

Case No.: 230302476SHA-001
FCC ID: 2A64B-DEX86
IC: 28593-DEX86

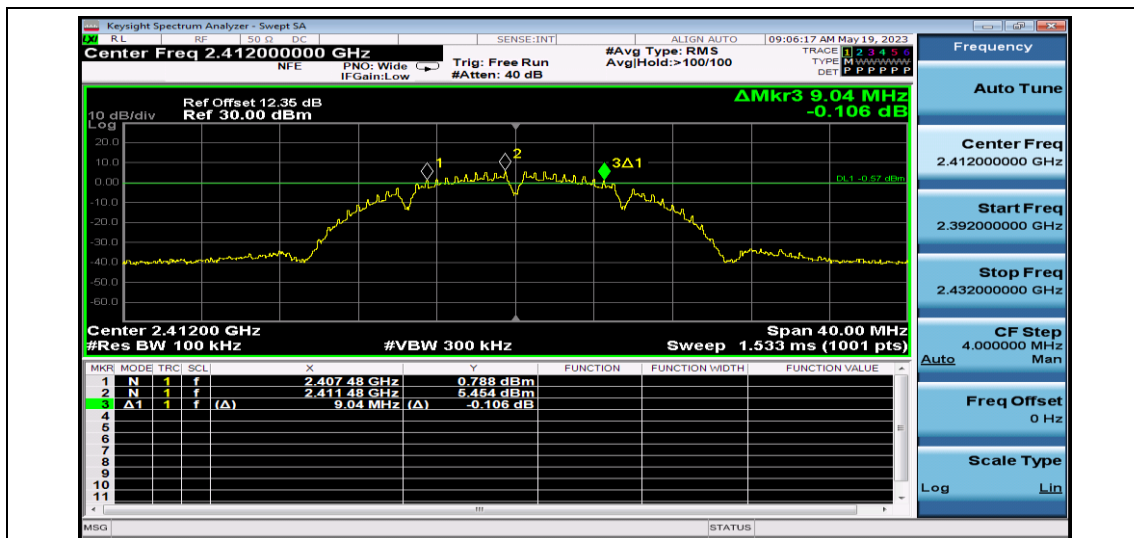
Appendix A:

DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	0.5	PASS
		2437	9.560	2432.440	2442.000	0.5	PASS
		2462	9.560	2456.960	2466.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.160	2403.600	2420.760	0.5	PASS
		2437	17.320	2428.440	2445.760	0.5	PASS
		2462	17.520	2453.240	2470.760	0.5	PASS
11N40SISO	Ant1	2422	35.200	2404.400	2439.600	0.5	PASS
		2437	35.200	2419.400	2454.600	0.5	PASS
		2452	35.200	2434.400	2469.600	0.5	PASS

Test Graphs



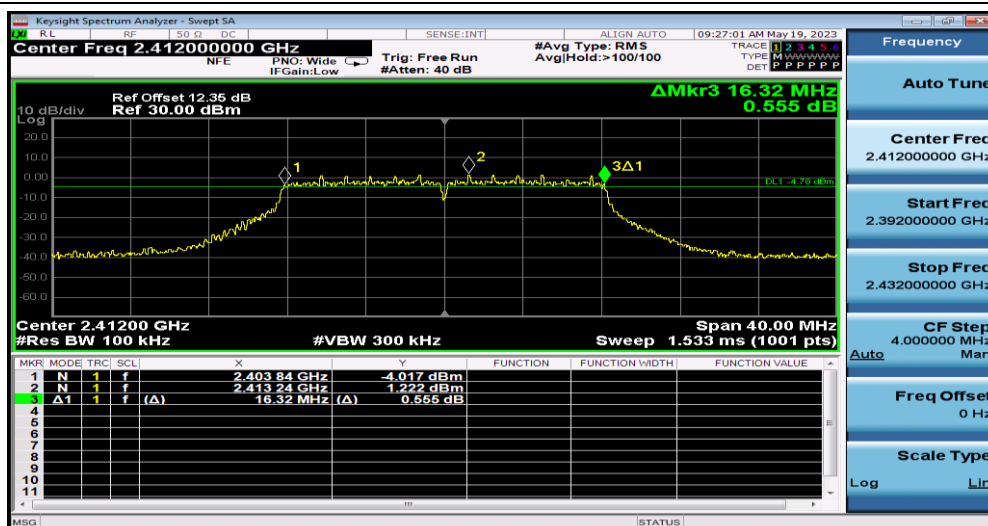
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



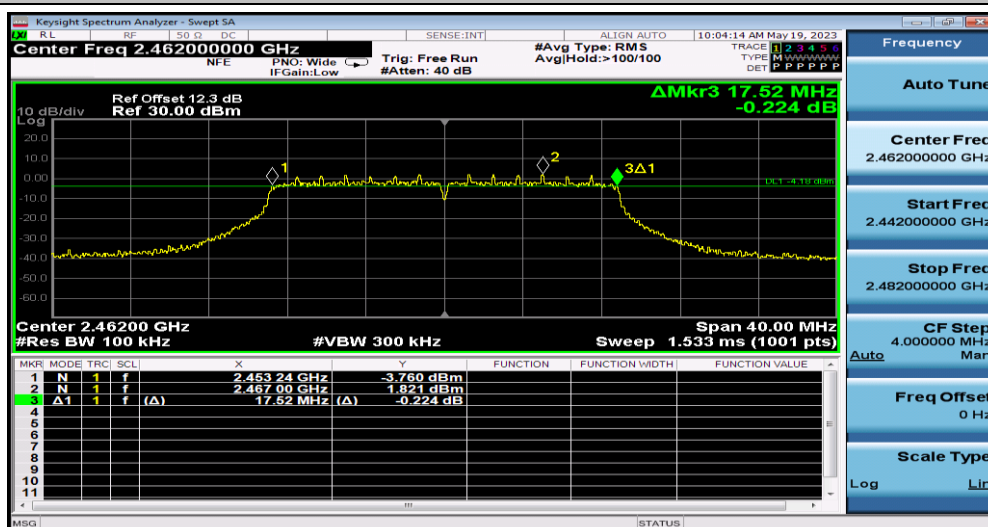
11G_Ant1_2462



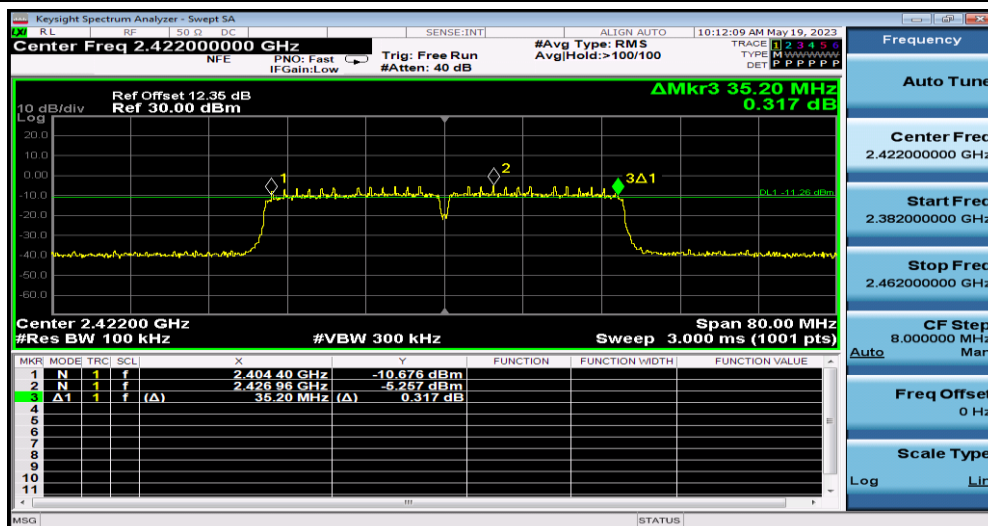
11N20SISO_Ant1_2412



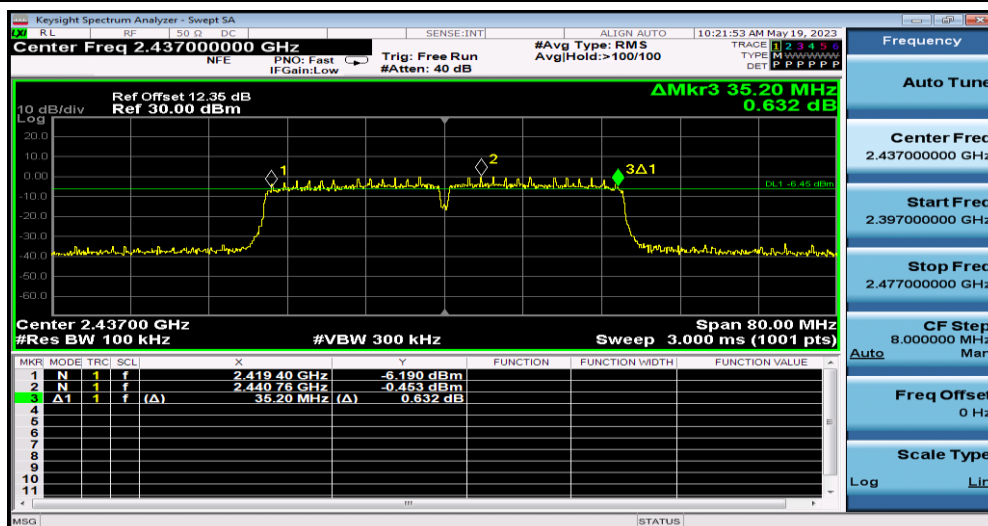
11N20SISO_Ant1_2437



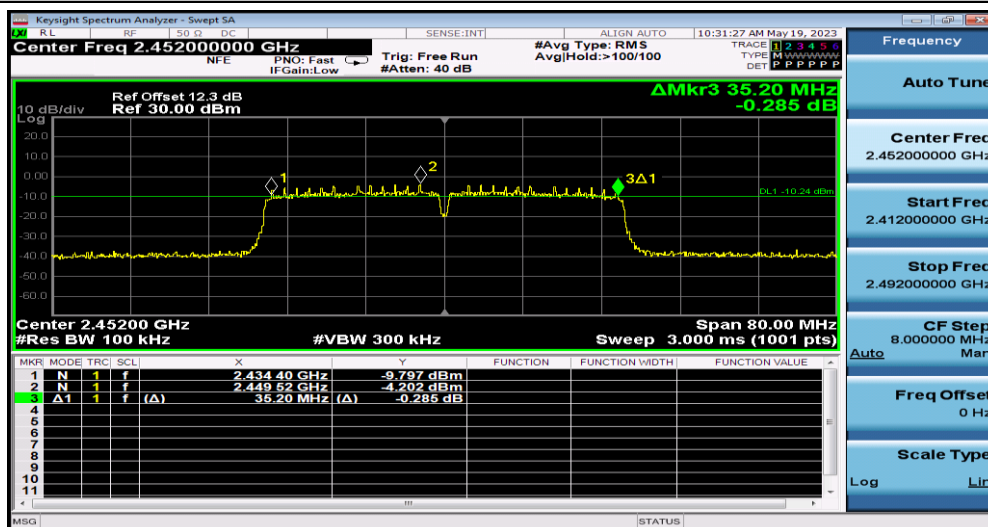
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



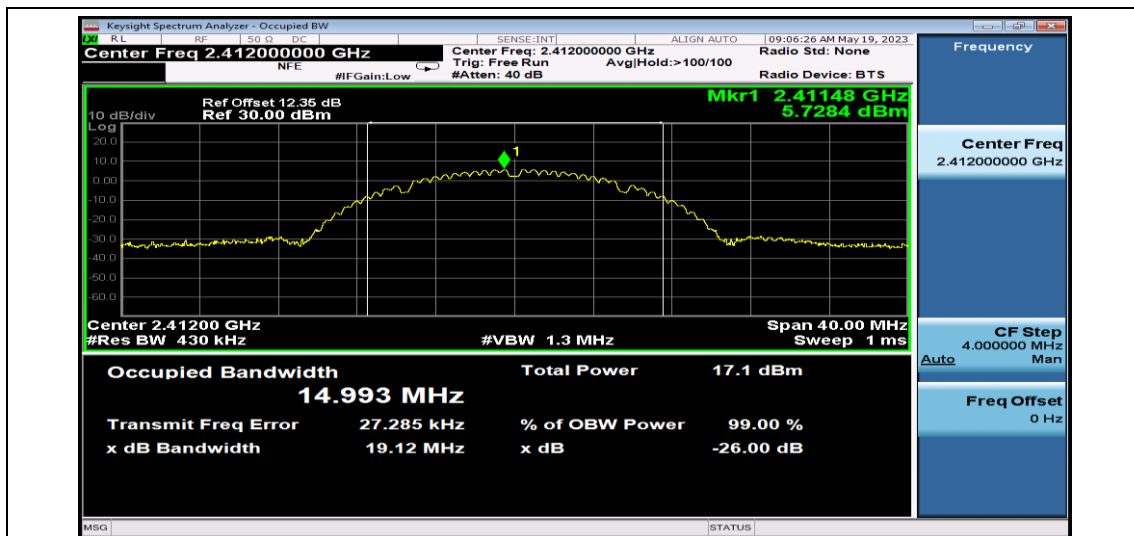
11N40SISO_Ant1_2452

Occupied Channel Bandwidth

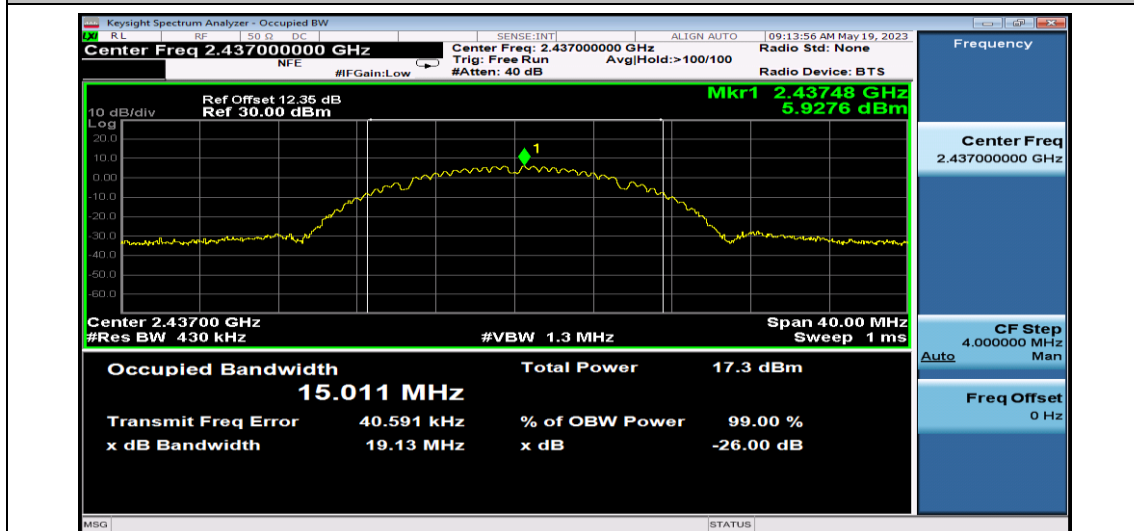
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.983	2404.536	2419.519	---	---
		2437	15.002	2429.540	2444.542	---	---
		2462	15.027	2454.483	2469.510	---	---
11G	Ant1	2412	17.547	2403.107	2420.654	---	---
		2437	17.349	2428.390	2445.739	---	---
		2462	17.519	2453.190	2470.709	---	---
11N20SISO	Ant1	2412	18.364	2402.777	2421.141	---	---
		2437	18.243	2427.946	2446.189	---	---
		2462	18.222	2452.852	2471.074	---	---
11N40SISO	Ant1	2422	36.013	2404.038	2440.051	---	---
		2437	35.951	2419.055	2455.006	---	---
		2452	35.974	2434.001	2469.975	---	---

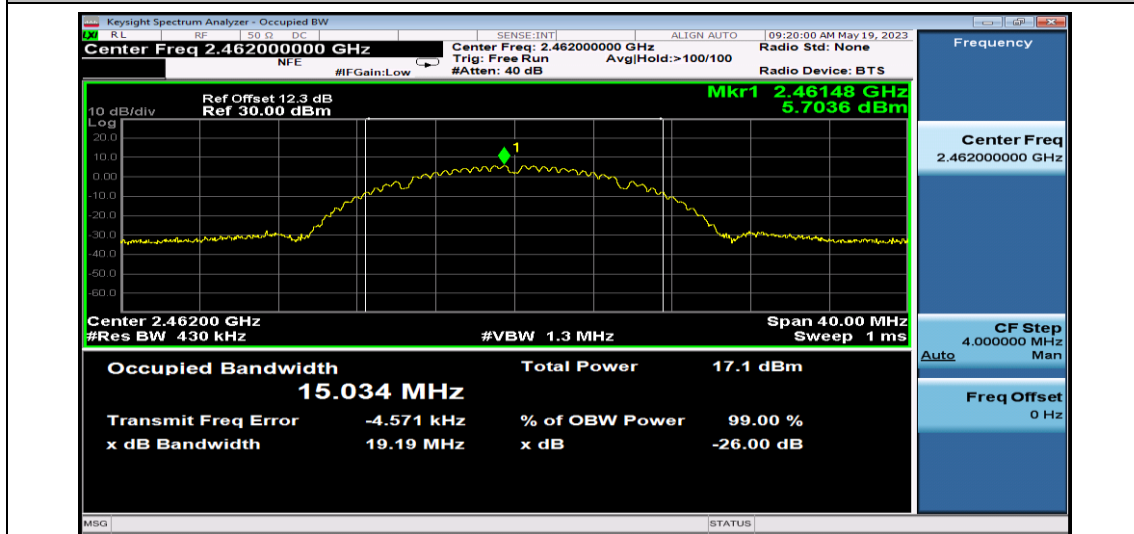
Test Graphs



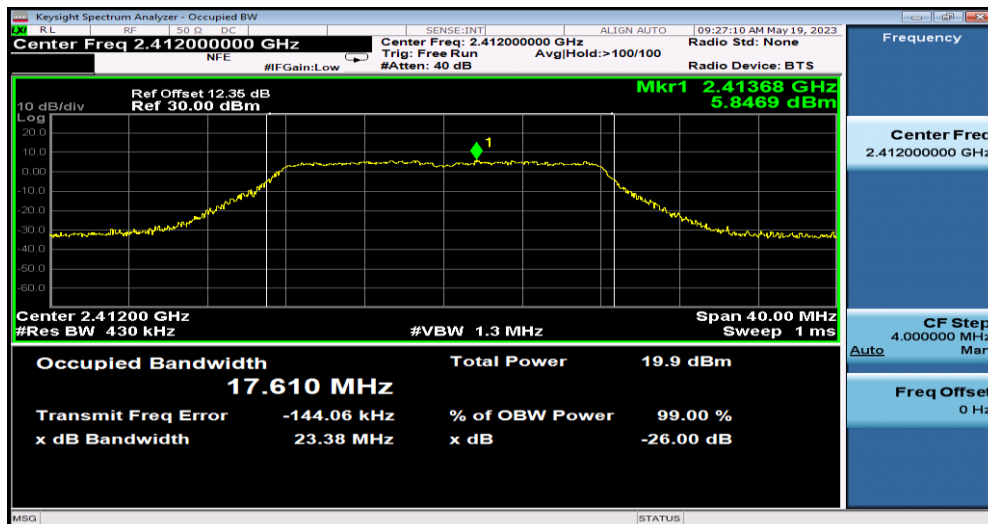
11B_Ant1_2412



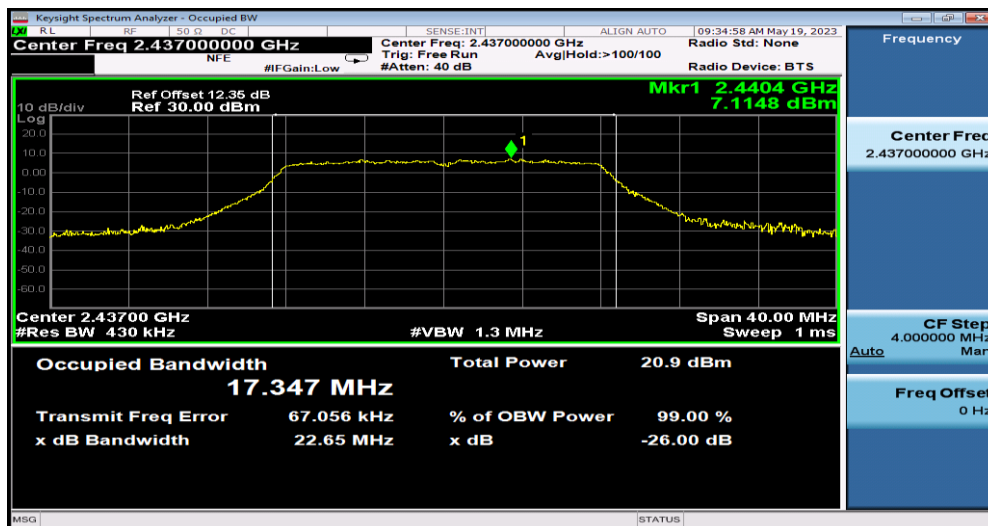
11B_Ant1_2437



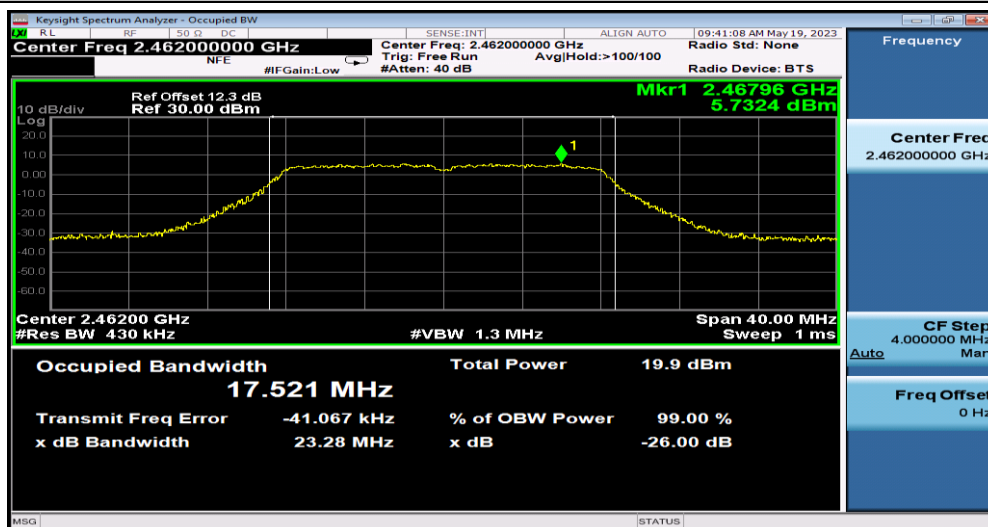
11B_Ant1_2462



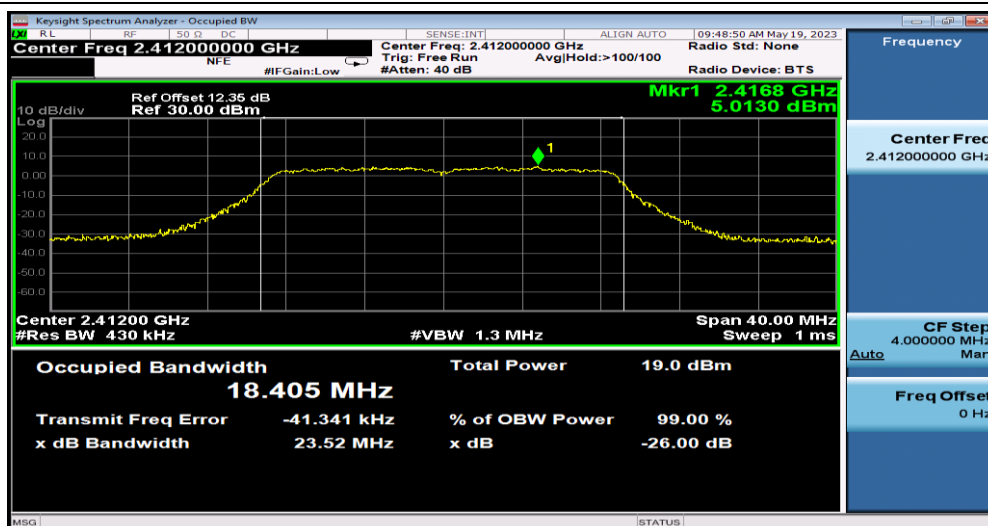
11G_Ant1_2412



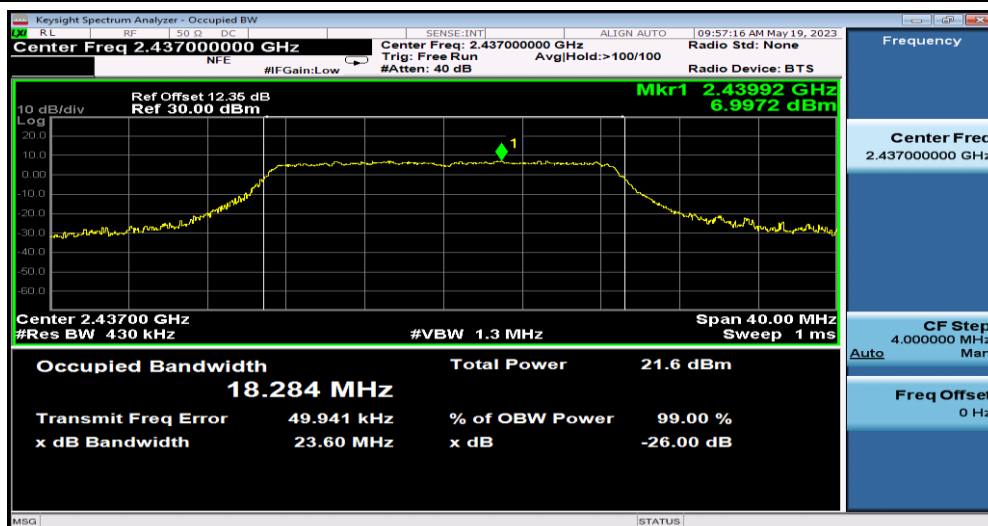
11G_Ant1_2437



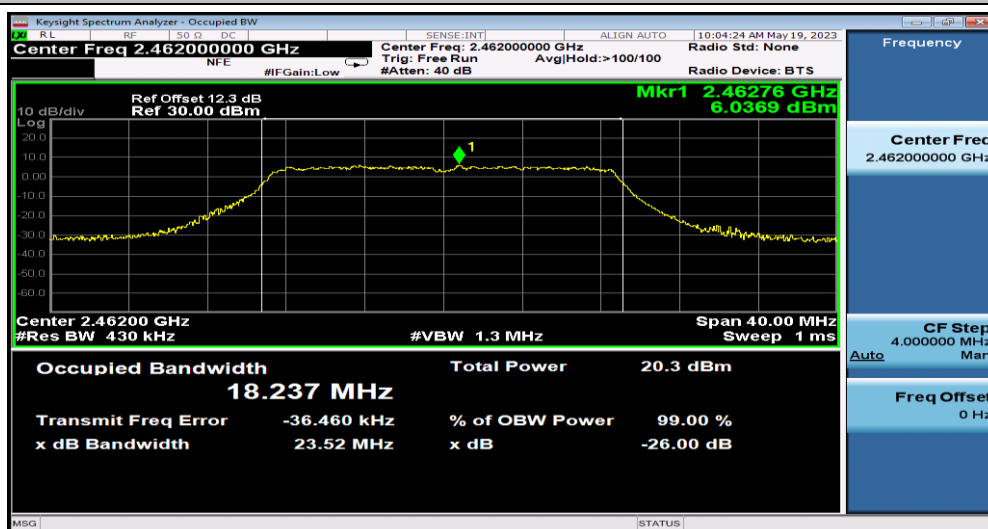
11G_Ant1_2462



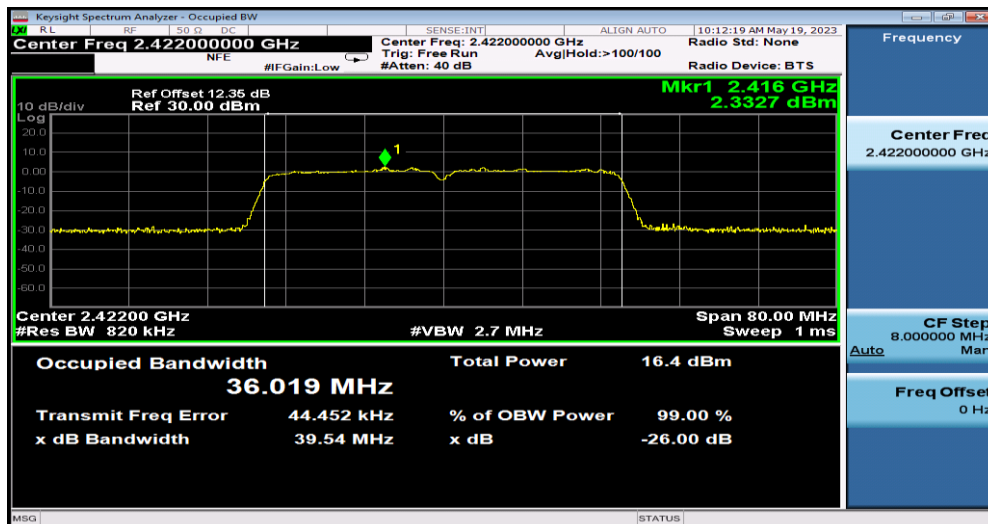
11N20SISO_Ant1_2412



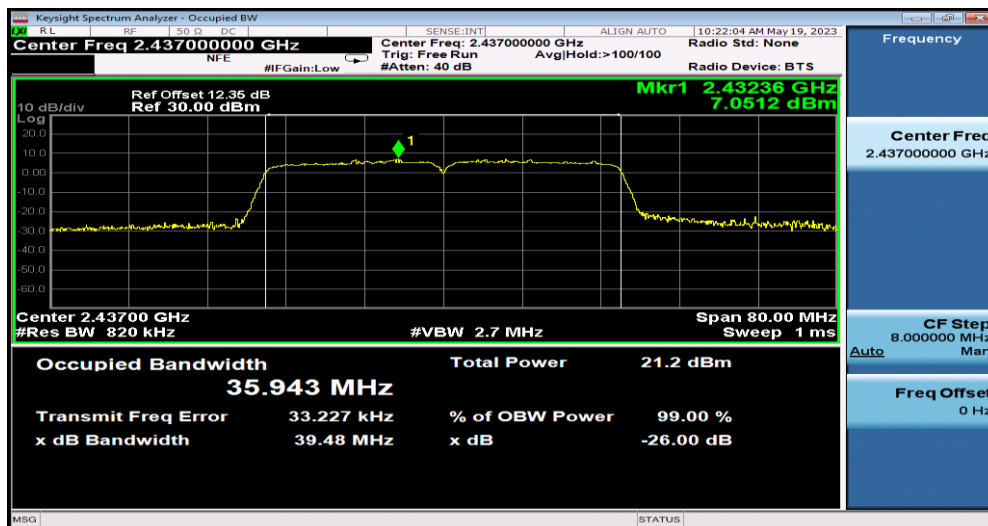
11N20SISO_Ant1_2437



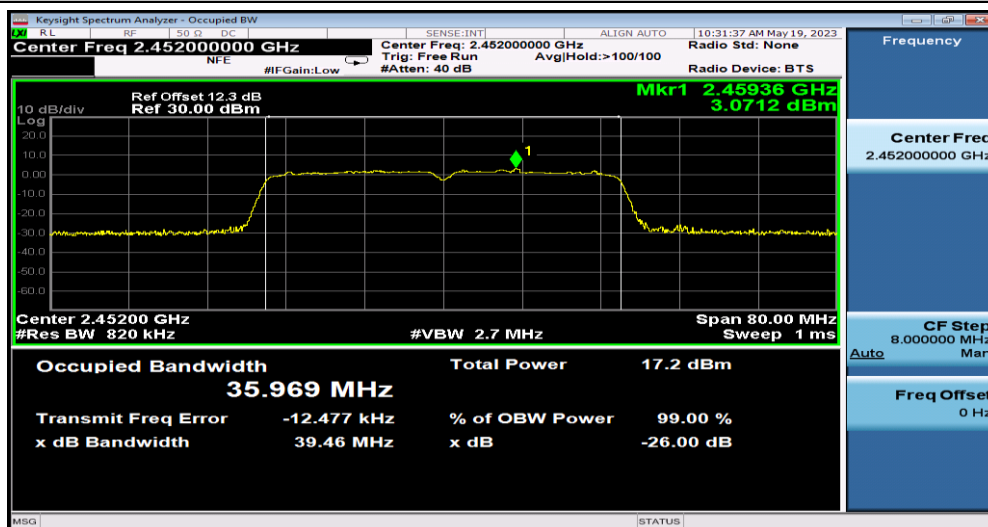
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



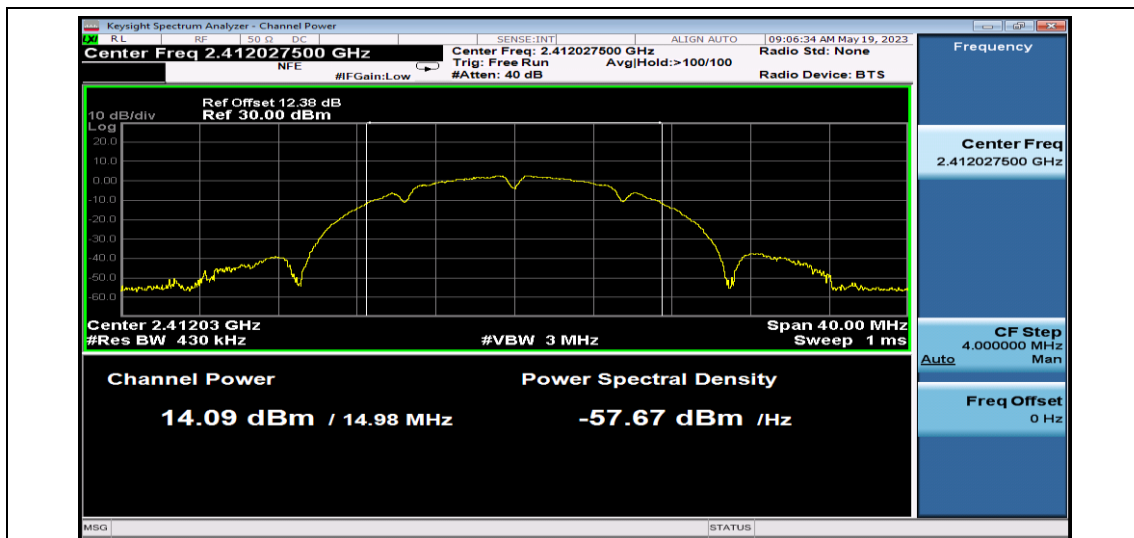
11N40SISO_Ant1_2452

Maximum conducted output power

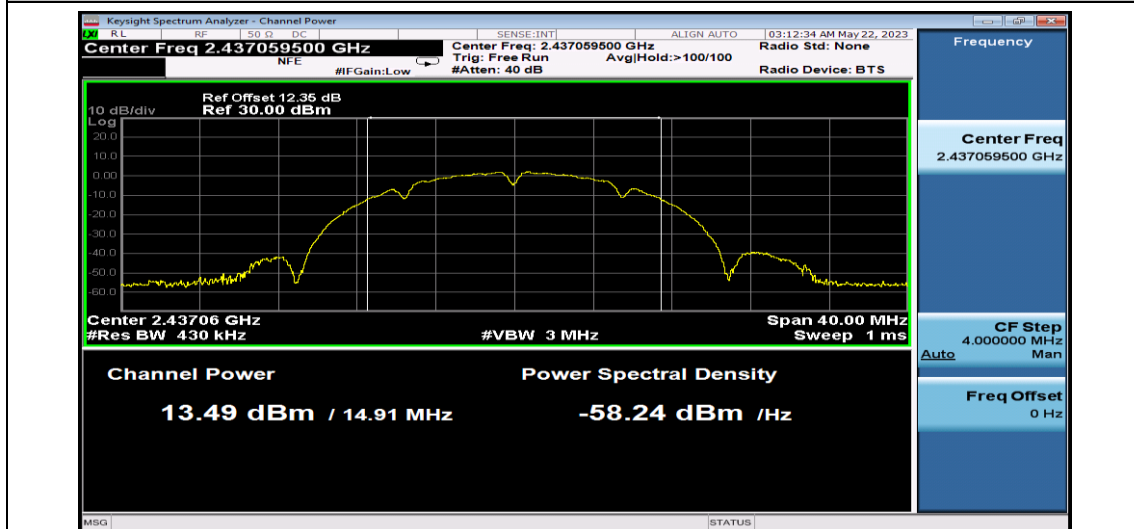
Test Result Average

TestMode	Antenna	Frequen cy[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	14.08	≤30.00	17.95	≤36.00	PASS
		2437	13.49	≤30.00	17.36	≤36.00	PASS
		2462	14.03	≤30.00	17.90	≤36.00	PASS
11G	Ant1	2412	12.72	≤30.00	16.59	≤36.00	PASS
		2437	13.00	≤30.00	16.87	≤36.00	PASS
		2462	13.06	≤30.00	16.93	≤36.00	PASS
11N20SIS O	Ant1	2412	11.54	≤30.00	15.41	≤36.00	PASS
		2437	12.47	≤30.00	16.34	≤36.00	PASS
		2462	13.36	≤30.00	17.23	≤36.00	PASS
11N40SIS O	Ant1	2422	8.99	≤30.00	12.86	≤36.00	PASS
		2437	9.62	≤30.00	14.66	≤36.00	PASS
		2452	9.73	≤30.00	13.60	≤36.00	PASS

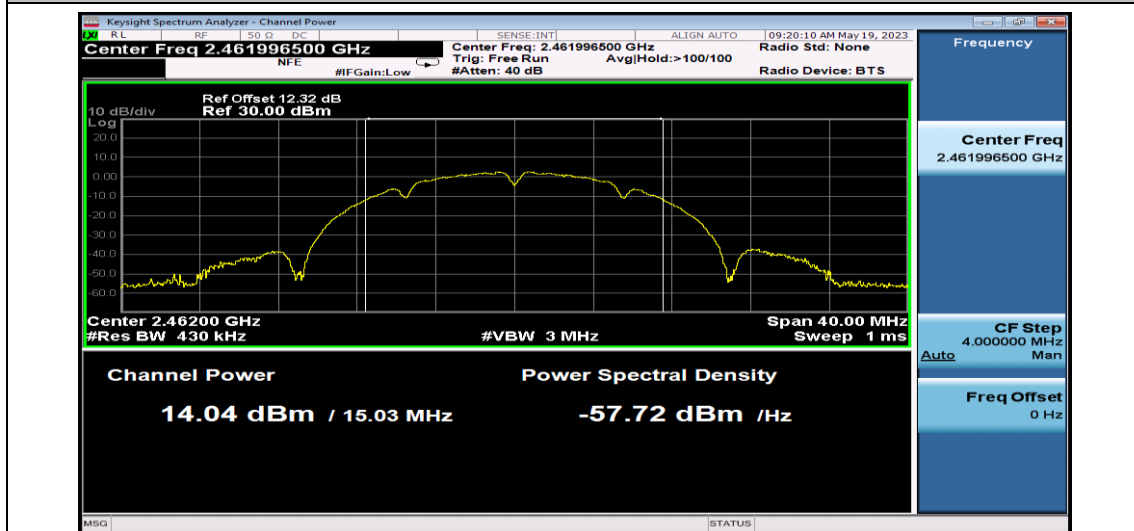
Test Graphs



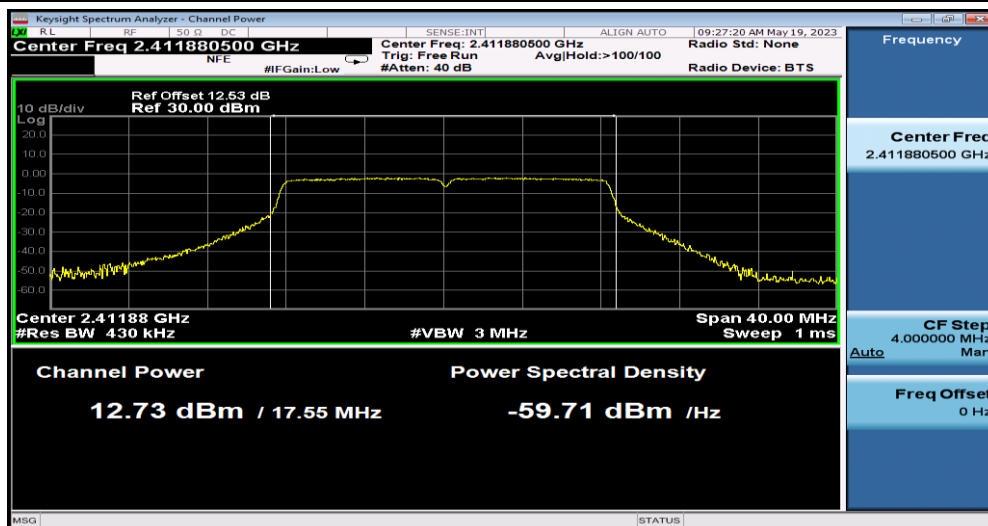
11B_Ant1_2412



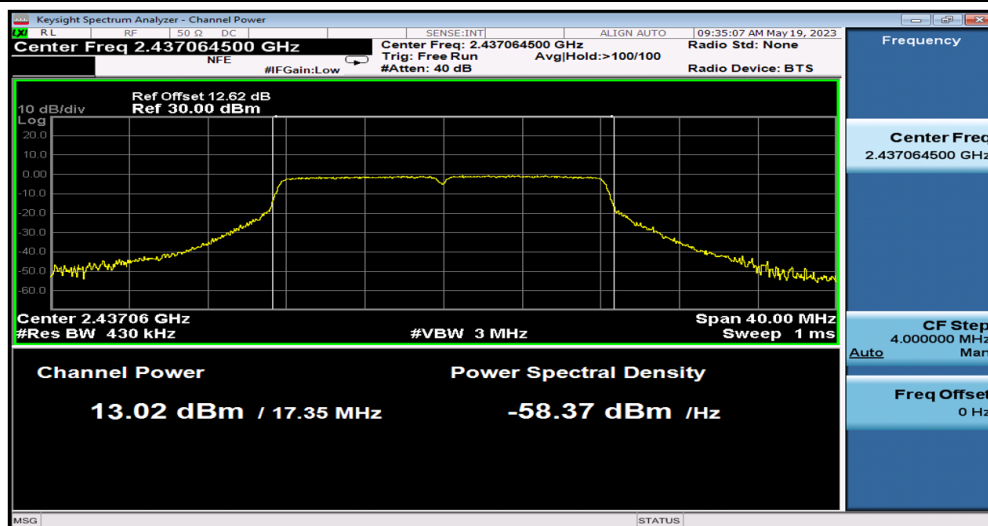
11B_Ant1_2437



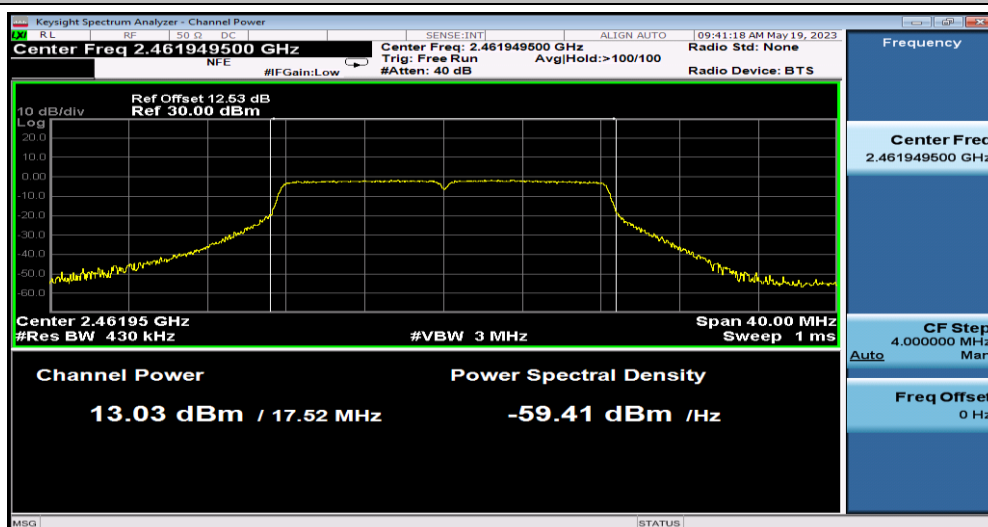
11B_Ant1_2462



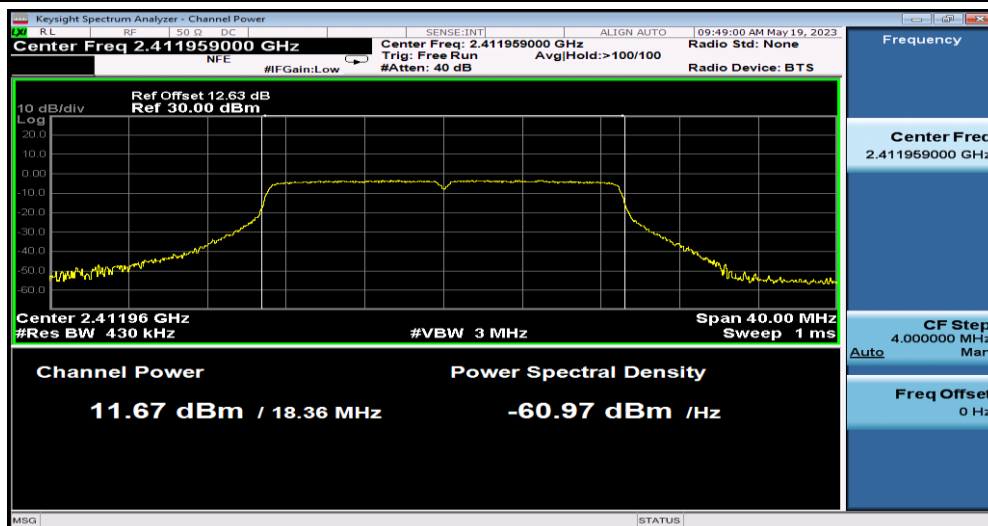
11G_Ant1_2412



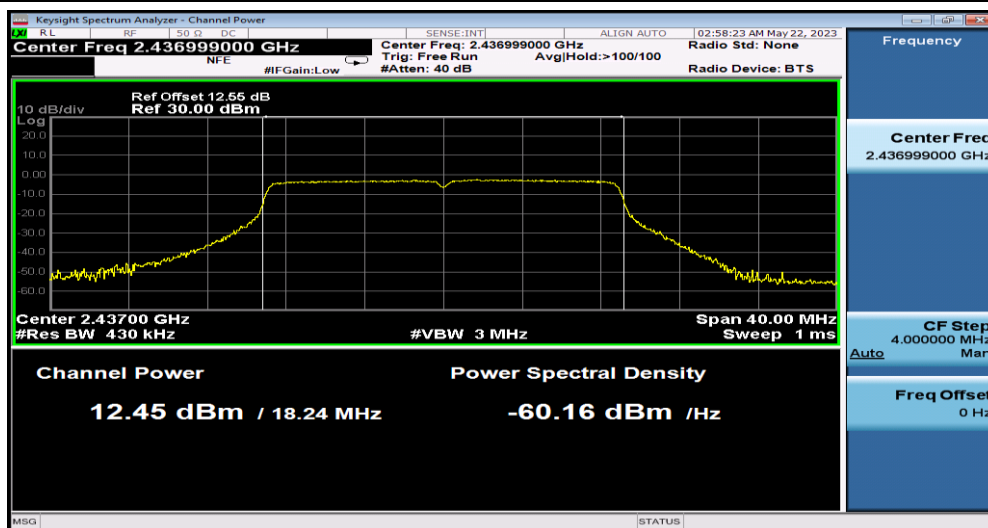
11G_Ant1_2437



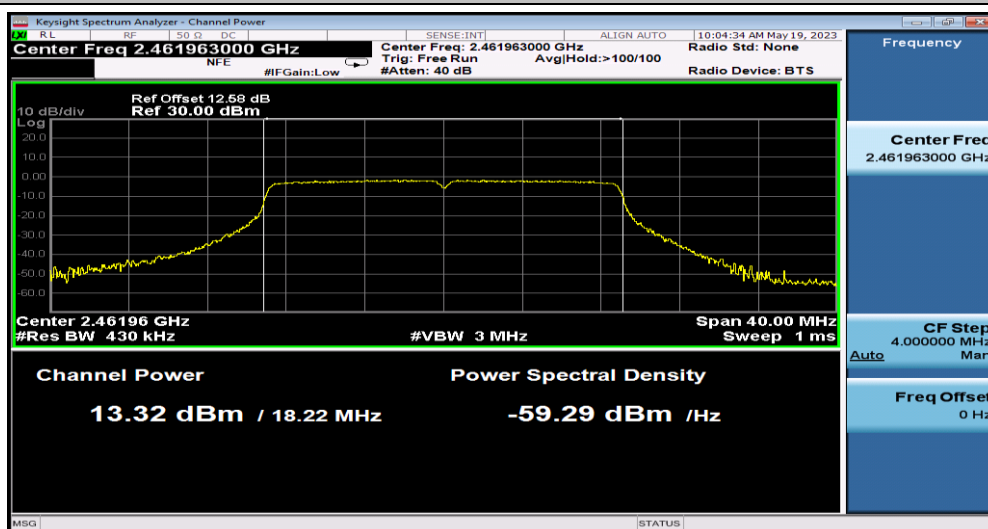
11G_Ant1_2462



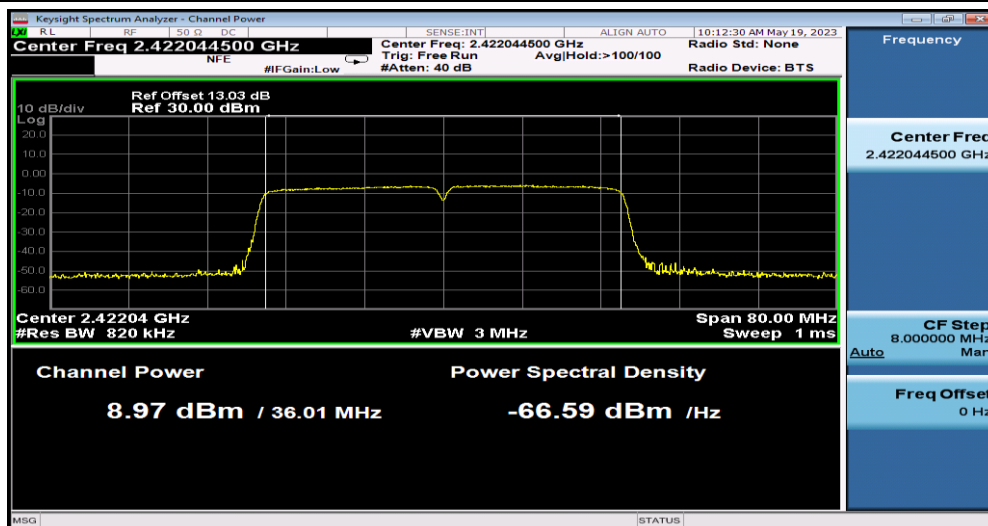
11N20SISO_Ant1_2412



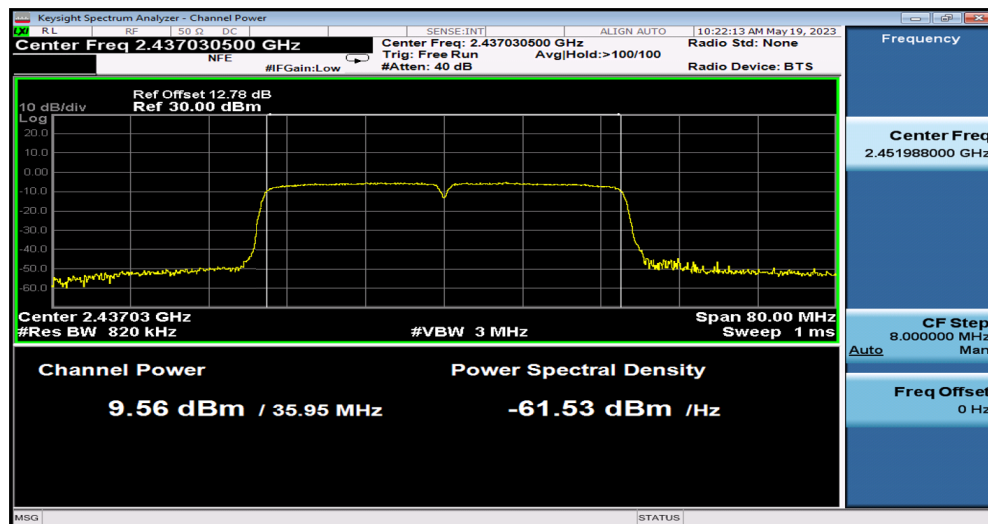
11N20SISO_Ant1_2437



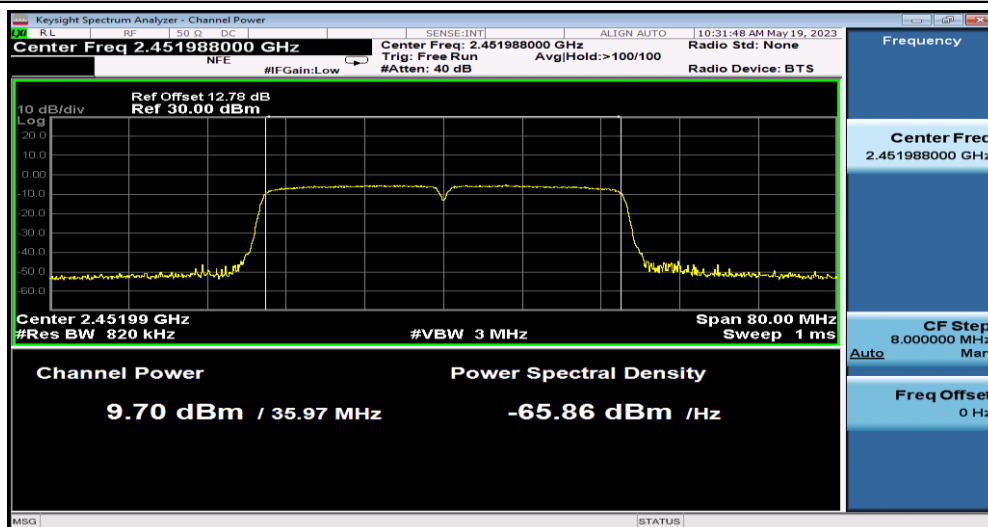
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



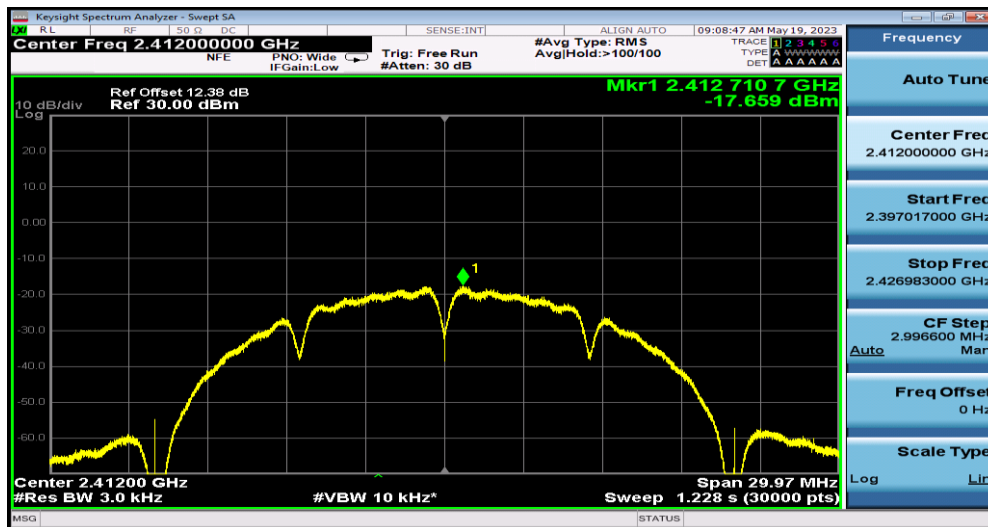
11N40SISO_Ant1_2452

Maximum power spectral density

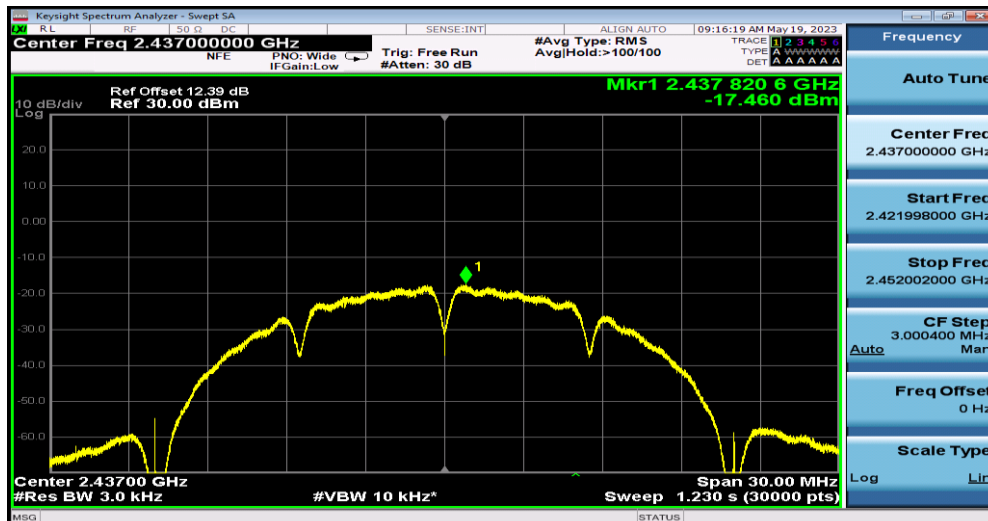
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.66	≤8.00	PASS
		2437	-17.49	≤8.00	PASS
		2462	-17.69	≤8.00	PASS
11G	Ant1	2412	-19.02	≤8.00	PASS
		2437	-17.70	≤8.00	PASS
		2462	-18.20	≤8.00	PASS
11N20SISO	Ant1	2412	-18.87	≤8.00	PASS
		2437	-17.65	≤8.00	PASS
		2462	-17.74	≤8.00	PASS
11N40SISO	Ant1	2422	-24.40	≤8.00	PASS
		2437	-22.80	≤8.00	PASS
		2452	-23.83	≤8.00	PASS

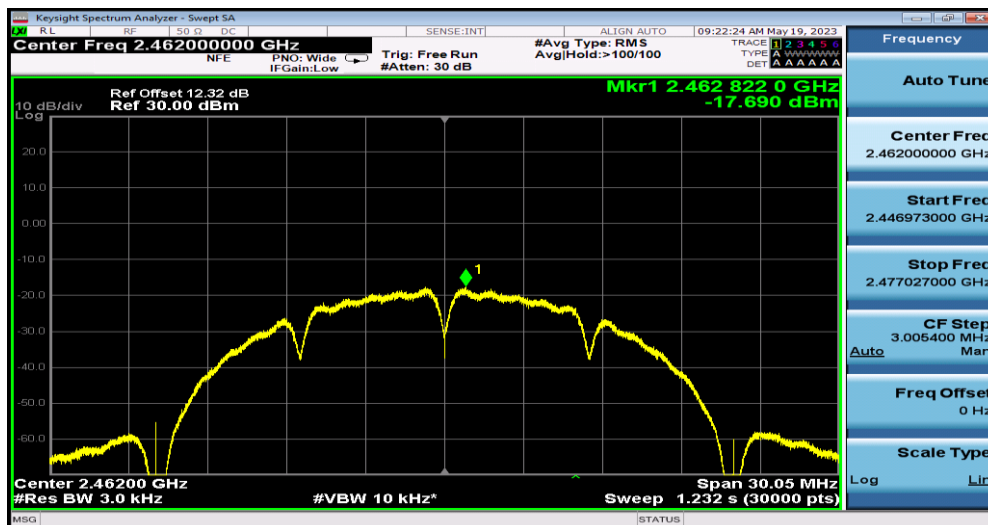
Test Graphs



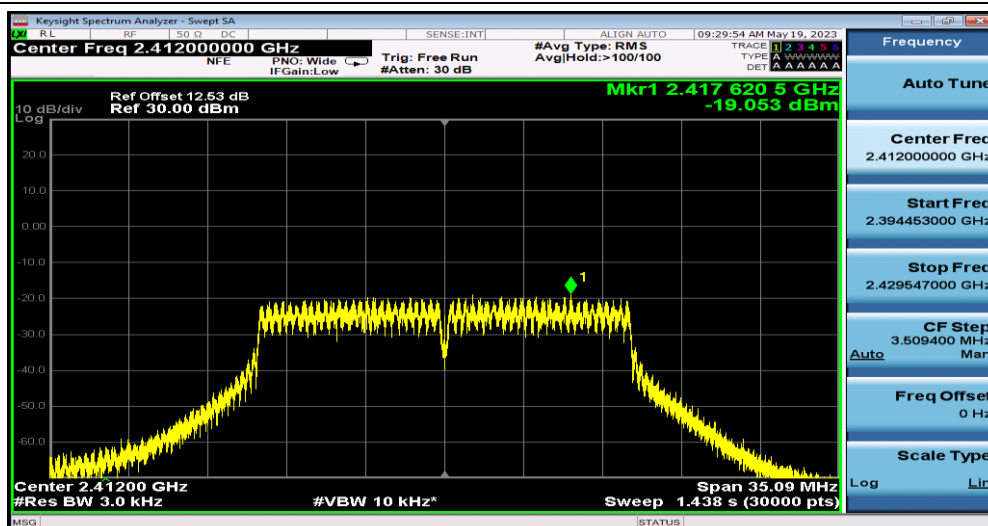
11B_Ant1_2412



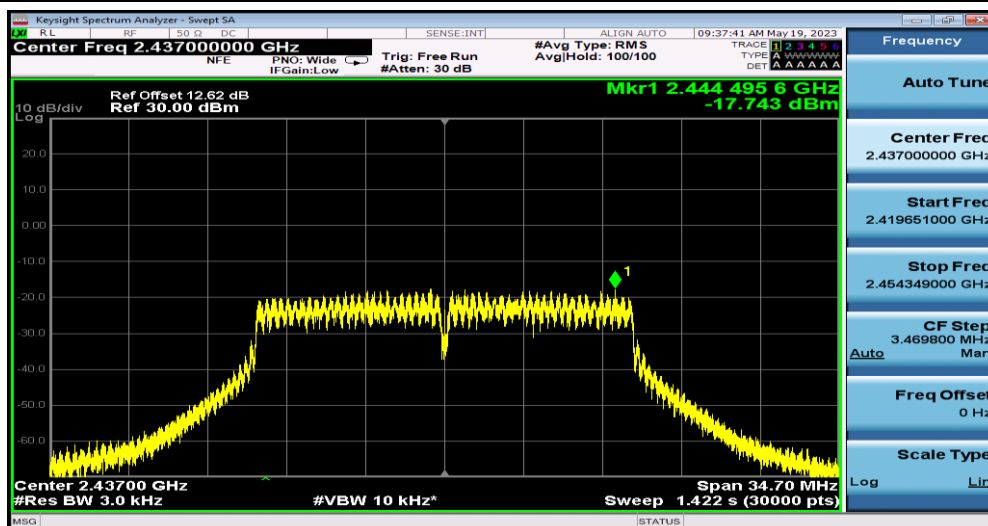
11B_Ant1_2437



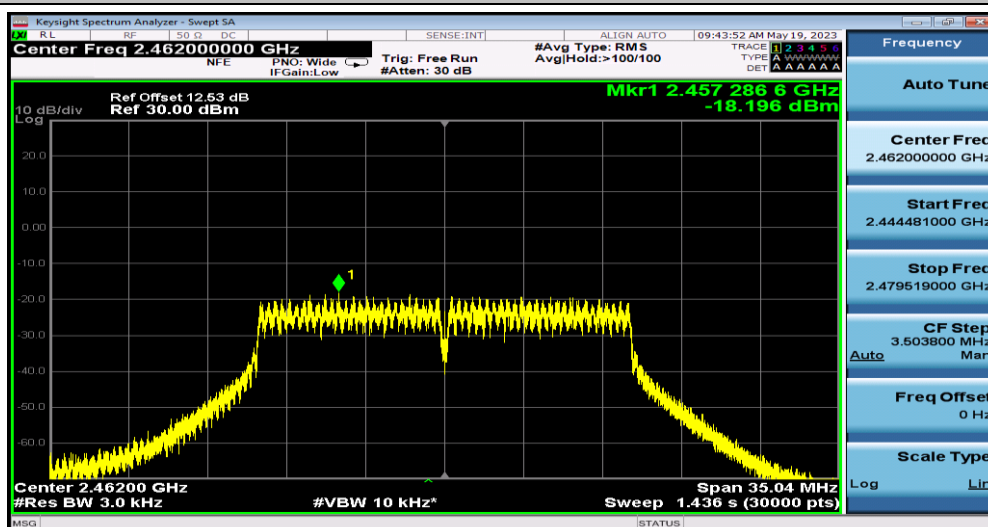
11B_Ant1_2462



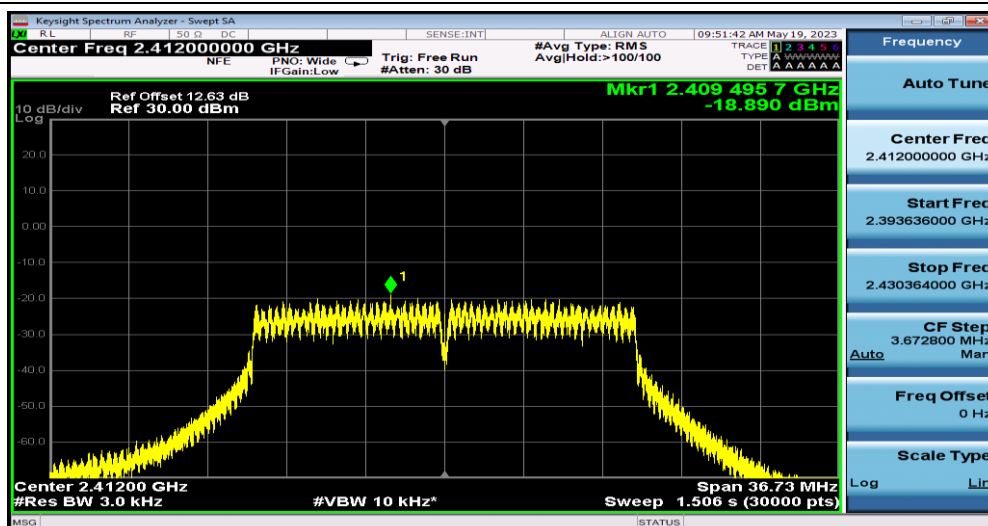
11G_Ant1_2412



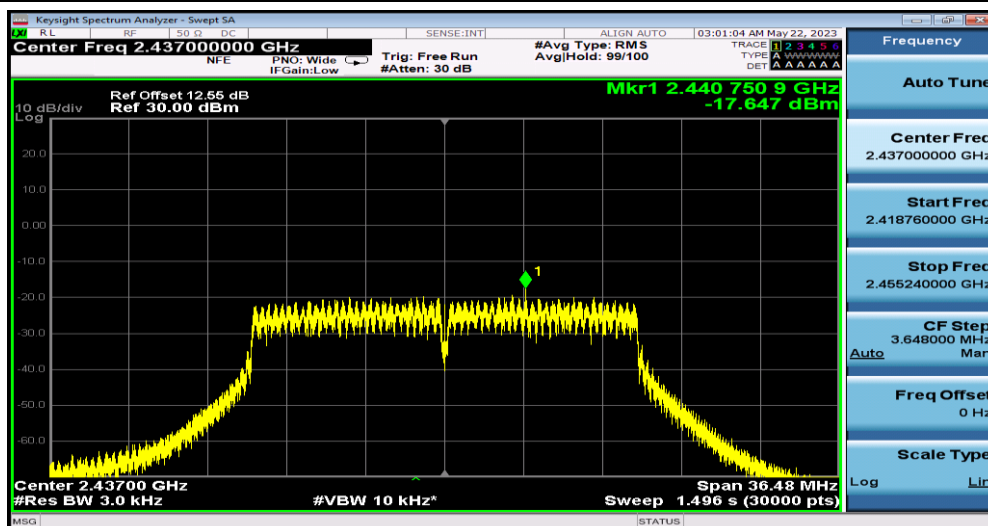
11G_Ant1_2437



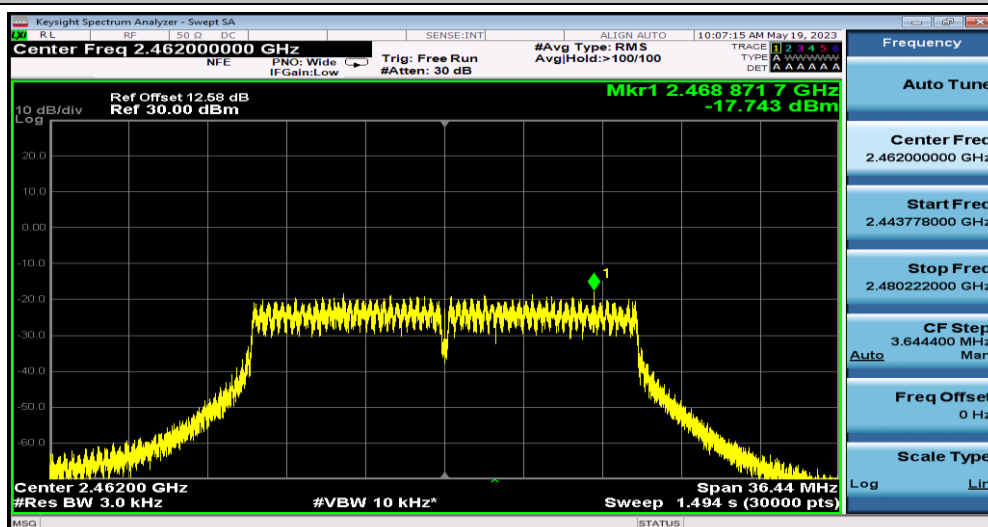
11G_Ant1_2462



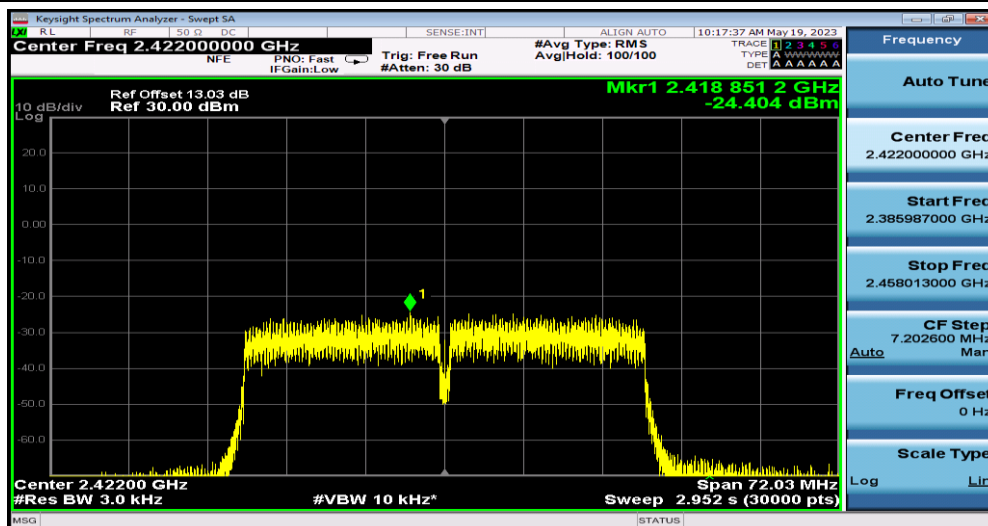
11N20SISO_Ant1_2412



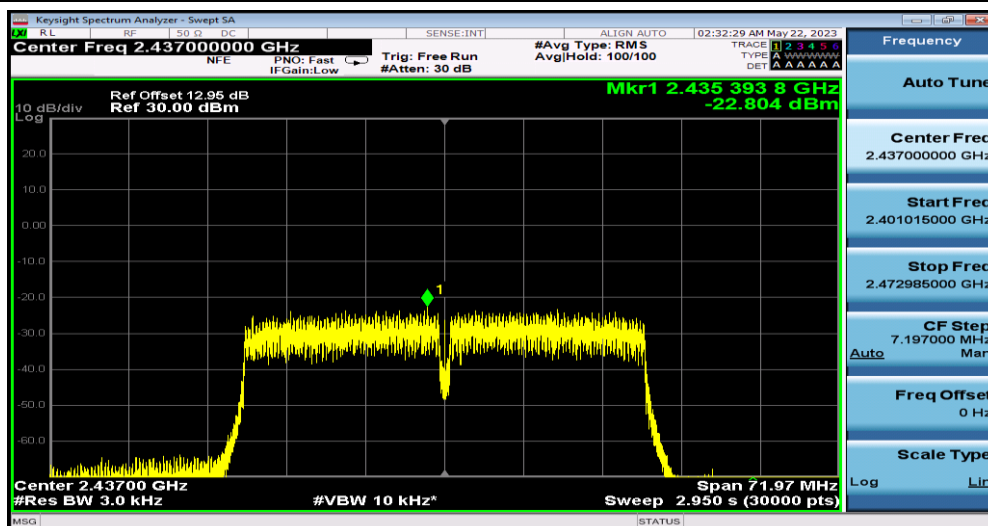
11N20SISO_Ant1_2437



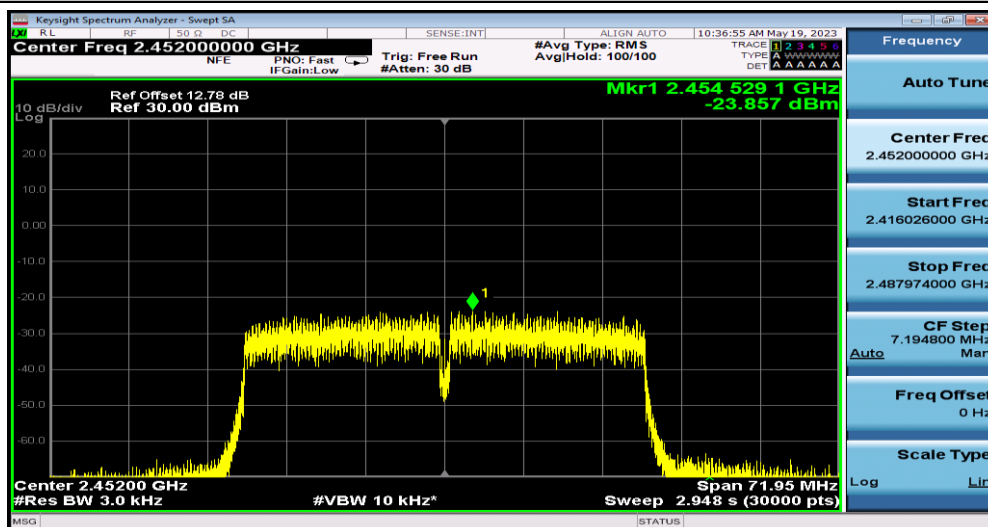
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



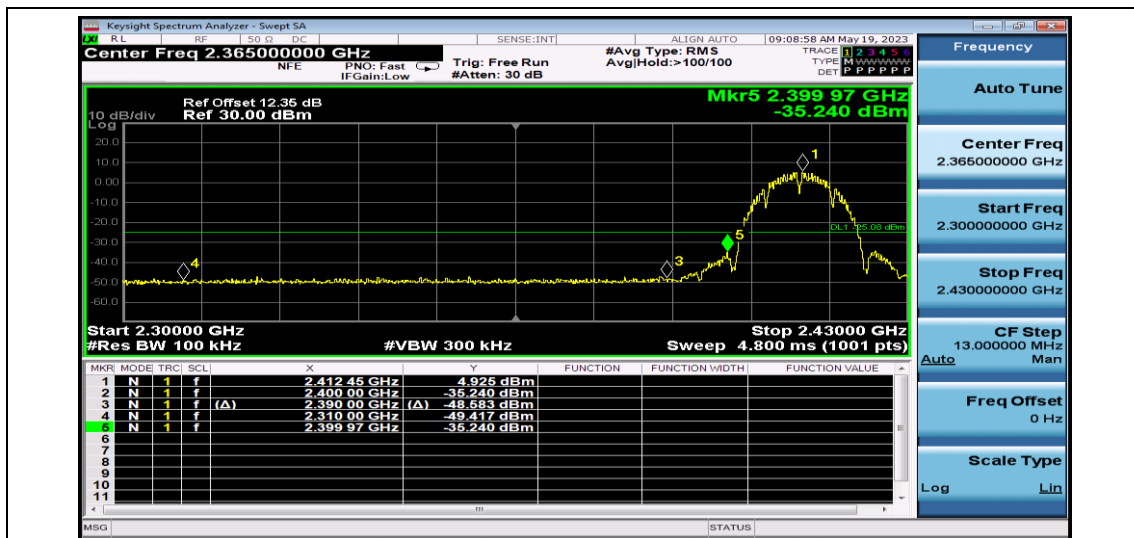
11N40SISO_Ant1_2452

Band edge measurements

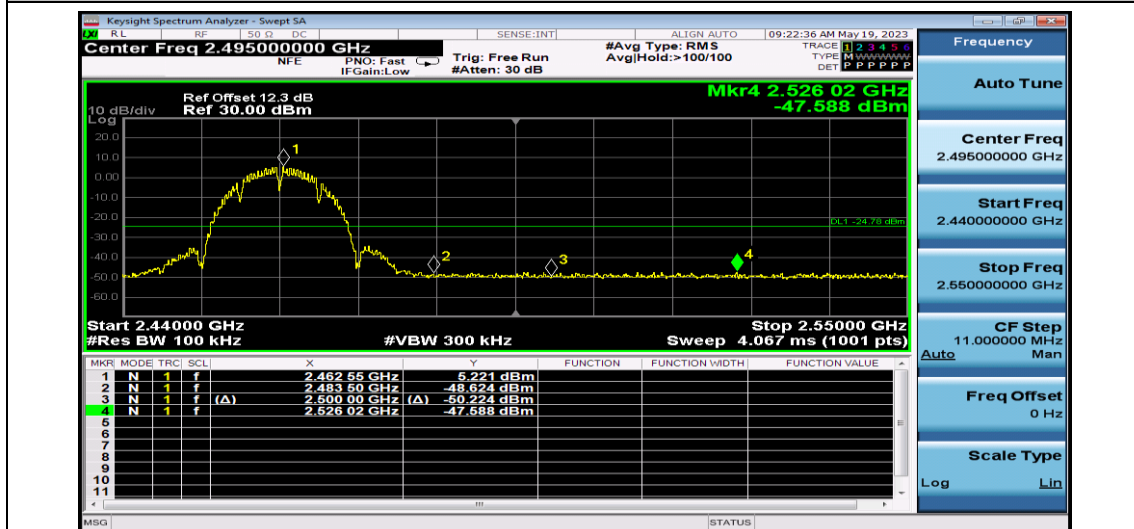
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.93	-35.24	≤-25.08	PASS
		High	2462	5.22	-47.59	≤-24.78	PASS
11G	Ant1	Low	2412	1.23	-31.19	≤-28.77	PASS
		High	2462	1.47	-46.13	≤-28.53	PASS
11N20SISO	Ant1	Low	2412	0.56	-33.46	≤-29.44	PASS
		High	2462	1.85	-42.47	≤-28.15	PASS
11N40SISO	Ant1	Low	2422	-5.15	-43.3	≤-35.15	PASS
		High	2452	-4.18	-42.81	≤-34.18	PASS

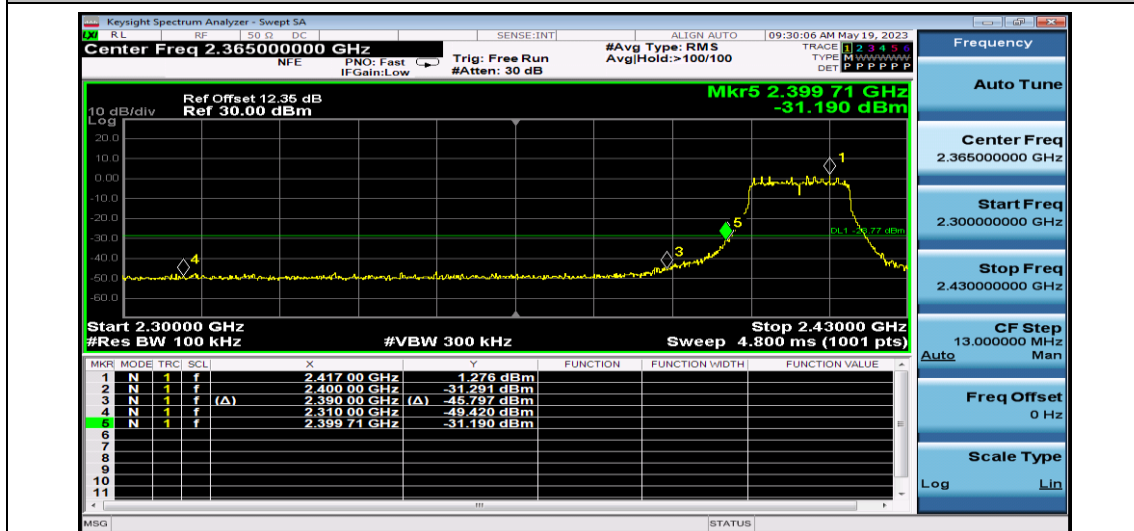
Test Graphs



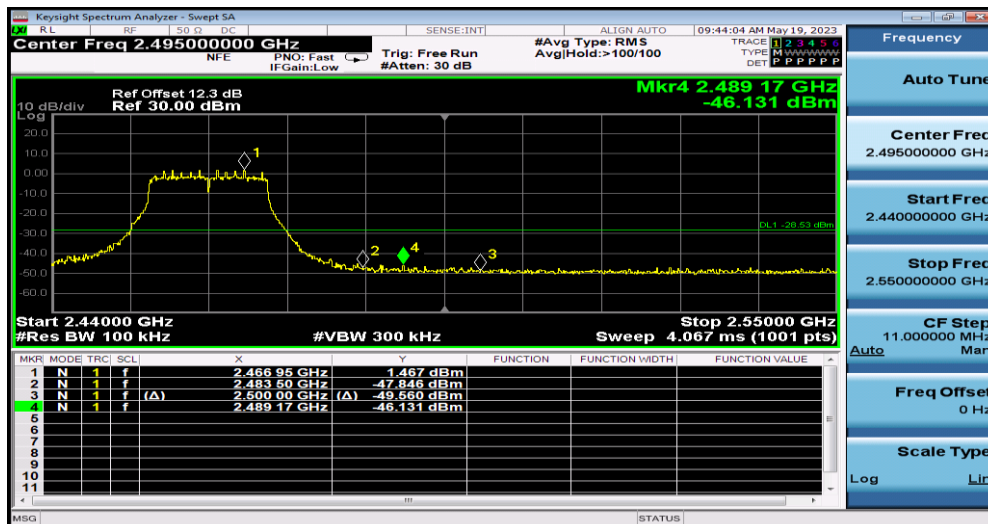
11B_Ant1_Low_2412



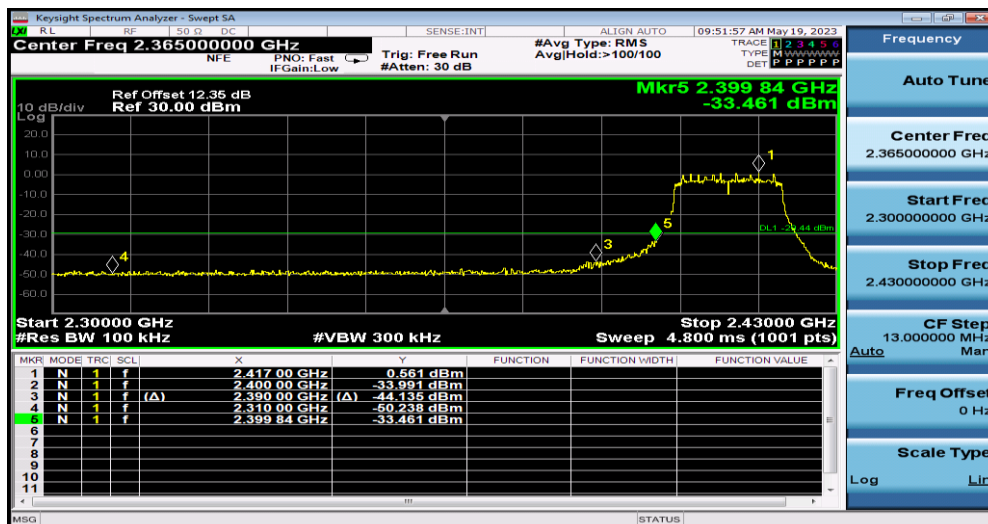
11B_Ant1_High_2462



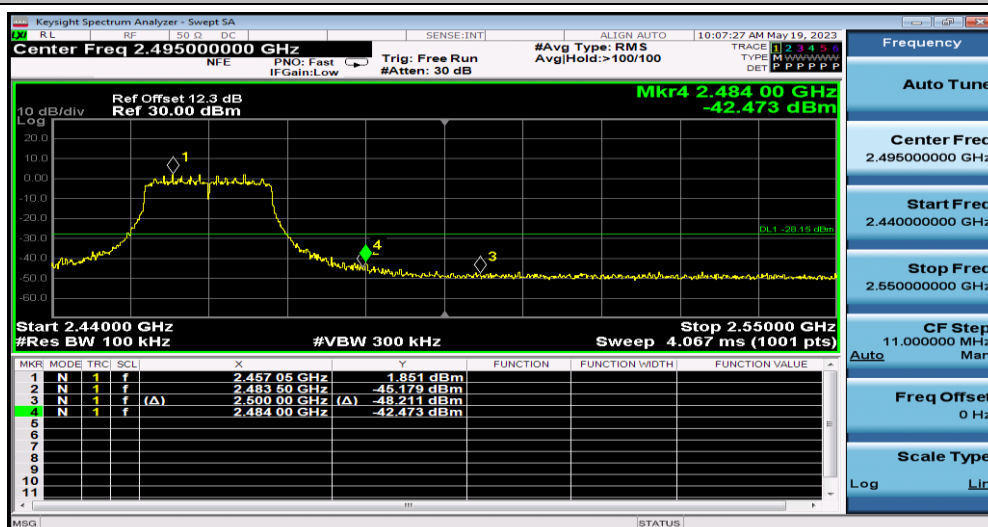
11G_Ant1_Low_2412



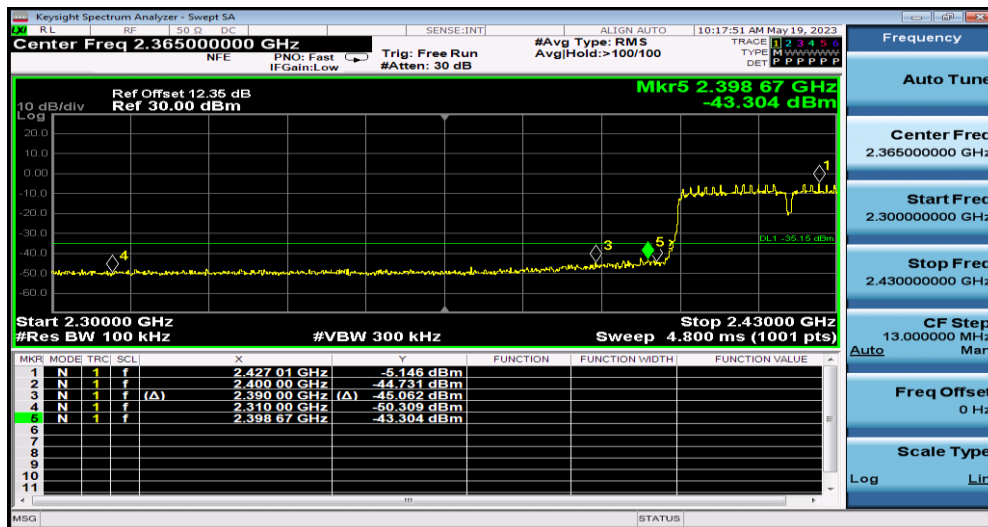
11G_Ant1_High_2462



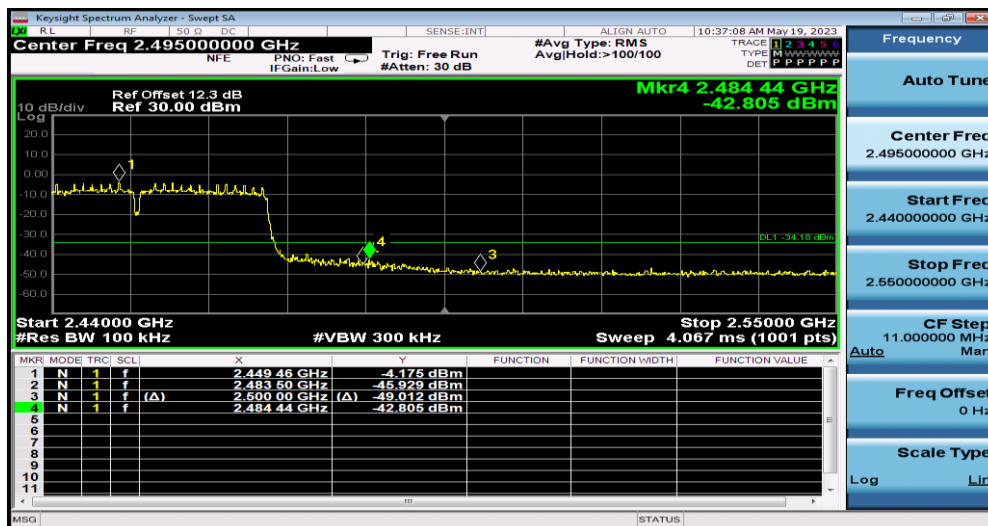
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

Conducted Spurious Emission

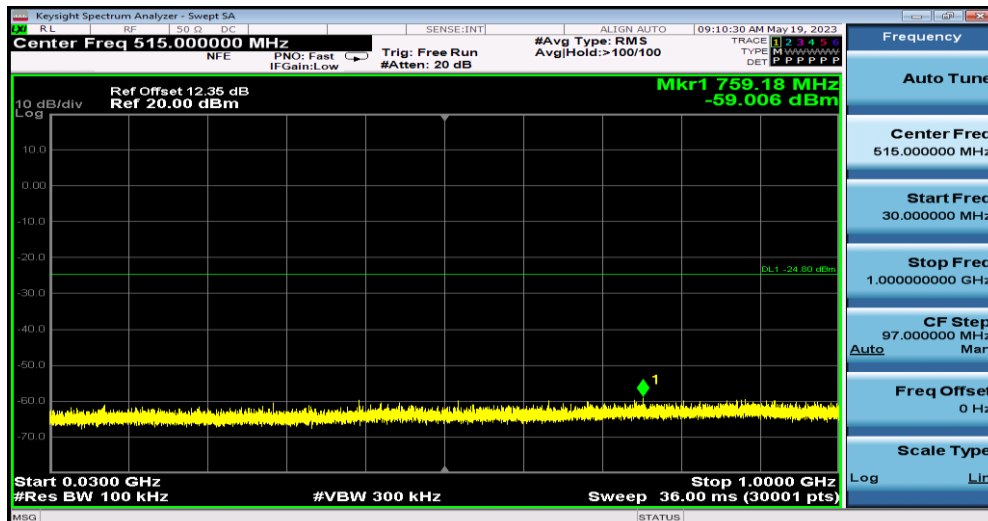
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.20	5.20	---	PASS
			30~1000	5.20	-59.01	≤-24.8	PASS
			1000~26500	5.20	-49.49	≤-24.8	PASS
		2437	Reference	5.57	5.57	---	PASS
			30~1000	5.57	-59.08	≤-24.43	PASS
			1000~26500	5.57	-50.96	≤-24.43	PASS
		2462	Reference	5.45	5.45	---	PASS
			30~1000	5.45	-59.47	≤-24.55	PASS
			1000~26500	5.45	-49.64	≤-24.55	PASS
11G	Ant1	2412	Reference	1.33	1.33	---	PASS
			30~1000	1.33	-59.3	≤-28.67	PASS
			1000~26500	1.33	-48.59	≤-28.67	PASS
		2437	Reference	2.61	2.61	---	PASS
			30~1000	2.61	-58.84	≤-27.39	PASS
			1000~26500	2.61	-49.34	≤-27.39	PASS
		2462	Reference	1.36	1.36	---	PASS
			30~1000	1.36	-59.11	≤-28.64	PASS
			1000~26500	1.36	-49.84	≤-28.64	PASS
11N20SISO	Ant1	2412	Reference	0.58	0.58	---	PASS
			30~1000	0.58	-58.39	≤-29.42	PASS
			1000~26500	0.58	-49.47	≤-29.42	PASS
		2437	Reference	3.41	3.41	---	PASS
			30~1000	3.41	-58.64	≤-26.59	PASS
			1000~26500	3.41	-49.51	≤-26.59	PASS
		2462	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-59.26	≤-28.14	PASS
			1000~26500	1.86	-49.31	≤-28.14	PASS
11N40SISO	Ant1	2422	Reference	-5.20	-5.20	---	PASS
			30~1000	-5.20	-59.06	≤-35.2	PASS
			1000~26500	-5.20	-50.71	≤-35.2	PASS
		2437	Reference	-0.12	-0.12	---	PASS
			30~1000	-0.12	-52.3	≤-30.12	PASS
			1000~26500	-0.12	-49.52	≤-30.12	PASS
		2452	Reference	-4.13	-4.13	---	PASS
			30~1000	-4.13	-56.07	≤-34.13	PASS
			1000~26500	-4.13	-50.68	≤-34.13	PASS

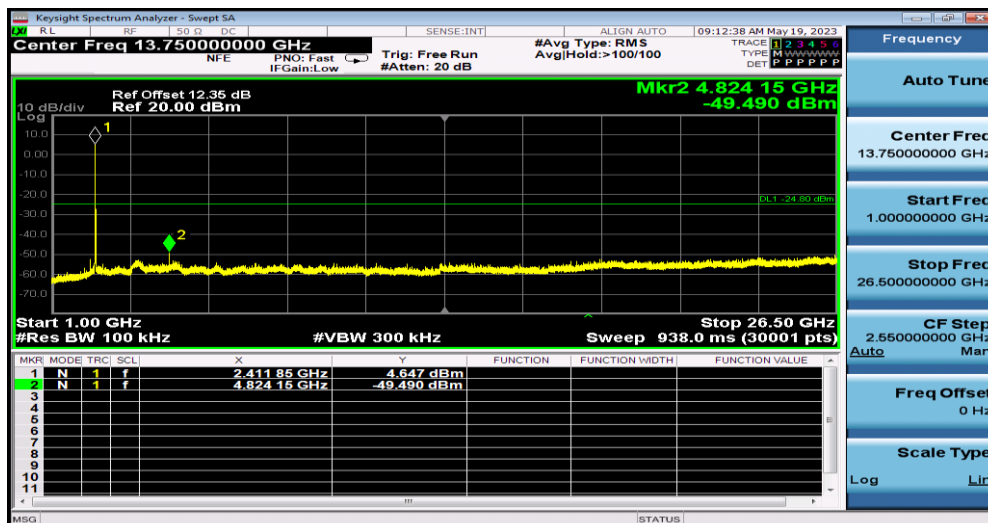
Test Graphs



11B_Ant1_2412_0~Reference



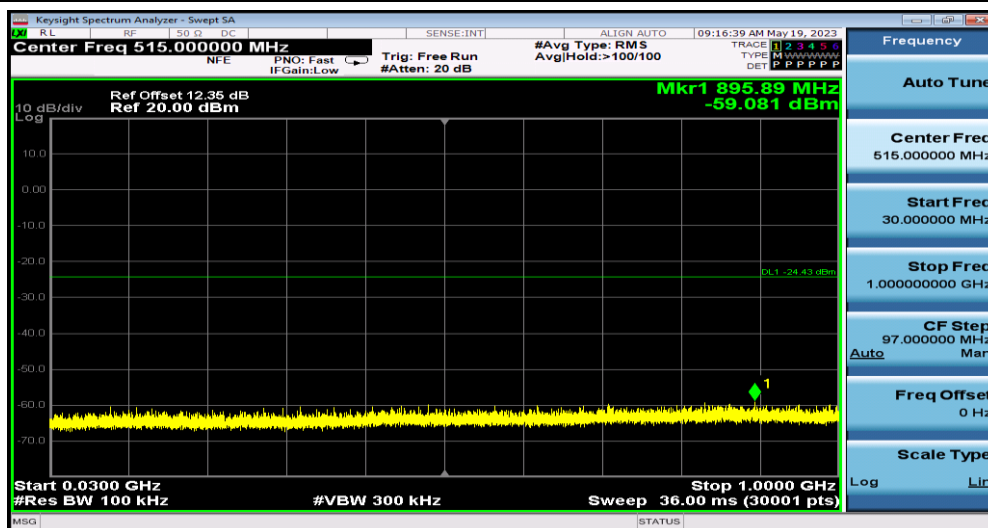
11B_Ant1_2412_30~1000



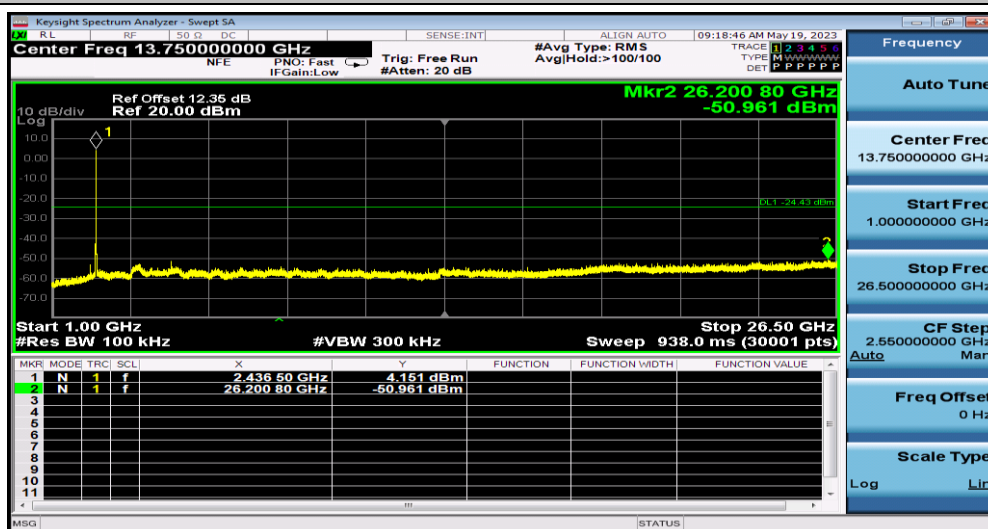
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



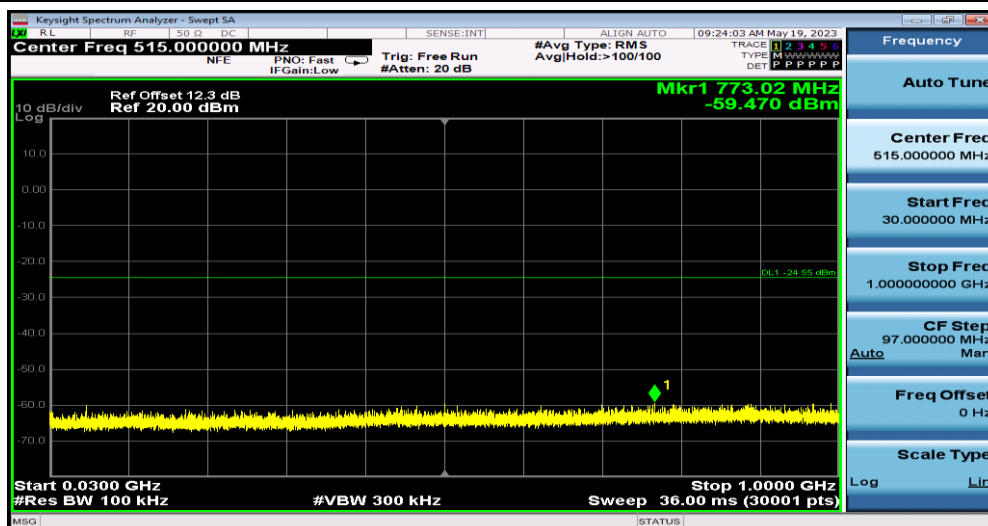
11B_Ant1_2437_30~1000



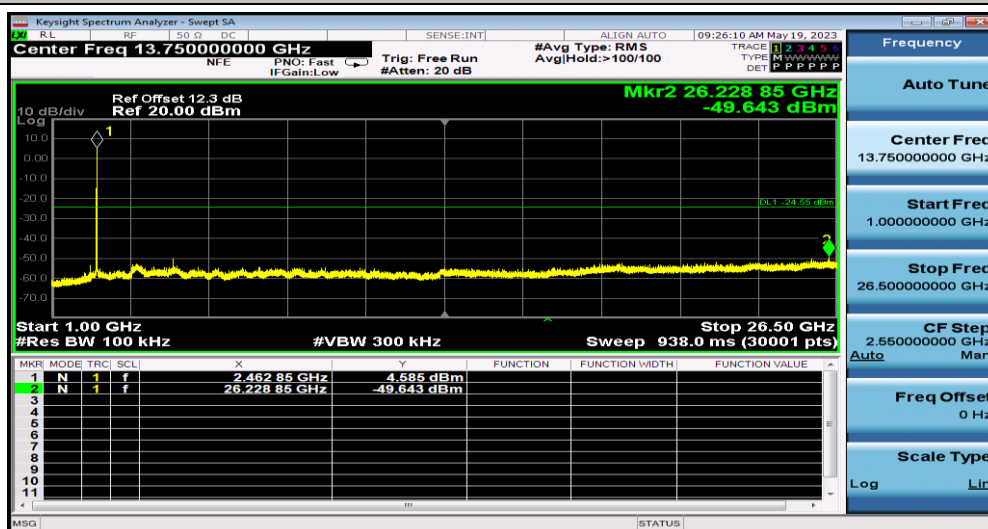
11B_Ant1_2437_1000~26500



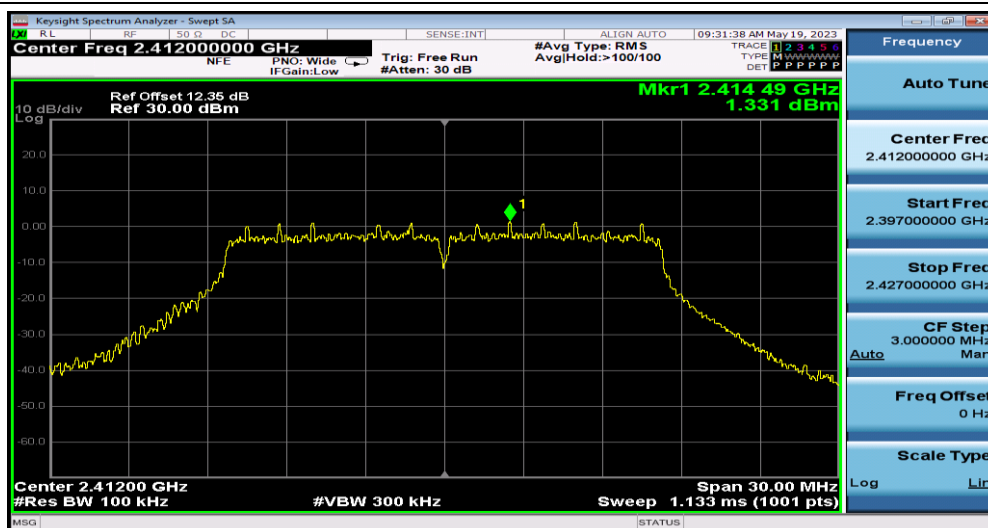
11B_Ant1_2462_0~Reference



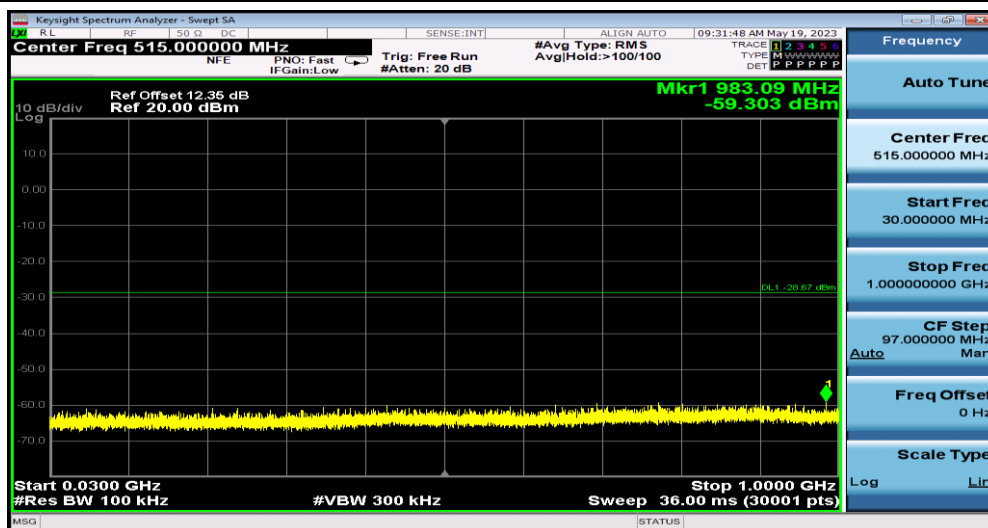
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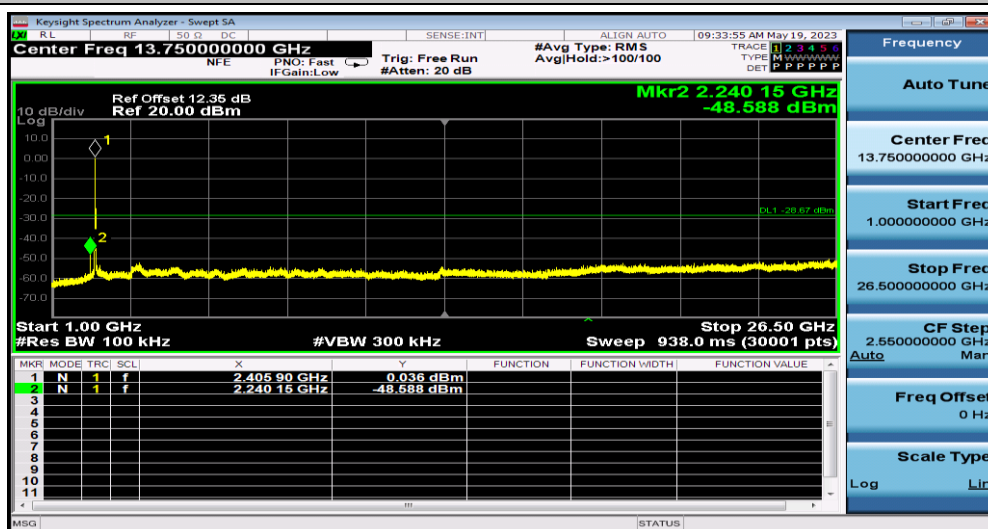
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500