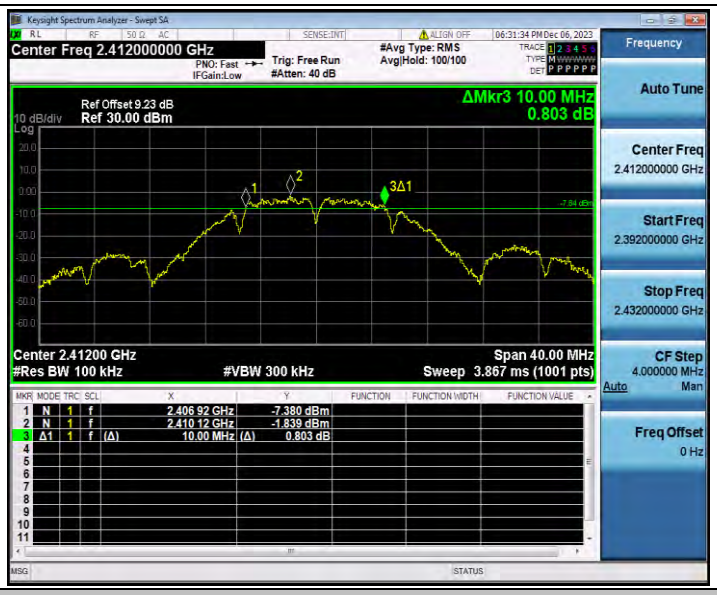
Case No. : GTS20231012003-1-4	
Ambient Condition: 23 ℃, 49 %RH, Atmos100.1Kpa,	
Test Date: 2023.12.6	**Test Engineer:** Evan ouyang

Appendix C.1: DTS Bandwidth

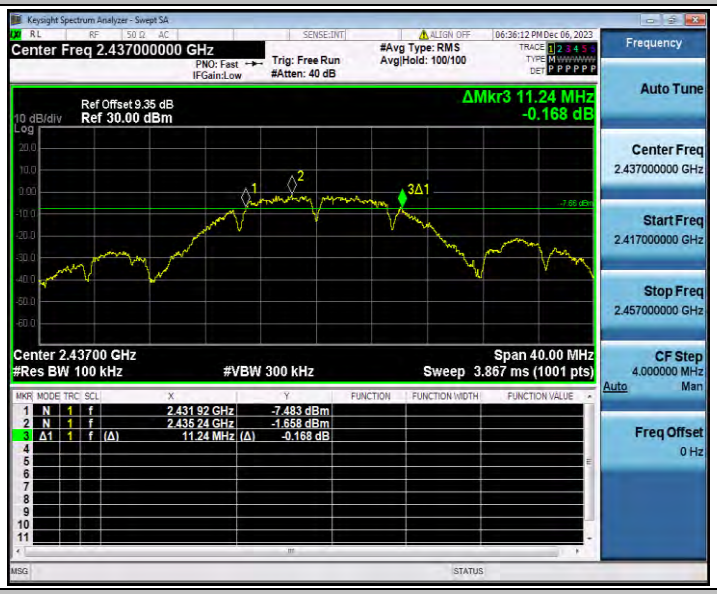
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant3	2412	10.000	2406.920	2416.920	0.5	PASS
		2437	11.240	2431.920	2443.160	0.5	PASS
		2462	10.080	2456.920	2467.000	0.5	PASS
11G	Ant3	2412	16.040	2403.840	2419.880	0.5	PASS
		2437	15.440	2429.440	2444.880	0.5	PASS
		2462	15.320	2454.480	2469.800	0.5	PASS
11N20SISO	Ant3	2412	17.600	2403.160	2420.760	0.5	PASS
		2437	17.200	2428.560	2445.760	0.5	PASS
		2462	16.920	2453.200	2470.120	0.5	PASS
11N40SISO	Ant3	2422	36.080	2403.760	2439.840	0.5	PASS
		2437	36.080	2418.760	2454.840	0.5	PASS
		2452	36.000	2433.840	2469.840	0.5	PASS

Test Graphs

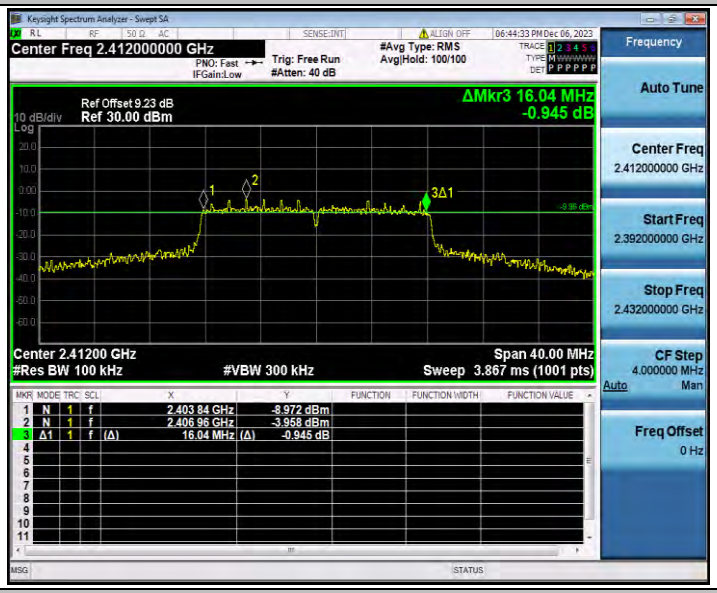


11B_Ant3_2412



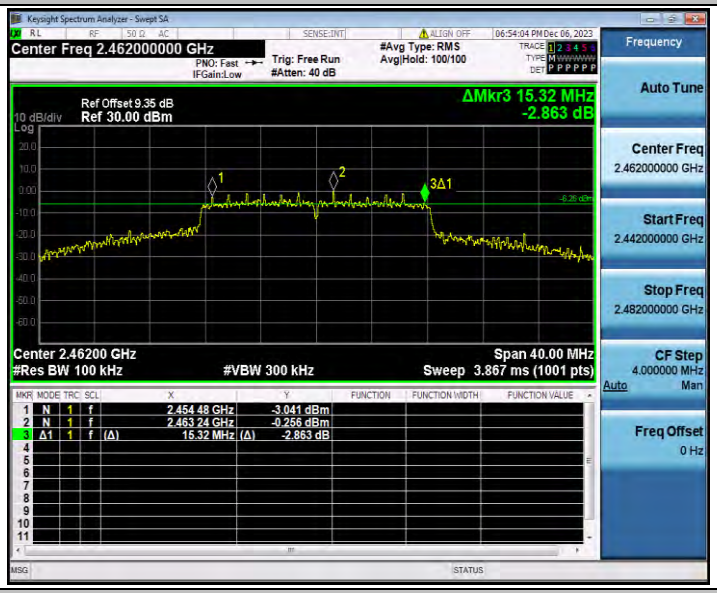
11B_Ant3_2437

11B_Ant3_2462

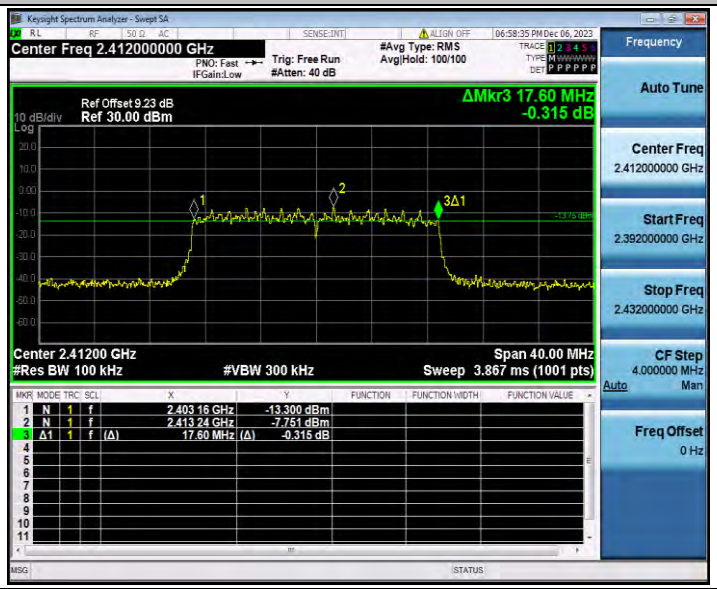


11G_Ant3_2412

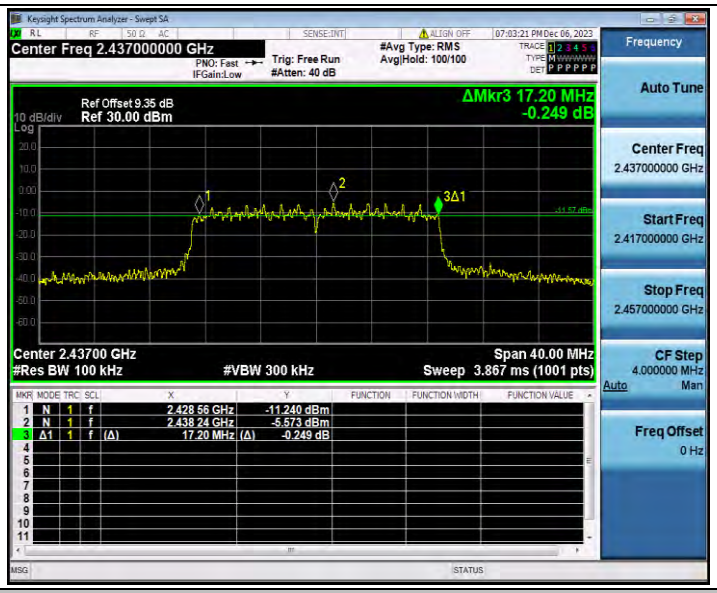
11G_Ant3_2437



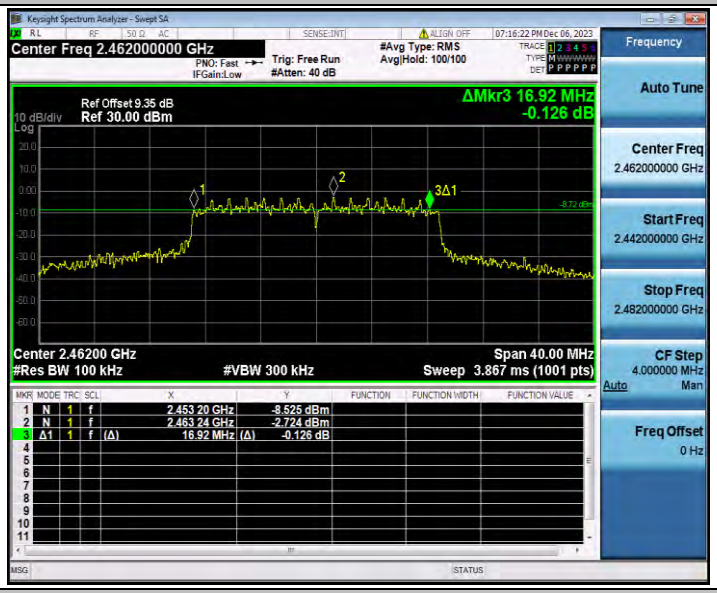
11G_Ant3_2462



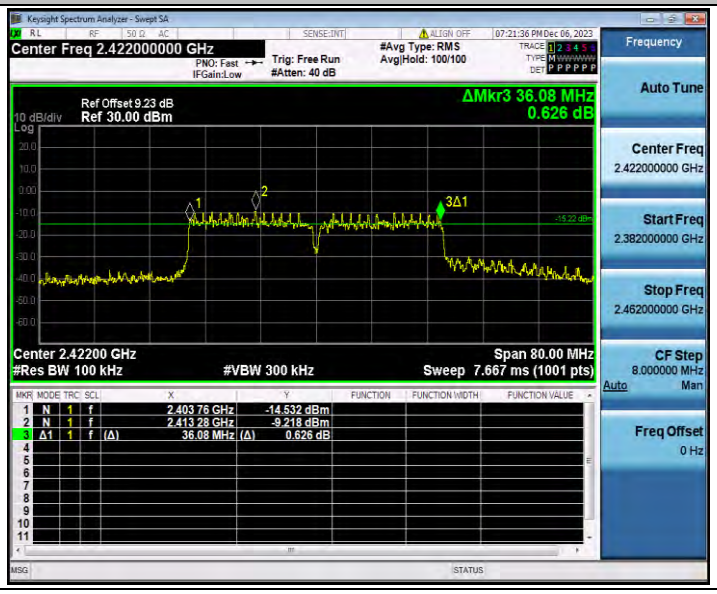
11N20SISO_Ant3_2412



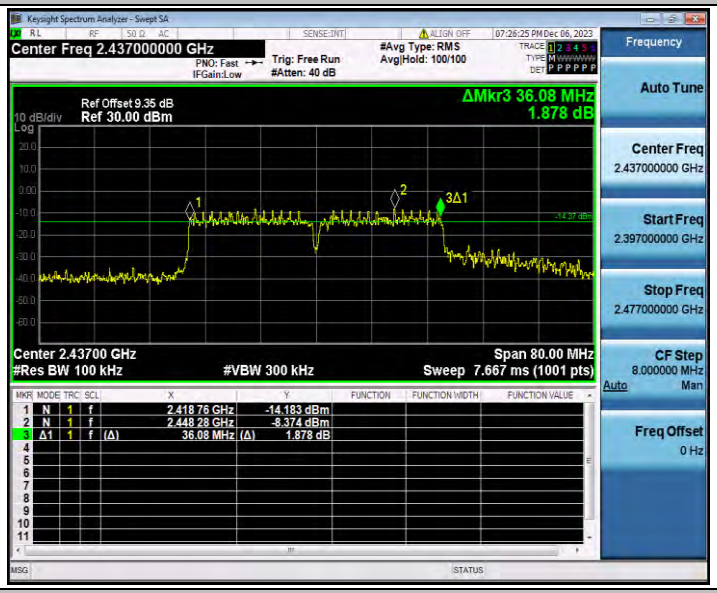
11N20SISO_Ant3_2437



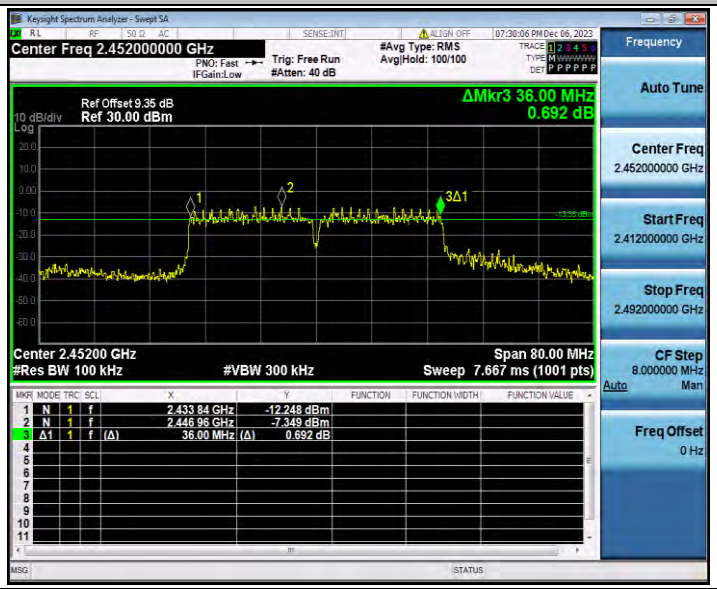
11N20SISO_Ant3_2462



11N40SISO_Ant3_2422



11N40SISO_Ant3_2437



11N40SISO_Ant3_2452

Appendix C.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant3	2412	16.551	2404.074	2420.625	---	---
		2437	20.812	2428.995	2449.807	---	---
		2462	20.309	2453.775	2474.084	---	---
11G	Ant3	2412	20.693	2401.150	2421.843	---	---
		2437	20.715	2427.098	2447.813	---	---
		2462	26.345	2448.243	2474.588	---	---
11N20SISO	Ant3	2412	17.710	2403.098	2420.808	---	---
		2437	17.776	2428.103	2445.879	---	---
		2462	18.175	2452.717	2470.892	---	---
11N40SISO	Ant3	2422	42.936	2403.634	2446.570	---	---
		2437	44.247	2418.664	2462.911	---	---
		2452	40.136	2433.663	2473.799	---	---

Test Graphs

11B_Ant3_2412

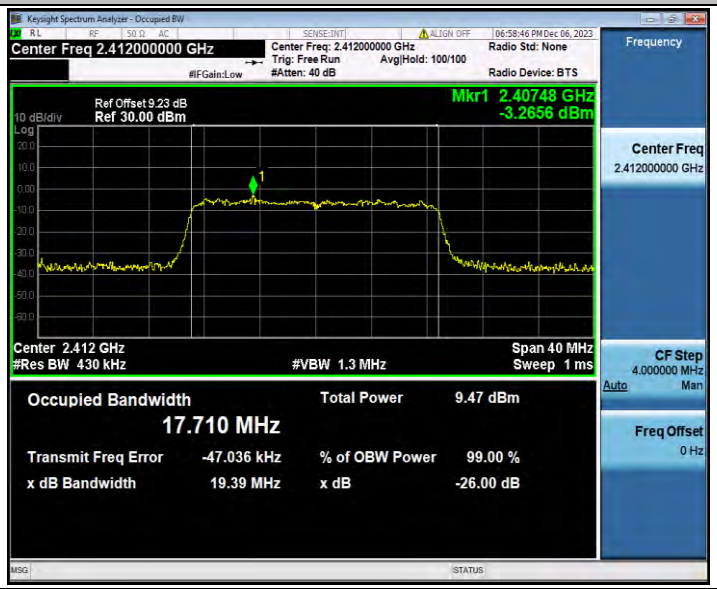
11B_Ant3_2437

11B_Ant3_2462

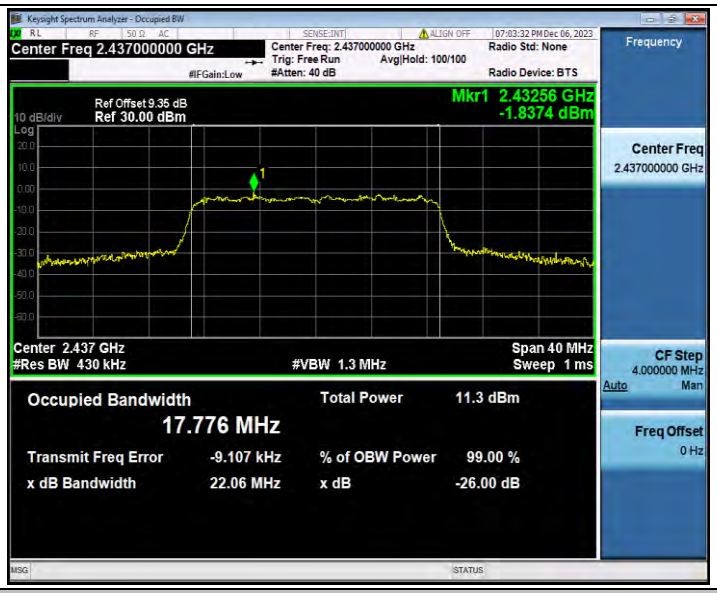
11G_Ant3_2412

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.3: Maximum conducted output power

Test Result Peak

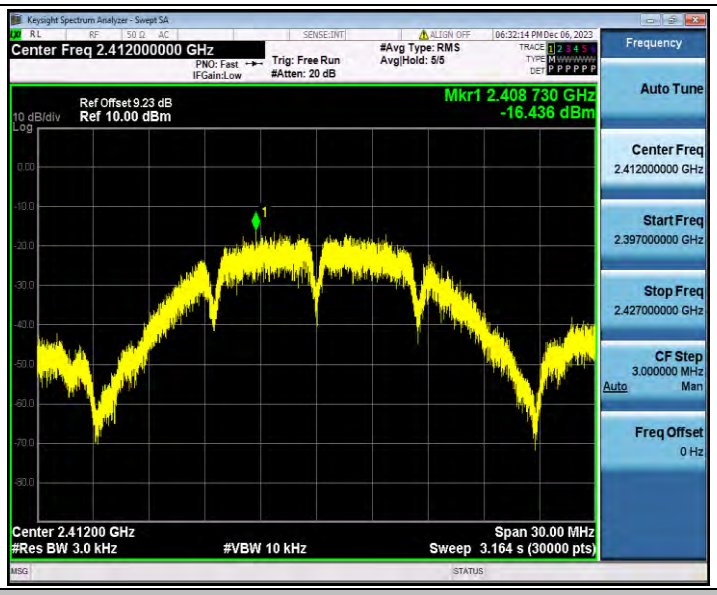
Test Mode	Antenna	Frequency[MHz]	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant3	2412	16.17	≤30.00	PASS
		2437	16.14	≤30.00	PASS
		2462	16.30	≤30.00	PASS
11G	Ant3	2412	16.65	≤30.00	PASS
		2437	17.50	≤30.00	PASS
		2462	17.68	≤30.00	PASS
11N20SISO	Ant3	2412	16.36	≤30.00	PASS
		2437	16.14	≤30.00	PASS
		2462	16.59	≤30.00	PASS
11N40SISO	Ant3	2422	16.10	≤30.00	PASS
		2437	16.36	≤30.00	PASS
		2452	16.36	≤30.00	PASS

Appendix C.4: Maximum power spectral density

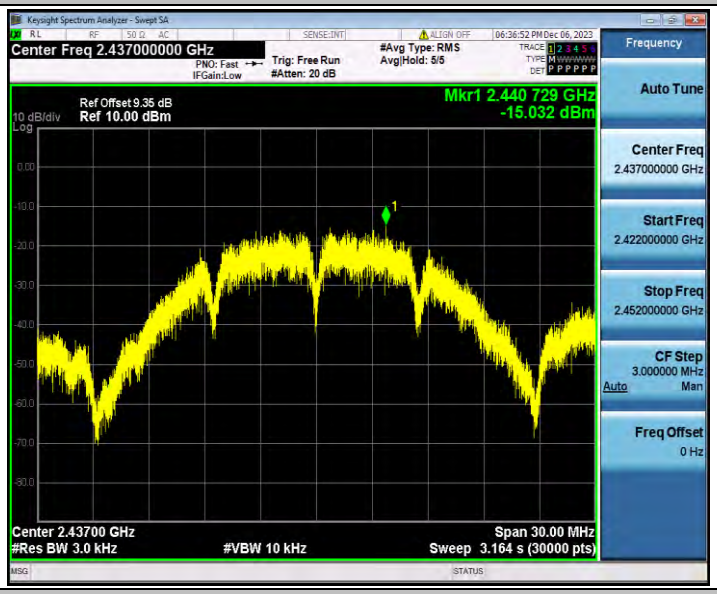
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant3	2412	-16.44	≤8.00	PASS
		2437	-15.03	≤8.00	PASS
		2462	-12.92	≤8.00	PASS
11G	Ant3	2412	-18.92	≤8.00	PASS
		2437	-18.39	≤8.00	PASS
		2462	-12.61	≤8.00	PASS
11N20SISO	Ant3	2412	-21.14	≤8.00	PASS
		2437	-18.74	≤8.00	PASS
		2462	-15.71	≤8.00	PASS
11N40SISO	Ant3	2422	-21.18	≤8.00	PASS
		2437	-19.69	≤8.00	PASS
		2452	-19.02	≤8.00	PASS

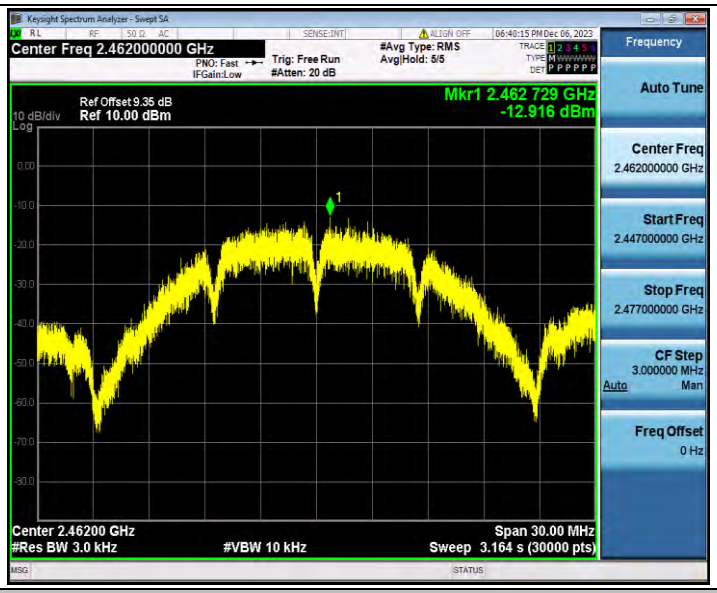
Test Graphs



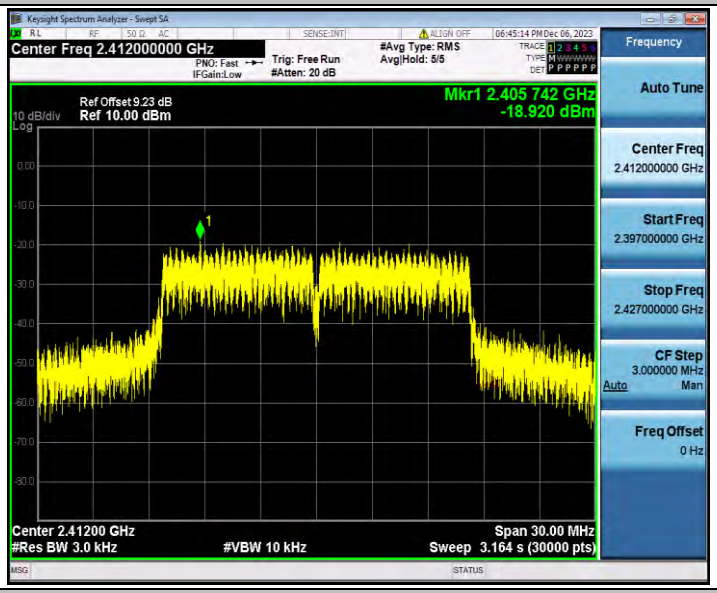
11B_Ant3_2412



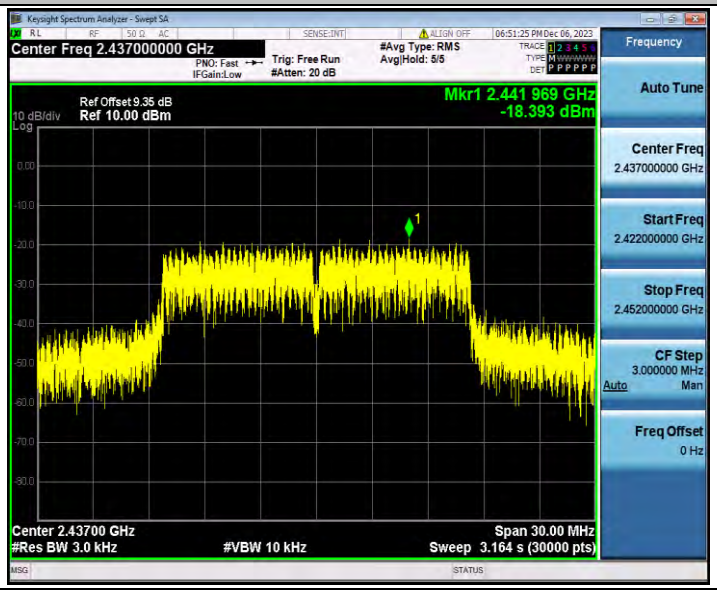
11B_Ant3_2437



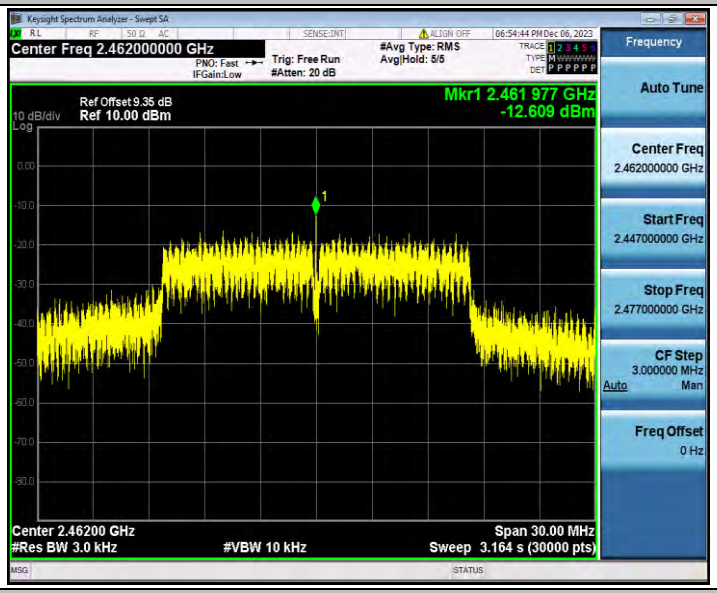
11B_Ant3_2462



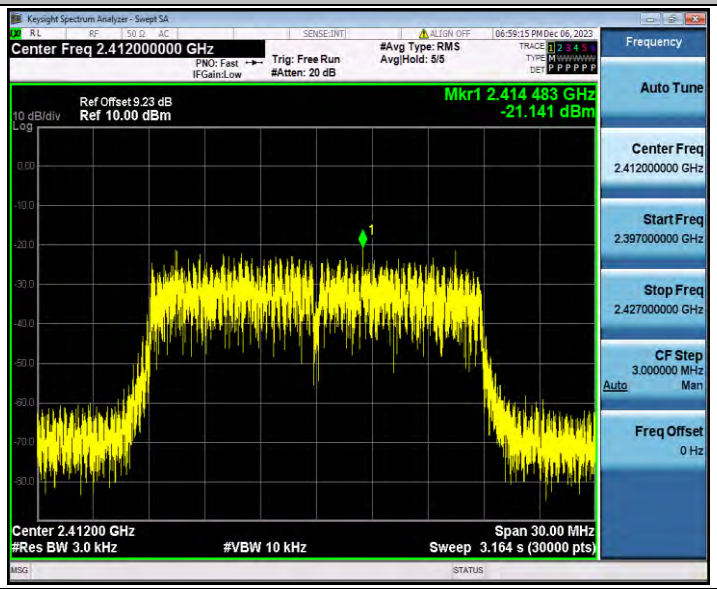
11G_Ant3_2412



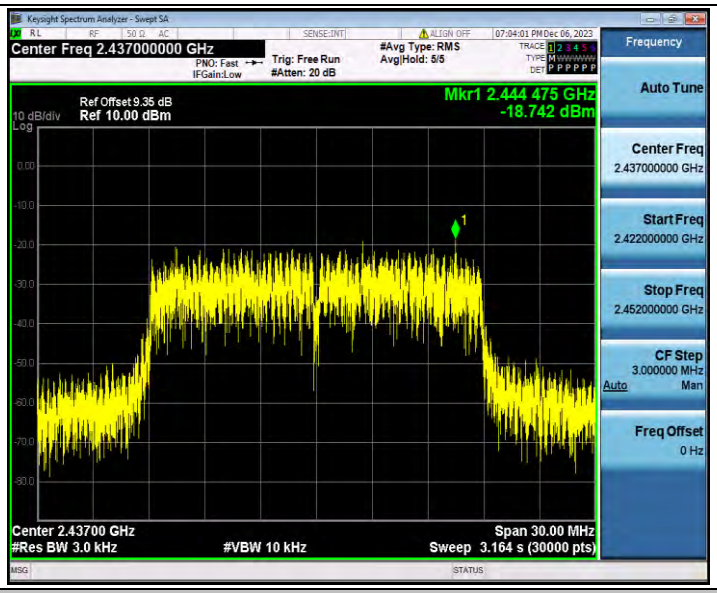
11G_Ant3_2437



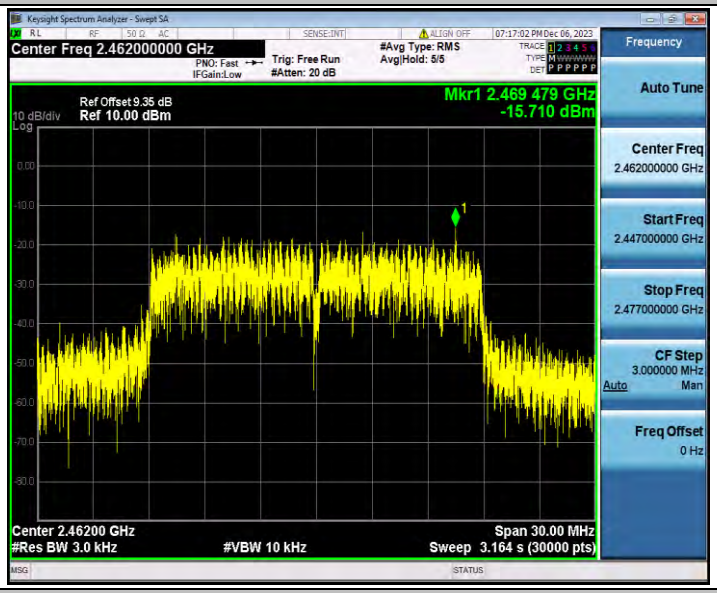
11G_Ant3_2462



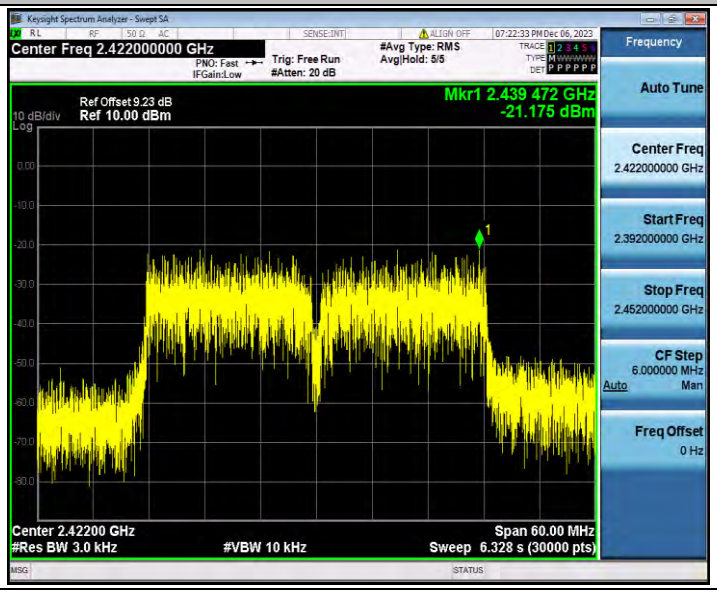
11N20SISO_Ant3_2412



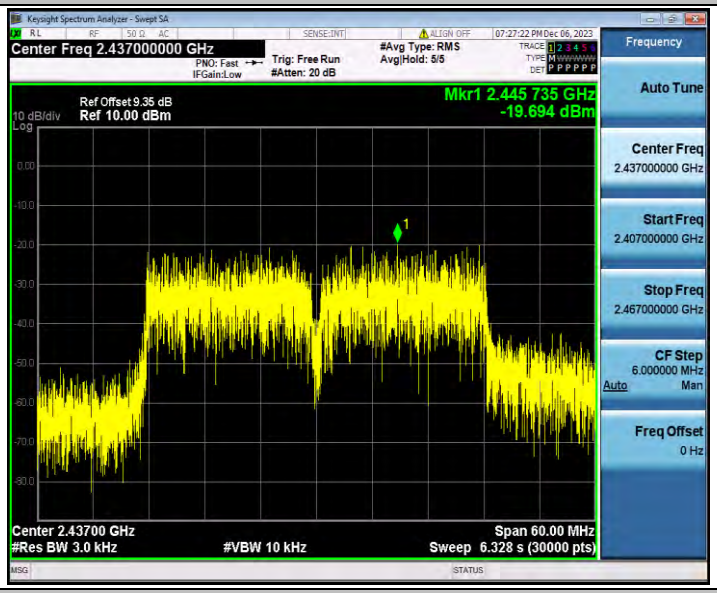
11N20SISO_Ant3_2437



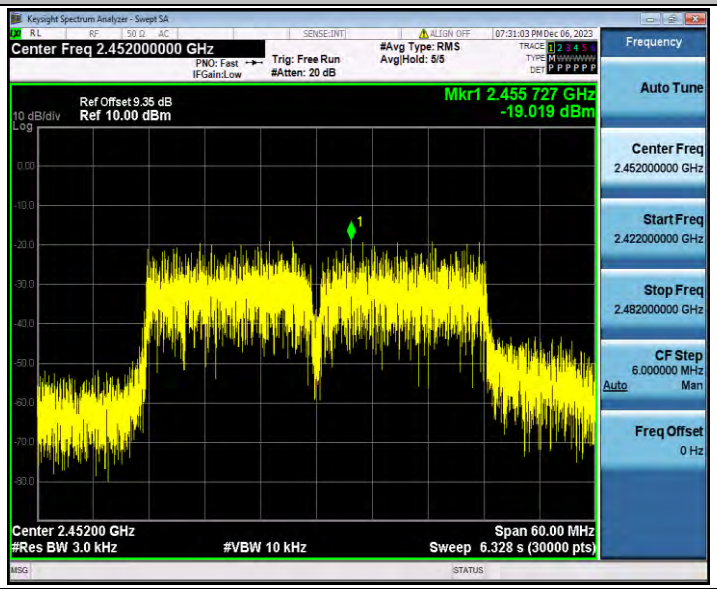
11N20SISO_Ant3_2462



11N40SISO_Ant3_2422



11N40SISO_Ant3_2437



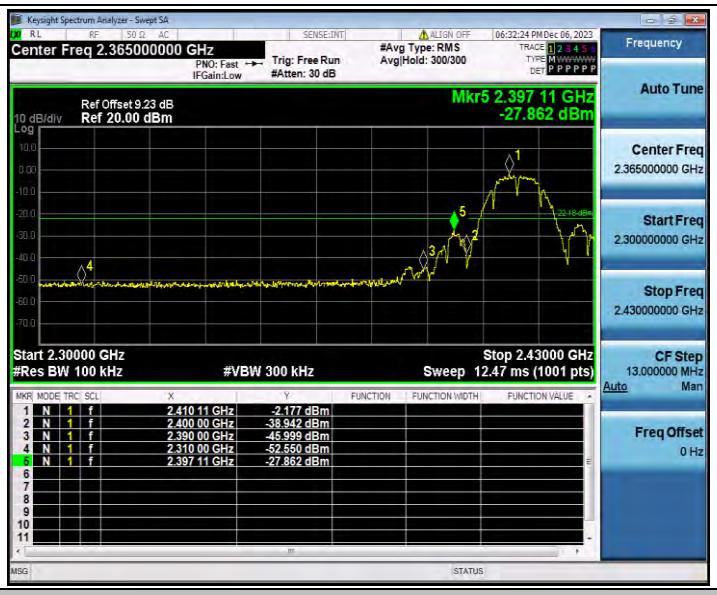
11N40SISO_Ant3_2452

Appendix C.5: Band edge measurements

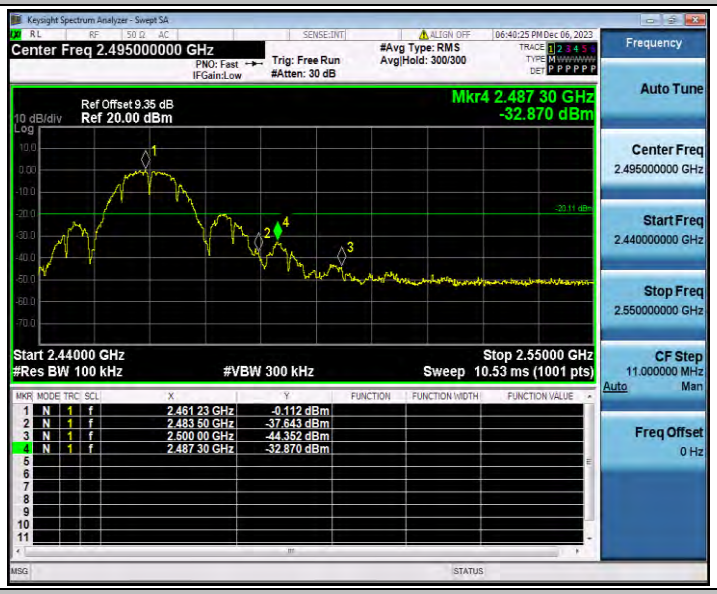
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant3	Low	2412	-2.18	-27.86	≤-22.18	PASS
		High	2462	-0.11	-32.87	≤-20.11	PASS
11G	Ant3	Low	2412	-3.94	-27.99	≤-23.94	PASS
		High	2462	-0.99	-34.69	≤-20.99	PASS
11N20SISO	Ant3	Low	2412	-7.69	-42.66	≤-27.69	PASS
		High	2462	-2.65	-39.66	≤-22.65	PASS
11N40SISO	Ant3	Low	2422	-9.28	-37.32	≤-29.28	PASS
		High	2452	-7.27	-32.86	≤-27.27	PASS

Test Graphs

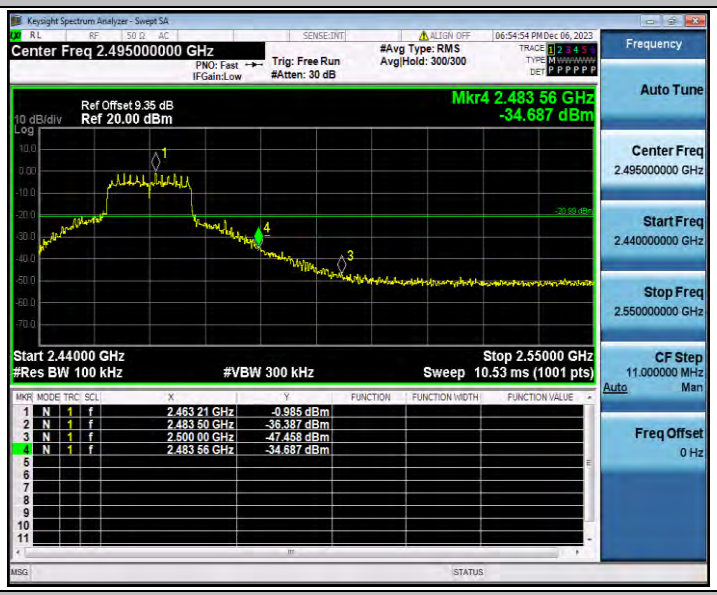


11B_Ant3_Low_2412

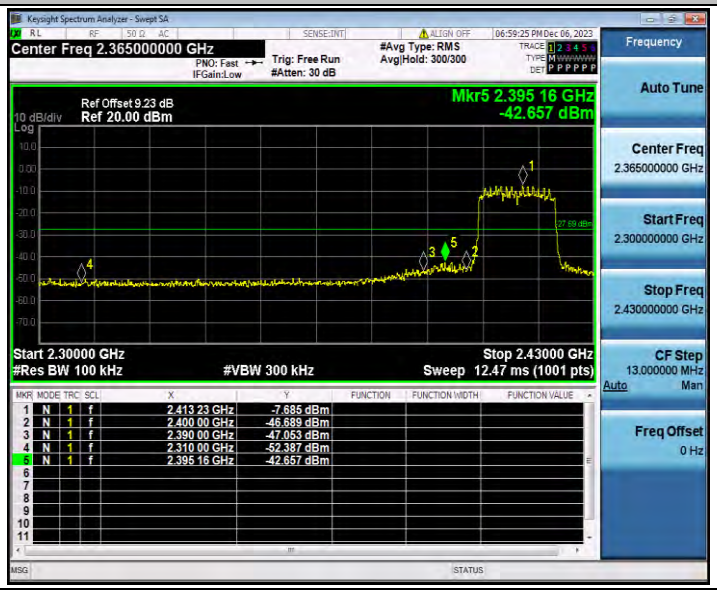


11B_Ant3_High_2462

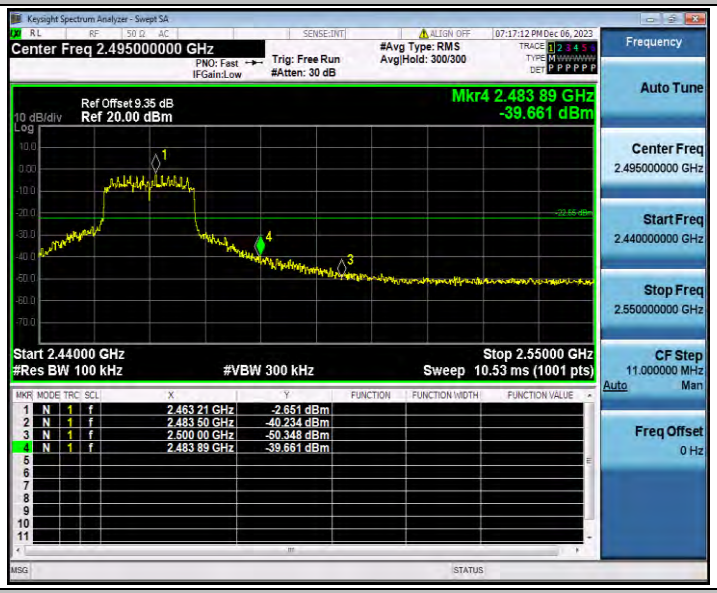
11G_Ant3_Low_2412



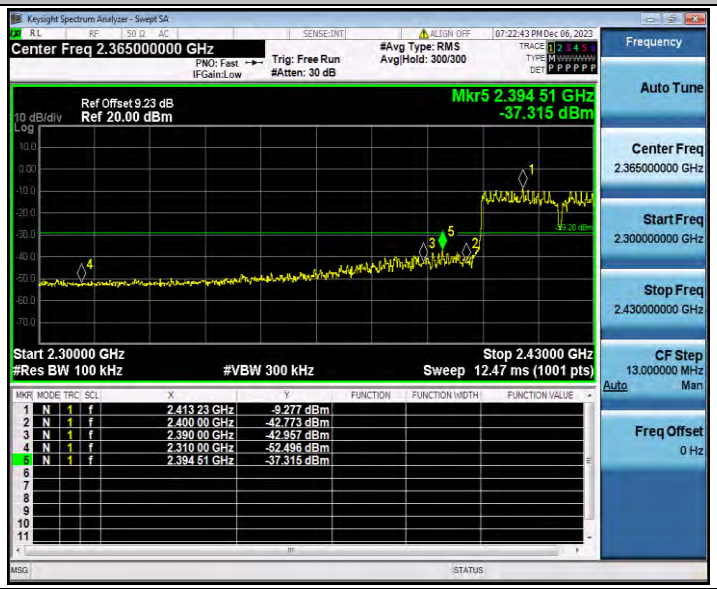
11G_Ant3_High_2462



11N20SISO_Ant3_Low_2412



11N20SISO_Ant3_High_2462



11N40SISO_Ant3_Low_2422

11N40SISO_Ant3_High_2452

Appendix C.6: Conducted Spurious Emission

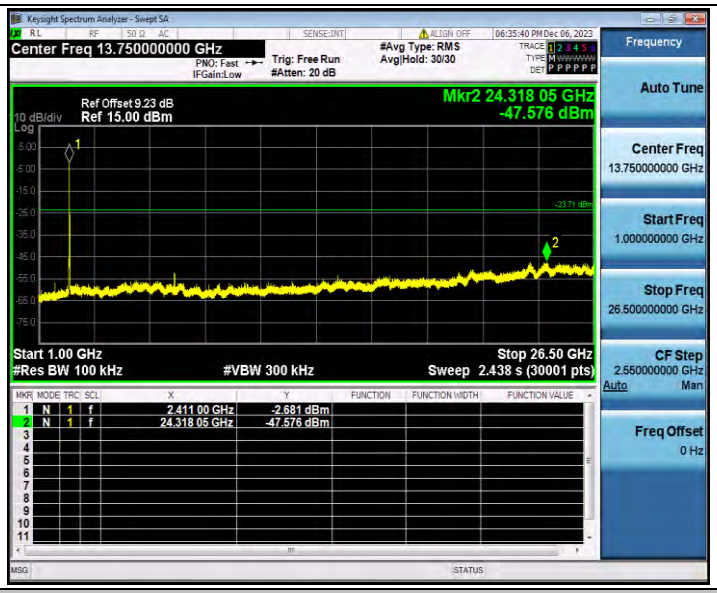
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant3	2412	Reference	-3.71	-3.71	---	PASS
			30~1000	-3.71	-60.66	≤-23.71	PASS
			1000~26500	-3.71	-47.58	≤-23.71	PASS
		2437	Reference	-1.68	-1.68	---	PASS
			30~1000	-1.68	-59.58	≤-21.68	PASS
			1000~26500	-1.68	-47.51	≤-21.68	PASS
		2462	Reference	-0.17	-0.17	---	PASS
			30~1000	-0.17	-60.19	≤-20.17	PASS
			1000~26500	-0.17	-47.47	≤-20.17	PASS
11G	Ant3	2412	Reference	-4.47	-4.47	---	PASS
			30~1000	-4.47	-60.53	≤-24.47	PASS
			1000~26500	-4.47	-47.09	≤-24.47	PASS
		2437	Reference	-5.03	-5.03	---	PASS
			30~1000	-5.03	-59.78	≤-25.03	PASS
			1000~26500	-5.03	-47.57	≤-25.03	PASS
		2462	Reference	-1.04	-1.04	---	PASS
			30~1000	-1.04	-60.47	≤-21.04	PASS
			1000~26500	-1.04	-47.18	≤-21.04	PASS
11N20SISO	Ant3	2412	Reference	-7.67	-7.67	---	PASS
			30~1000	-7.67	-59.71	≤-27.67	PASS
			1000~26500	-7.67	-47.08	≤-27.67	PASS
		2437	Reference	-6.76	-6.76	---	PASS
			30~1000	-6.76	-60.49	≤-26.76	PASS
			1000~26500	-6.76	-46.75	≤-26.76	PASS
		2462	Reference	-2.74	-2.74	---	PASS
			30~1000	-2.74	-58.87	≤-22.74	PASS
			1000~26500	-2.74	-47.63	≤-22.74	PASS
11N40SISO	Ant3	2422	Reference	-10.05	-10.05	---	PASS
			30~1000	-10.05	-59.27	≤-30.05	PASS
			1000~26500	-10.05	-47.46	≤-30.05	PASS
		2437	Reference	-8.40	-8.40	---	PASS
			30~1000	-8.40	-60.71	≤-28.4	PASS
			1000~26500	-8.40	-47.55	≤-28.4	PASS
		2452	Reference	-7.32	-7.32	---	PASS
			30~1000	-7.32	-60.55	≤-27.32	PASS
			1000~26500	-7.32	-47.4	≤-27.32	PASS

Test Graphs

11B_Ant3_2412_0~Reference

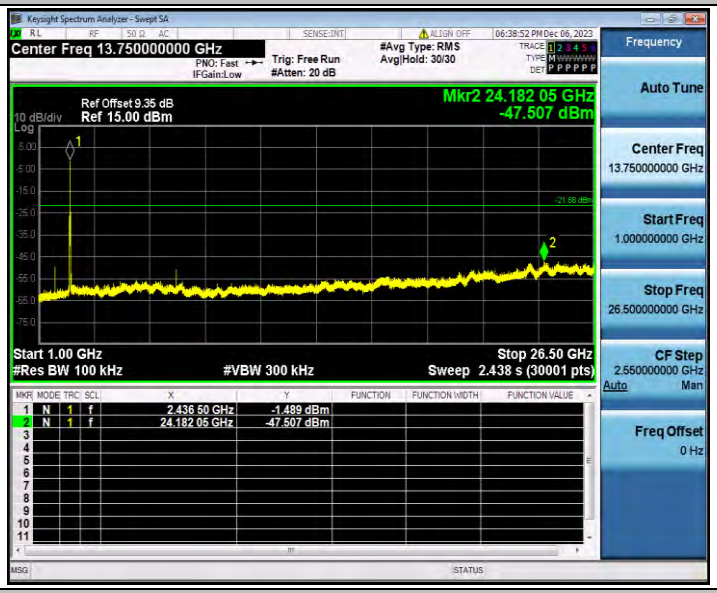
11B_Ant3_2412_30~1000



11B_Ant3_2412_1000~26500

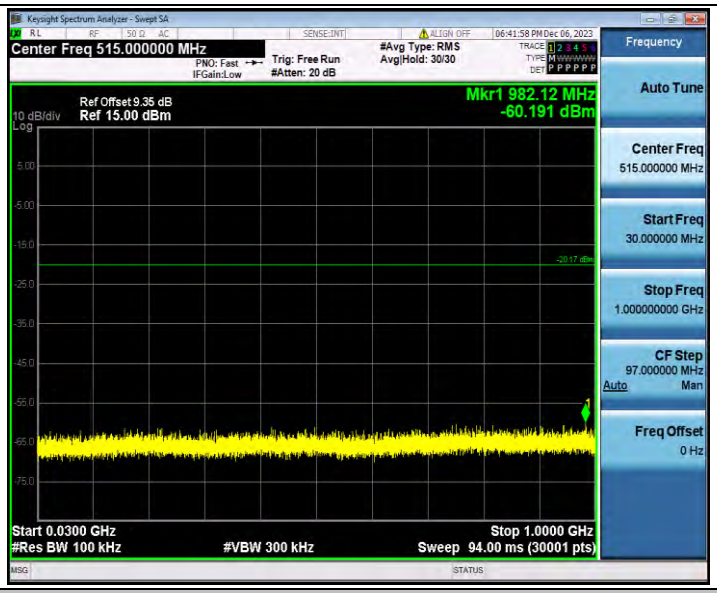
11B_Ant3_2437_0~Reference

11B_Ant3_2437_30~1000

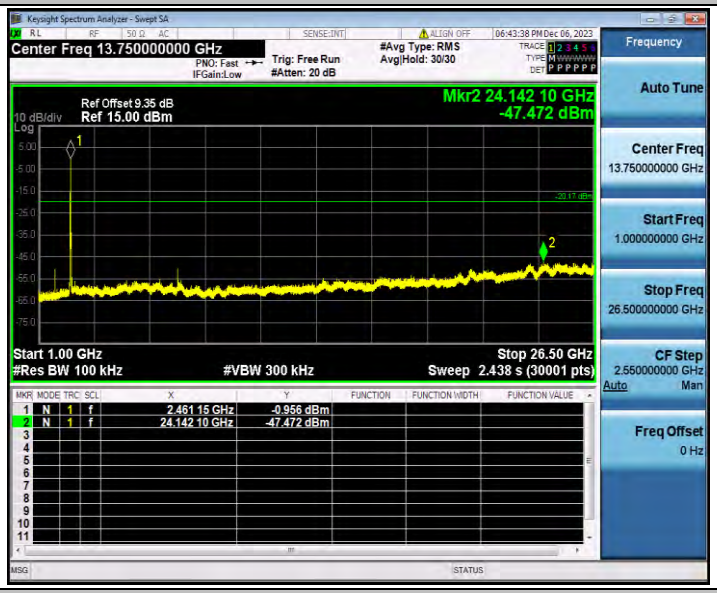


11B_Ant3_2437_1000~26500

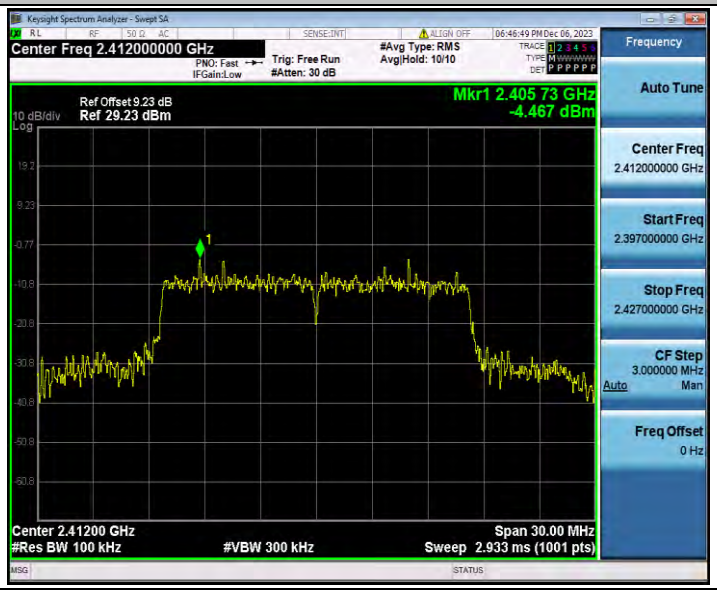
11B_Ant3_2462_0~Reference



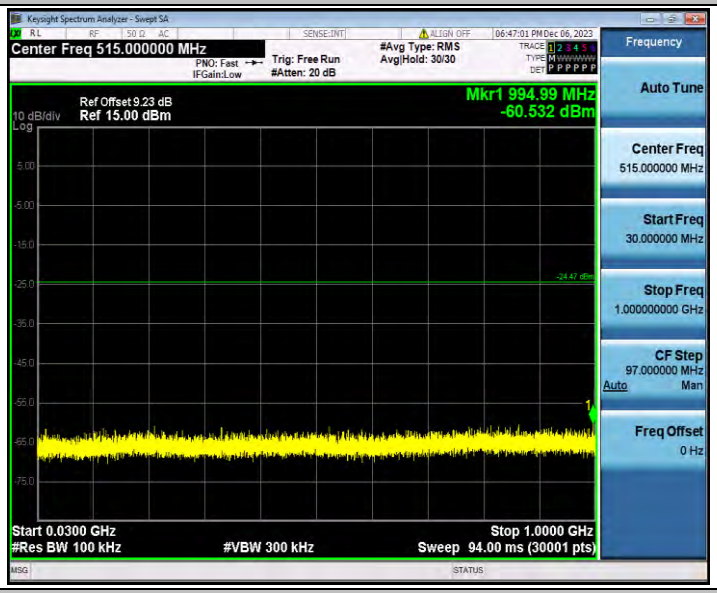
11B_Ant3_2462_30~1000



11B_Ant3_2462_1000~26500



11G_Ant3_2412_0~Reference



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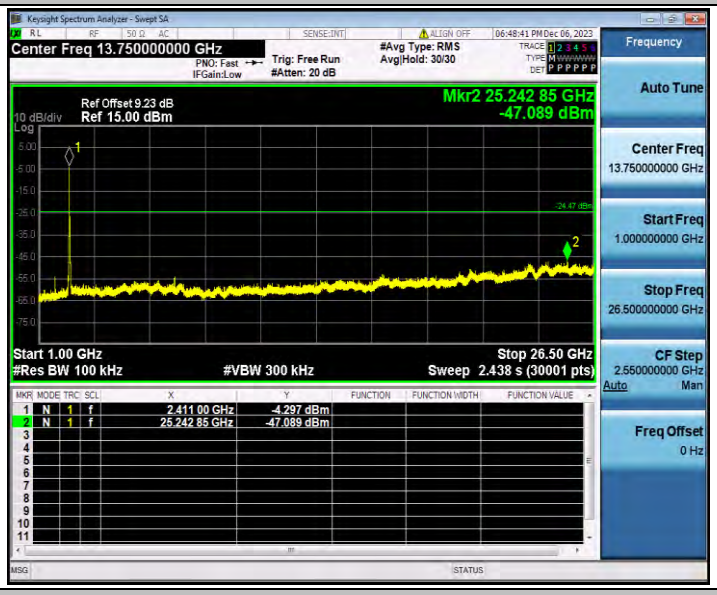
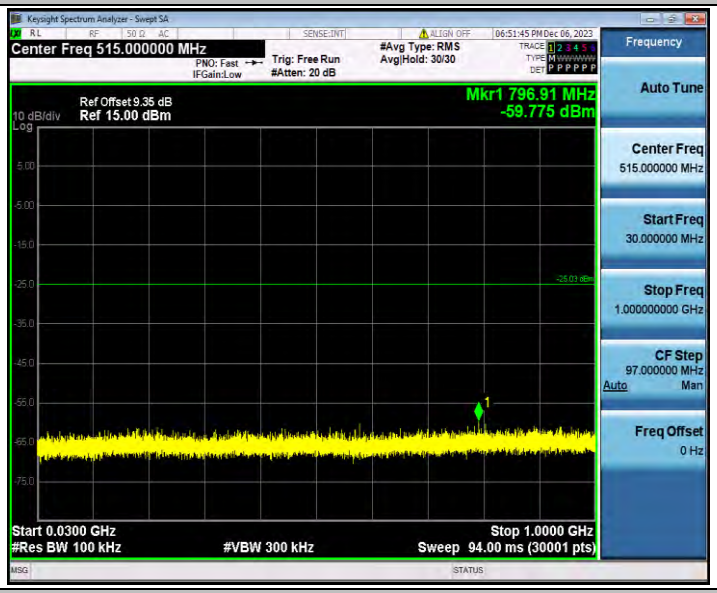


11G_Ant3_2412_1000~26500

11G_Ant3_2437_0~Reference



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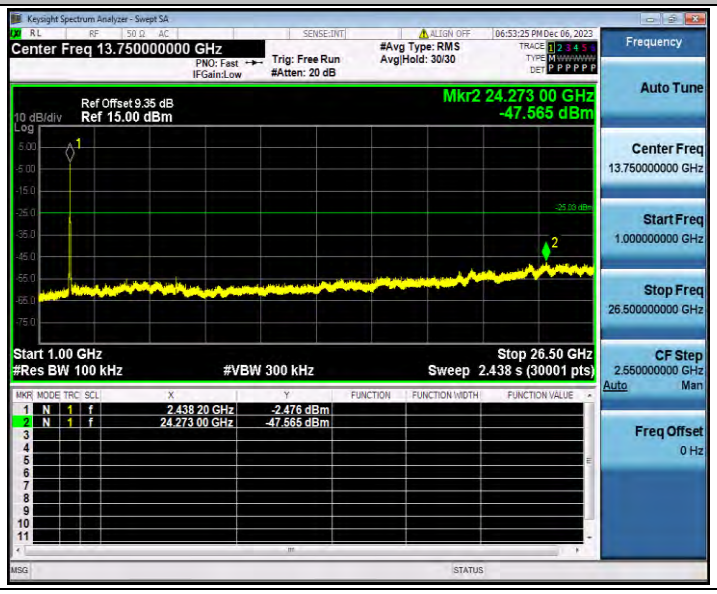
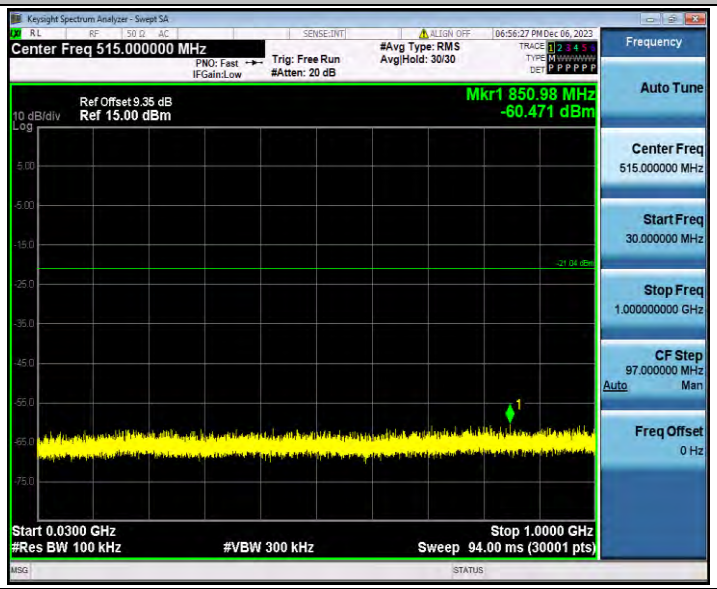


11G_Ant3_2437_1000~26500

11G_Ant3_2462_0~Reference



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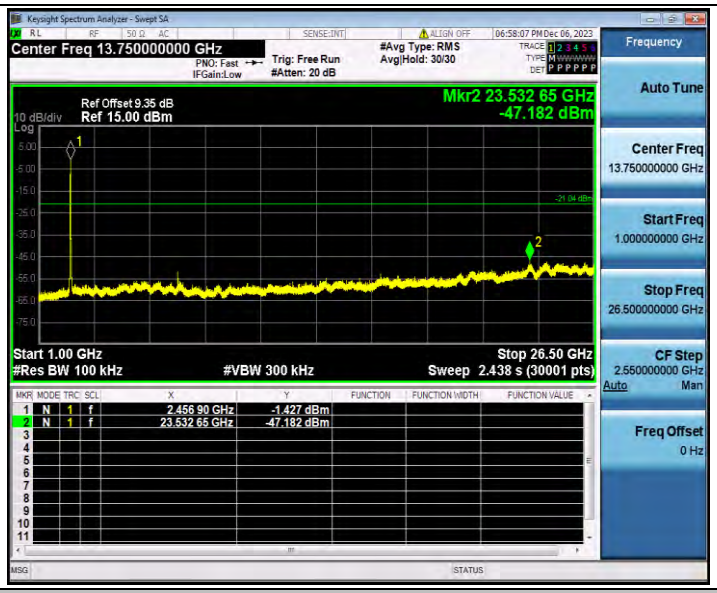
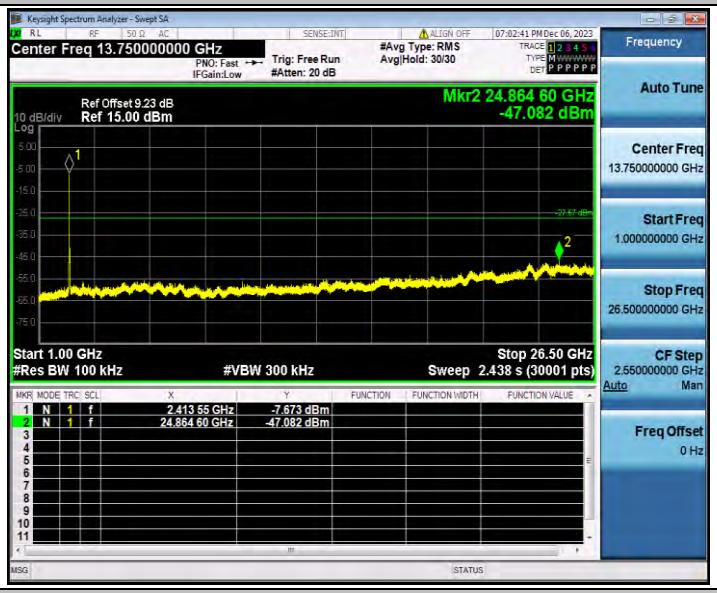


11G_Ant3_2462_1000~26500

11N20SISO_Ant3_2412_0~Reference

11N20SISO_Ant3_2412_30~1000



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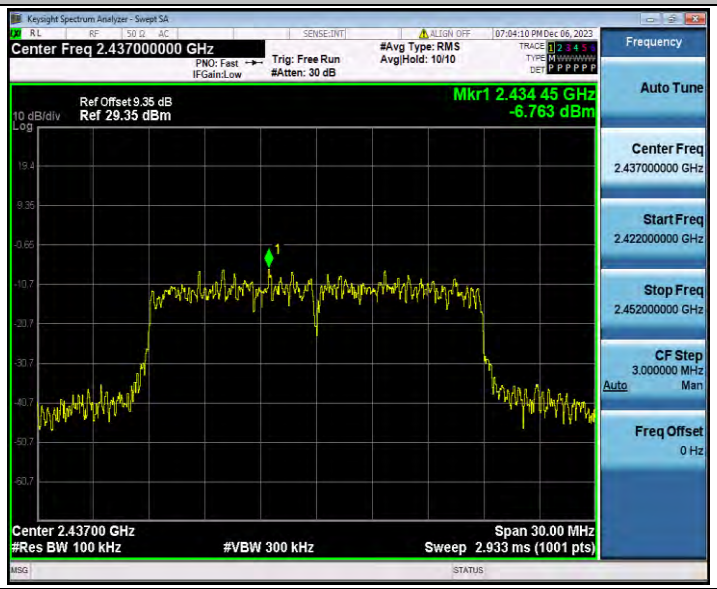
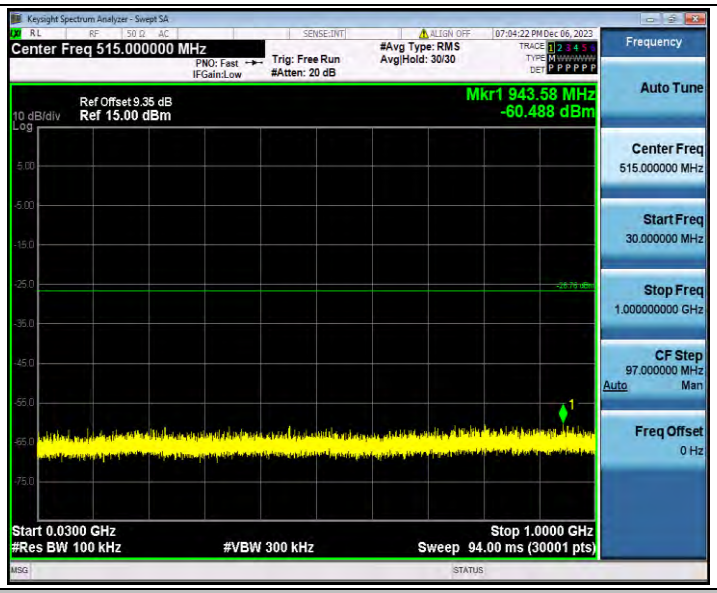


11N20SISO_Ant3_2437_0~Reference



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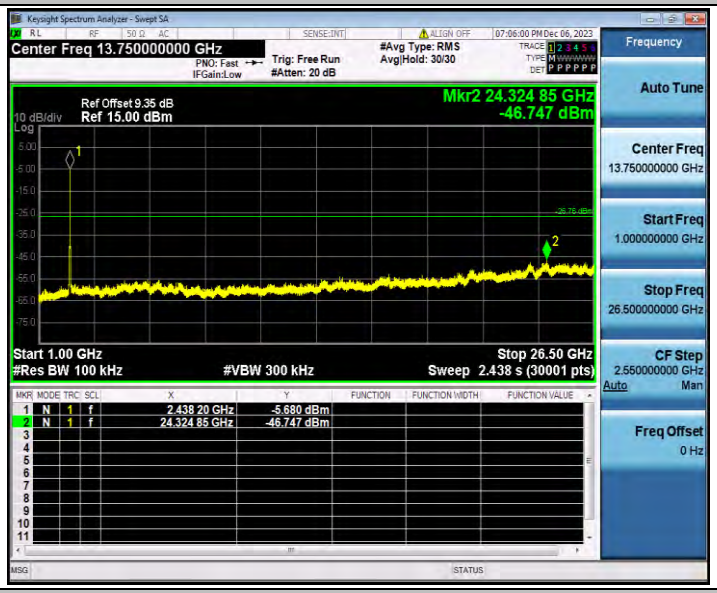


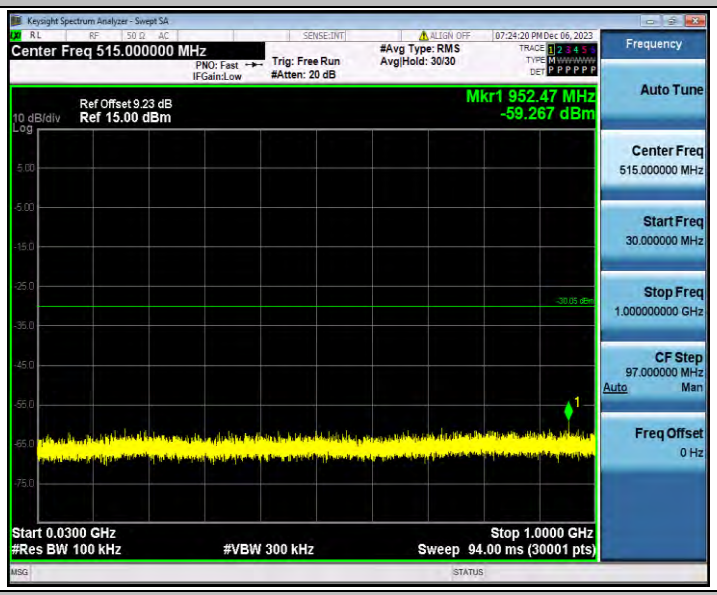
11N20SISO_Ant3_2437_1000~26500

11N20SISO_Ant3_2462_0~Reference

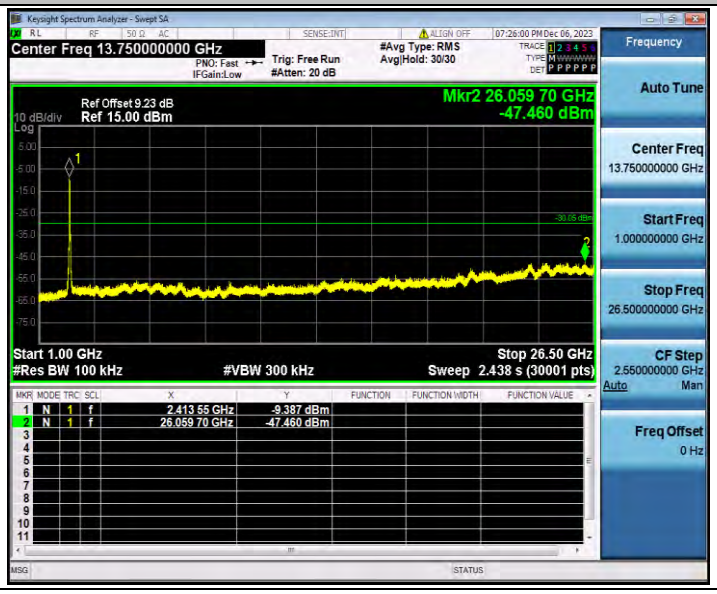
11N20SISO_Ant3_2462_30~1000

11N20SISO_Ant3_2462_1000~26500

11N40SISO_Ant3_2422_0~Reference



11N40SISO_Ant3_2422_30~1000



11N40SISO_Ant3_2422_1000~26500

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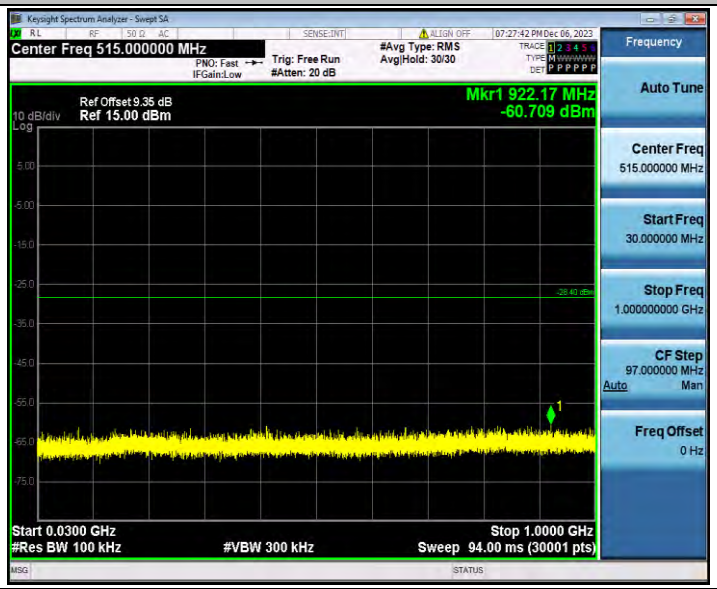
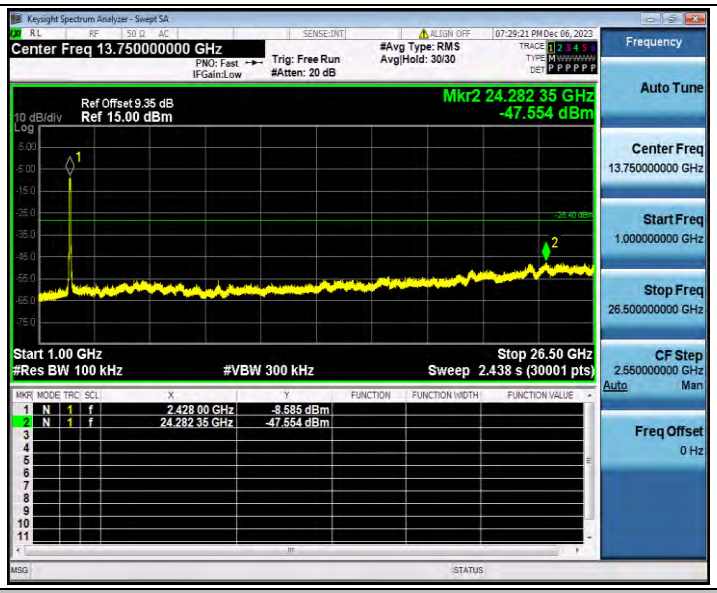
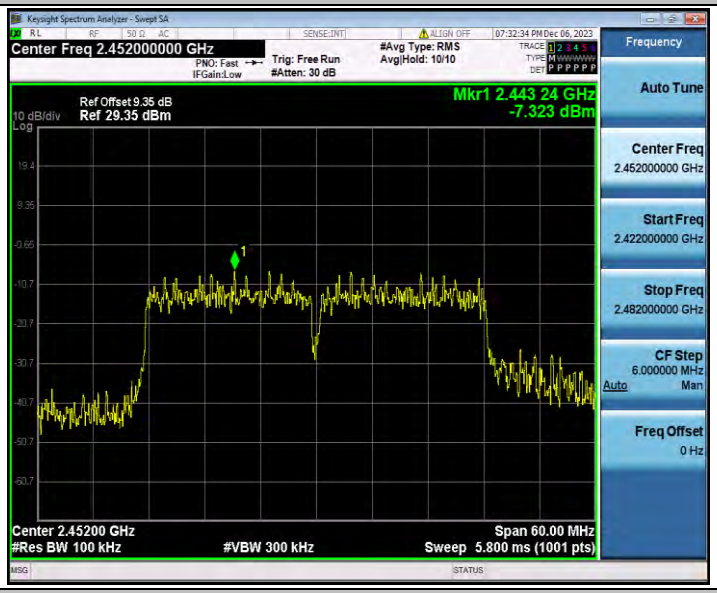


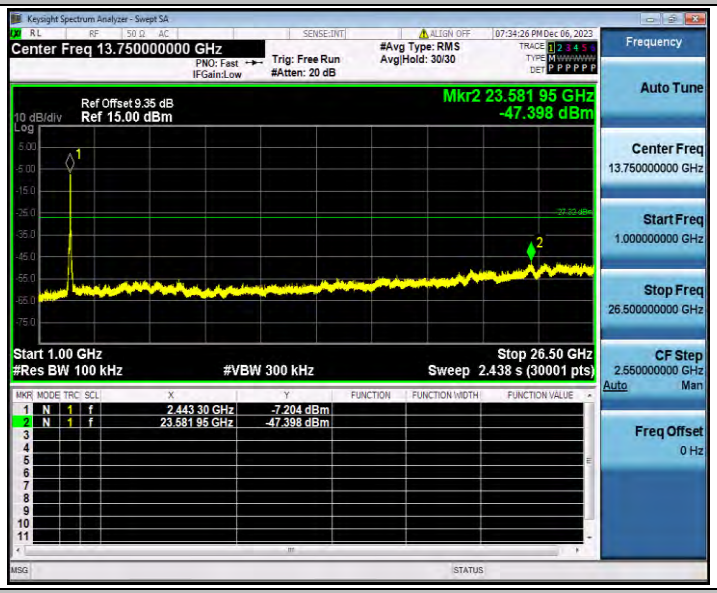
11N40SISO_Ant3_2437_30~1000



11N40SISO_Ant3_2437_1000~26500



11N40SISO_Ant3_2452_0~Reference

11N40SISO_Ant3_2452_30~1000

11N40SISO_Ant3_2452_1000~26500