

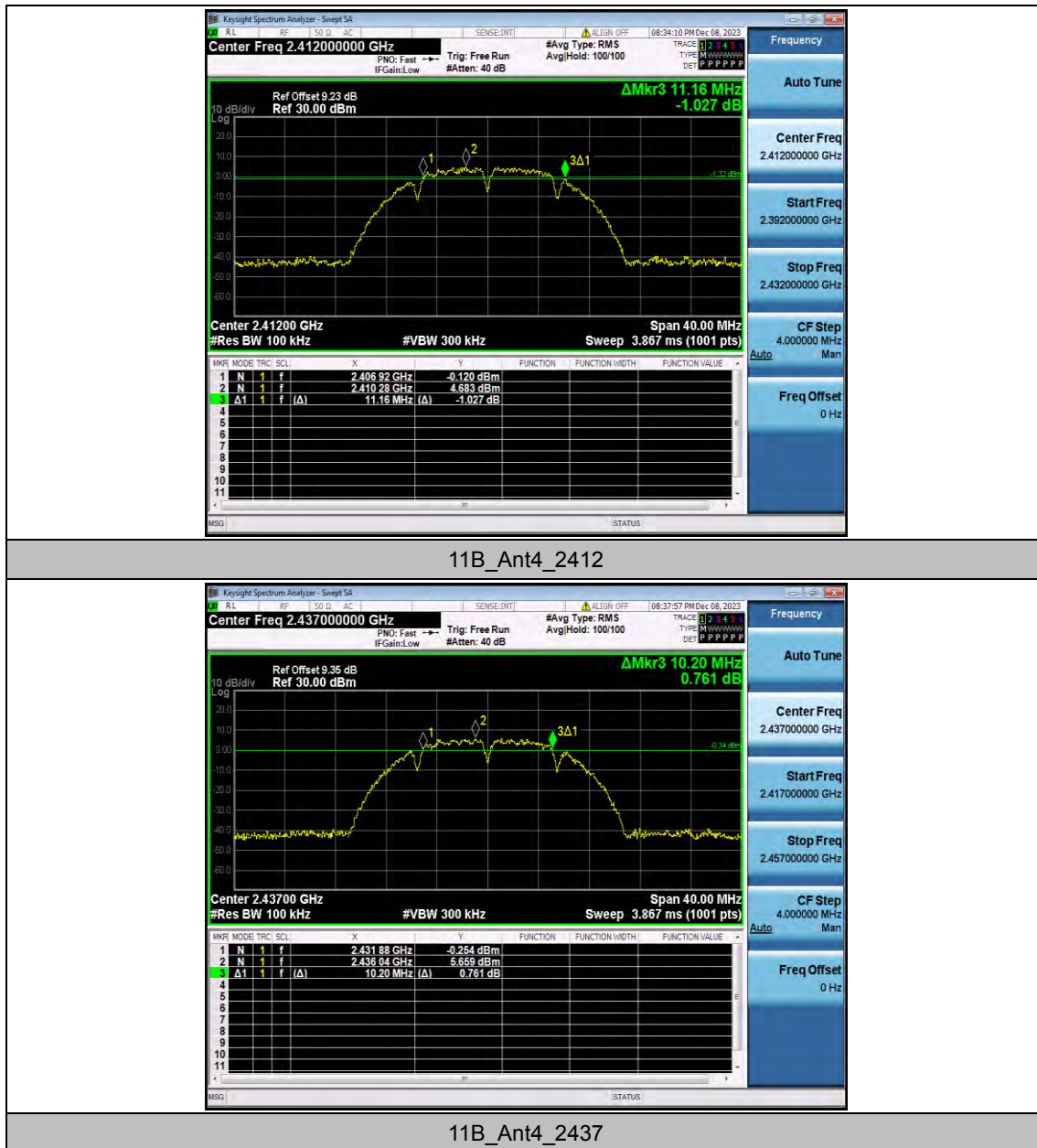
Case No. : <u>GTS20231012003-1-10</u>	
Ambient Condition: <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.8</u>	Test Engineer: <u>Evan ouyang</u>

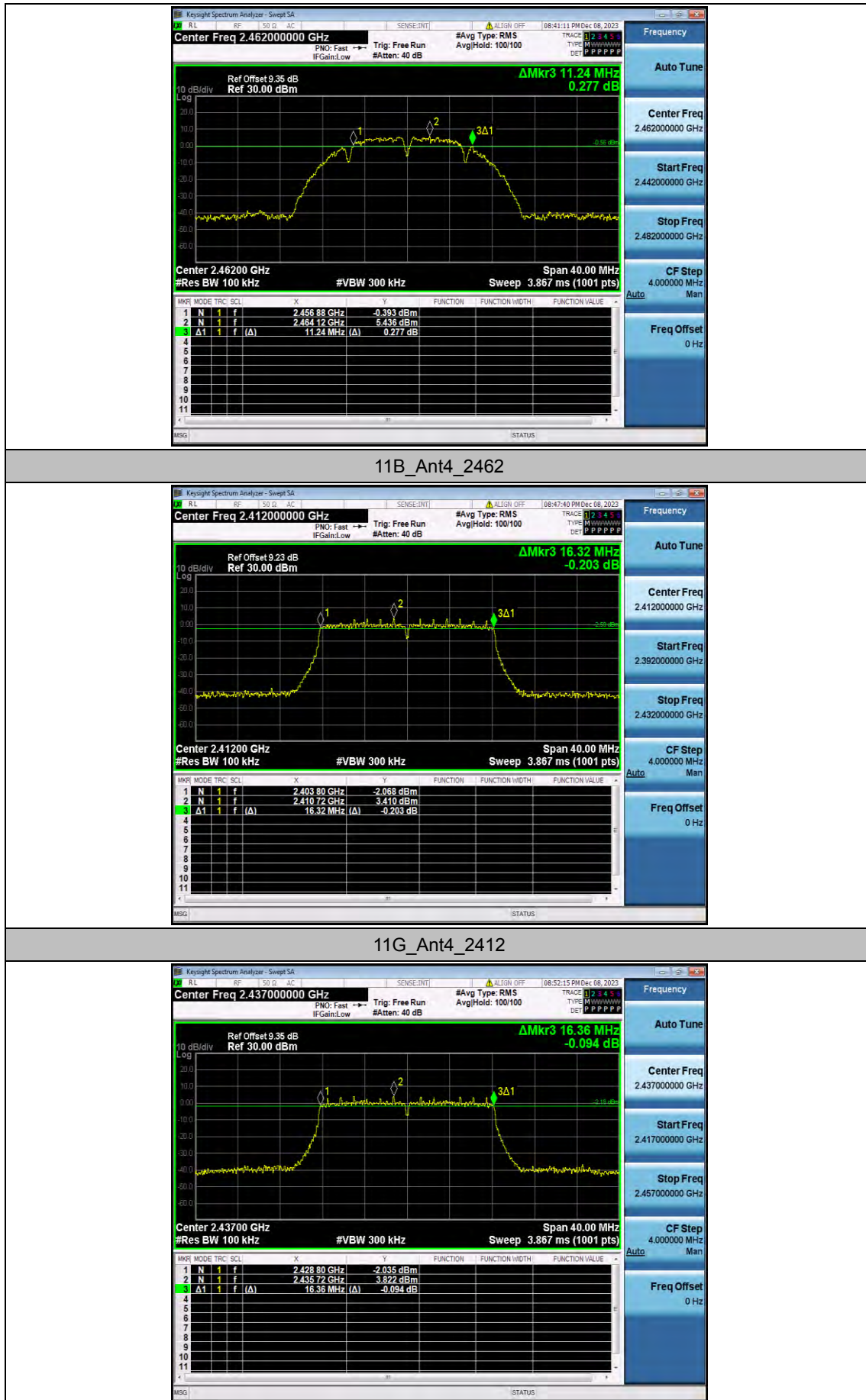
Appendix C.1: DTS Bandwidth

Test Result

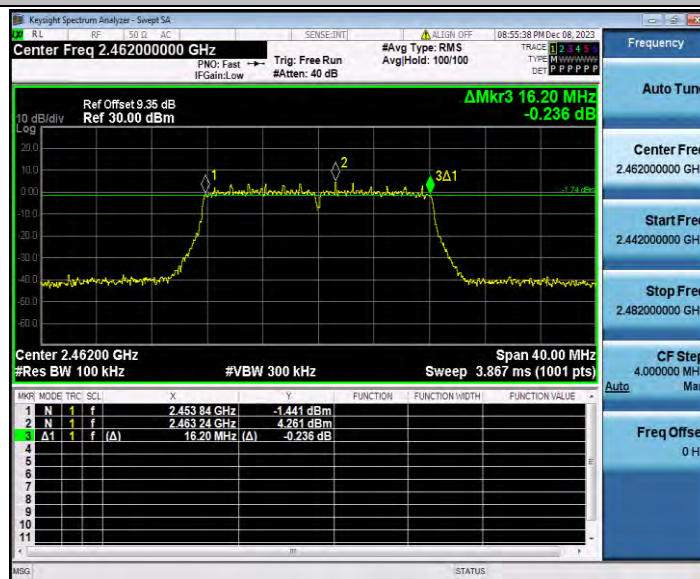
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant4	2412	11.160	2406.920	2418.080	0.5	PASS
		2437	10.200	2431.880	2442.080	0.5	PASS
		2462	11.240	2456.880	2468.120	0.5	PASS
11G	Ant4	2412	16.320	2403.800	2420.120	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.200	2453.840	2470.040	0.5	PASS
11N20SISO	Ant4	2412	17.560	2403.200	2420.760	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.560	2453.240	2470.800	0.5	PASS
11N40SISO	Ant4	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

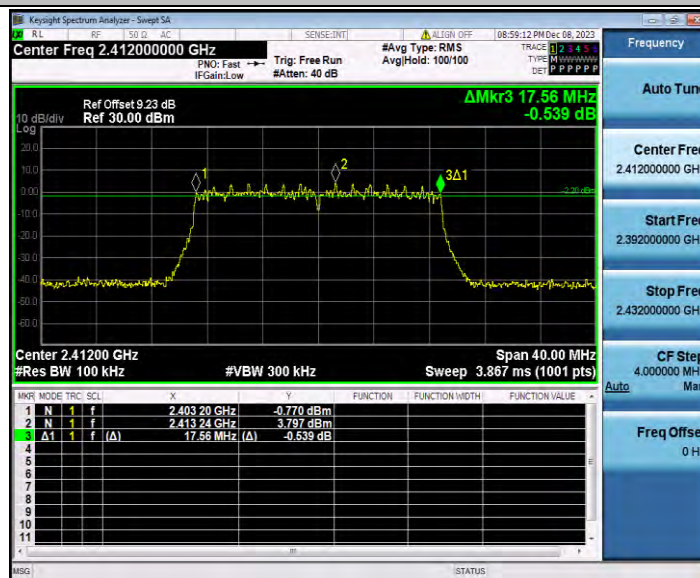




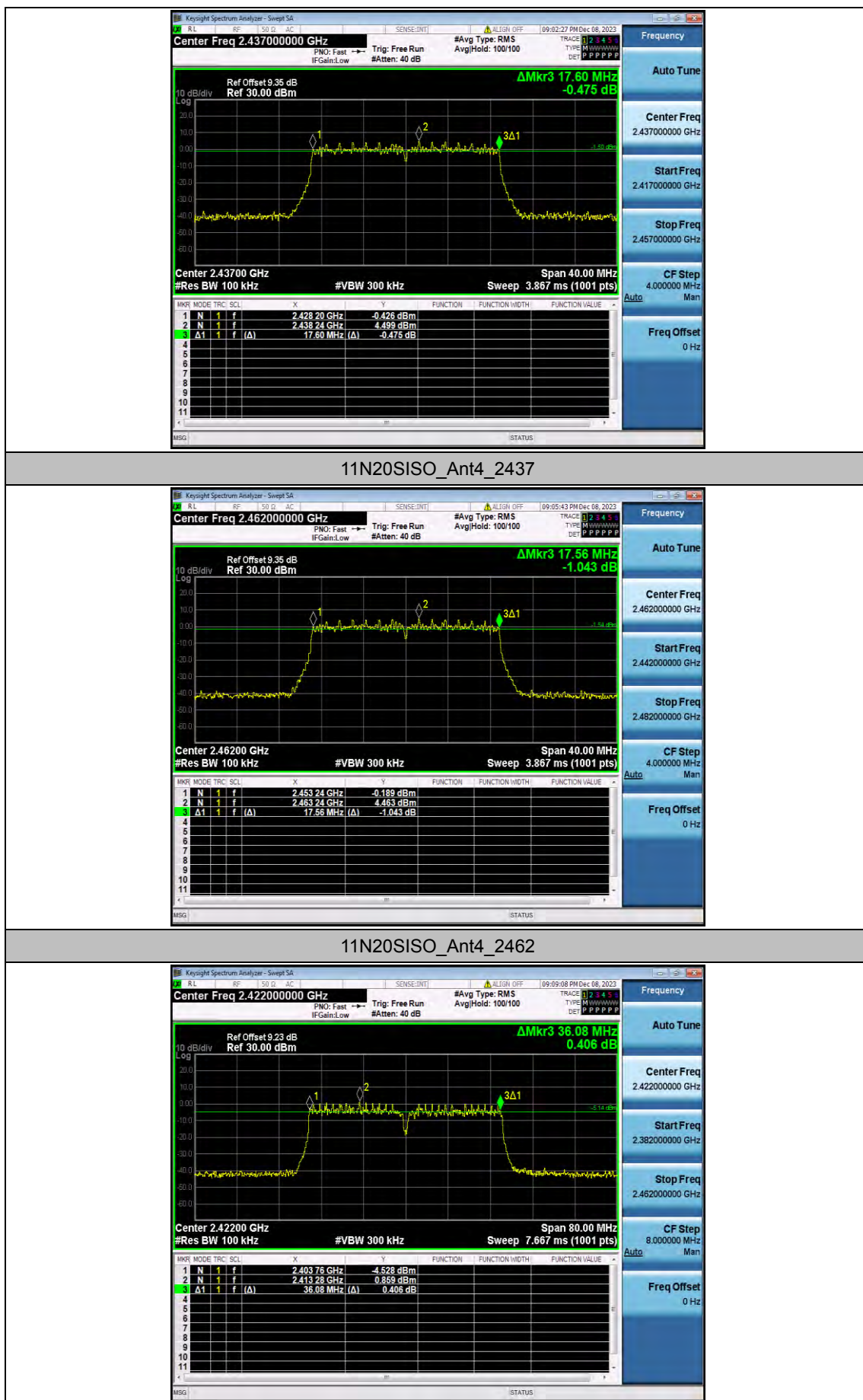
11G_Ant4_2437



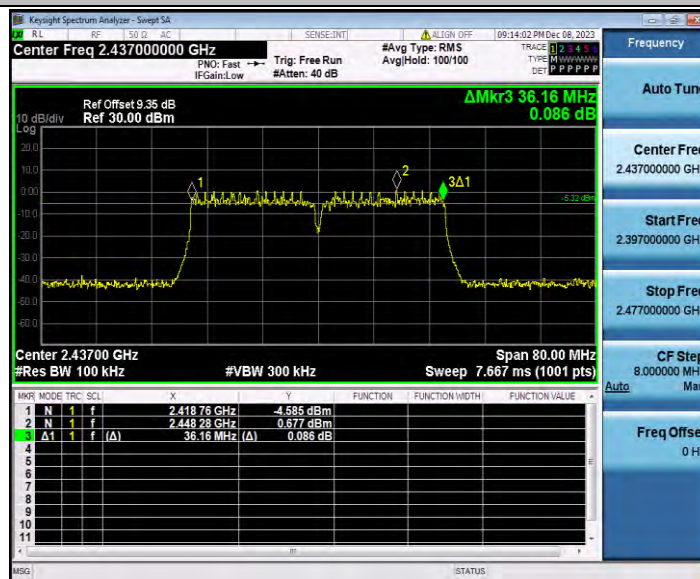
11G_Ant4_2462



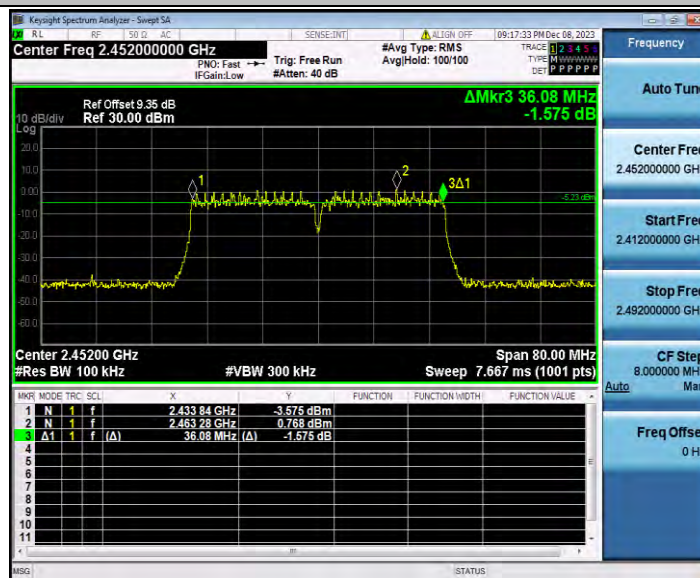
11N20SISO_Ant4_2412



11N40SISO_Ant4_2422



11N40SISO_Ant4_2437



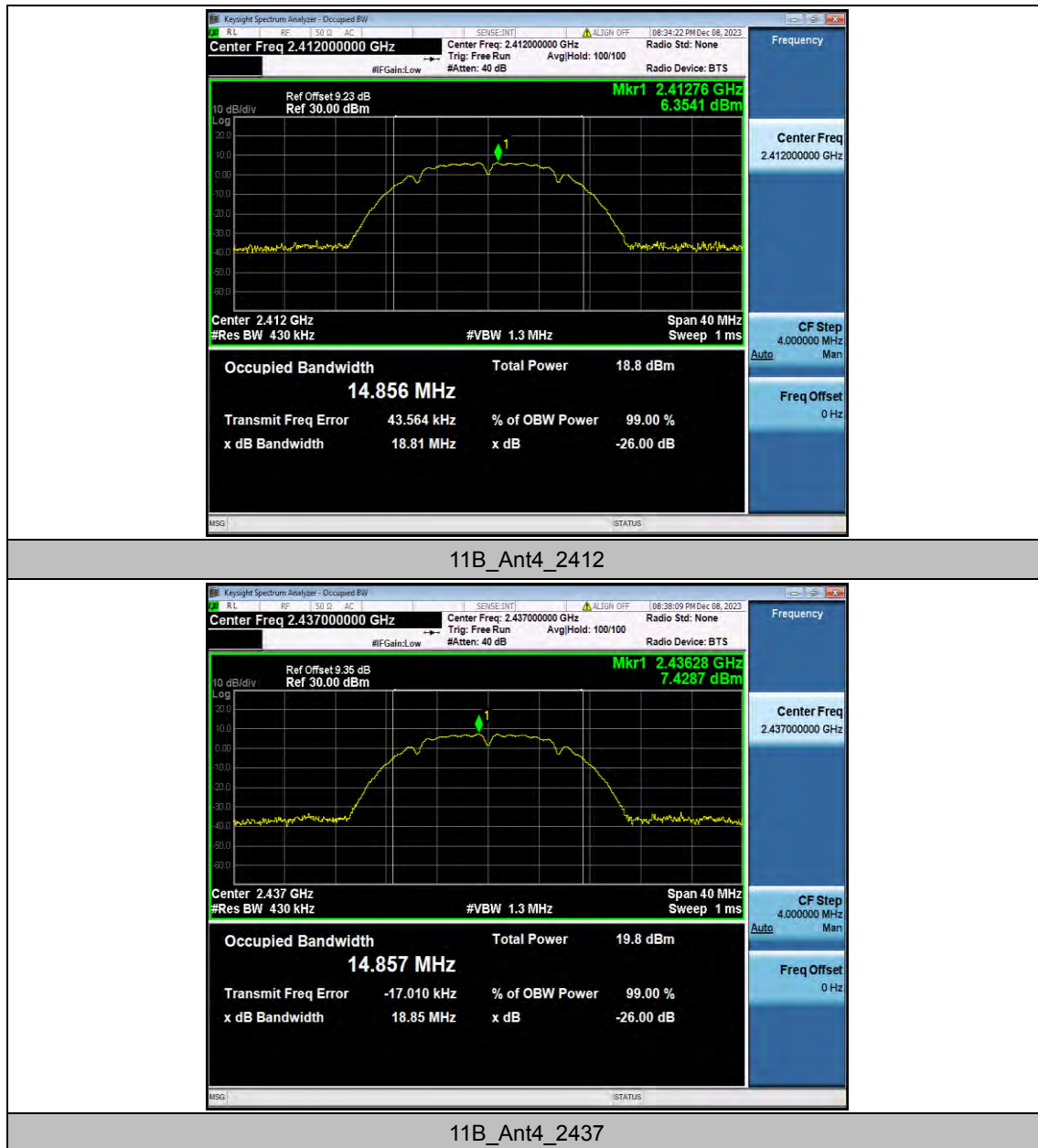
11N40SISO_Ant4_2452

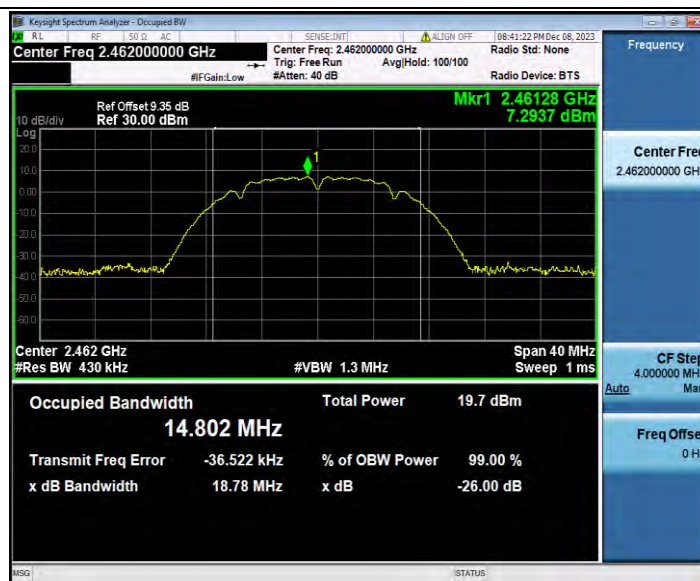
Appendix C.2: Occupied Channel Bandwidth

Test Result

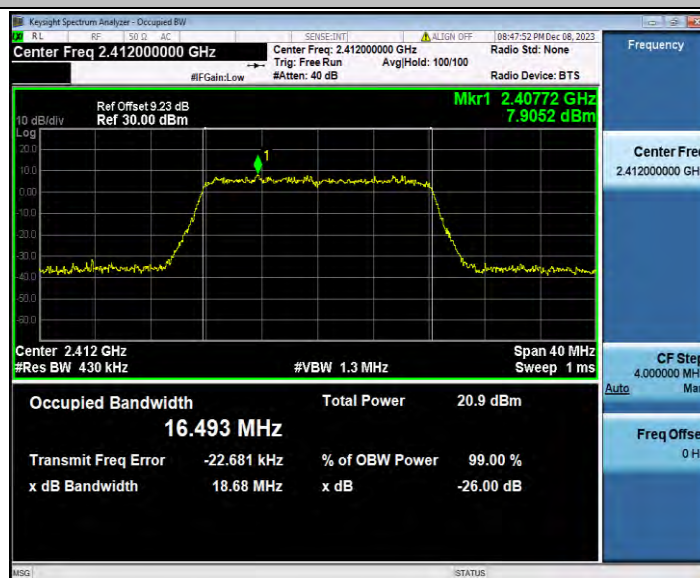
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant4	2412	14.856	2404.616	2419.472	---	---
		2437	14.857	2429.554	2444.411	---	---
		2462	14.802	2454.562	2469.364	---	---
11G	Ant4	2412	16.493	2403.731	2420.224	---	---
		2437	16.523	2428.728	2445.251	---	---
		2462	16.514	2453.717	2470.231	---	---
11N20SISO	Ant4	2412	17.658	2403.159	2420.817	---	---
		2437	17.648	2428.175	2445.823	---	---
		2462	17.640	2453.182	2470.822	---	---
11N40SISO	Ant4	2422	36.345	2403.761	2440.106	---	---
		2437	36.426	2418.768	2455.194	---	---
		2452	36.311	2433.823	2470.134	---	---

Test Graphs

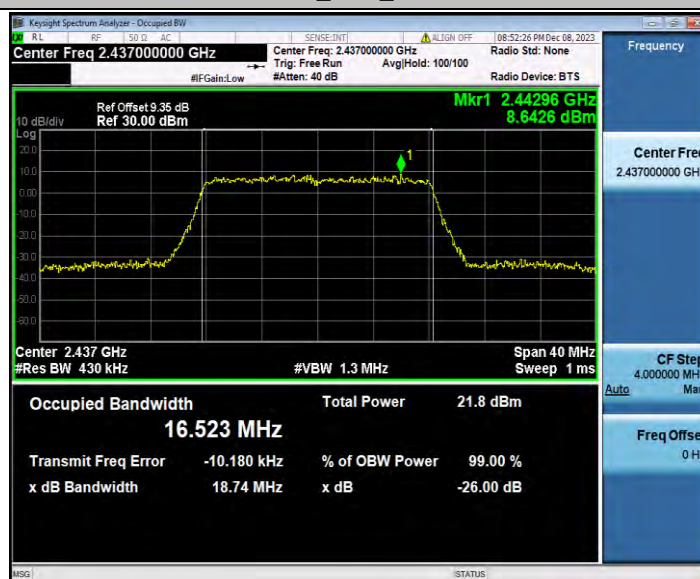




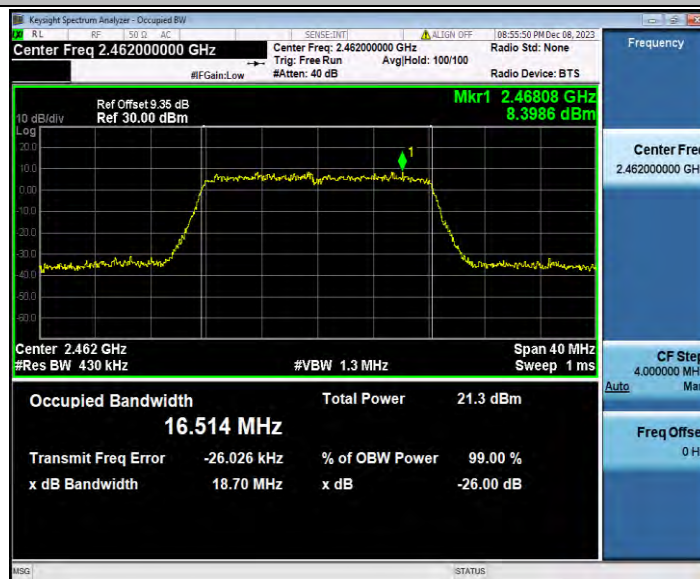
11B_Ant4_2462



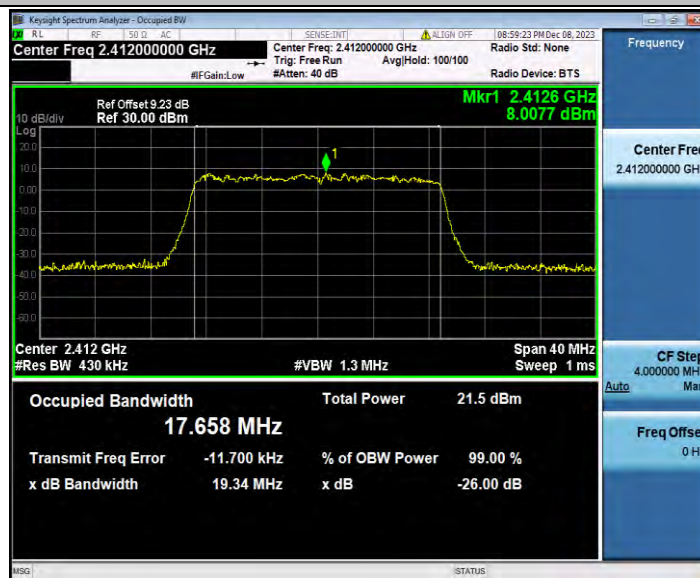
11G_Ant4_2412



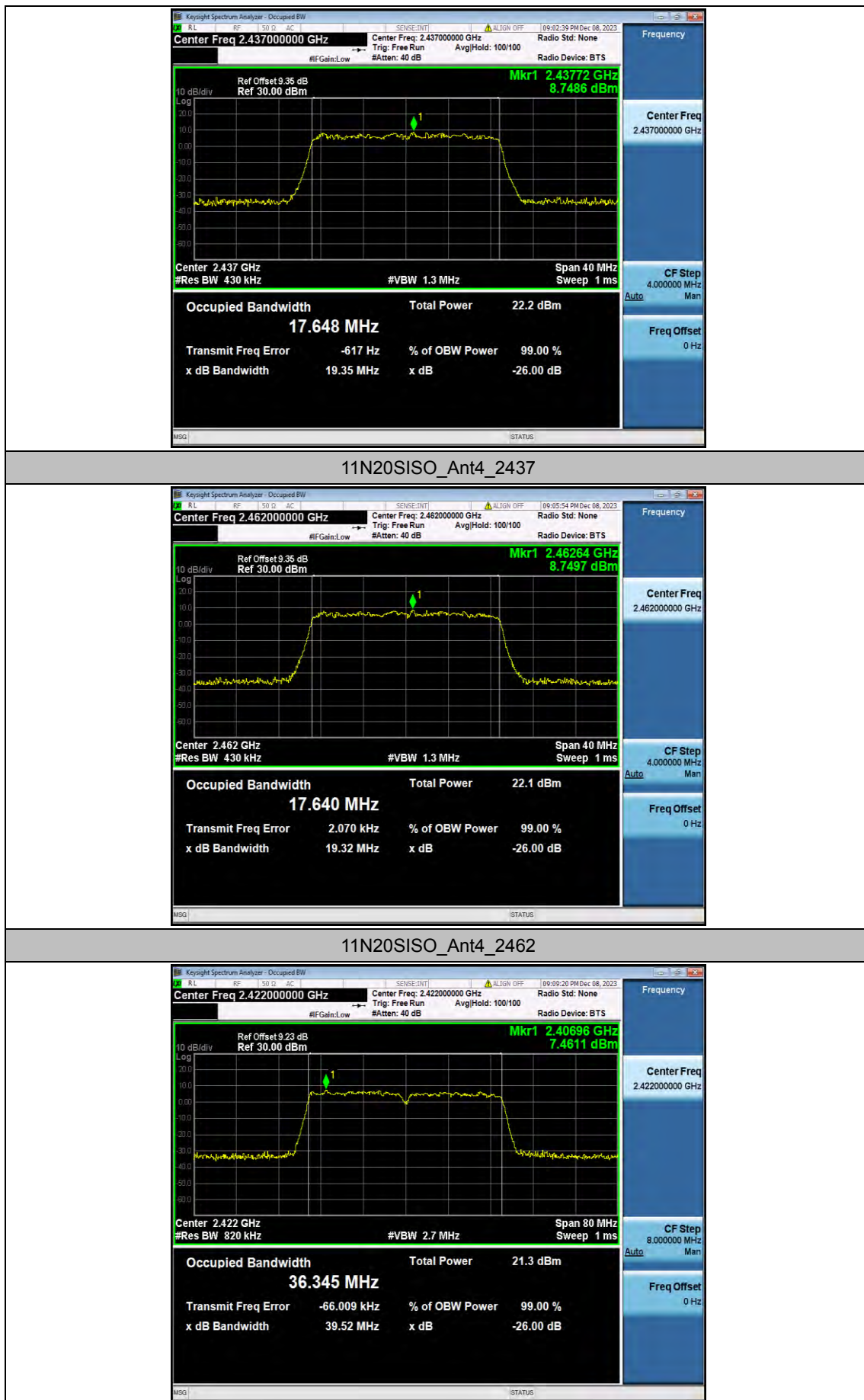
11G_Ant4_2437



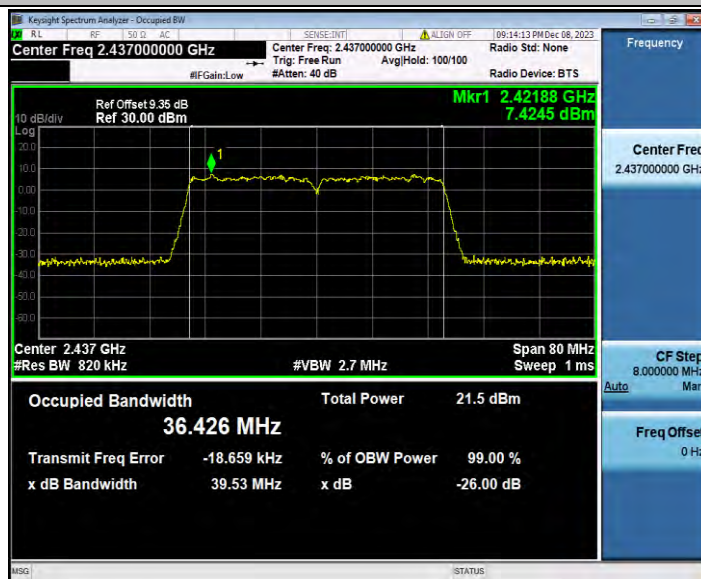
11G_Ant4_2462



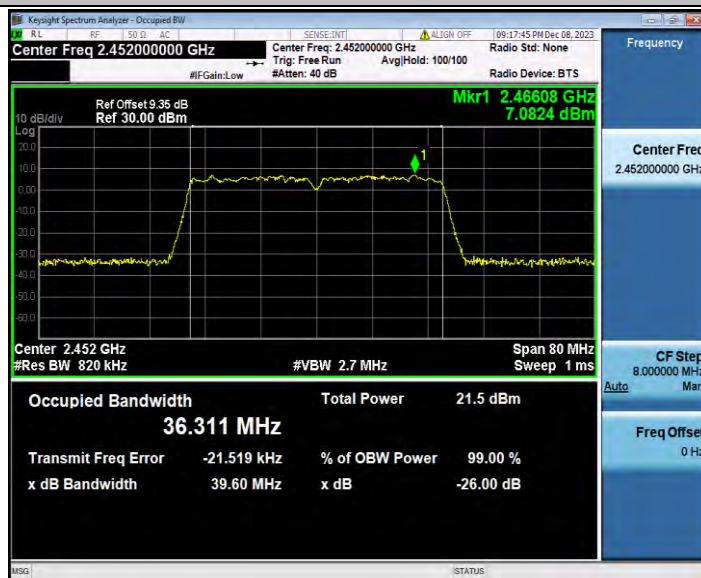
11N20SISO_Ant4_2412



11N40SISO_Ant4_2422



11N40SISO_Ant4_2437



11N40SISO_Ant4_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

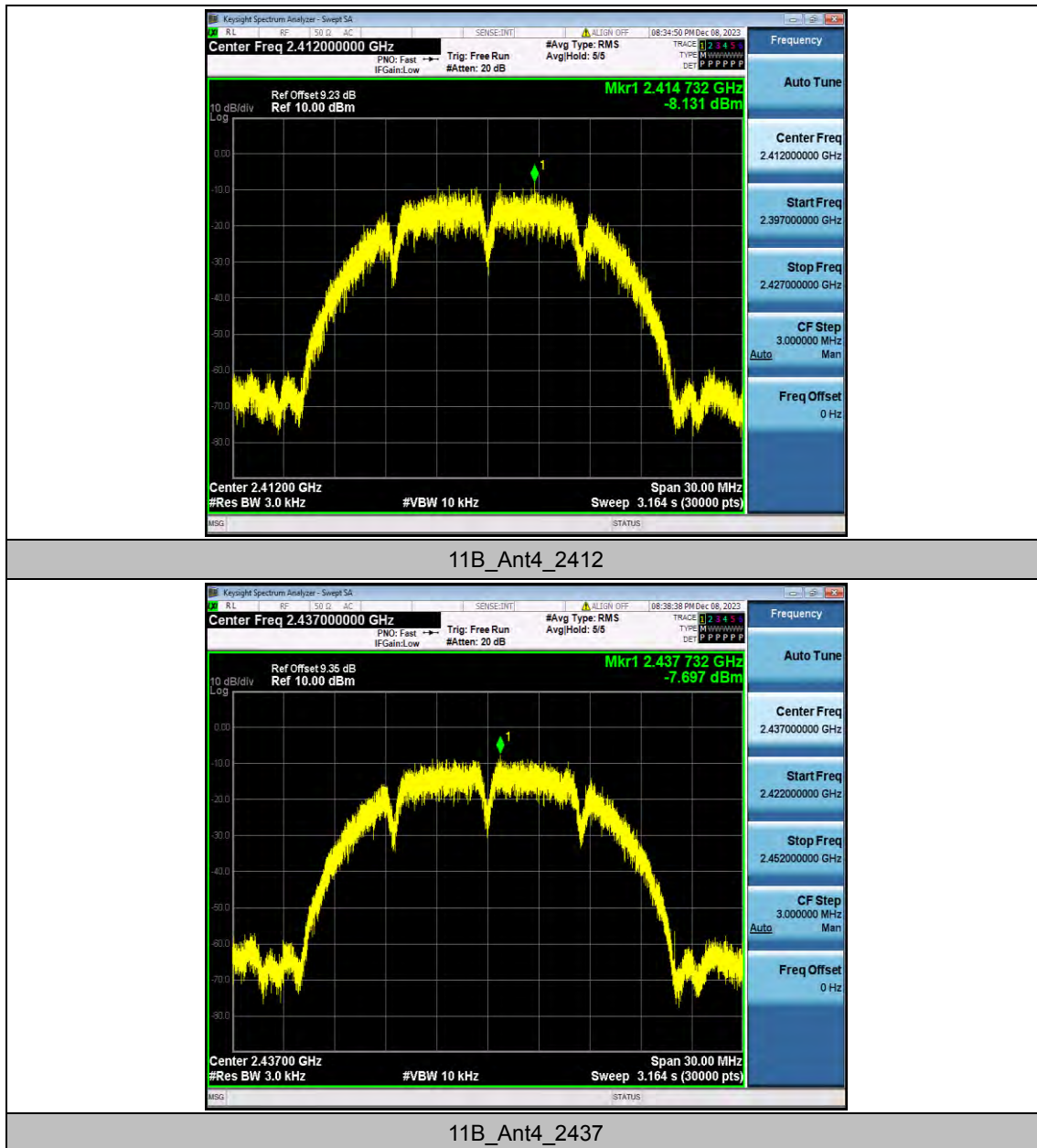
Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant4	2412	18.45	≤30.00	PASS
		2437	19.44	≤30.00	PASS
		2462	19.30	≤30.00	PASS
11G	Ant4	2412	21.78	≤30.00	PASS
		2437	22.42	≤30.00	PASS
		2462	22.18	≤30.00	PASS
11N20SISO	Ant4	2412	22.24	≤30.00	PASS
		2437	22.93	≤30.00	PASS
		2462	22.84	≤30.00	PASS
11N40SISO	Ant4	2422	21.42	≤30.00	PASS
		2437	21.72	≤30.00	PASS
		2452	21.58	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

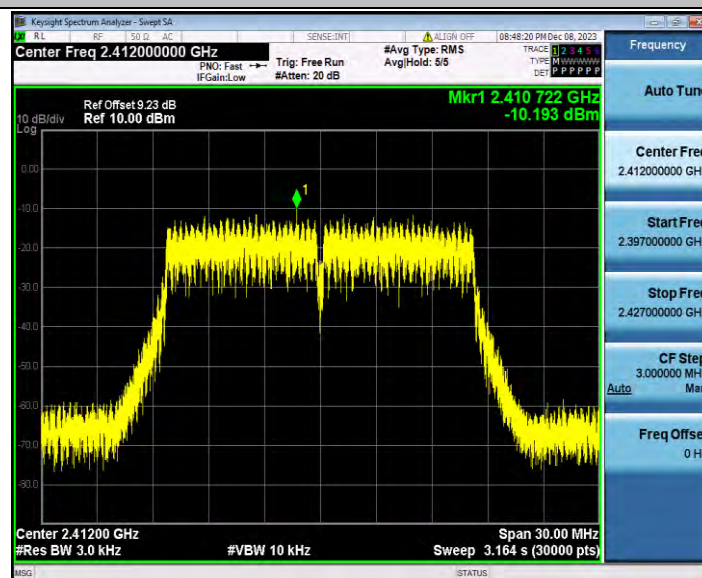
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant4	2412	-8.13	≤8.00	PASS
		2437	-7.7	≤8.00	PASS
		2462	-7.41	≤8.00	PASS
11G	Ant4	2412	-10.19	≤8.00	PASS
		2437	-10.35	≤8.00	PASS
		2462	-10.17	≤8.00	PASS
11N20SISO	Ant4	2412	-8.29	≤8.00	PASS
		2437	-7.68	≤8.00	PASS
		2462	-7.68	≤8.00	PASS
11N40SISO	Ant4	2422	-10.44	≤8.00	PASS
		2437	-9.25	≤8.00	PASS
		2452	-10.04	≤8.00	PASS

Test Graphs

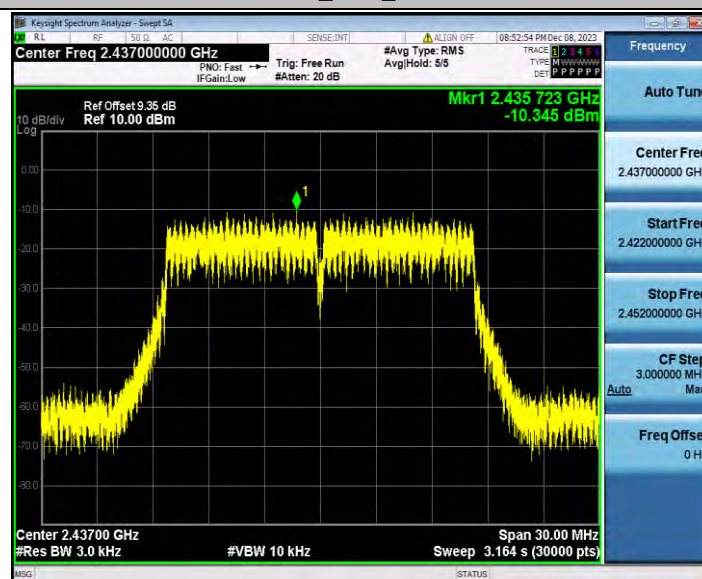




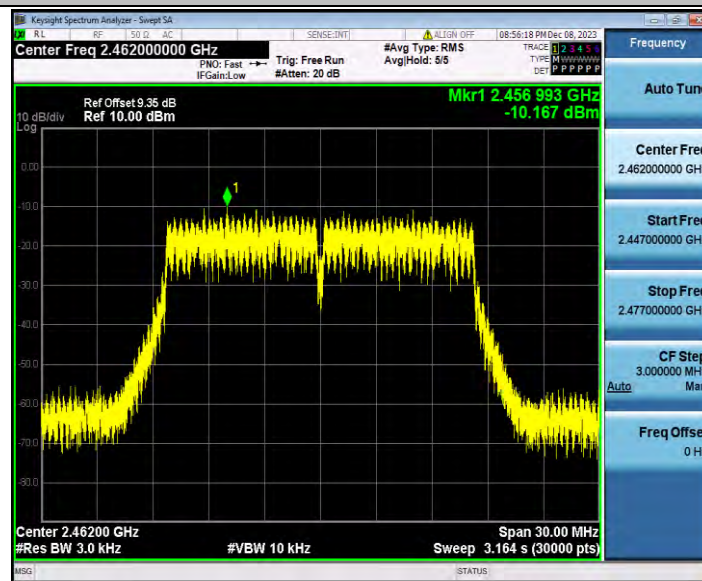
11B_Ant4_2462



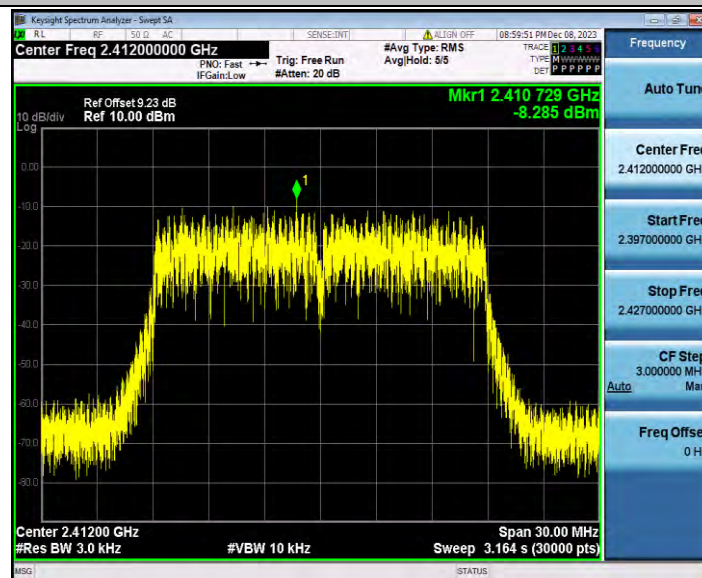
11G_Ant4_2412



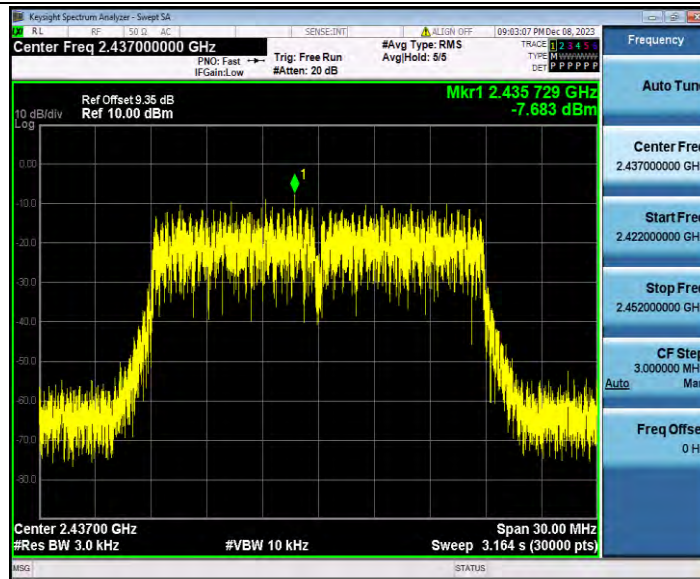
11G_Ant4_2437



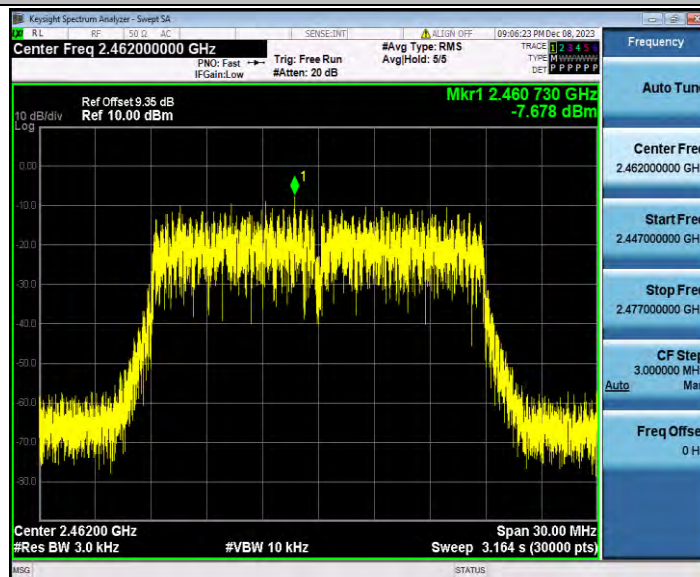
11G_Ant4_2462



11N20SISO_Ant4_2412



11N20SISO_Ant4_2437



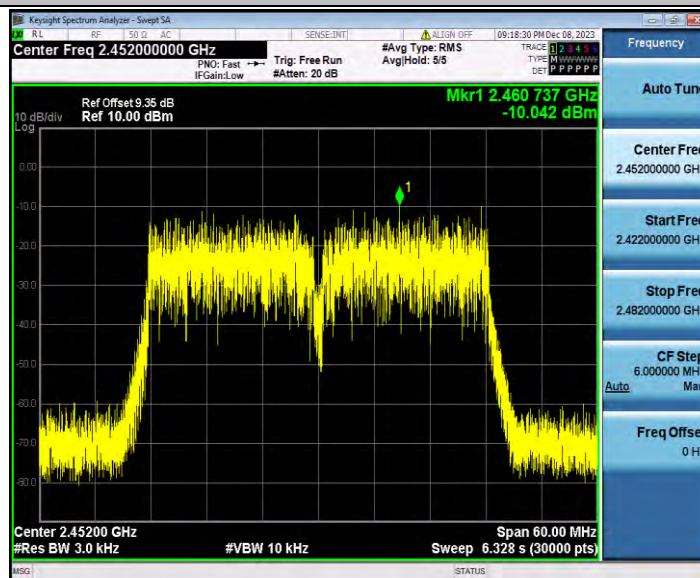
11N20SISO_Ant4_2462



11N40SISO_Ant4_2422



11N40SISO_Ant4_2437



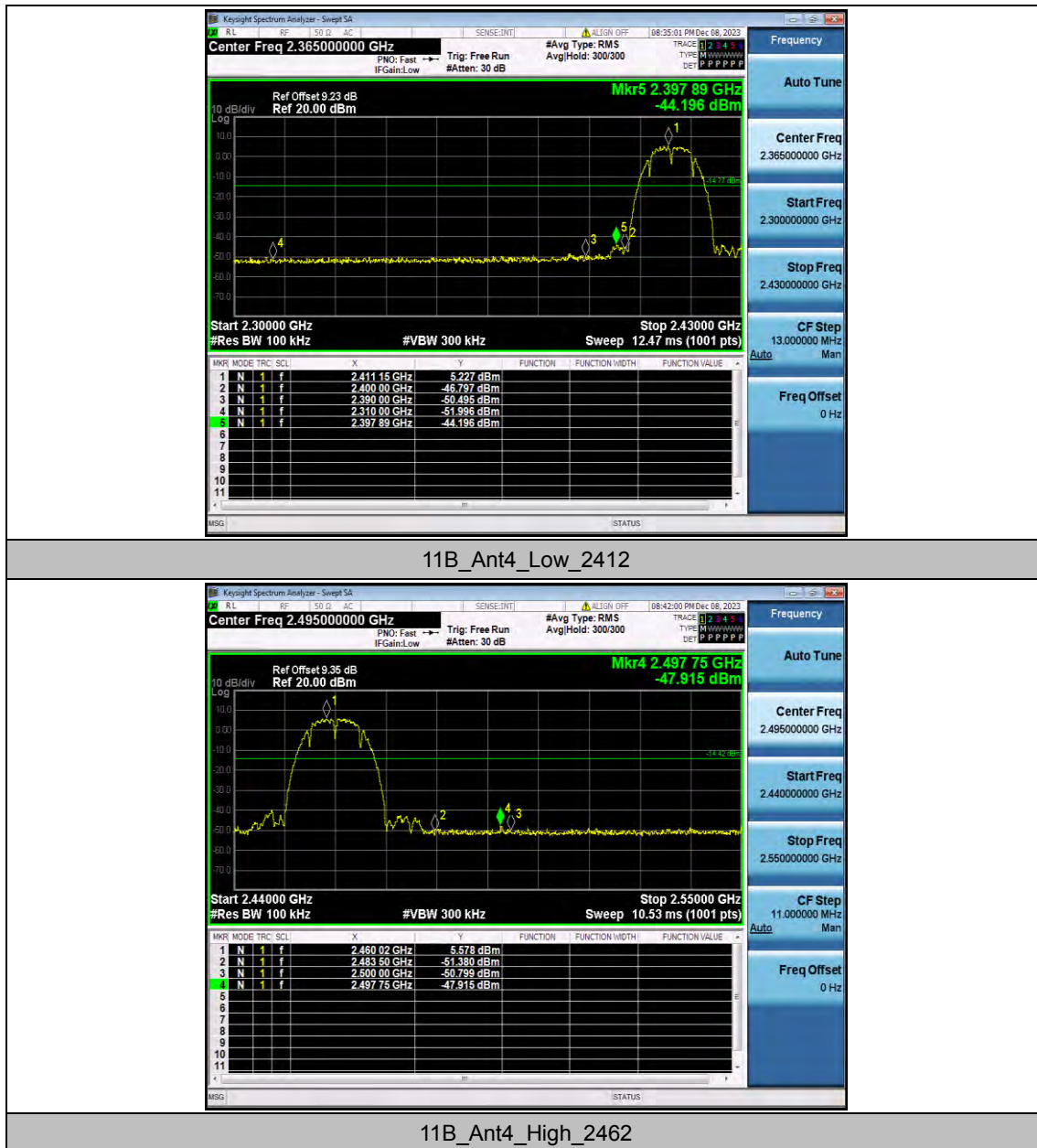
11N40SISO_Ant4_2452

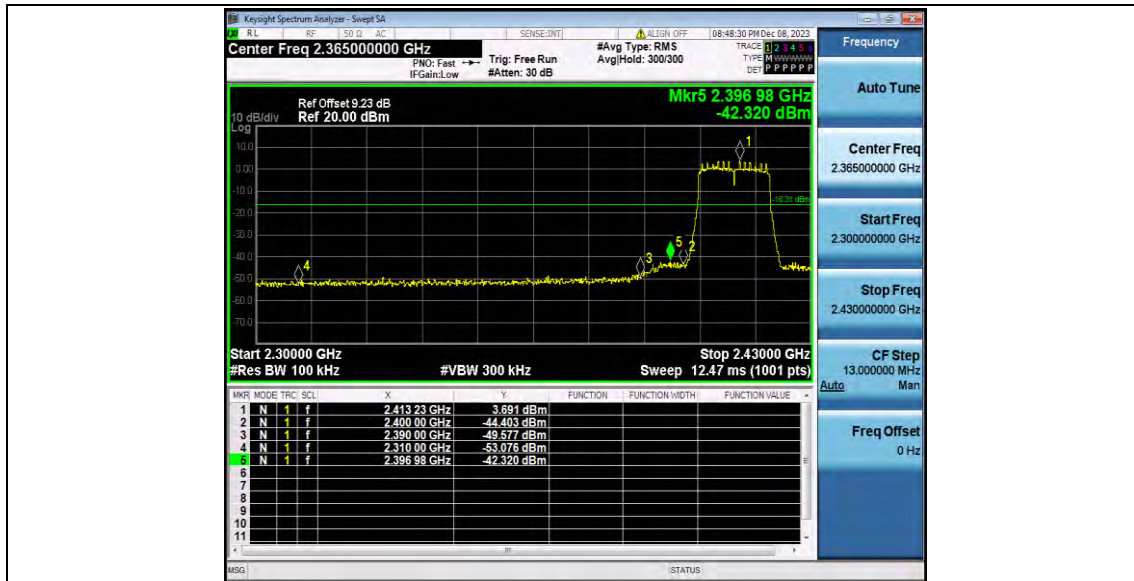
Appendix C.5: Band edge measurements

Test Result

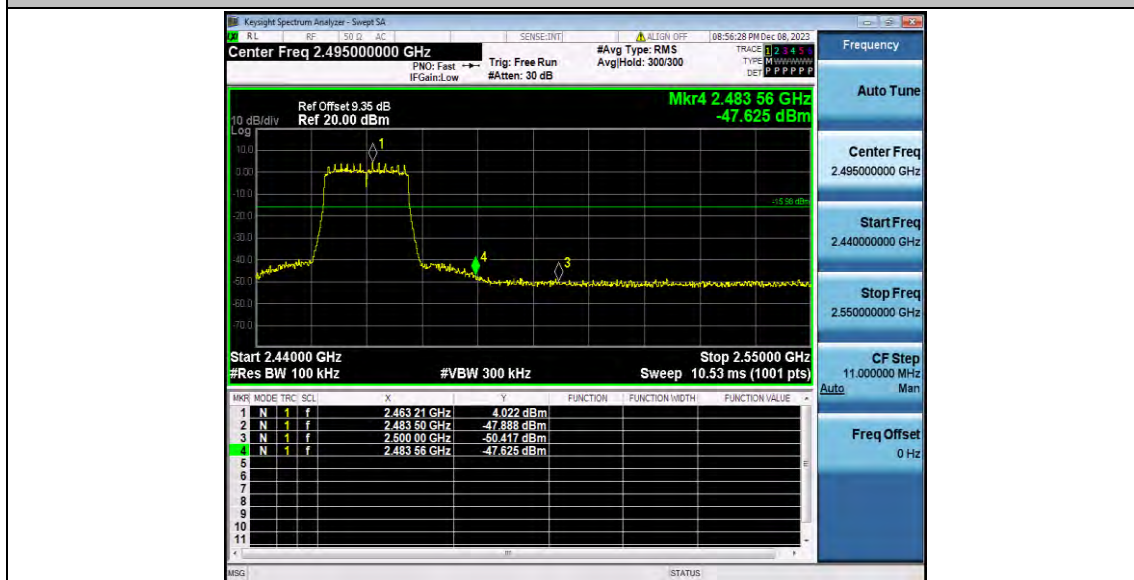
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant4	Low	2412	5.23	-44.2	≤ -14.77	PASS
		High	2462	5.58	-47.92	≤ -14.42	PASS
11G	Ant4	Low	2412	3.69	-42.32	≤ -16.31	PASS
		High	2462	4.02	-47.63	≤ -15.98	PASS
11N20SISO	Ant4	Low	2412	3.86	-42.36	≤ -16.14	PASS
		High	2462	4.53	-46.08	≤ -15.47	PASS
11N40SISO	Ant4	Low	2422	0.81	-41.86	≤ -19.19	PASS
		High	2452	0.77	-43.39	≤ -19.23	PASS

Test Graphs

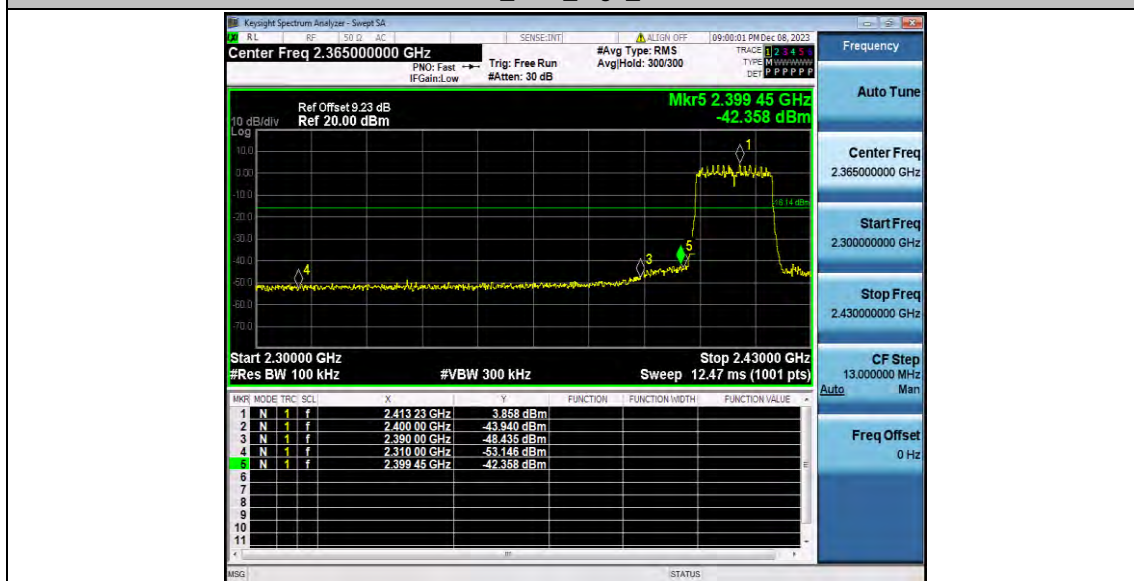




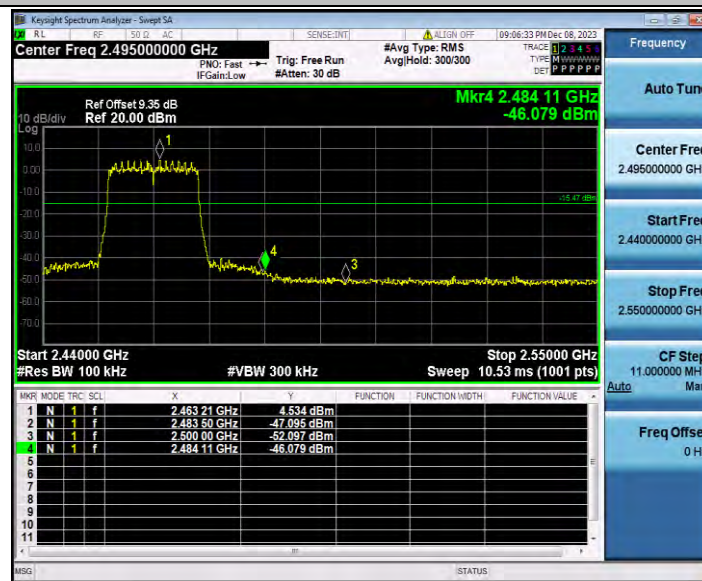
11G_Ant4_Low_2412



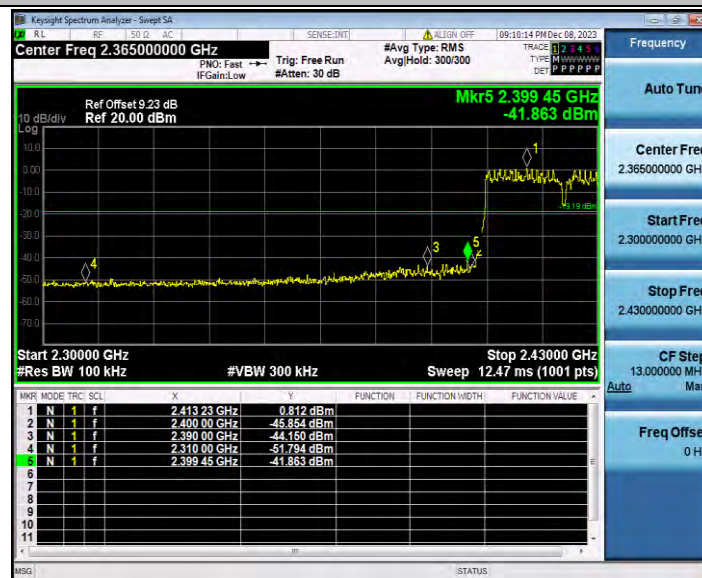
11G_Ant4_High_2462



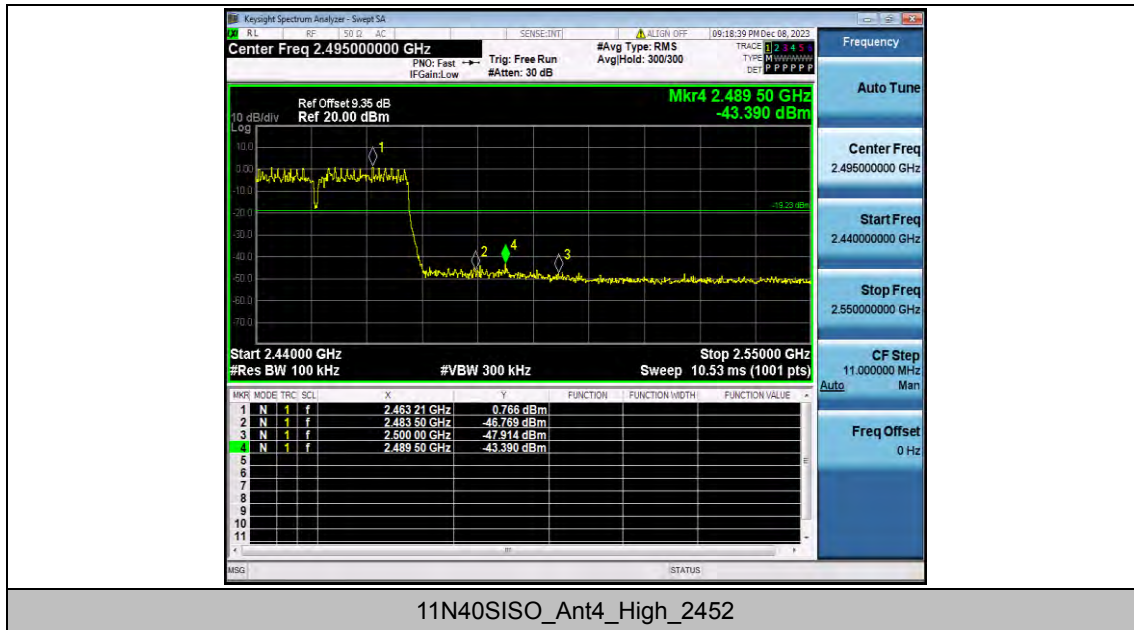
11N20SISO_Ant4_Low_2412



11N20SISO_Ant4_High_2462



11N40SISO_Ant4_Low_2422

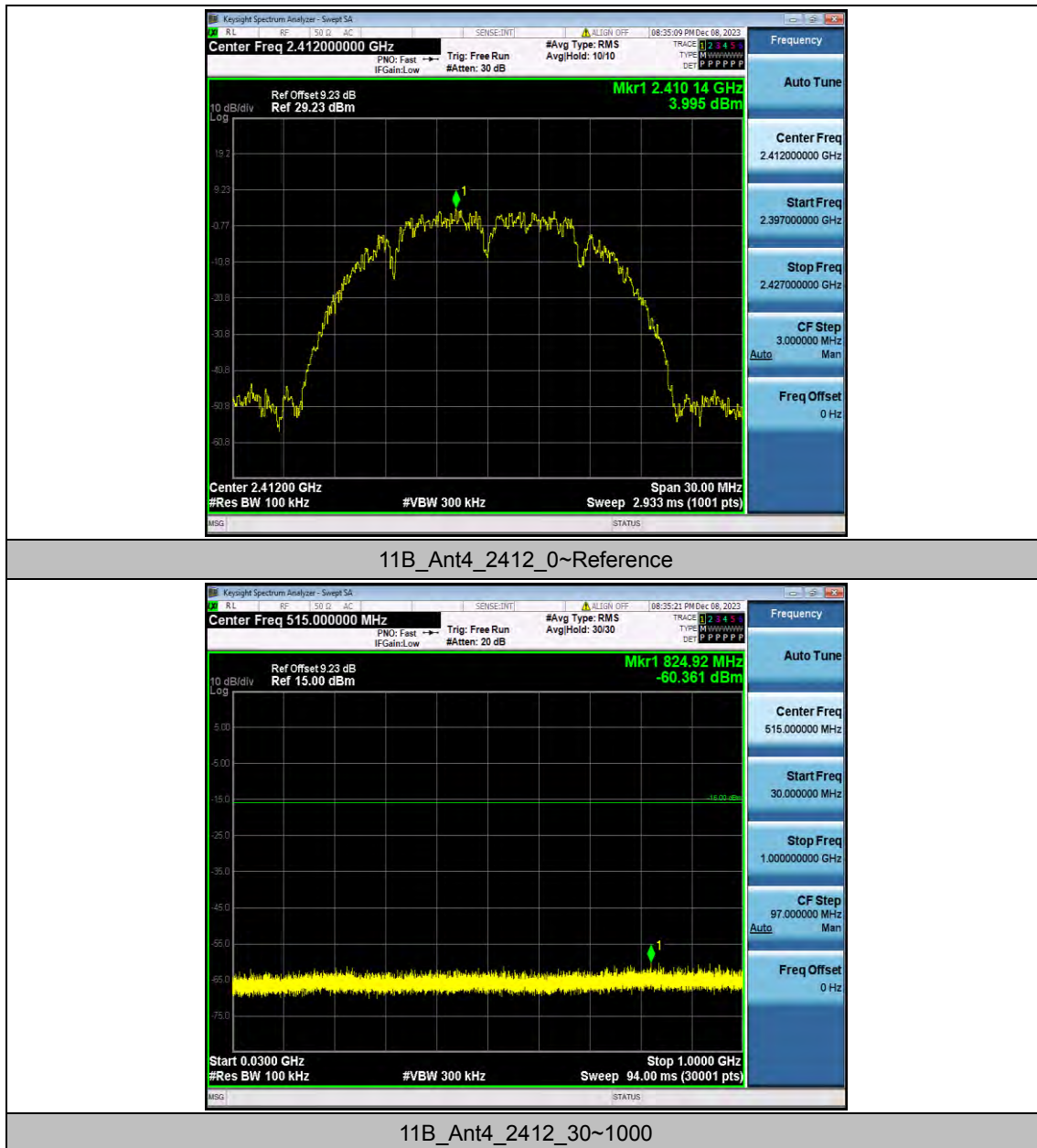


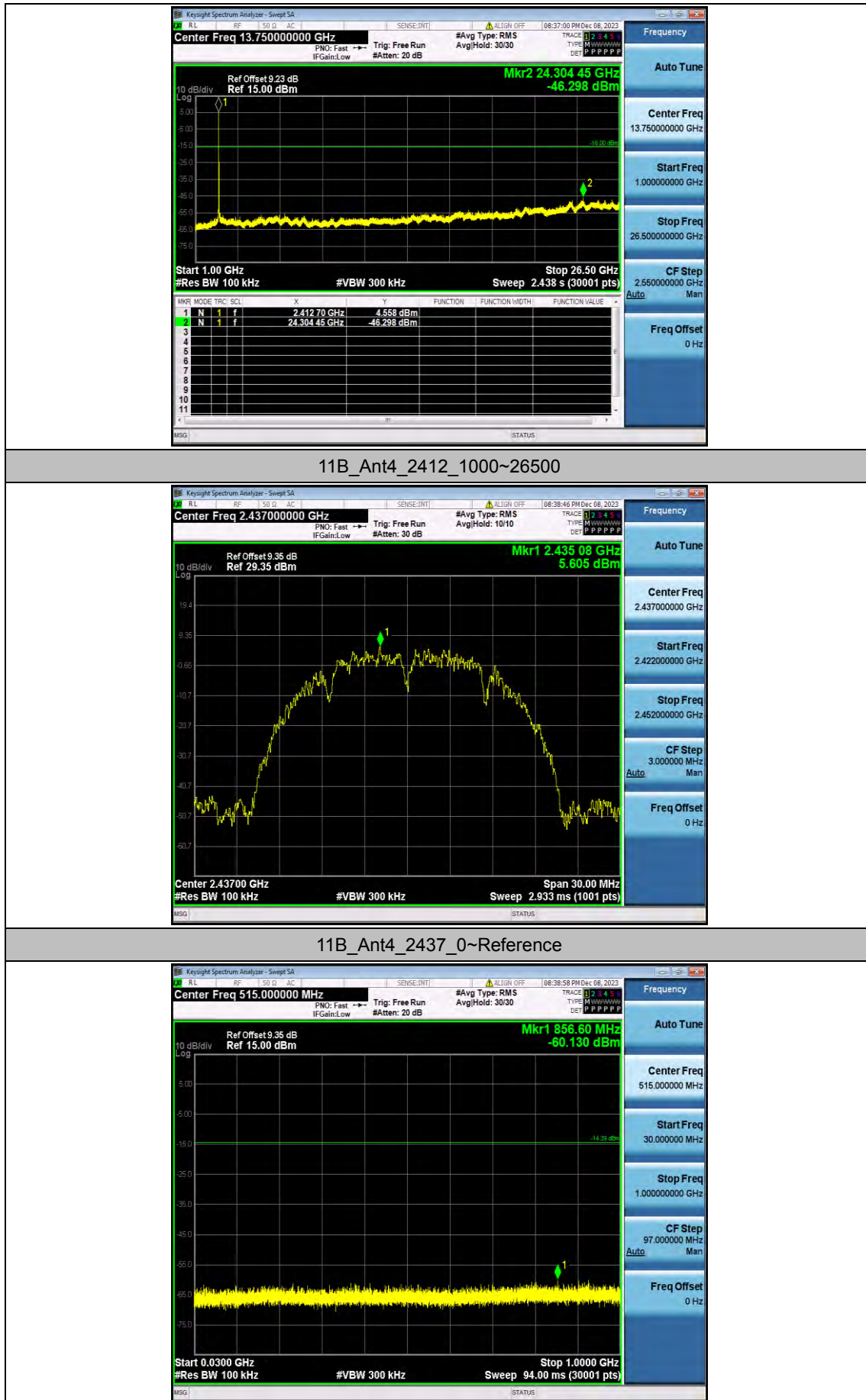
Appendix C.6: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant4	2412	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-60.36	≤ -16	PASS
			1000~26500	4.00	-46.3	≤ -16	PASS
		2437	Reference	5.61	5.61	---	PASS
			30~1000	5.61	-60.13	≤ -14.39	PASS
			1000~26500	5.61	-47.71	≤ -14.39	PASS
		2462	Reference	5.04	5.04	---	PASS
			30~1000	5.04	-60.1	≤ -14.96	PASS
			1000~26500	5.04	-47.4	≤ -14.96	PASS
11G	Ant4	2412	Reference	0.69	0.69	---	PASS
			30~1000	0.69	-60.22	≤ -19.31	PASS
			1000~26500	0.69	-47.76	≤ -19.31	PASS
		2437	Reference	2.04	2.04	---	PASS
			30~1000	2.04	-60.52	≤ -17.96	PASS
			1000~26500	2.04	-47.3	≤ -17.96	PASS
		2462	Reference	3.97	3.97	---	PASS
			30~1000	3.97	-54.52	≤ -16.03	PASS
			1000~26500	3.97	-48.03	≤ -16.03	PASS
11N20SISO	Ant4	2412	Reference	3.61	3.61	---	PASS
			30~1000	3.61	-59.91	≤ -16.39	PASS
			1000~26500	3.61	-47.13	≤ -16.39	PASS
		2437	Reference	3.90	3.90	---	PASS
			30~1000	3.90	-59.38	≤ -16.1	PASS
			1000~26500	3.90	-47.52	≤ -16.1	PASS
		2462	Reference	3.97	3.97	---	PASS
			30~1000	3.97	-60.4	≤ -16.03	PASS
			1000~26500	3.97	-47.4	≤ -16.03	PASS
11N40SISO	Ant4	2422	Reference	0.15	0.15	---	PASS
			30~1000	0.15	-60.64	≤ -19.85	PASS
			1000~26500	0.15	-47.98	≤ -19.85	PASS
		2437	Reference	0.59	0.59	---	PASS
			30~1000	0.59	-59.82	≤ -19.41	PASS
			1000~26500	0.59	-47.52	≤ -19.41	PASS
		2452	Reference	0.49	0.49	---	PASS
			30~1000	0.49	-60.73	≤ -19.51	PASS
			1000~26500	0.49	-47.06	≤ -19.51	PASS

Test Graphs





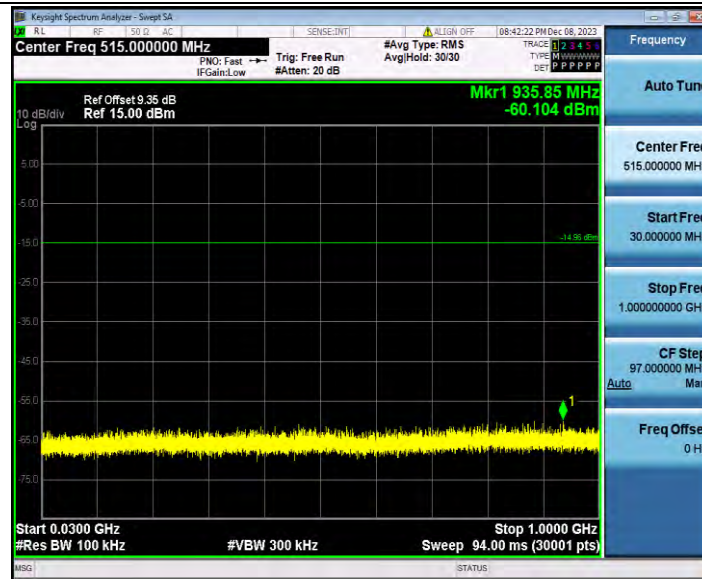
11B_Ant4_2437_30~1000



11B_Ant4_2437_1000~26500



11B_Ant4_2462_0~Reference



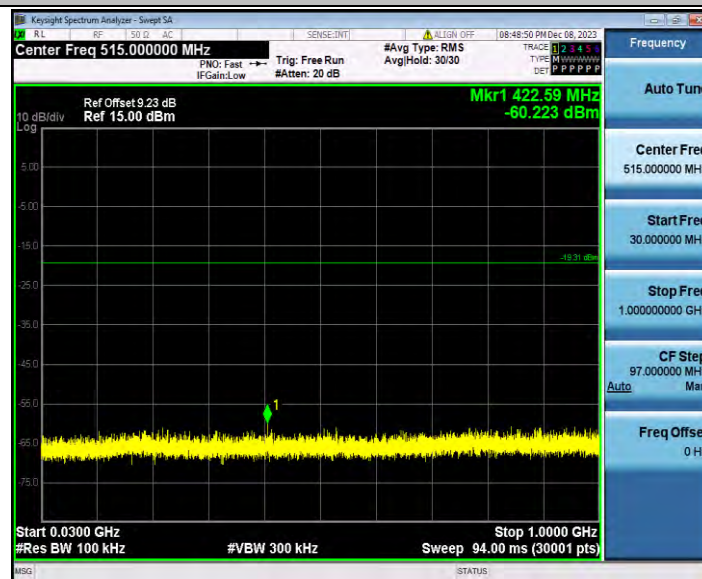
11B_Ant4_2462_30~1000



11B_Ant4_2462_1000~26500



11G_Ant4_2412_0~Reference



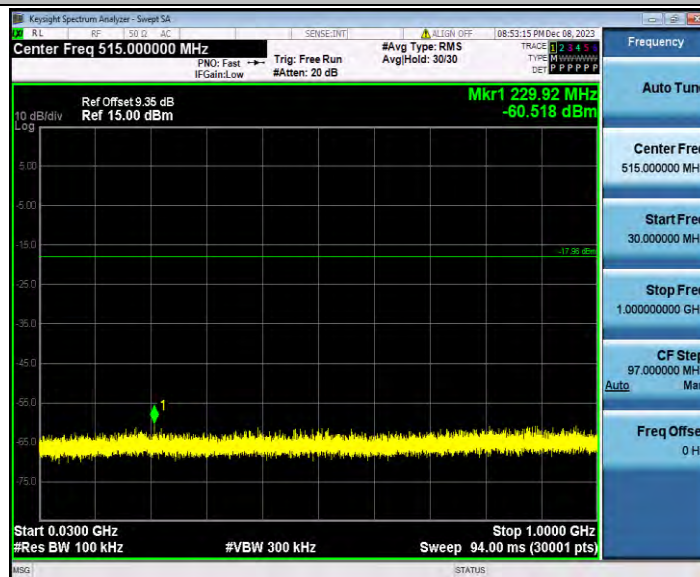
11G_Ant4_2412_30~1000



11G_Ant4_2412_1000~26500



11G_Ant4_2437_0~Reference



11G_Ant4_2437_30~1000



11G_Ant4_2437_1000~26500

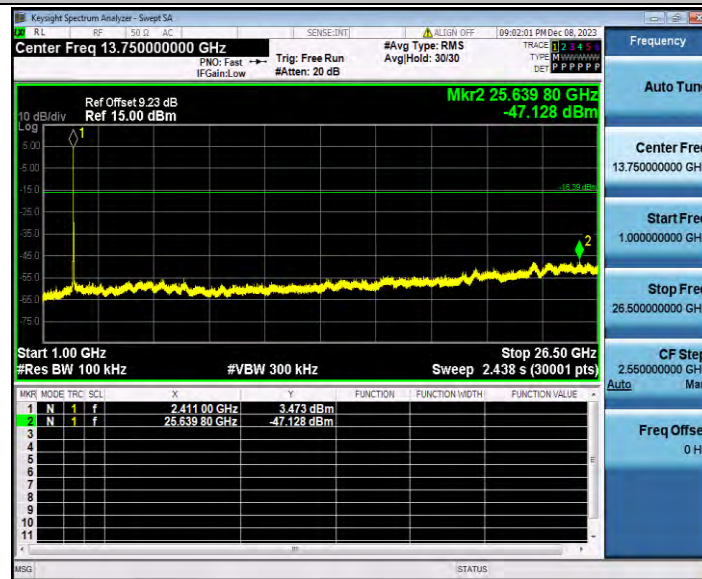


11G_Ant4_2462_0~Reference



11G_Ant4_2462_30~1000

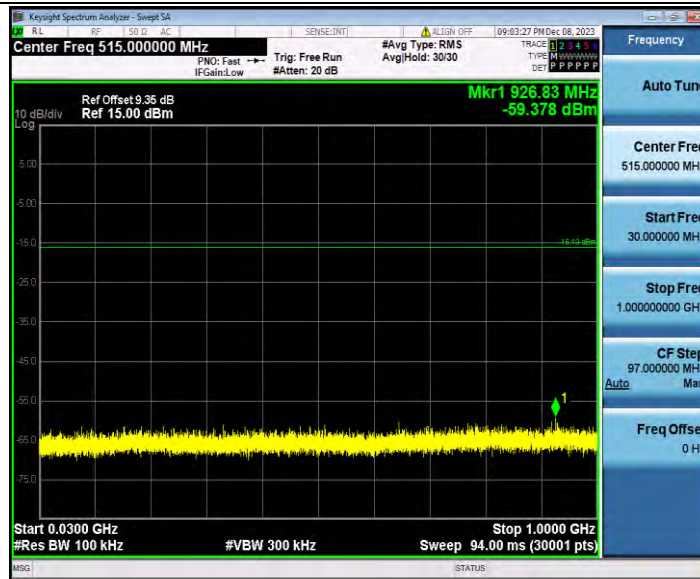
11N20SISO_Ant4_2412_30~1000



11N20SISO_Ant4_2412_1000~26500



11N20SISO_Ant4_2437_0~Reference



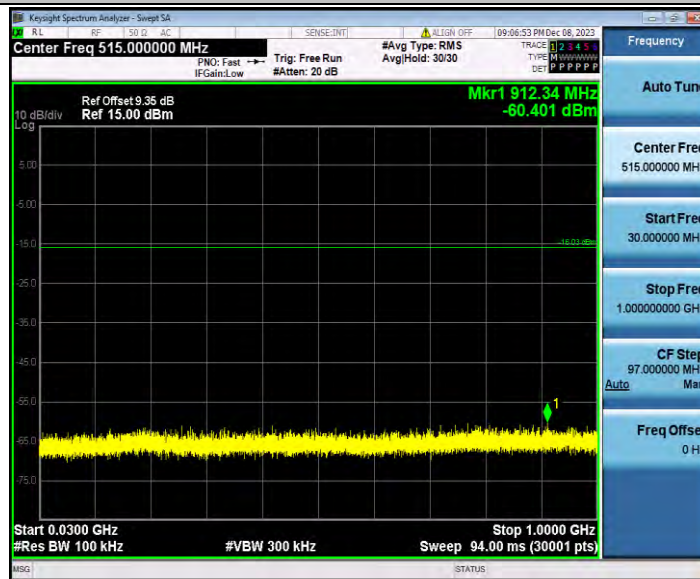
11N20SISO_Ant4_2437_30~1000



11N20SISO_Ant4_2437_1000~26500



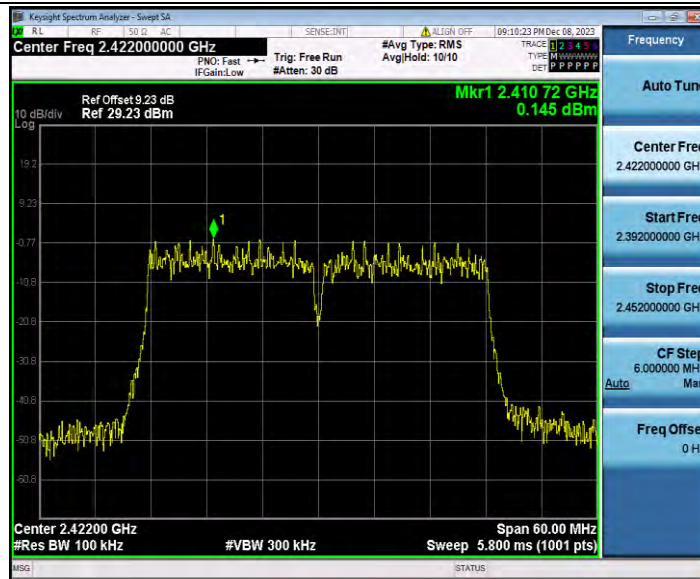
11N20SISO_Ant4_2462_0~Reference



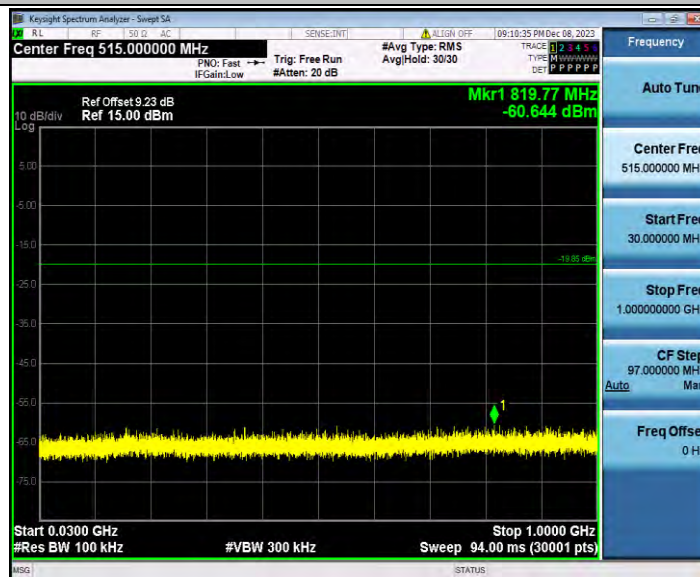
11N20SISO_Ant4_2462_30~1000



11N20SISO_Ant4_2462_1000~26500



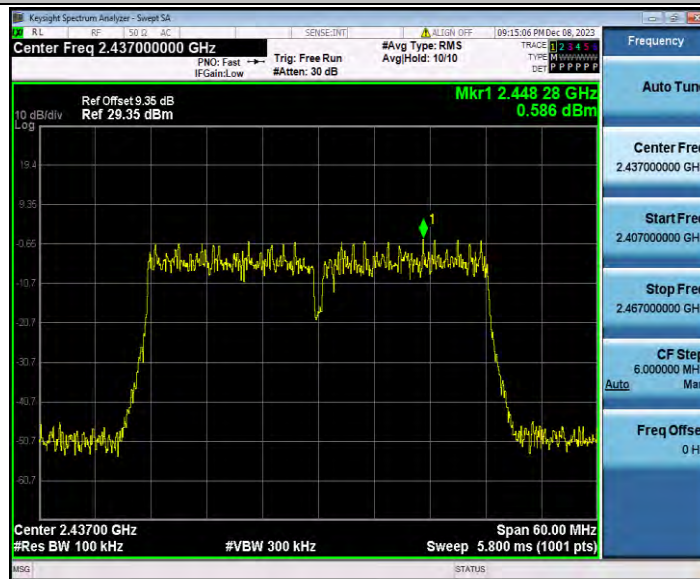
11N40SISO_Ant4_2422_0~Reference



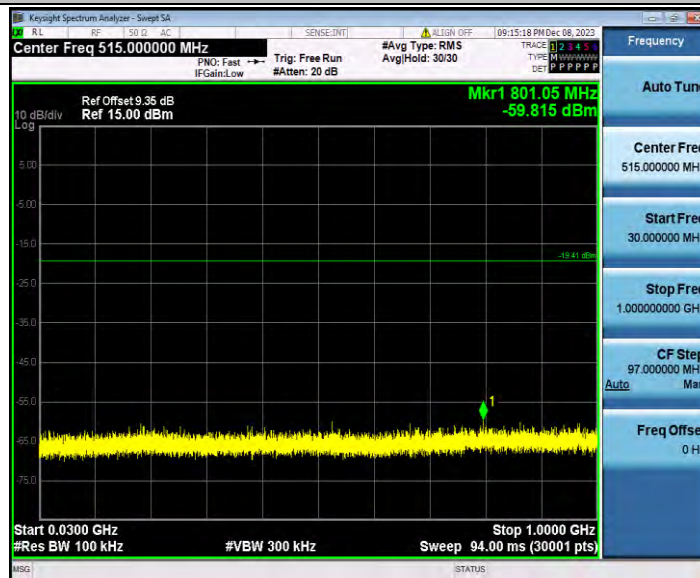
11N40SISO_Ant4_2422_30~1000



11N40SISO_Ant4_2422_1000~26500



11N40SISO_Ant4_2437_0~Reference



11N40SISO_Ant4_2437_30~1000

