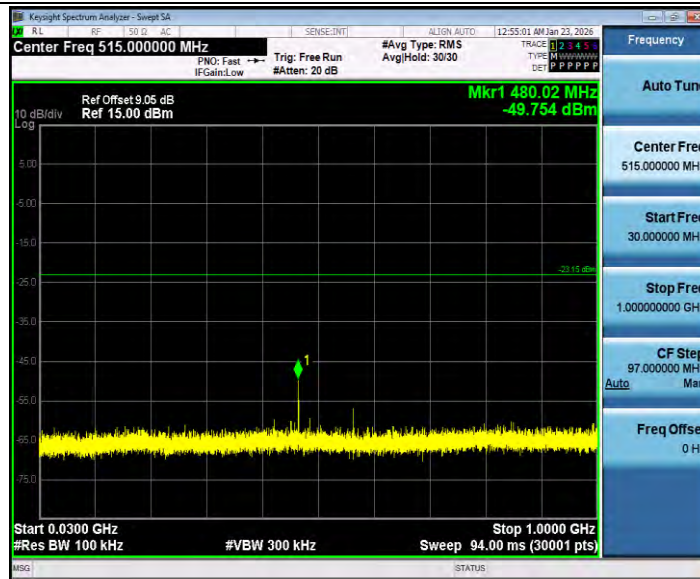
11N20SISO_Ant2_2412_1000~26500



11N20SISO_Ant2_2437_0~Reference



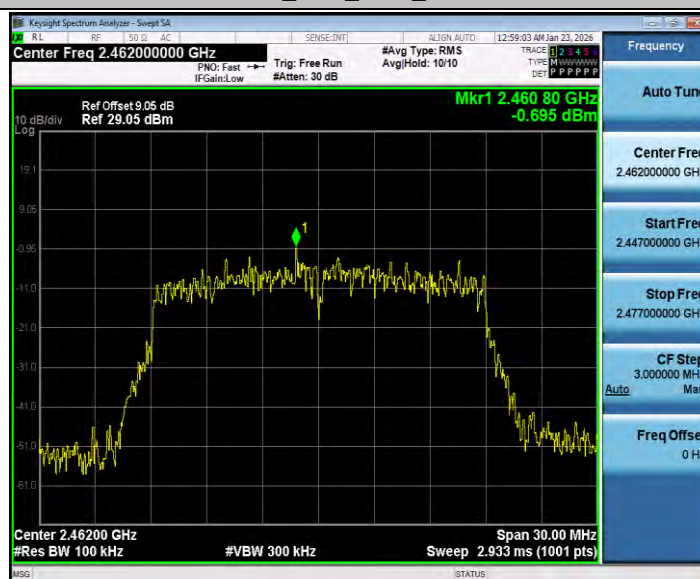
11N20SISO_Ant2_2437_30~1000

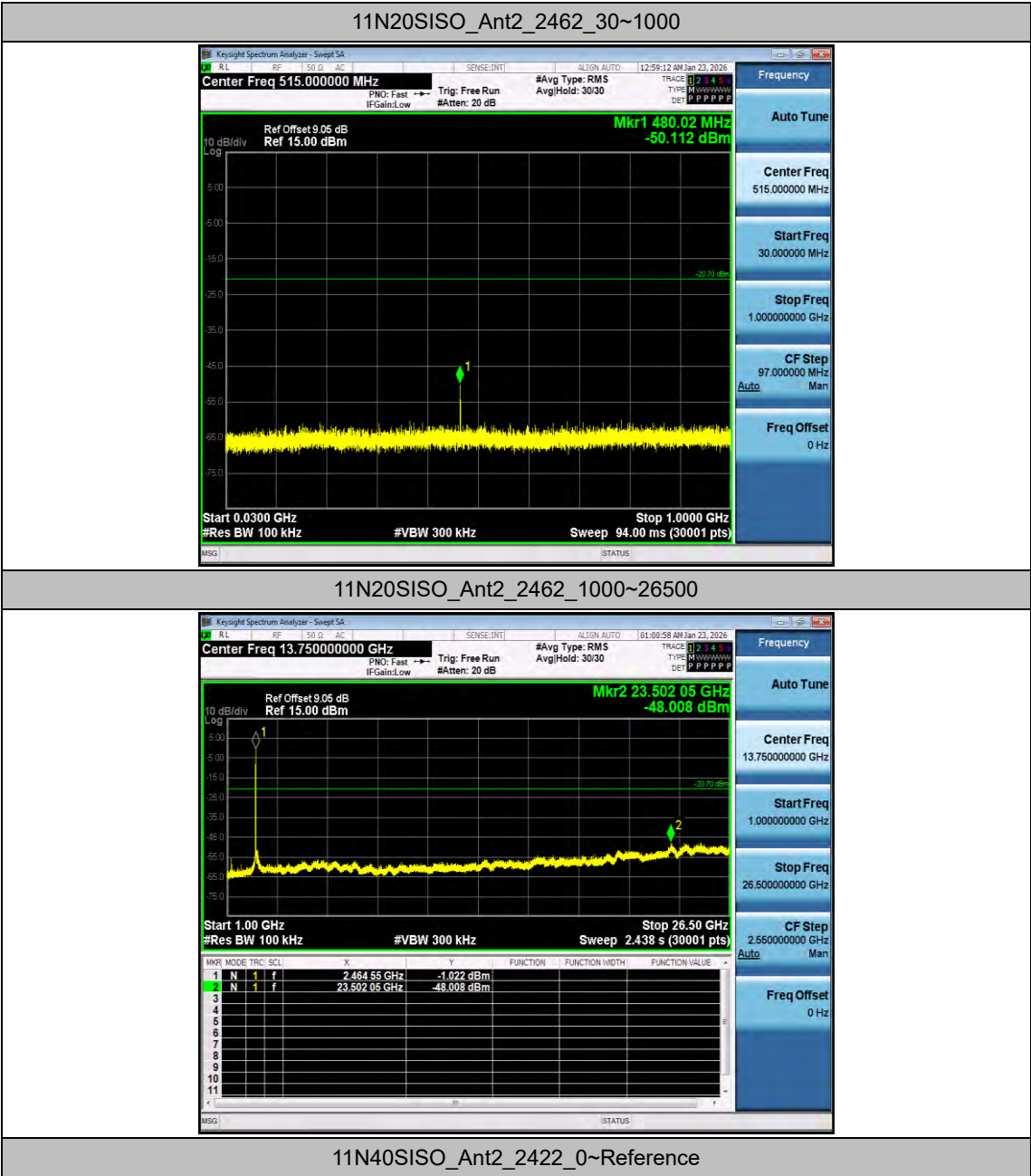


11N20SISO_Ant2_2437_1000~26500



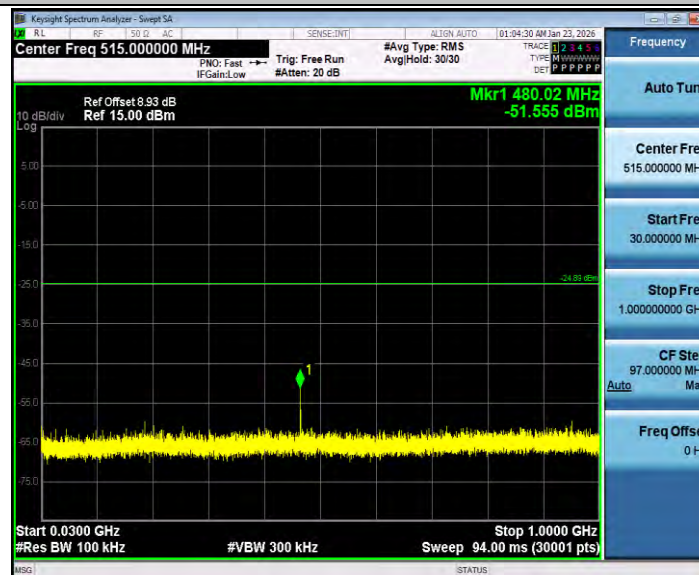
11N20SISO_Ant2_2462_0~Reference







11N40SISO_Ant2_2422_30~1000



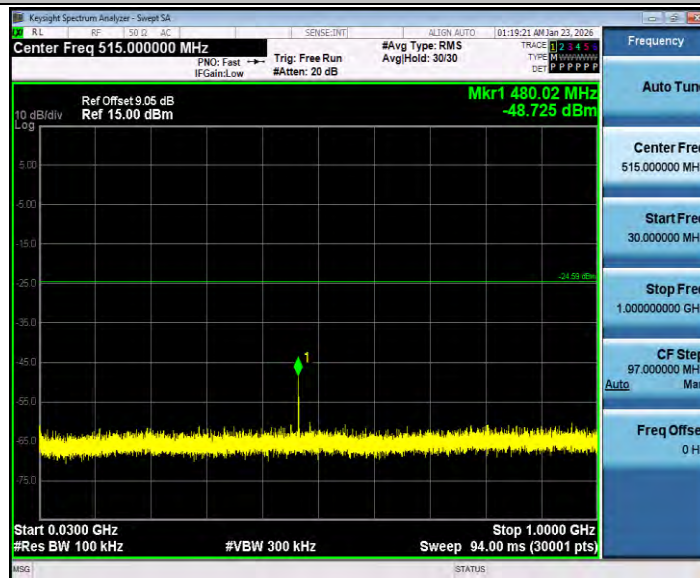
11N40SISO_Ant2_2422_1000~26500



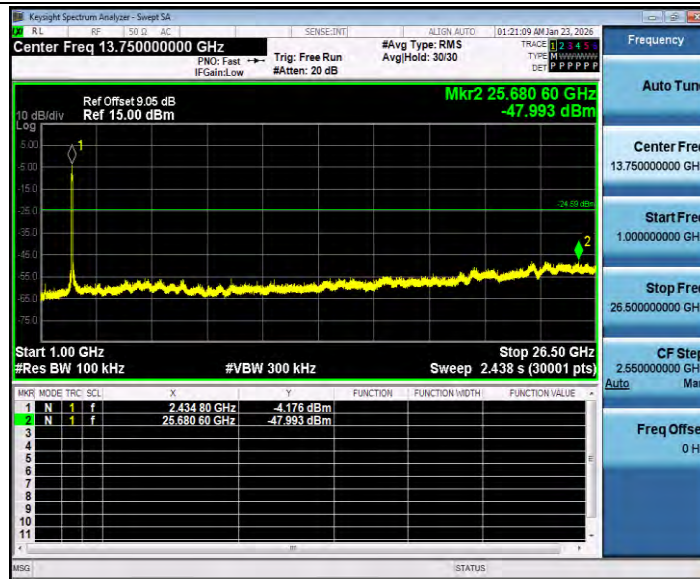
11N40SISO_Ant2_2437_0~Reference



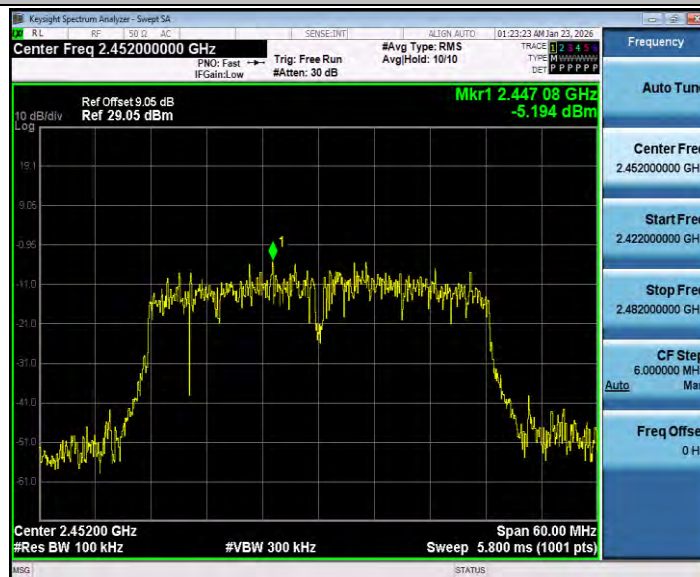
11N40SISO_Ant2_2437_30~1000



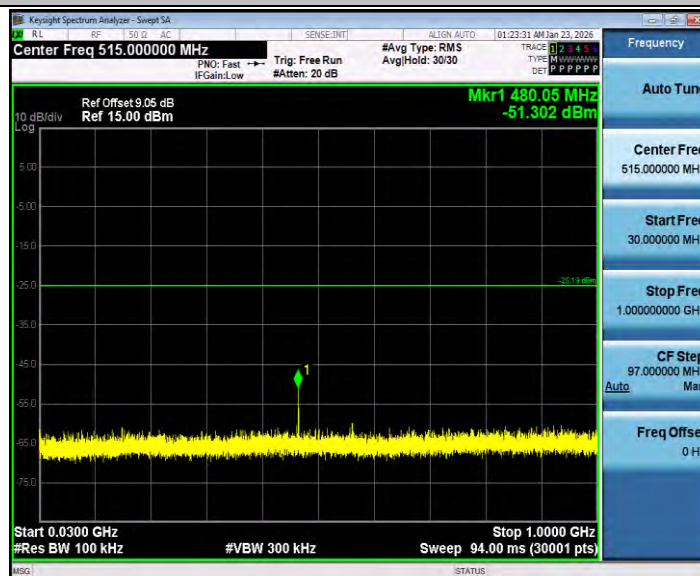
11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000



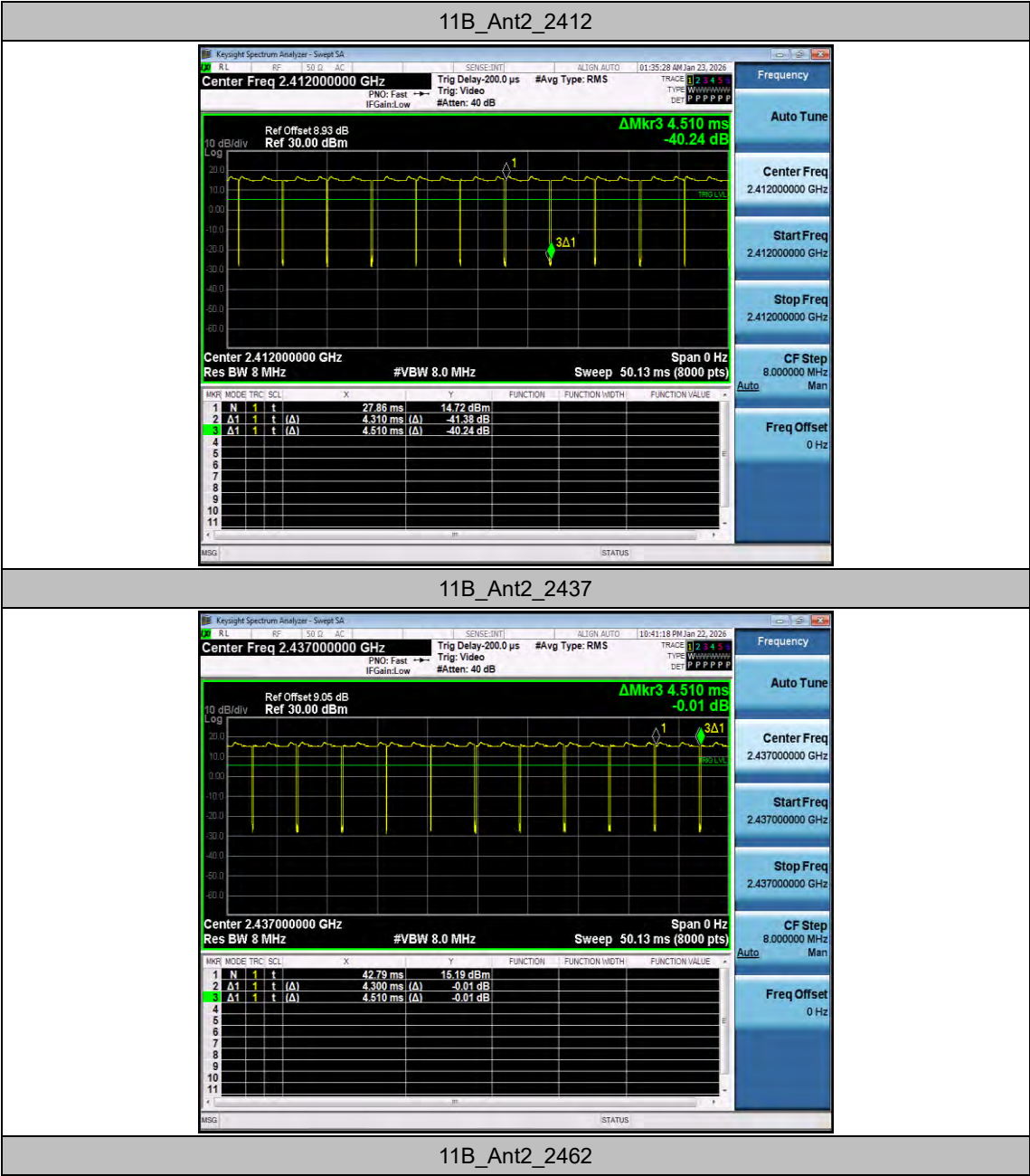


Appendix A.7: Duty Cycle

Test Result

TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]	1/T Factor [KHz]
11B	Ant2	2412	4.31	4.51	95.57	0.20	0.23
		2437	4.30	4.51	95.34	0.21	0.23
		2462	4.31	4.49	95.99	0.18	0.23
11G	Ant2	2412	0.19	0.40	47.50	3.23	5.26
		2437	0.19	0.40	47.50	3.23	5.26
		2462	0.19	0.40	47.50	3.23	5.26
11N20SISO	Ant2	2412	0.16	0.38	42.11	3.76	6.25
		2437	0.16	0.38	42.11	3.76	6.25
		2462	0.17	0.38	44.74	3.49	5.88
11N40SISO	Ant2	2422	0.11	0.31	35.48	4.50	9.09
		2437	0.10	0.31	32.26	4.91	10.00
		2452	0.10	0.31	32.26	4.91	10.00

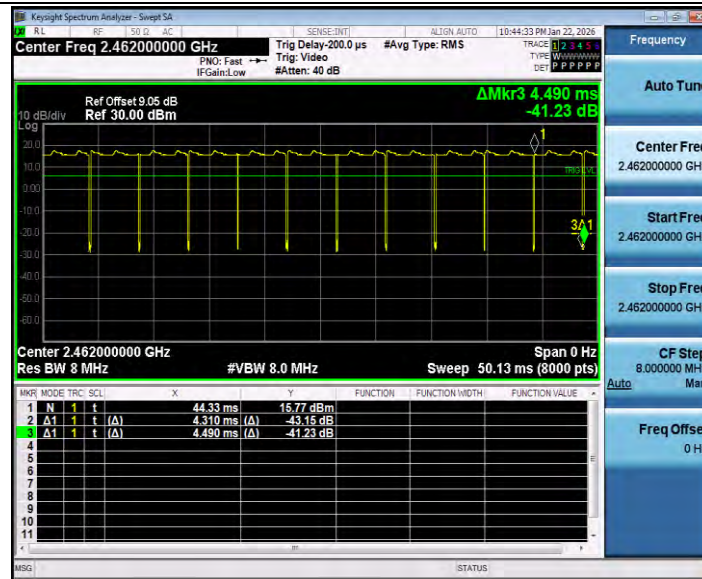
Test Graphs



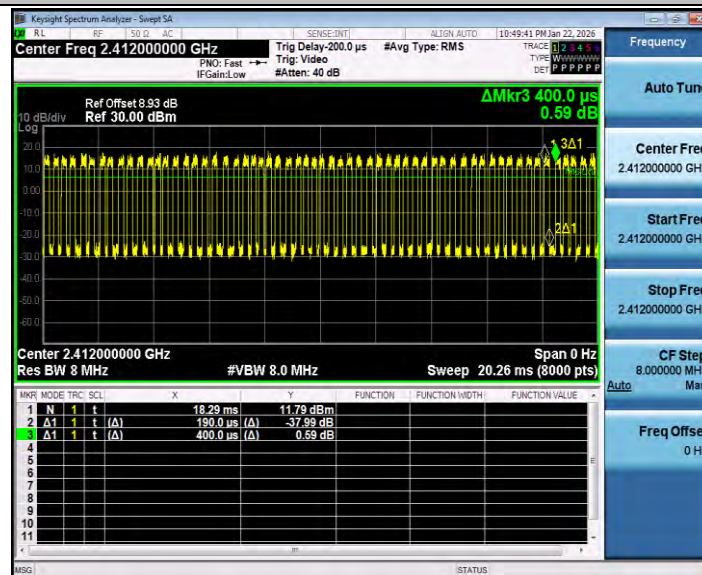
11B_Ant2_2437

Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.437000000 GHz
Stop Freq 2.437000000 GHz
CF Step 8.0000000 MHz
Freq Offset 0 Hz

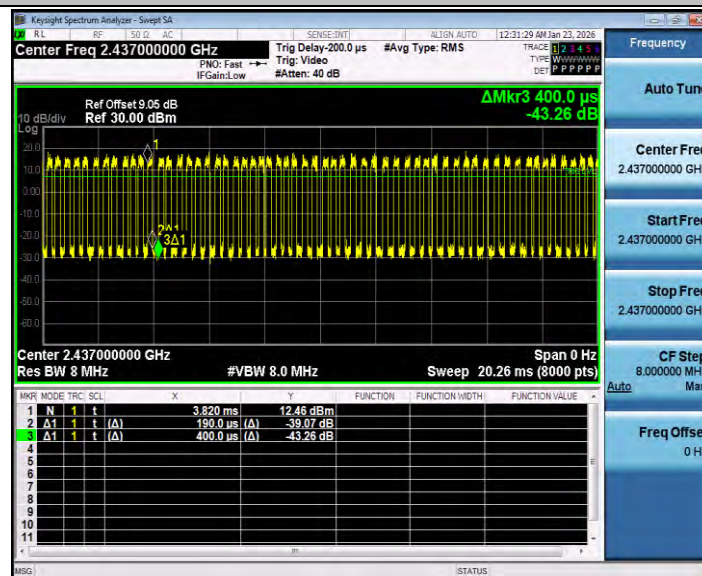
11B_Ant2_2462

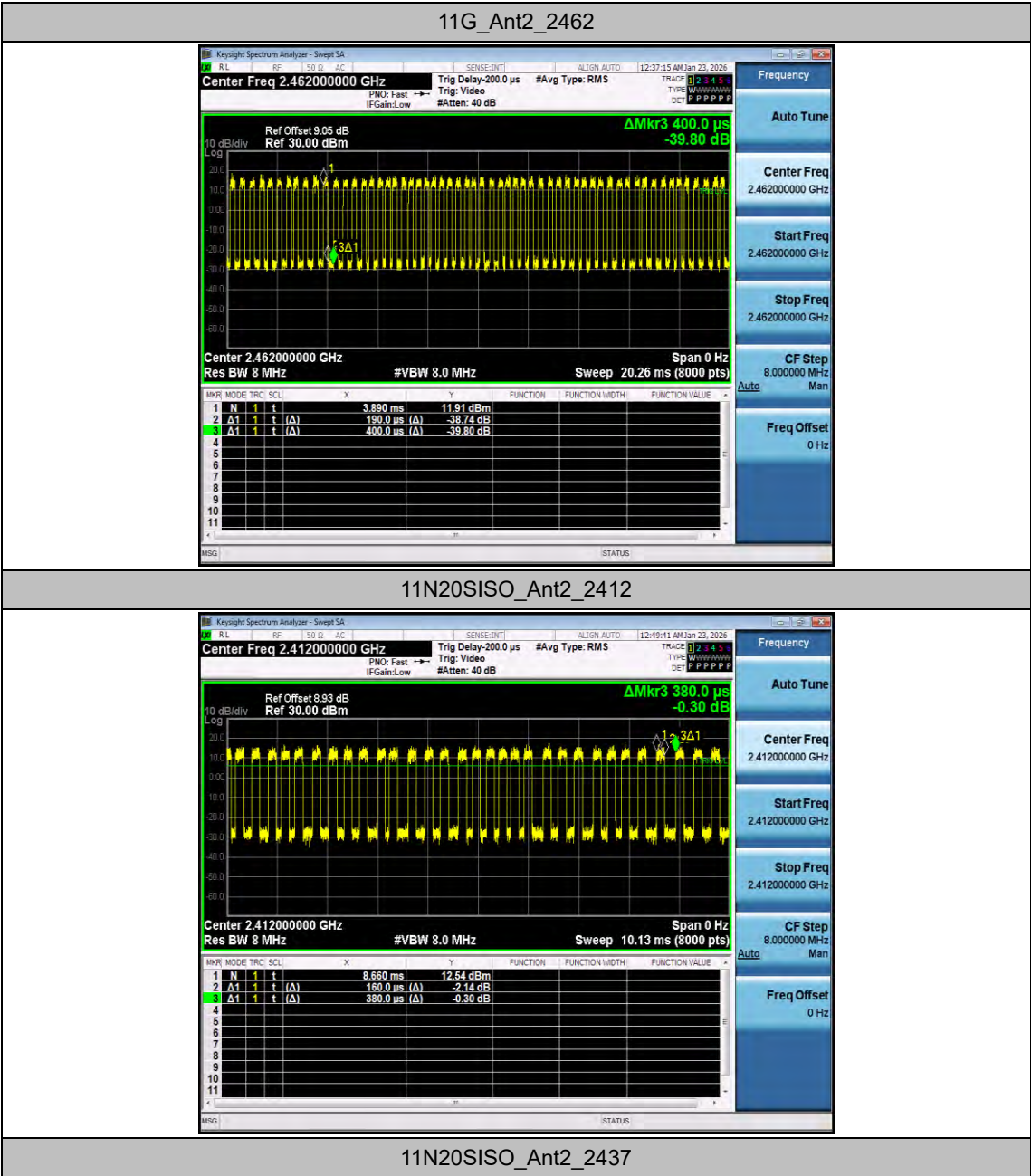


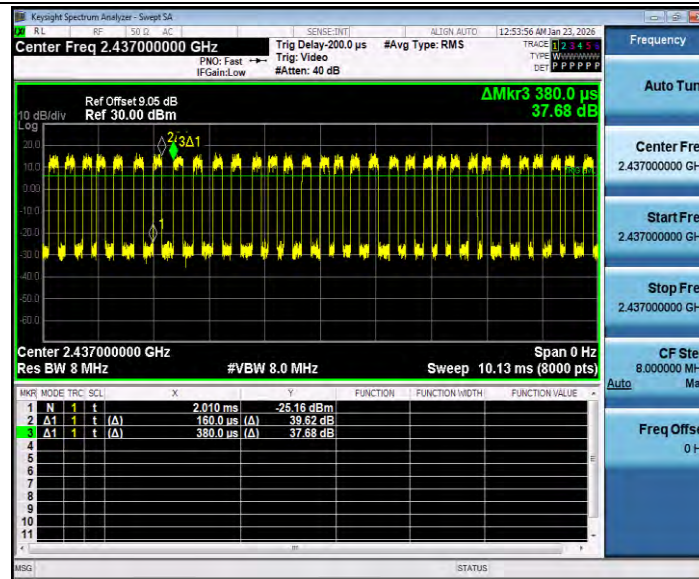
11G_Ant2_2412



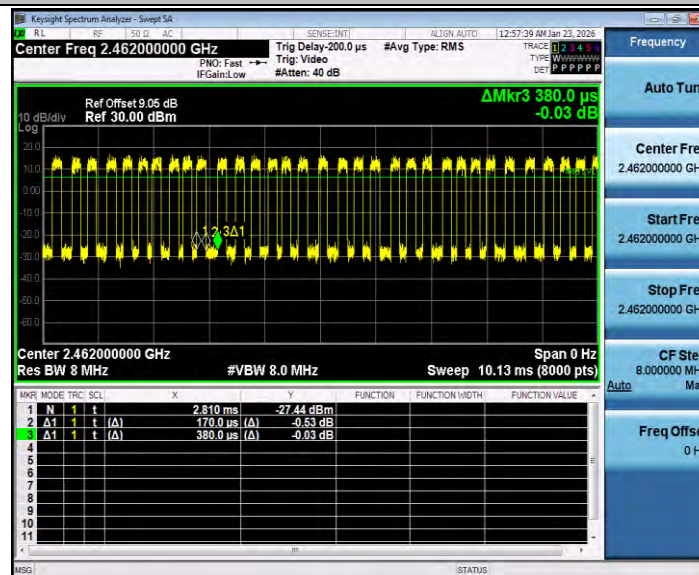
11G_Ant2_2437



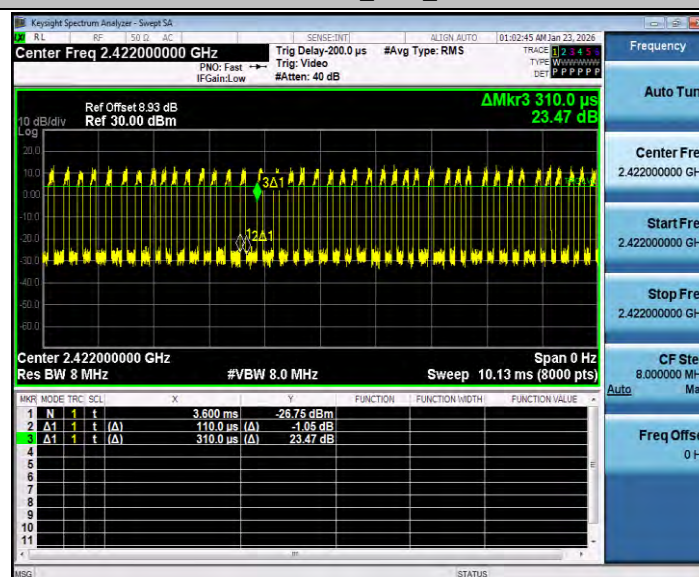




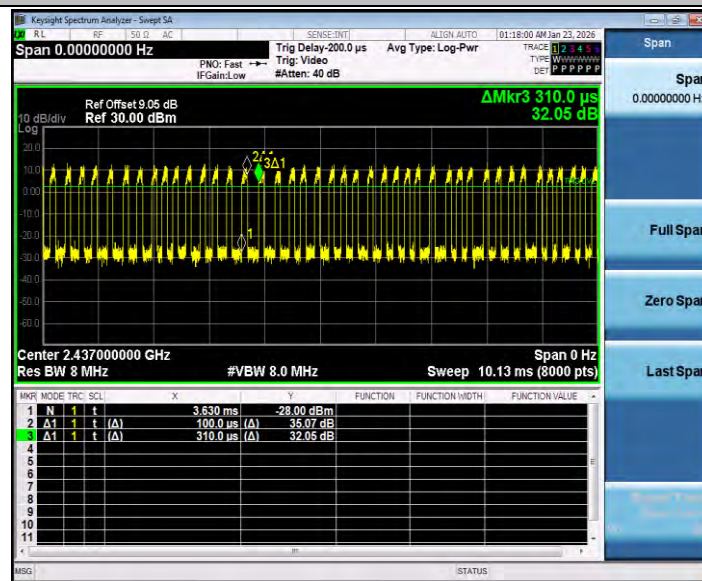
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

