

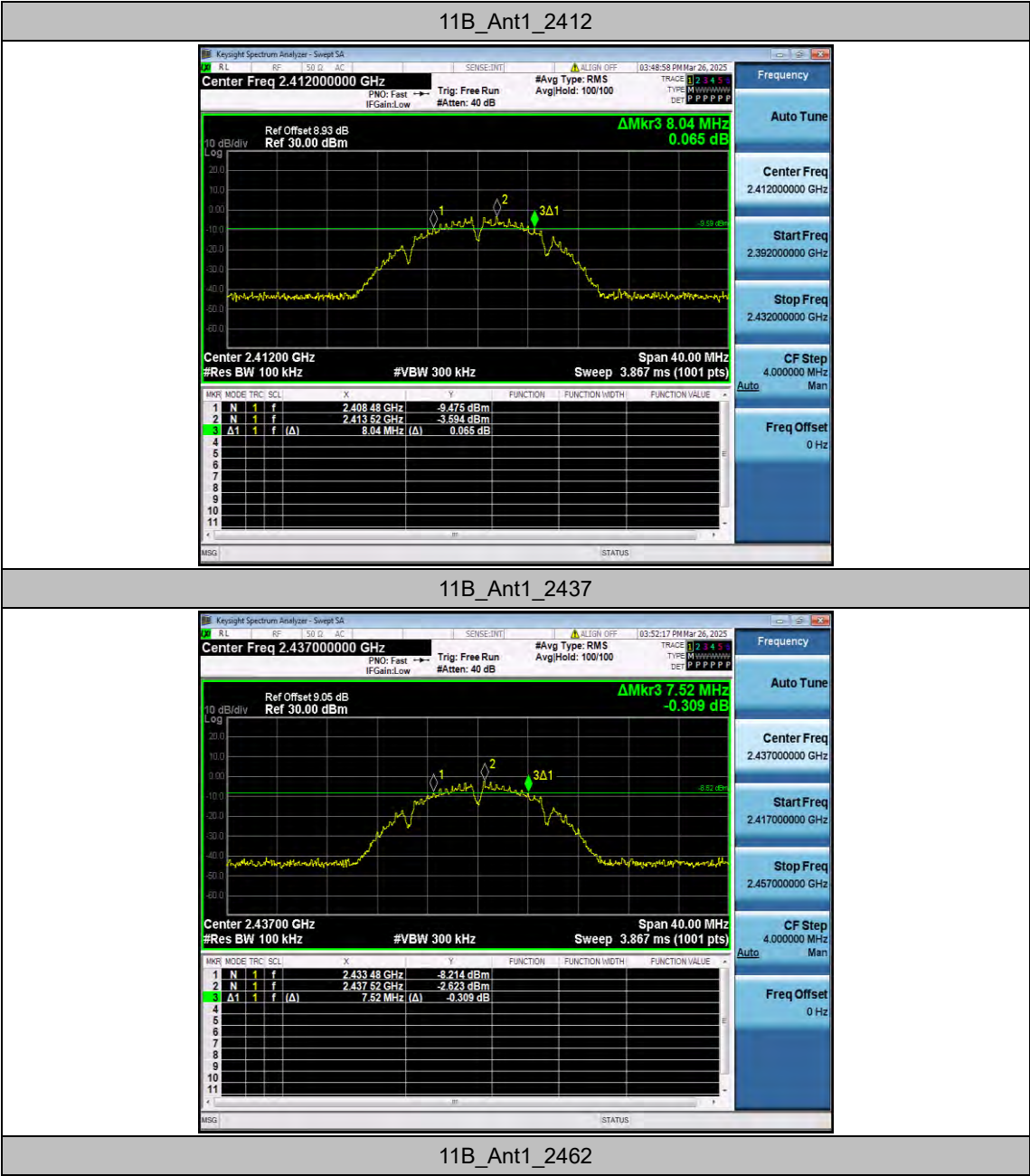
Case No. : <u>GTS20250213017-1-03</u>	
Ambient Condition: <u>23</u> °C, <u>53</u> %RH,	
Test Date: <u>2025.3.6-2025.3.31</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2408.480	2416.520	0.5	PASS
		2437	7.520	2433.480	2441.000	0.5	PASS
		2462	8.560	2457.960	2466.520	0.5	PASS
11G	Ant1	2412	13.240	2406.960	2420.200	0.5	PASS
		2437	13.840	2430.720	2444.560	0.5	PASS
		2462	15.400	2454.120	2469.520	0.5	PASS
11N20SISO	Ant1	2412	16.360	2404.480	2420.840	0.5	PASS
		2437	16.520	2429.240	2445.760	0.5	PASS
		2462	17.200	2453.200	2470.400	0.5	PASS
11N40SISO	Ant1	2422	24.400	2415.760	2440.160	0.5	PASS
		2437	30.080	2421.960	2452.040	0.5	PASS
		2452	28.880	2434.400	2463.280	0.5	PASS

Test Graphs



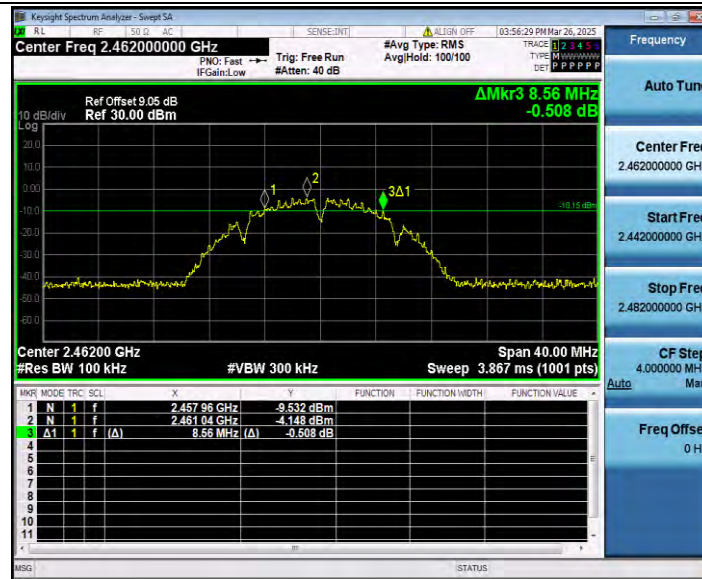
11B_Ant1_2437

Frequency

Auto Tune

Center Freq
2.43700000 GHzStart Freq
2.417000000 GHzStop Freq
2.457000000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

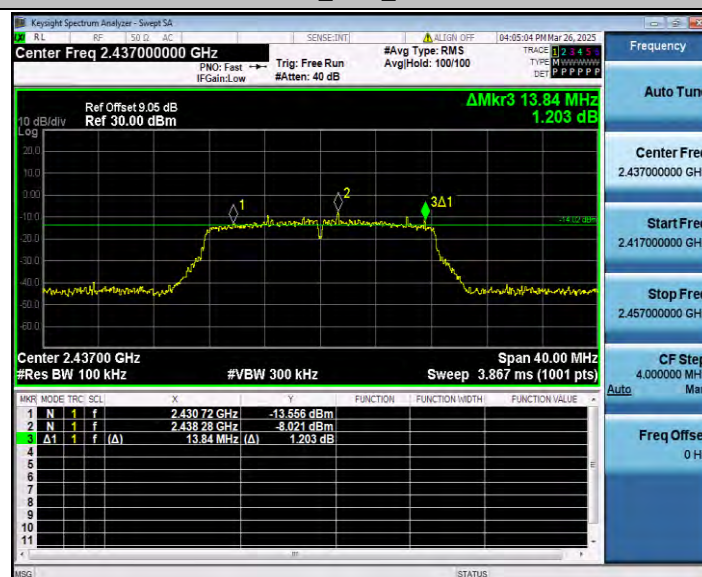
11B_Ant1_2462



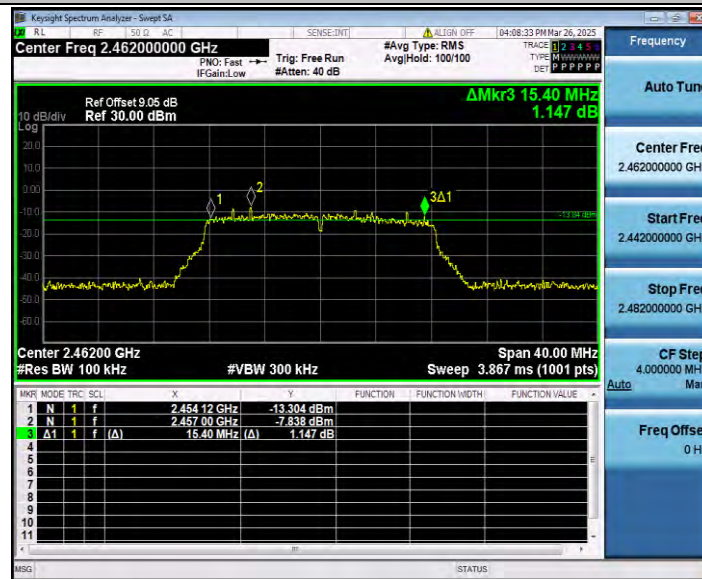
11G_Ant1_2412



11G_Ant1_2437



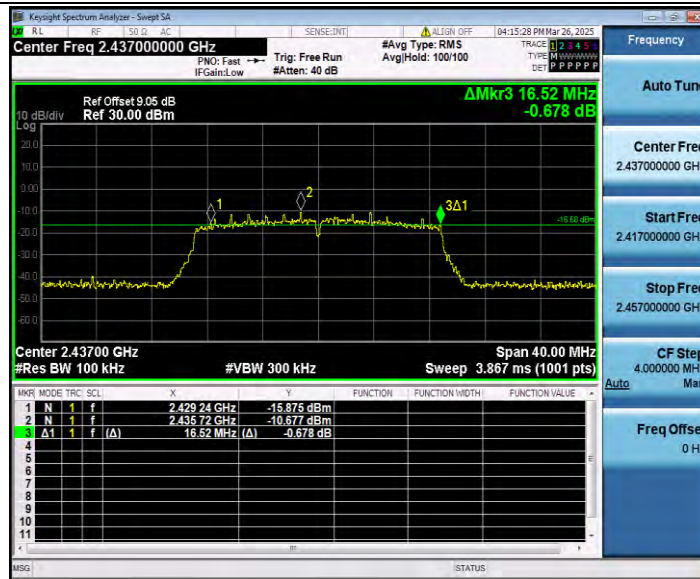
11G_Ant1_2462



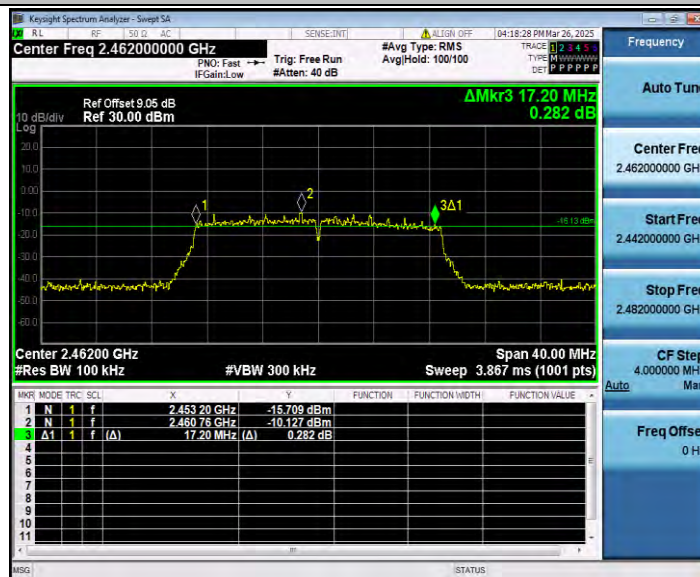
11N20SISO_Ant1_2412



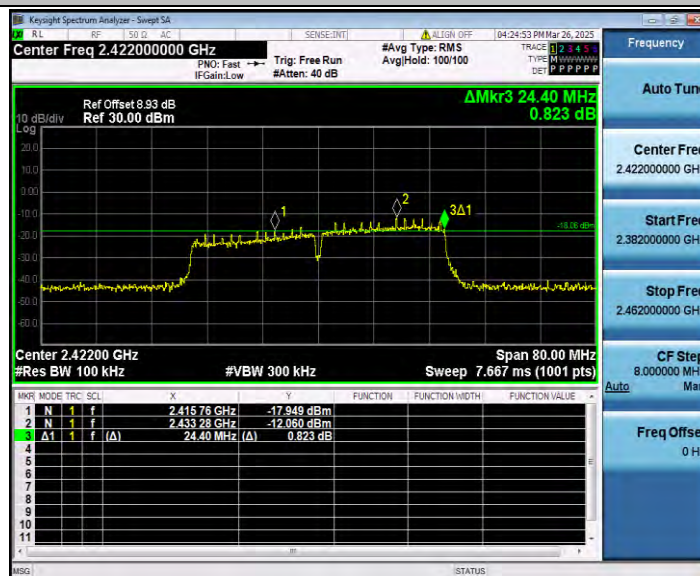
11N20SISO_Ant1_2437



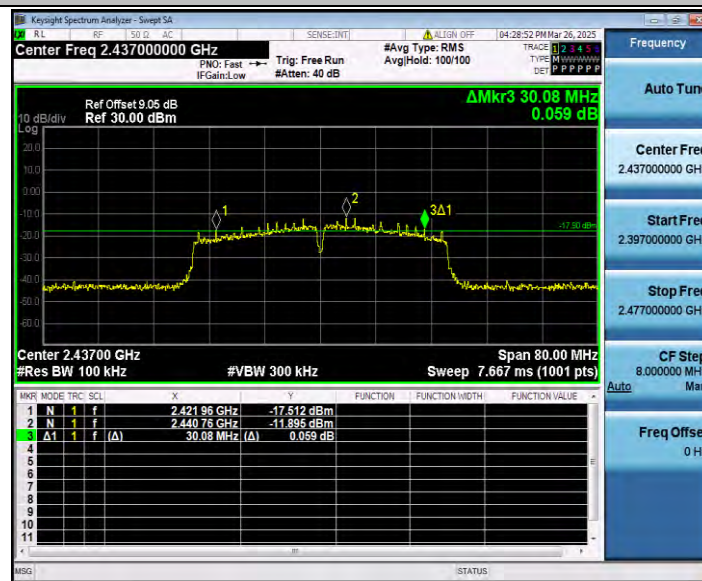
11N20SISO_Ant1_2462



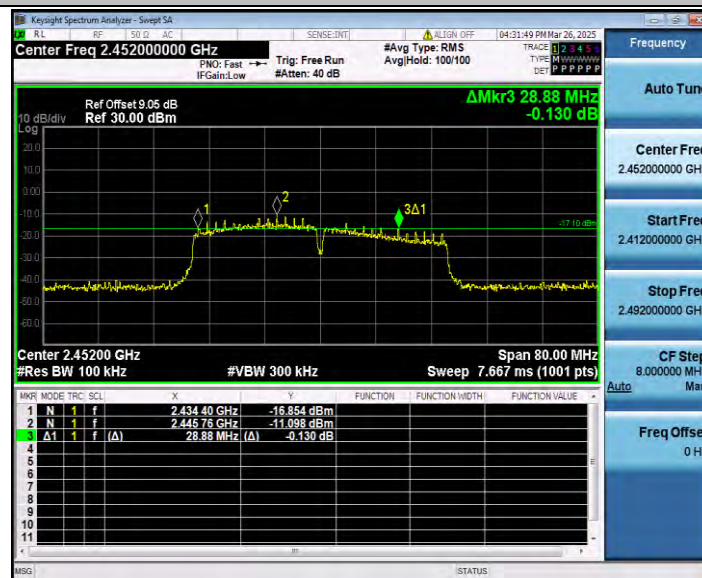
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



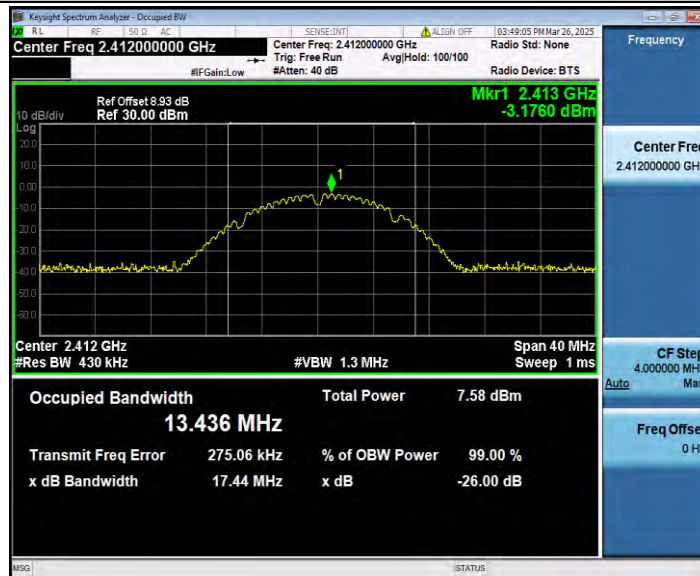
Appendix C.2: Occupied Channel Bandwidth

Test Result

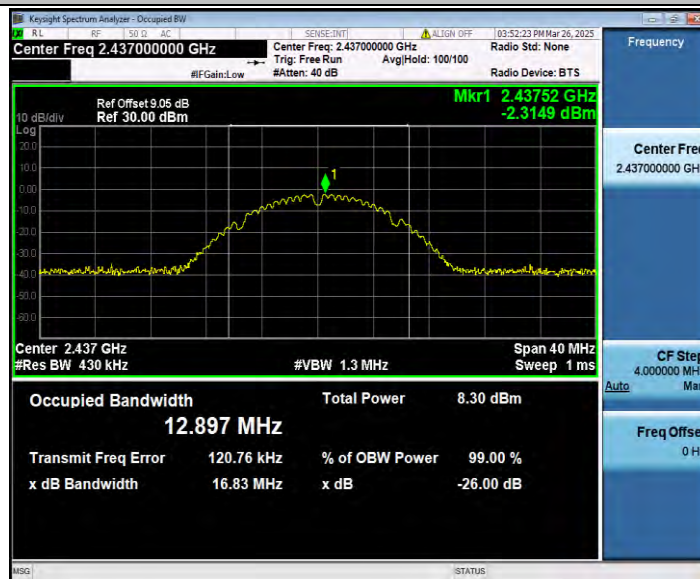
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.436	2405.5571	2418.9931	---	---
		2437	12.897	2430.6723	2443.5693	---	---
		2462	13.222	2455.2558	2468.4778	---	---
11G	Ant1	2412	17.223	2403.6633	2420.8863	---	---
		2437	16.927	2428.5541	2445.4811	---	---
		2462	17.120	2453.3952	2470.5152	---	---
11N20SISO	Ant1	2412	18.160	2403.1336	2421.2936	---	---
		2437	17.984	2428.0300	2446.0140	---	---
		2462	17.944	2452.9556	2470.8996	---	---
11N40SISO	Ant1	2422	36.839	2404.0486	2440.8876	---	---
		2437	35.993	2419.0793	2455.0723	---	---
		2452	36.145	2433.7200	2469.8650	---	---

Test Graphs

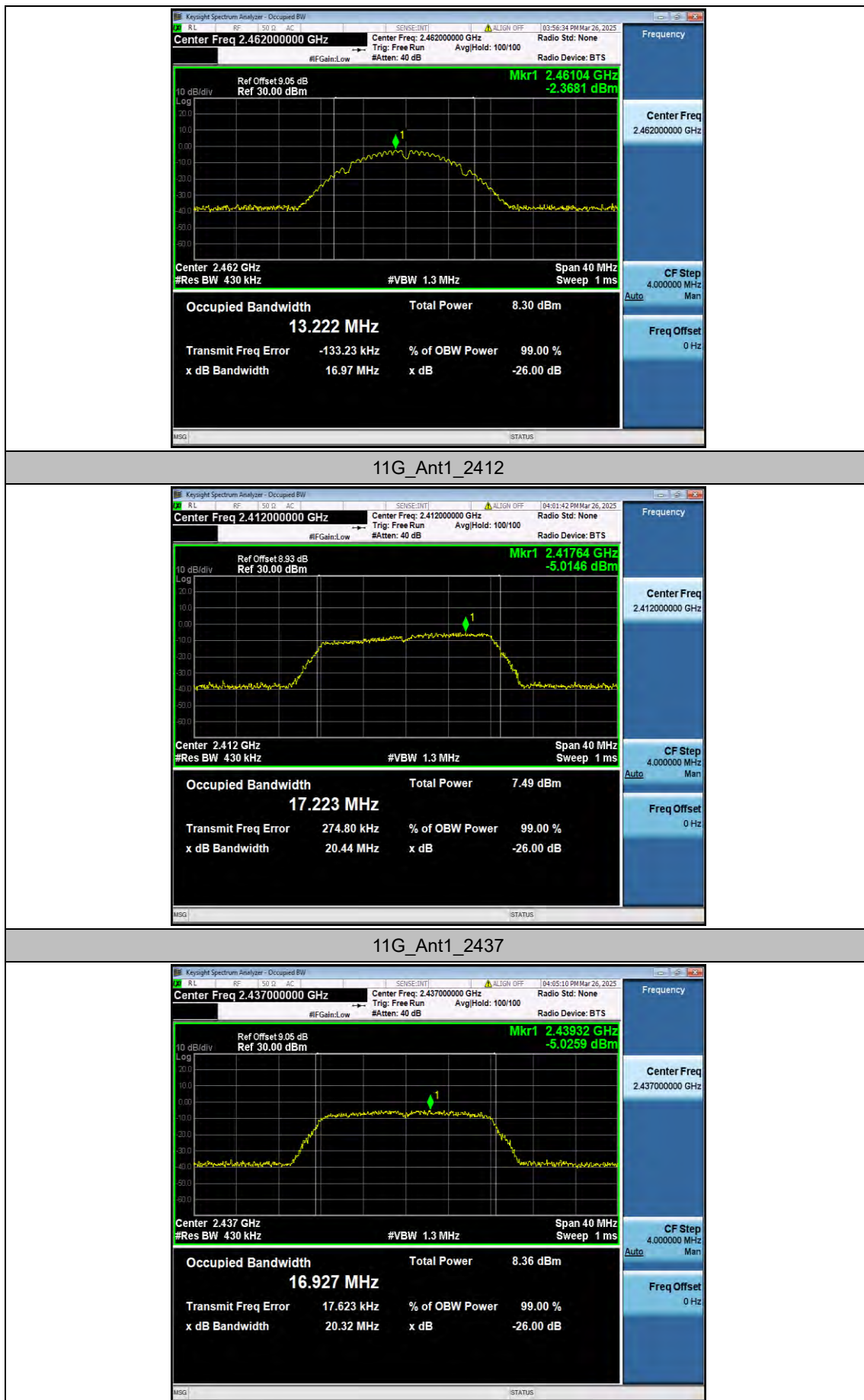
11B_Ant1_2412



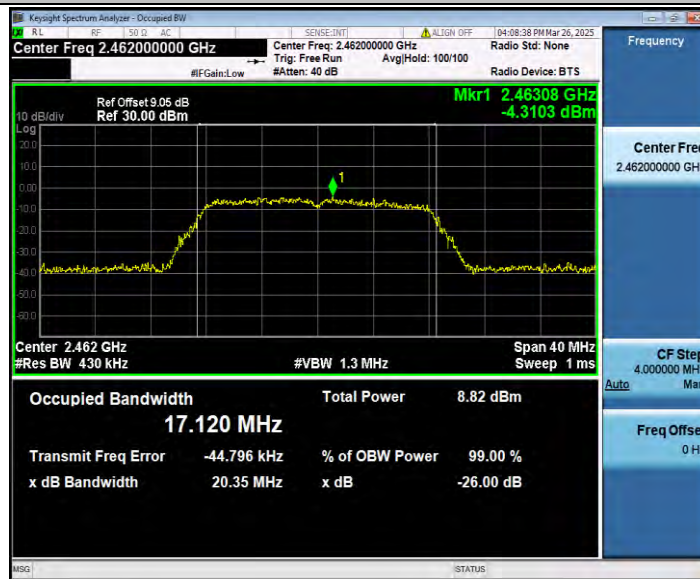
11B_Ant1_2437



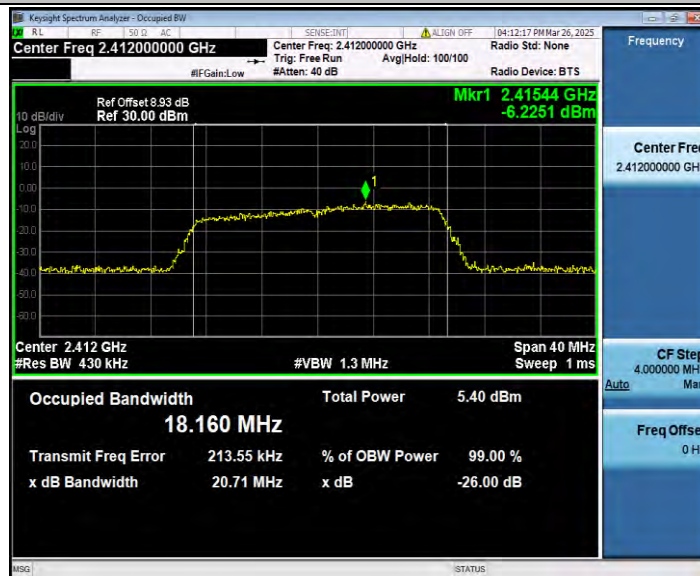
11B_Ant1_2462



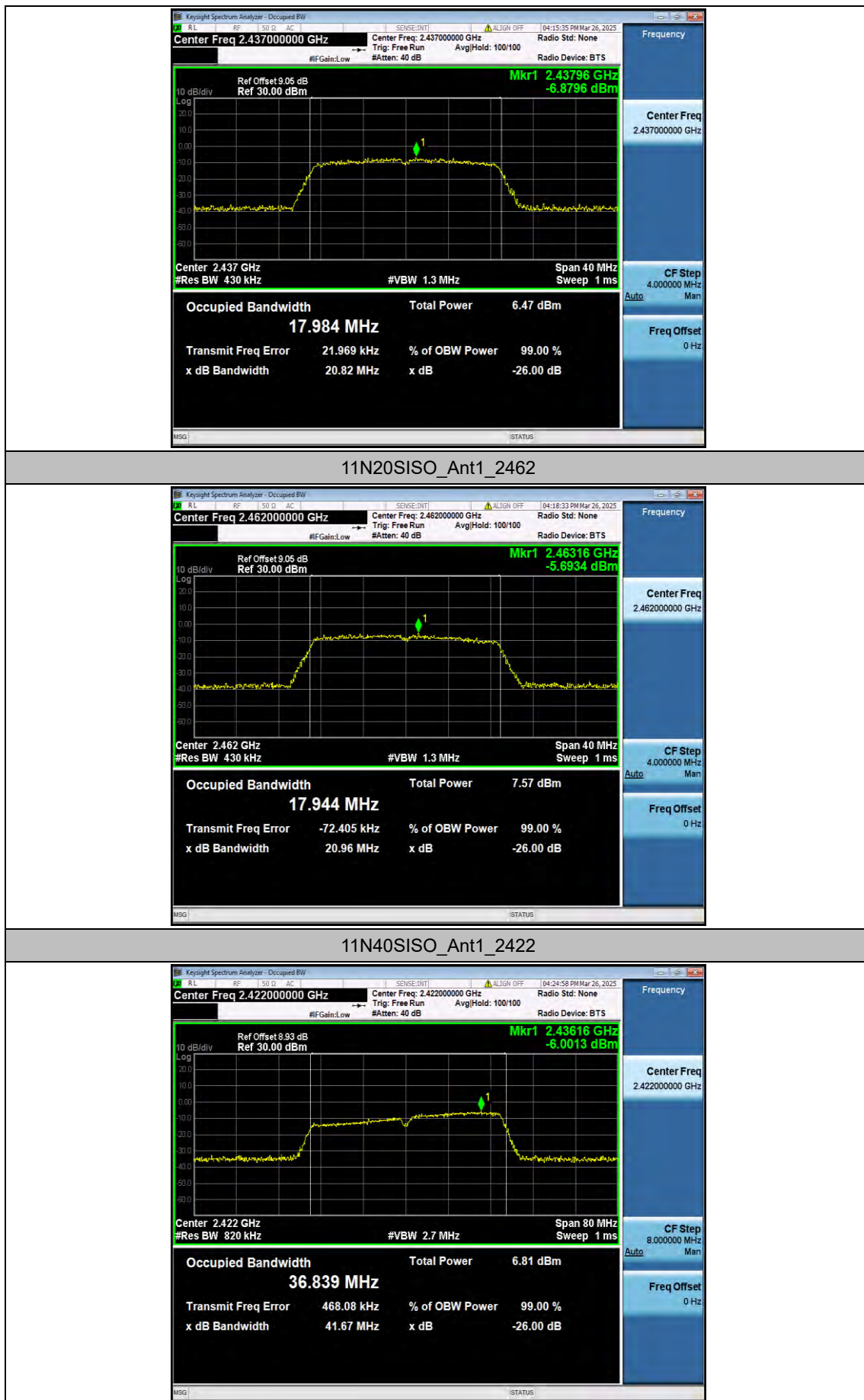
11G_Ant1_2462



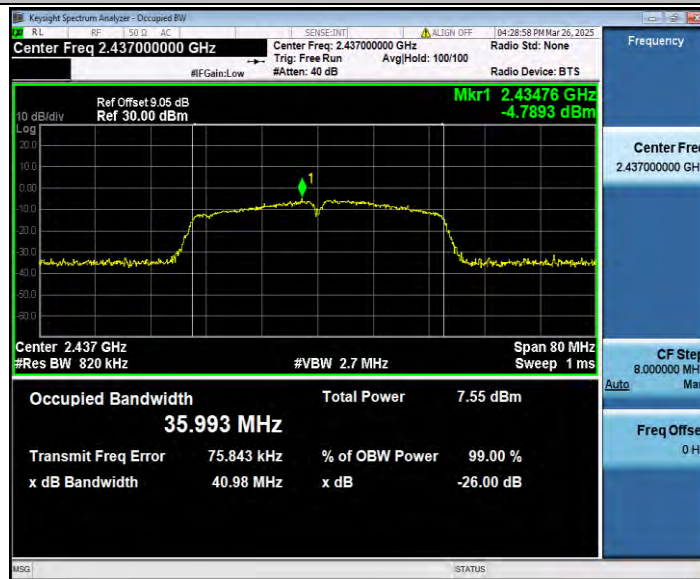
11N20SISO_Ant1_2412



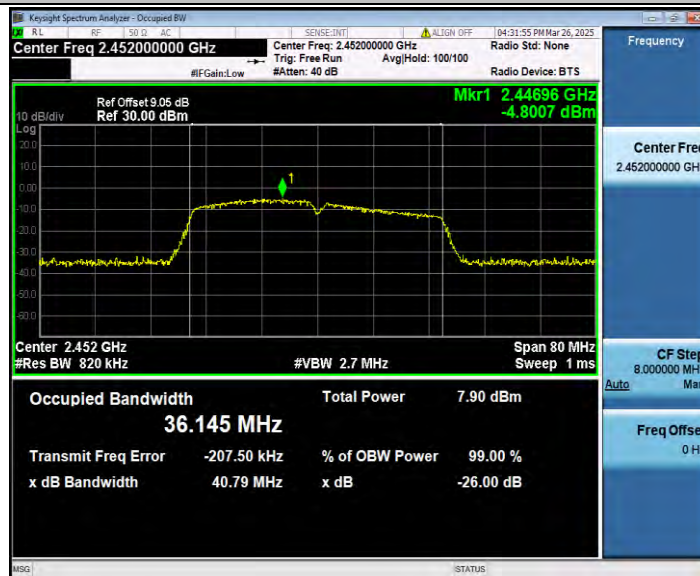
11N20SISO_Ant1_2437



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	8.52	≤30.00	PASS
		2437	8.31	≤30.00	PASS
		2462	8.43	≤30.00	PASS
11G	Ant1	2412	8.85	≤30.00	PASS
		2437	8.70	≤30.00	PASS
		2462	8.84	≤30.00	PASS
11N20SISO	Ant1	2412	8.91	≤30.00	PASS
		2437	8.76	≤30.00	PASS
		2462	8.92	≤30.00	PASS
11N40SISO	Ant1	2422	8.96	≤30.00	PASS
		2437	8.90	≤30.00	PASS
		2452	8.38	≤30.00	PASS

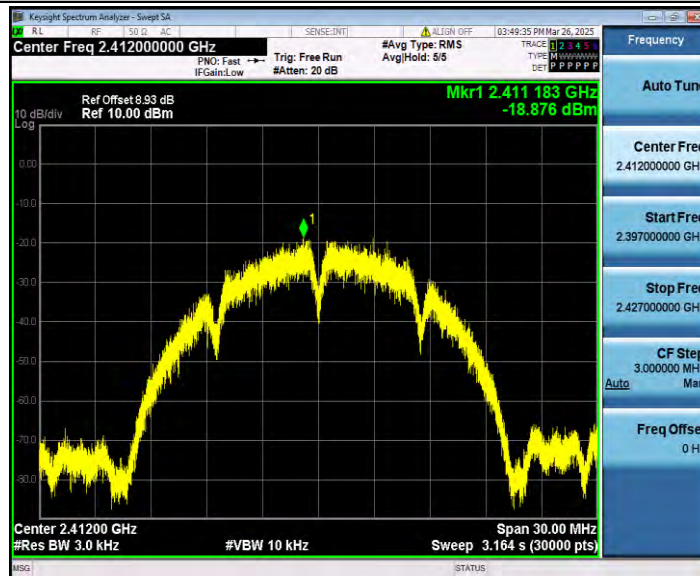
Appendix C.4: Maximum power spectral density

Test Result

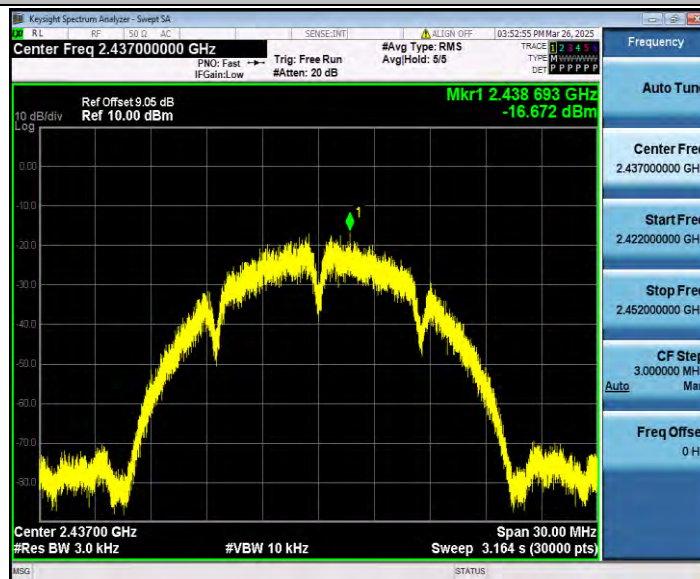
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18.88	≤8.00	PASS
		2437	-16.67	≤8.00	PASS
		2462	-16.46	≤8.00	PASS
11G	Ant1	2412	-21.28	≤8.00	PASS
		2437	-23.20	≤8.00	PASS
		2462	-23.14	≤8.00	PASS
11N20SISO	Ant1	2412	-24.83	≤8.00	PASS
		2437	-24.67	≤8.00	PASS
		2462	-24.08	≤8.00	PASS
11N40SISO	Ant1	2422	-26.98	≤8.00	PASS
		2437	-27.02	≤8.00	PASS
		2452	-25.36	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



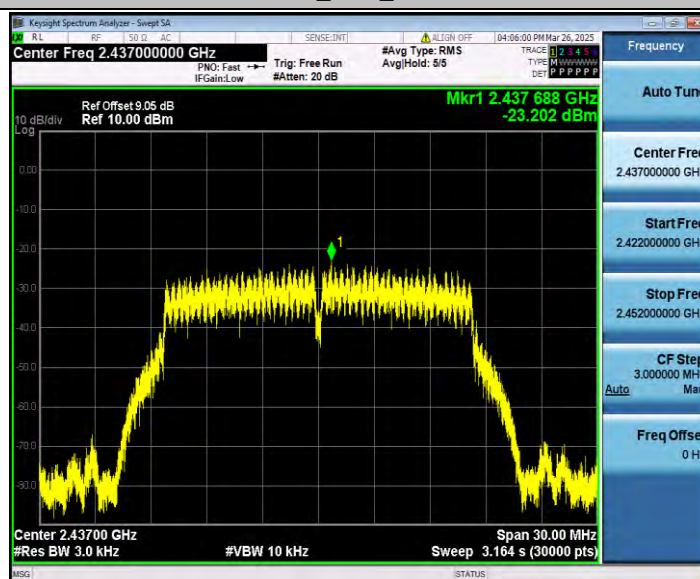
11B_Ant1_2462



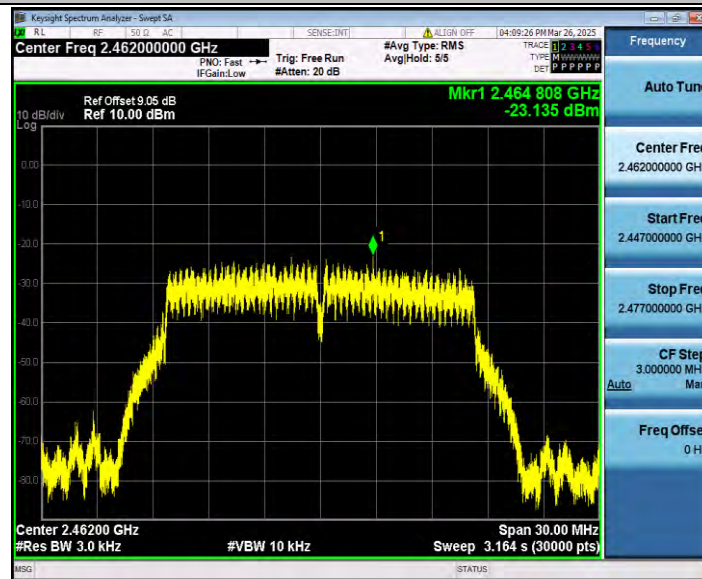
11G_Ant1_2412



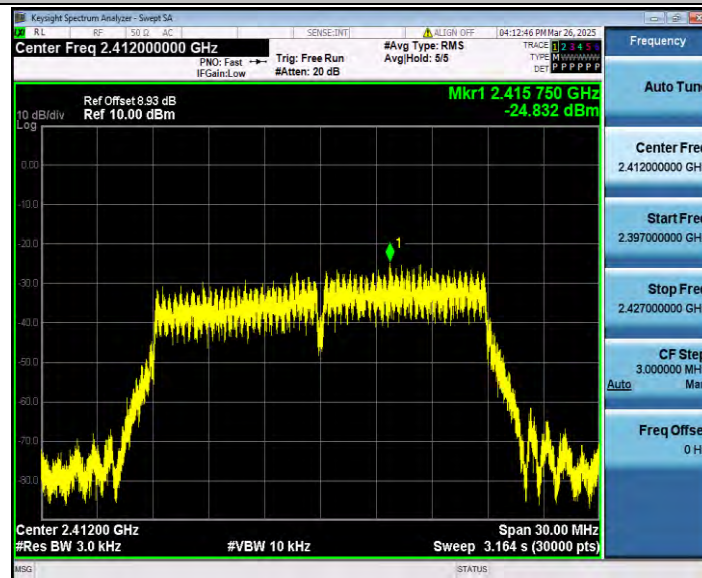
11G_Ant1_2437



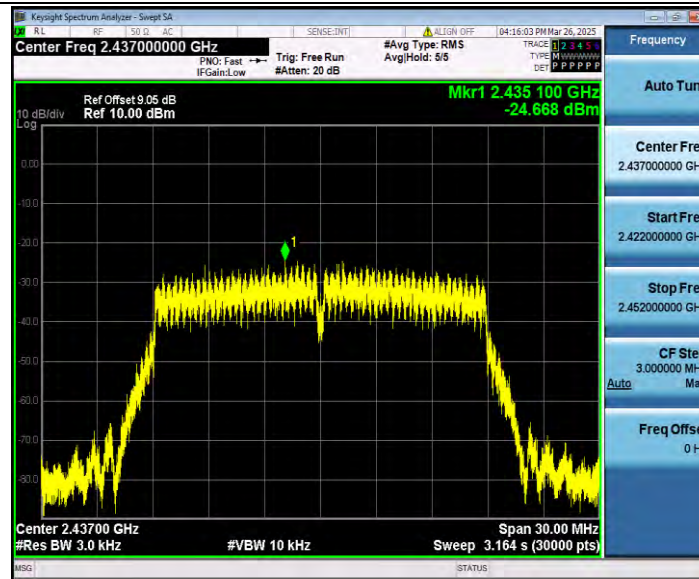
11G_Ant1_2462



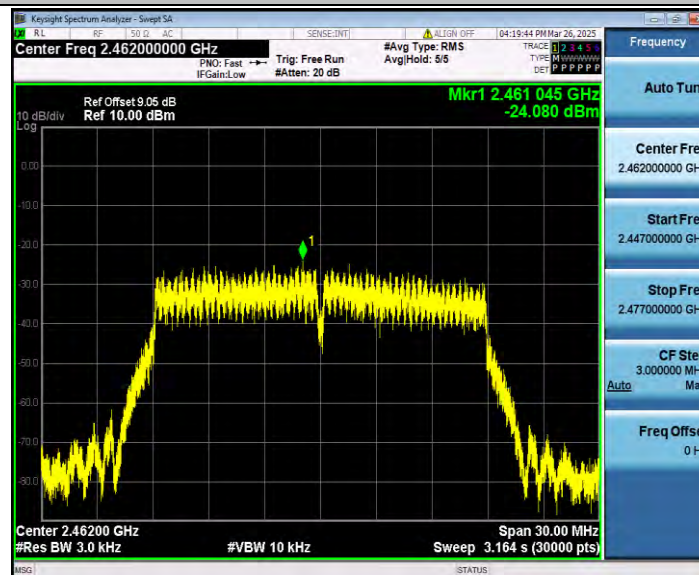
11N20SISO_Ant1_2412



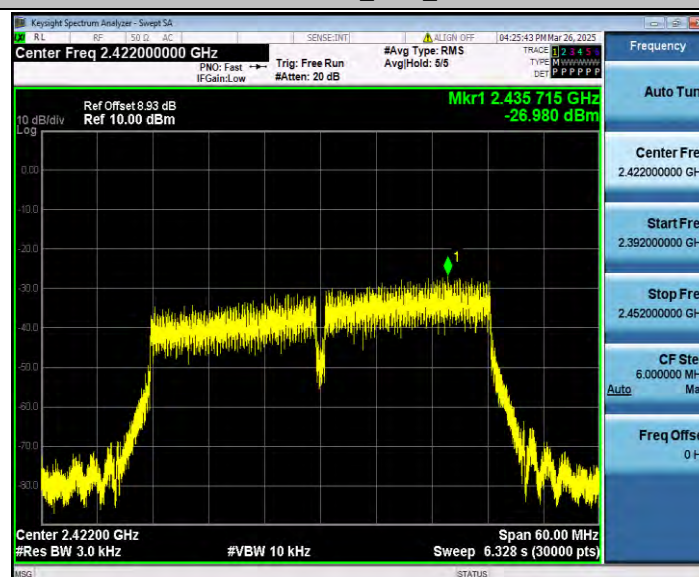
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

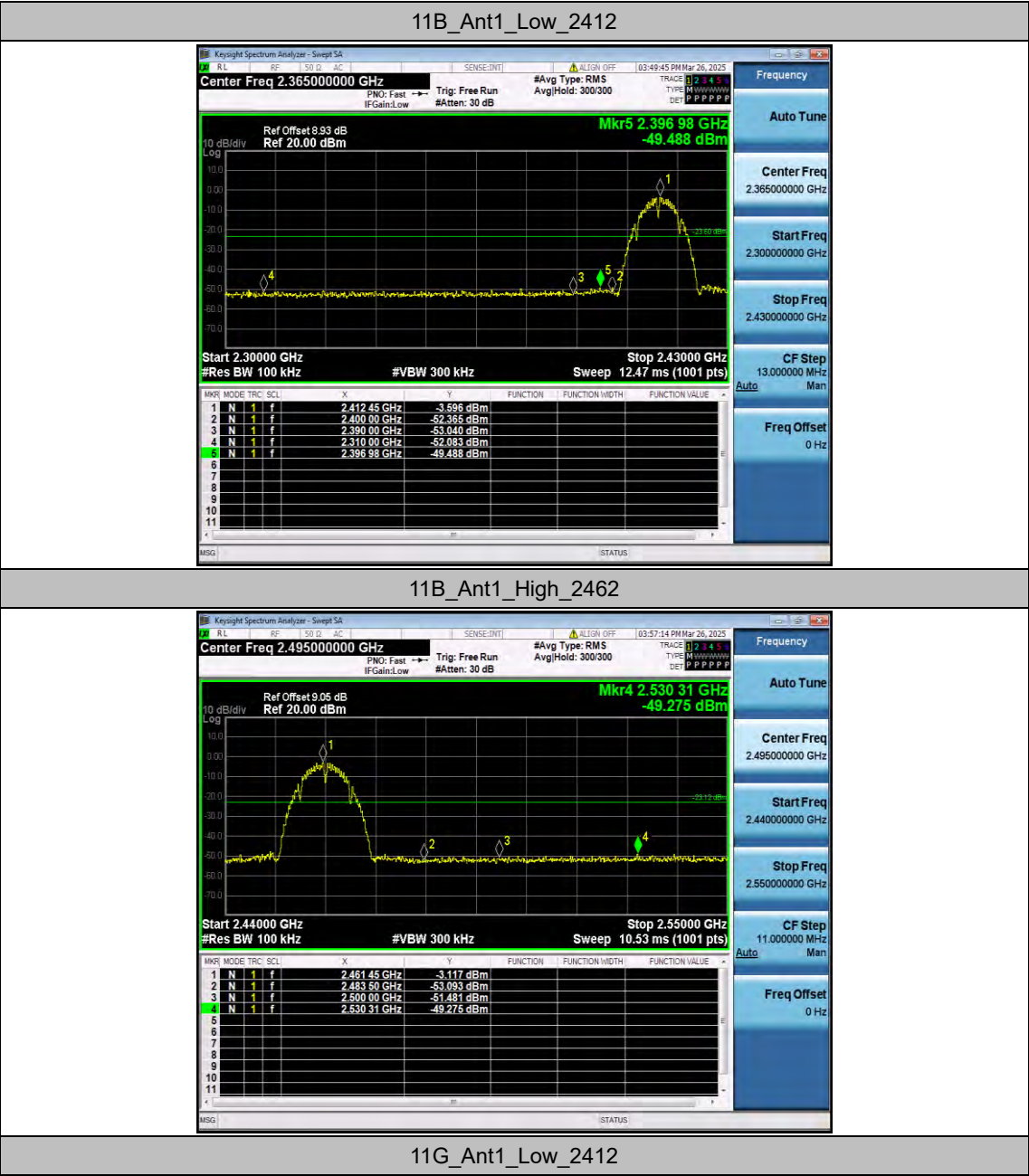


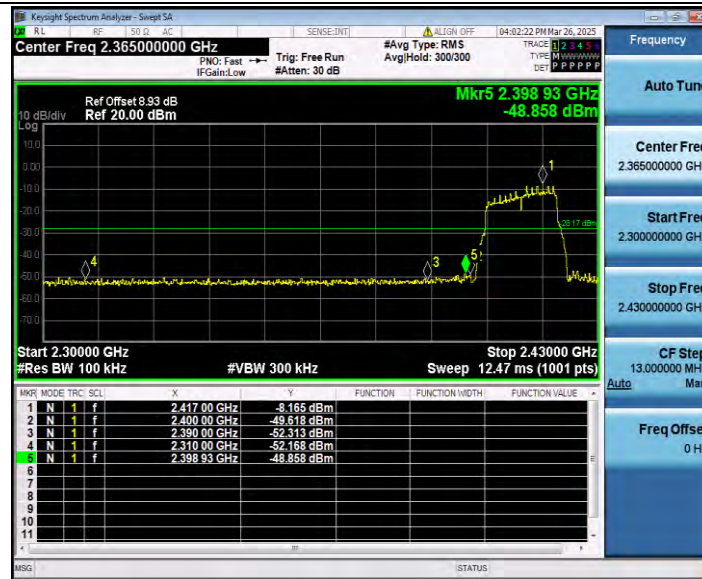
Appendix C.5: Band edge measurements

Test Result

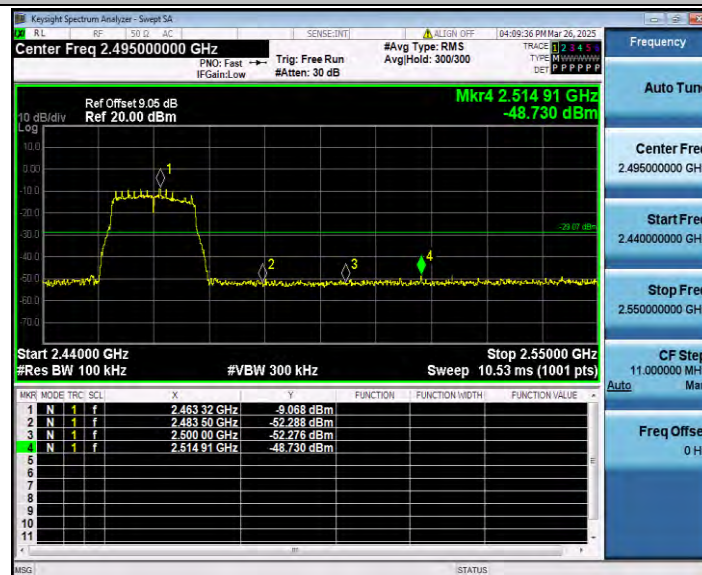
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-3.60	-49.49	≤ -23.6	PASS
		High	2462	-3.12	-49.28	≤ -23.12	PASS
11G	Ant1	Low	2412	-8.17	-48.86	≤ -28.17	PASS
		High	2462	-9.07	-48.73	≤ -29.07	PASS
11N20SISO	Ant1	Low	2412	-10.02	-50	≤ -30.02	PASS
		High	2462	-9.79	-49.33	≤ -29.79	PASS
11N40SISO	Ant1	Low	2422	-13.76	-48.95	≤ -33.76	PASS
		High	2452	-11.05	-49.6	≤ -31.05	PASS

Test Graphs

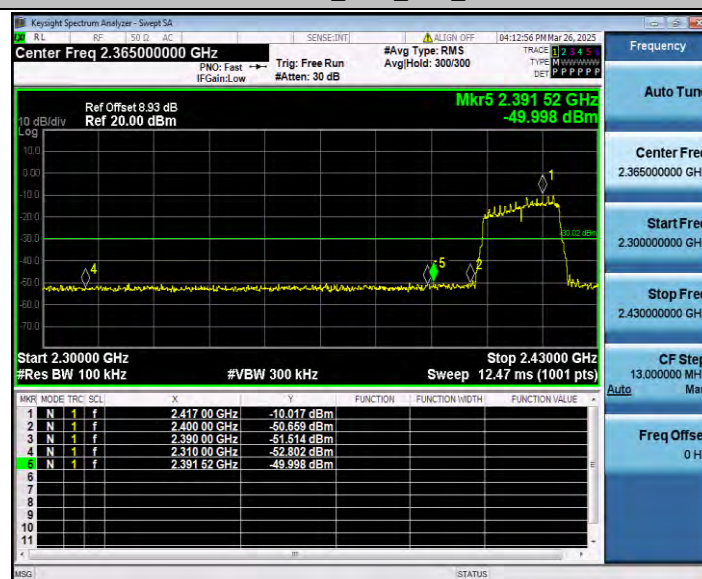




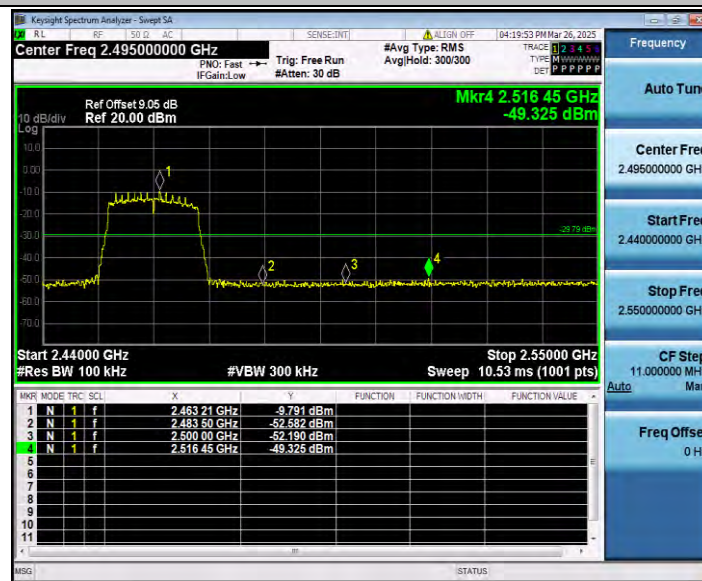
11G_Ant1_High_2462



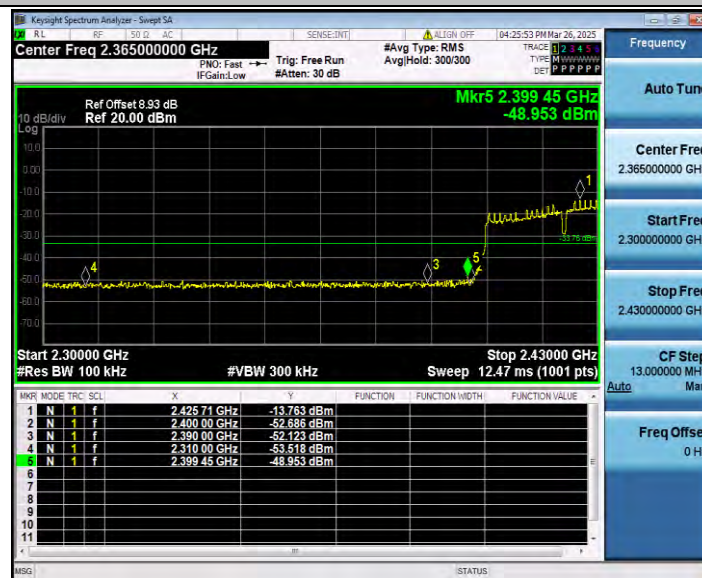
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

