

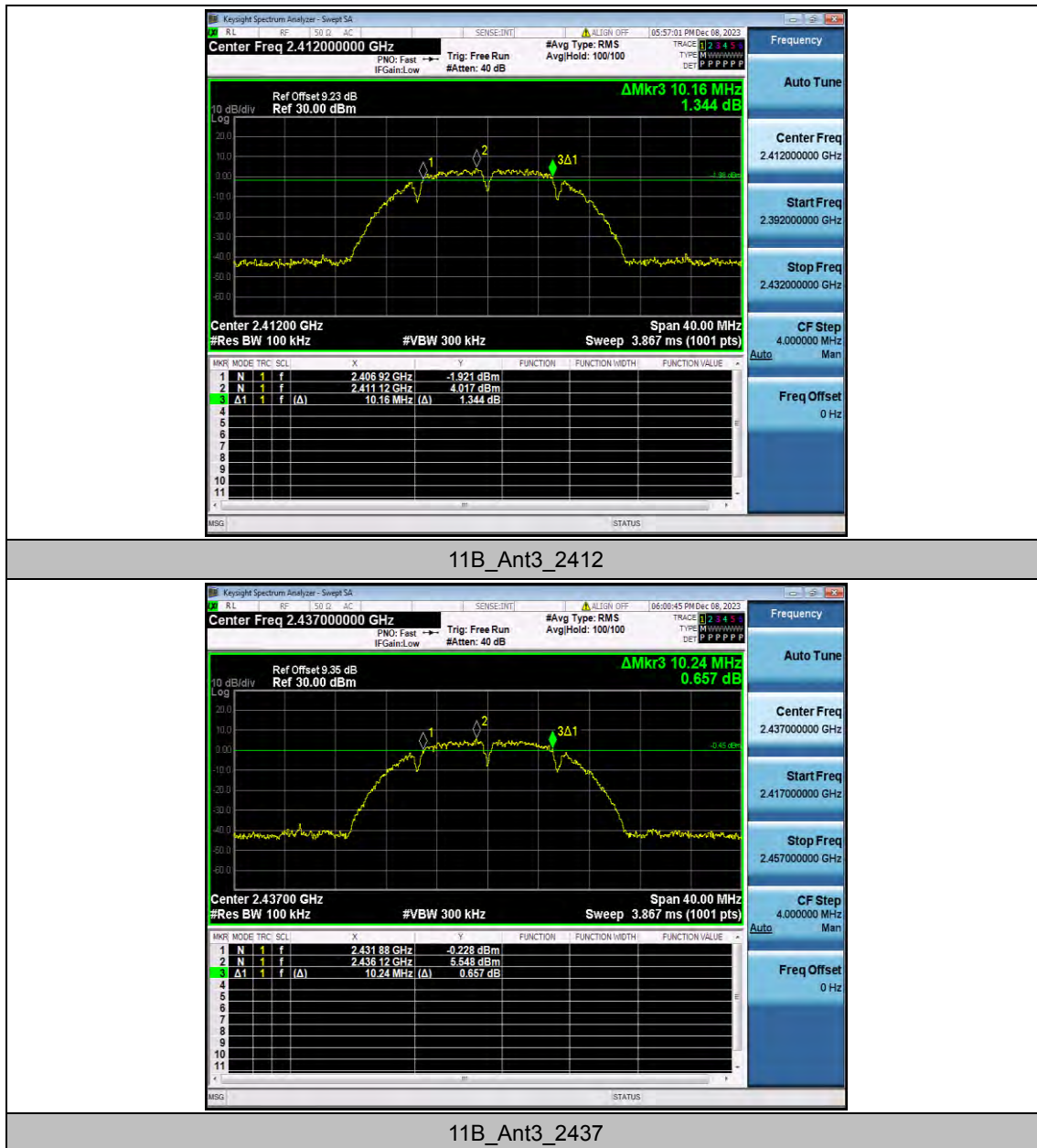
Case No. : <u>GTS20231012003-1-10</u>	
Ambient Condition: <u>24</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.8</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

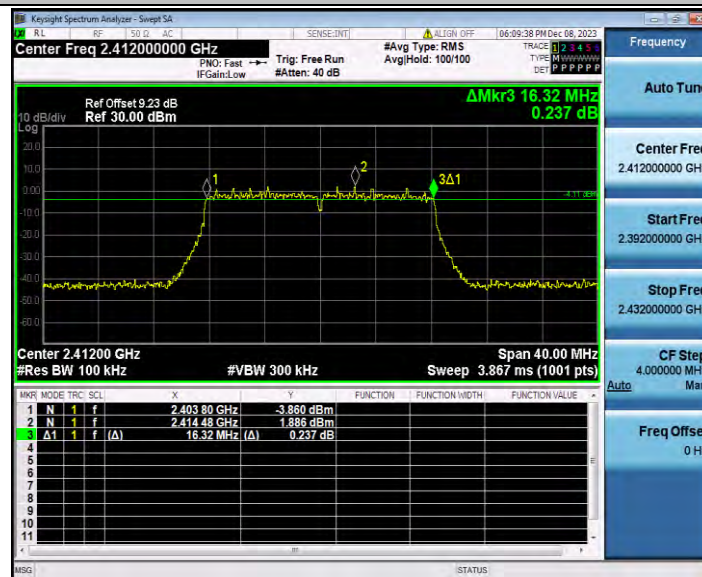
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant3	2412	10.160	2406.920	2417.080	0.5	PASS
		2437	10.240	2431.880	2442.120	0.5	PASS
		2462	10.280	2456.880	2467.160	0.5	PASS
11G	Ant3	2412	16.320	2403.800	2420.120	0.5	PASS
		2437	16.280	2428.840	2445.120	0.5	PASS
		2462	16.320	2453.800	2470.120	0.5	PASS
11N20SISO	Ant3	2412	17.560	2403.200	2420.760	0.5	PASS
		2437	17.560	2428.200	2445.760	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant3	2422	36.080	2403.760	2439.840	0.5	PASS
		2437	36.160	2418.760	2454.920	0.5	PASS
		2452	36.080	2433.840	2469.920	0.5	PASS

Test Graphs

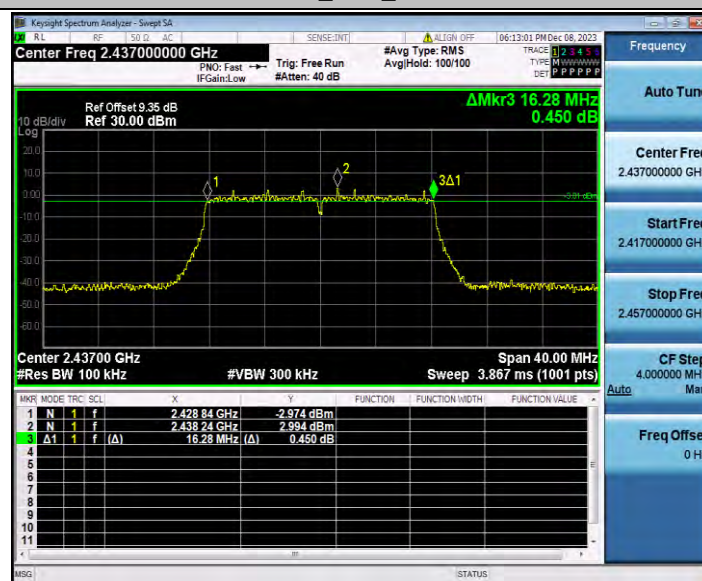




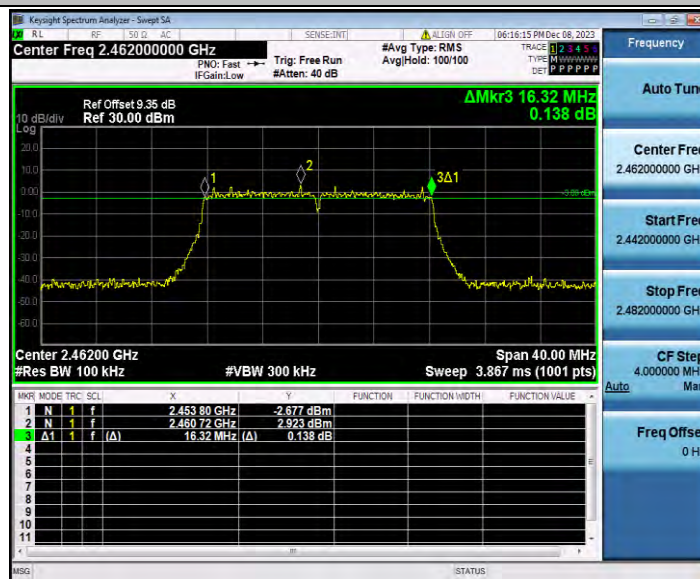
11B_Ant3_2462



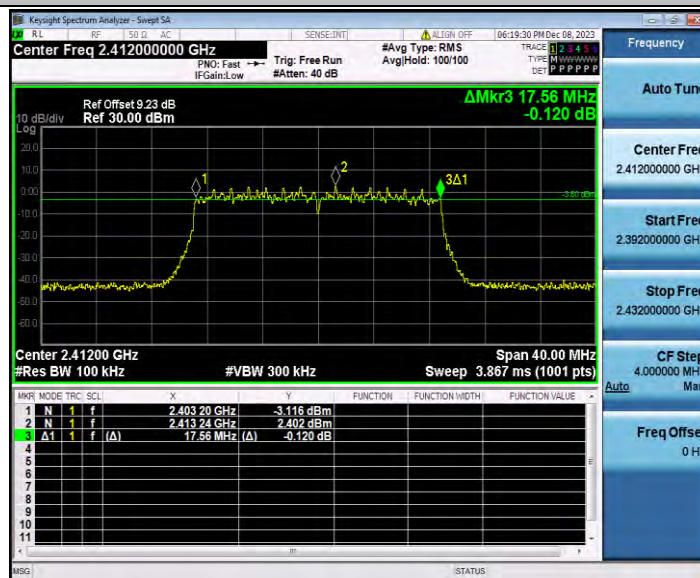
11G_Ant3_2412



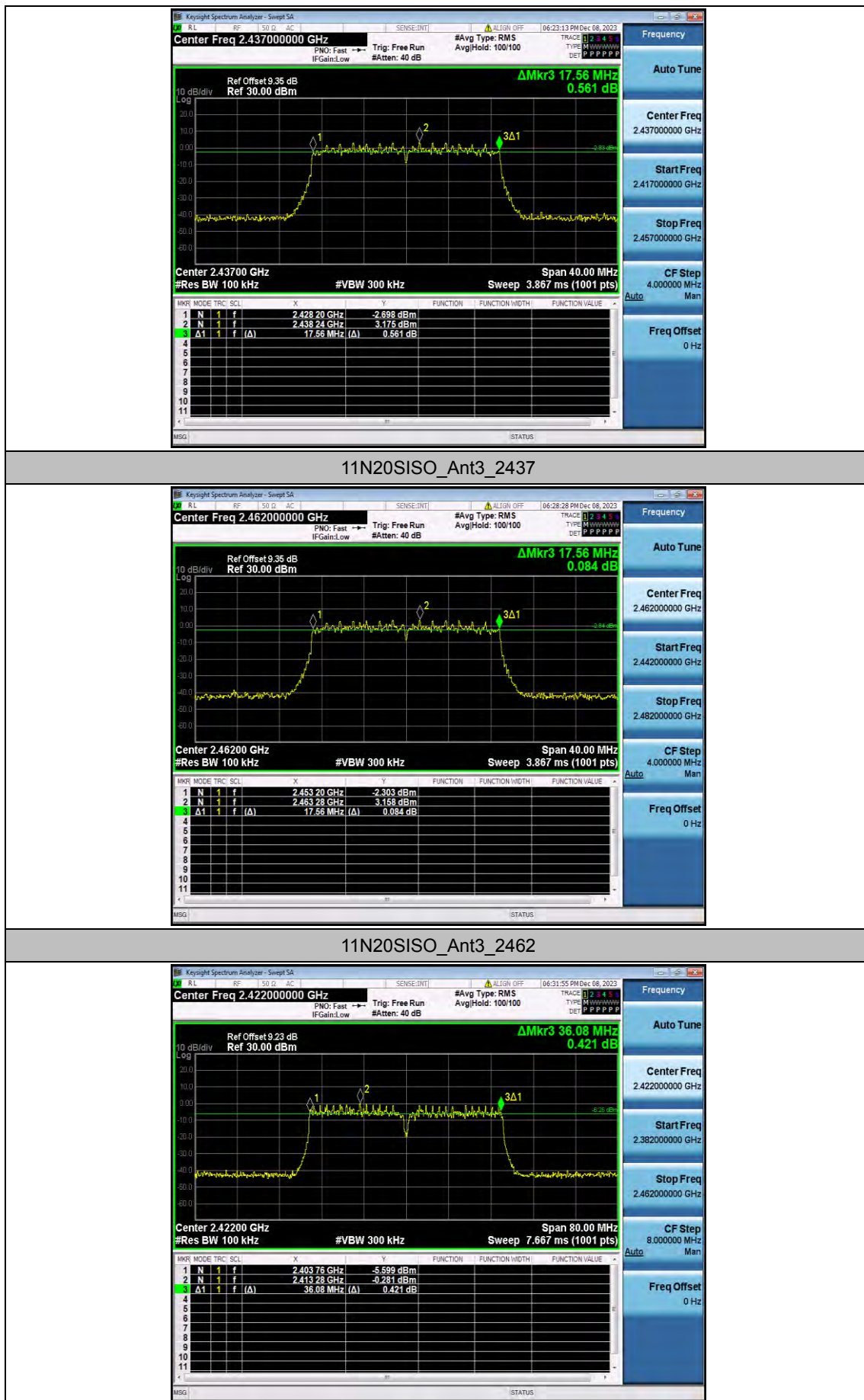
11G_Ant3_2437



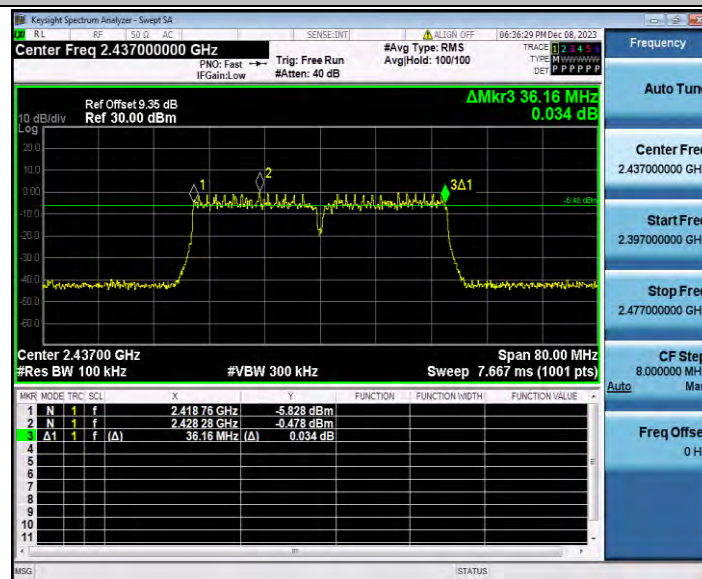
11G_Ant3_2462



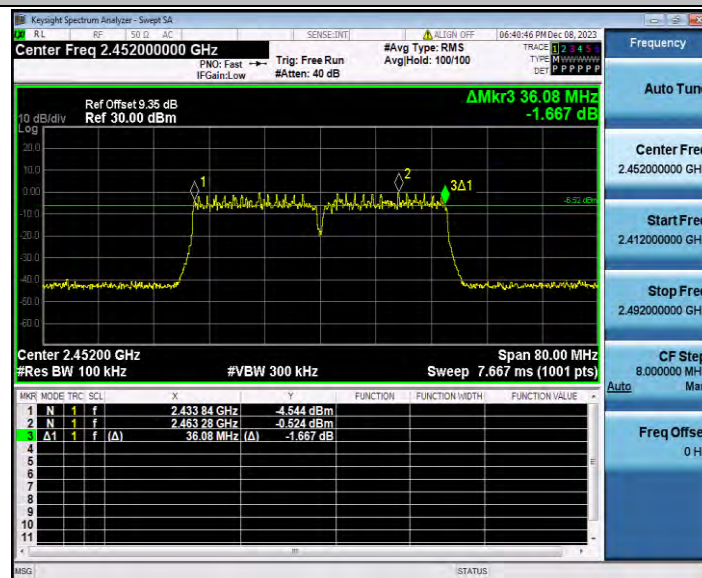
11N20SISO_Ant3_2412



11N40SISO_Ant3_2422



11N40SISO_Ant3_2437



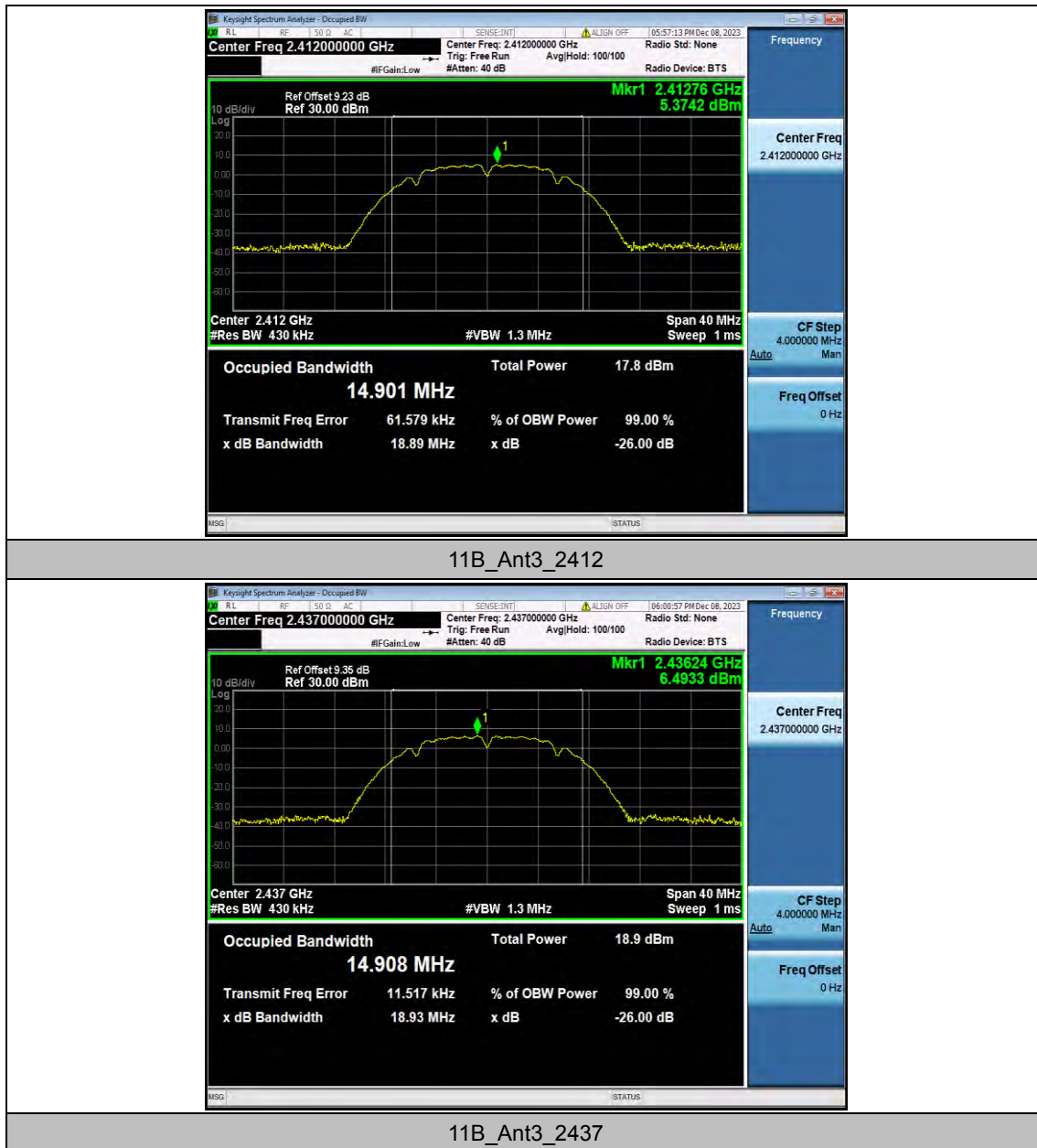
11N40SISO_Ant3_2452

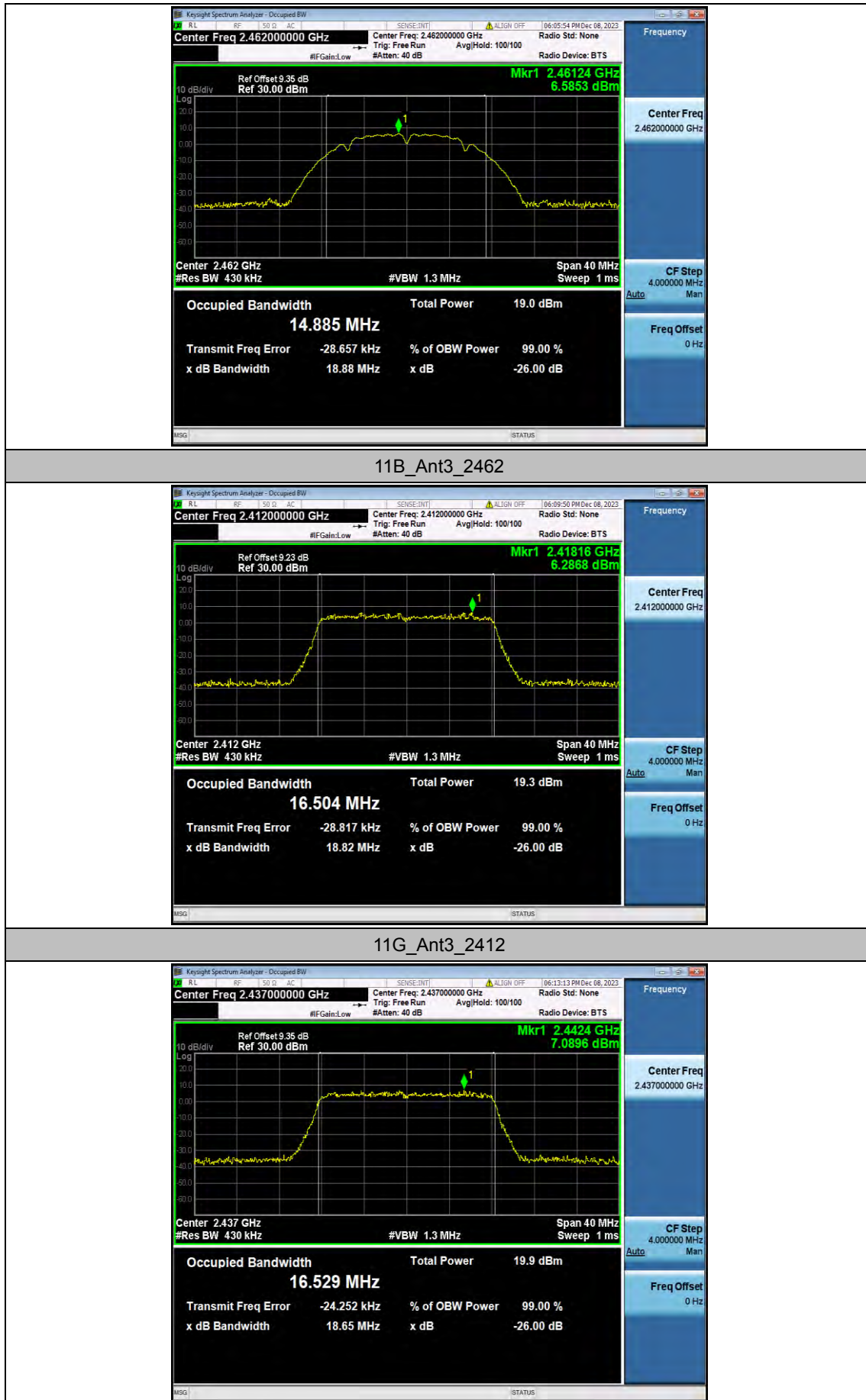
Appendix C.2: Occupied Channel Bandwidth

Test Result

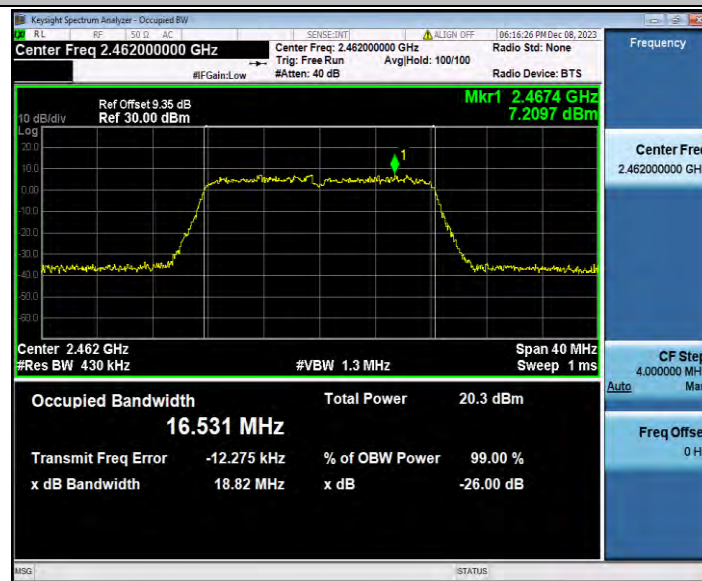
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant3	2412	14.901	2404.611	2419.512	---	---
		2437	14.908	2429.558	2444.466	---	---
		2462	14.885	2454.529	2469.414	---	---
11G	Ant3	2412	16.504	2403.719	2420.223	---	---
		2437	16.529	2428.711	2445.240	---	---
		2462	16.531	2453.722	2470.253	---	---
11N20SISO	Ant3	2412	17.665	2403.134	2420.799	---	---
		2437	17.664	2428.151	2445.815	---	---
		2462	17.653	2453.148	2470.801	---	---
11N40SISO	Ant3	2422	36.371	2403.748	2440.119	---	---
		2437	36.424	2418.764	2455.188	---	---
		2452	36.307	2433.836	2470.143	---	---

Test Graphs

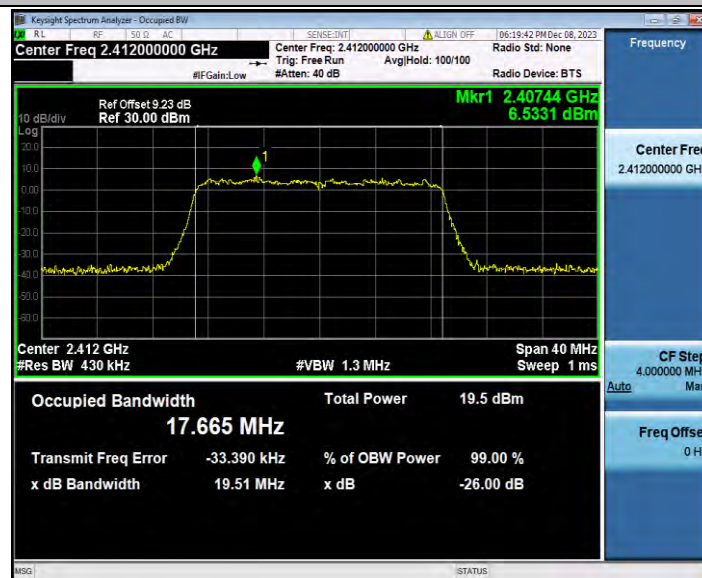




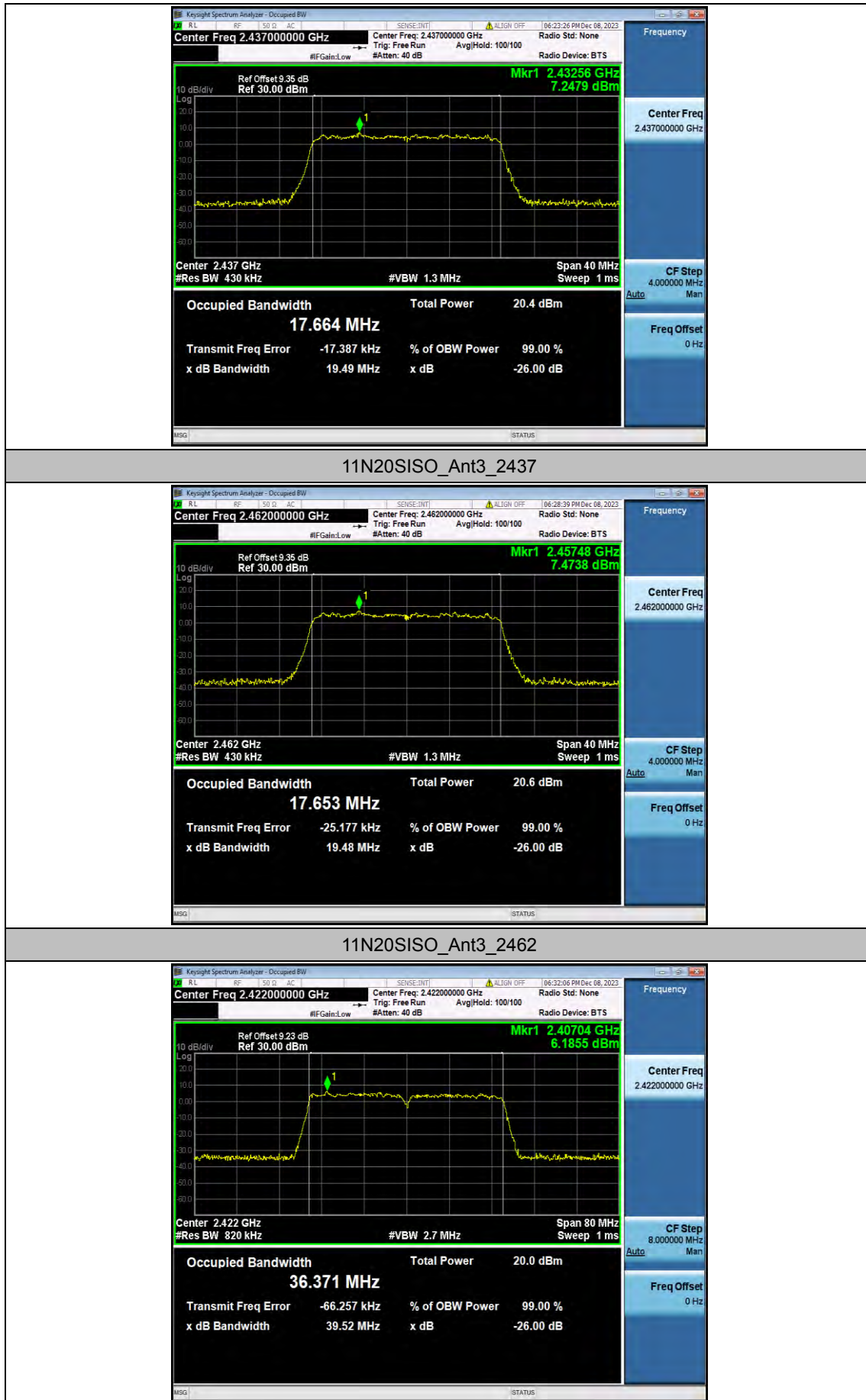
11G_Ant3_2437



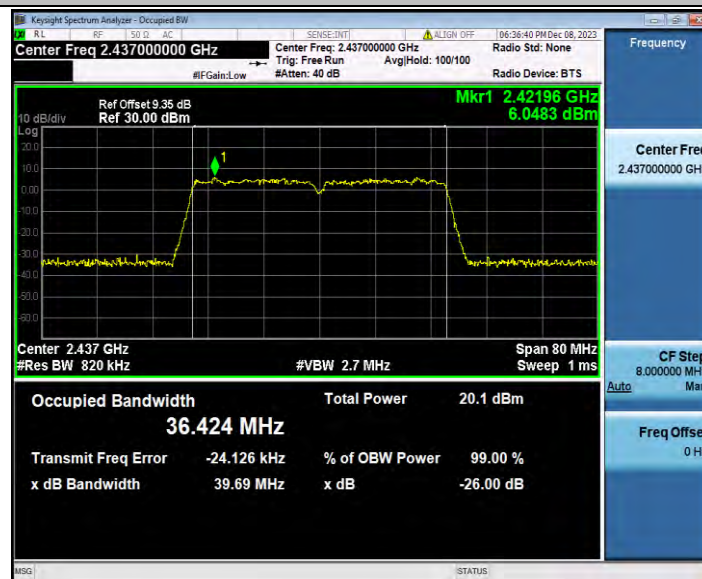
11G_Ant3_2462



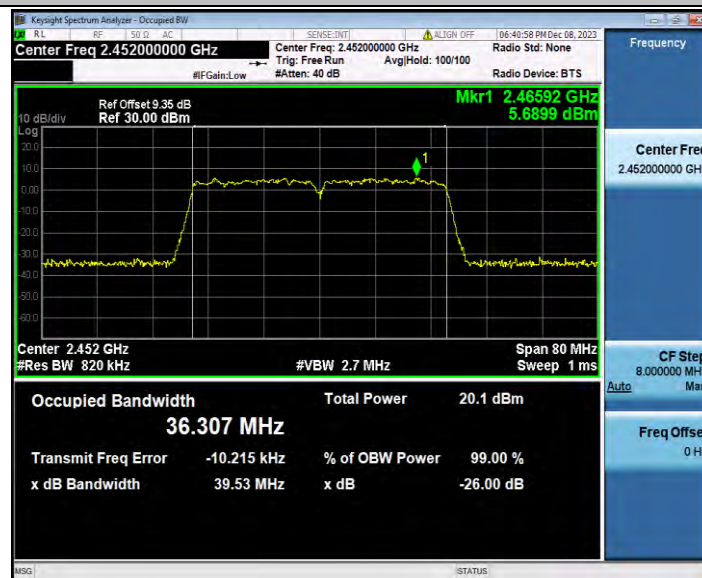
11N20SISO_Ant3_2412



11N40SISO_Ant3_2422



11N40SISO_Ant3_2437



11N40SISO_Ant3_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

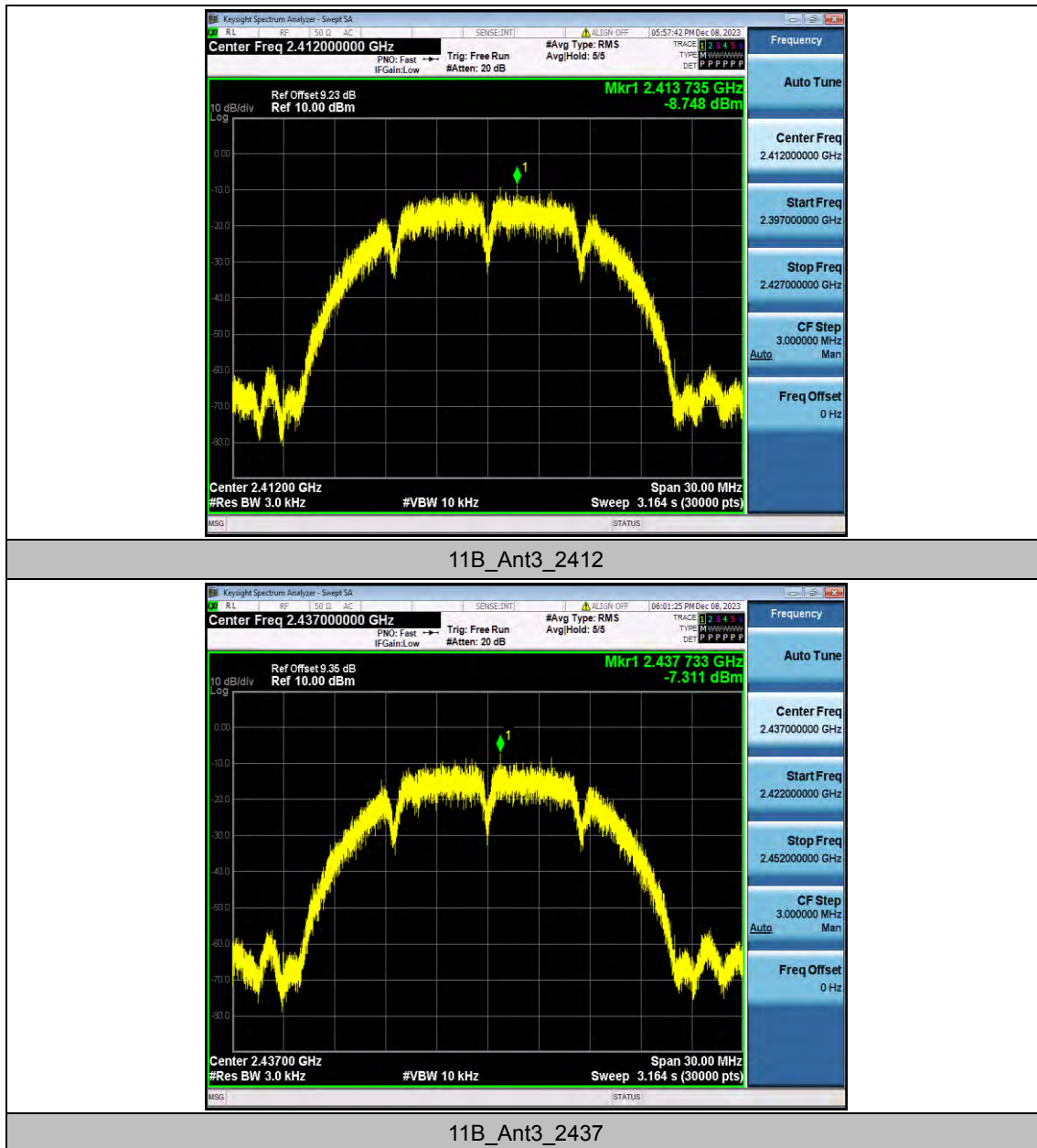
Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant3	2412	17.47	≤30.00	PASS
		2437	18.55	≤30.00	PASS
		2462	18.62	≤30.00	PASS
11G	Ant3	2412	20.19	≤30.00	PASS
		2437	20.84	≤30.00	PASS
		2462	21.18	≤30.00	PASS
11N20SISO	Ant3	2412	20.45	≤30.00	PASS
		2437	21.25	≤30.00	PASS
		2462	21.35	≤30.00	PASS
11N40SISO	Ant3	2422	20.15	≤30.00	PASS
		2437	20.29	≤30.00	PASS
		2452	20.20	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

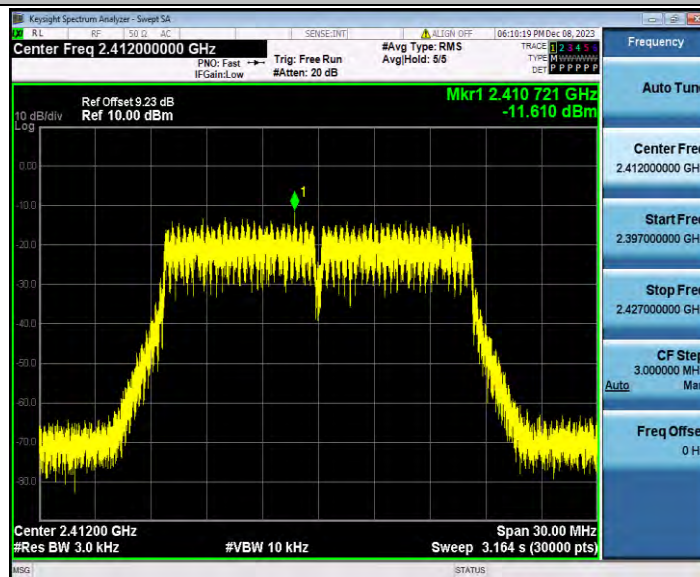
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant3	2412	-8.75	≤8.00	PASS
		2437	-7.31	≤8.00	PASS
		2462	-8.48	≤8.00	PASS
11G	Ant3	2412	-11.61	≤8.00	PASS
		2437	-11.78	≤8.00	PASS
		2462	-10.52	≤8.00	PASS
11N20SISO	Ant3	2412	-10.3	≤8.00	PASS
		2437	-9.56	≤8.00	PASS
		2462	-9.28	≤8.00	PASS
11N40SISO	Ant3	2422	-11.88	≤8.00	PASS
		2437	-11.04	≤8.00	PASS
		2452	-11.16	≤8.00	PASS

Test Graphs

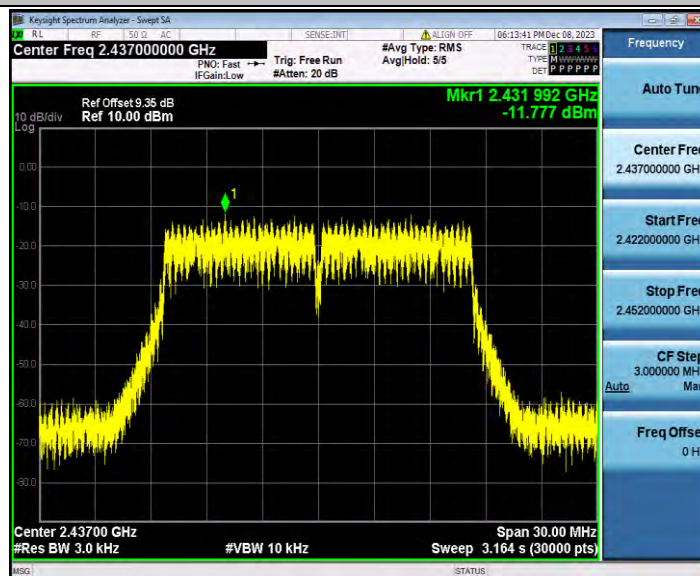




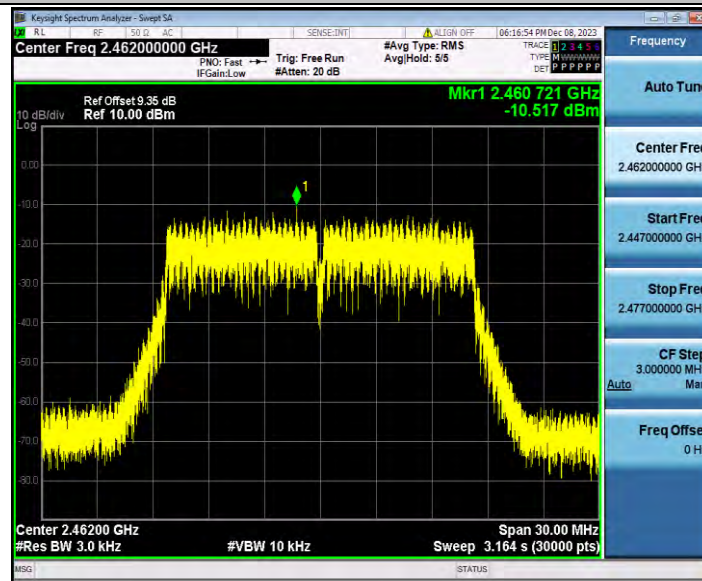
11B_Ant3_2462



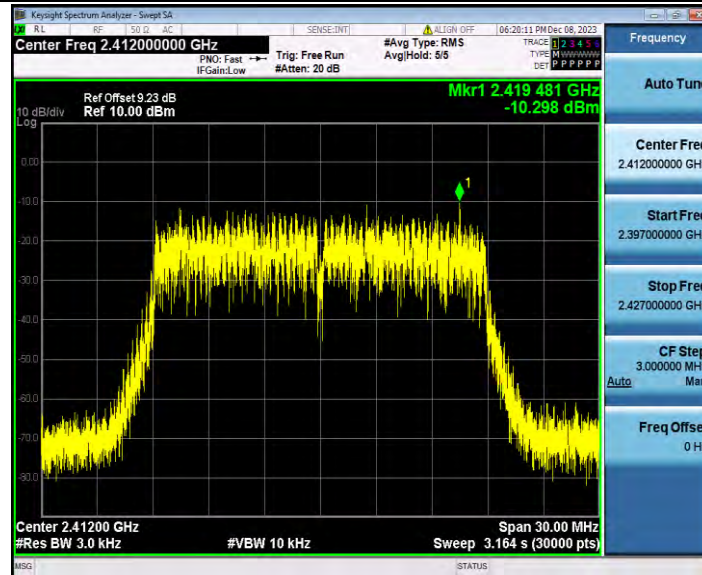
11G_Ant3_2412



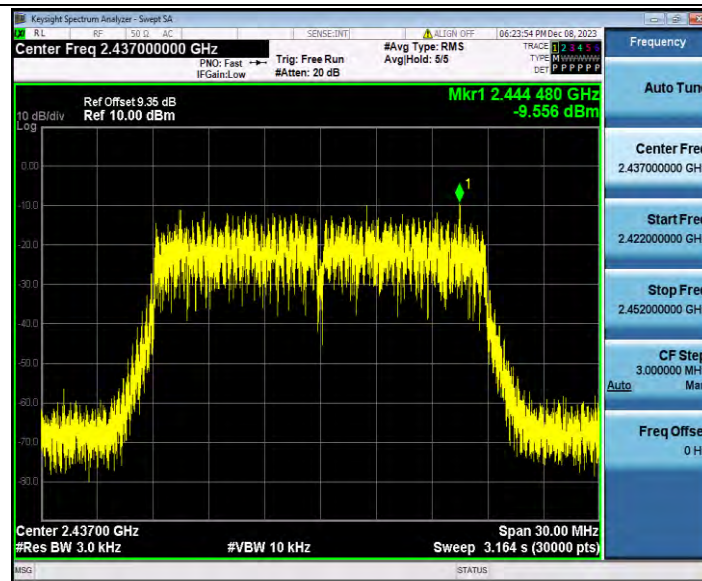
11G_Ant3_2437



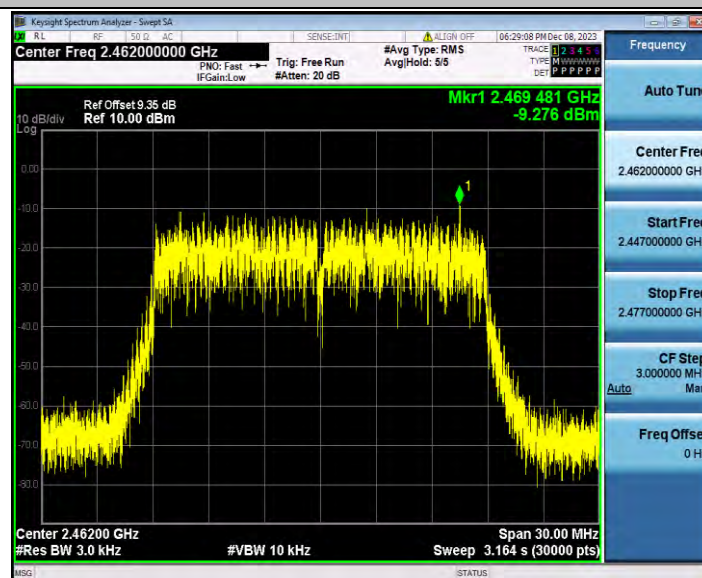
11G_Ant3_2462



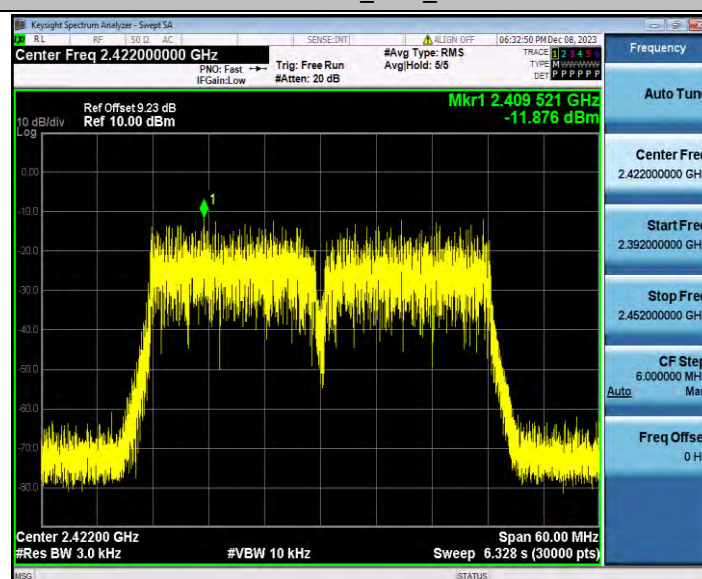
11N20SISO_Ant3_2412



11N20SISO_Ant3_2437



11N20SISO_Ant3_2462



11N40SISO_Ant3_2422



11N40SISO_Ant3_2437



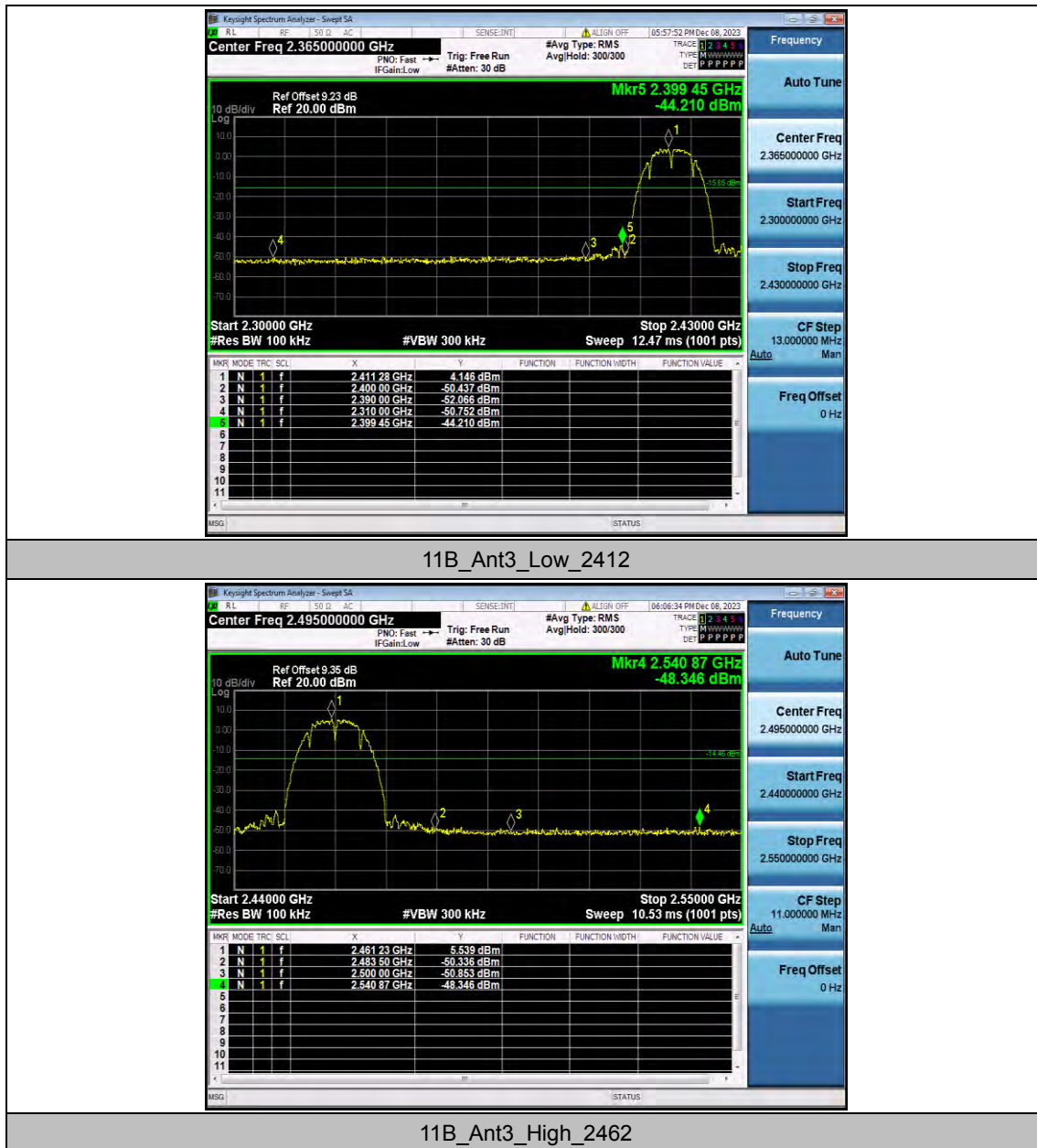
11N40SISO_Ant3_2452

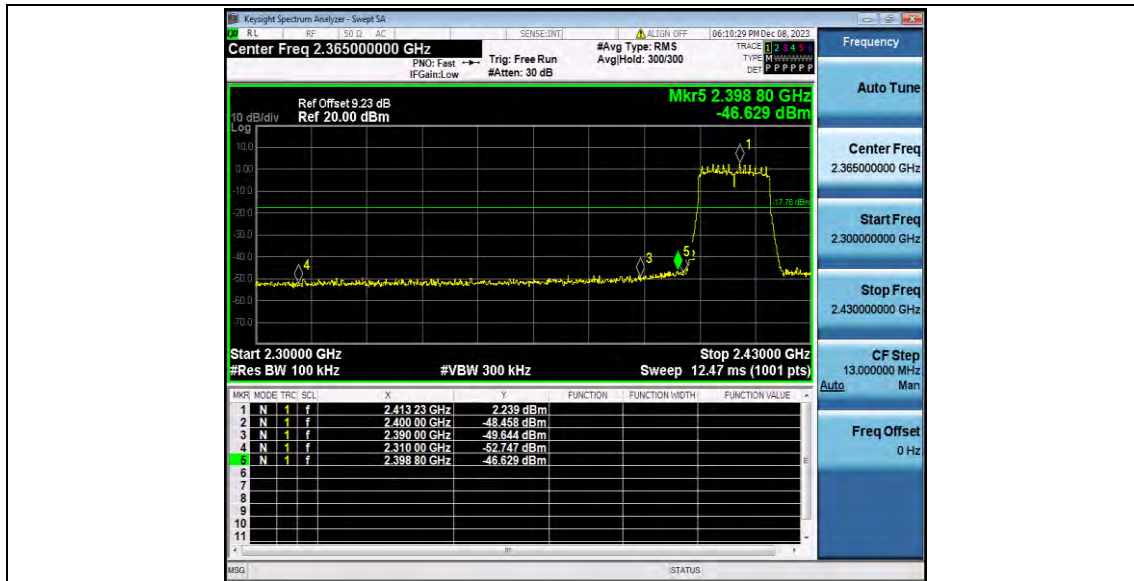
Appendix C.5: Band edge measurements

Test Result

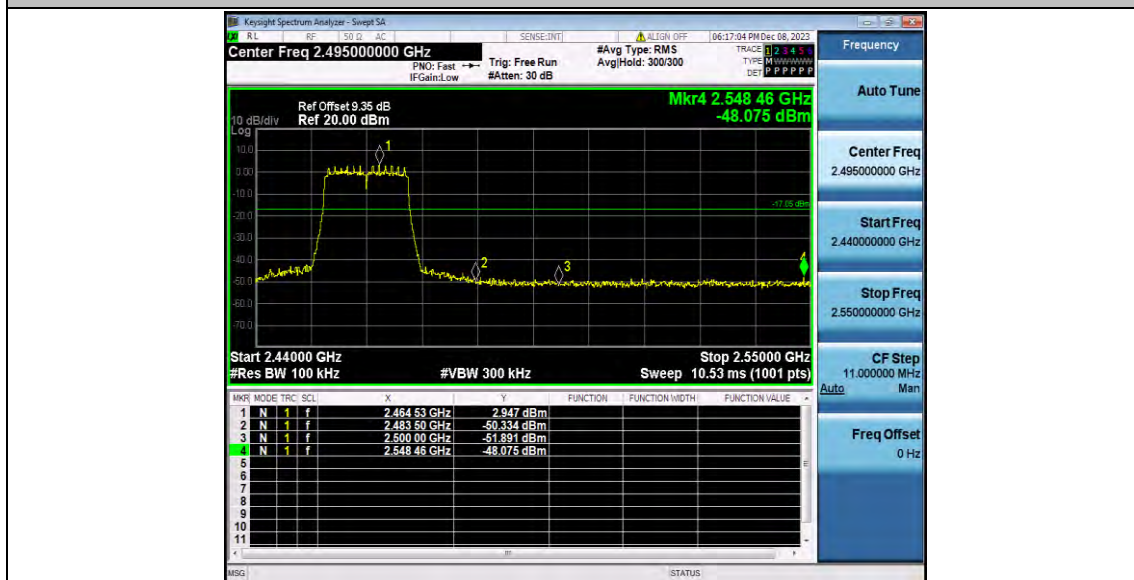
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant3	Low	2412	4.15	-44.21	≤ -15.85	PASS
		High	2462	5.54	-48.35	≤ -14.46	PASS
11G	Ant3	Low	2412	2.24	-46.63	≤ -17.76	PASS
		High	2462	2.95	-48.08	≤ -17.05	PASS
11N20SISO	Ant3	Low	2412	2.35	-45.44	≤ -17.66	PASS
		High	2462	3.45	-47.81	≤ -16.55	PASS
11N40SISO	Ant3	Low	2422	-0.39	-43.84	≤ -20.39	PASS
		High	2452	-0.49	-46.83	≤ -20.49	PASS

Test Graphs

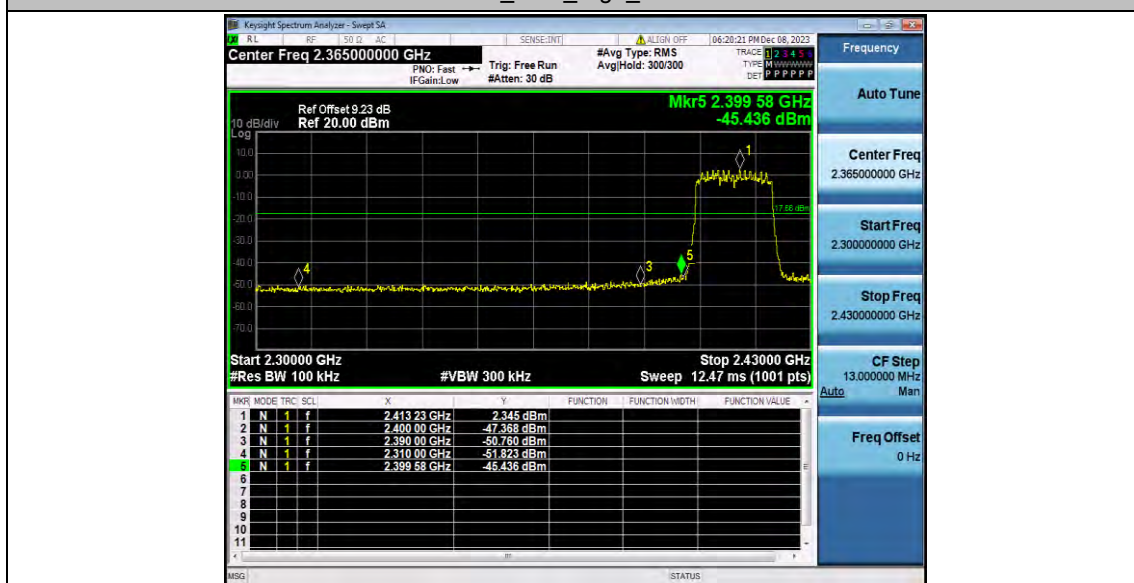




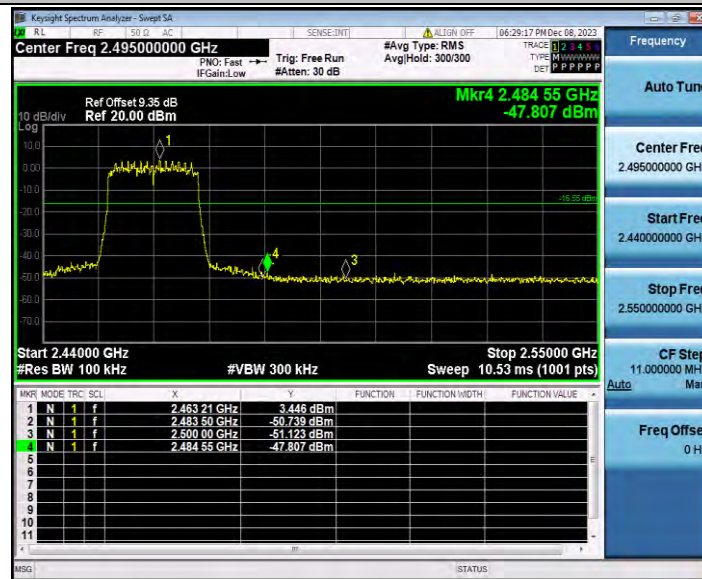
11G_Ant3_Low_2412



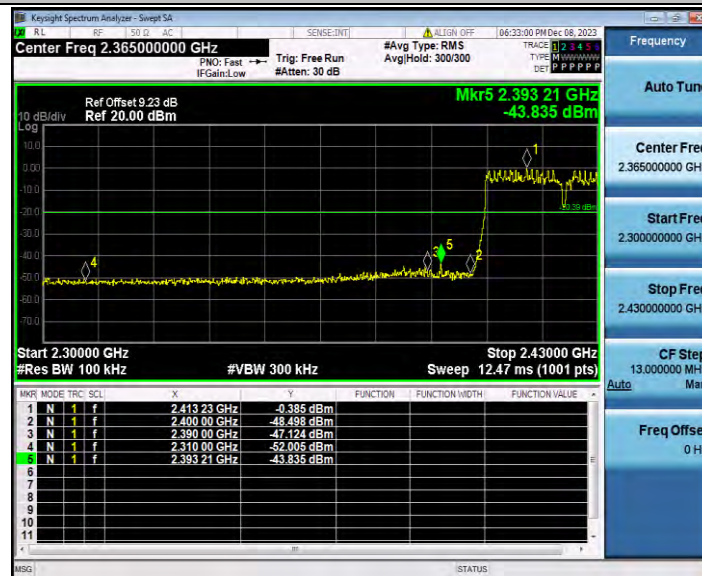
11G_Ant3_High_2462



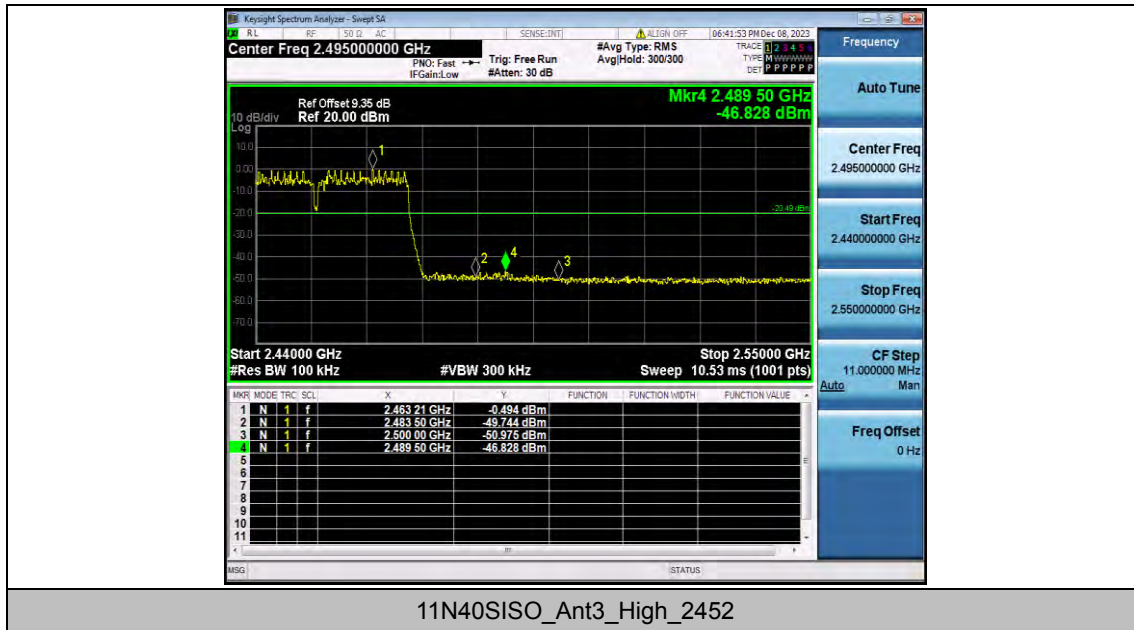
11N20SISO_Ant3_Low_2412



11N20SISO_Ant3_High_2462



11N40SISO_Ant3_Low_2422

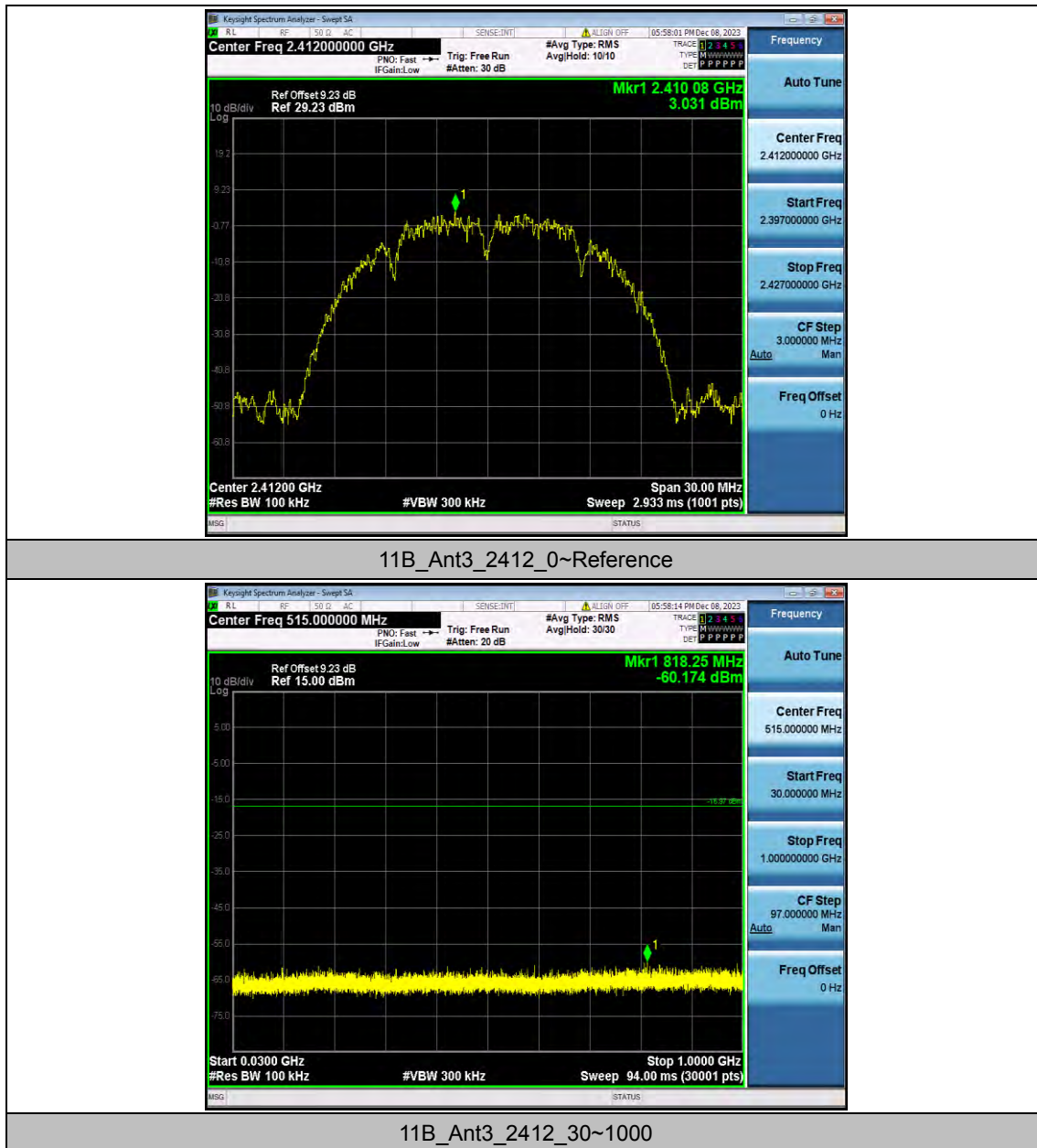


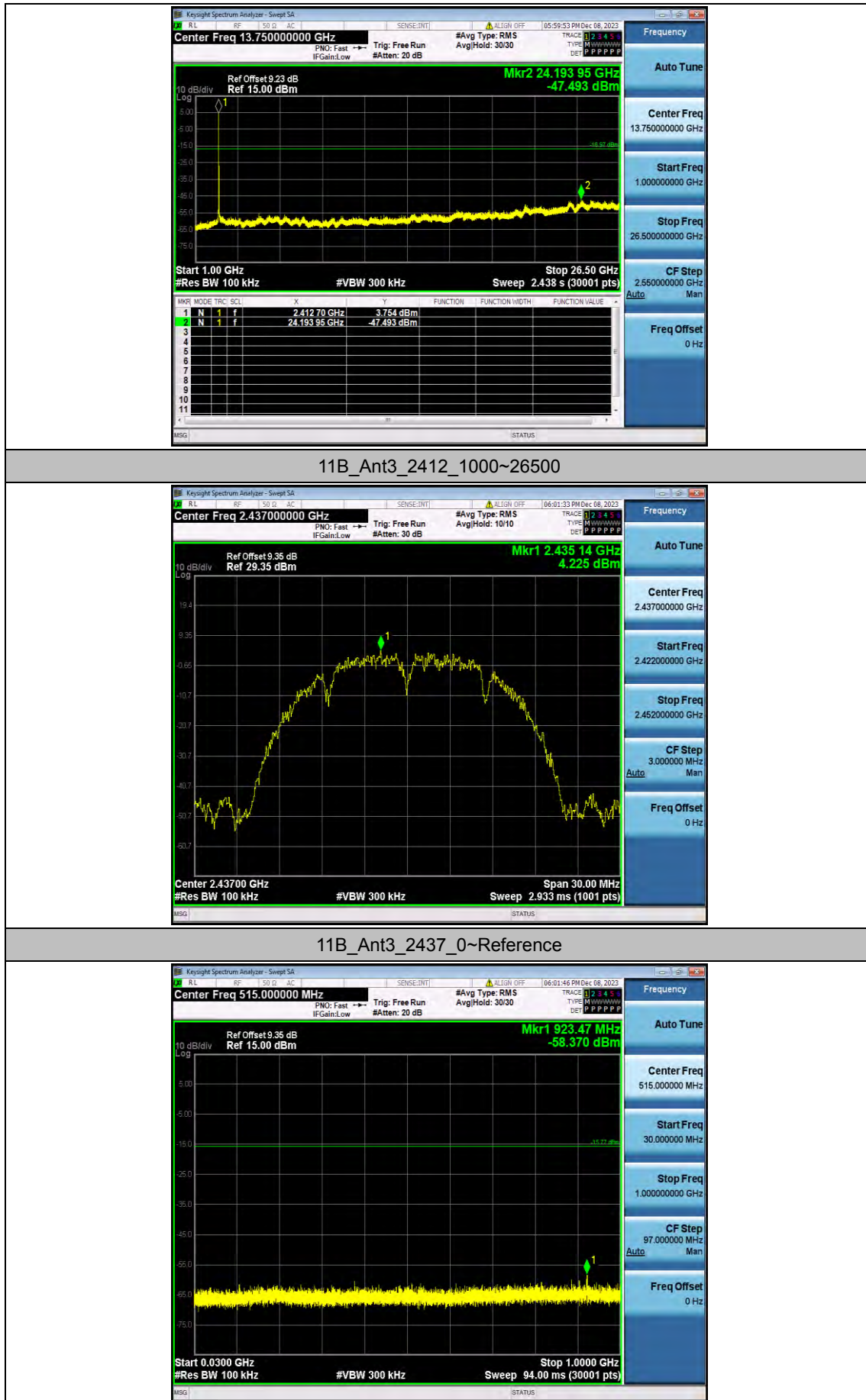
Appendix C.6: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant3	2412	Reference	3.03	3.03	---	PASS
			30~1000	3.03	-60.17	≤ -16.97	PASS
			1000~26500	3.03	-47.49	≤ -16.97	PASS
		2437	Reference	4.23	4.23	---	PASS
			30~1000	4.23	-58.37	≤ -15.77	PASS
			1000~26500	4.23	-47.14	≤ -15.77	PASS
		2462	Reference	4.53	4.53	---	PASS
			30~1000	4.53	-60.3	≤ -15.47	PASS
			1000~26500	4.53	-47.65	≤ -15.47	PASS
11G	Ant3	2412	Reference	-0.76	-0.76	---	PASS
			30~1000	-0.76	-60.56	≤ -20.76	PASS
			1000~26500	-0.76	-47.41	≤ -20.76	PASS
		2437	Reference	0.18	0.18	---	PASS
			30~1000	0.18	-60.22	≤ -19.82	PASS
			1000~26500	0.18	-47.45	≤ -19.82	PASS
		2462	Reference	0.41	0.41	---	PASS
			30~1000	0.41	-60.07	≤ -19.59	PASS
			1000~26500	0.41	-47.55	≤ -19.59	PASS
11N20SISO	Ant3	2412	Reference	2.35	2.35	---	PASS
			30~1000	2.35	-58.21	≤ -17.65	PASS
			1000~26500	2.35	-47.31	≤ -17.65	PASS
		2437	Reference	2.57	2.57	---	PASS
			30~1000	2.57	-59.6	≤ -17.43	PASS
			1000~26500	2.57	-47.32	≤ -17.43	PASS
		2462	Reference	2.83	2.83	---	PASS
			30~1000	2.83	-60.16	≤ -17.17	PASS
			1000~26500	2.83	-47.54	≤ -17.17	PASS
11N40SISO	Ant3	2422	Reference	-1.15	-1.15	---	PASS
			30~1000	-1.15	-60.27	≤ -21.15	PASS
			1000~26500	-1.15	-47.66	≤ -21.15	PASS
		2437	Reference	-1.20	-1.20	---	PASS
			30~1000	-1.20	-60.97	≤ -21.2	PASS
			1000~26500	-1.20	-47.67	≤ -21.2	PASS
		2452	Reference	-1.01	-1.01	---	PASS
			30~1000	-1.01	-60.55	≤ -21.01	PASS
			1000~26500	-1.01	-47.01	≤ -21.01	PASS

Test Graphs





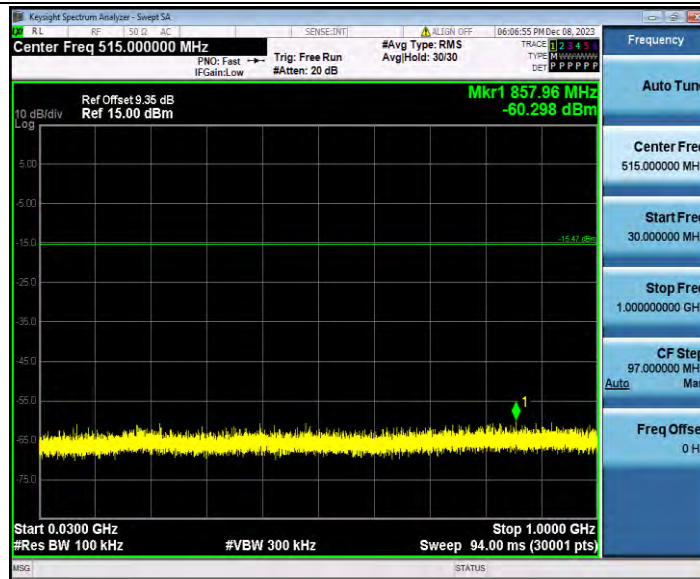
11B_Ant3_2437_30~1000



11B_Ant3_2437_1000~26500



11B_Ant3_2462_0~Reference



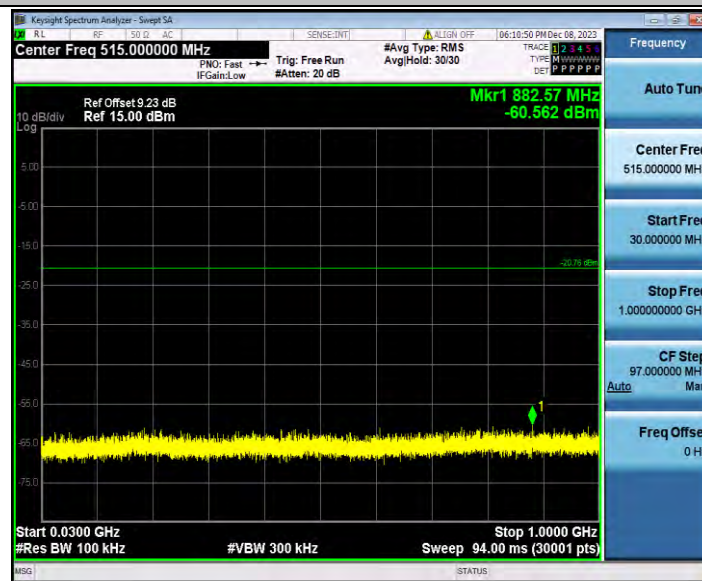
11B_Ant3_2462_30~1000



11B_Ant3_2462_1000~26500



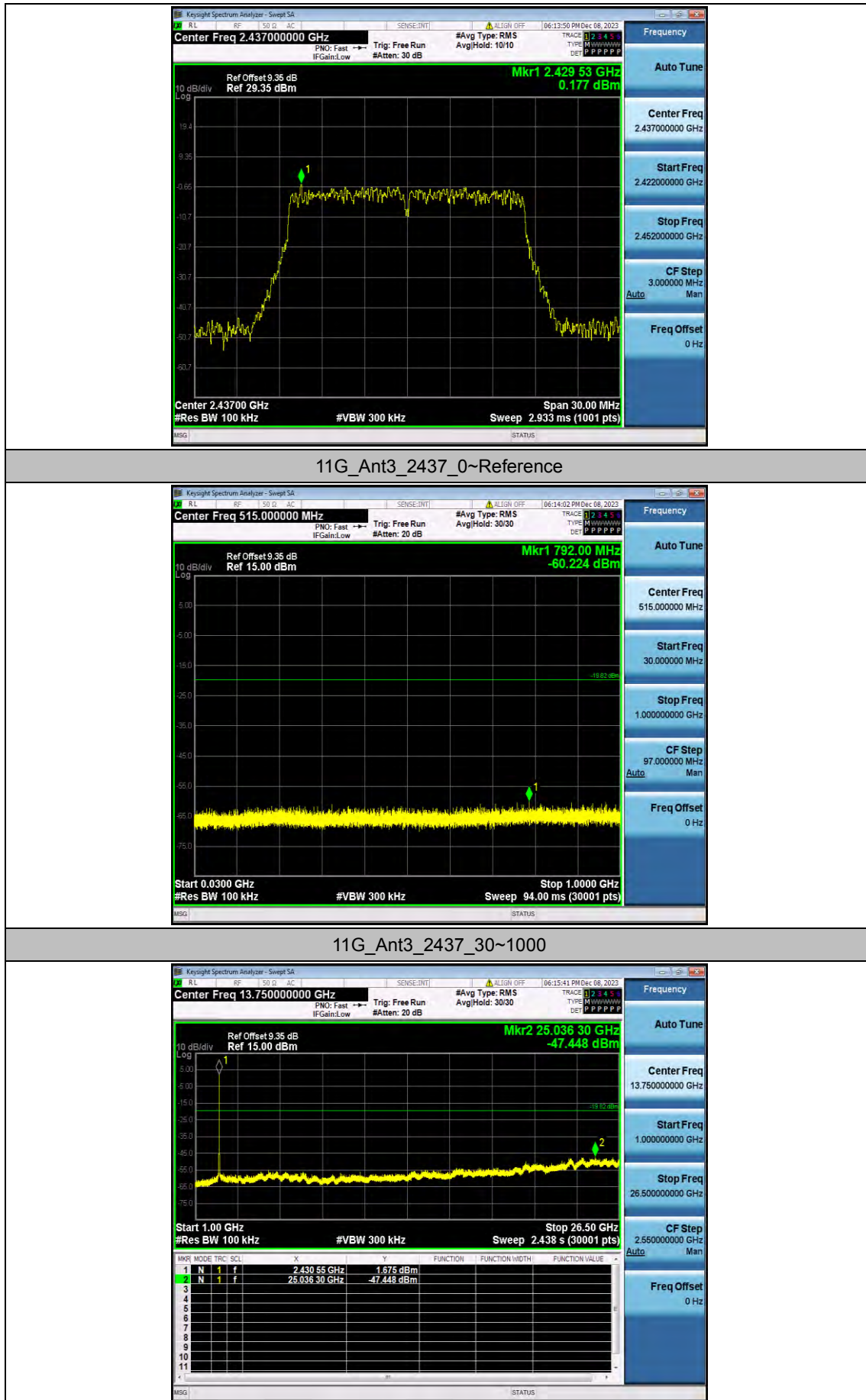
11G_Ant3_2412_0~Reference



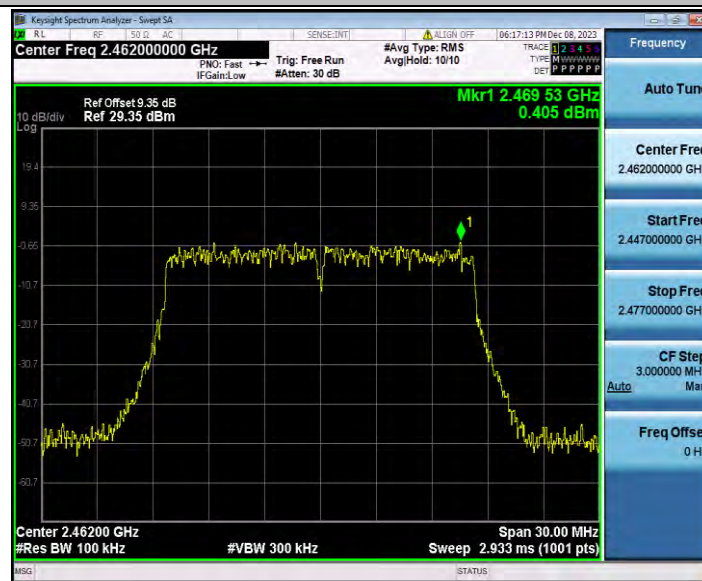
11G_Ant3_2412_30~1000



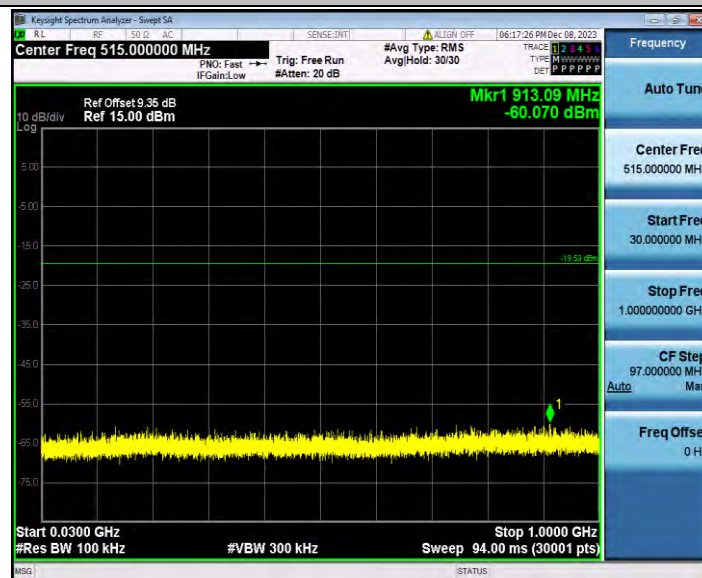
11G_Ant3_2412_1000~26500



11G_Ant3_2437_1000~26500



11G_Ant3_2462_0~Reference

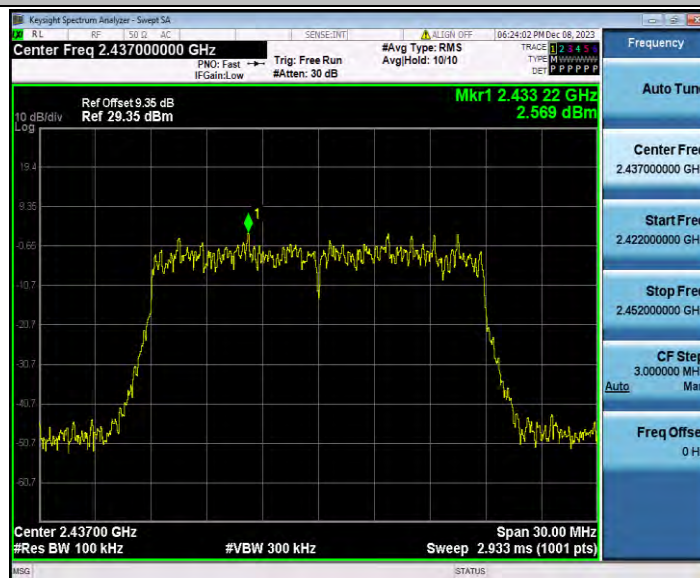


11G_Ant3_2462_30~1000

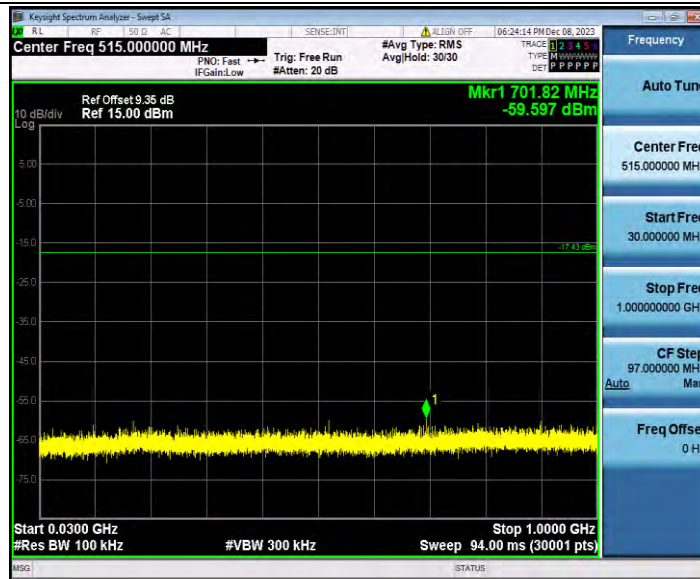
11N20SISO_Ant3_2412_30~1000



11N20SISO_Ant3_2412_1000~26500



11N20SISO_Ant3_2437_0~Reference



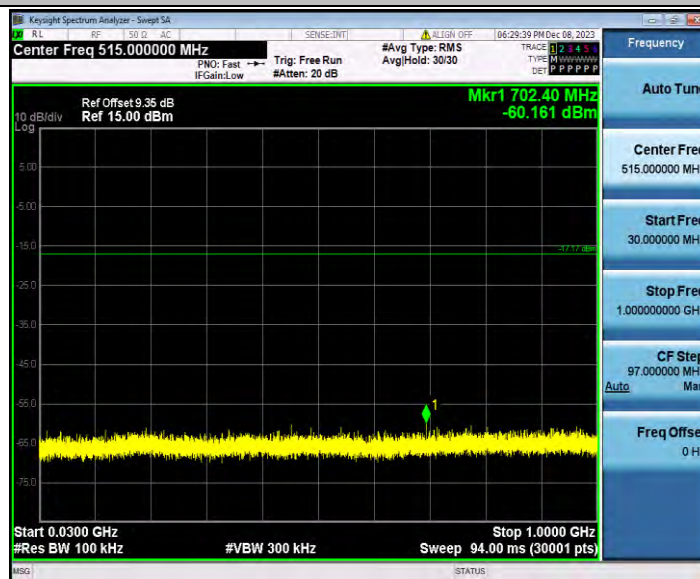
11N20SISO_Ant3_2437_30~1000



11N20SISO_Ant3_2437_1000~26500



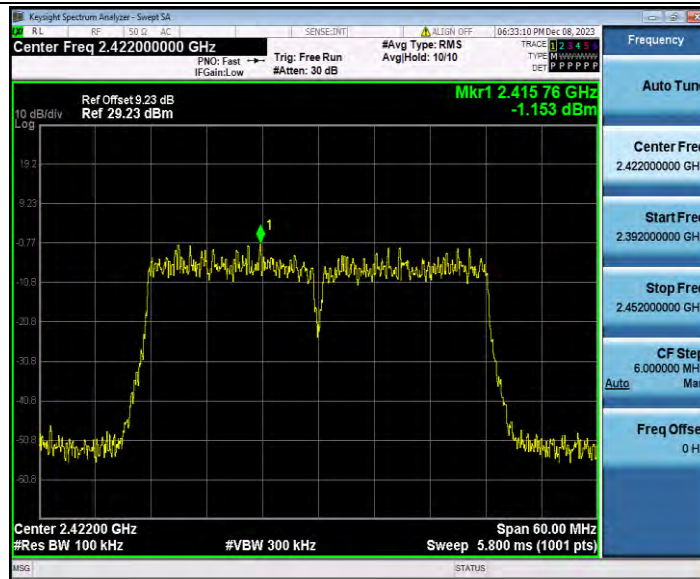
11N20SISO_Ant3_2462_0~Reference



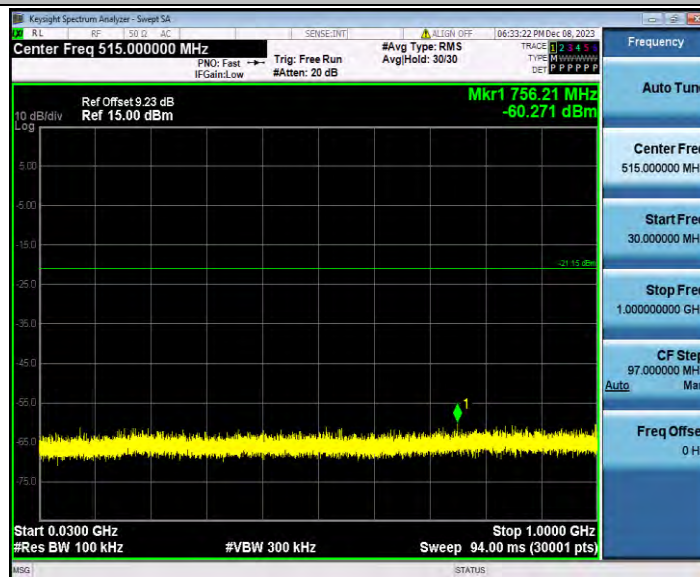
11N20SISO_Ant3_2462_30~1000



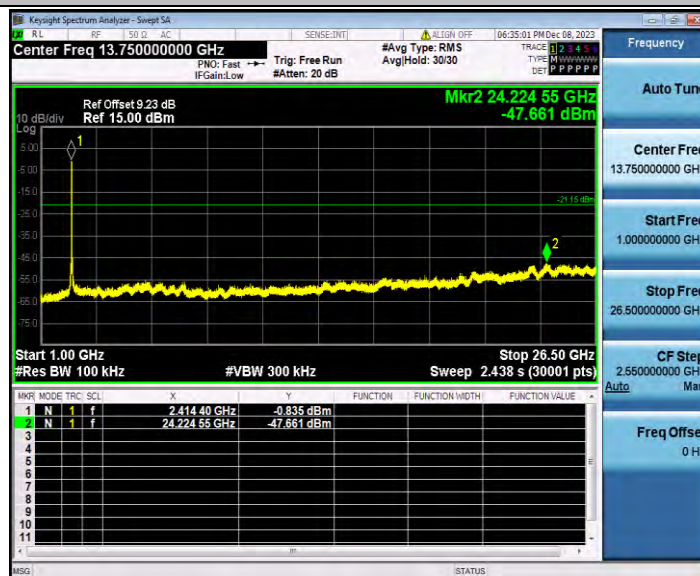
11N20SISO_Ant3_2462_1000~26500



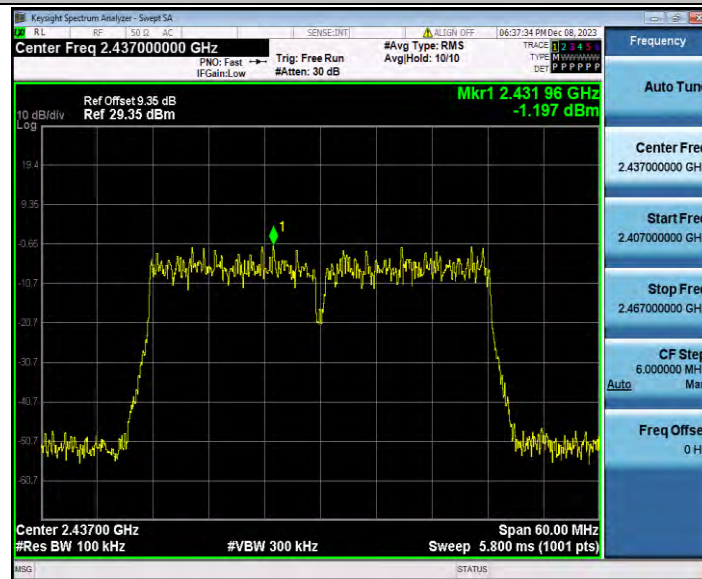
11N40SISO_Ant3_2422_0~Reference



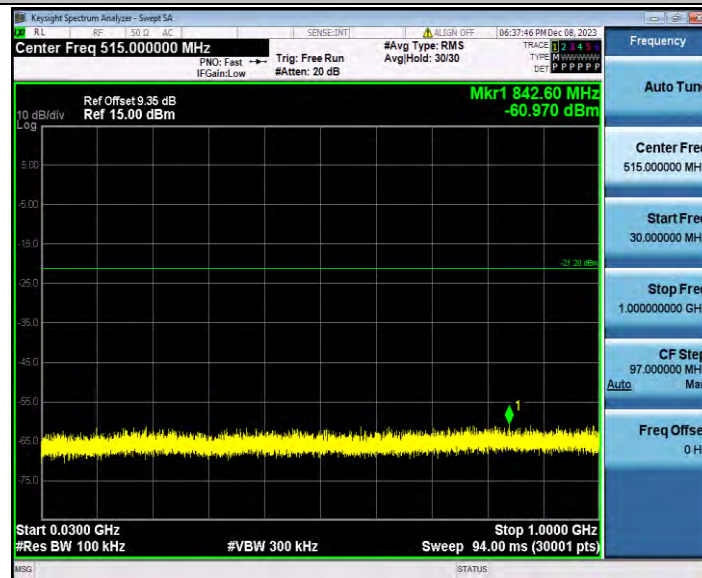
11N40SISO_Ant3_2422_30~1000



11N40SISO_Ant3_2422_1000~26500



11N40SISO_Ant3_2437_0~Reference



11N40SISO_Ant3_2437_30~1000

