Case No. : GTS20231012003-1-4	
Ambient Condition: 23 ℃, 49 %RH, Atmos100.1Kpa,	
Test Date: 2023.12.5	**Test Engineer:** Evan ouyang

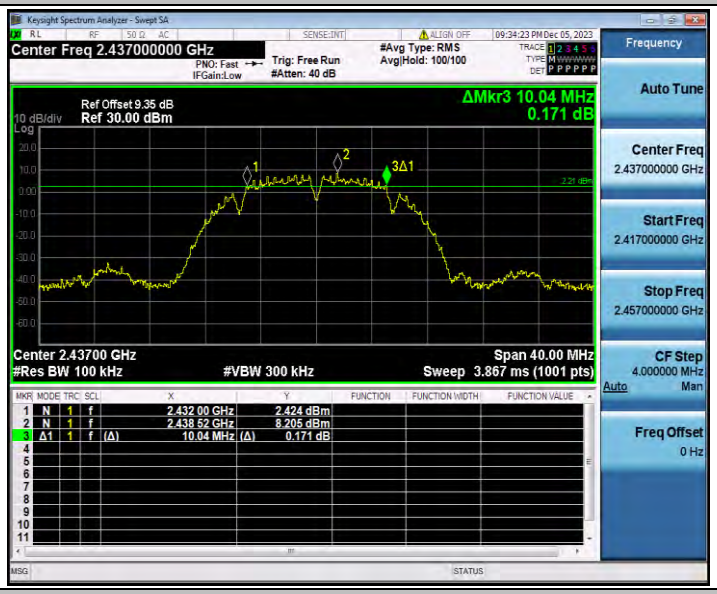
Appendix C.1: DTS Bandwidth

Test Result

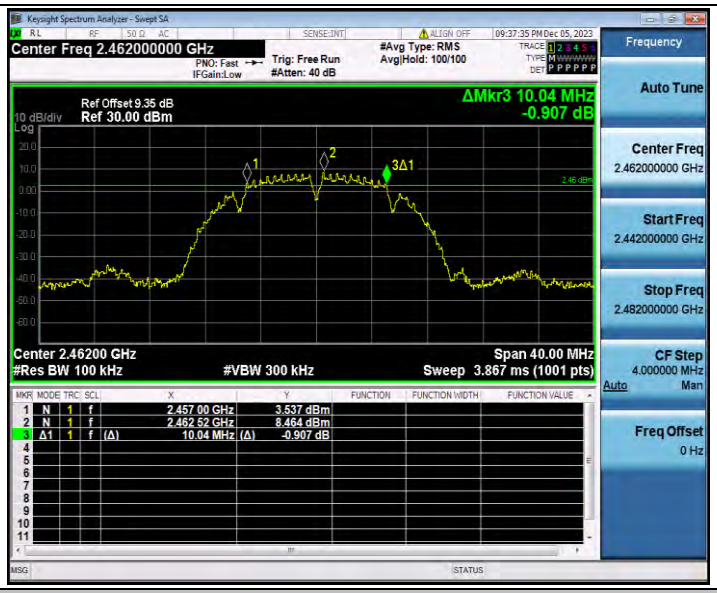
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	10.040	2407.000	2417.040	0.5	PASS
		2437	10.040	2432.000	2442.040	0.5	PASS
		2462	10.040	2457.000	2467.040	0.5	PASS
11G	Ant2	2412	16.480	2403.760	2420.240	0.5	PASS
		2437	16.480	2428.760	2445.240	0.5	PASS
		2462	16.440	2453.760	2470.200	0.5	PASS
11N20SISO	Ant2	2412	17.680	2403.160	2420.840	0.5	PASS
		2437	17.680	2428.160	2445.840	0.5	PASS
		2462	17.640	2453.200	2470.840	0.5	PASS
11N40SISO	Ant2	2422	36.240	2403.840	2440.080	0.5	PASS
		2437	36.400	2418.840	2455.240	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

Test Graphs

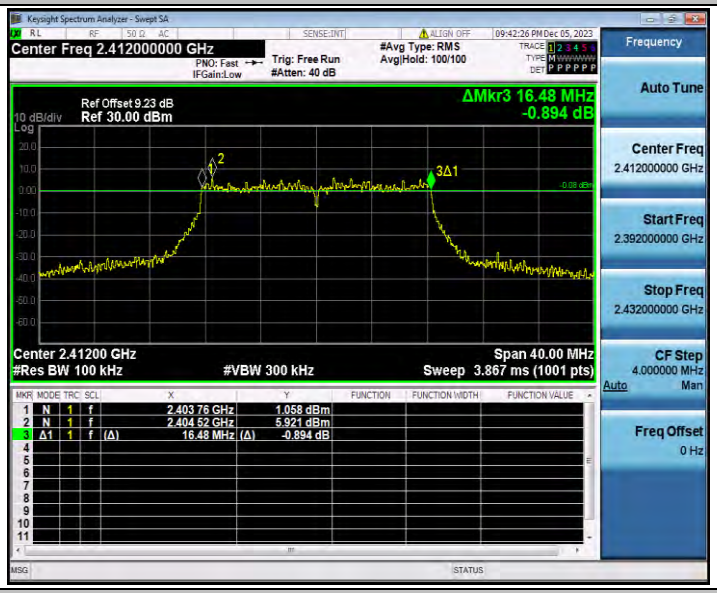
11B_Ant2_2412



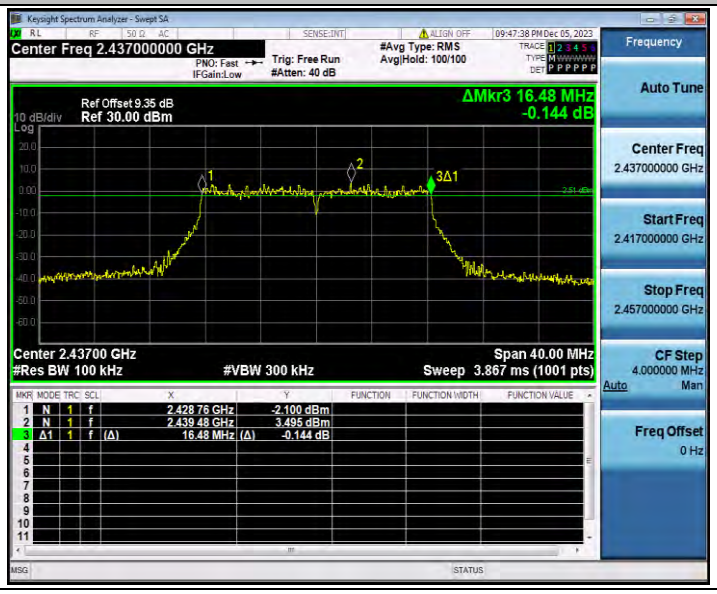
11B_Ant2_2437



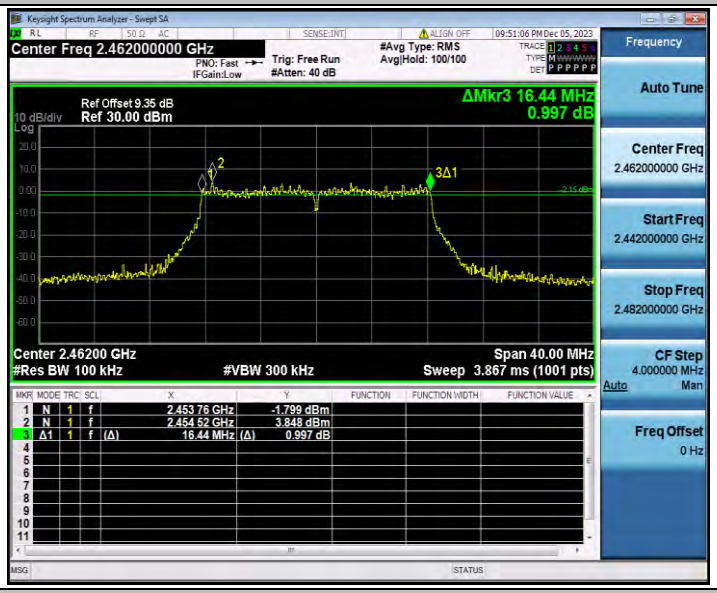
11B_Ant2_2462



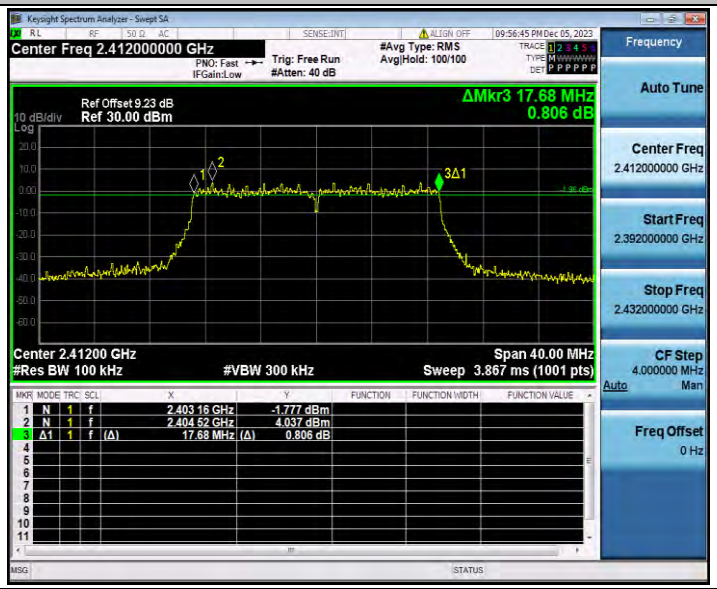
11G_Ant2_2412



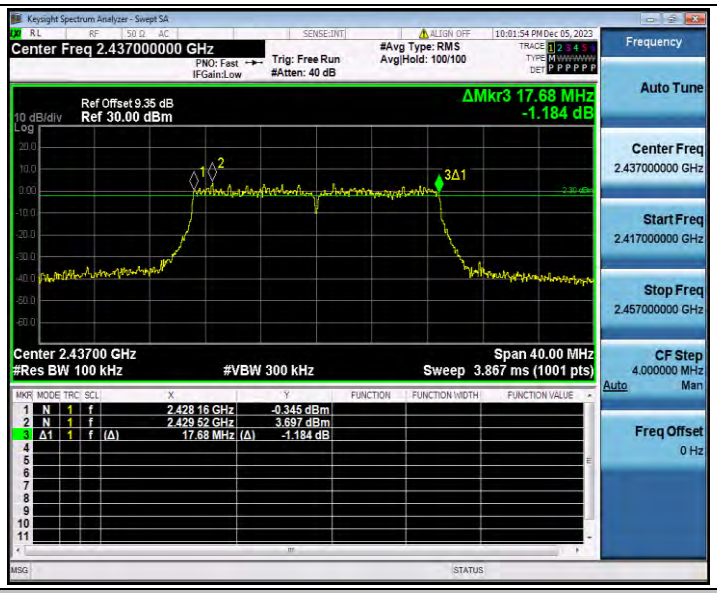
11G_Ant2_2437



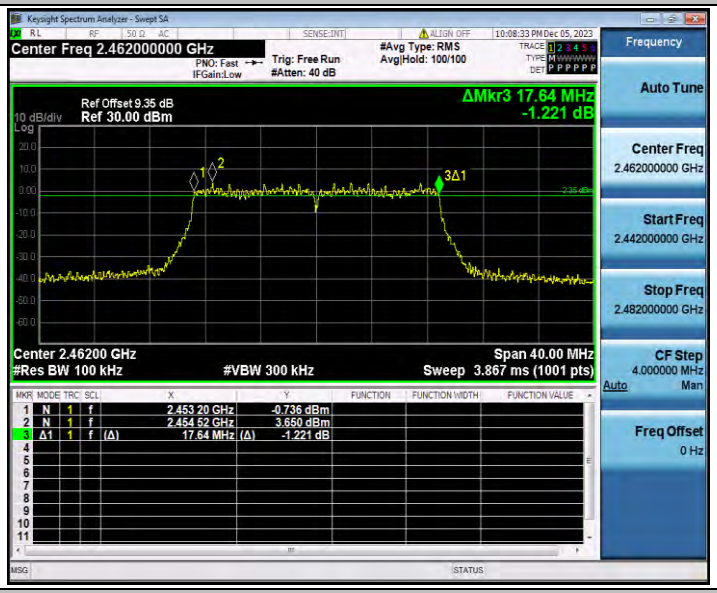
11G_Ant2_2462



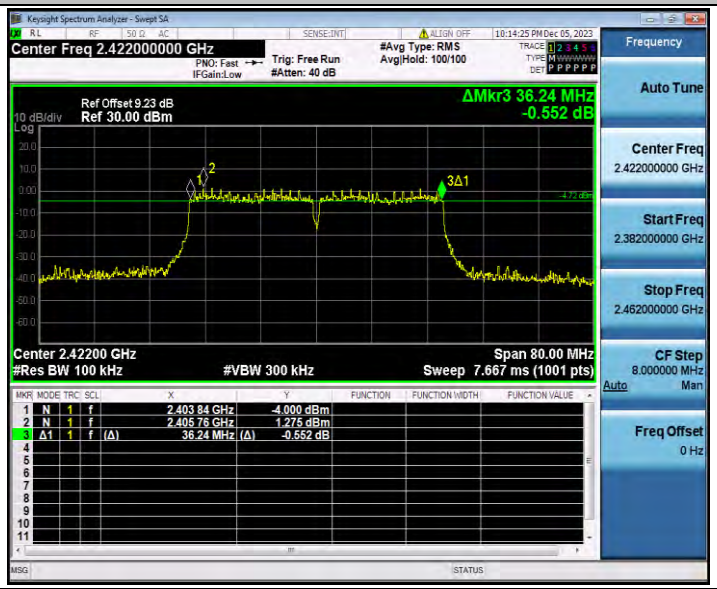
11N20SISO_Ant2_2412

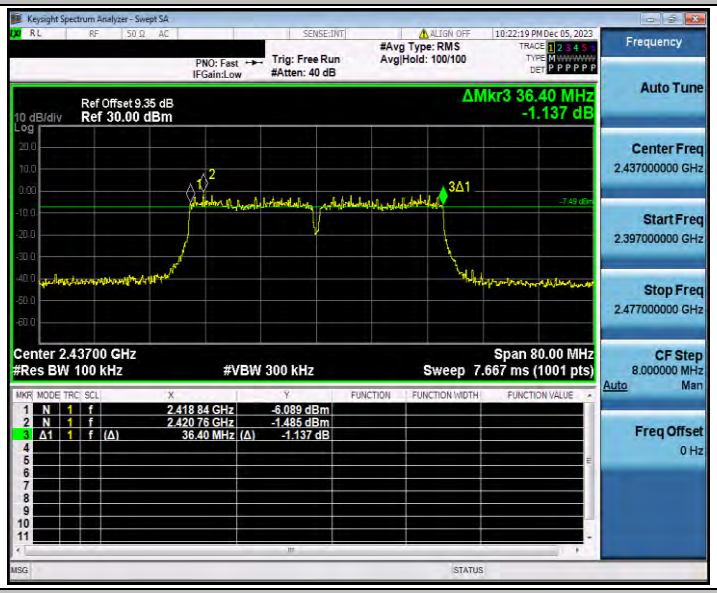
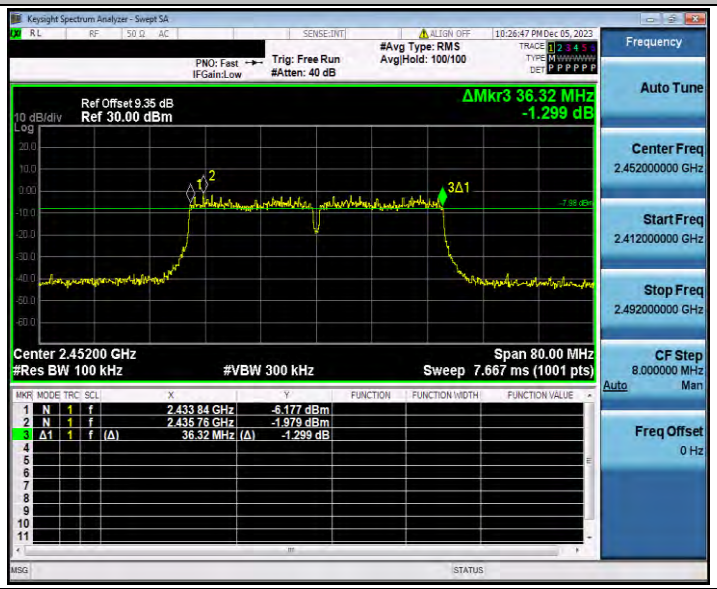


11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



11N40SISO_Ant2_2422

11N40SISO_Ant2_2437

11N40SISO_Ant2_2452

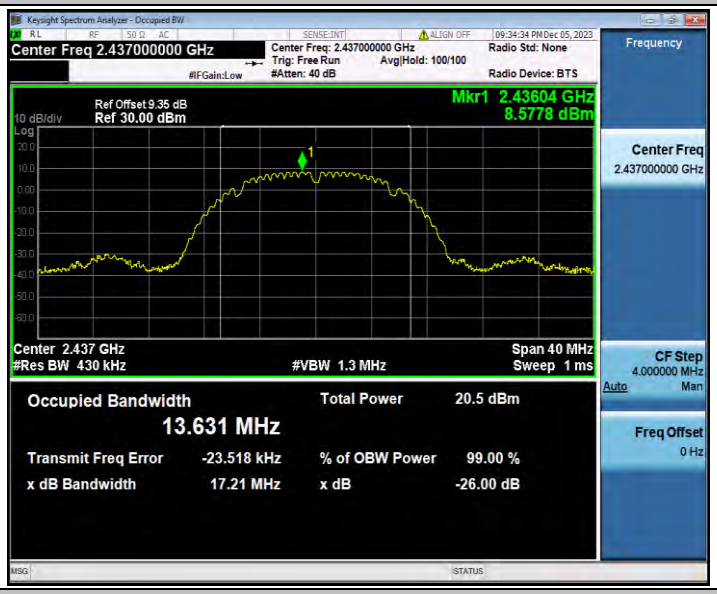
Appendix C.2: Occupied Channel Bandwidth

Test Result

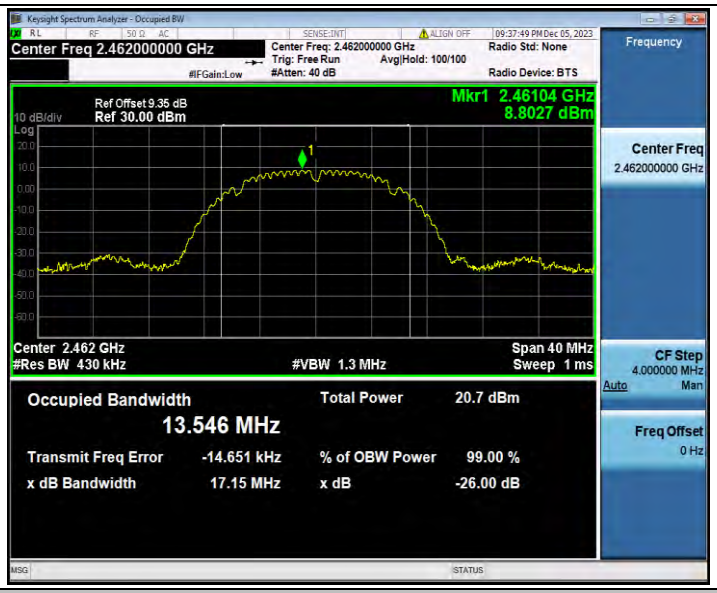
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	13.611	2405.202	2418.813	---	---
		2437	13.631	2430.161	2443.792	---	---
		2462	13.546	2455.212	2468.758	---	---
11G	Ant2	2412	16.837	2403.607	2420.444	---	---
		2437	16.865	2428.567	2445.432	---	---
		2462	16.926	2453.516	2470.442	---	---
11N20SISO	Ant2	2412	17.843	2403.092	2420.935	---	---
		2437	17.867	2428.076	2445.943	---	---
		2462	17.871	2453.084	2470.955	---	---
11N40SISO	Ant2	2422	36.356	2403.825	2440.181	---	---
		2437	36.460	2418.814	2455.274	---	---
		2452	36.362	2433.827	2470.189	---	---

Test Graphs

11B_Ant2_2412



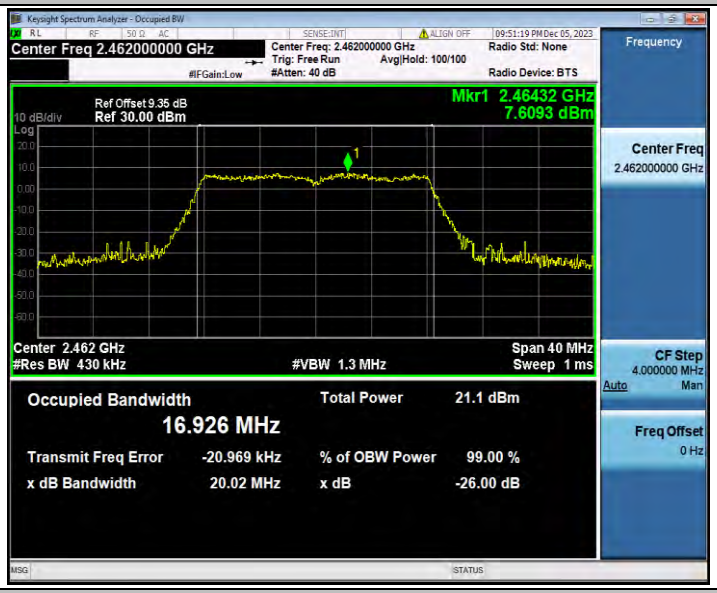
11B_Ant2_2437



11B_Ant2_2462

11G_Ant2_2412

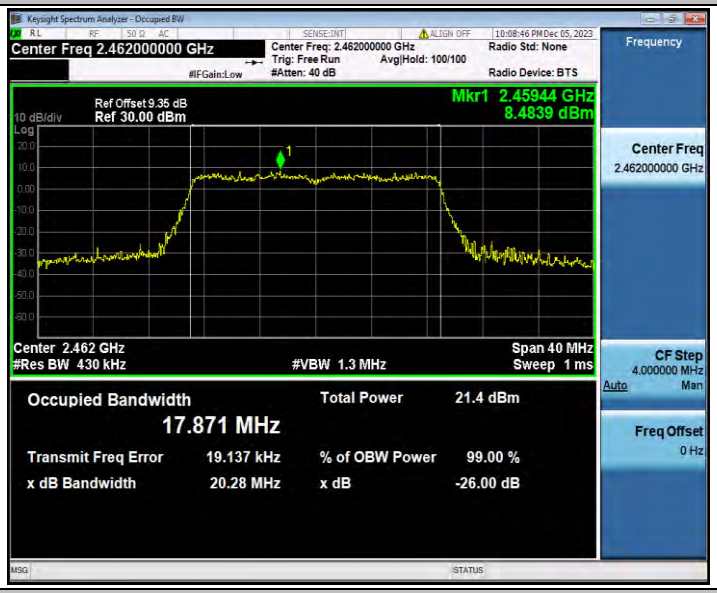
11G_Ant2_2437



11G_Ant2_2462

11N20SISO_Ant2_2412

11N20SISO_Ant2_2437



11N20SISO_Ant2_2462

11N40SISO_Ant2_2422

11N40SISO_Ant2_2437

11N40SISO_Ant2_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

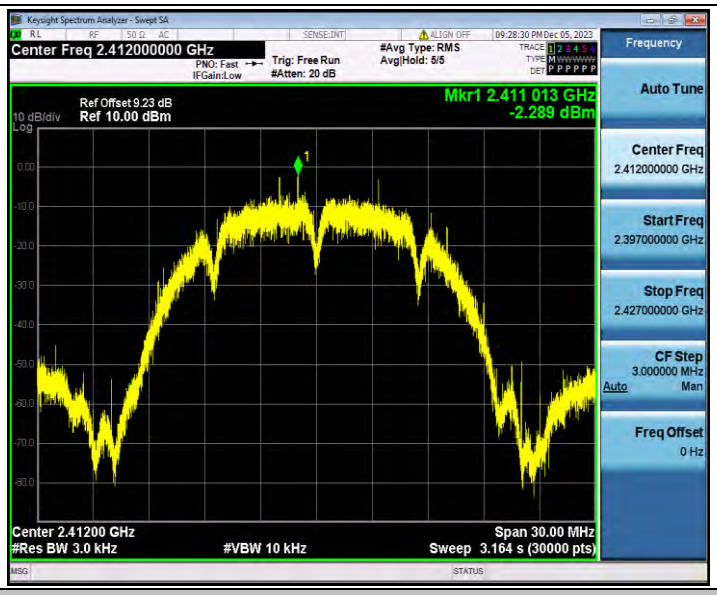
Test Mode	Antenna	Frequency[MHz]	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	20.87	≤30.00	PASS
		2437	20.56	≤30.00	PASS
		2462	20.79	≤30.00	PASS
11G	Ant2	2412	24.03	≤30.00	PASS
		2437	21.81	≤30.00	PASS
		2462	21.93	≤30.00	PASS
11N20SISO	Ant2	2412	22.39	≤30.00	PASS
		2437	22.06	≤30.00	PASS
		2462	22.23	≤30.00	PASS
11N40SISO	Ant2	2422	22.11	≤30.00	PASS
		2437	19.20	≤30.00	PASS
		2452	19.17	≤30.00	PASS

Appendix C.4: Maximum power spectral density

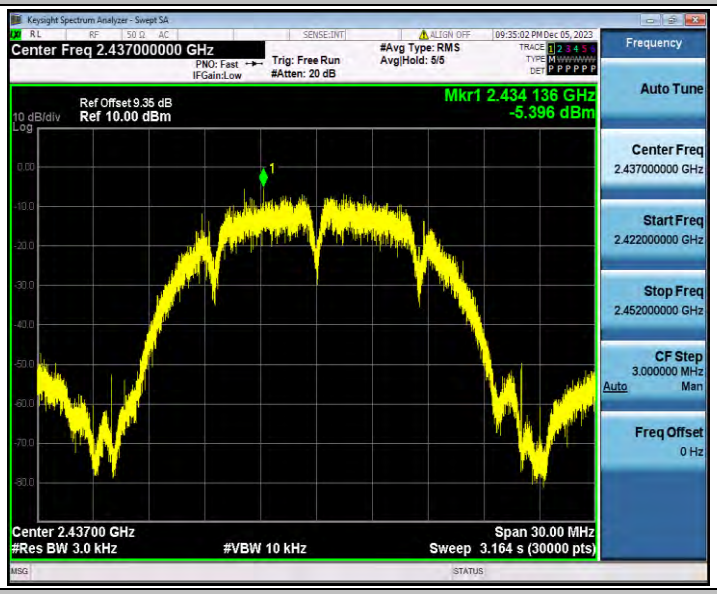
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-2.29	≤8.00	PASS
		2437	-5.4	≤8.00	PASS
		2462	-2.57	≤8.00	PASS
11G	Ant2	2412	-7.81	≤8.00	PASS
		2437	-11.19	≤8.00	PASS
		2462	-10.92	≤8.00	PASS
11N20SISO	Ant2	2412	-9.95	≤8.00	PASS
		2437	-10.78	≤8.00	PASS
		2462	-11.17	≤8.00	PASS
11N40SISO	Ant2	2422	-13.25	≤8.00	PASS
		2437	-16.46	≤8.00	PASS
		2452	-17.74	≤8.00	PASS

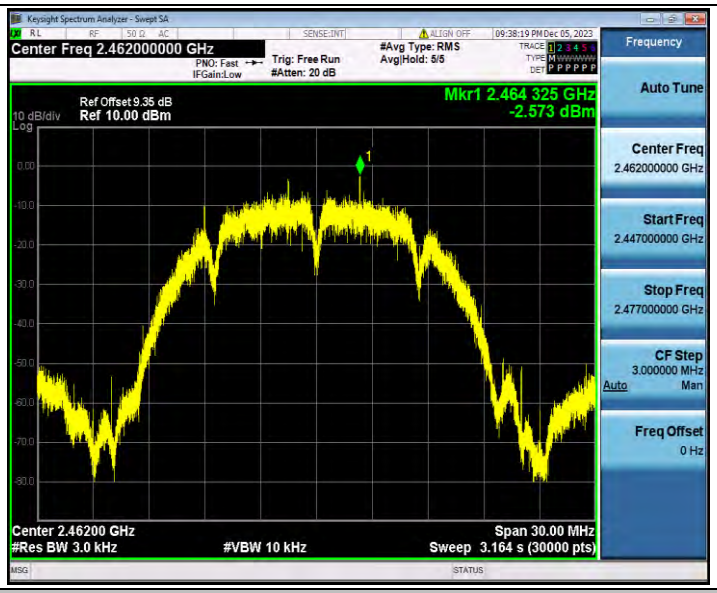
Test Graphs



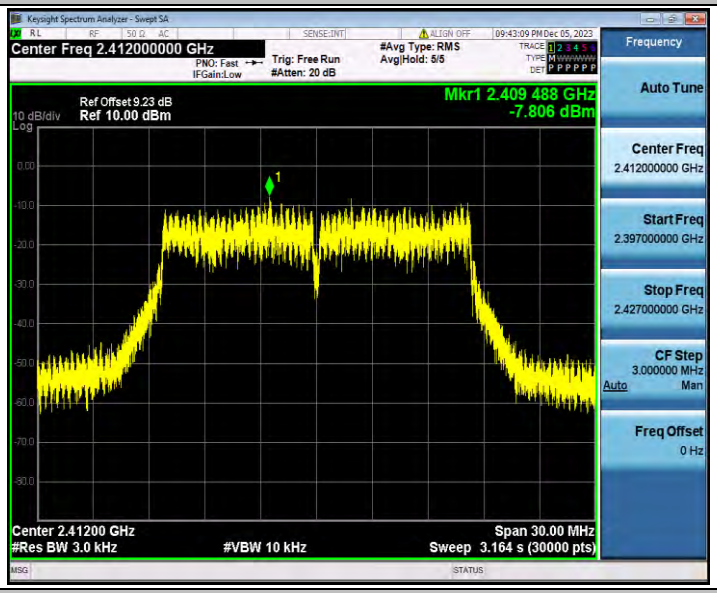
11B_Ant2_2412



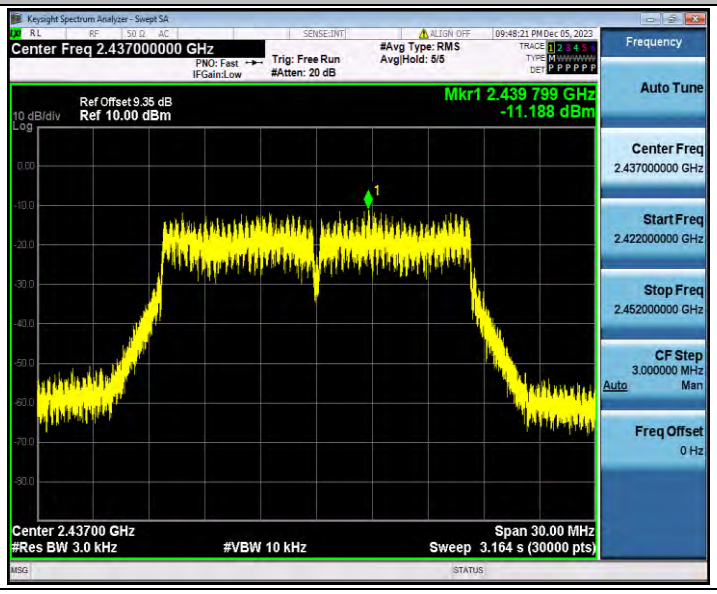
11B_Ant2_2437

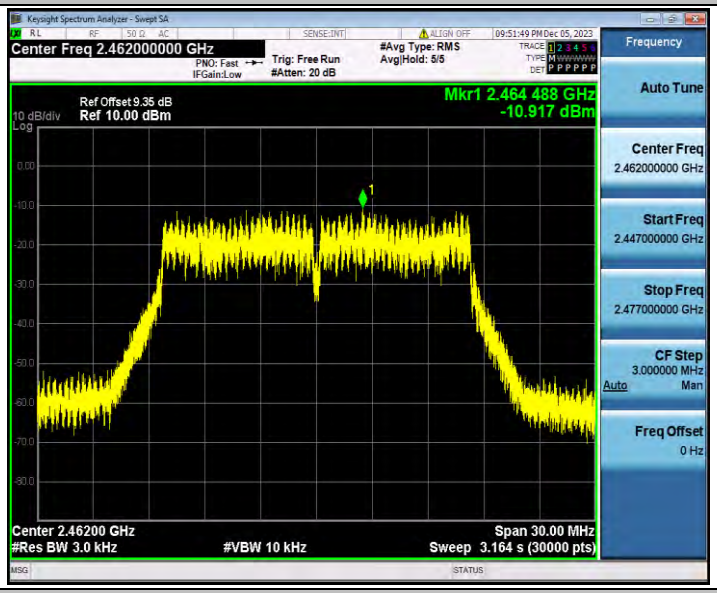


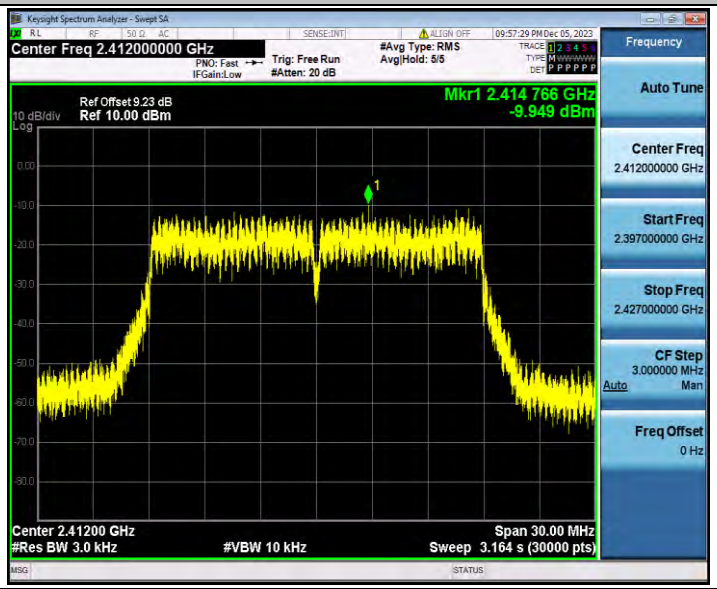
11B_Ant2_2462



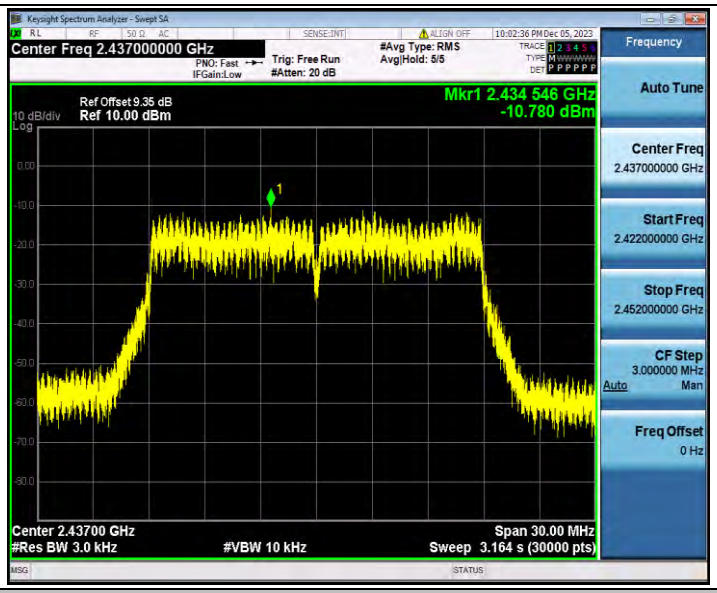
11G_Ant2_2412



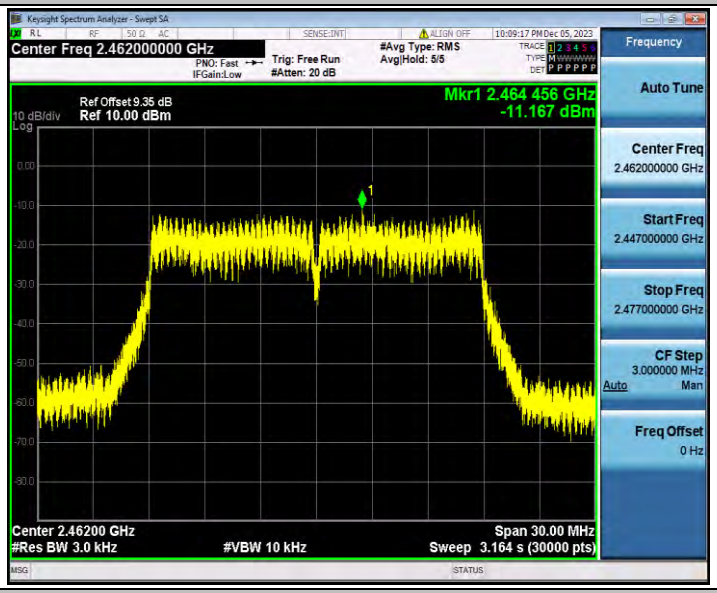
11G_Ant2_2437


11G_Ant2_2462


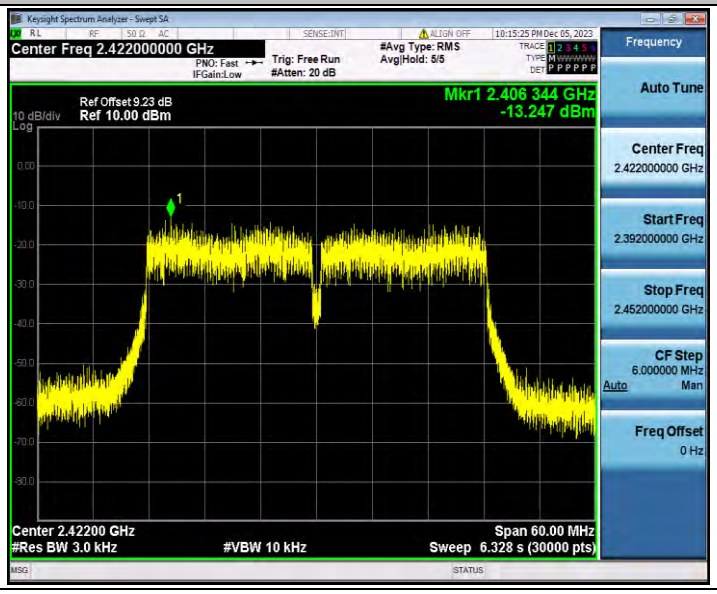
11N20SISO_Ant2_2412



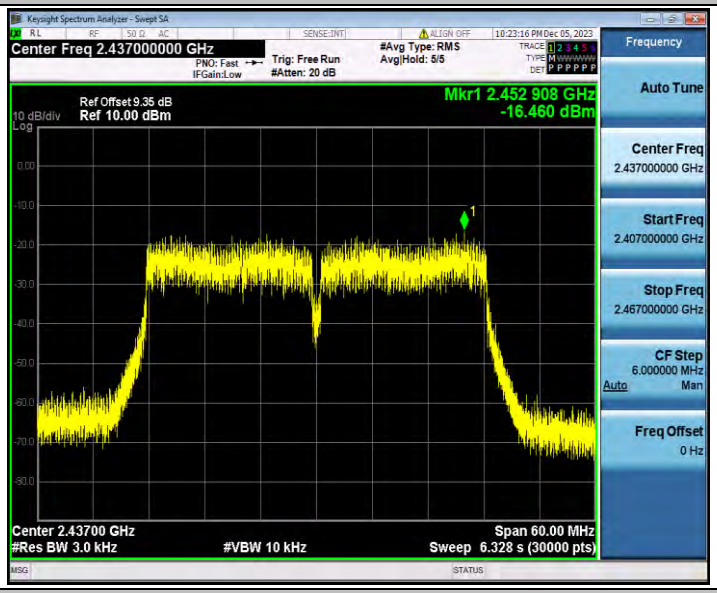
11N20SISO_Ant2_2437



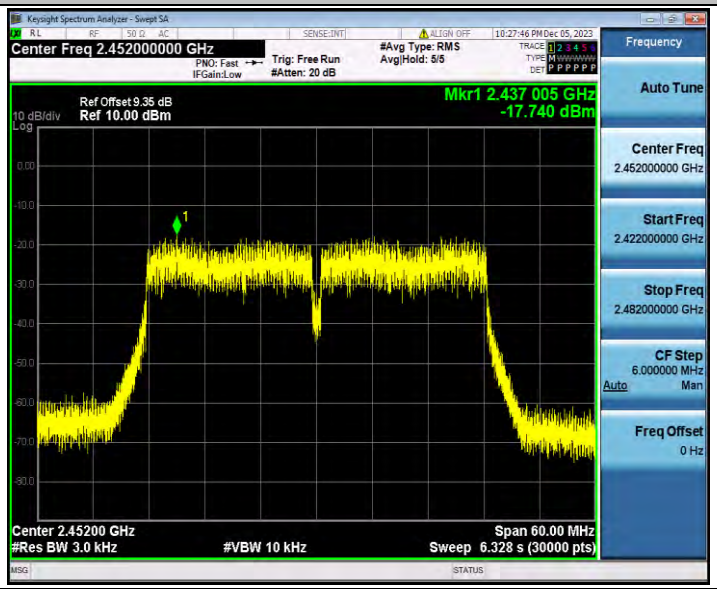
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



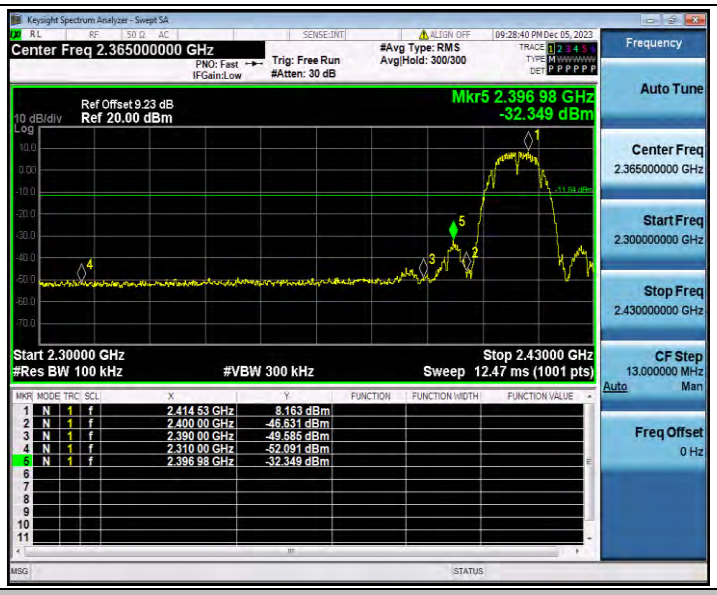
11N40SISO_Ant2_2452

Appendix C.5: Band edge measurements

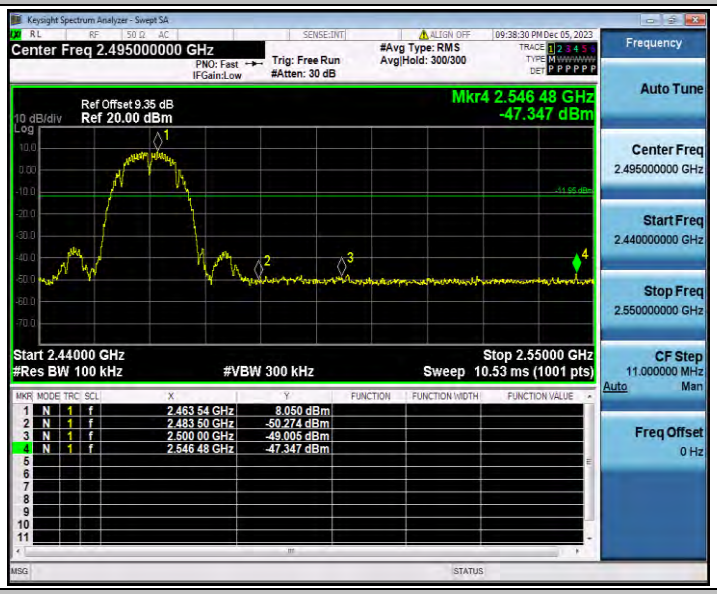
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	8.16	-32.35	≤-11.84	PASS
		High	2462	8.05	-47.35	≤-11.95	PASS
11G	Ant2	Low	2412	5.90	-30.32	≤-14.1	PASS
		High	2462	3.94	-42.52	≤-16.06	PASS
11N20SISO	Ant2	Low	2412	4.00	-31.59	≤-16	PASS
		High	2462	4.00	-42.44	≤-16	PASS
11N40SISO	Ant2	Low	2422	1.21	-33.77	≤-18.8	PASS
		High	2452	-1.84	-43.08	≤-21.84	PASS

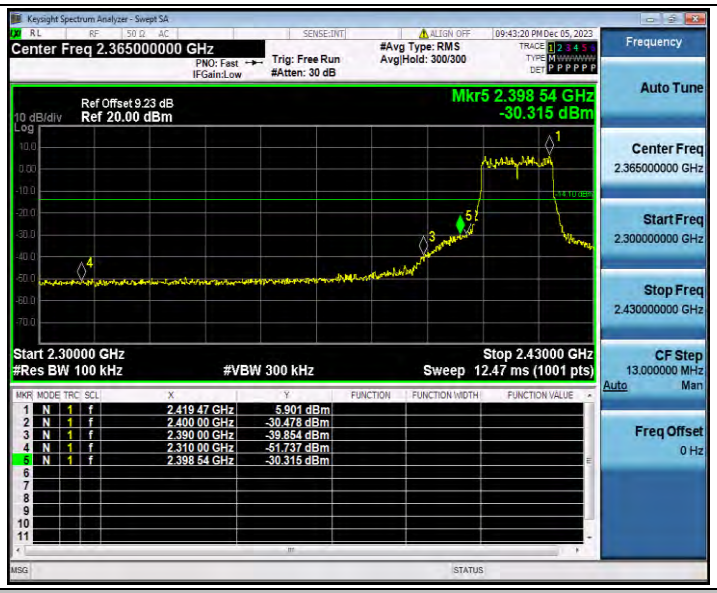
Test Graphs



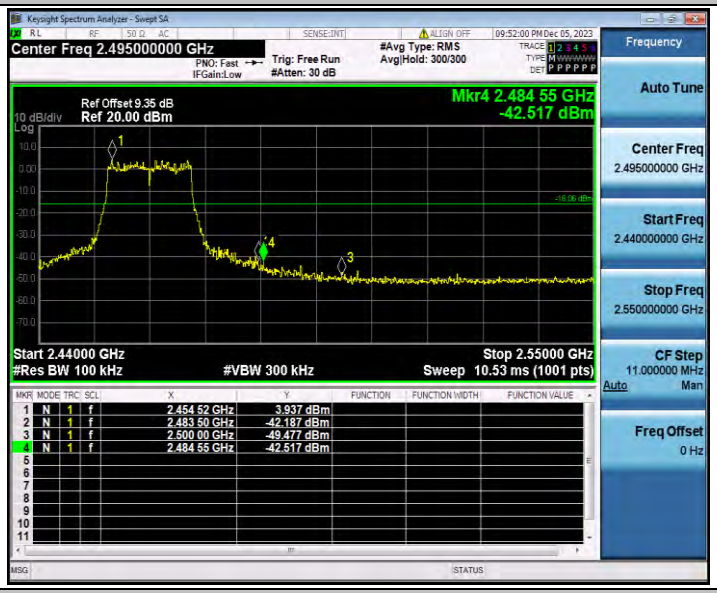
11B_Ant2_Low_2412



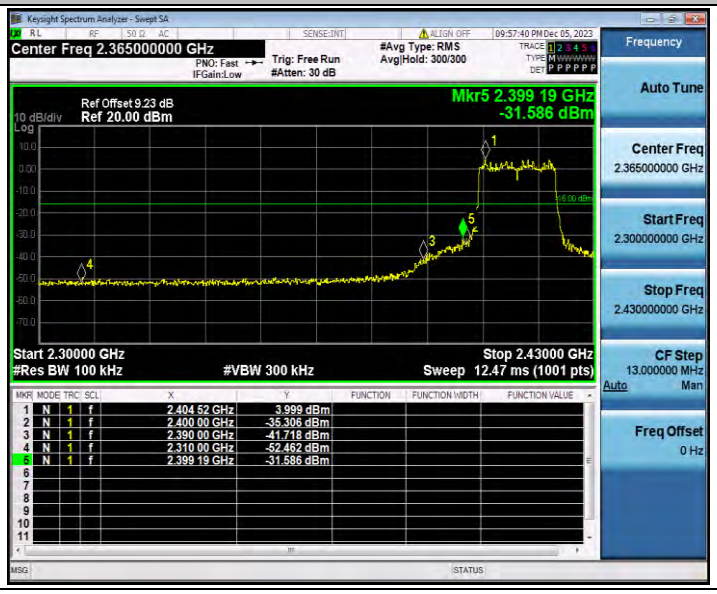
11B_Ant2_High_2462



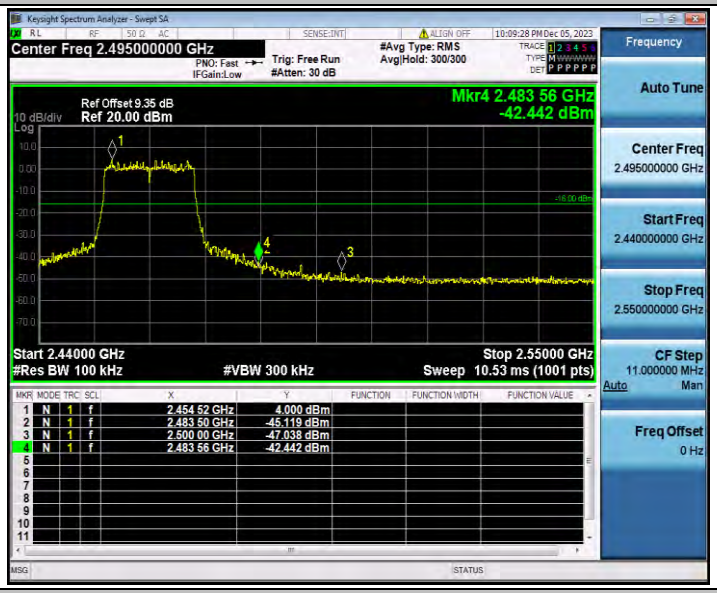
11G_Ant2_Low_2412



11G_Ant2_High_2462

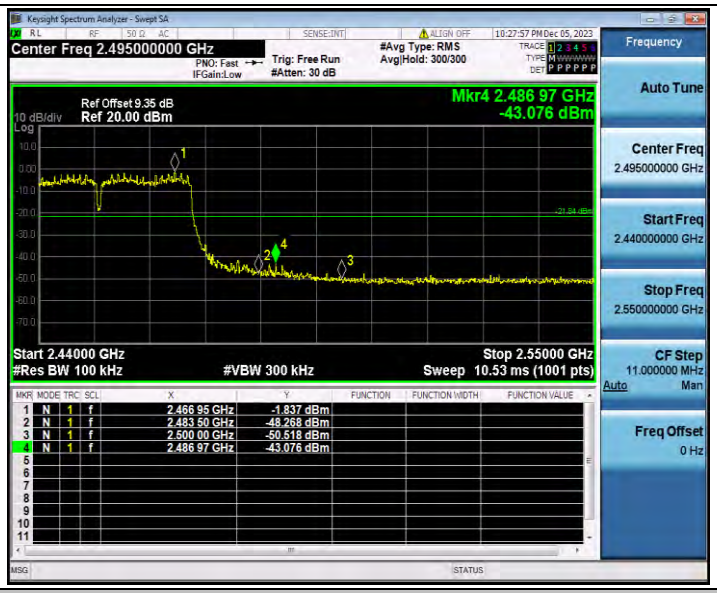


11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462

11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

Appendix C.6: Conducted Spurious Emission

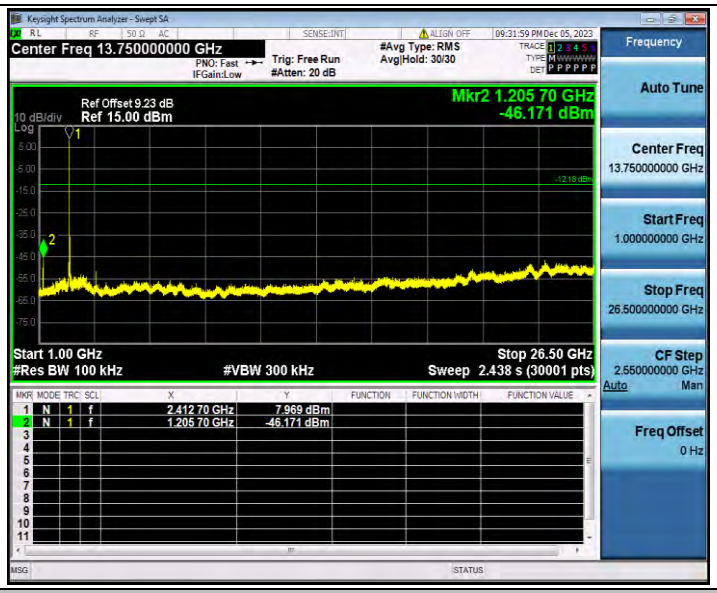
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	7.82	7.82	---	PASS
			30~1000	7.82	-51.84	≤-12.18	PASS
			1000~26500	7.82	-46.17	≤-12.18	PASS
		2437	Reference	7.09	7.09	---	PASS
			30~1000	7.09	-58.01	≤-12.91	PASS
			1000~26500	7.09	-46.23	≤-12.91	PASS
		2462	Reference	7.50	7.50	---	PASS
			30~1000	7.50	-58.37	≤-12.5	PASS
			1000~26500	7.50	-46.17	≤-12.5	PASS
11G	Ant2	2412	Reference	5.32	5.32	---	PASS
			30~1000	5.32	-57.57	≤-14.68	PASS
			1000~26500	5.32	-46.95	≤-14.68	PASS
		2437	Reference	3.38	3.38	---	PASS
			30~1000	3.38	-57.8	≤-16.62	PASS
			1000~26500	3.38	-46.85	≤-16.62	PASS
		2462	Reference	3.39	3.39	---	PASS
			30~1000	3.39	-58.76	≤-16.61	PASS
			1000~26500	3.39	-47.33	≤-16.61	PASS
11N20SISO	Ant2	2412	Reference	2.63	2.63	---	PASS
			30~1000	2.63	-56.69	≤-17.37	PASS
			1000~26500	2.63	-47.14	≤-17.37	PASS
		2437	Reference	2.35	2.35	---	PASS
			30~1000	2.35	-57.85	≤-17.65	PASS
			1000~26500	2.35	-47.05	≤-17.65	PASS
		2462	Reference	2.11	2.11	---	PASS
			30~1000	2.11	-44.23	≤-17.89	PASS
			1000~26500	2.11	-47.25	≤-17.89	PASS
11N40SISO	Ant2	2422	Reference	0.33	0.33	---	PASS
			30~1000	0.33	-52.09	≤-19.67	PASS
			1000~26500	0.33	-47.7	≤-19.67	PASS
		2437	Reference	-2.10	-2.10	---	PASS
			30~1000	-2.10	-49.59	≤-22.1	PASS
			1000~26500	-2.10	-46.53	≤-22.1	PASS
		2452	Reference	-1.98	-1.98	---	PASS
			30~1000	-1.98	-54.25	≤-21.98	PASS
			1000~26500	-1.98	-47.11	≤-21.98	PASS

Test Graphs

11B_Ant2_2412_0~Reference

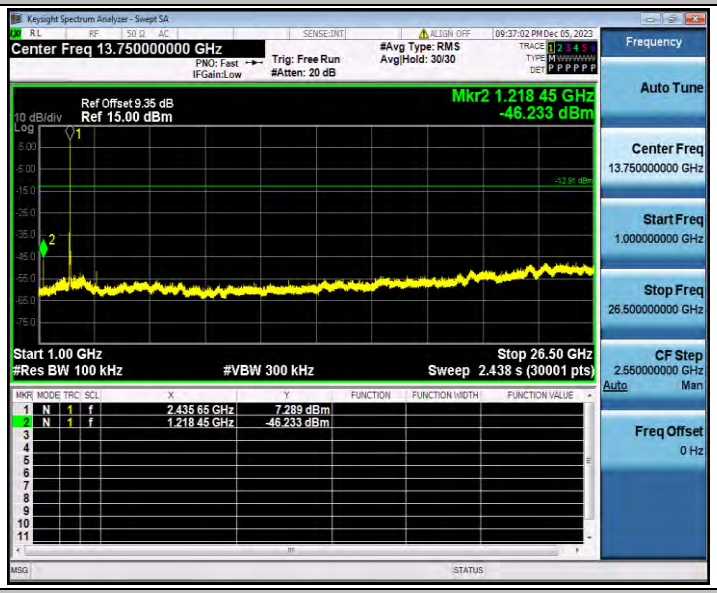
11B_Ant2_2412_30~1000



11B_Ant2_2412_1000~26500

11B_Ant2_2437_0~Reference

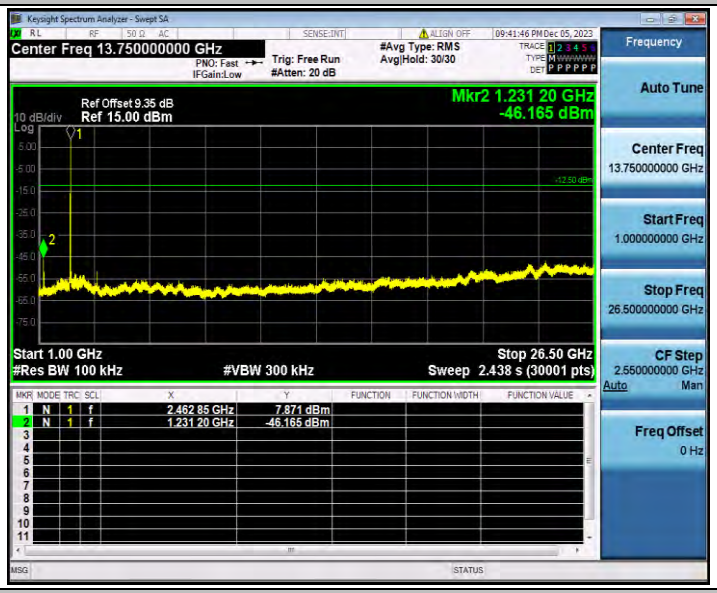
11B_Ant2_2437_30~1000



11B_Ant2_2437_1000~26500

11B_Ant2_2462_0~Reference

11B_Ant2_2462_30~1000



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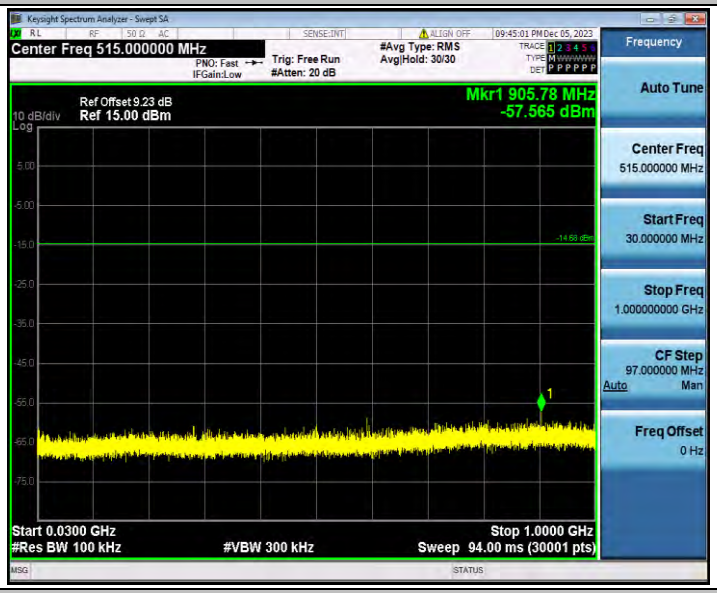
11G_Ant2_2412_0~Reference



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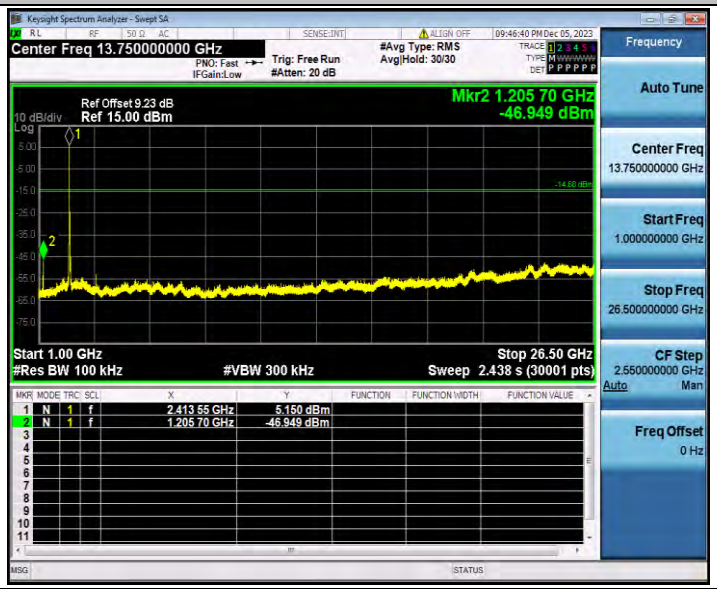

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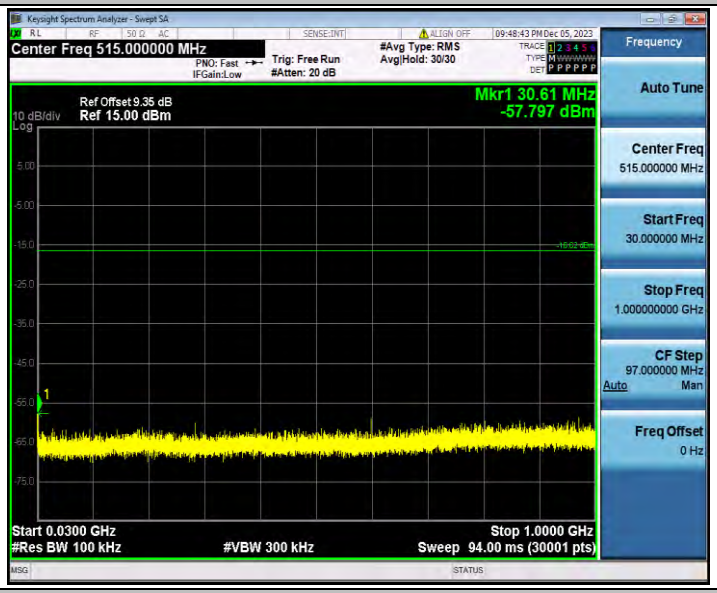

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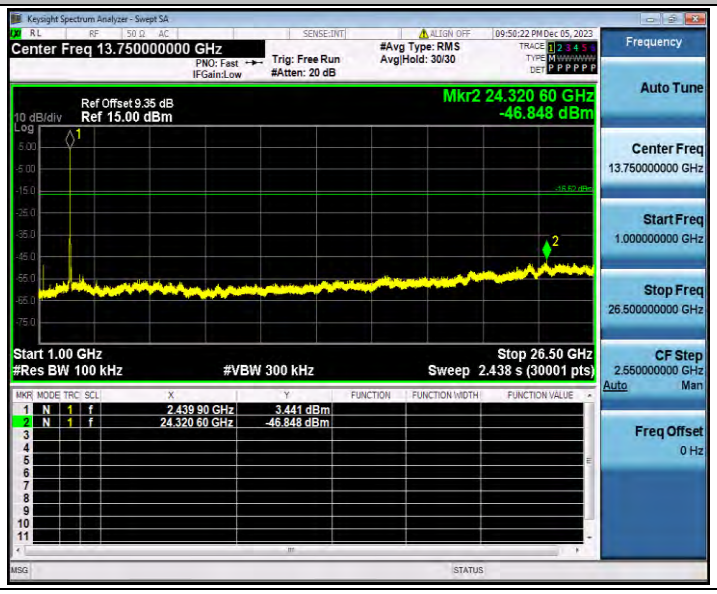

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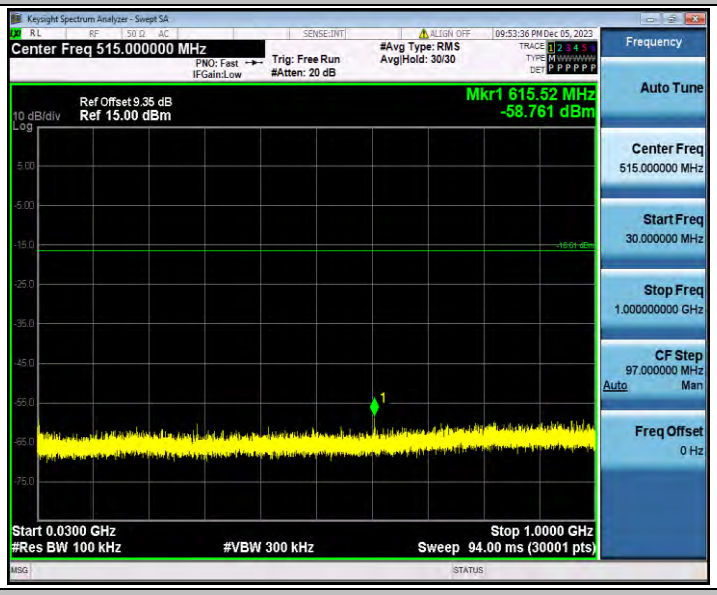

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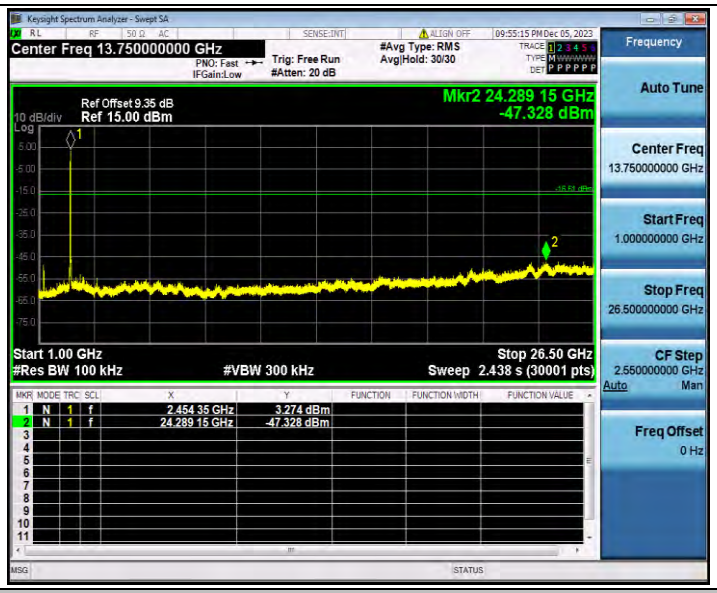

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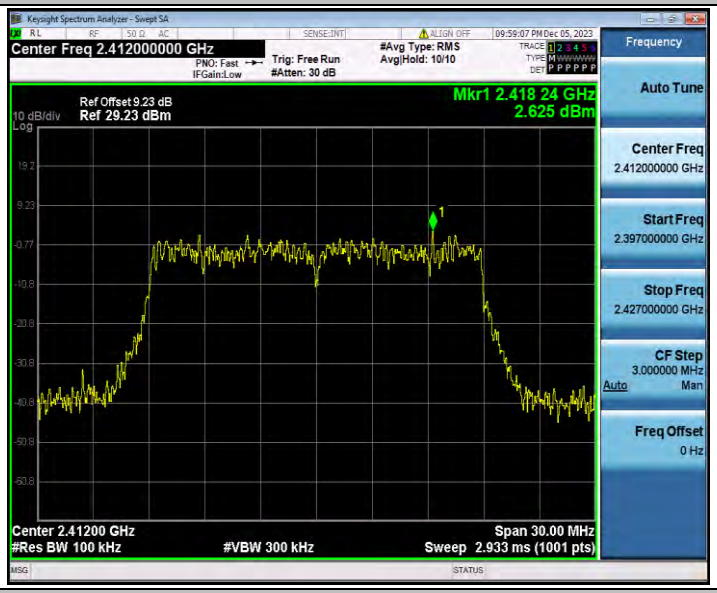

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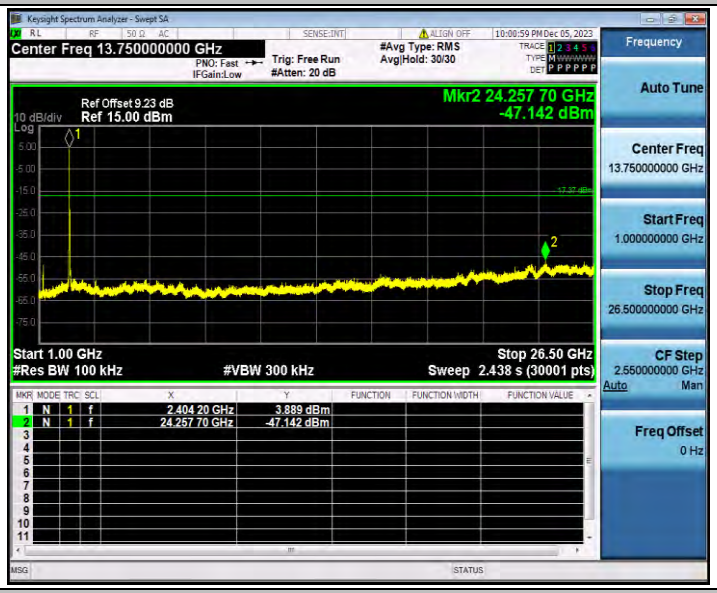

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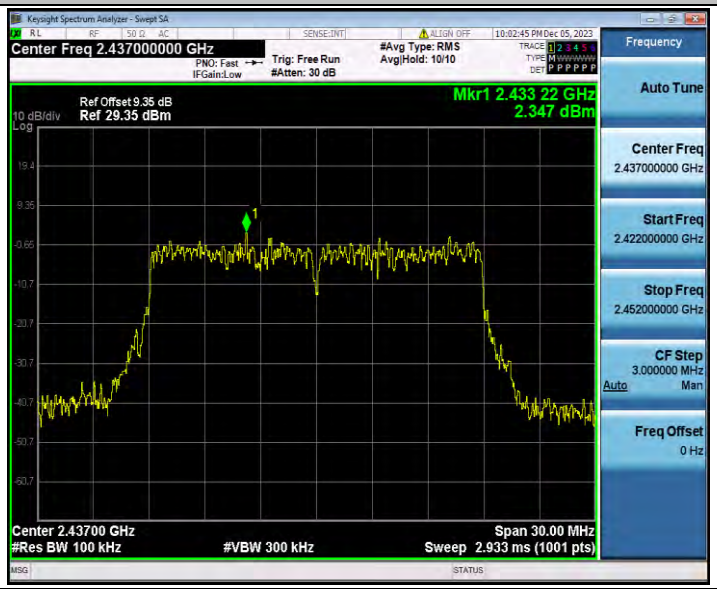

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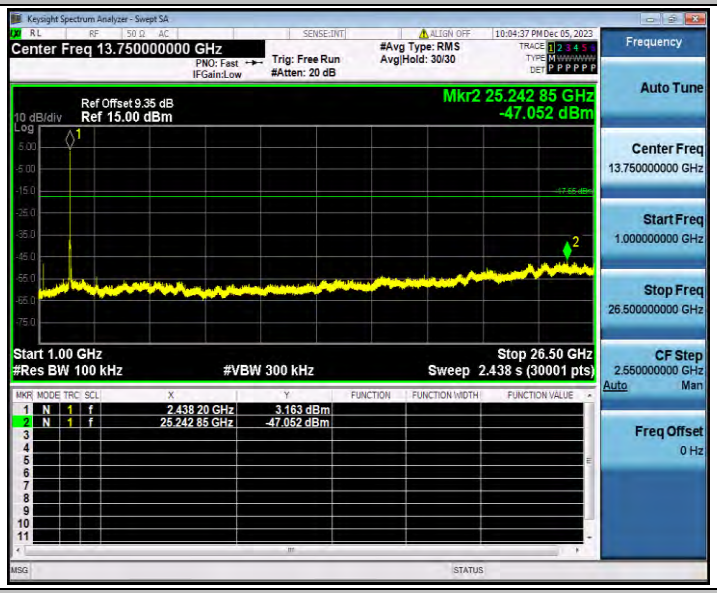
11N20SISO_Ant2_2437_30~1000



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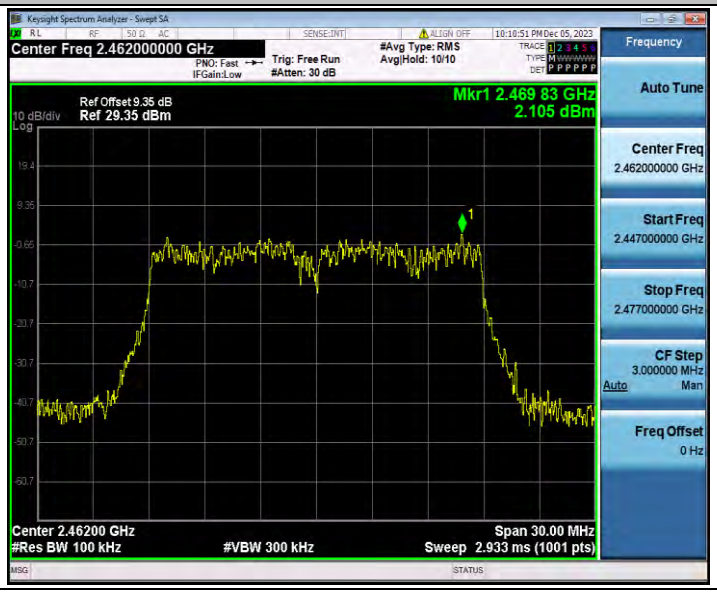

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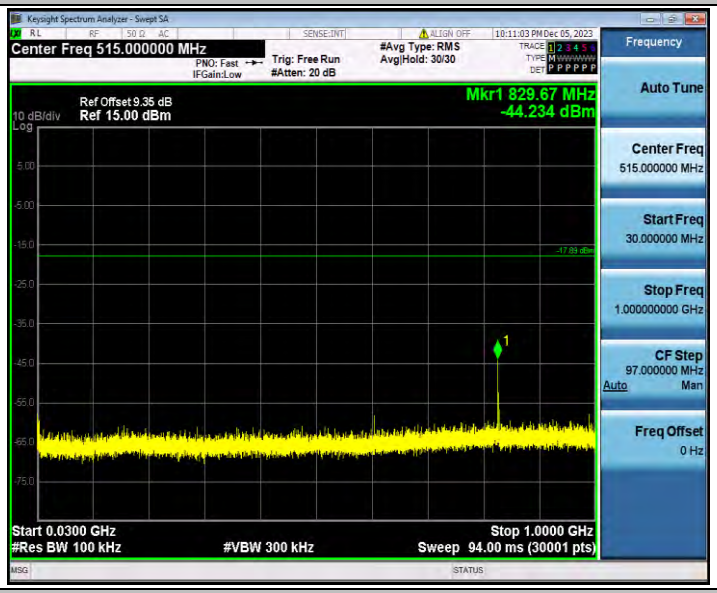
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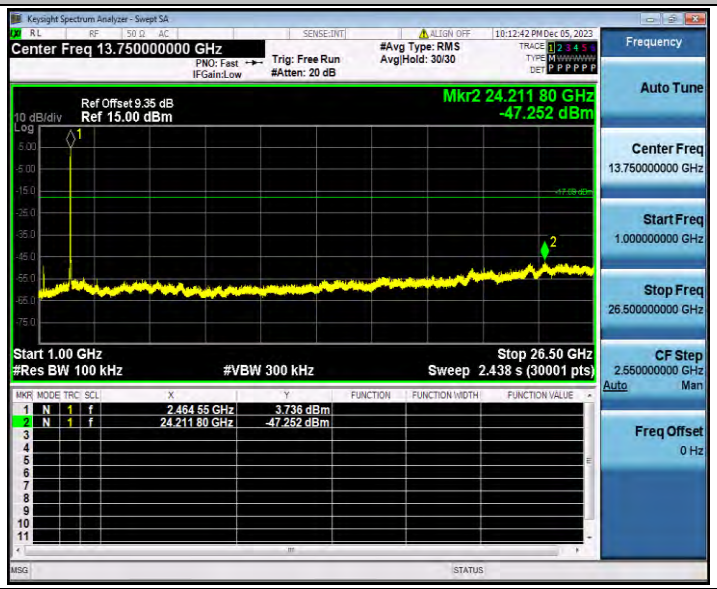
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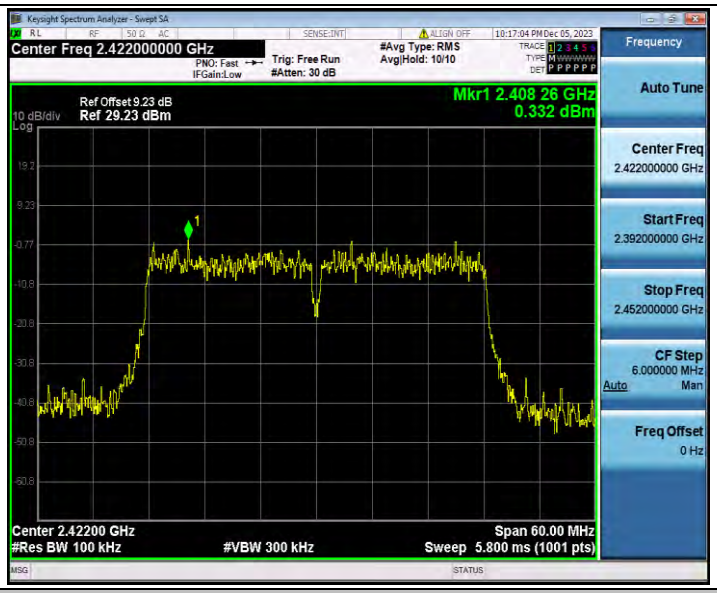
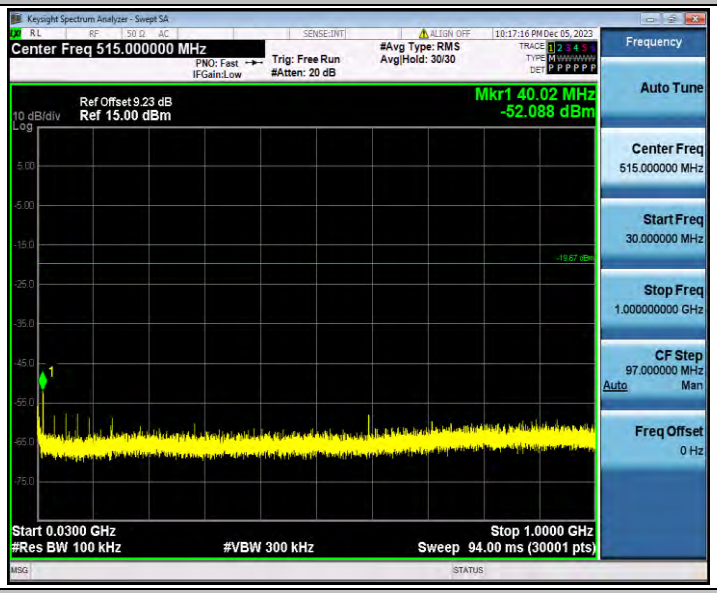


11N40SISO_Ant2_2422_0~Reference



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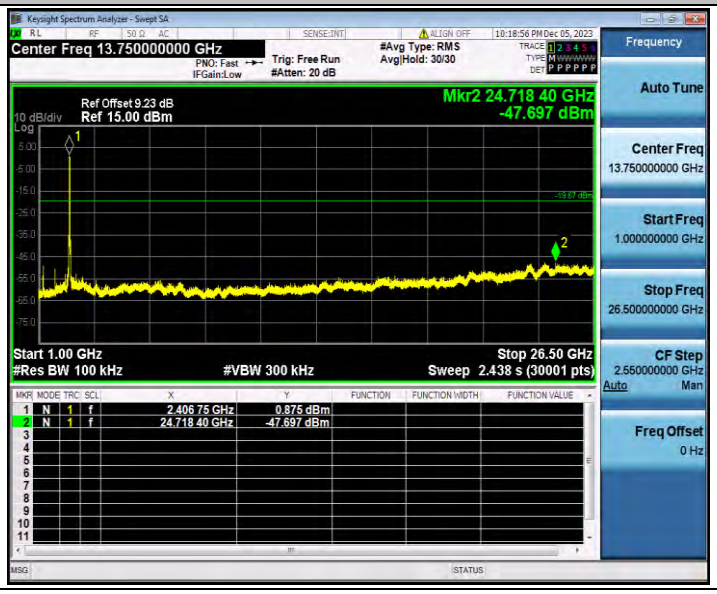

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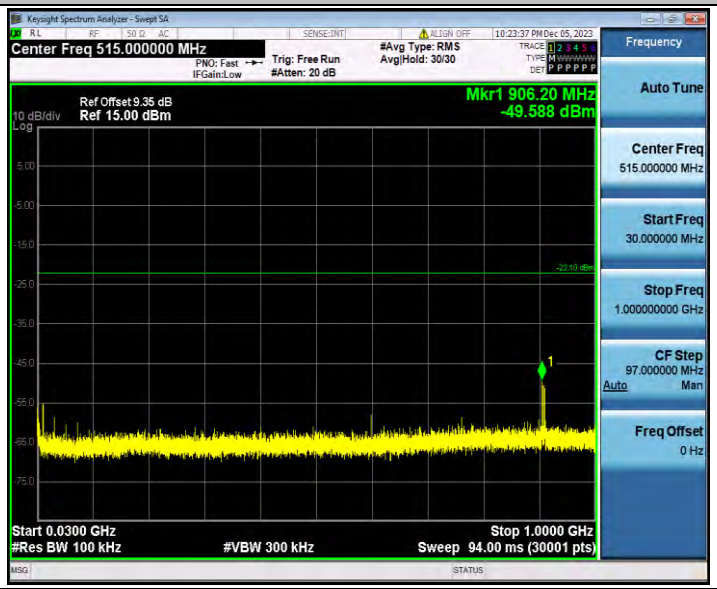

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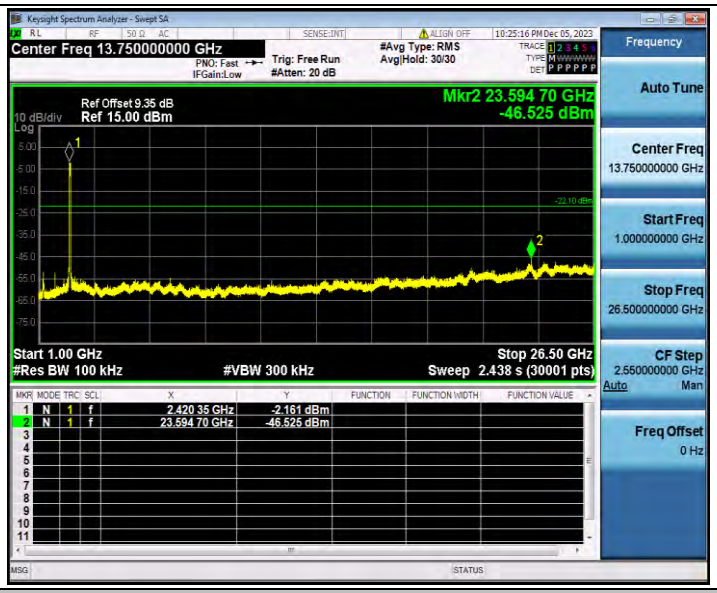

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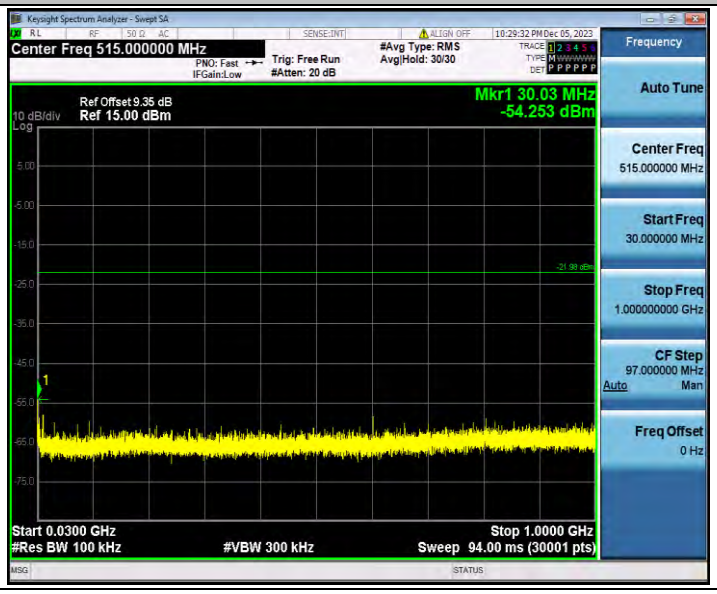

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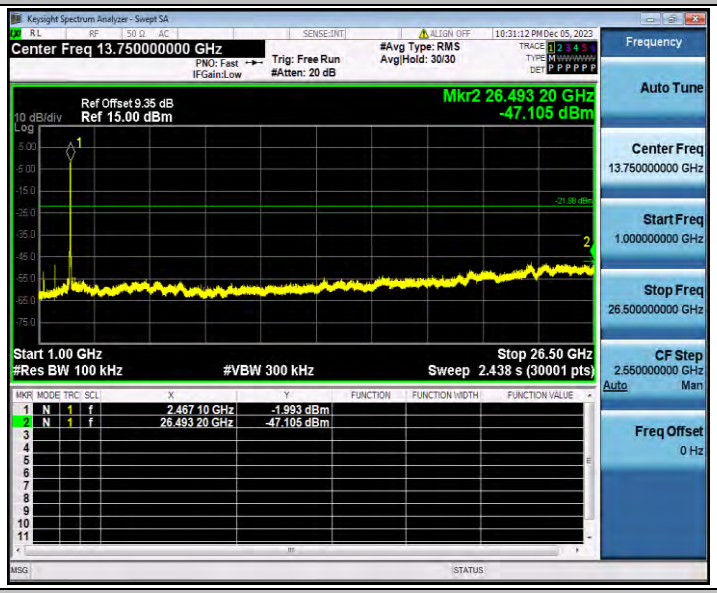

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