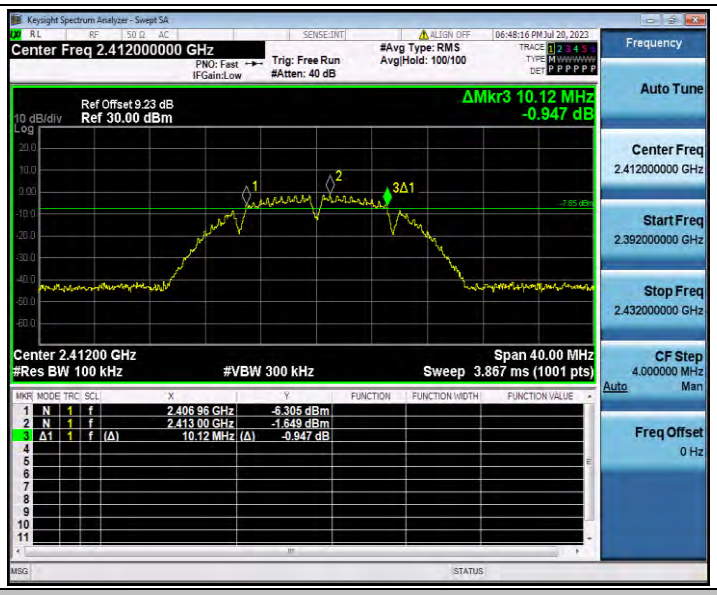
Case No. : GTS20230629015-1-12	
Ambient Condition: 23 ℃, 50 %RH, Atmos100.1Kpa,	
Test Date: 2023.7.19	**Test Engineer:** Evan Ouyang

Appendix C.1: DTS Bandwidth

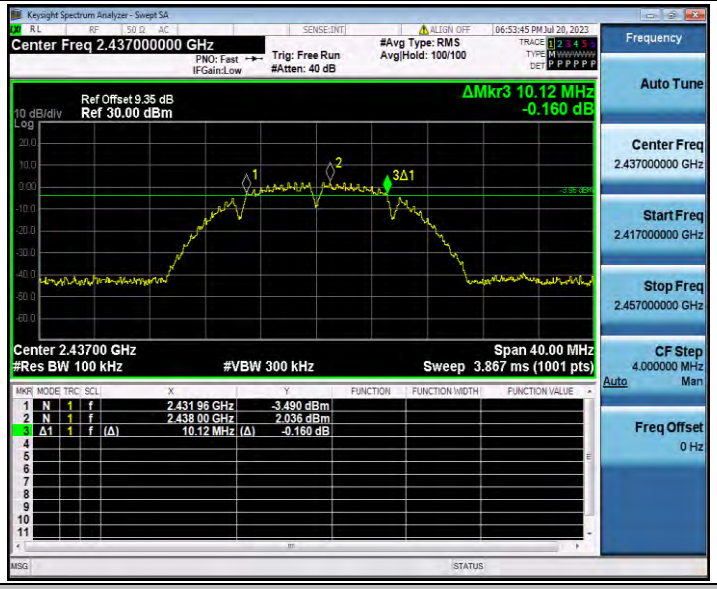
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	10.120	2406.960	2417.080	0.5	PASS
		2437	10.120	2431.960	2442.080	0.5	PASS
		2462	10.120	2456.960	2467.080	0.5	PASS
11G	Ant2	2412	16.400	2403.800	2420.200	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant2	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant2	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.400	2418.840	2455.240	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

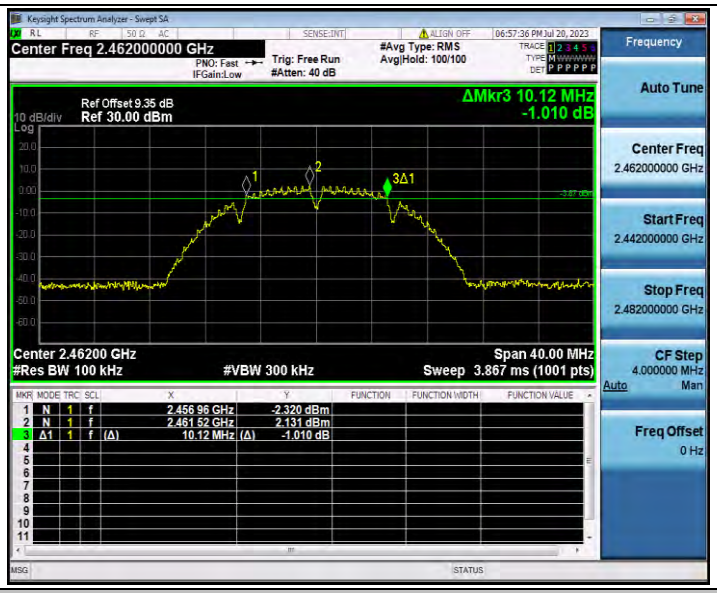
Test Graphs



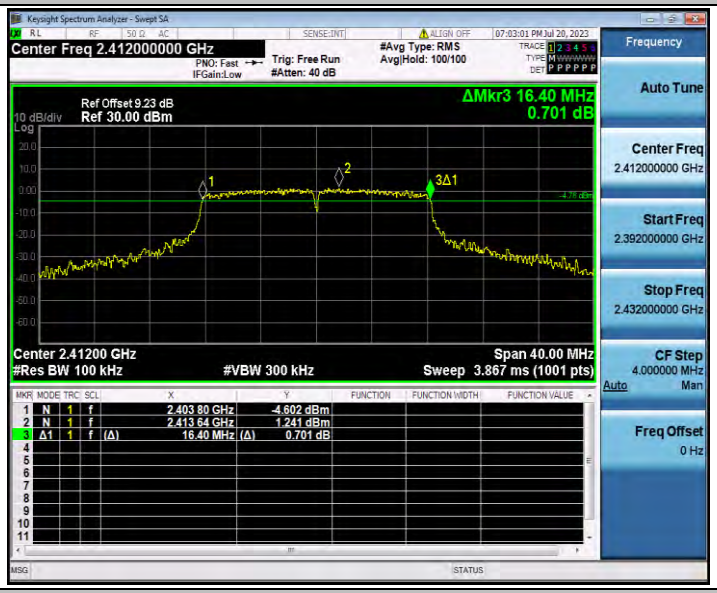
11B_Ant2_2412



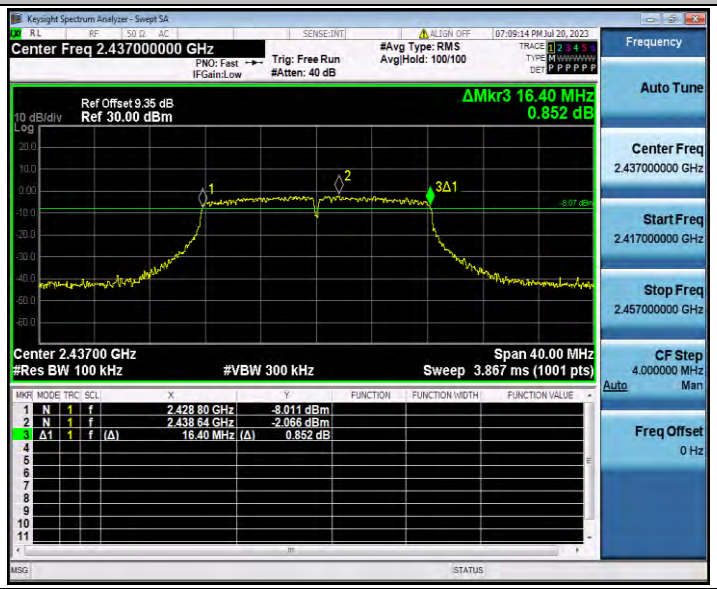
11B_Ant2_2437

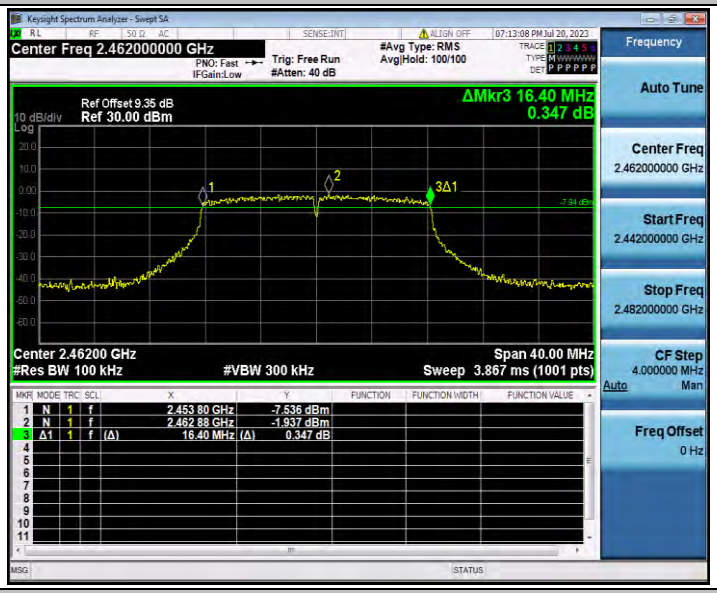
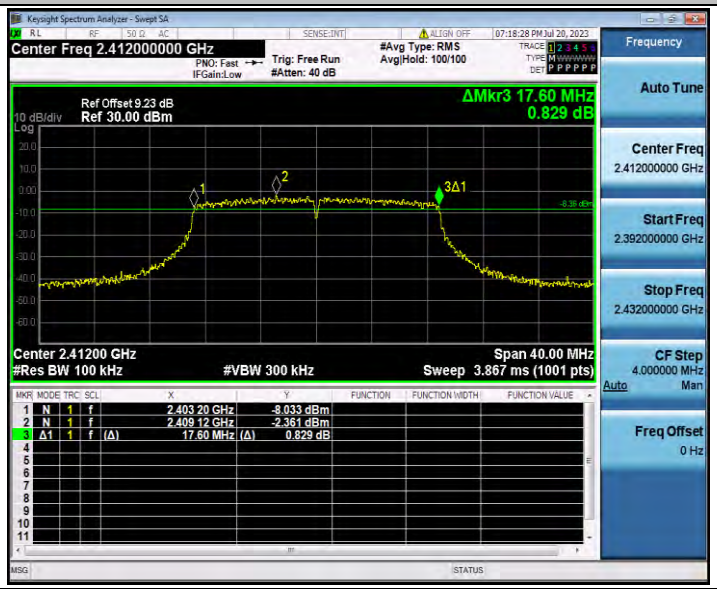


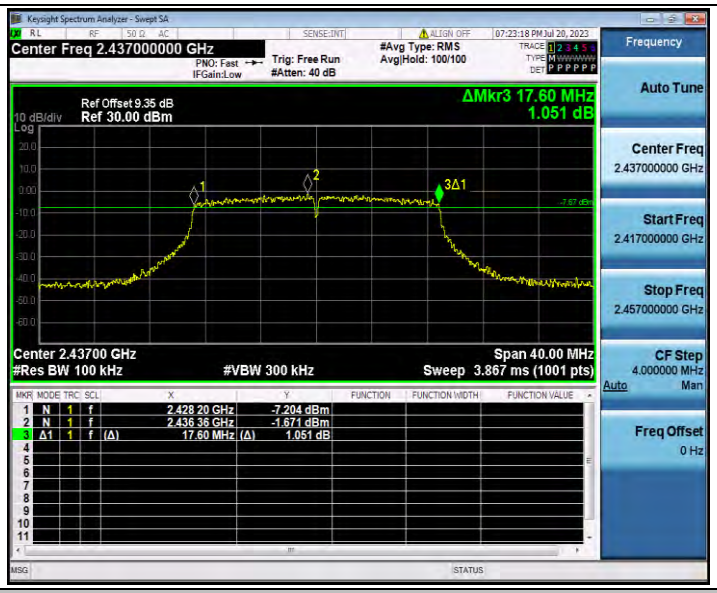
11B_Ant2_2462



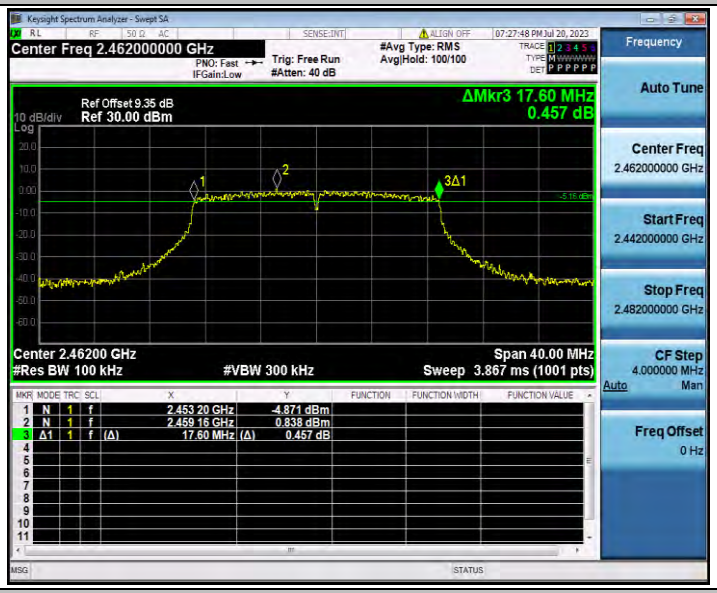
11G_Ant2_2412



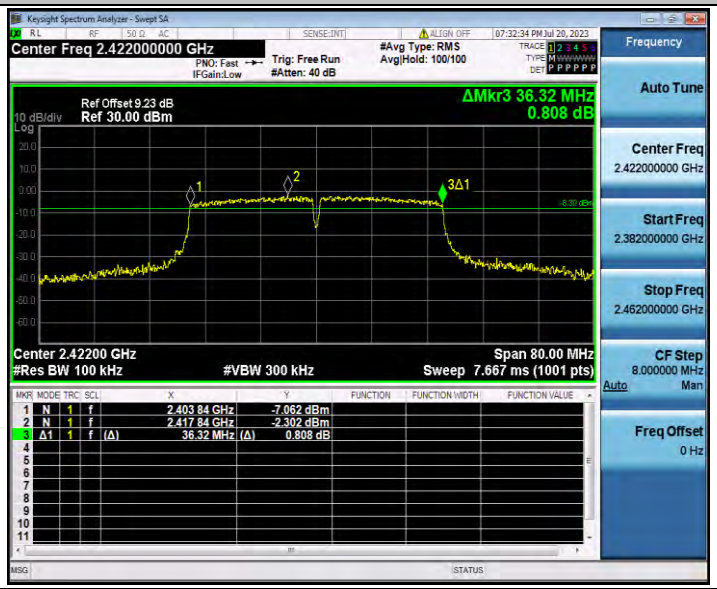
11G_Ant2_2437

11G_Ant2_2462

11N20SISO_Ant2_2412

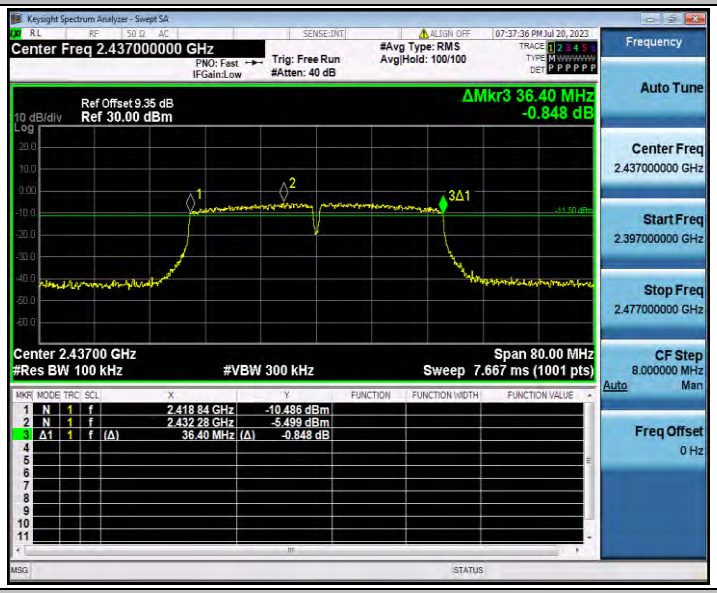
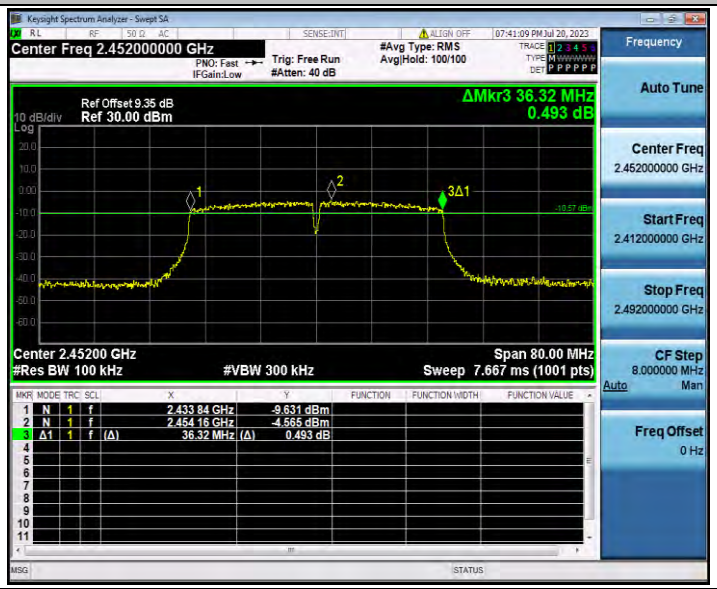


11N20SISO_Ant2_2437



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	14.812	2404.621	2419.433	---	---
		2437	14.685	2429.711	2444.396	---	---
		2462	14.663	2454.677	2469.340	---	---
11G	Ant2	2412	16.872	2403.524	2420.396	---	---
		2437	16.692	2428.631	2445.323	---	---
		2462	16.709	2453.588	2470.297	---	---
11N20SISO	Ant2	2412	17.834	2403.093	2420.927	---	---
		2437	17.856	2428.112	2445.968	---	---
		2462	17.852	2453.083	2470.935	---	---
11N40SISO	Ant2	2422	36.270	2403.961	2440.231	---	---
		2437	36.203	2418.989	2455.192	---	---
		2452	36.117	2433.993	2470.110	---	---

Test Graphs

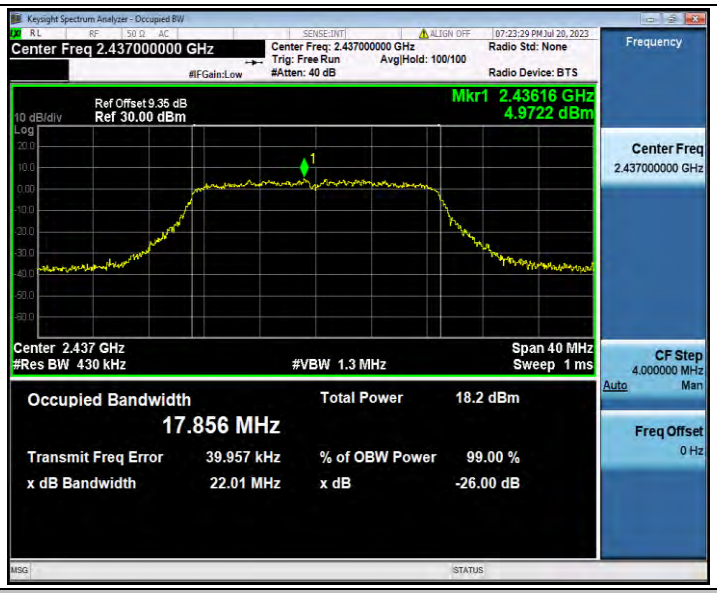
11B_Ant2_2412

11B_Ant2_2437

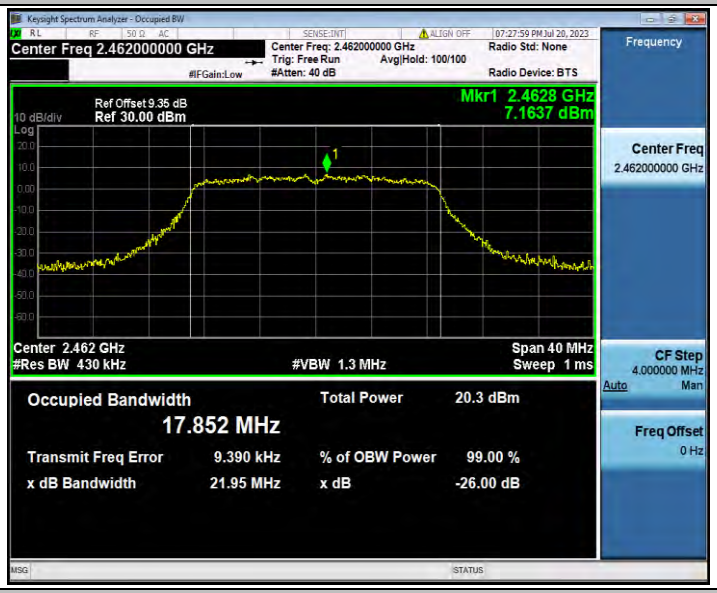
11B_Ant2_2462

11G_Ant2_2412

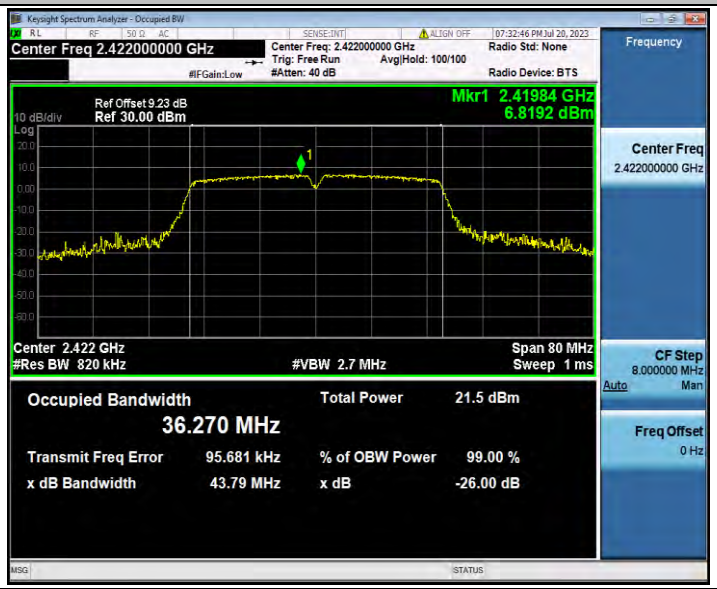
11G_Ant2_2437
11G_Ant2_2462
11N20SISO_Ant2_2412



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

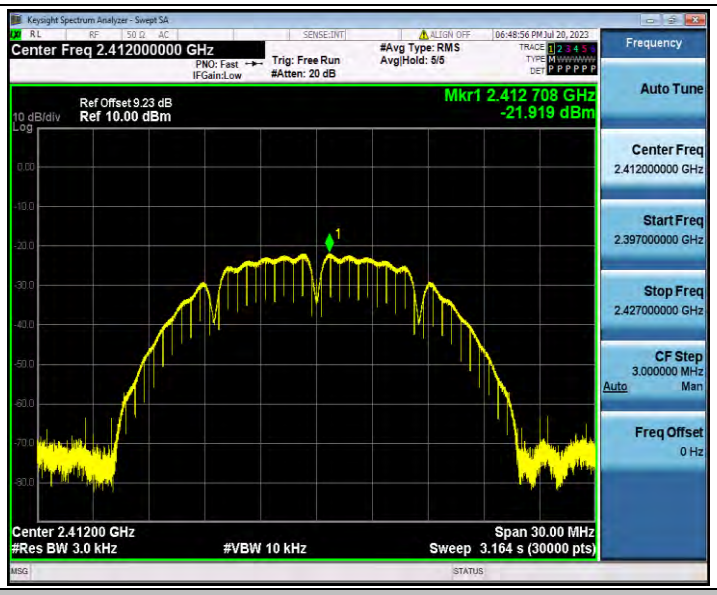
Test Mode	Antenna	Frequency[MHz]	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	15.66	≤30.00	PASS
		2437	15.40	≤30.00	PASS
		2462	15.50	≤30.00	PASS
11G	Ant2	2412	22.19	≤30.00	PASS
		2437	18.81	≤30.00	PASS
		2462	19.18	≤30.00	PASS
11N20SISO	Ant2	2412	18.75	≤30.00	PASS
		2437	19.58	≤30.00	PASS
		2462	21.64	≤30.00	PASS
11N40SISO	Ant2	2422	21.87	≤30.00	PASS
		2437	18.75	≤30.00	PASS
		2452	19.55	≤30.00	PASS

Appendix C.4: Maximum power spectral density

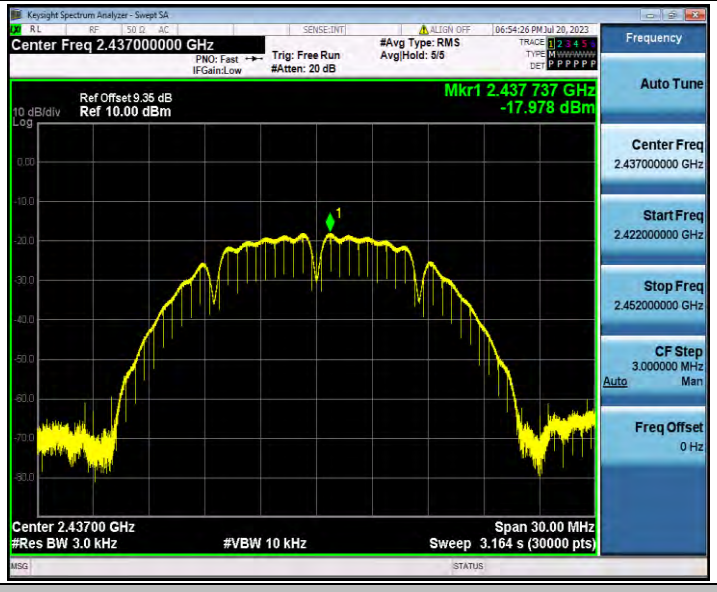
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-21.92	≤8.00	PASS
		2437	-17.98	≤8.00	PASS
		2462	-17.79	≤8.00	PASS
11G	Ant2	2412	-12.99	≤8.00	PASS
		2437	-16.17	≤8.00	PASS
		2462	-15.85	≤8.00	PASS
11N20SISO	Ant2	2412	-15.64	≤8.00	PASS
		2437	-15.5	≤8.00	PASS
		2462	-13.45	≤8.00	PASS
11N40SISO	Ant2	2422	-13.33	≤8.00	PASS
		2437	-17.38	≤8.00	PASS
		2452	-16.18	≤8.00	PASS

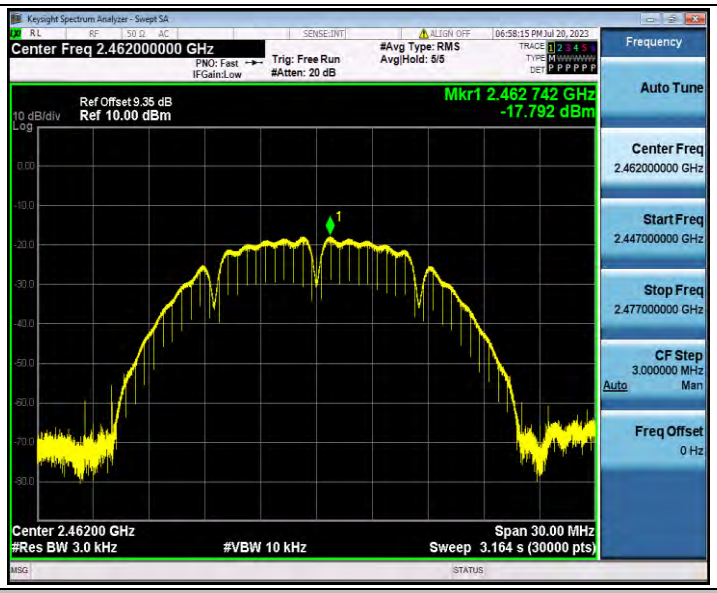
Test Graphs



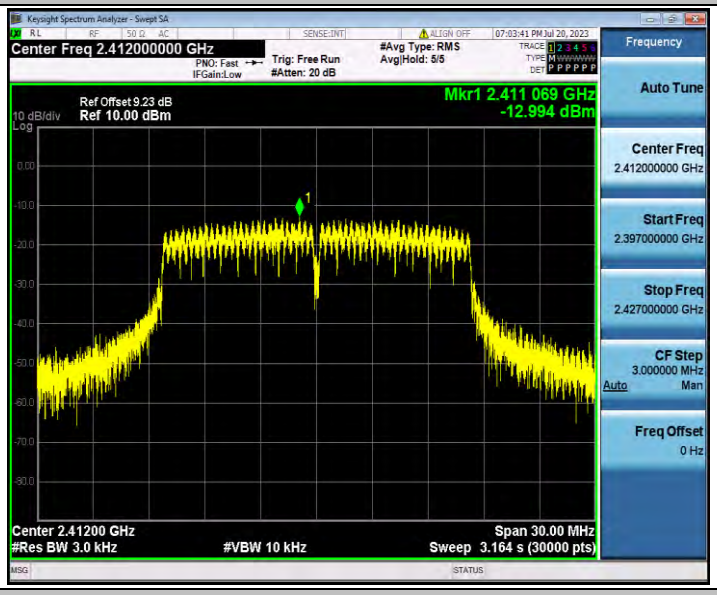
11B_Ant2_2412



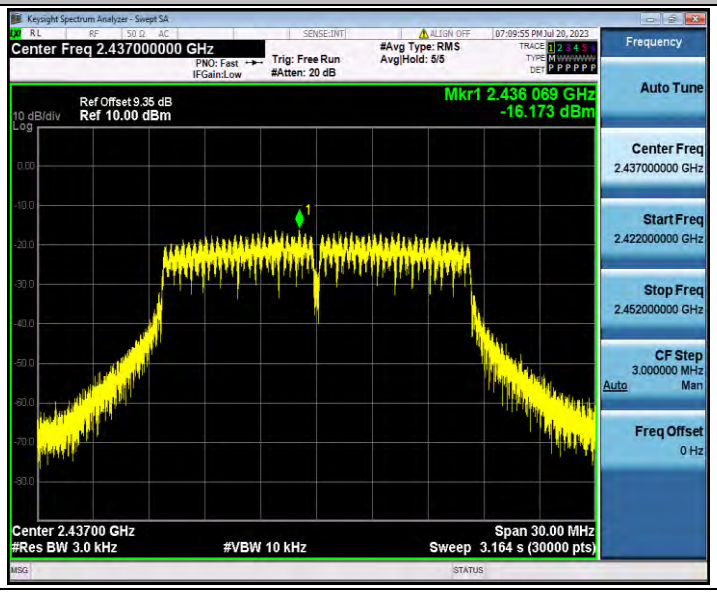
11B_Ant2_2437

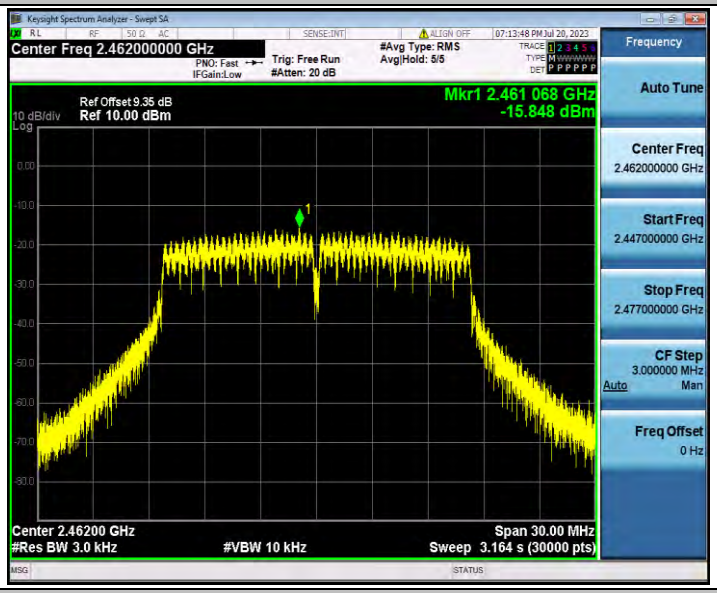
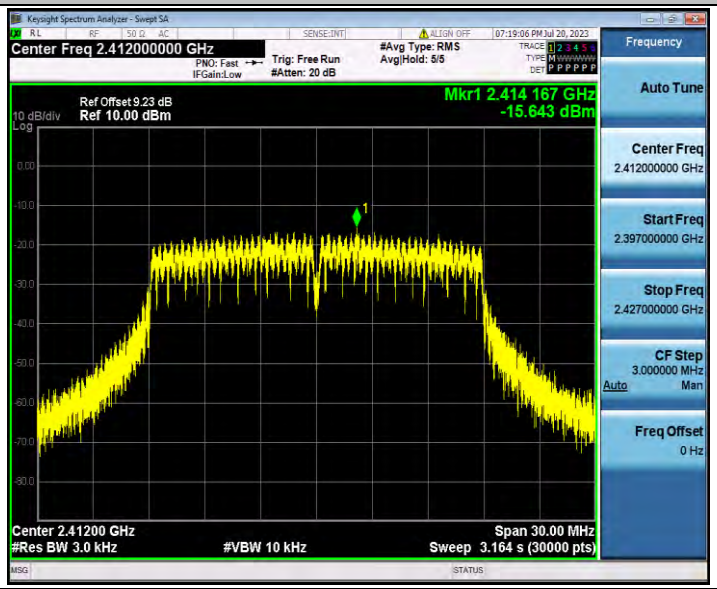


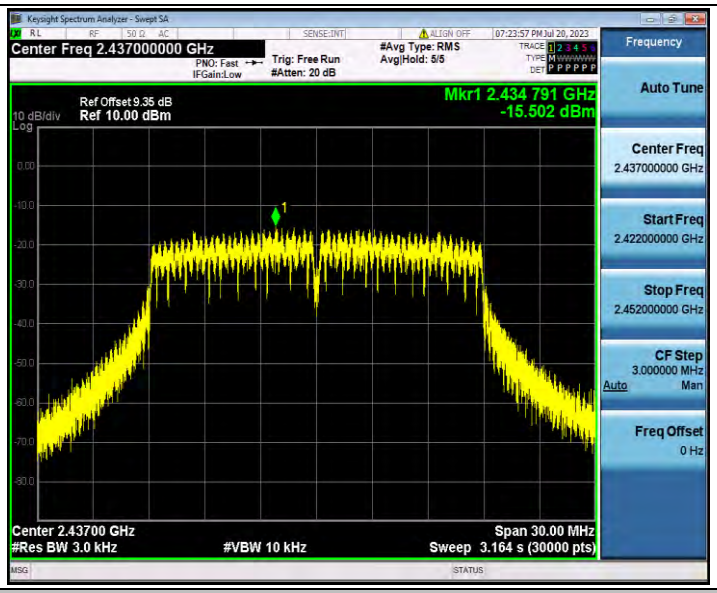
11B_Ant2_2462



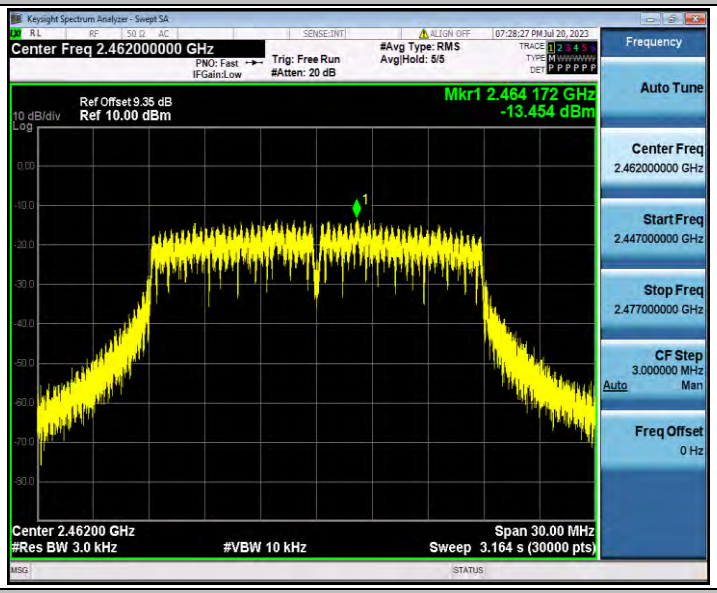
11G_Ant2_2412



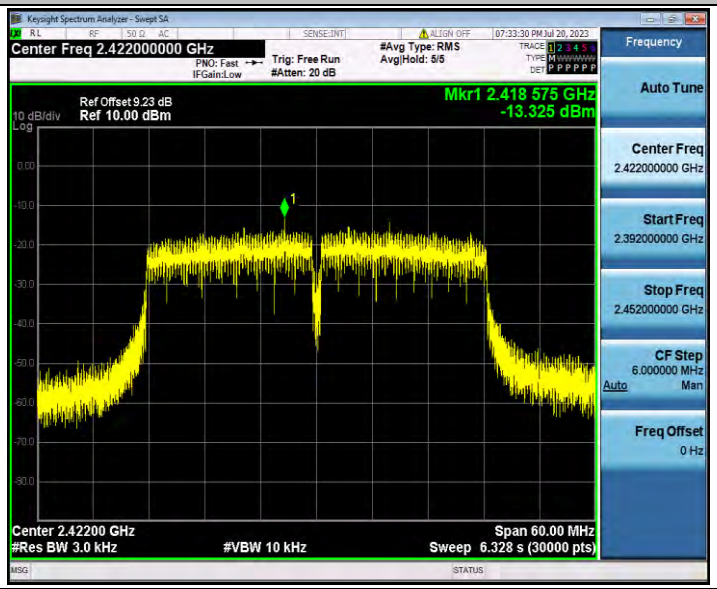
11G_Ant2_2437

11G_Ant2_2462

11N20SISO_Ant2_2412

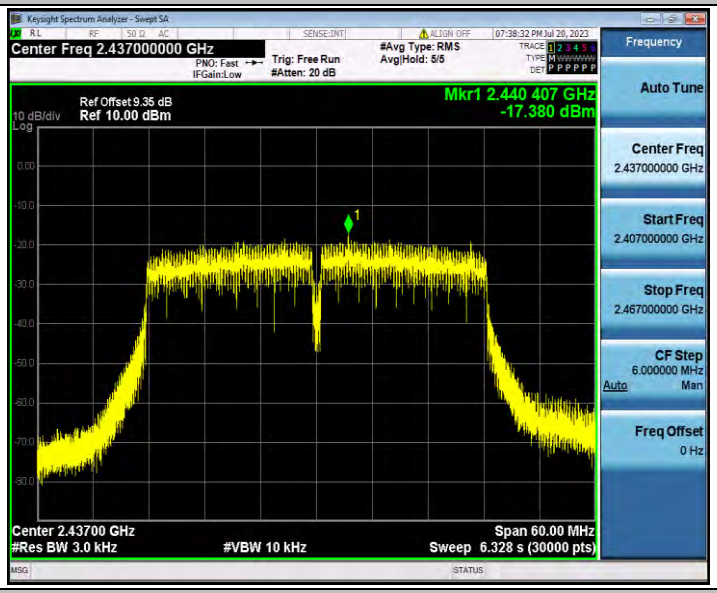
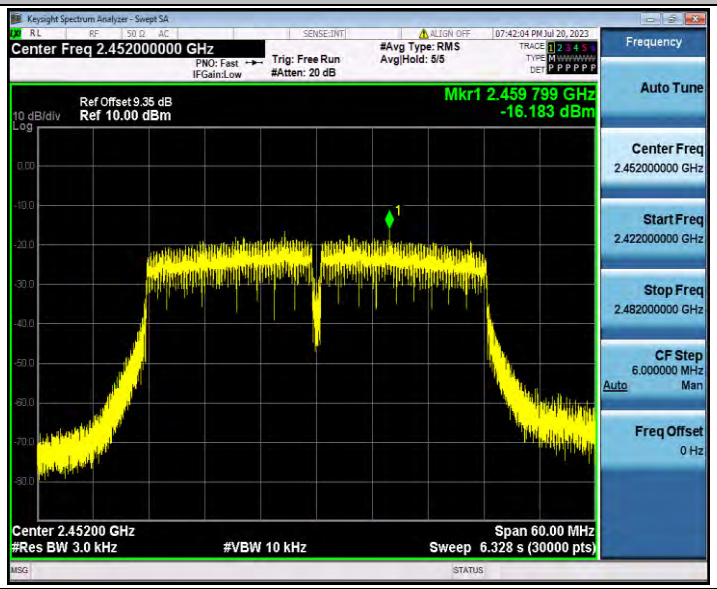


11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



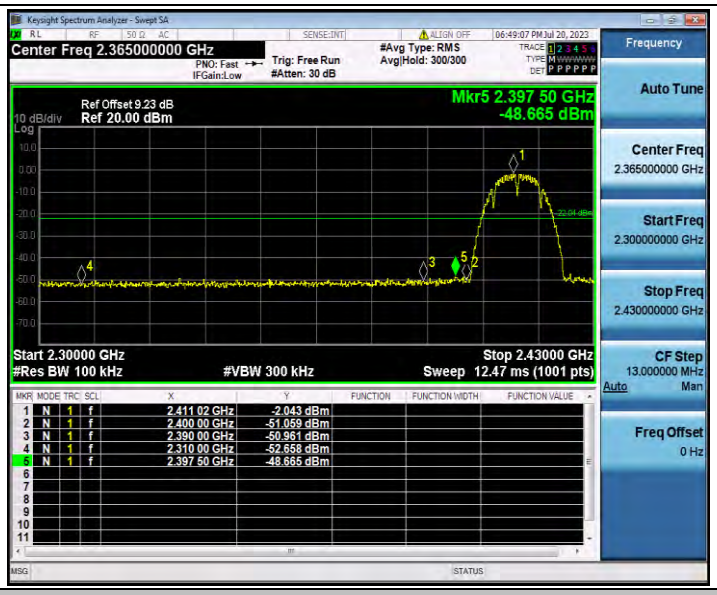
11N40SISO_Ant2_2422

11N40SISO_Ant2_2437

11N40SISO_Ant2_2452

Appendix C.5: Band edge measurements

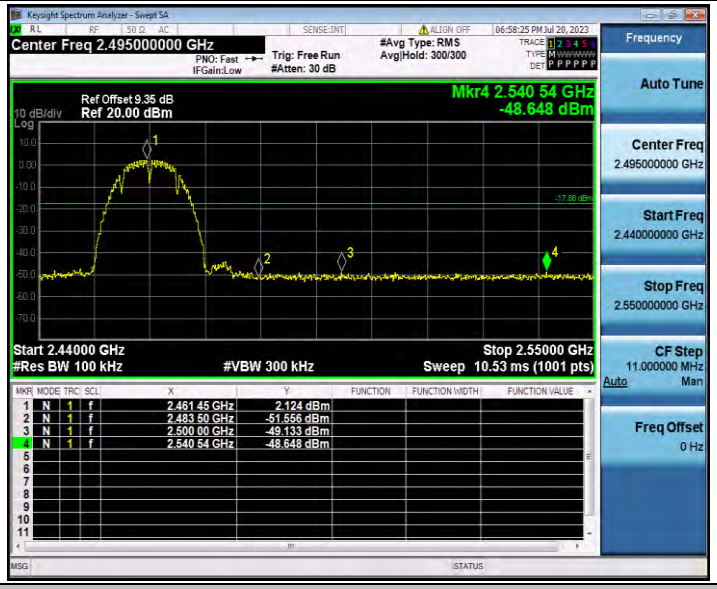
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	-2.04	-48.67	≤-22.04	PASS
		High	2462	2.12	-48.65	≤-17.88	PASS
11G	Ant2	Low	2412	1.05	-26.27	≤-18.95	PASS
		High	2462	-1.76	-48.55	≤-21.76	PASS
11N20SISO	Ant2	Low	2412	-2.63	-35.15	≤-22.63	PASS
		High	2462	0.40	-46.95	≤-19.6	PASS
11N40SISO	Ant2	Low	2422	-2.59	-32.88	≤-22.59	PASS
		High	2452	-4.68	-44.71	≤-24.68	PASS

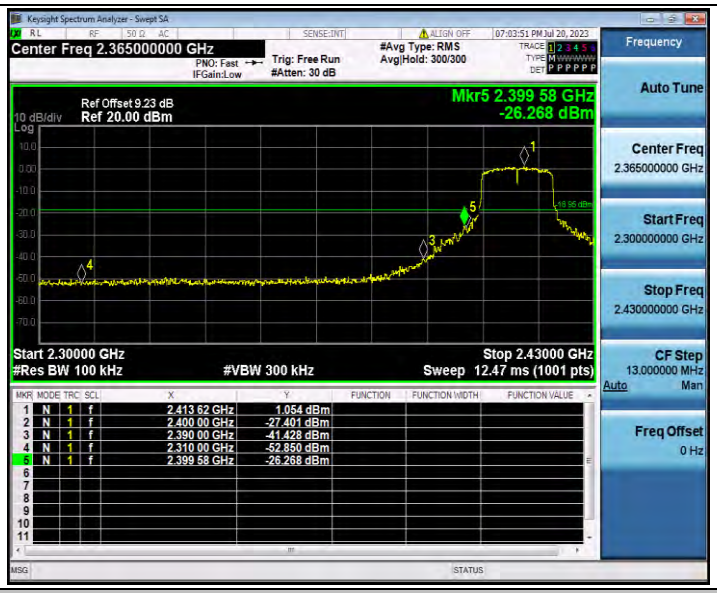
Test Graphs



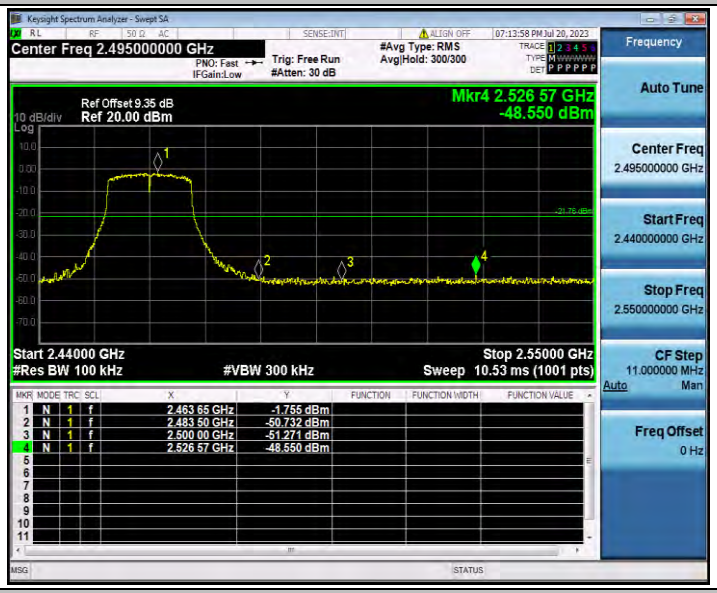
11B_Ant2_Low_2412



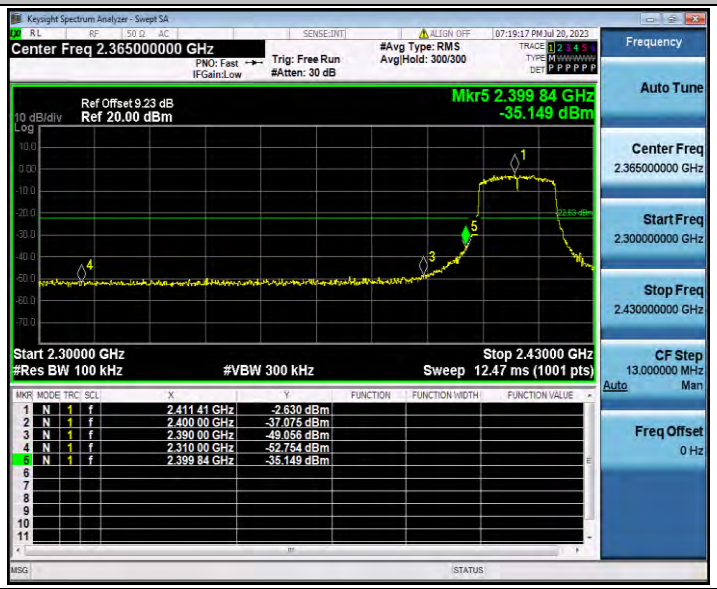
11B_Ant2_High_2462

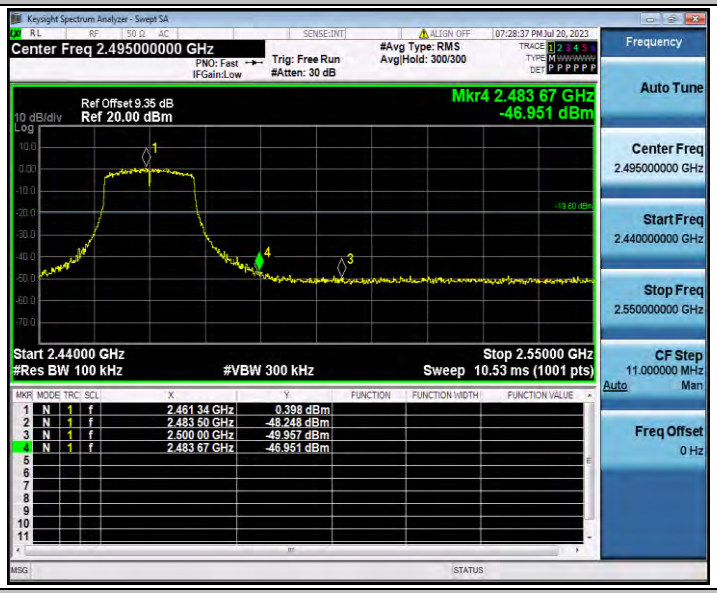


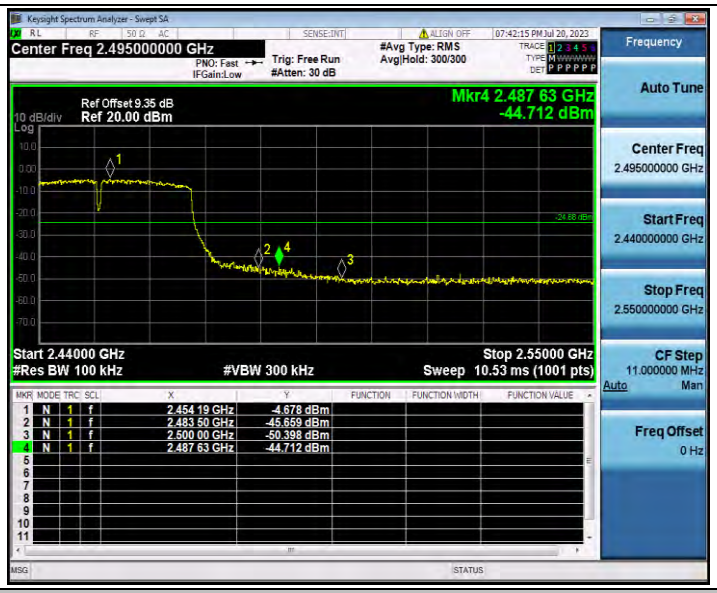
11G_Ant2_Low_2412



11G_Ant2_High_2462



11N20SISO_Ant2_Low_2412

11N20SISO_Ant2_High_2462
11N40SISO_Ant2_Low_2422



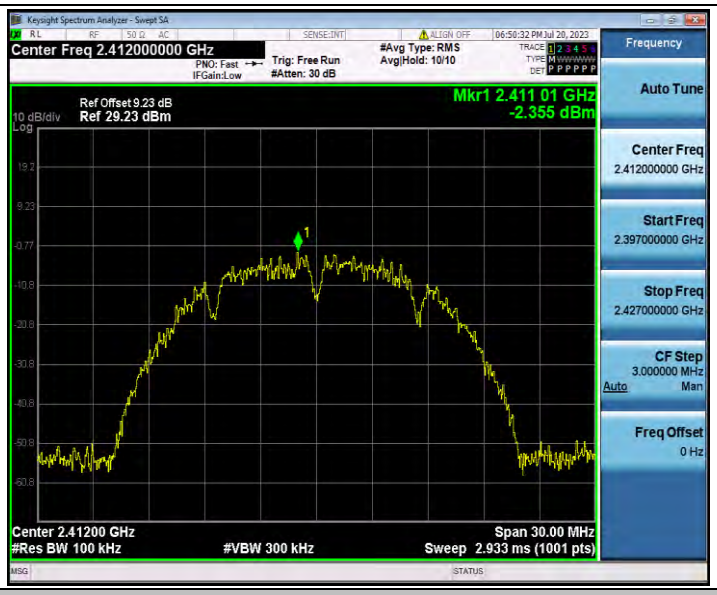
11N40SISO_Ant2_High_2452

Appendix C.6: Conducted Spurious Emission

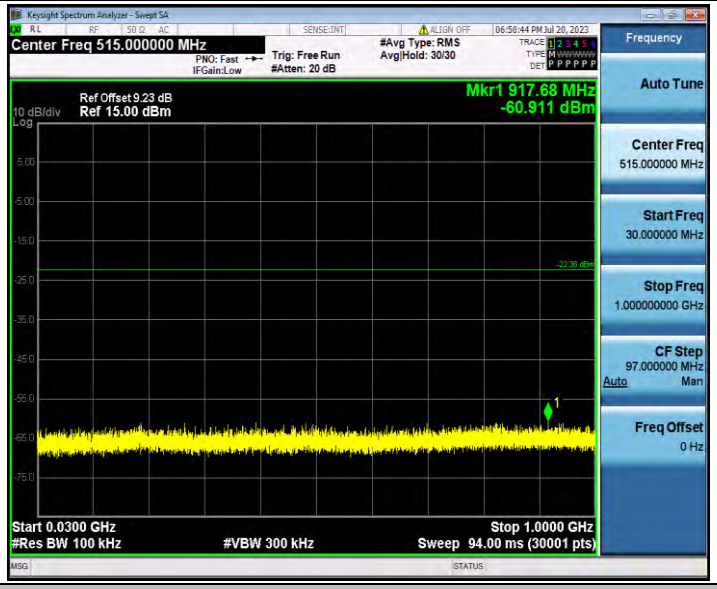
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	-2.36	-2.36	---	PASS
			30~1000	-2.36	-60.91	≤-22.36	PASS
			1000~26500	-2.36	-47.76	≤-22.36	PASS
		2437	Reference	1.69	1.69	---	PASS
			30~1000	1.69	-59.79	≤-18.31	PASS
			1000~26500	1.69	-47.22	≤-18.31	PASS
		2462	Reference	2.01	2.01	---	PASS
			30~1000	2.01	-59.83	≤-17.99	PASS
			1000~26500	2.01	-47.61	≤-17.99	PASS
11G	Ant2	2412	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-60.68	≤-19.25	PASS
			1000~26500	0.75	-47.07	≤-19.25	PASS
		2437	Reference	-2.62	-2.62	---	PASS
			30~1000	-2.62	-59.77	≤-22.62	PASS
			1000~26500	-2.62	-47.06	≤-22.62	PASS
		2462	Reference	-2.43	-2.43	---	PASS
			30~1000	-2.43	-59.06	≤-22.43	PASS
			1000~26500	-2.43	-47.39	≤-22.43	PASS
11N20SISO	Ant2	2412	Reference	-3.18	-3.18	---	PASS
			30~1000	-3.18	-60.65	≤-23.18	PASS
			1000~26500	-3.18	-47.44	≤-23.18	PASS
		2437	Reference	-1.75	-1.75	---	PASS
			30~1000	-1.75	-44.52	≤-21.75	PASS
			1000~26500	-1.75	-47.65	≤-21.75	PASS
		2462	Reference	-0.46	-0.46	---	PASS
			30~1000	-0.46	-59.68	≤-20.46	PASS
			1000~26500	-0.46	-46.92	≤-20.46	PASS
11N40SISO	Ant2	2422	Reference	-3.27	-3.27	---	PASS
			30~1000	-3.27	-50.52	≤-23.27	PASS
			1000~26500	-3.27	-47.55	≤-23.27	PASS
		2437	Reference	-5.99	-5.99	---	PASS
			30~1000	-5.99	-60.14	≤-25.99	PASS
			1000~26500	-5.99	-47.13	≤-25.99	PASS
		2452	Reference	-5.20	-5.20	---	PASS
			30~1000	-5.20	-50.07	≤-25.2	PASS
			1000~26500	-5.20	-46.59	≤-25.2	PASS

Test Graphs



11B_Ant2_2412_0~Reference



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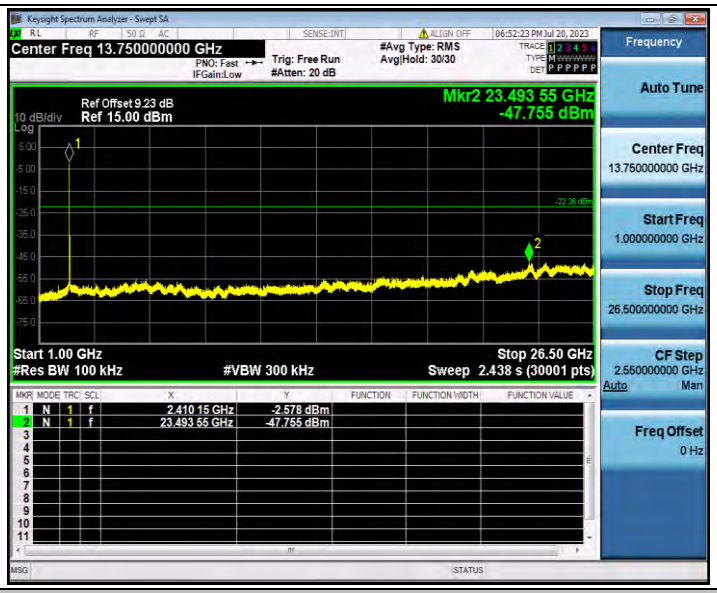
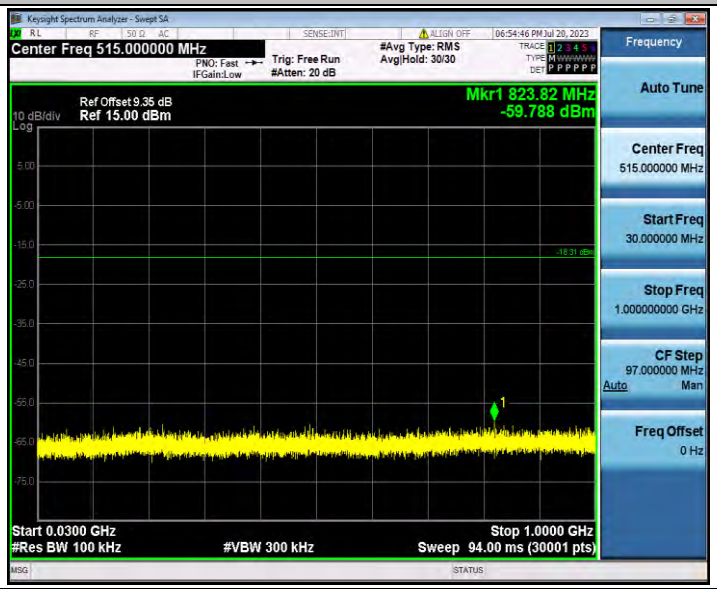


11B_Ant2_2412_1000~26500

11B_Ant2_2437_0~Reference



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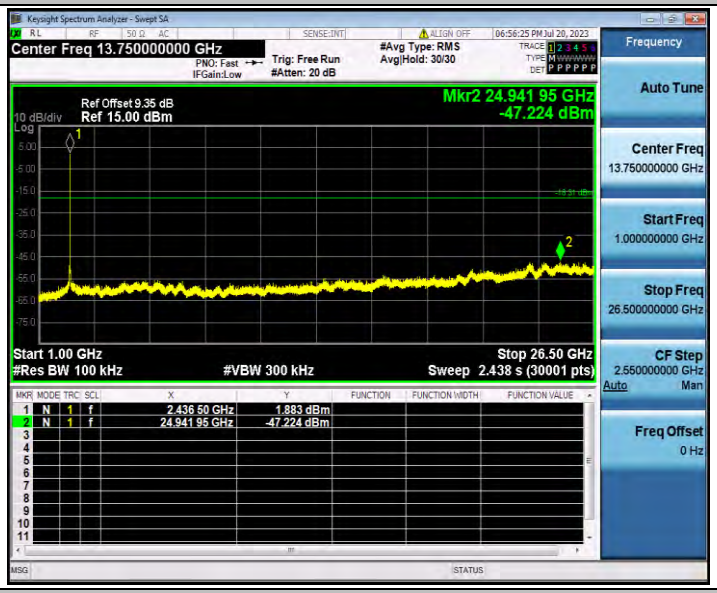
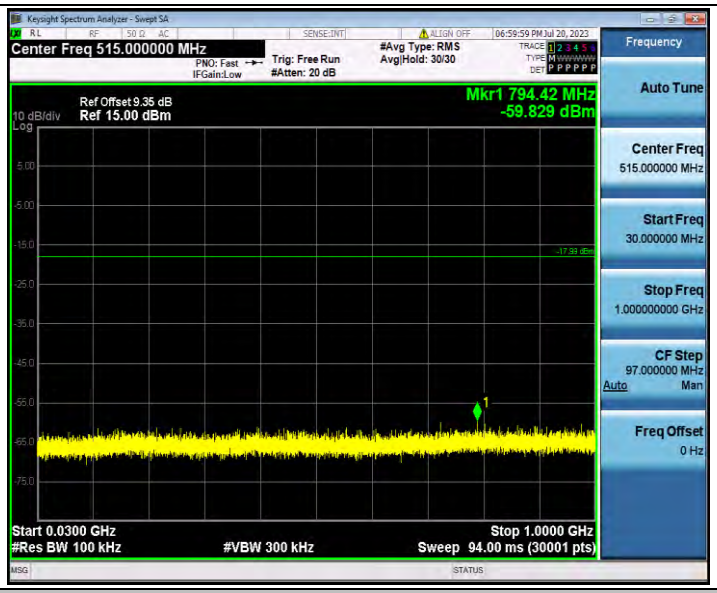

11B_Ant2_2437_1000~26500
11B_Ant2_2462_0~Reference



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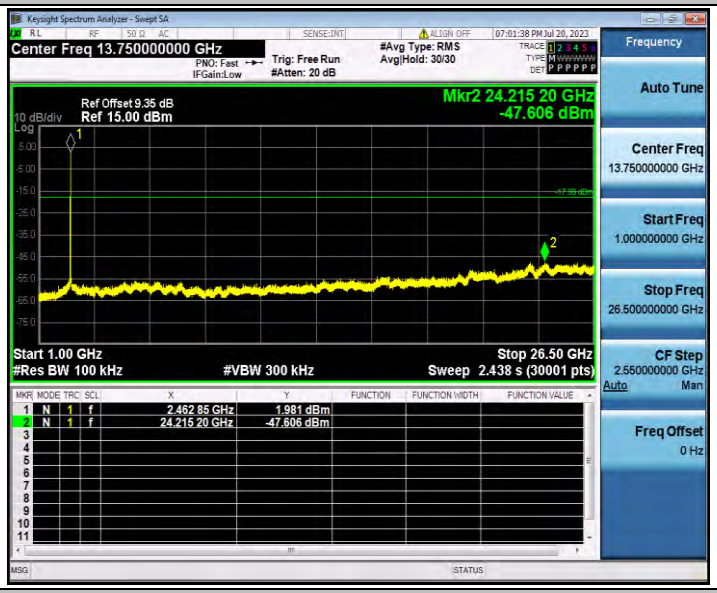

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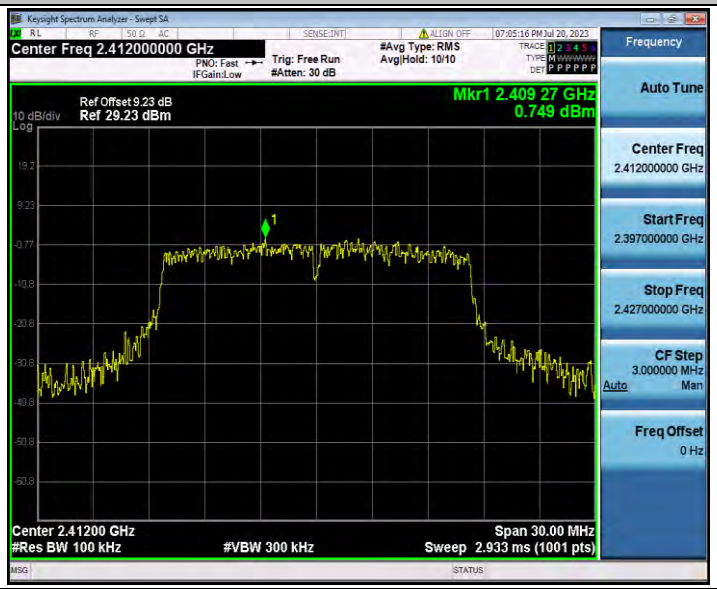

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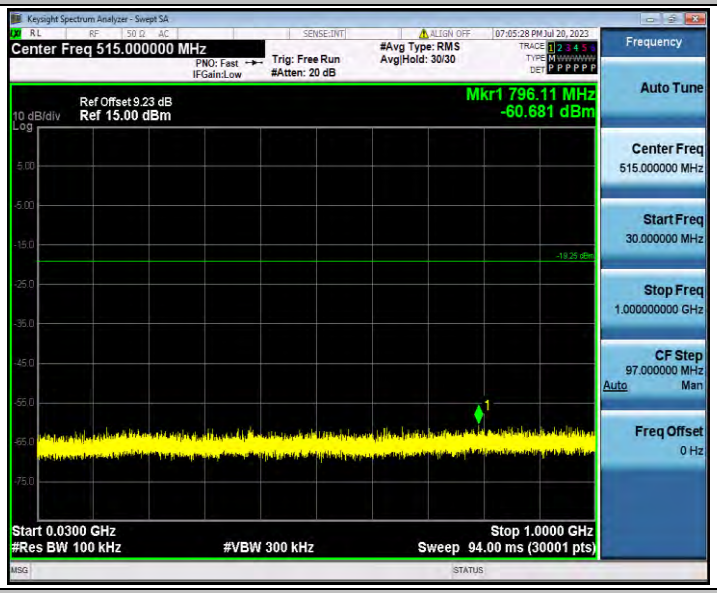
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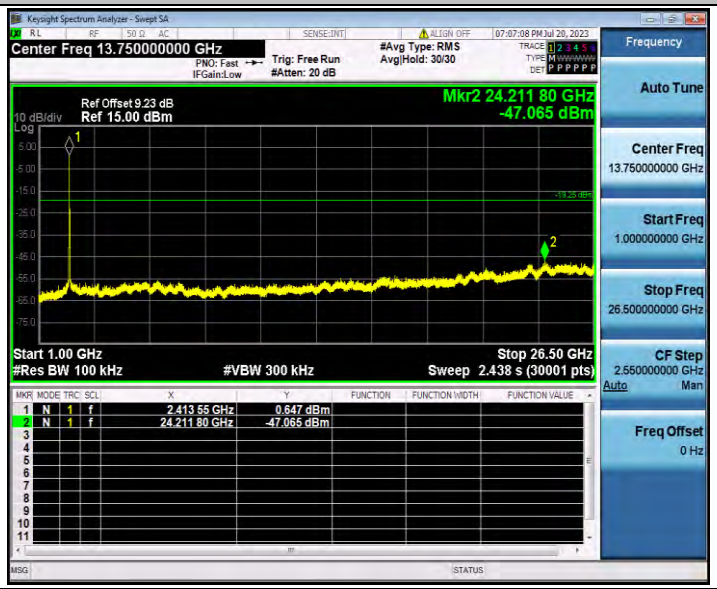
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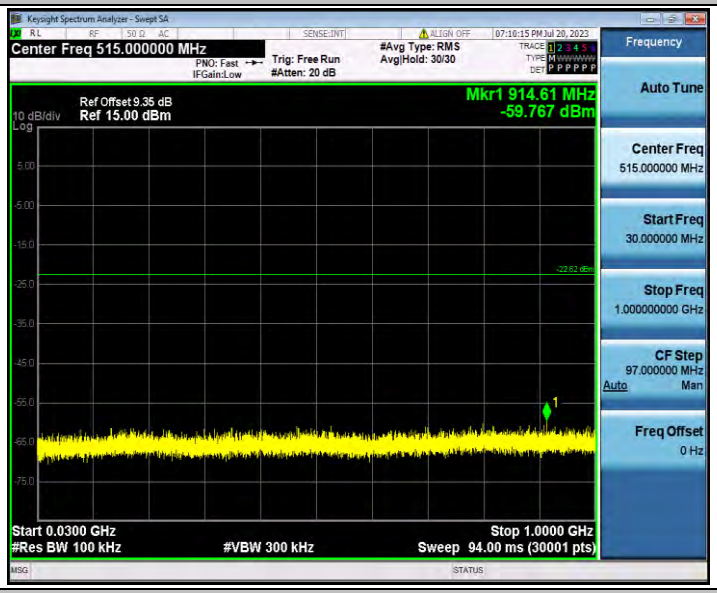

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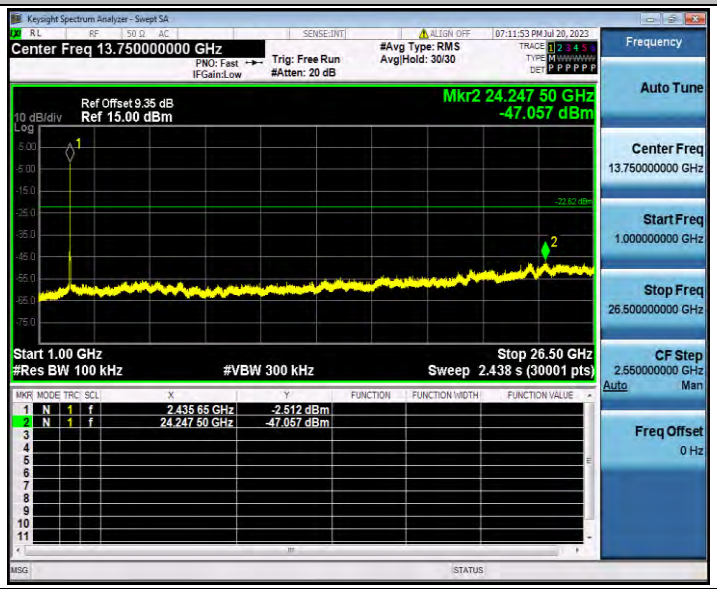

11G_Ant2_2437_1000~26500
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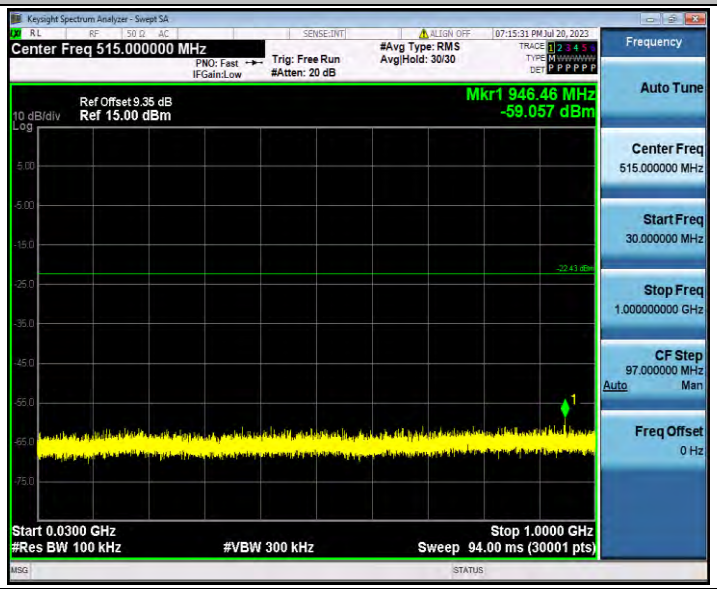
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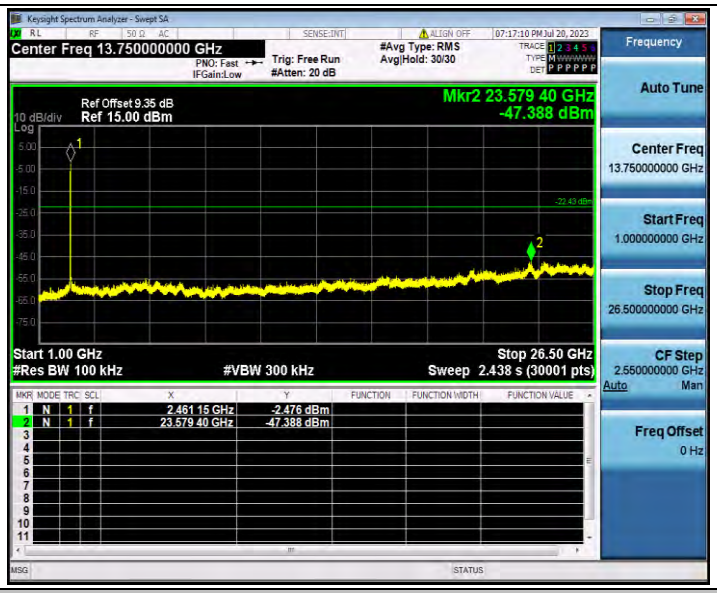

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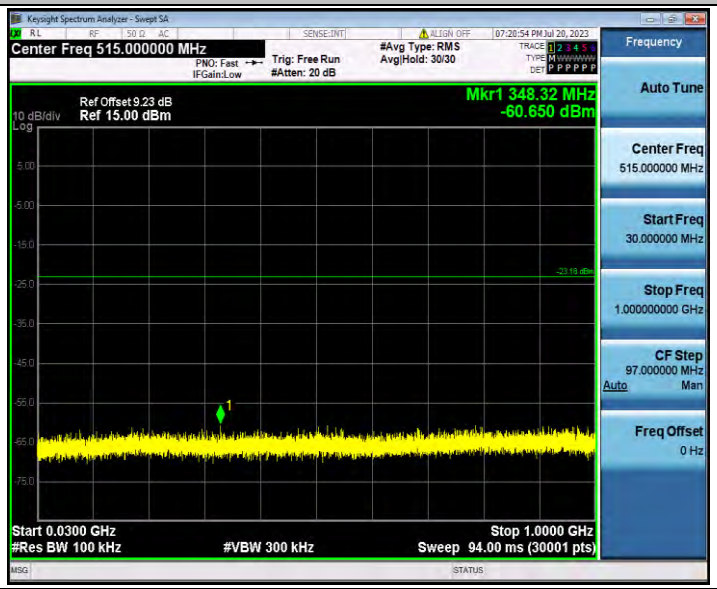

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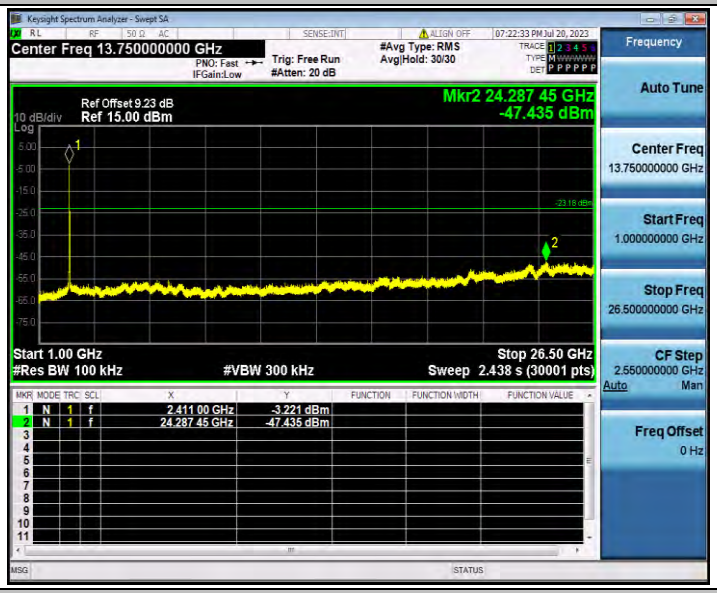
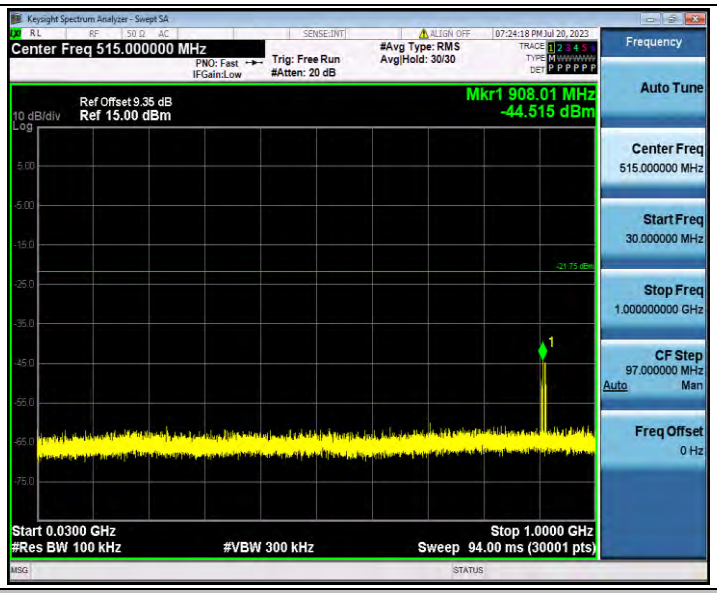

11N20SISO_Ant2_2412_1000~26500
11N20SISO_Ant2_2437_0~Reference



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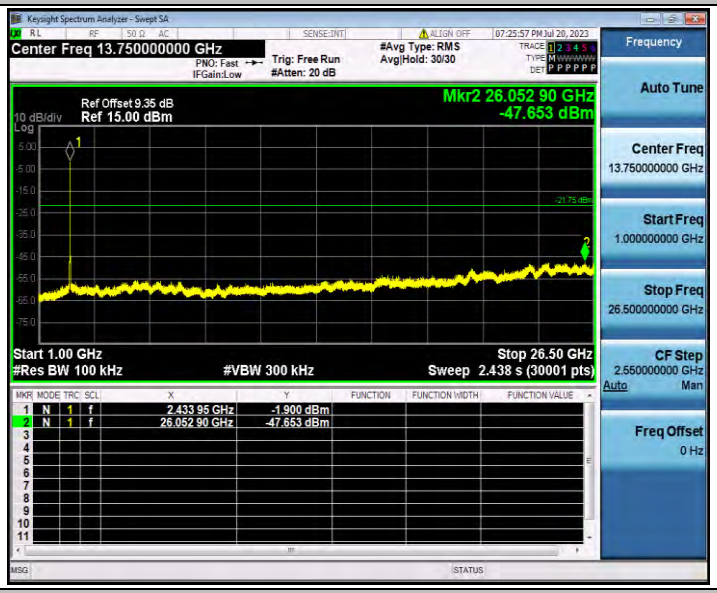
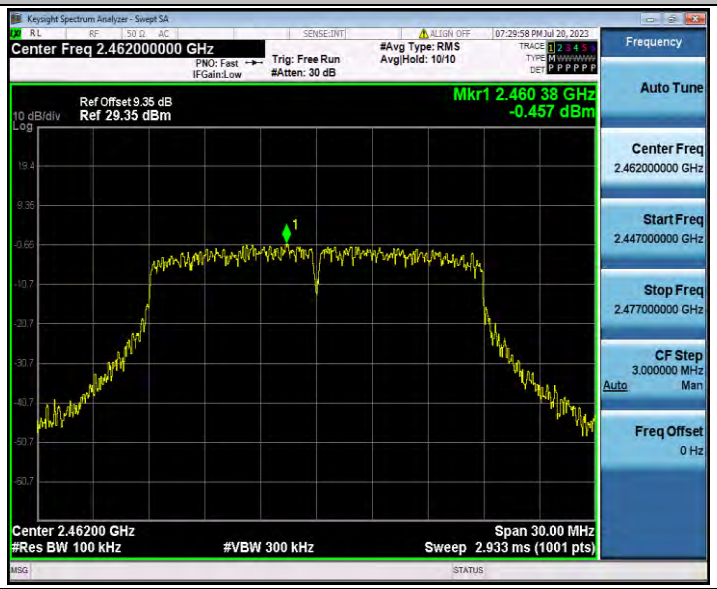


11N20SISO_Ant2_2437_1000~26500



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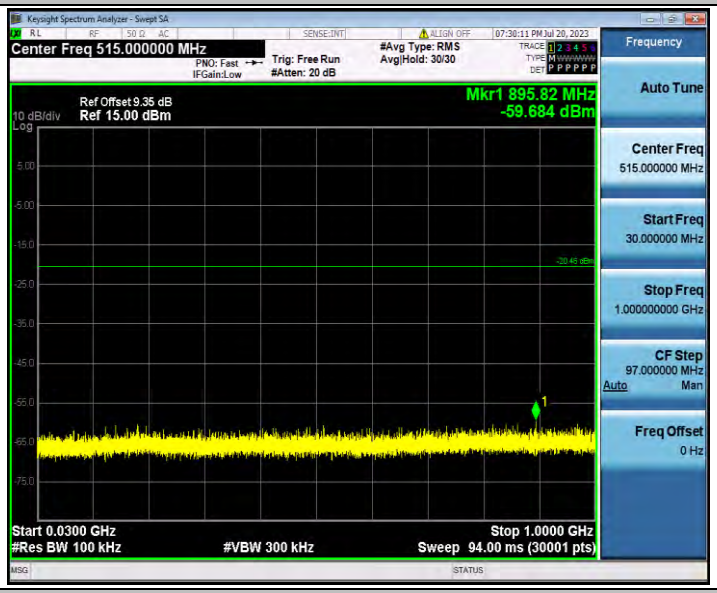
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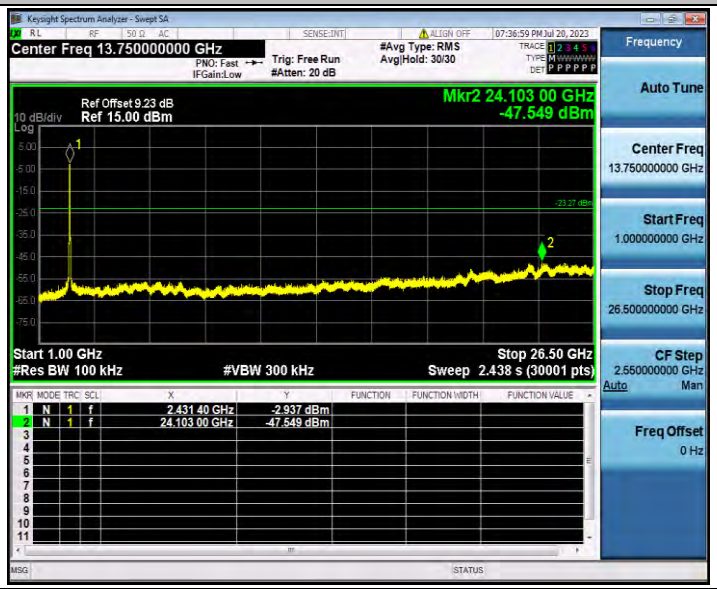
11N20SISO_Ant2_2462_1000~26500

11N40SISO_Ant2_2422_0~Reference

11N40SISO_Ant2_2422_30~1000



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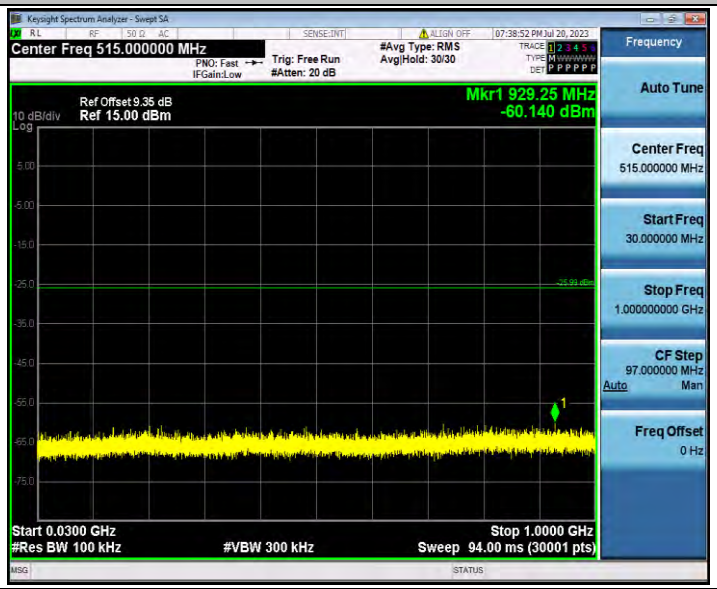
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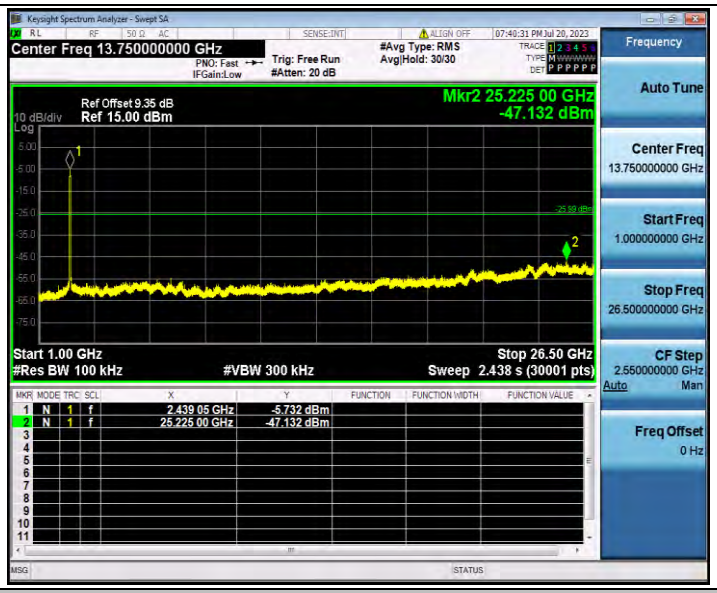

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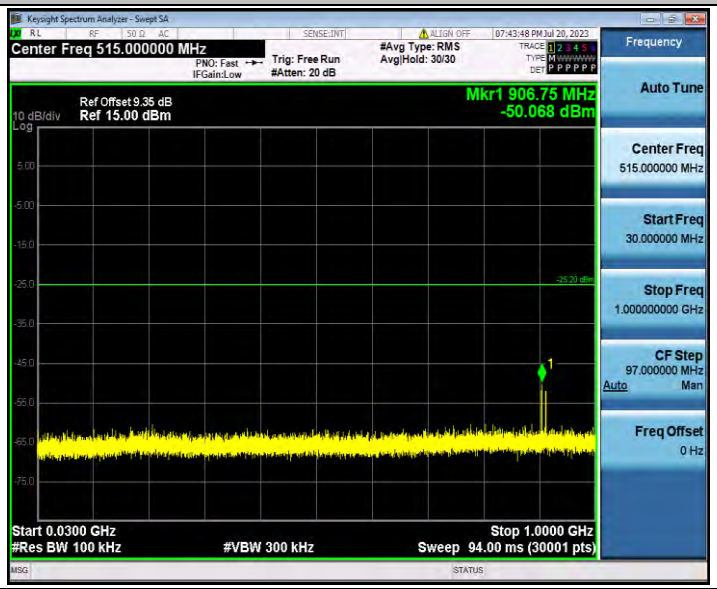
11N40SISO_Ant2_2452_0~Reference



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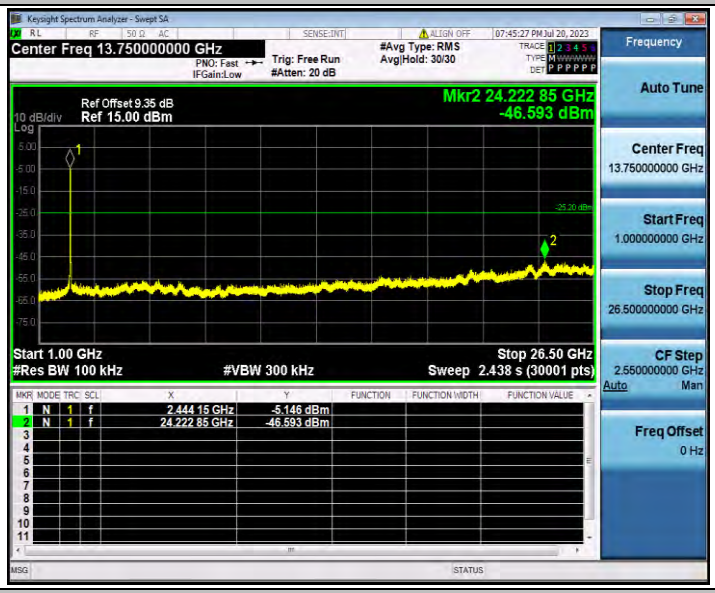
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