Power level setting using in test:

Band	Channel	Power Setting (Delta gain)	Band	Channel	Power Setting (Delta gain)
802.11b	1	3	802.11g	1	1
	6	3		6	1
	11	3		11	1
Band	Channel	Power Setting (Delta gain)	Band	Channel	Power Setting (Delta gain)
802.11n20	1	0	802.11n40	3	0
	6	0		6	0
	11	0		9	0

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.760	2407.120	2416.880	0.5	PASS
		2437	9.720	2432.160	2441.880	0.5	PASS
		2462	9.720	2457.160	2466.880	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	13.840	2454.440	2468.280	0.5	PASS
11N20SISO	Ant1	2412	17.280	2403.240	2420.520	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.280	2453.240	2470.520	0.5	PASS
11N40SISO	Ant1	2422	35.280	2404.240	2439.520	0.5	PASS
		2437	35.760	2419.160	2454.920	0.5	PASS
		2452	35.840	2434.080	2469.920	0.5	PASS

Test Graphs

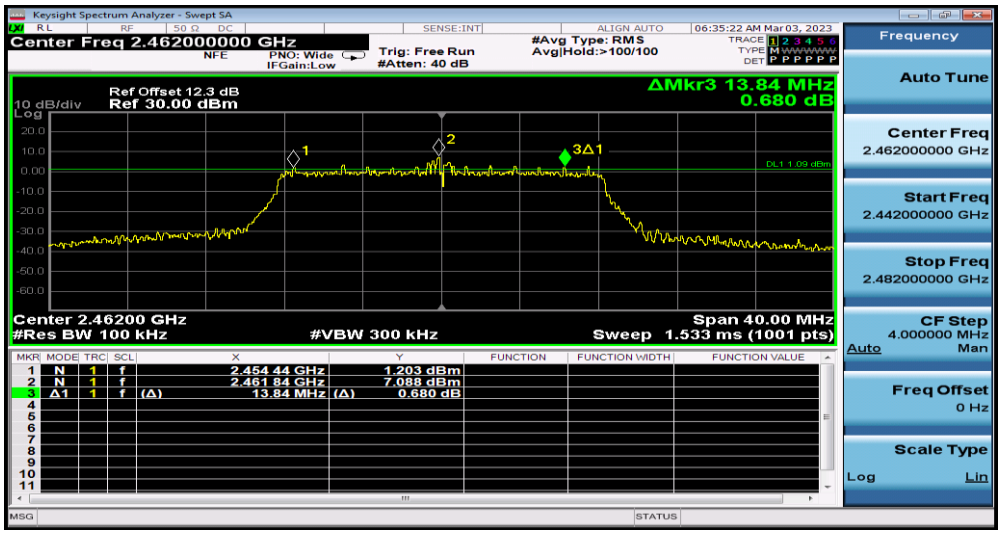
11B_Ant1_2412

11B_Ant1_2437

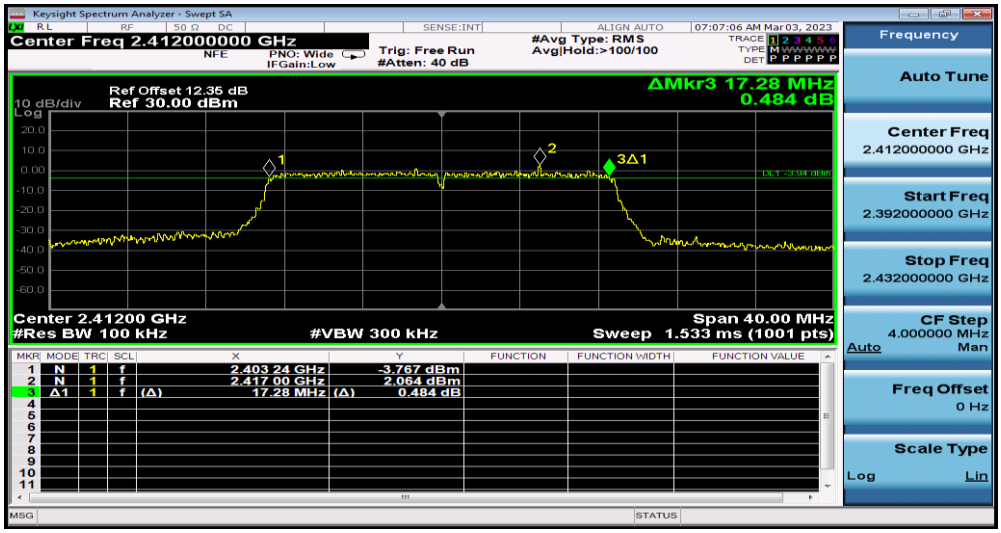
11B_Ant1_2462

11G_Ant1_2412

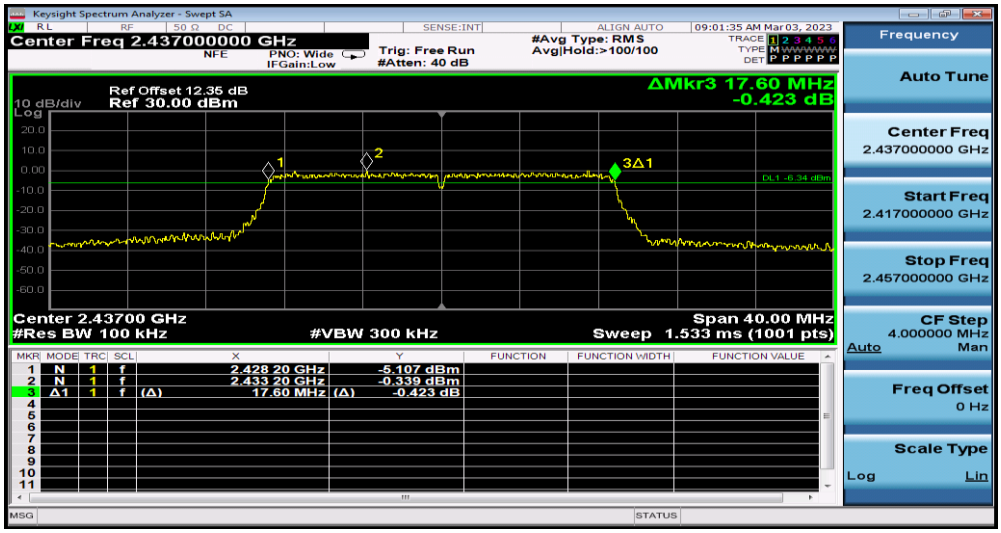
11G_Ant1_2437



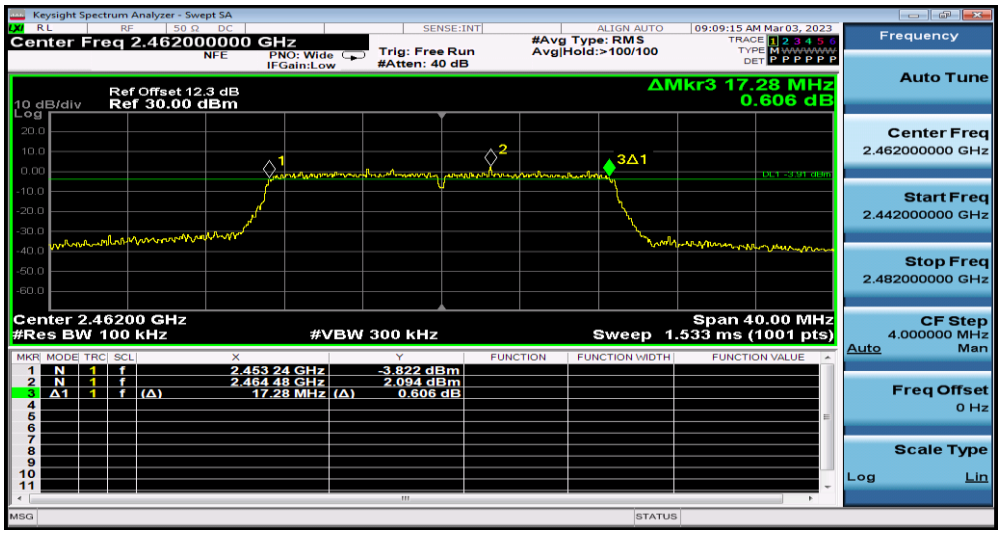
11G_Ant1_2462



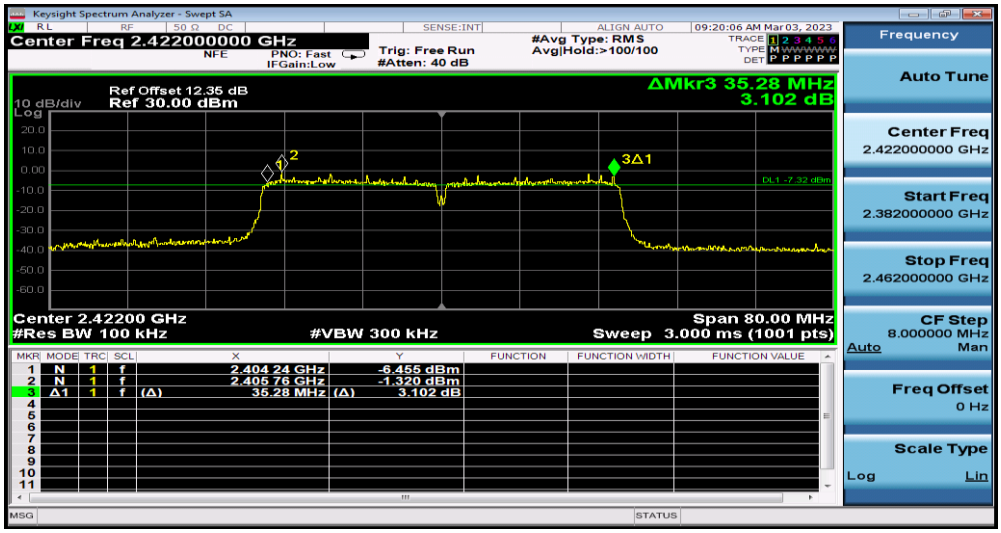
11N20SISO_Ant1_2412



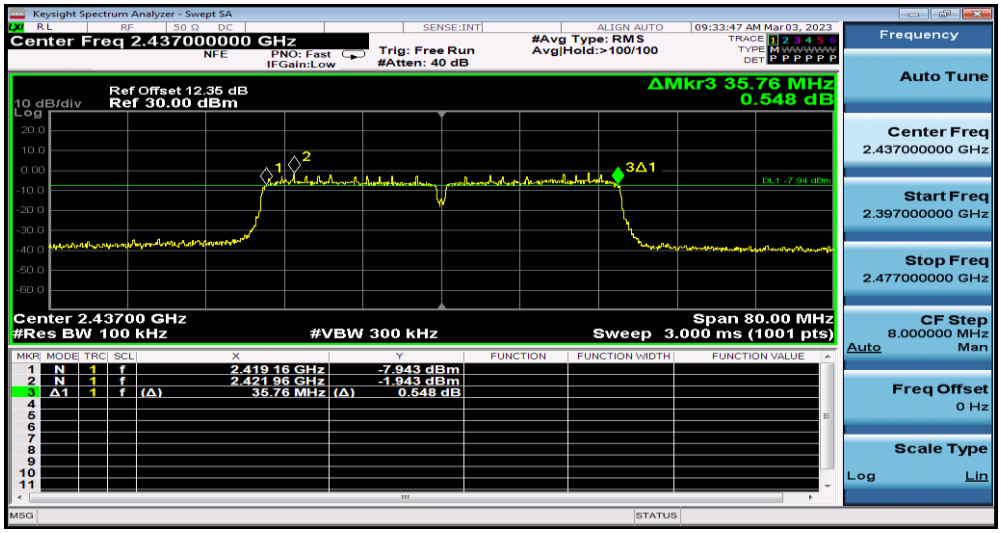
11N20SISO_Ant1_2437



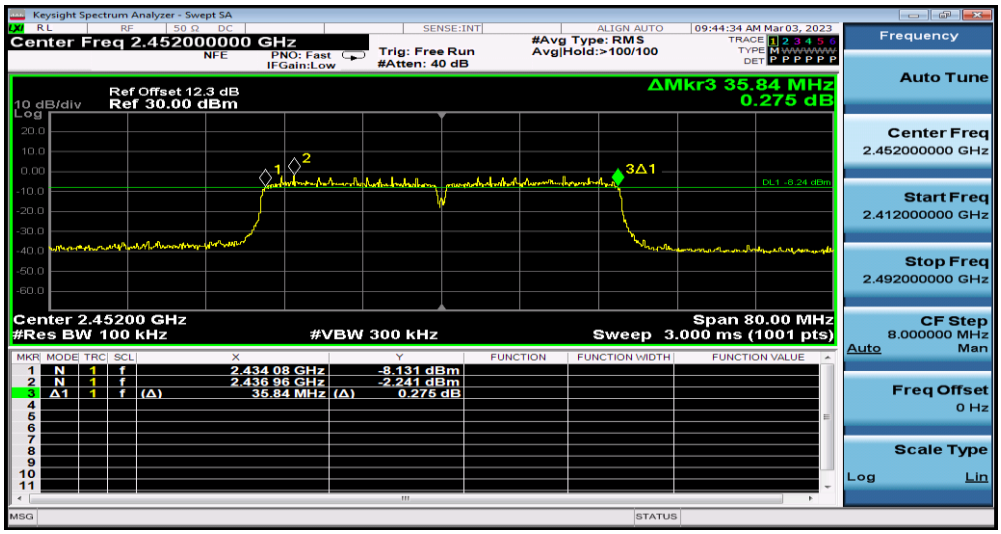
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



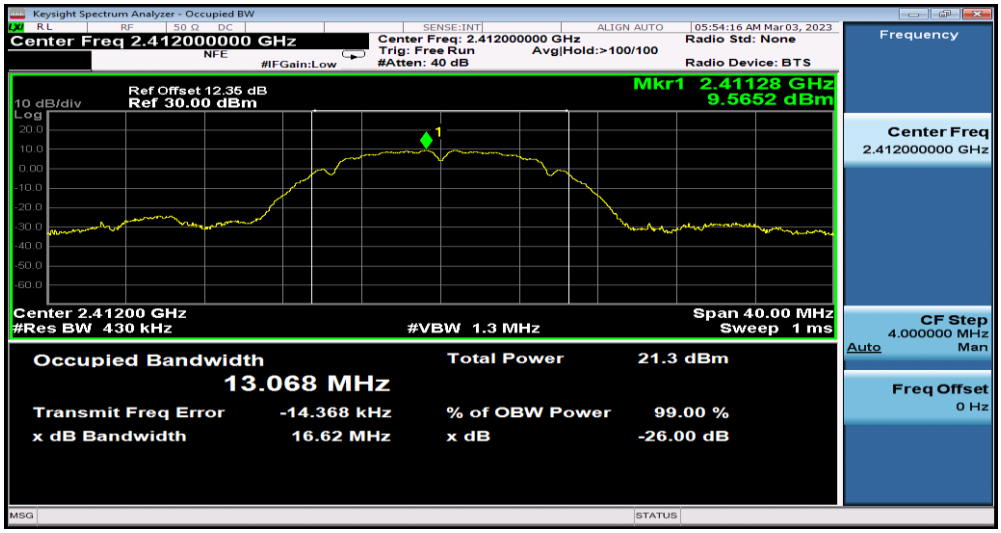
11N40SISO_Ant1_2452

Appendix B: Occupied Channel Bandwidth

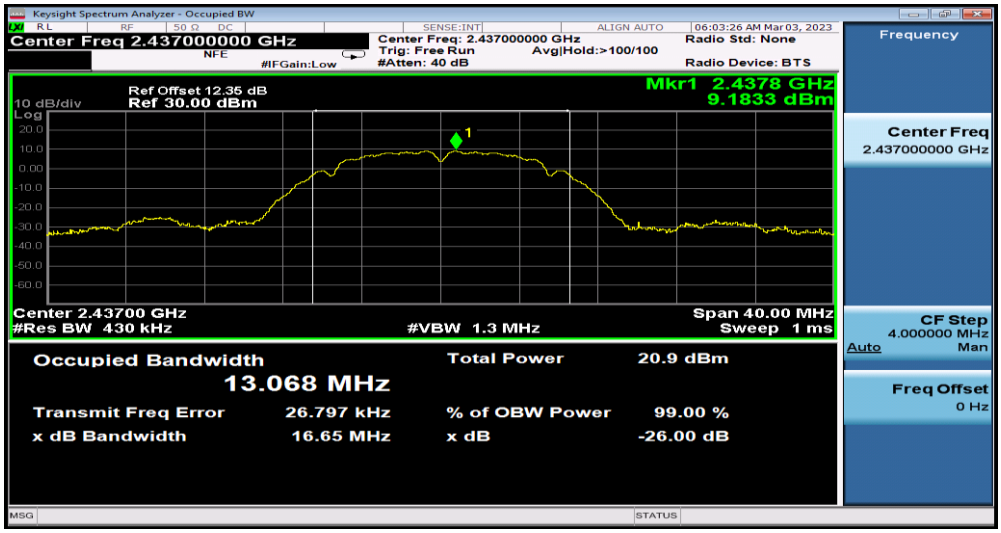
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.064	2405.454	2418.518	---	---
		2437	13.065	2430.494	2443.559	---	---
		2462	13.061	2455.469	2468.530	---	---
11G	Ant1	2412	17.048	2403.434	2420.482	---	---
		2437	17.542	2428.285	2445.827	---	---
		2462	17.148	2453.423	2470.571	---	---
11N20SISO	Ant1	2412	17.754	2403.093	2420.847	---	---
		2437	17.762	2428.116	2445.878	---	---
		2462	17.735	2453.110	2470.845	---	---
11N40SISO	Ant1	2422	36.262	2403.827	2440.089	---	---
		2437	36.216	2418.887	2455.103	---	---
		2452	36.173	2433.912	2470.085	---	---

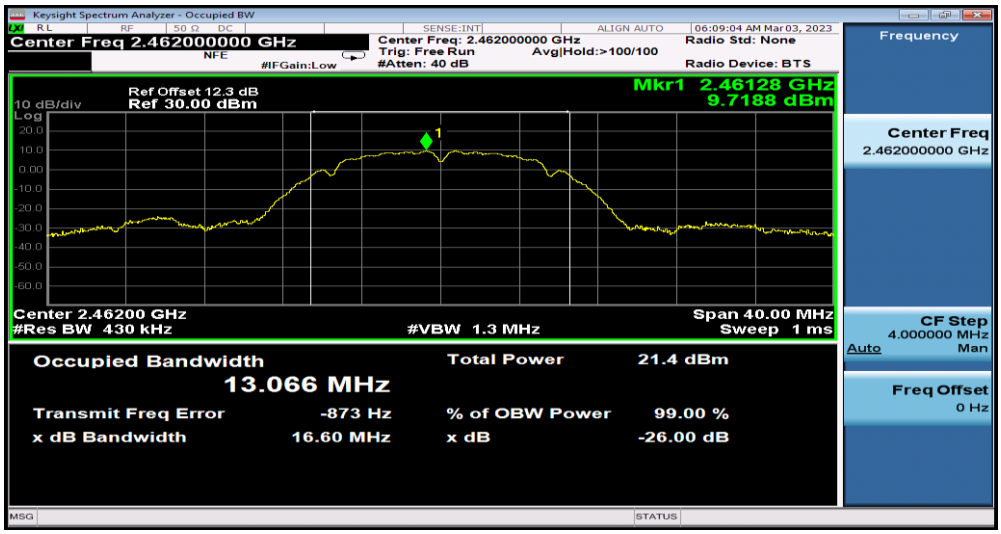
Test Graphs



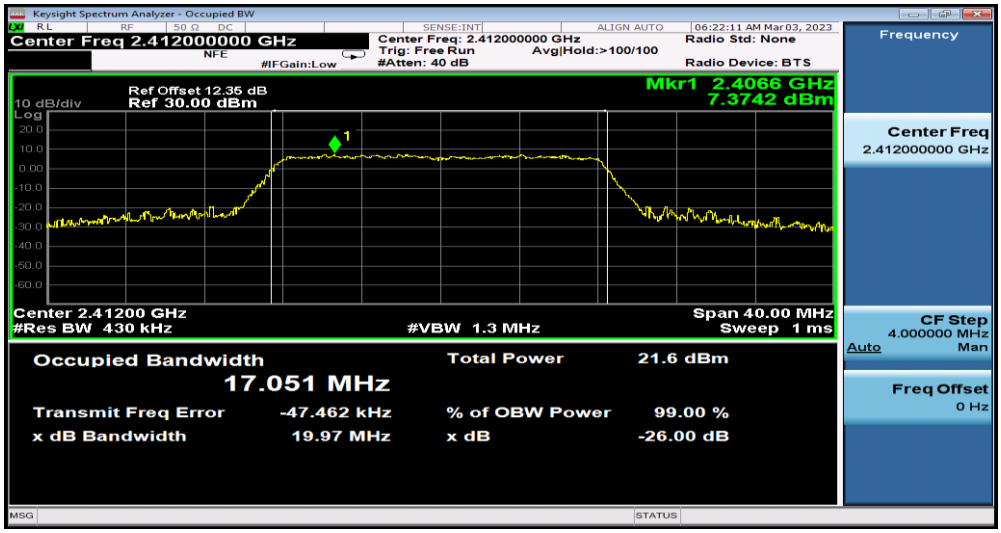
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



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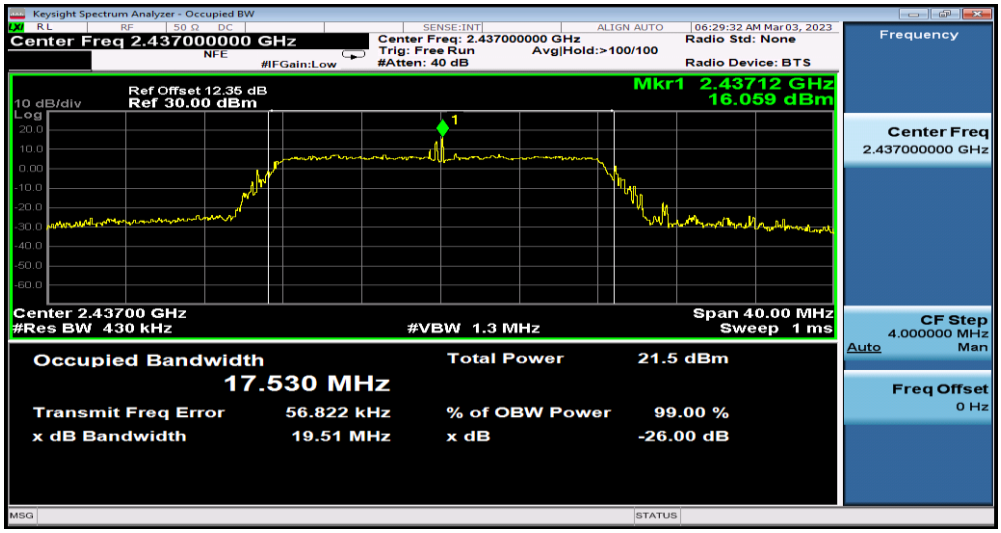

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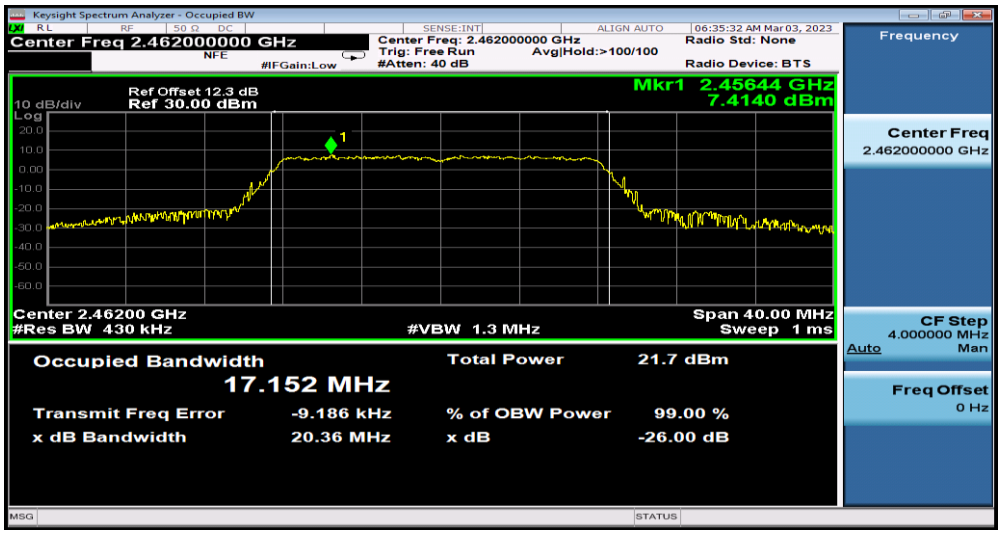
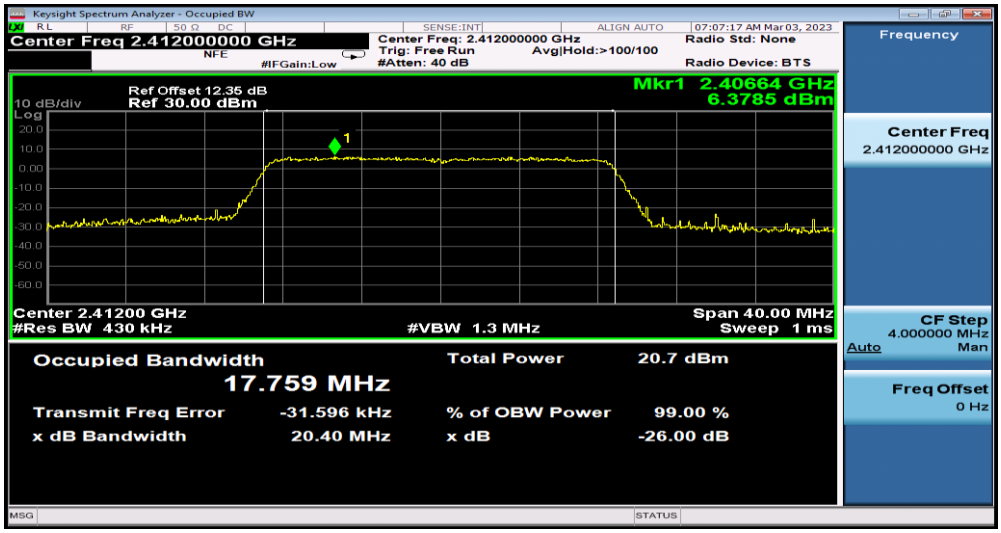
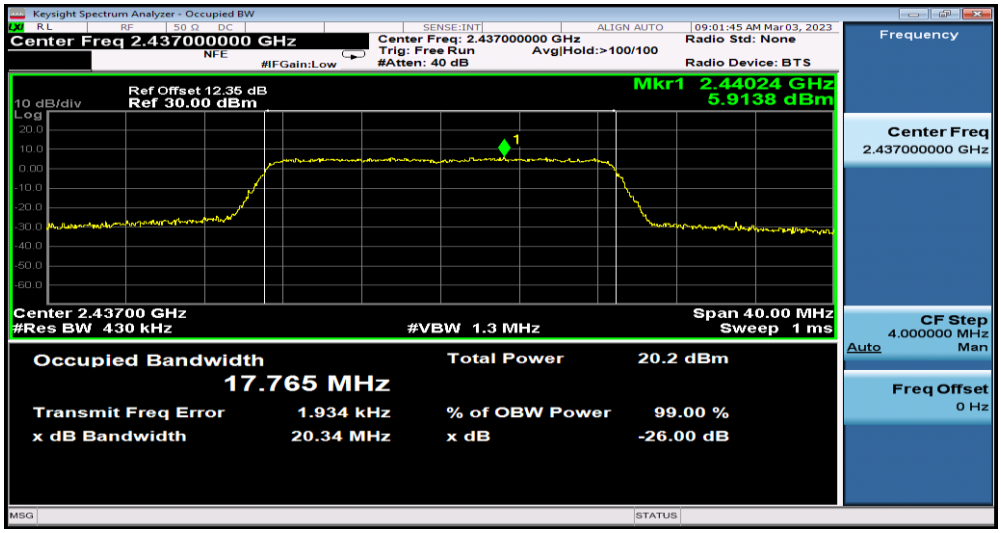


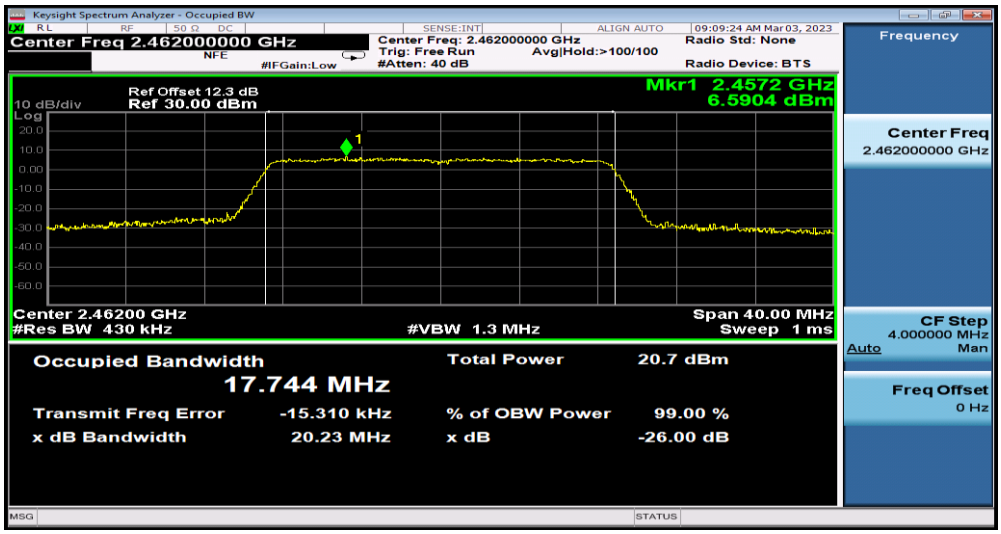
11G_Ant1_2462



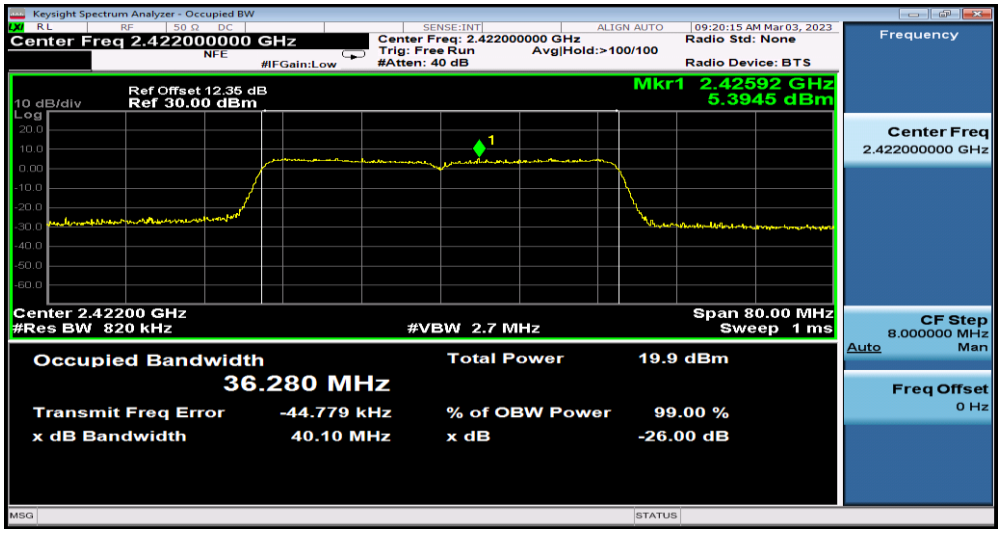
11N20SISO_Ant1_2412



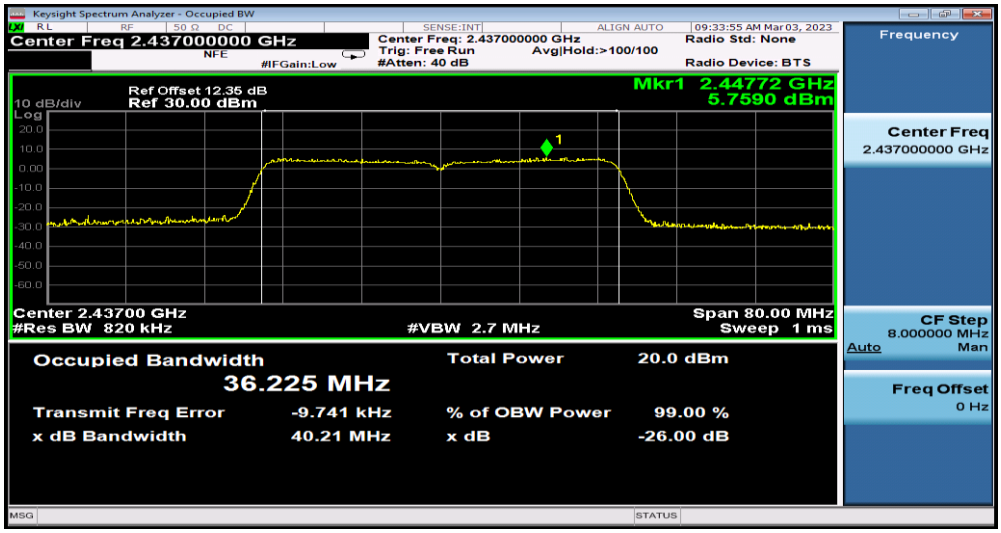
11N20SISO_Ant1_2437



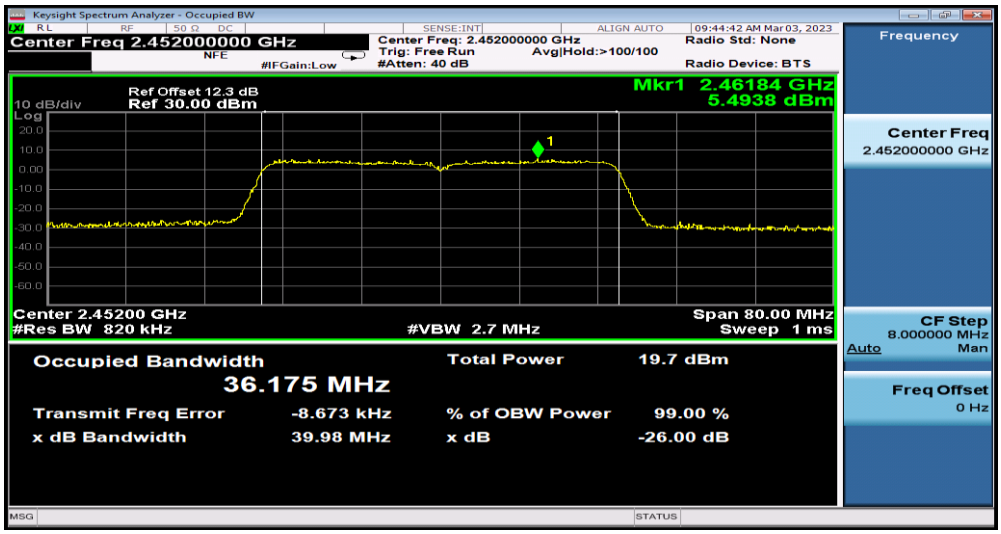
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



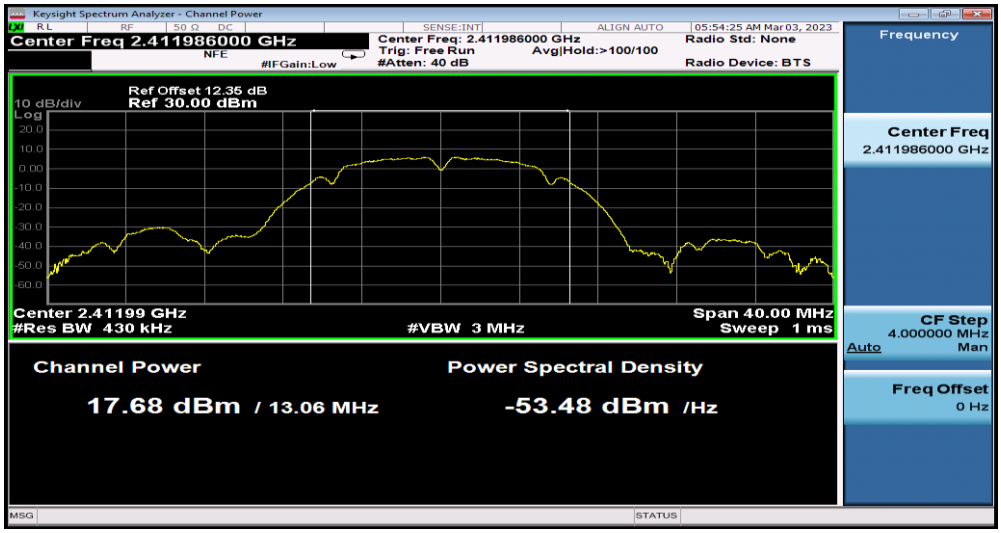
11N40SISO_Ant1_2452

Appendix C: Maximum conducted output power

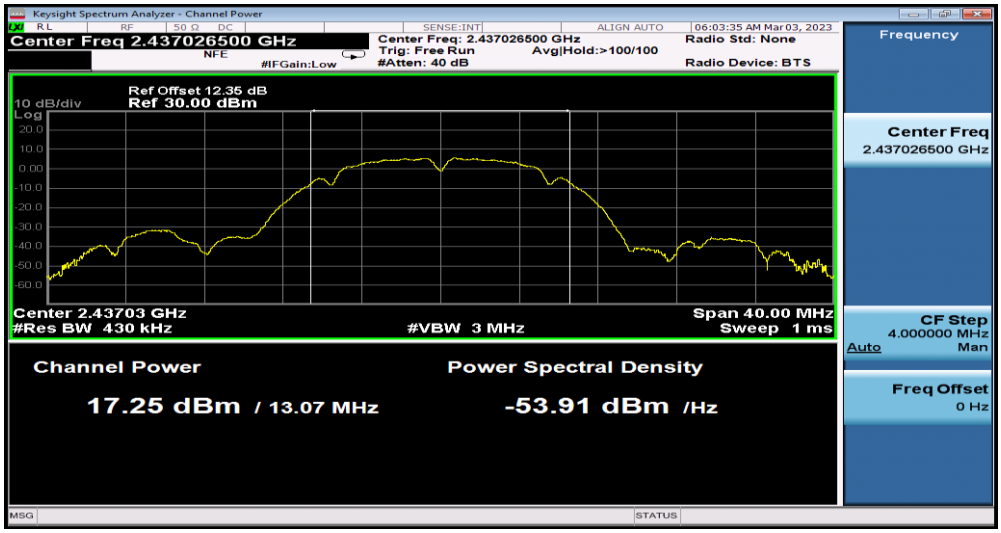
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average Powert[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	17.68	≤30.00	20.27	≤36.00	PASS
		2437	17.25	≤30.00	19.84	≤36.00	PASS
		2462	17.80	≤30.00	20.39	≤36.00	PASS
11G	Ant1	2412	14.68	≤30.00	17.27	≤36.00	PASS
		2437	14.01	≤30.00	16.60	≤36.00	PASS
		2462	14.85	≤30.00	17.44	≤36.00	PASS
11N20SISO	Ant1	2412	13.55	≤30.00	16.14	≤36.00	PASS
		2437	13.07	≤30.00	15.66	≤36.00	PASS
		2462	13.63	≤30.00	16.22	≤36.00	PASS
11N40SISO	Ant1	2422	12.25	≤30.00	14.84	≤36.00	PASS
		2437	12.31	≤30.00	14.90	≤36.00	PASS
		2452	12.09	≤30.00	14.68	≤36.00	PASS

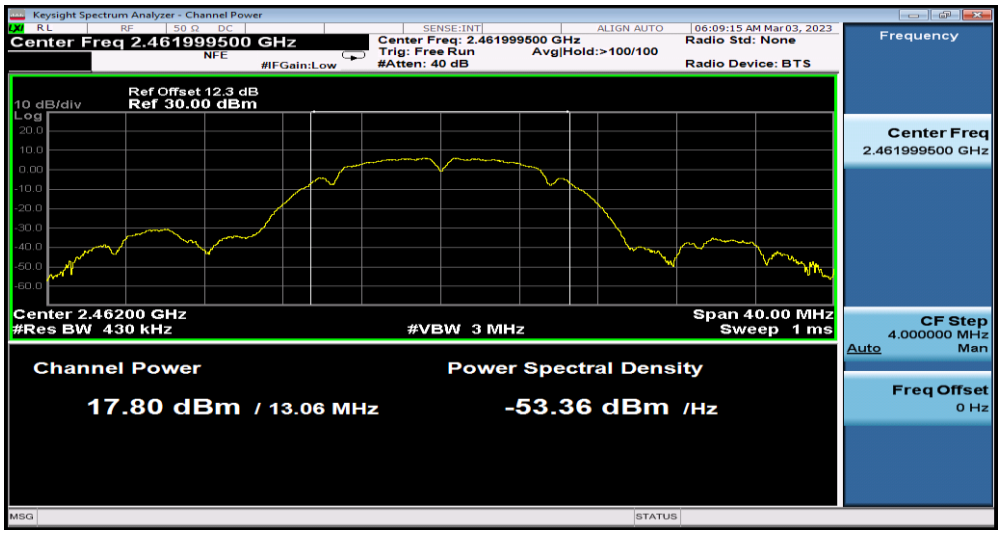
Test Graphs Peak



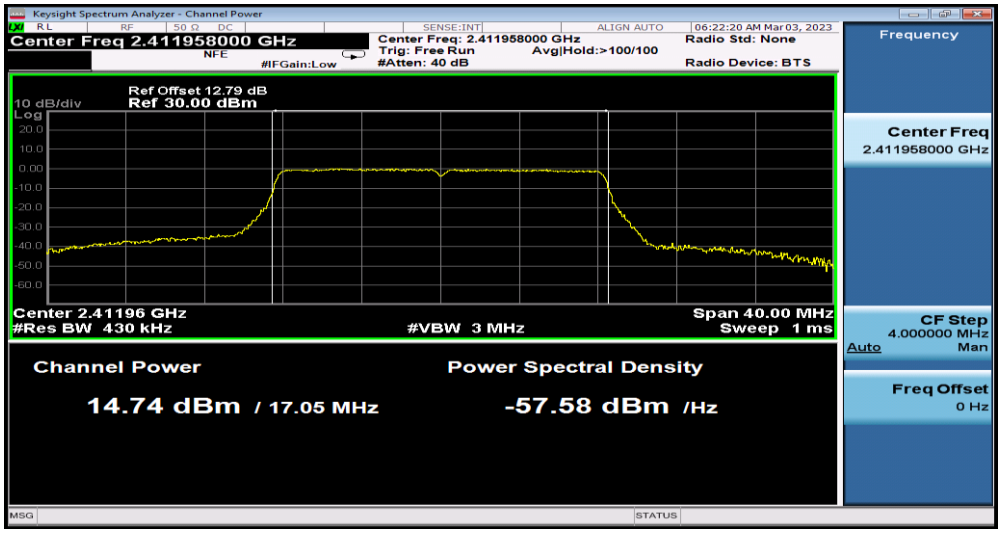
11B_Ant1_2412



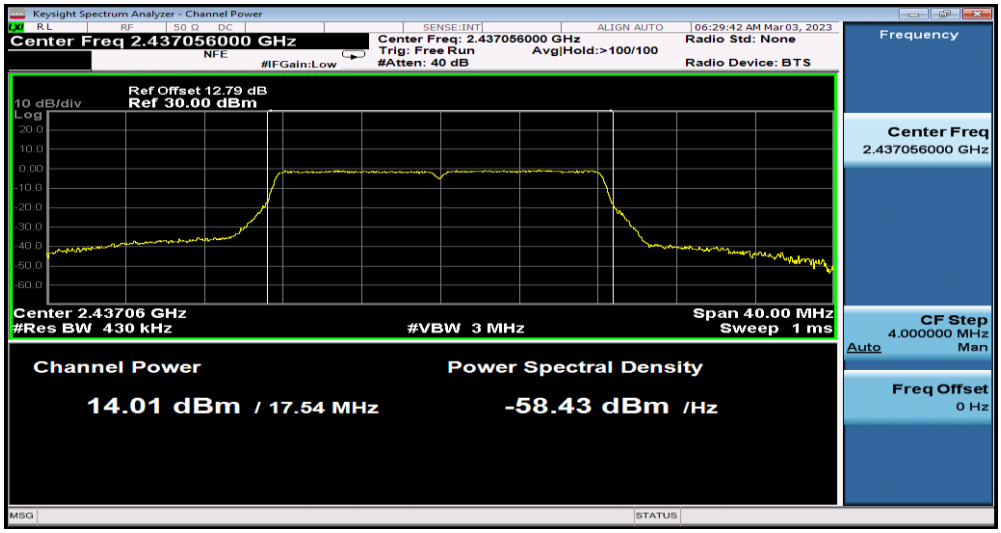
11B_Ant1_2437



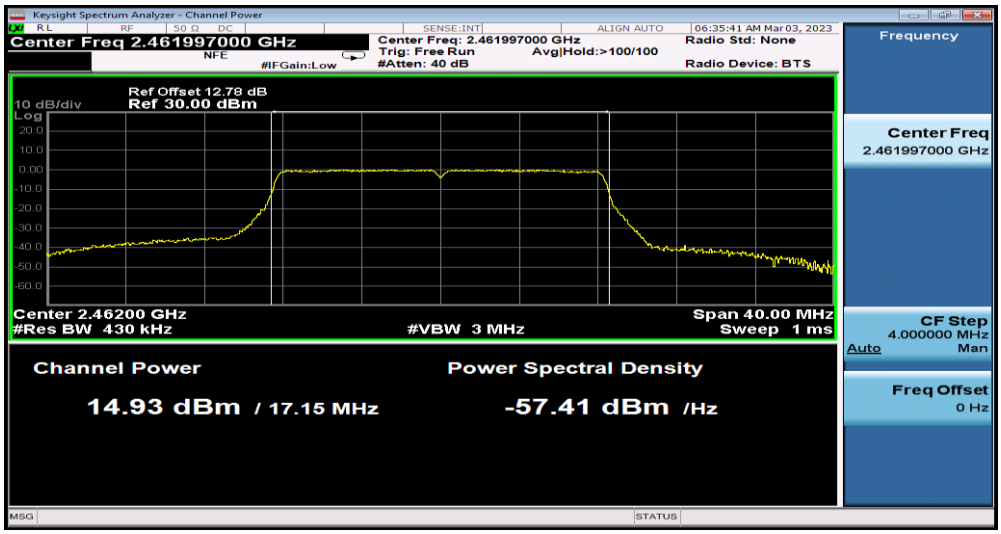
11B_Ant1_2462



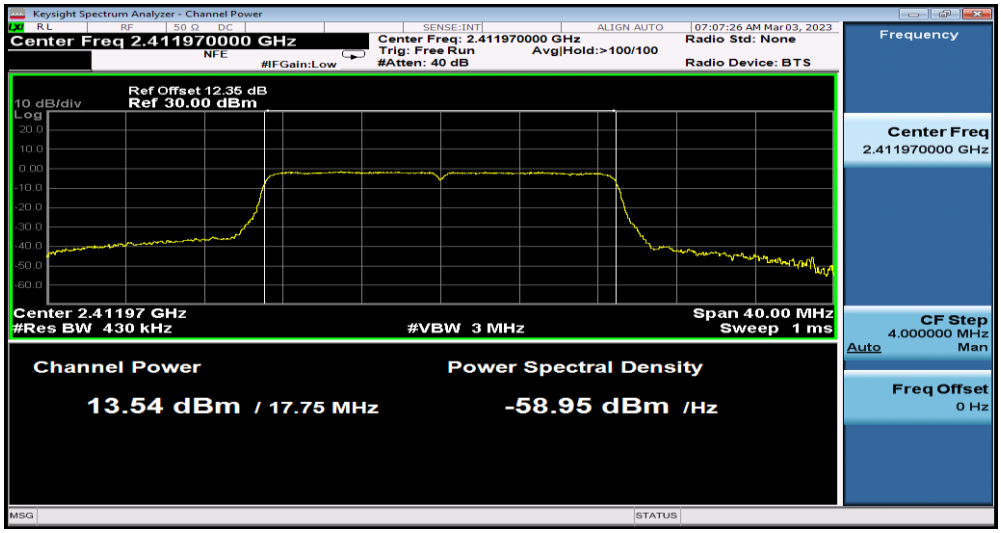
11G_Ant1_2412



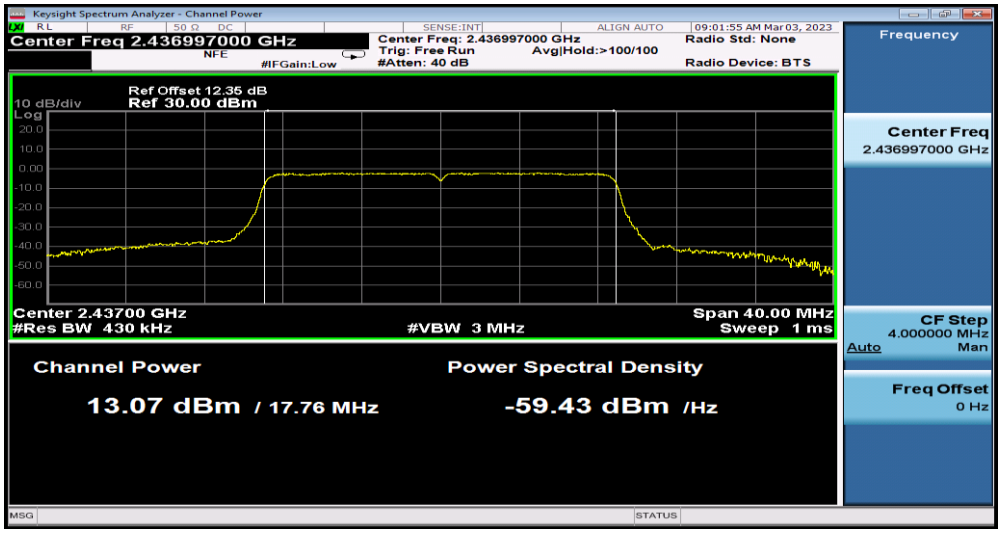
11G_Ant1_2437



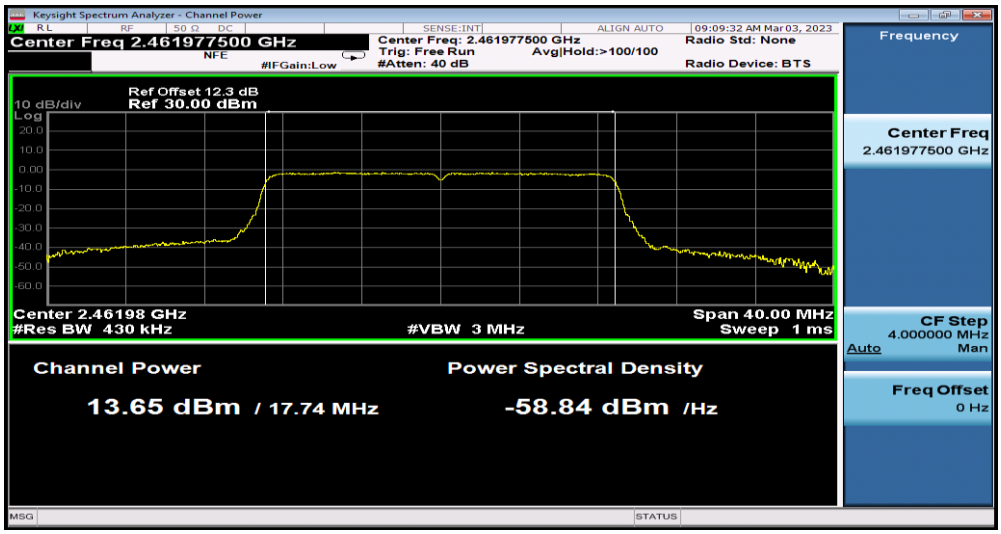
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



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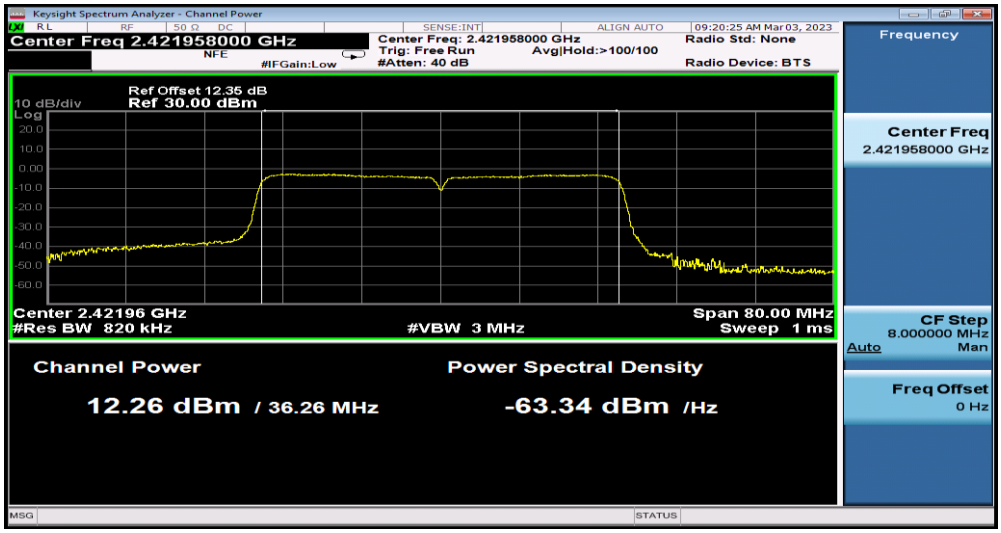
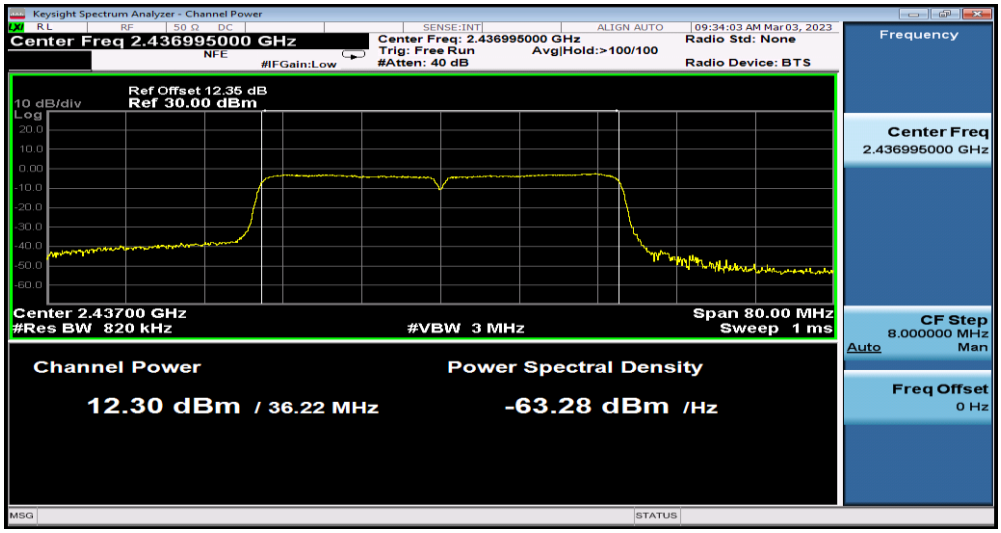
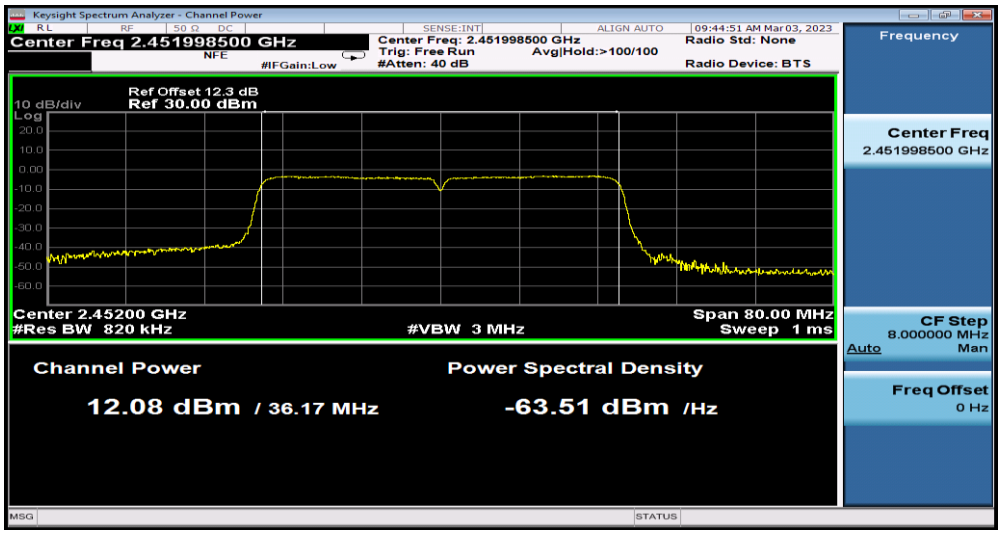


11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



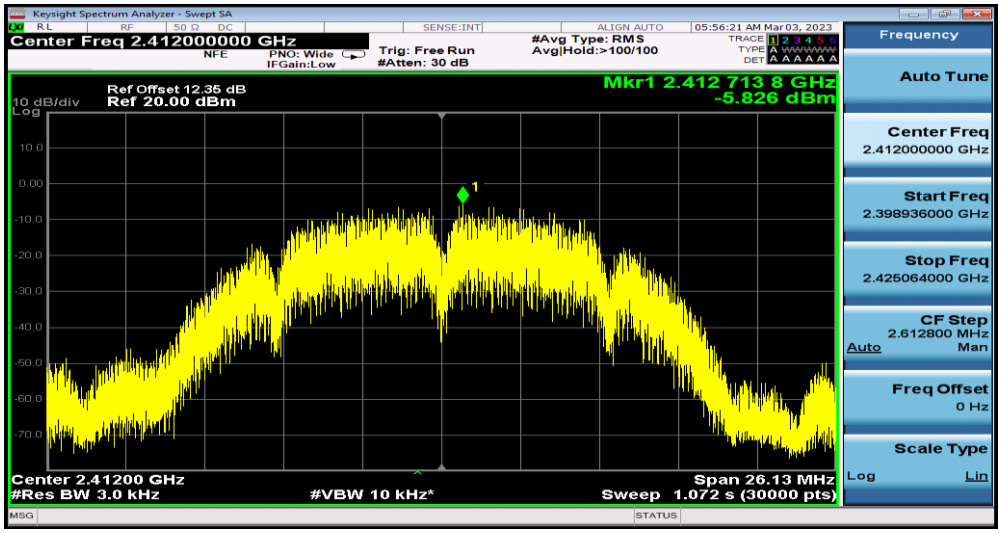
11N40SISO_Ant1_2452

Appendix D: Maximum power spectral density

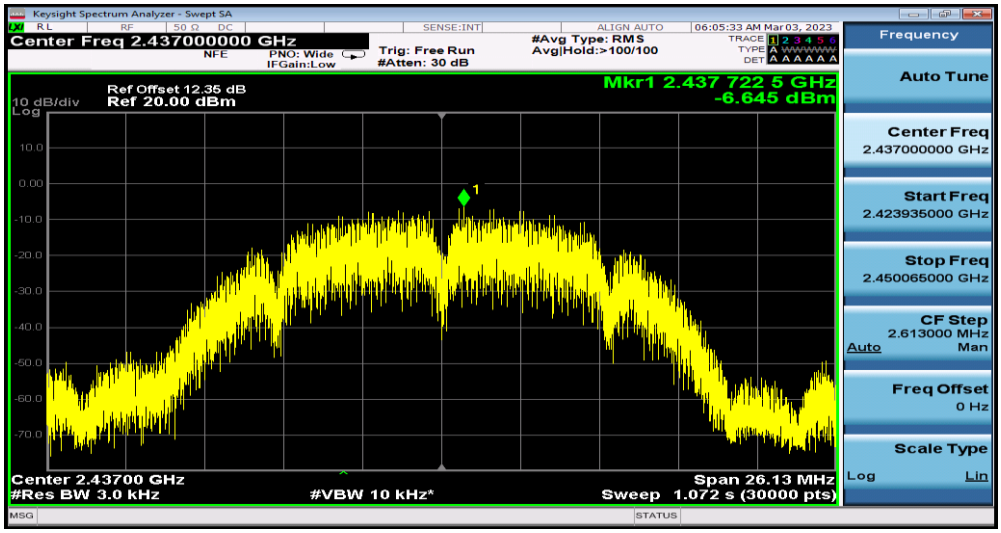
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.8	≤8.00	PASS
		2437	-6.66	≤8.00	PASS
		2462	-5.22	≤8.00	PASS
11G	Ant1	2412	-17.43	≤8.00	PASS
		2437	-17.69	≤8.00	PASS
		2462	-17.08	≤8.00	PASS
11N20SISO	Ant1	2412	-20.66	≤8.00	PASS
		2437	-21.09	≤8.00	PASS
		2462	-20.77	≤8.00	PASS
11N40SISO	Ant1	2422	-24.13	≤8.00	PASS
		2437	-22.4	≤8.00	PASS
		2452	-22.18	≤8.00	PASS

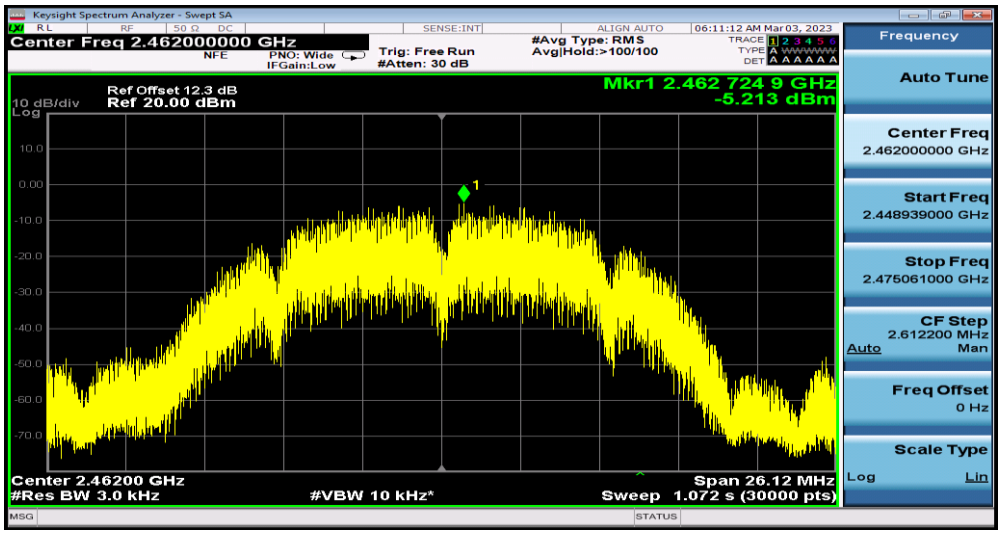
Test Graphs



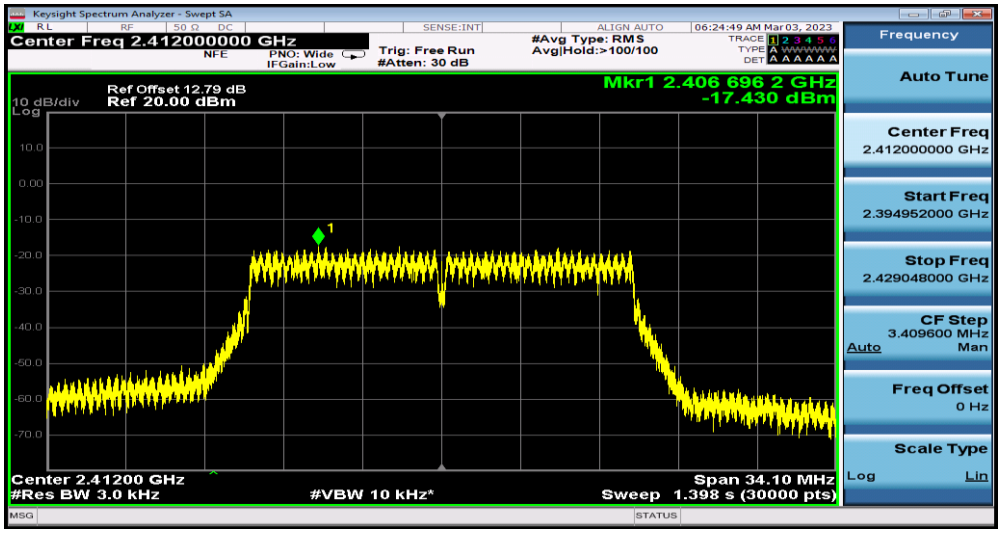
11B_Ant1_2412



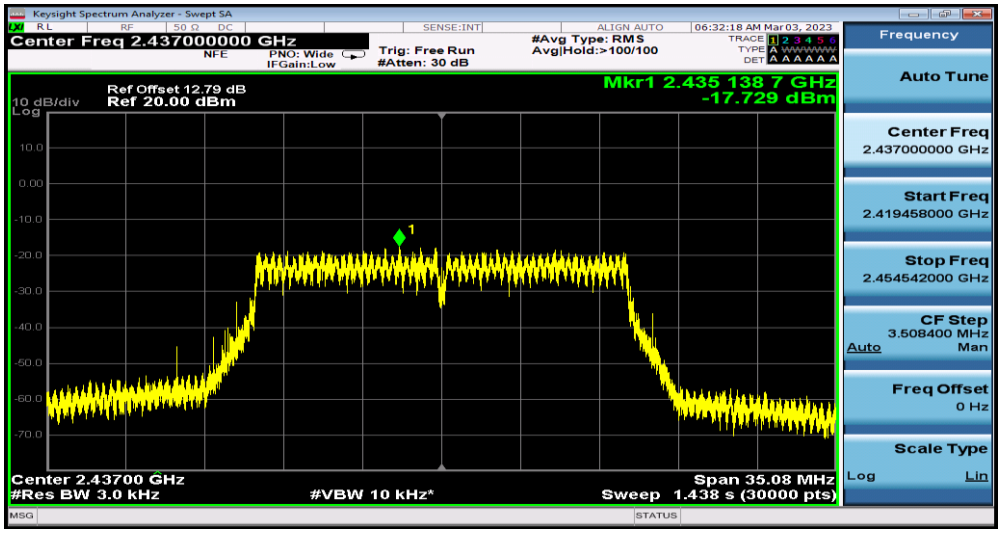
11B_Ant1_2437



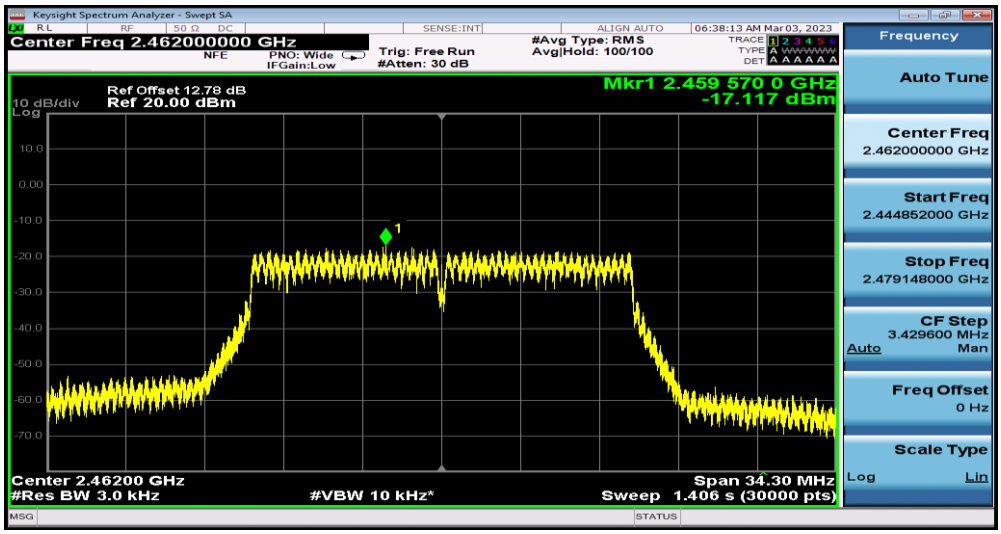
11B_Ant1_2462



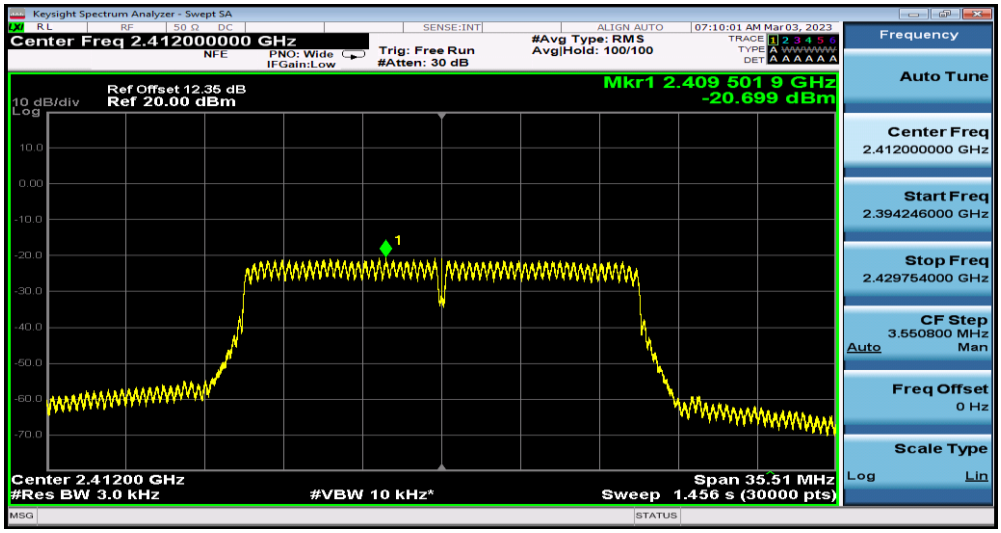
11G_Ant1_2412



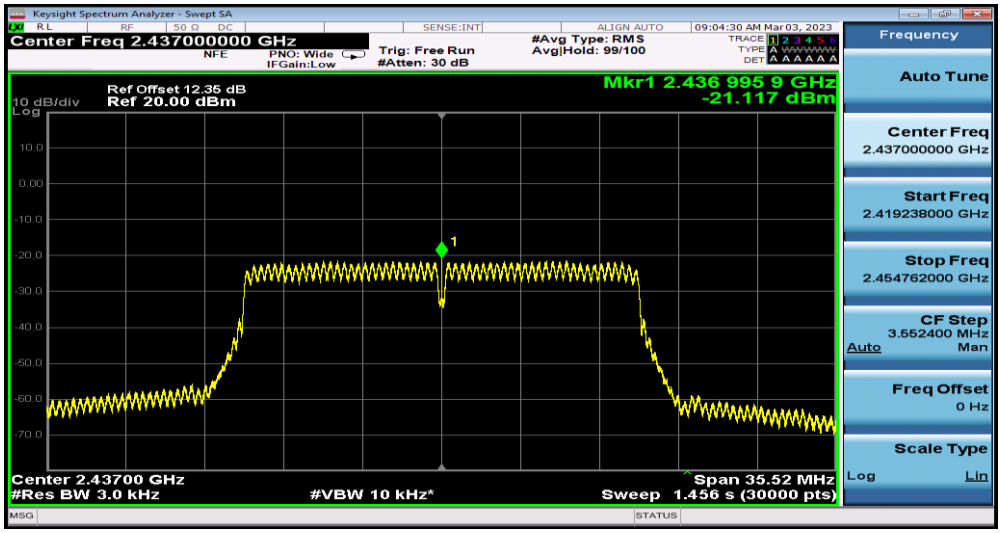
11G_Ant1_2437



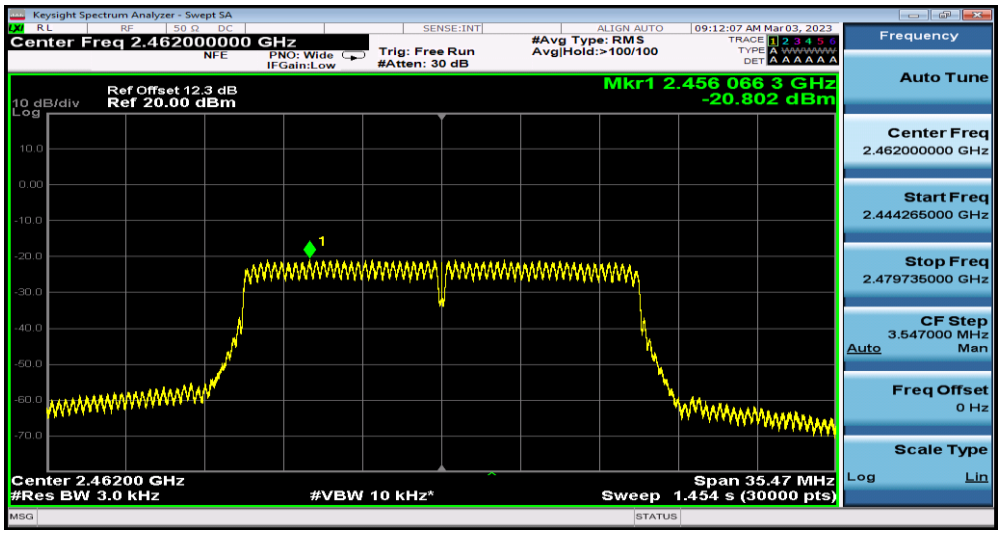
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



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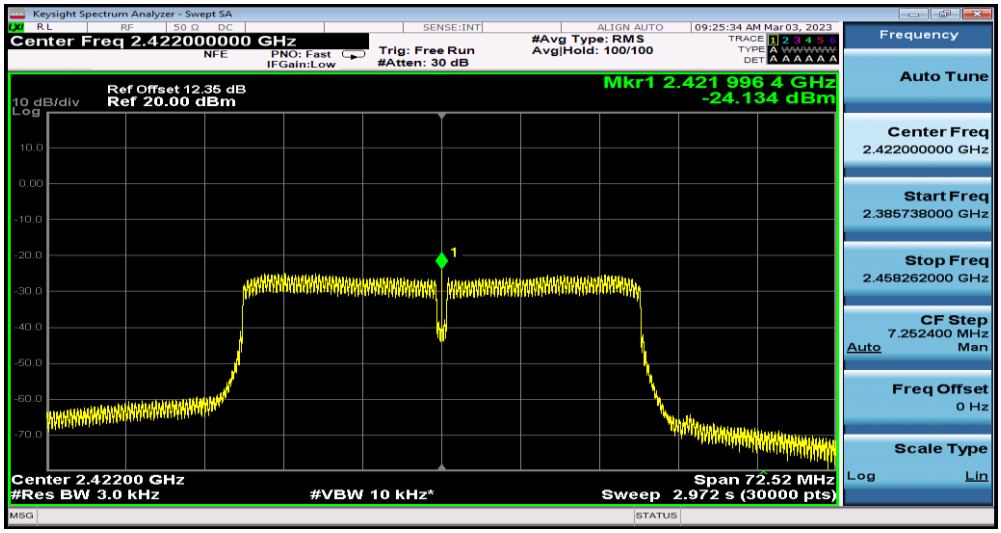
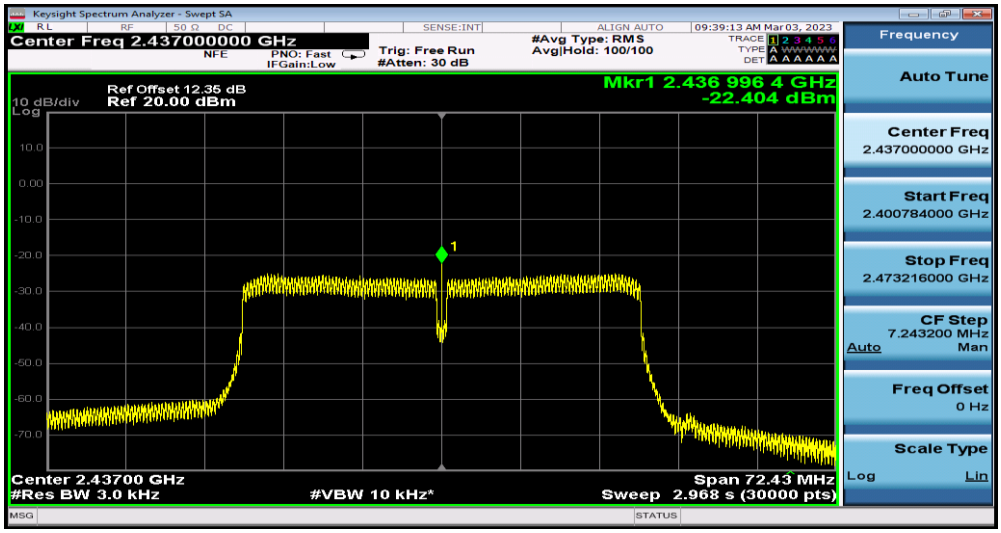
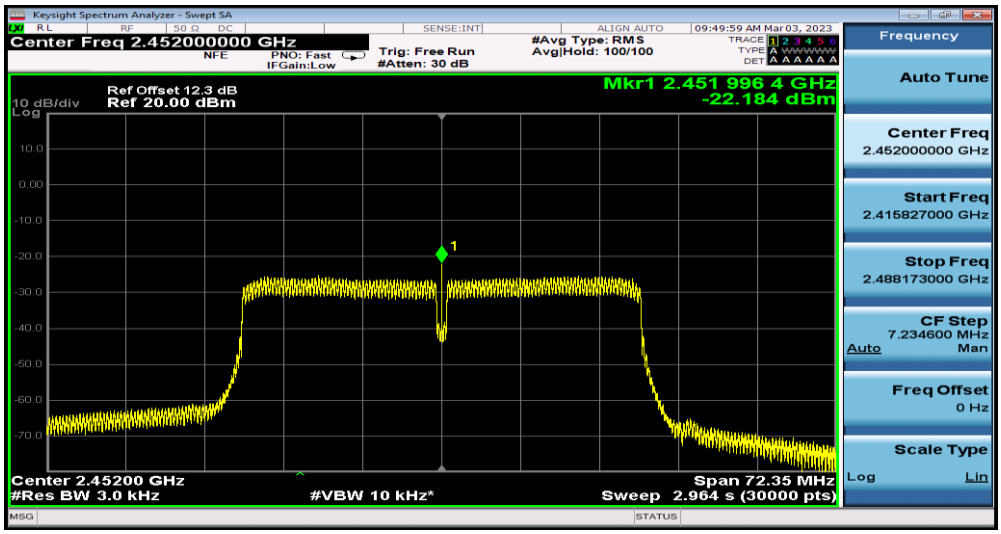


11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



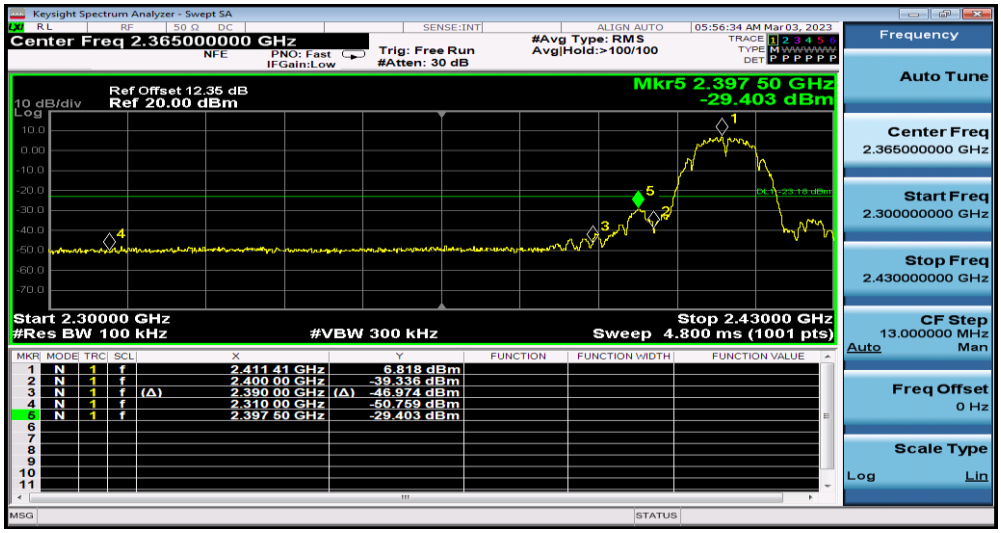
11N40SISO_Ant1_2452

Appendix E: Band edge measurements

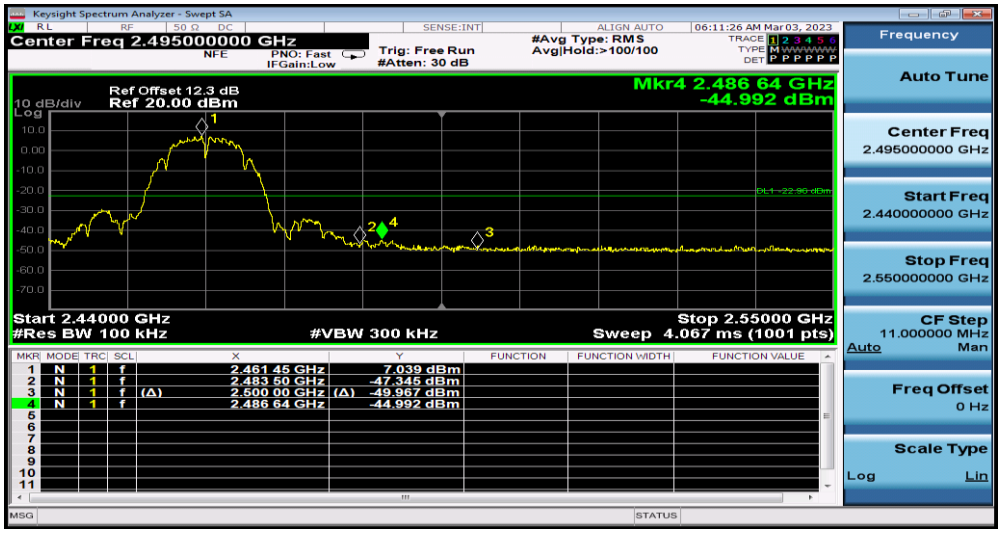
Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.82	-29.4	≤-23.18	PASS
		High	2462	7.04	-44.99	≤-22.96	PASS
11G	Ant1	Low	2412	3.03	-29.61	≤-26.97	PASS
		High	2462	3.44	-41.91	≤-26.56	PASS
11N20SISO	Ant1	Low	2412	1.23	-31.02	≤-28.77	PASS
		High	2462	1.93	-42.95	≤-28.07	PASS
11N40SISO	Ant1	Low	2422	-2.00	-34.78	≤-32.00	PASS
		High	2452	-1.92	-44.07	≤-31.92	PASS

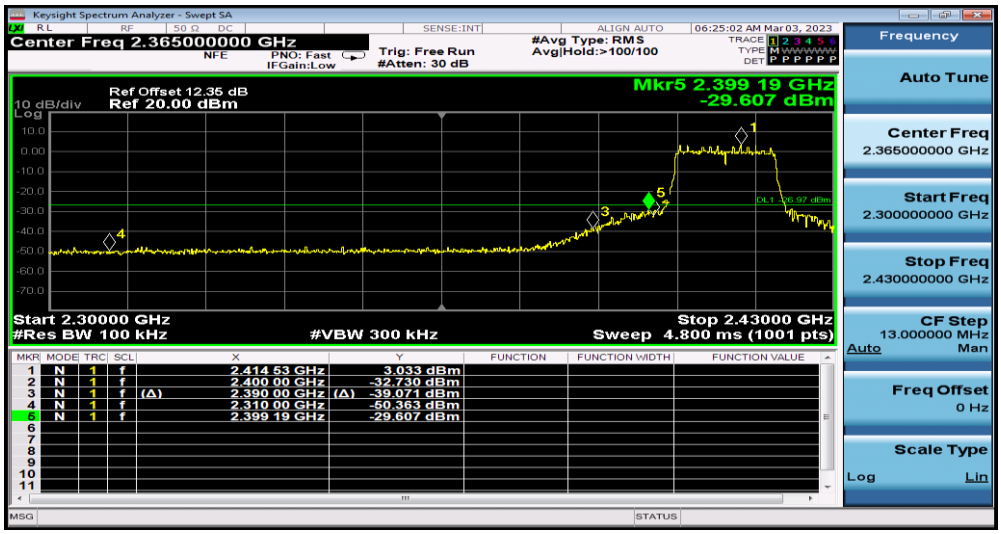
Test Graphs



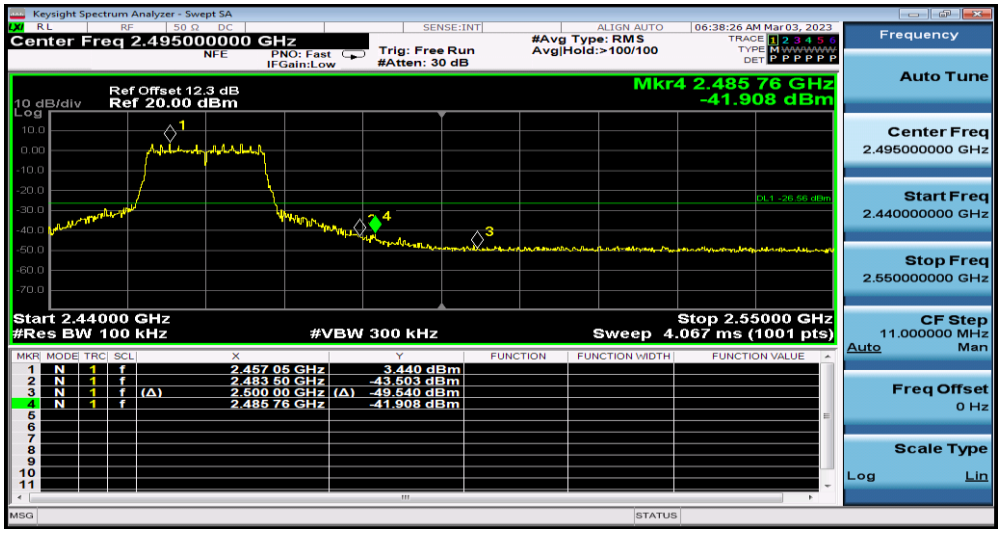
11B_Ant1_Low_2412



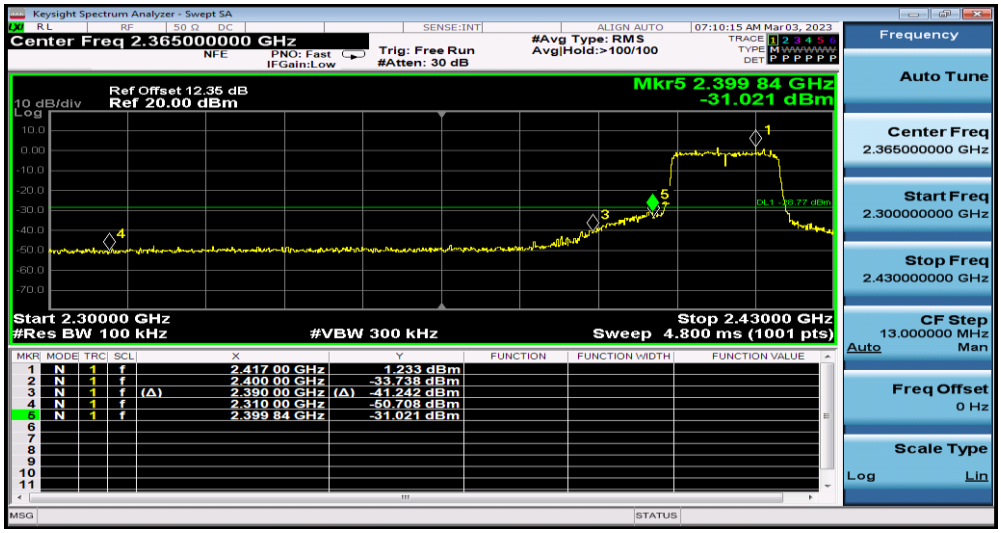
11B_Ant1_High_2462



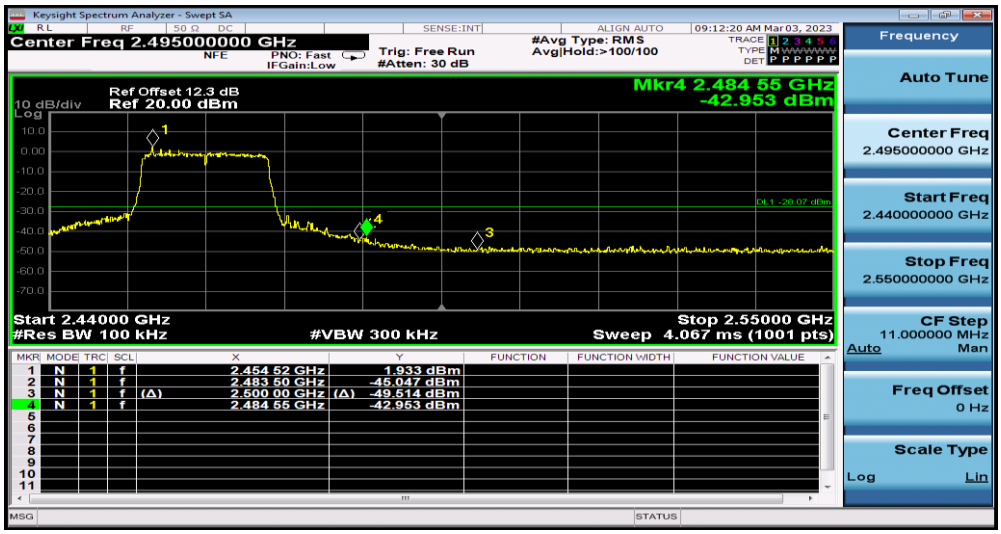
11G_Ant1_Low_2412



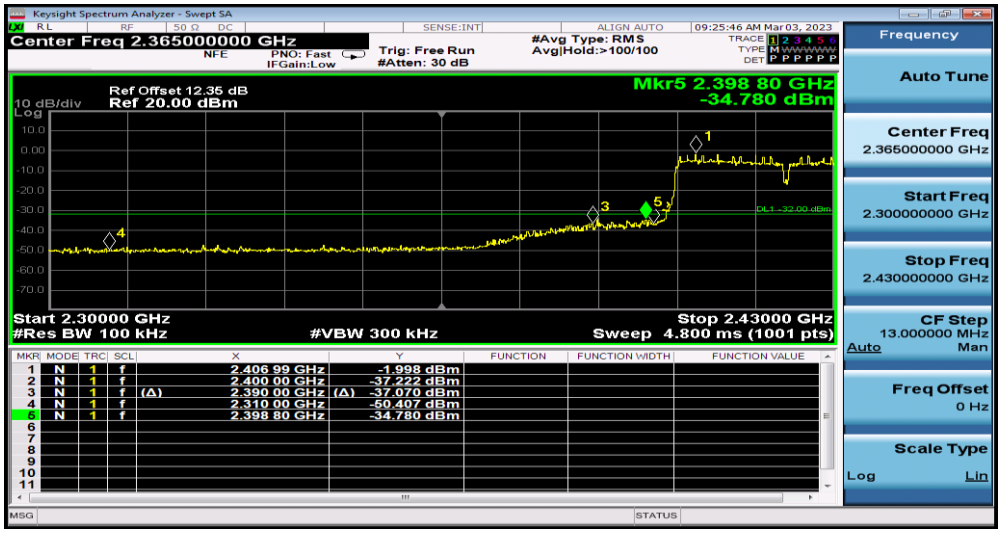
11G_Ant1_High_2462



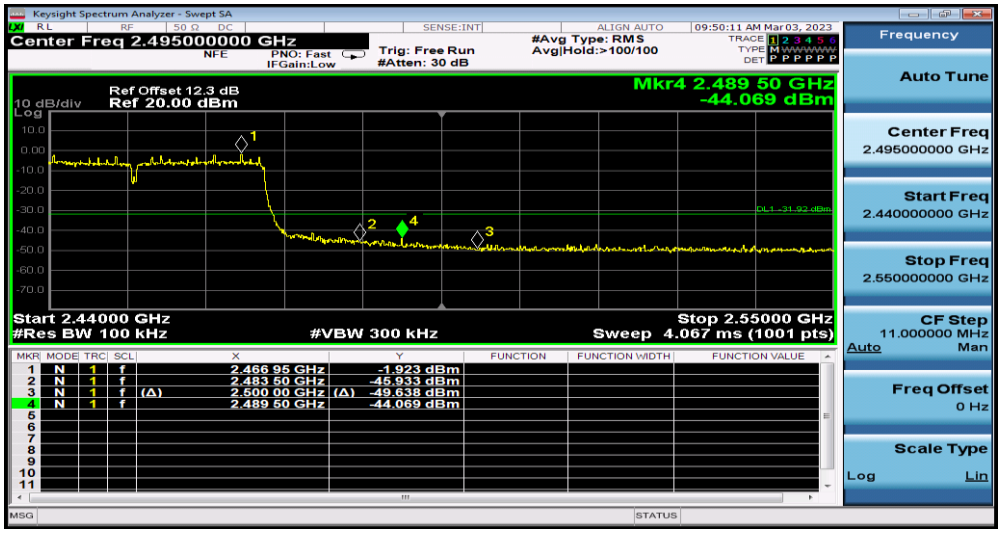
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

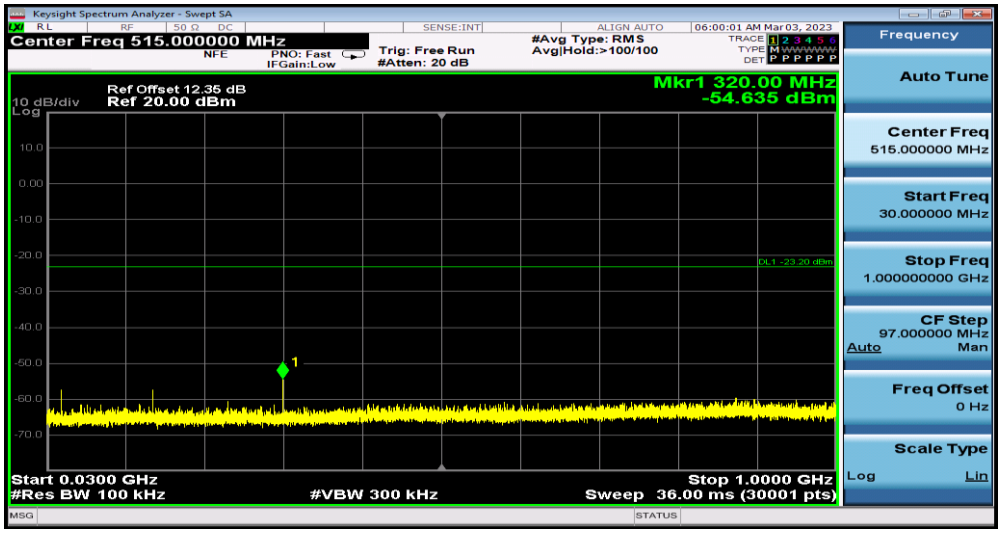
Appendix F: Conducted Spurious Emission

Test Result

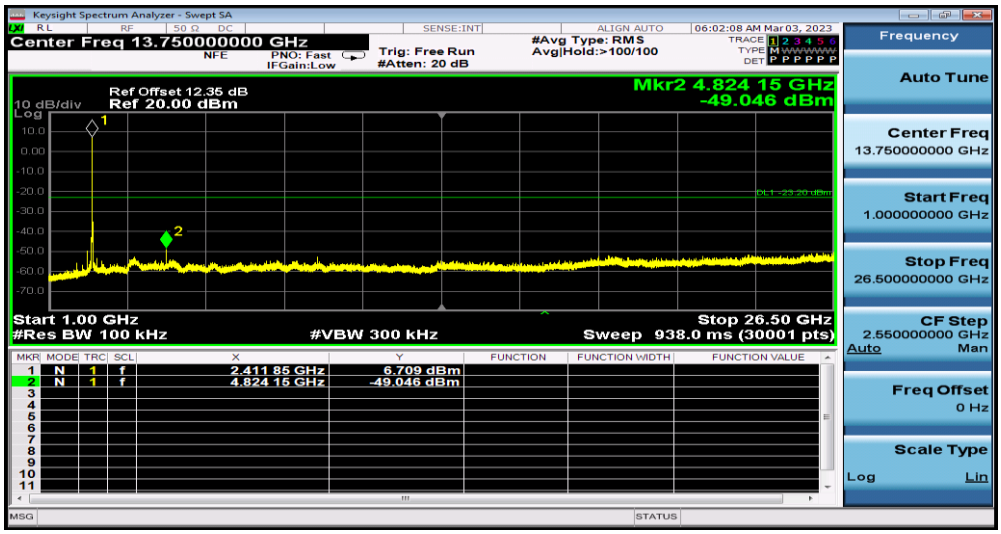
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.80	6.80	---	PASS
			30~1000	6.80	-54.64	≤-23.2	PASS
			1000~26500	6.80	-49.05	≤-23.2	PASS
		2437	Reference	6.47	6.47	---	PASS
			30~1000	6.47	-54.92	≤-23.53	PASS
			1000~26500	6.47	-49.88	≤-23.53	PASS
		2462	Reference	7.06	7.06	---	PASS
			30~1000	7.06	-55.18	≤-22.94	PASS
			1000~26500	7.06	-49.78	≤-22.94	PASS
11G	Ant1	2412	Reference	3.45	3.45	---	PASS
			30~1000	3.45	-56.53	≤-26.55	PASS
			1000~26500	3.45	-50.9	≤-26.55	PASS
		2437	Reference	6.69	6.69	---	PASS
			30~1000	6.69	-56.67	≤-23.31	PASS
			1000~26500	6.69	-50.62	≤-23.31	PASS
		2462	Reference	3.50	3.50	---	PASS
			30~1000	3.50	-58.57	≤-26.5	PASS
			1000~26500	3.50	-50.89	≤-26.5	PASS
11N20SISO	Ant1	2412	Reference	1.51	1.51	---	PASS
			30~1000	1.51	-58.42	≤-28.49	PASS
			1000~26500	1.51	-50.51	≤-28.49	PASS
		2437	Reference	1.52	1.52	---	PASS
			30~1000	1.52	-58.16	≤-28.48	PASS
			1000~26500	1.52	-51.13	≤-28.48	PASS
		2462	Reference	2.26	2.26	---	PASS
			30~1000	2.26	-58.24	≤-27.74	PASS
			1000~26500	2.26	-50.21	≤-27.74	PASS
11N40SISO	Ant1	2422	Reference	-1.33	-1.33	---	PASS
			30~1000	-1.33	-54.45	≤-31.33	PASS
			1000~26500	-1.33	-50.72	≤-31.33	PASS
		2437	Reference	-1.54	-1.54	---	PASS
			30~1000	-1.54	-51.49	≤-31.54	PASS
			1000~26500	-1.54	-50.91	≤-31.54	PASS
		2452	Reference	-2.08	-2.08	---	PASS
			30~1000	-2.08	-52.24	≤-32.08	PASS
			1000~26500	-2.08	-49.78	≤-32.08	PASS

Test Graphs

11B_Ant1_2412_0~Reference

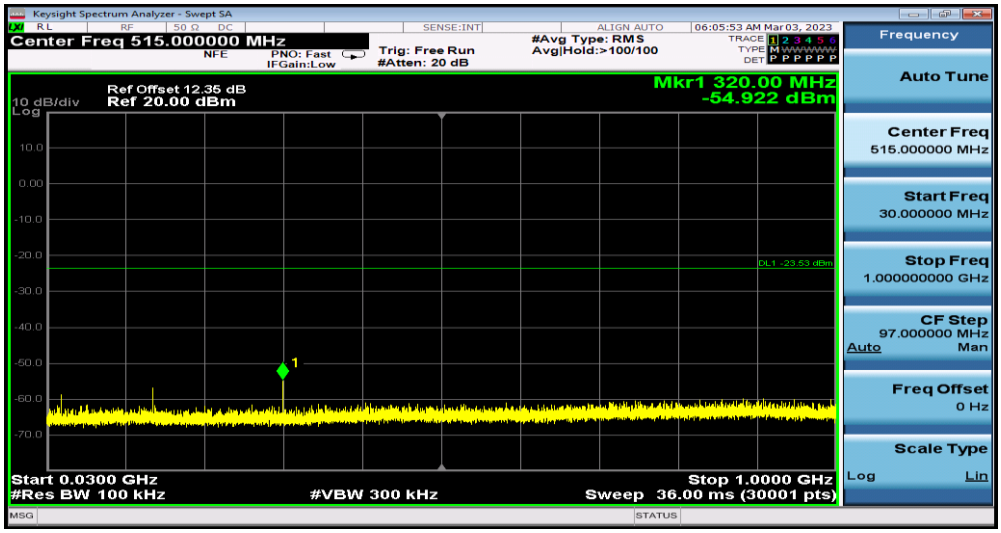


11B_Ant1_2412_30~1000

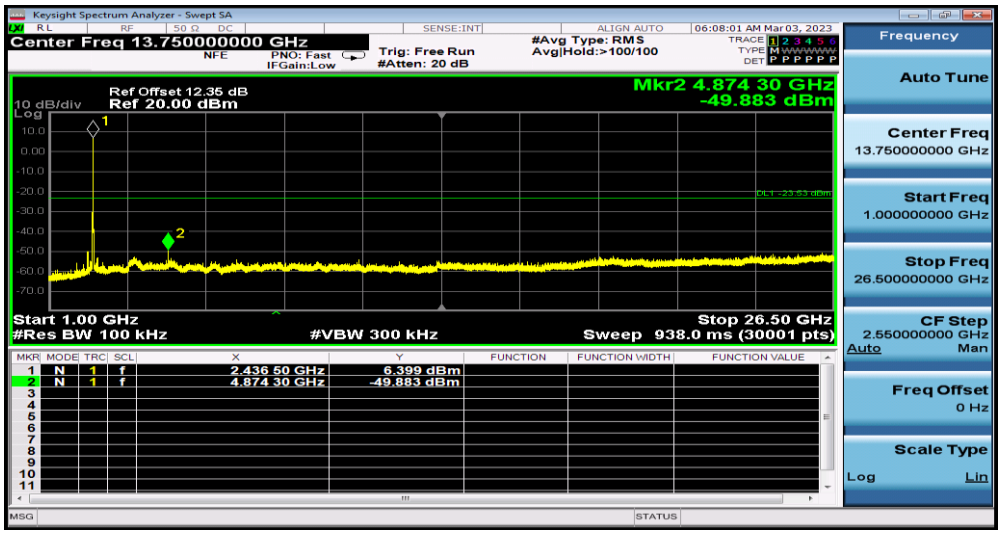


11B_Ant1_2412_1000~26500

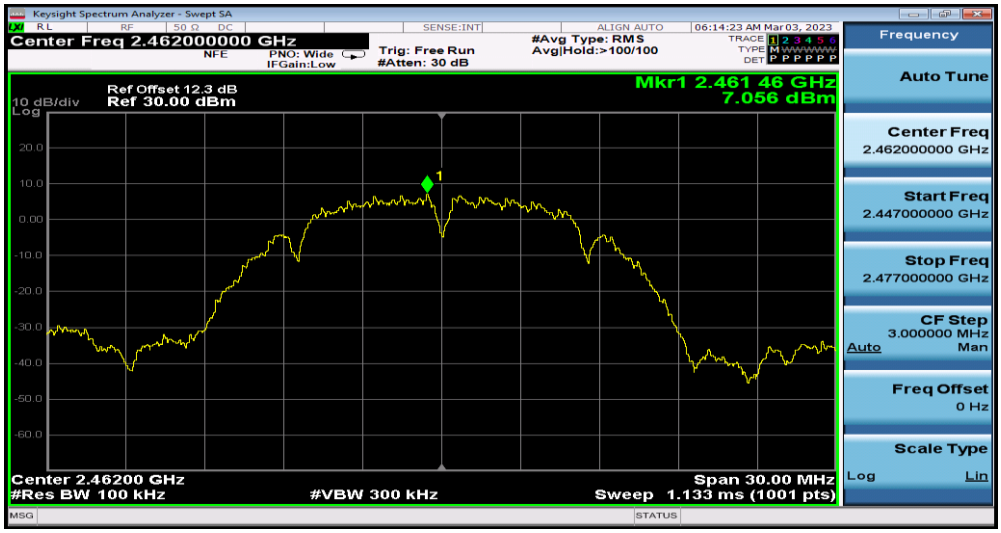
11B_Ant1_2437_0~Reference



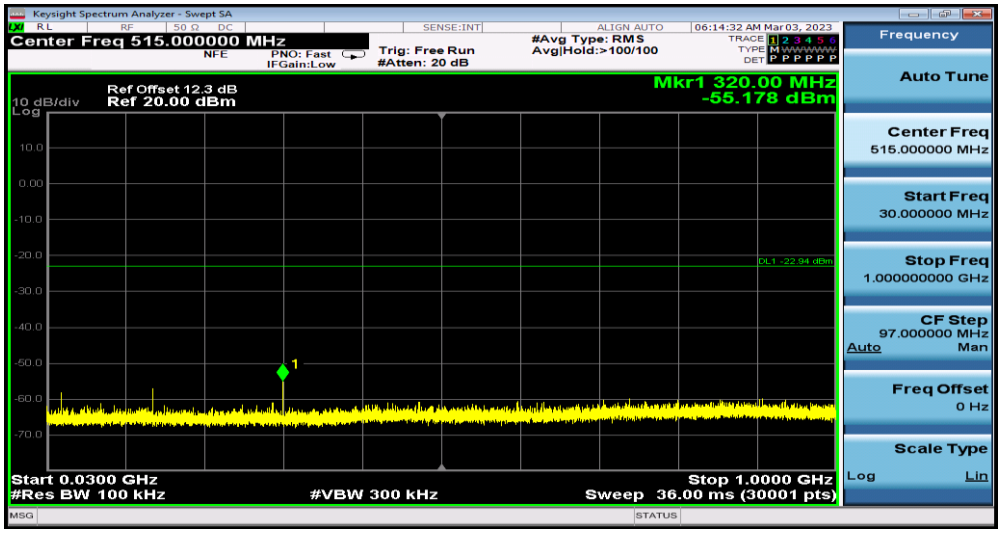
11B_Ant1_2437_30~1000



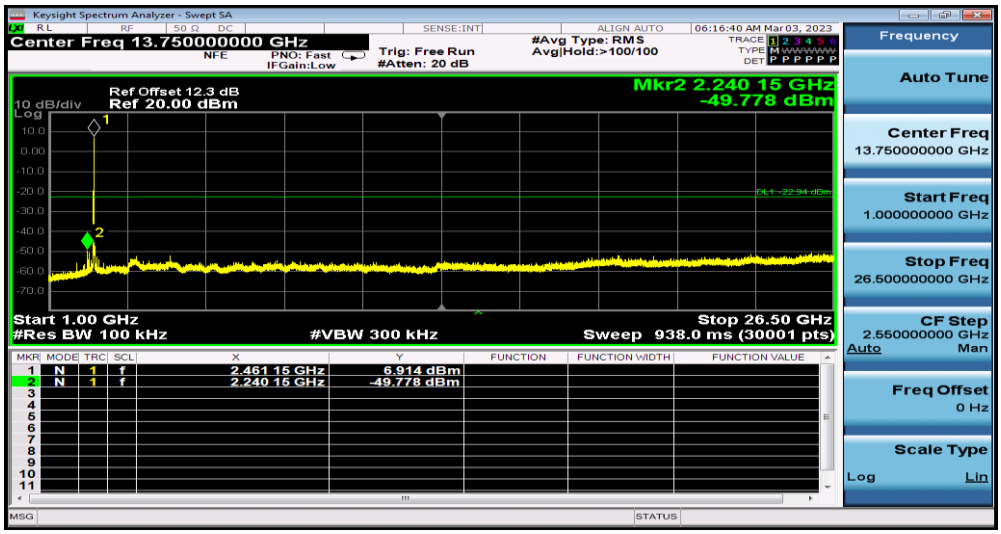
11B_Ant1_2437_1000~26500



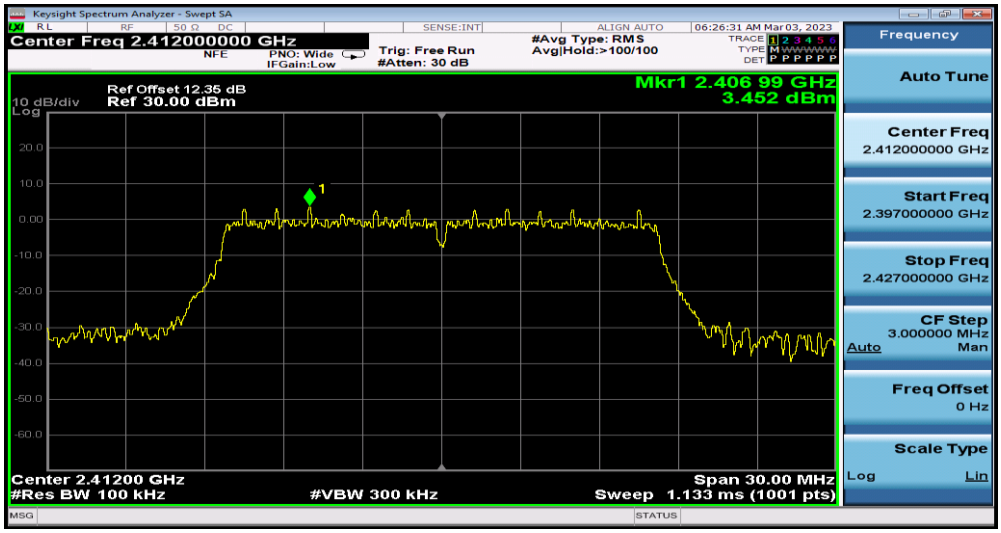
11B_Ant1_2462_0~Reference



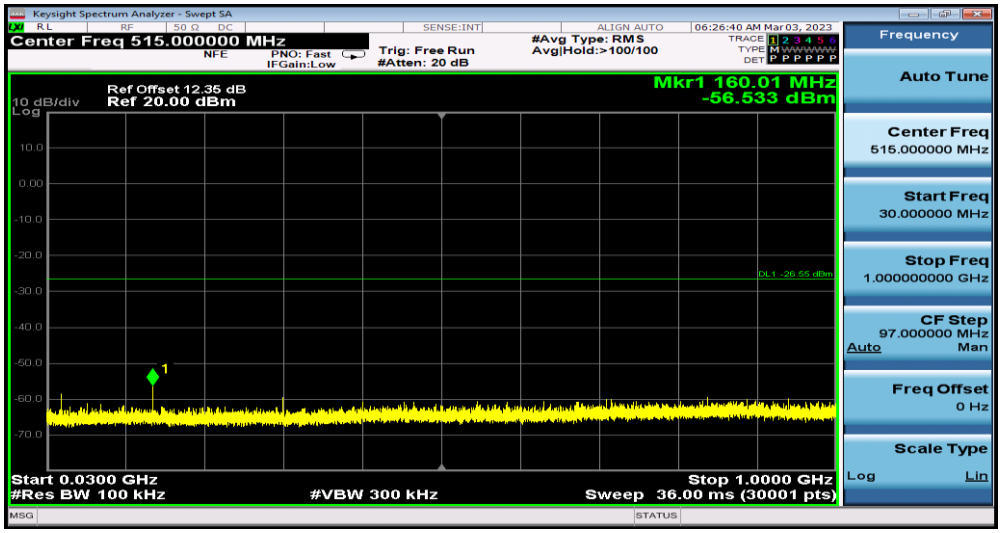
11B_Ant1_2462_30~1000



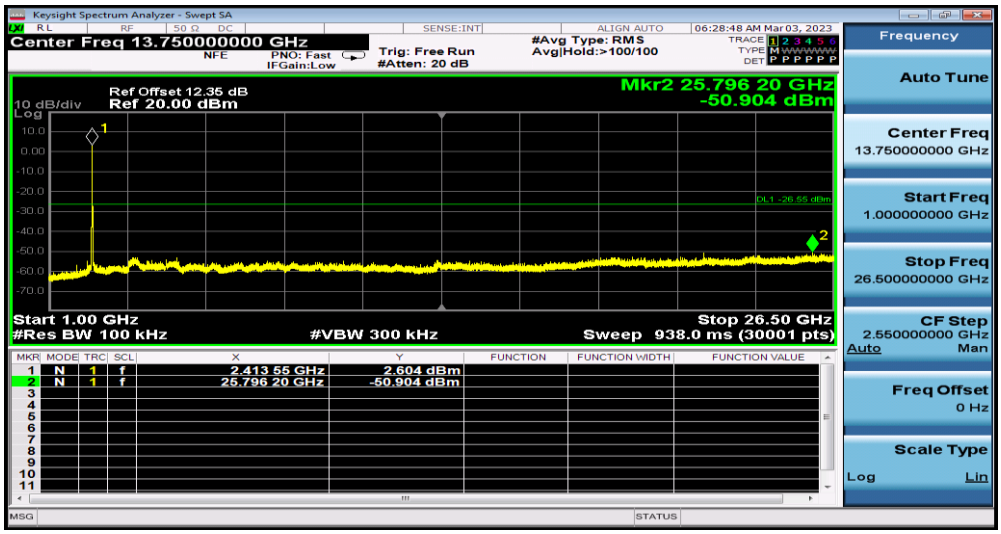
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

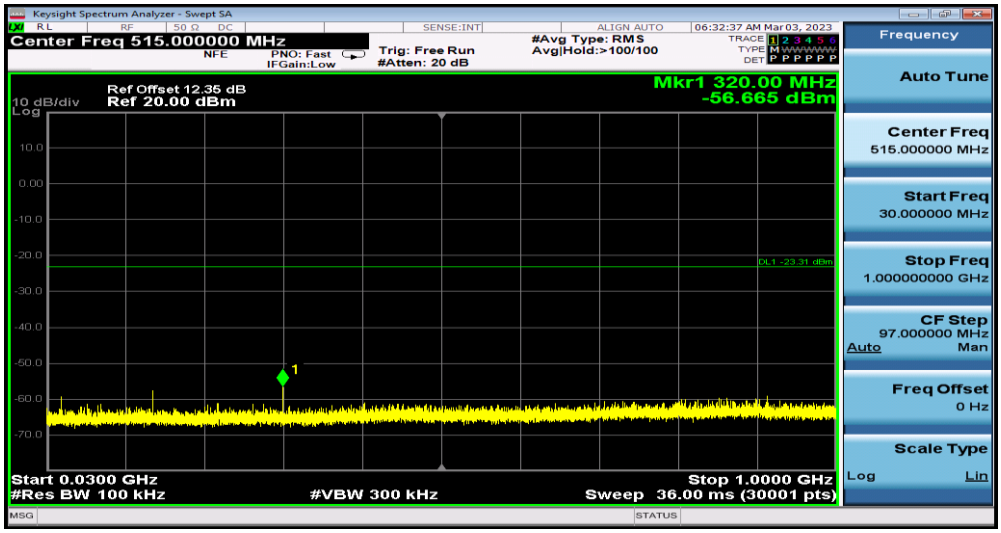


11G_Ant1_2412_30~1000

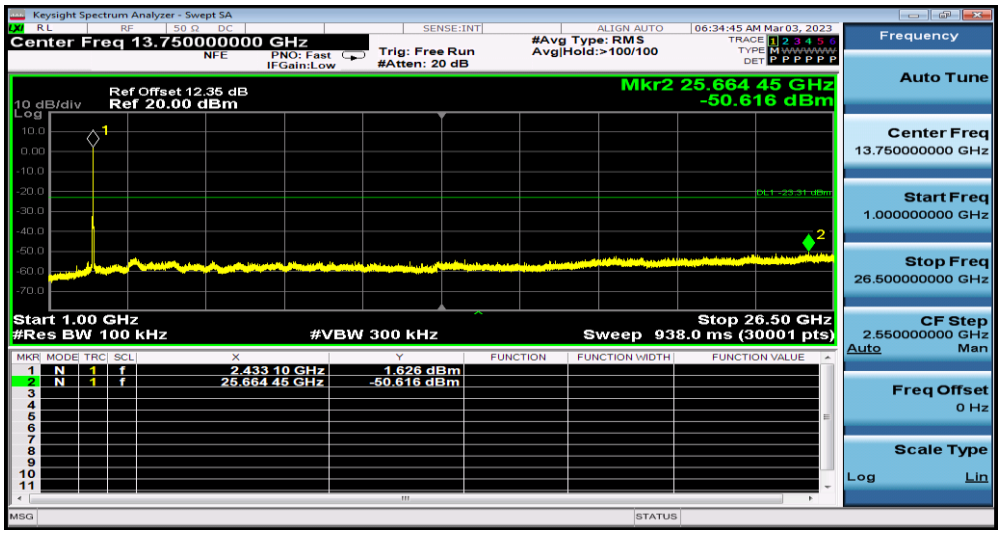


11G_Ant1_2412_1000~26500

11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500