Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.960	2407.680	2416.640	0.5	PASS
		2437	10.040	2431.920	2441.960	0.5	PASS
		2462	9.480	2457.360	2466.840	0.5	PASS
11G	Ant1	2412	16.440	2403.760	2420.200	0.5	PASS
		2437	16.440	2428.800	2445.240	0.5	PASS
		2462	16.440	2453.760	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.240	2420.840	0.5	PASS
		2437	17.640	2428.200	2445.840	0.5	PASS
		2462	17.640	2453.200	2470.840	0.5	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

Appendix B: Occupied Channel Bandwidth

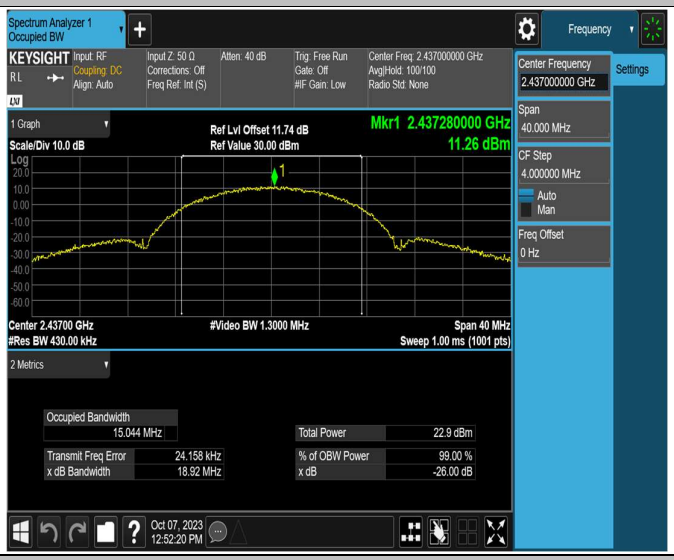
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.043	2404.5114	2419.5544	---	---
		2437	15.044	2429.5022	2444.5462	---	---
		2462	15.049	2454.5294	2469.5784	---	---
11G	Ant1	2412	16.925	2403.5981	2420.5231	---	---
		2437	16.978	2428.6253	2445.6033	---	---
		2462	17.028	2453.5014	2470.5294	---	---
11N20SISO	Ant1	2412	18.065	2403.0006	2421.0656	---	---
		2437	17.962	2428.1013	2446.0633	---	---
		2462	18.023	2453.0221	2471.0451	---	---

Test Graphs

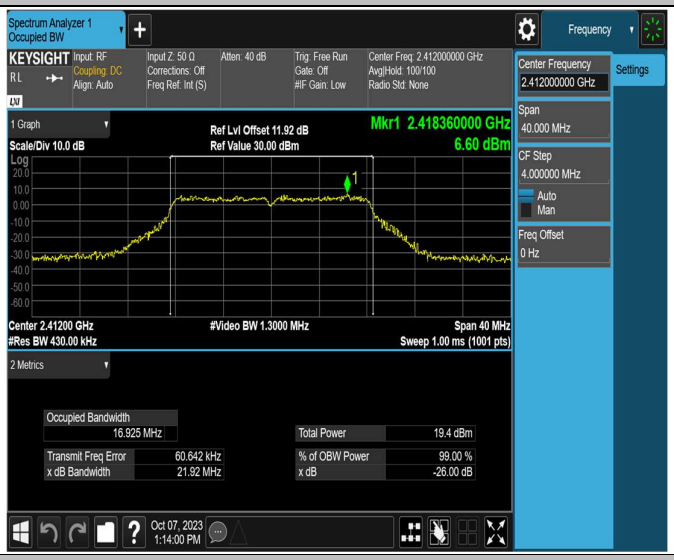
11B_Ant1_2412

11B_Ant1_2437



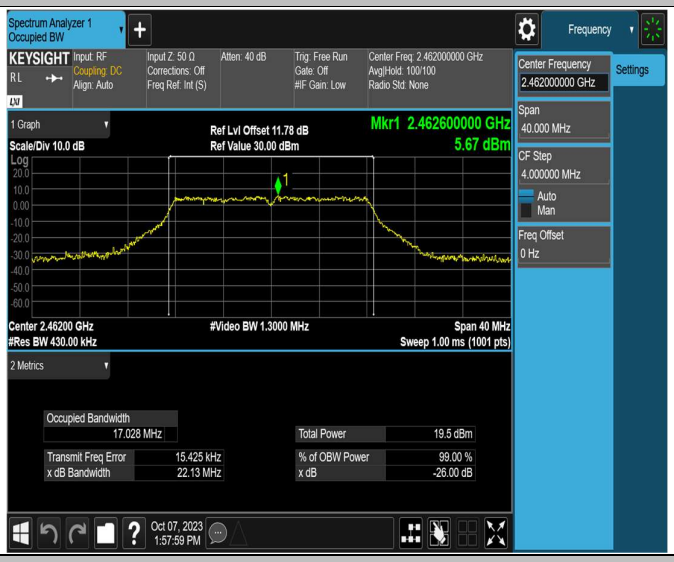
11B_Ant1_2462

11G_Ant1_2412

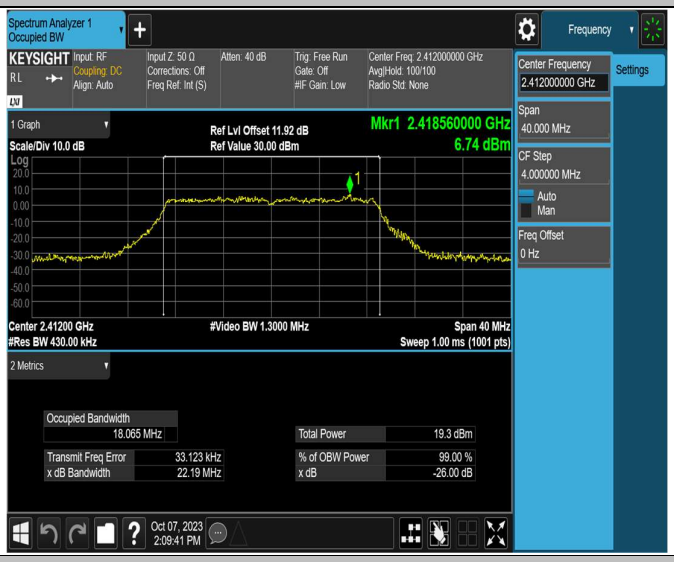


11G_Ant1_2437

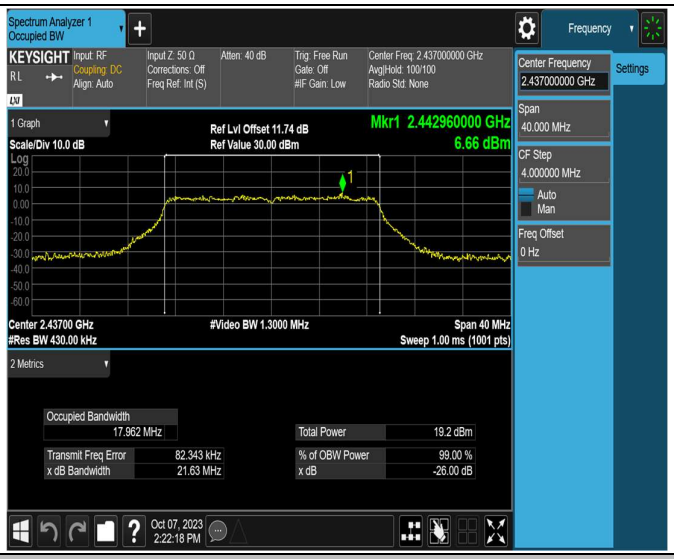
11G_Ant1_2462



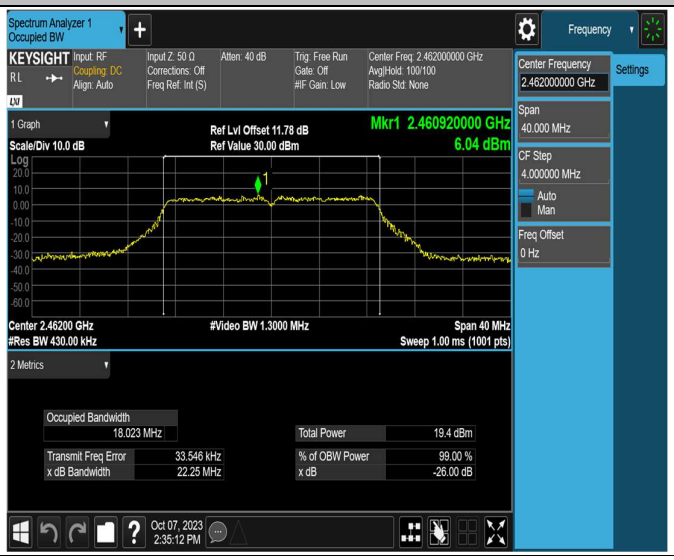
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Frequency[MHz]	Conducted Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	18.03	≤30.00	PASS
		2437	16.21	≤30.00	PASS
		2462	16.15	≤30.00	PASS
11G	Ant1	2412	13.33	≤30.00	PASS
		2437	13.10	≤30.00	PASS
		2462	13.90	≤30.00	PASS
11N20SISO	Ant1	2412	13.62	≤30.00	PASS
		2437	13.93	≤30.00	PASS
		2462	13.52	≤30.00	PASS

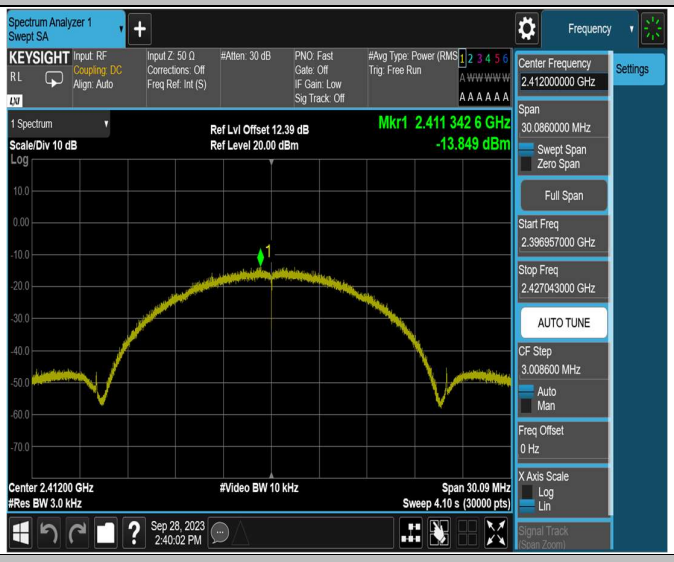
Appendix D: Maximum power spectral density

Test Result

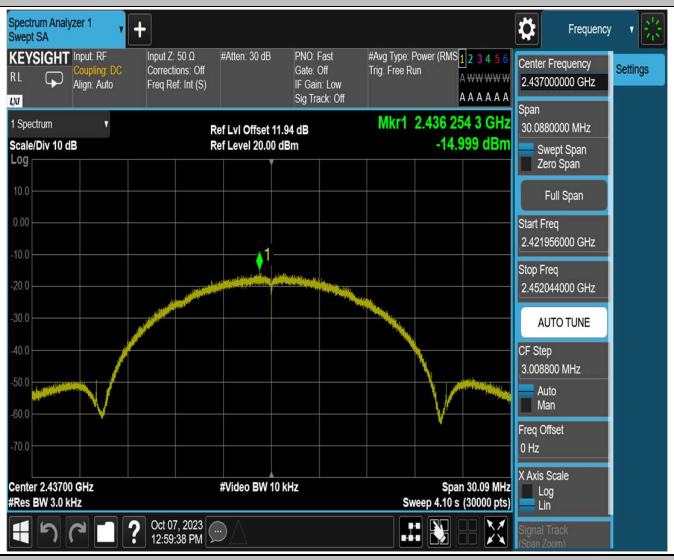
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.85	≤8.00	PASS
		2437	-15	≤8.00	PASS
		2462	-15.66	≤8.00	PASS
11G	Ant1	2412	-14.5	≤8.00	PASS
		2437	-15.59	≤8.00	PASS
		2462	-13.46	≤8.00	PASS
11N20SISO	Ant1	2412	-13.43	≤8.00	PASS
		2437	-14.49	≤8.00	PASS
		2462	-14.03	≤8.00	PASS

Test Graphs

11B_Ant1_2412

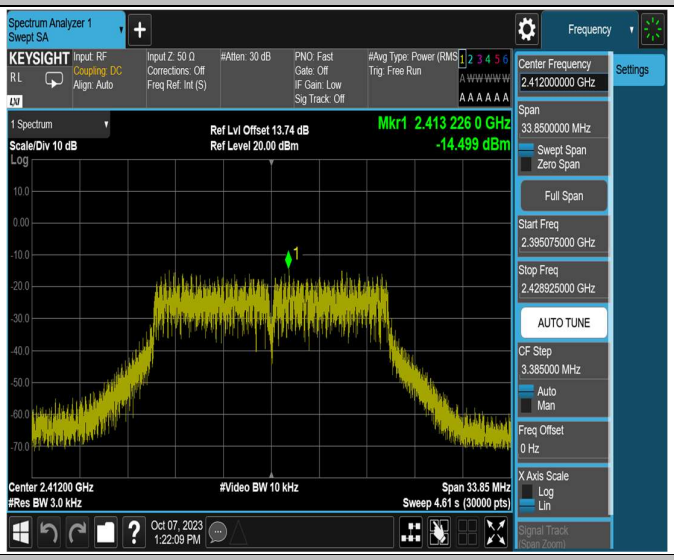


11B_Ant1_2437

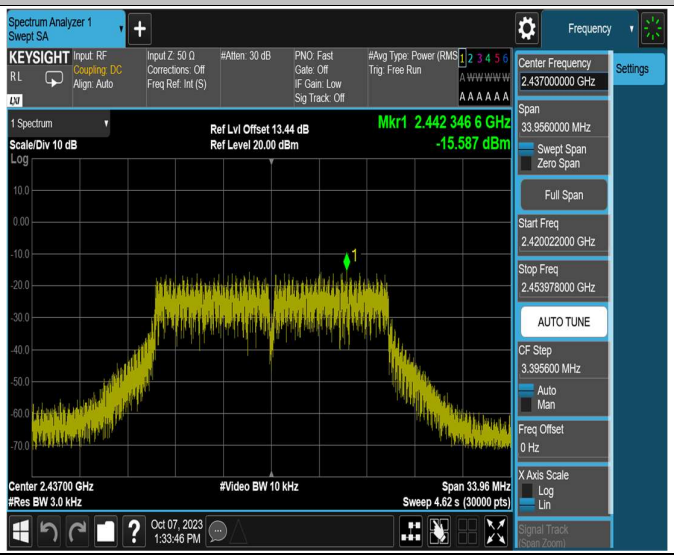


11B_Ant1_2462

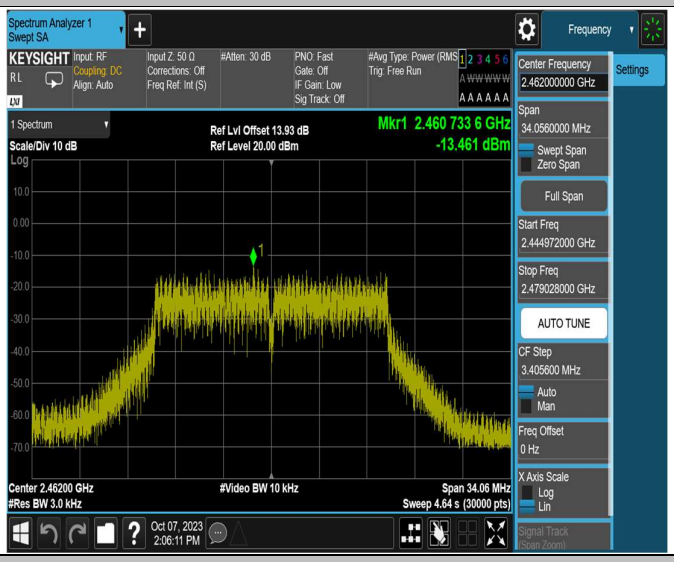
11G_Ant1_2412



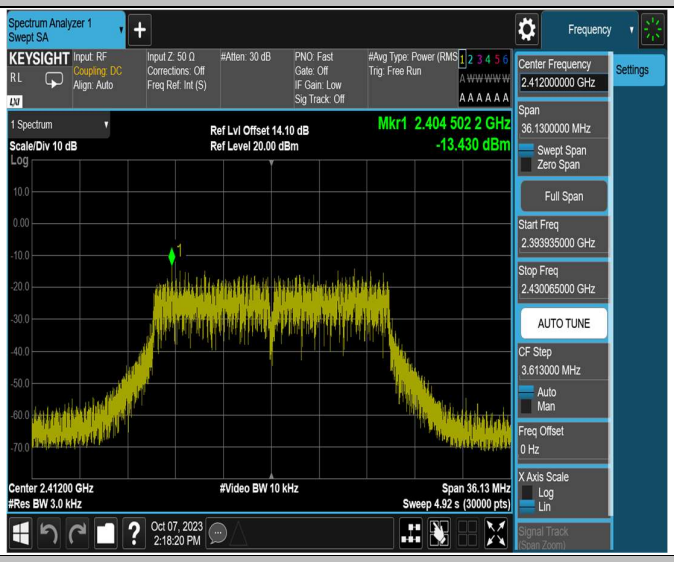
11G_Ant1_2437



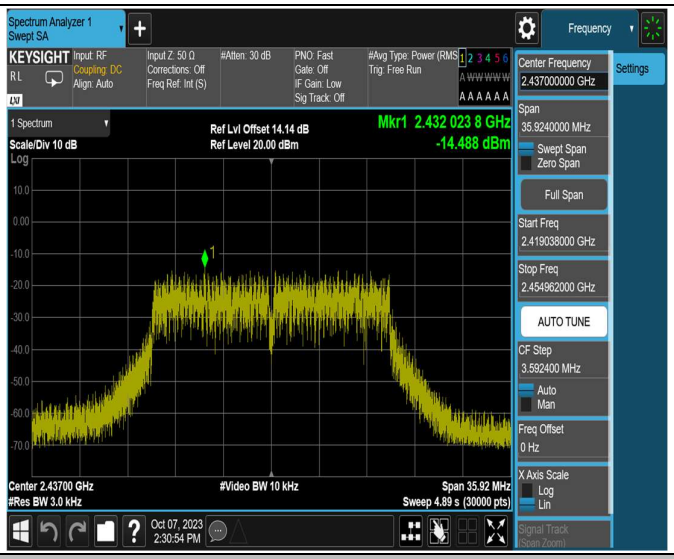
11G_Ant1_2462



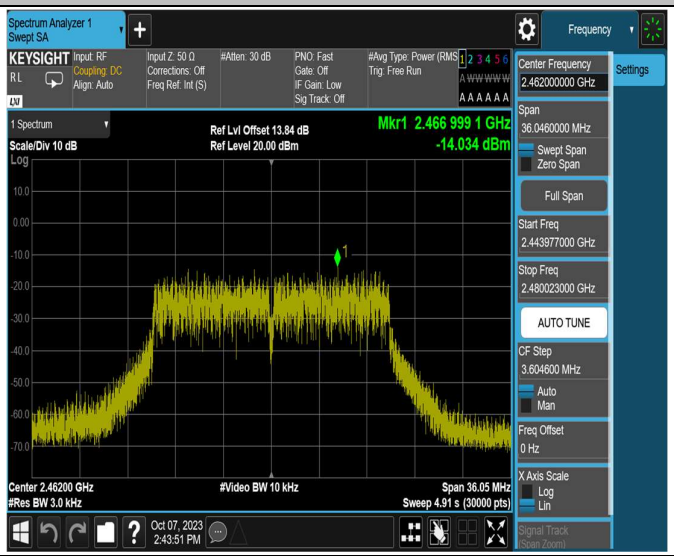
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix E: Band edge measurements

Test Result

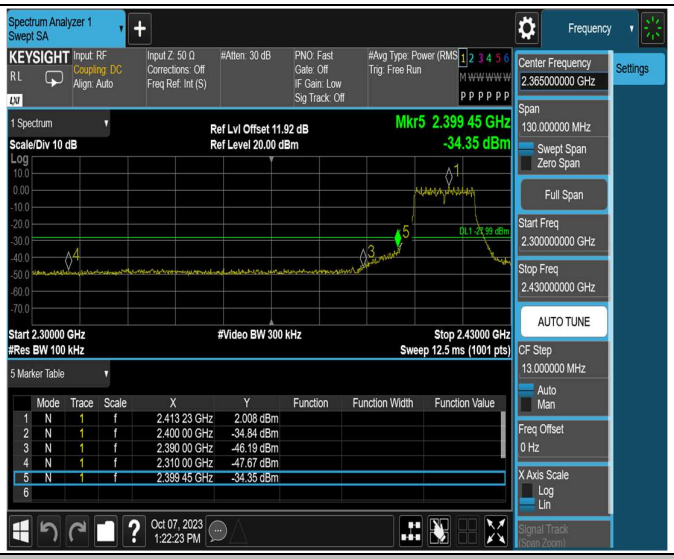
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.99	-23.09	≤-21.01	PASS
		High	2462	7.03	-45.19	≤-22.97	PASS
11G	Ant1	Low	2412	2.01	-34.35	≤-27.99	PASS
		High	2462	2.07	-45.28	≤-27.93	PASS
11N20SISO	Ant1	Low	2412	2.09	-34.84	≤-27.91	PASS
		High	2462	2.19	-45.17	≤-27.81	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

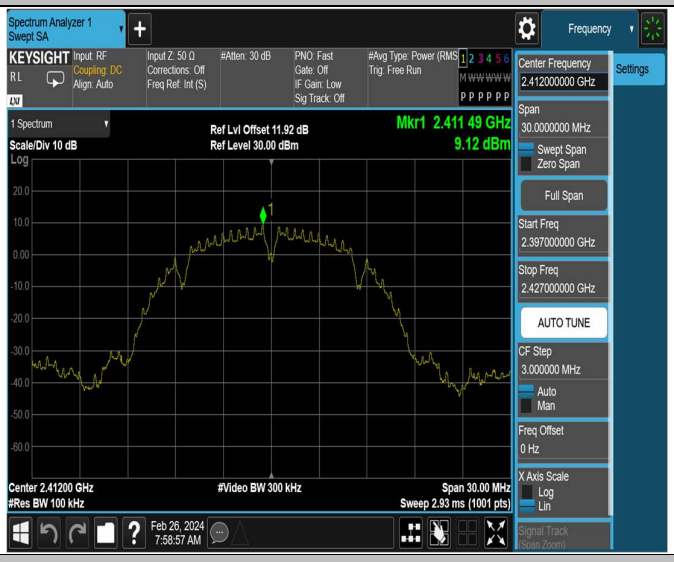
Appendix F: Conducted Spurious Emission

Test Result

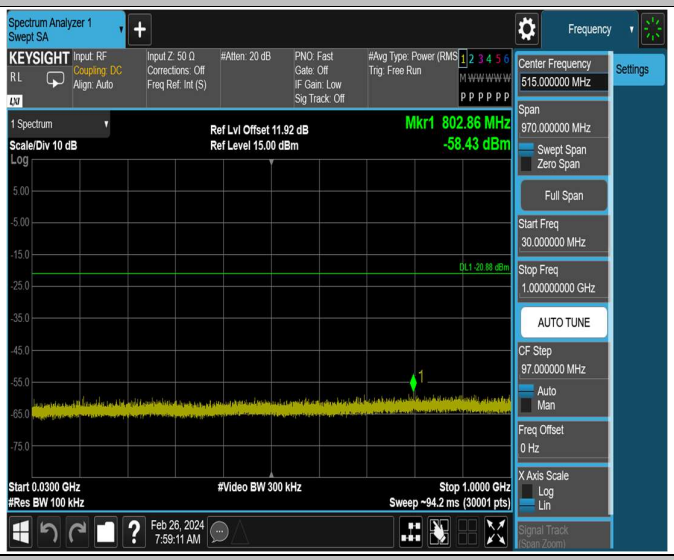
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	9.12	9.12	---	PASS
			30~1000	9.12	-58.43	≤-20.88	PASS
			1000~26500	9.12	-50.57	≤-20.88	PASS
		2437	Reference	7.89	7.89	---	PASS
			30~1000	7.89	-57.33	≤-22.11	PASS
			1000~26500	7.89	-49.69	≤-22.11	PASS
		2462	Reference	7.54	7.54	---	PASS
			30~1000	7.54	-58.3	≤-22.46	PASS
			1000~26500	7.54	-50.42	≤-22.46	PASS
11G	Ant1	2412	Reference	2.03	2.03	---	PASS
			30~1000	2.03	-58.19	≤-27.97	PASS
			1000~26500	2.03	-49.96	≤-27.97	PASS
		2437	Reference	2.01	2.01	---	PASS
			30~1000	2.01	-57.83	≤-27.99	PASS
			1000~26500	2.01	-50.63	≤-27.99	PASS
		2462	Reference	2.19	2.19	---	PASS
			30~1000	2.19	-57.18	≤-27.81	PASS
			1000~26500	2.19	-50.02	≤-27.81	PASS
11N20SISO	Ant1	2412	Reference	2.08	2.08	---	PASS
			30~1000	2.08	-57.94	≤-27.92	PASS
			1000~26500	2.08	-50.23	≤-27.92	PASS
		2437	Reference	2.06	2.06	---	PASS
			30~1000	2.06	-58.43	≤-27.94	PASS
			1000~26500	2.06	-50.58	≤-27.94	PASS
		2462	Reference	2.12	2.12	---	PASS
			30~1000	2.12	-57.87	≤-27.88	PASS
			1000~26500	2.12	-49.76	≤-27.88	PASS

Test Graphs

11B_Ant1_2412_0~Reference



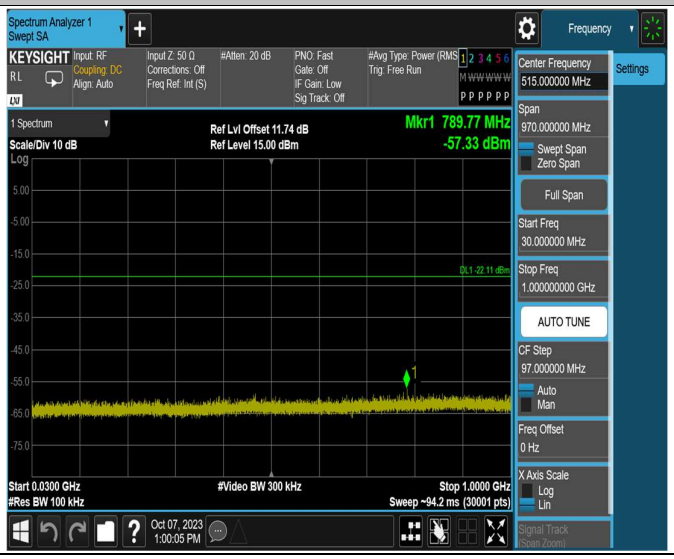
11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

11B_Ant1_2437_0~Reference

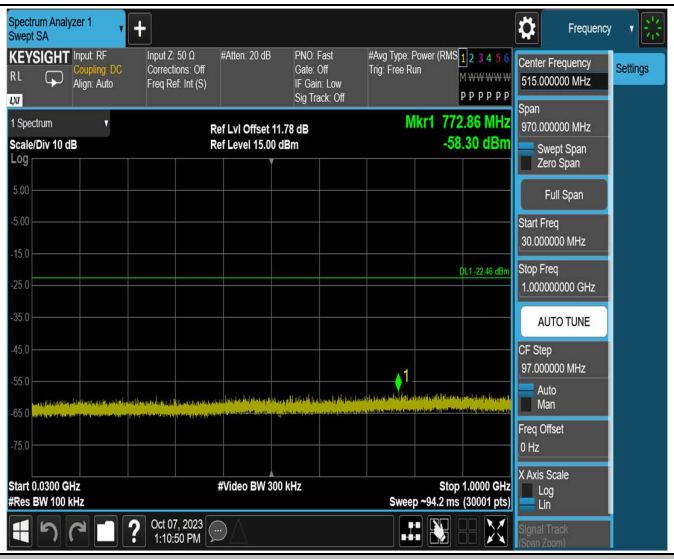
11B_Ant1_2437_30~1000

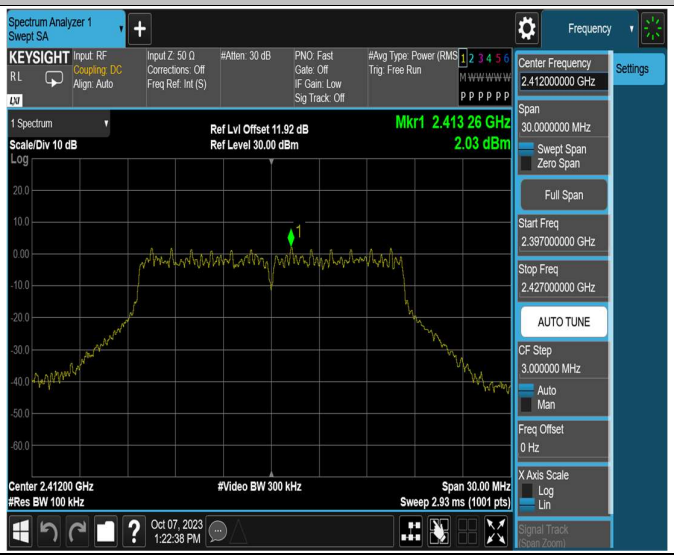


11B_Ant1_2437_1000~26500

11B_Ant1_2462_0~Reference

11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500

11G_Ant1_2412_0~Reference