

AppendixA.6:Conducted Spurious Emission

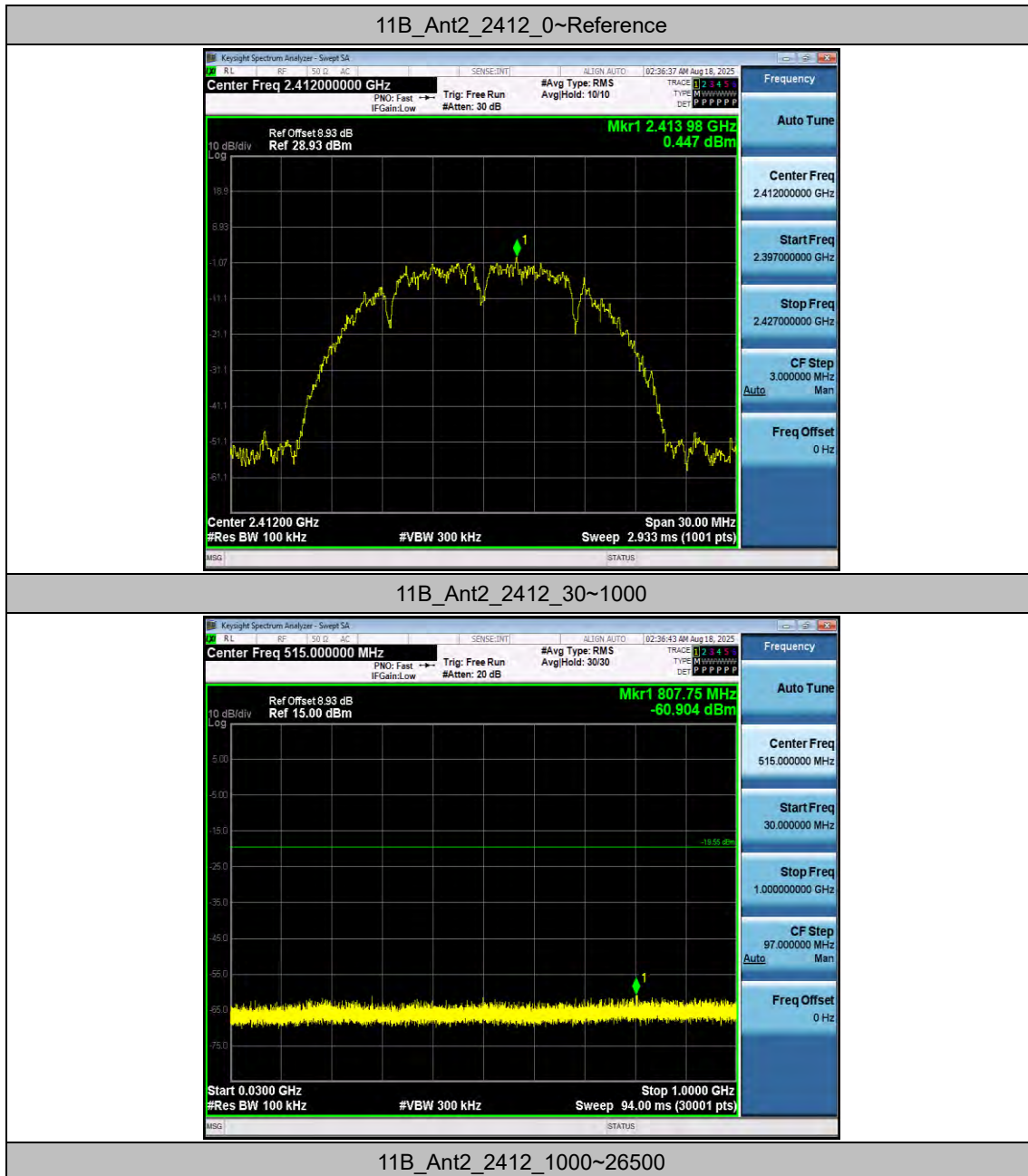
Test Result

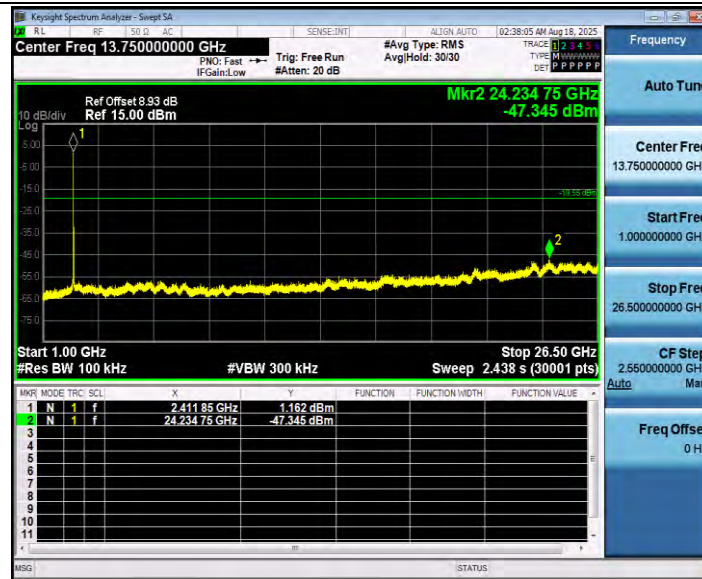
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	0.45	0.45	---	PASS
			30~1000	0.45	-60.9	≤ -19.55	PASS
			1000~26500	0.45	-47.35	≤ -19.55	PASS
		2437	Reference	1.91	1.91	---	PASS
			30~1000	1.91	-60.23	≤ -18.09	PASS
			1000~26500	1.91	-47.28	≤ -18.09	PASS
		2462	Reference	0.37	0.37	---	PASS
			30~1000	0.37	-60.36	≤ -19.63	PASS
			1000~26500	0.37	-47.77	≤ -19.63	PASS
11G	Ant2	2412	Reference	-1.43	-1.43	---	PASS
			30~1000	-1.43	-60.62	≤ -21.43	PASS
			1000~26500	-1.43	-47.53	≤ -21.43	PASS
		2437	Reference	-4.13	-4.13	---	PASS
			30~1000	-4.13	-60.98	≤ -24.13	PASS
			1000~26500	-4.13	-46.97	≤ -24.13	PASS
		2462	Reference	-4.38	-4.38	---	PASS
			30~1000	-4.38	-60.56	≤ -24.38	PASS
			1000~26500	-4.38	-47.71	≤ -24.38	PASS
11N20SISO	Ant2	2412	Reference	-1.52	-1.52	---	PASS
			30~1000	-1.52	-60.77	≤ -21.52	PASS
			1000~26500	-1.52	-47.59	≤ -21.52	PASS
		2437	Reference	-3.49	-3.49	---	PASS
			30~1000	-3.49	-60.82	≤ -23.49	PASS
			1000~26500	-3.49	-47.65	≤ -23.49	PASS
		2462	Reference	-3.15	-3.15	---	PASS
			30~1000	-3.15	-59.43	≤ -23.15	PASS
			1000~26500	-3.15	-47.66	≤ -23.15	PASS
11N40SISO	Ant2	2422	Reference	-3.31	-3.31	---	PASS
			30~1000	-3.31	-60.91	≤ -23.31	PASS
			1000~26500	-3.31	-47.47	≤ -23.31	PASS
		2437	Reference	-3.61	-3.61	---	PASS
			30~1000	-3.61	-59.5	≤ -23.61	PASS
			1000~26500	-3.61	-47.81	≤ -23.61	PASS
		2452	Reference	-4.00	-4.00	---	PASS
			30~1000	-4.00	-60.82	≤ -24	PASS
			1000~26500	-4.00	-46.16	≤ -24	PASS

11AX20SISO	Ant2	2412	Reference	-1.02	-1.02	---	PASS
			30~1000	-1.02	-60.4	≤ -21.02	PASS
			1000~26500	-1.02	-47.49	≤ -21.02	PASS
		2437	Reference	-1.58	-1.58	---	PASS
			30~1000	-1.58	-59.94	≤ -21.58	PASS
			1000~26500	-1.58	-47.82	≤ -21.58	PASS
		2462	Reference	-2.97	-2.97	---	PASS
			30~1000	-2.97	-60.2	≤ -22.97	PASS
			1000~26500	-2.97	-47.52	≤ -22.97	PASS
11AX40SISO	Ant2	2422	Reference	-4.17	-4.17	---	PASS
			30~1000	-4.17	-60.3	≤ -24.17	PASS
			1000~26500	-4.17	-48.03	≤ -24.17	PASS
		2437	Reference	-4.24	-4.24	---	PASS
			30~1000	-4.24	-60.39	≤ -24.24	PASS
			1000~26500	-4.24	-47.4	≤ -24.24	PASS
		2452	Reference	-4.40	-4.40	---	PASS
			30~1000	-4.40	-60.34	≤ -24.4	PASS
			1000~26500	-4.40	-47.57	≤ -24.4	PASS

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11N20SISO	MIMO	2412	Reference	-9.16	-9.16	---	PASS
			30~1000	-9.16	-60.99	≤-29.16	PASS
			1000~26500	-9.16	-44.04	≤-29.16	PASS
		2437	Reference	-3.66	-3.66	---	PASS
			30~1000	-3.66	-60.47	≤-23.66	PASS
			1000~26500	-3.66	-47.69	≤-23.66	PASS
		2462	Reference	-6.63	-6.63	---	PASS
			30~1000	-6.63	-60.82	≤-26.63	PASS
			1000~26500	-6.63	-47.44	≤-26.63	PASS
11N40SISO	MIMO	2422	Reference	-7.48	-7.48	---	PASS
			30~1000	-7.48	-60.81	≤-27.48	PASS
			1000~26500	-7.48	-43.68	≤-27.48	PASS
		2437	Reference	-8.12	-8.12	---	PASS
			30~1000	-8.12	-60.68	≤-28.12	PASS
			1000~26500	-8.12	-38	≤-28.12	PASS
		2452	Reference	-6.27	-6.27	---	PASS
			30~1000	-6.27	-61.06	≤-26.27	PASS
			1000~26500	-6.27	-47.35	≤-26.27	PASS
11AX20SISO	MIMO	2412	Reference	-7.95	-7.95	---	PASS
			30~1000	-7.95	-60.94	≤-27.95	PASS
			1000~26500	-7.95	-47.83	≤-27.95	PASS
		2437	Reference	-7.02	-7.02	---	PASS
			30~1000	-7.02	-60.3	≤-27.02	PASS
			1000~26500	-7.02	-47.43	≤-27.02	PASS
		2462	Reference	-4.57	-4.57	---	PASS
			30~1000	-4.57	-60.15	≤-24.57	PASS
			1000~26500	-4.57	-46.98	≤-24.57	PASS
11AX40SISO	MIMO	2422	Reference	-7.07	-7.07	---	PASS
			30~1000	-7.07	-60.44	≤-27.07	PASS
			1000~26500	-7.07	-46.91	≤-27.07	PASS
		2437	Reference	-9.46	-9.46	---	PASS
			30~1000	-9.46	-60.31	≤-29.46	PASS
			1000~26500	-9.46	-46.98	≤-29.46	PASS
		2452	Reference	-8.51	-8.51	---	PASS
			30~1000	-8.51	-60.12	≤-28.51	PASS
			1000~26500	-8.51	-47.74	≤-28.51	PASS

Test Graphs

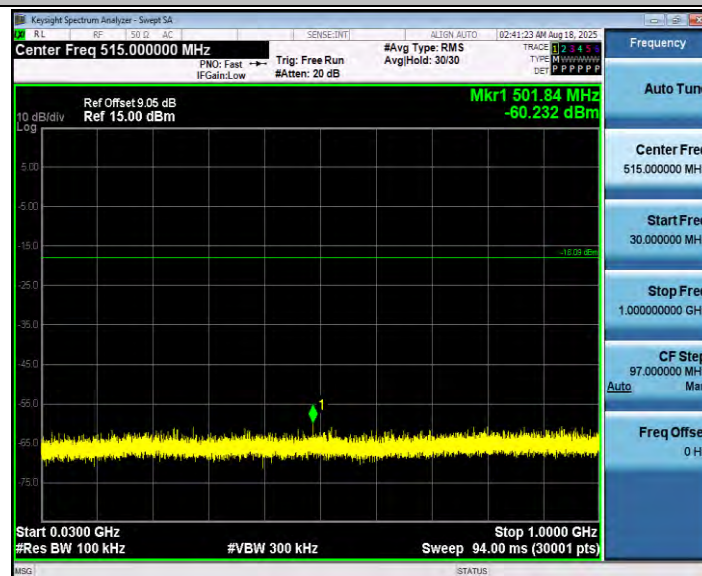




11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



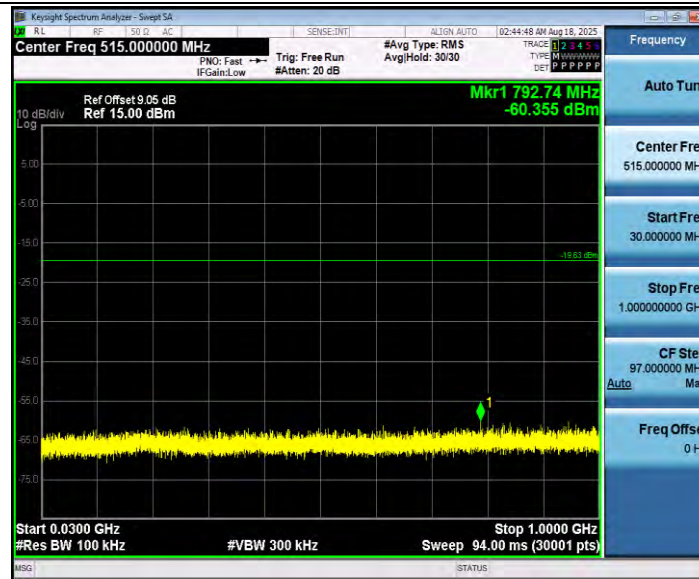
11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference



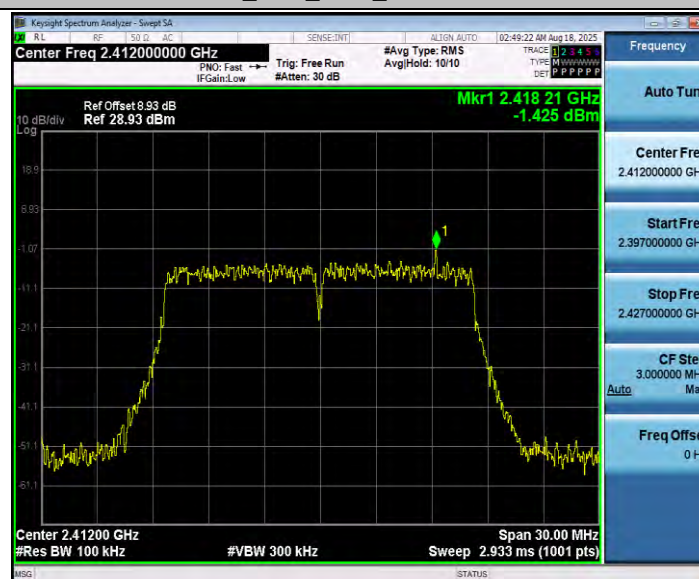
11B_Ant2_2462_30~1000

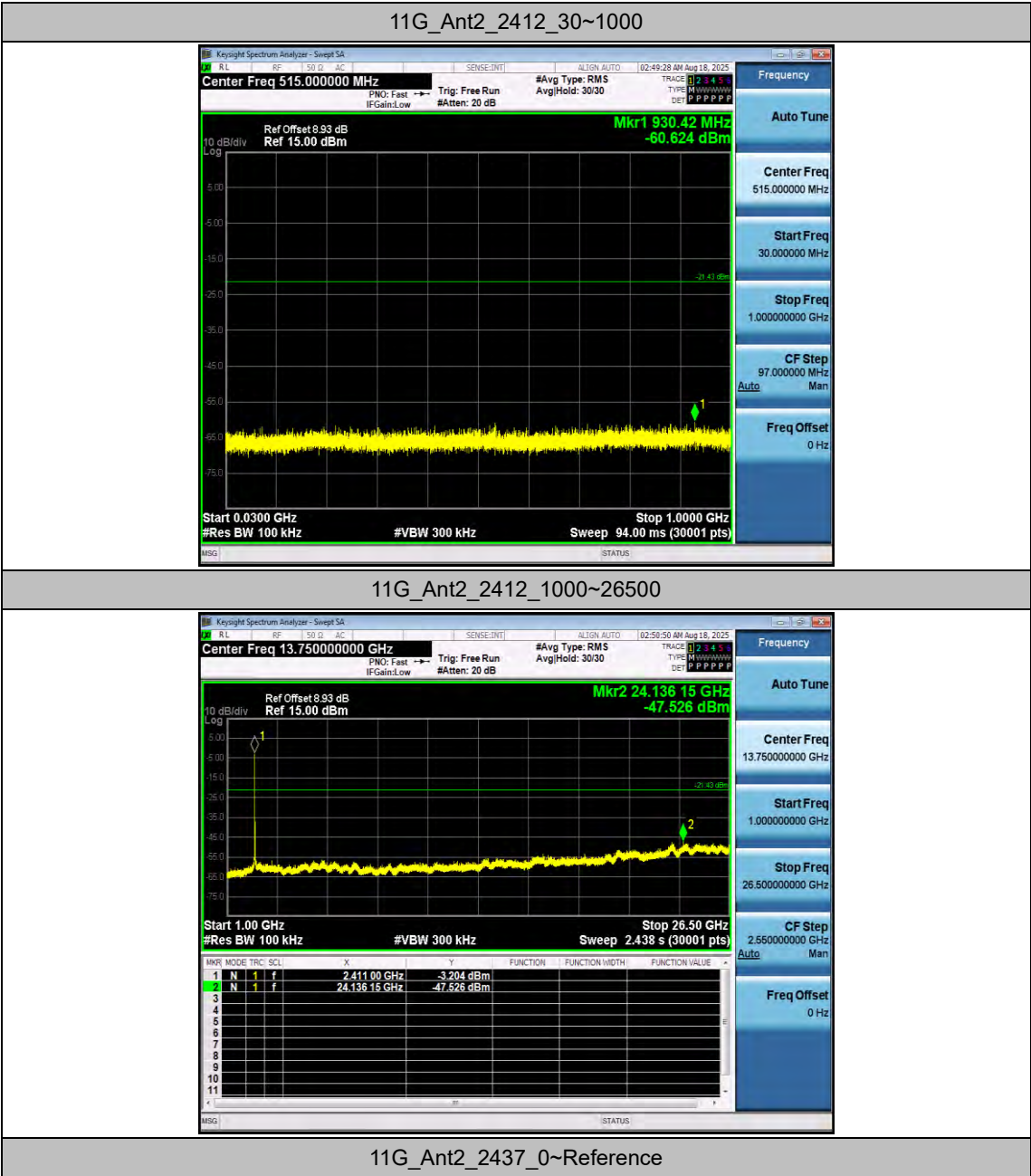


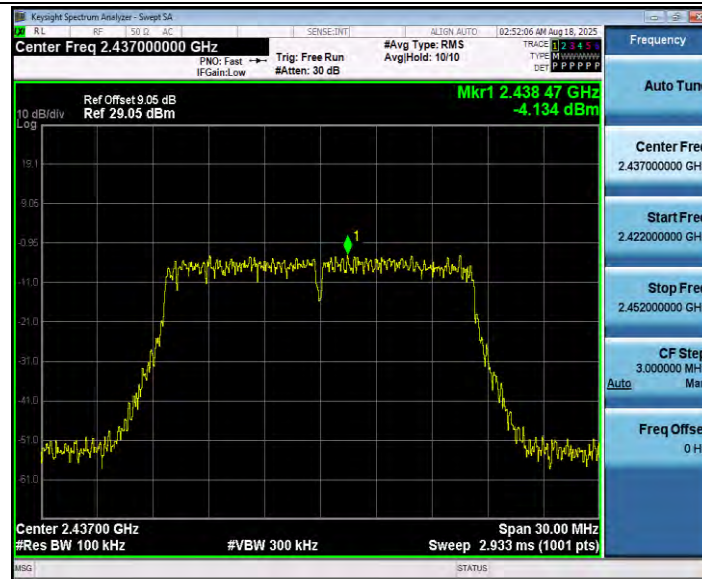
11B_Ant2_2462_1000~26500



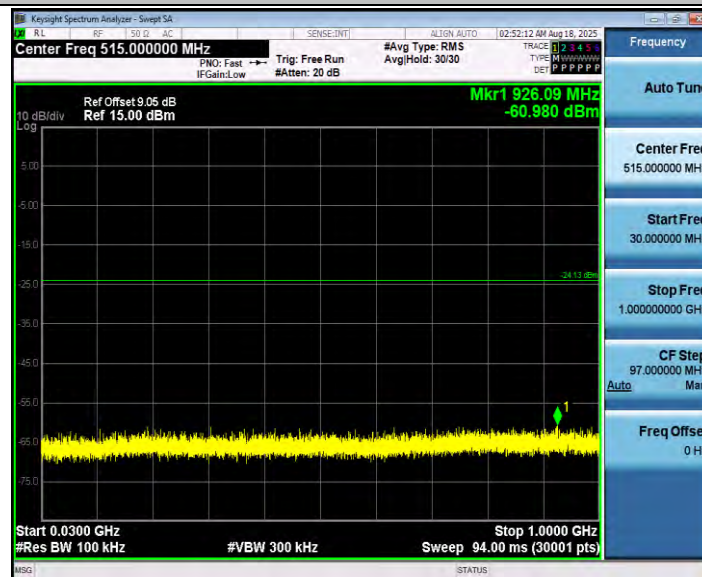
11G_Ant2_2412_0~Reference







11G_Ant2_2437_30~1000



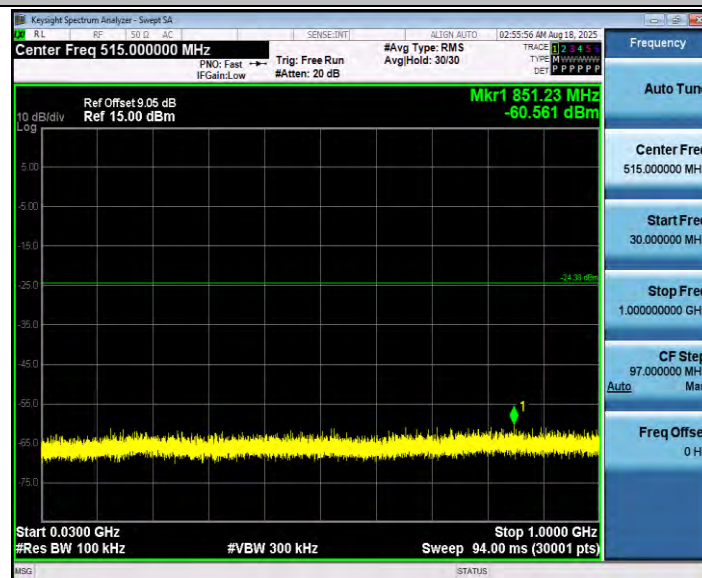
11G_Ant2_2437_1000~26500



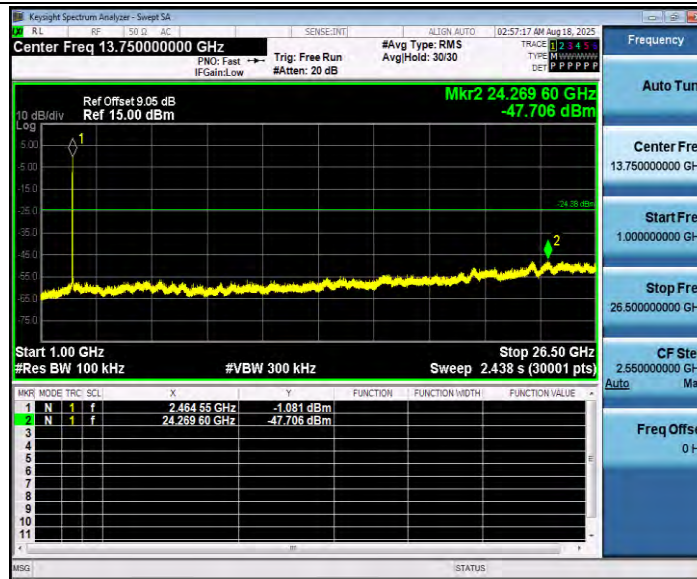
11G_Ant2_2462_0~Reference



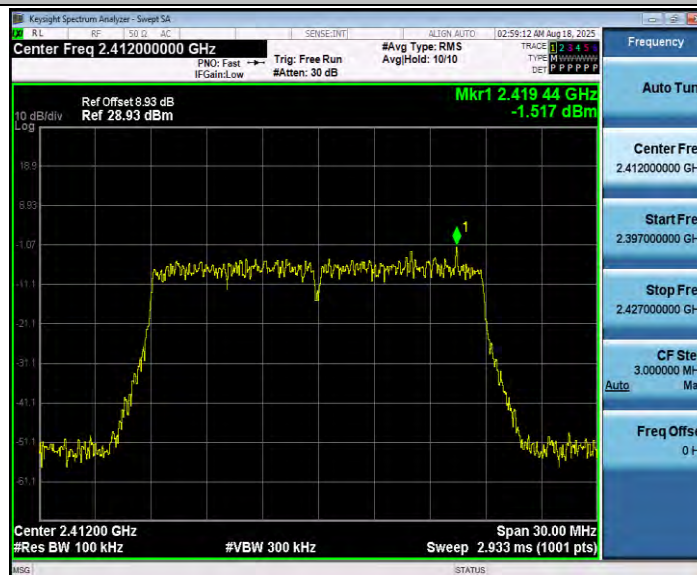
11G_Ant2_2462_30~1000



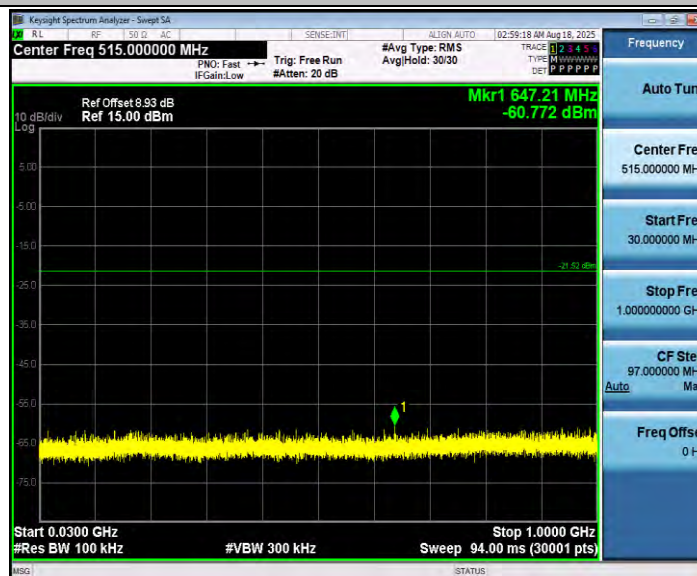
11G_Ant2_2462_1000~26500

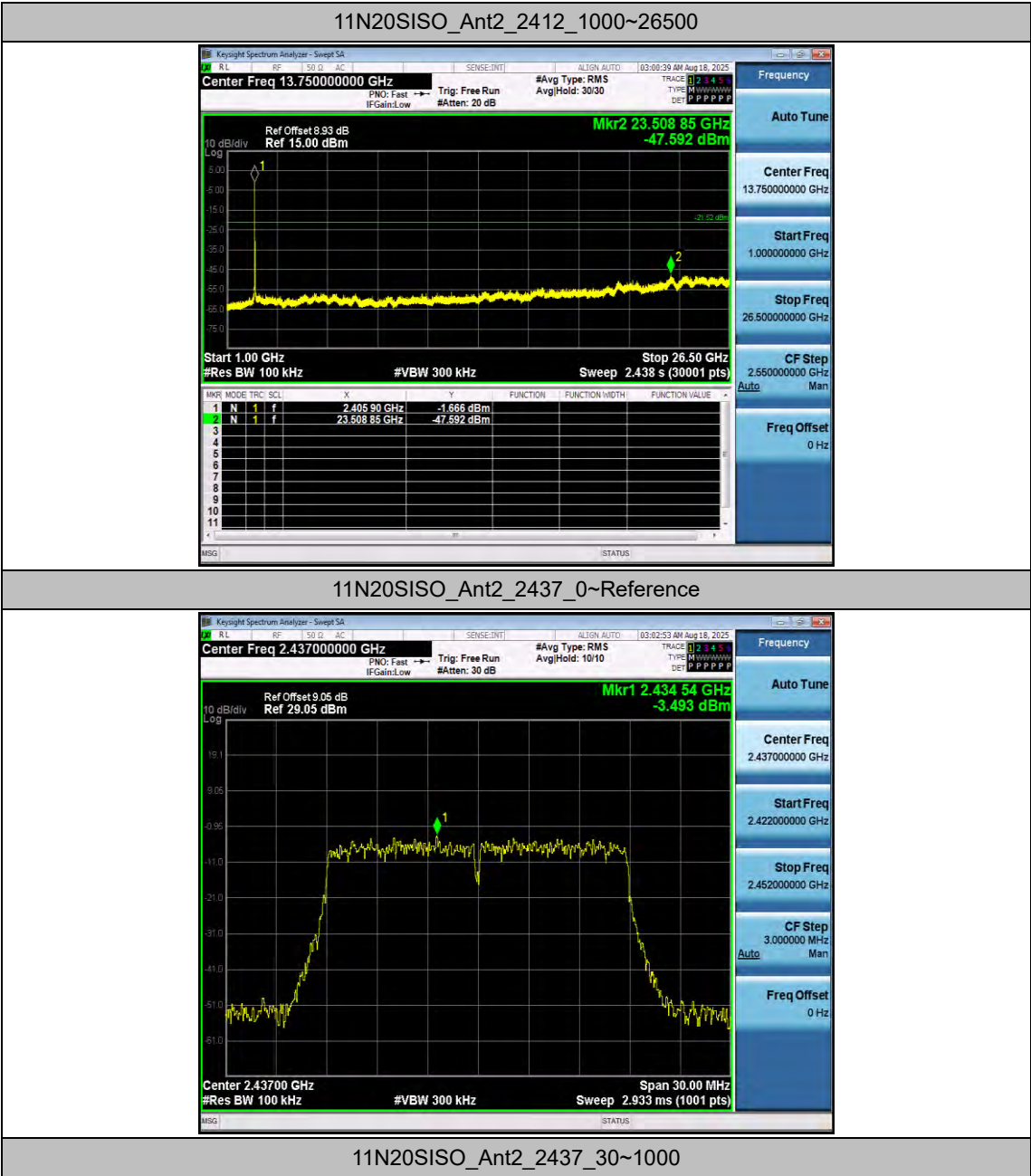


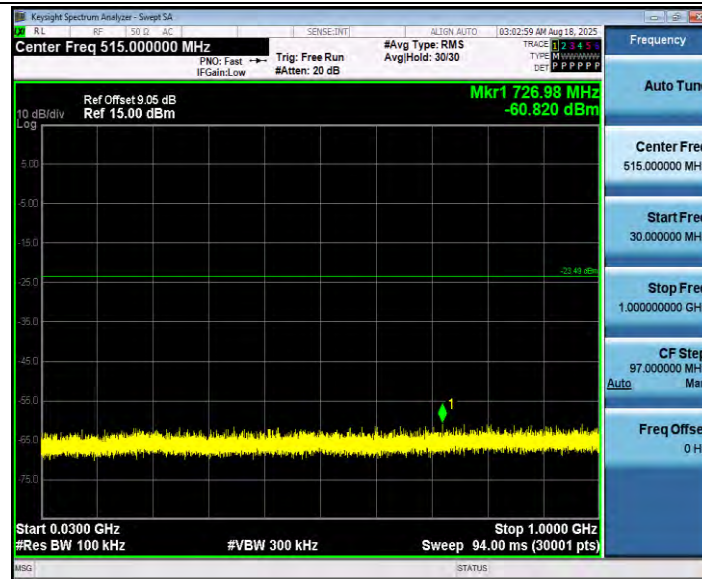
11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000





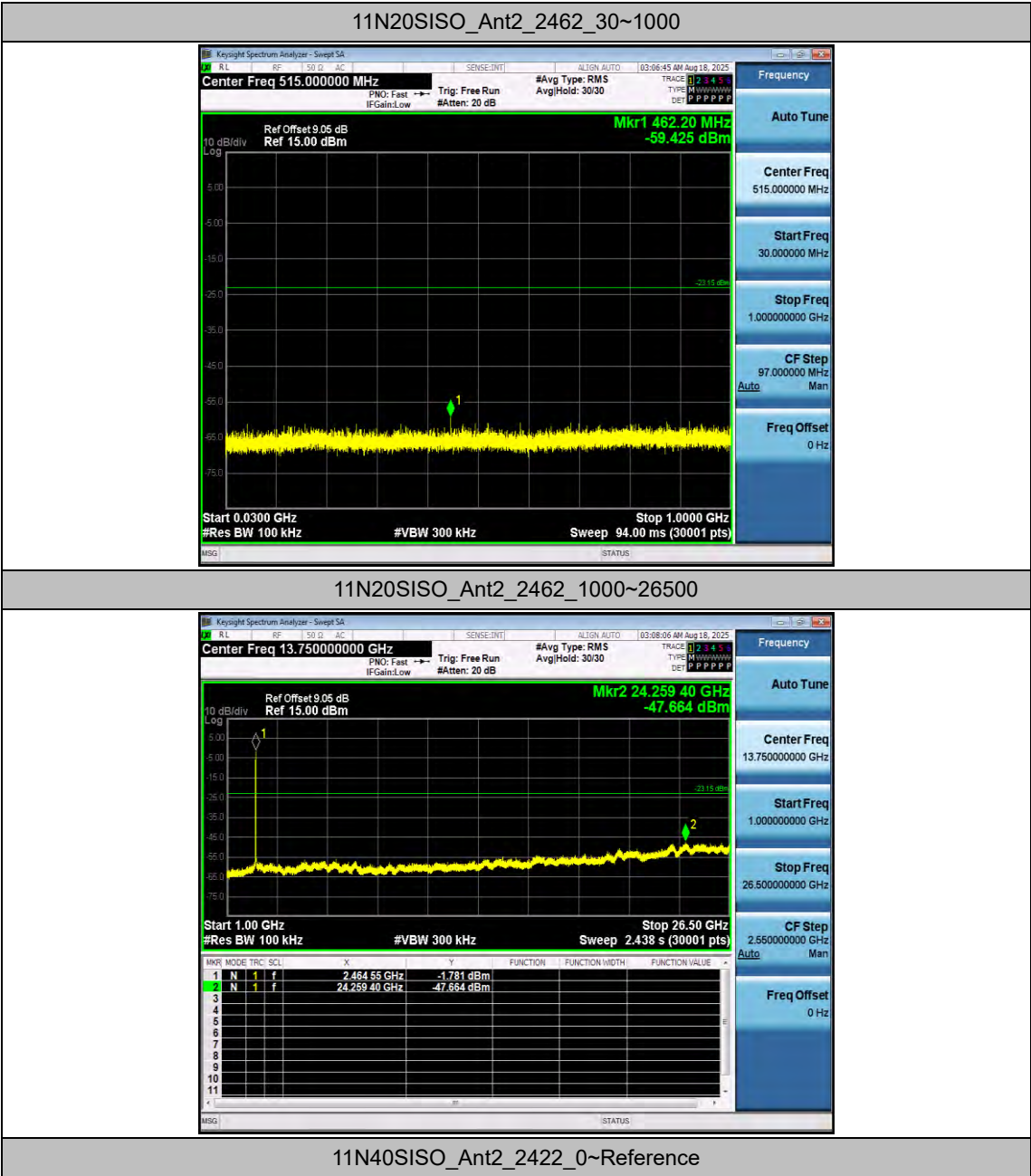


11N20SISO_Ant2_2437_1000~26500



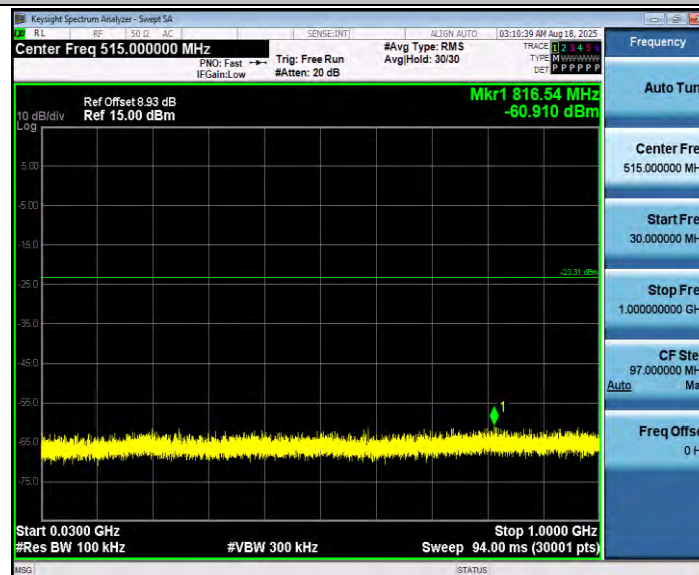
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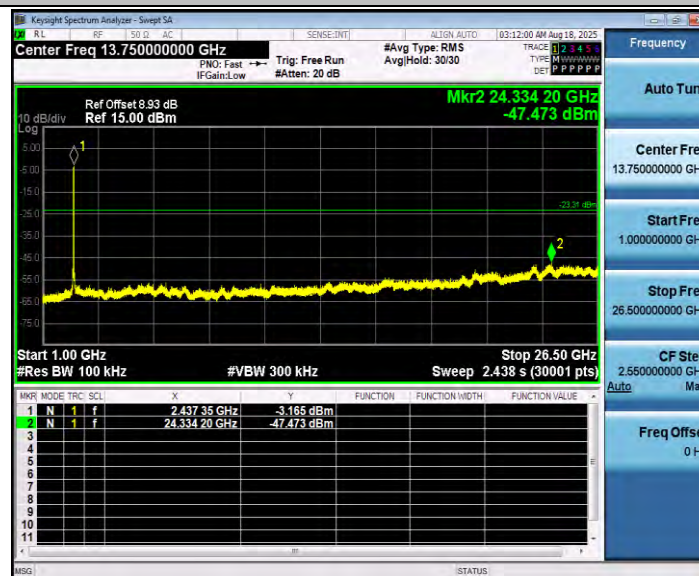




11N40SISO_Ant2_2422_30~1000



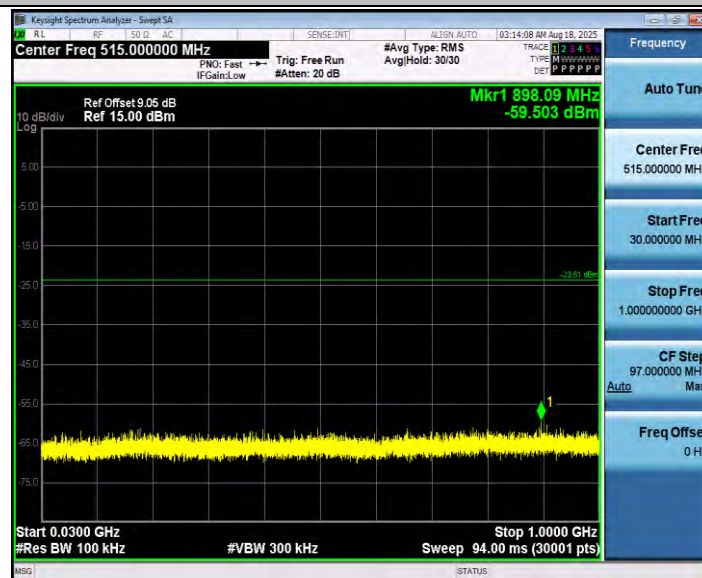
11N40SISO_Ant2_2422_1000~26500



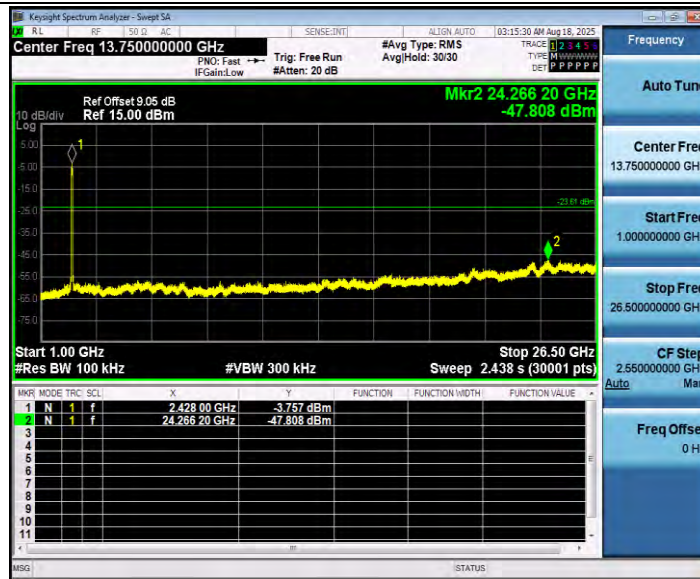
11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



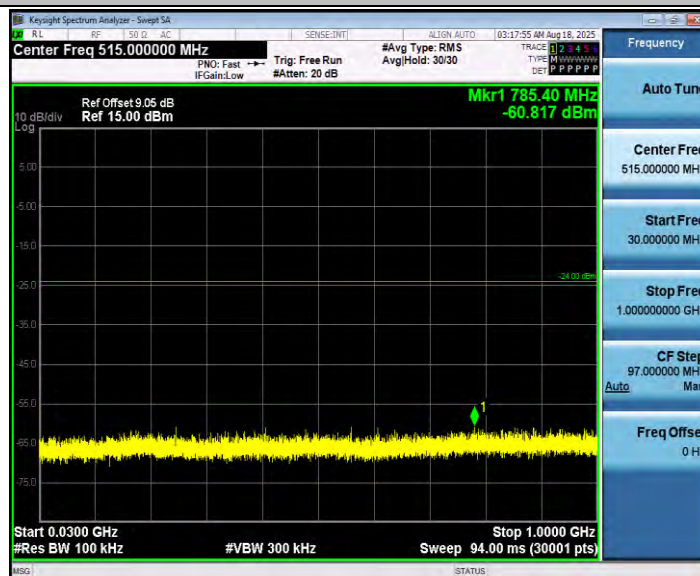
11N40SISO_Ant2_2437_1000~26500



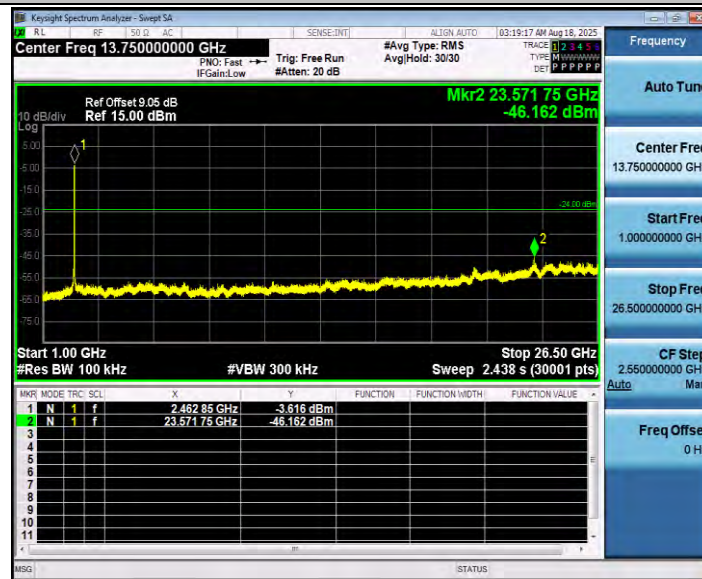
11N40SISO_Ant2_2452_0~Reference



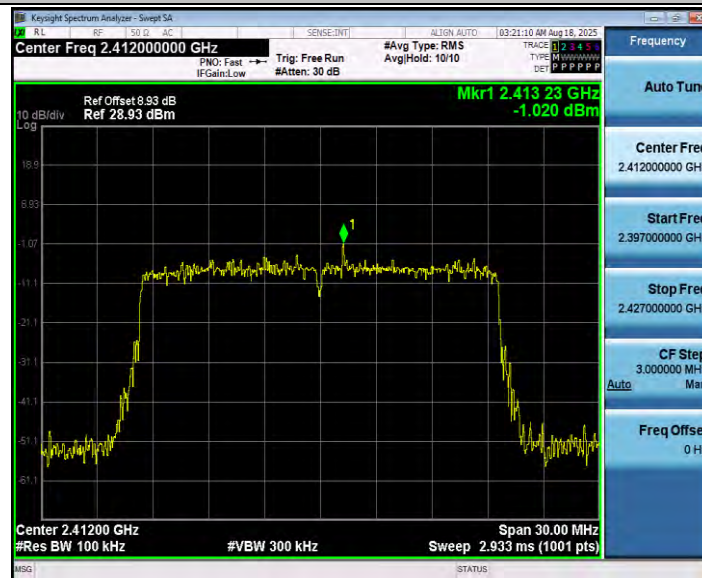
11N40SISO_Ant2_2452_30~1000



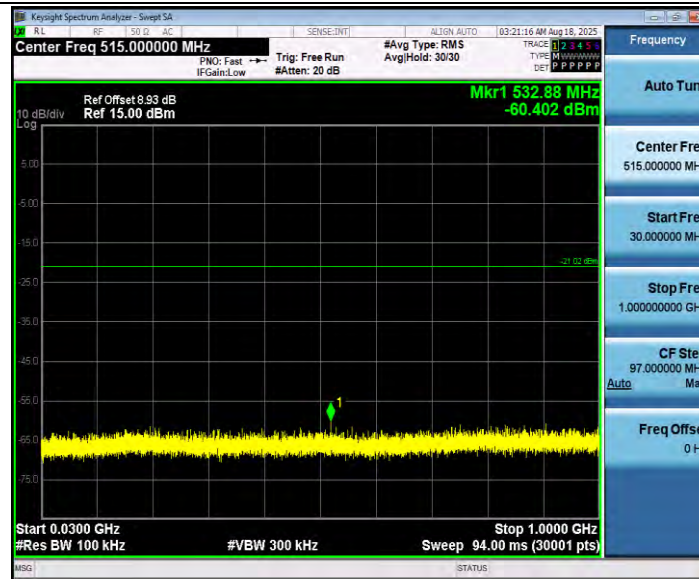
11N40SISO_Ant2_2452_1000~26500



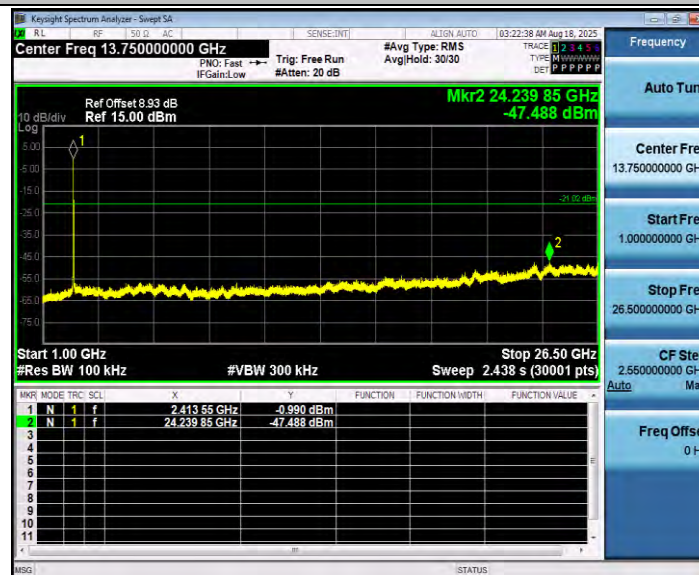
11AX20SISO_Ant2_2412_0~Reference



11AX20SISO_Ant2_2412_30~1000

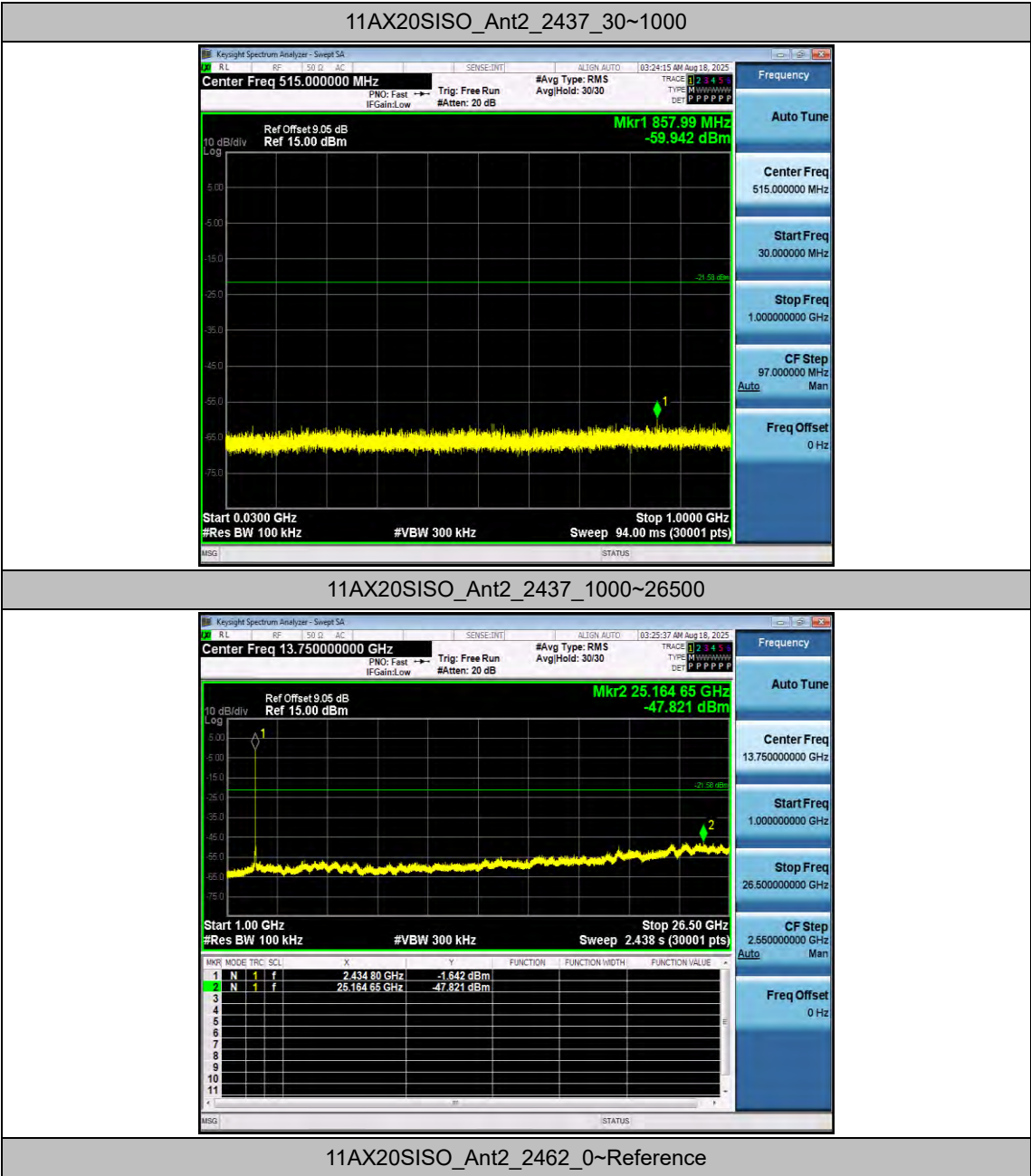


11AX20SISO_Ant2_2412_1000~26500



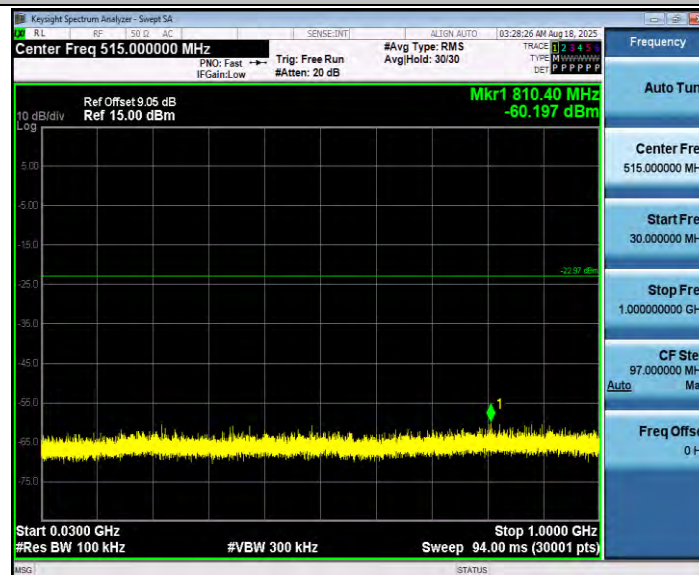
11AX20SISO_Ant2_2437_0~Reference







11AX20SISO_Ant2_2462_30~1000



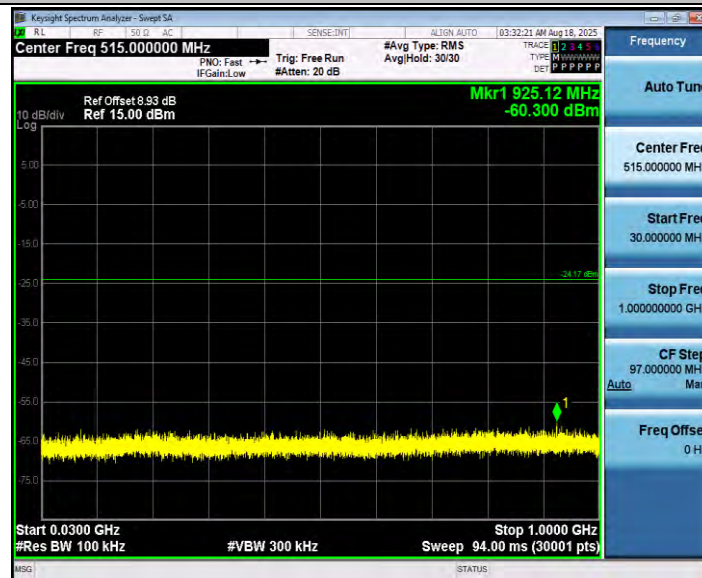
11AX20SISO_Ant2_2462_1000~26500



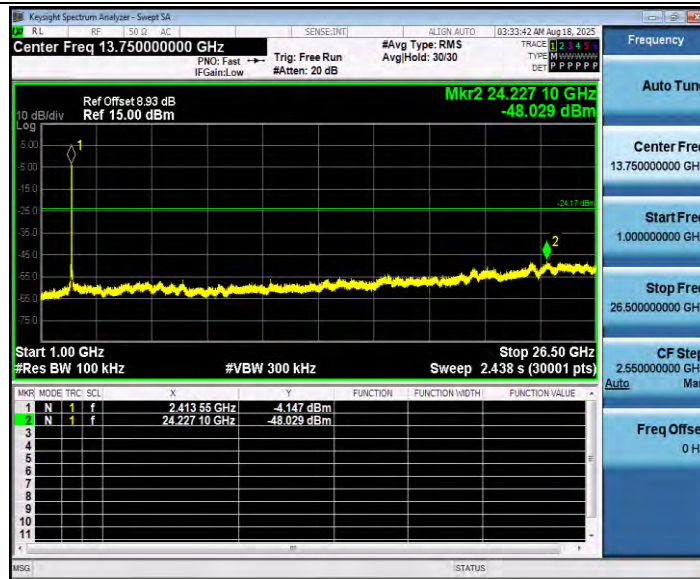
11AX40SISO_Ant2_2422_0~Reference



11AX40SISO_Ant2_2422_30~1000



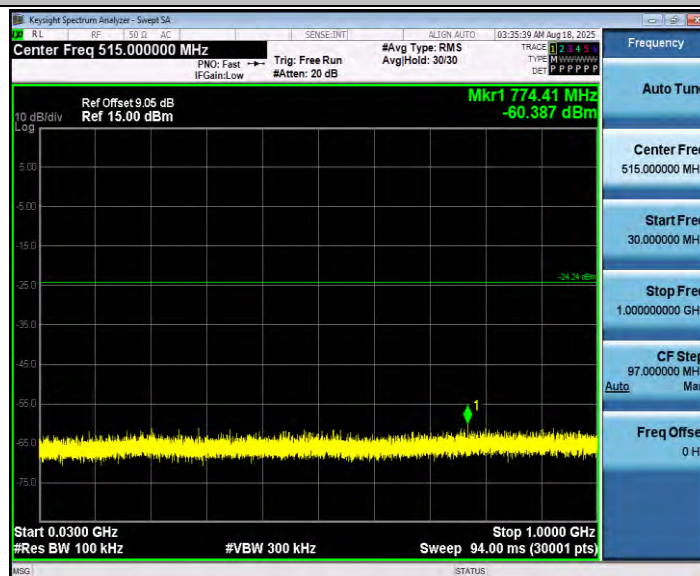
11AX40SISO_Ant2_2422_1000~26500



11AX40SISO_Ant2_2437_0~Reference



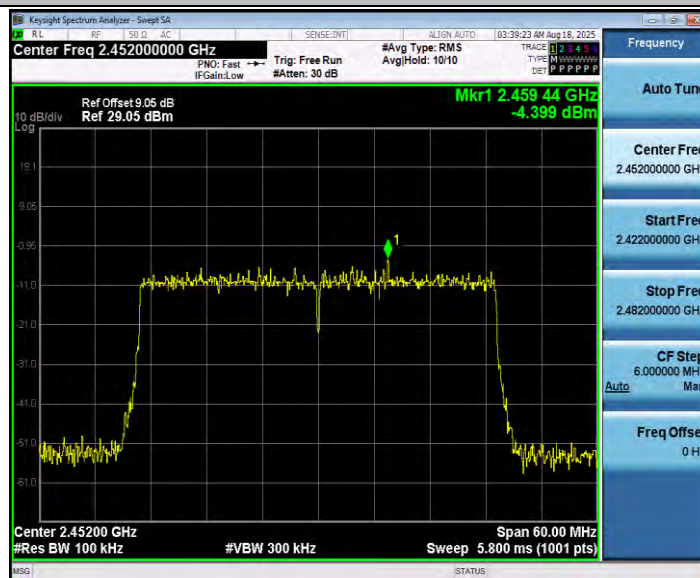
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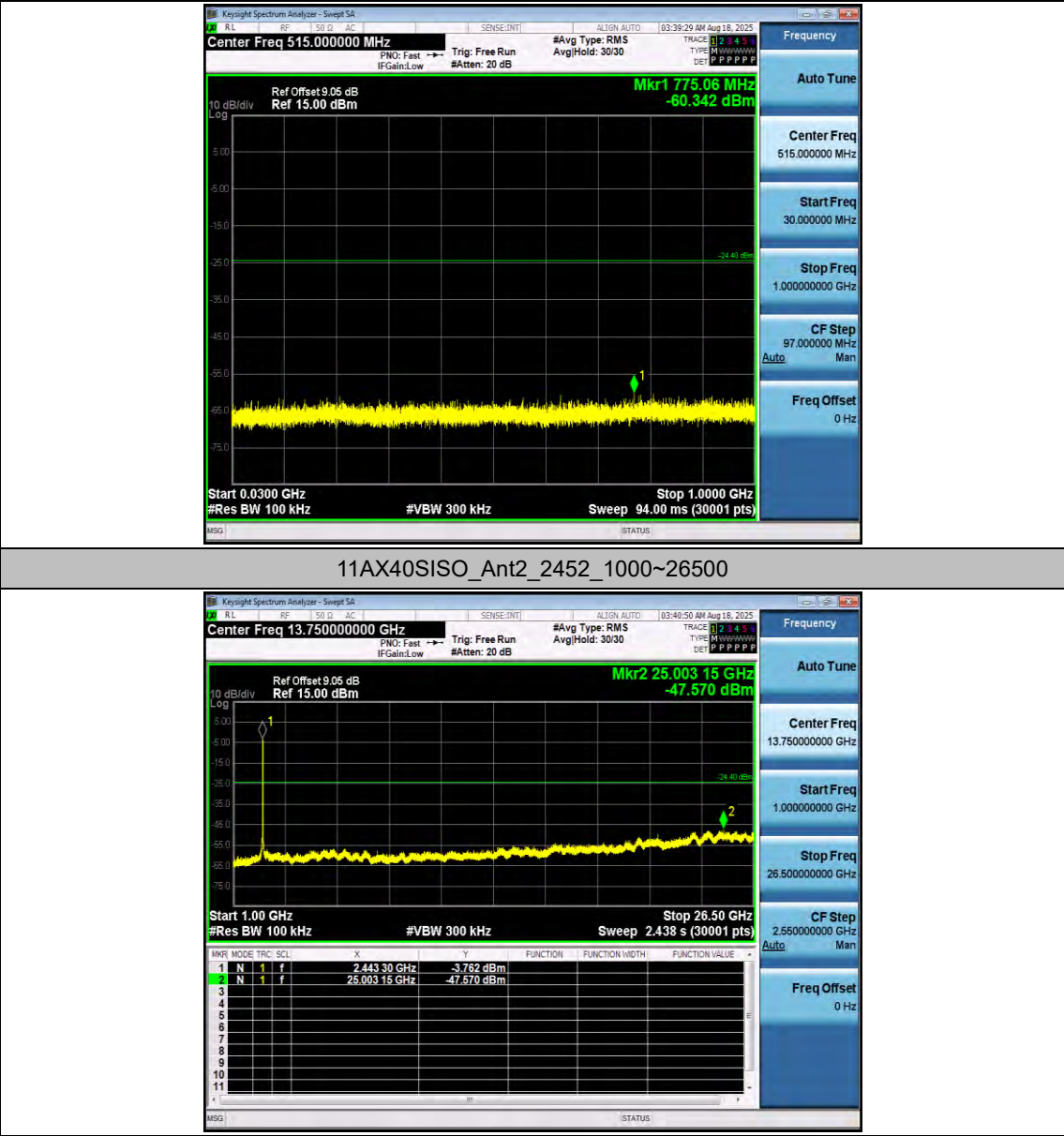
11AX40SISO_Ant2_2437_1000~26500



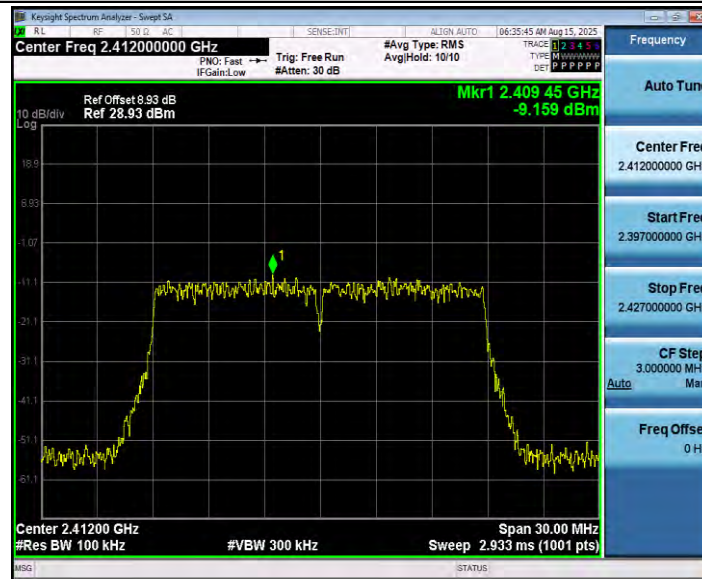
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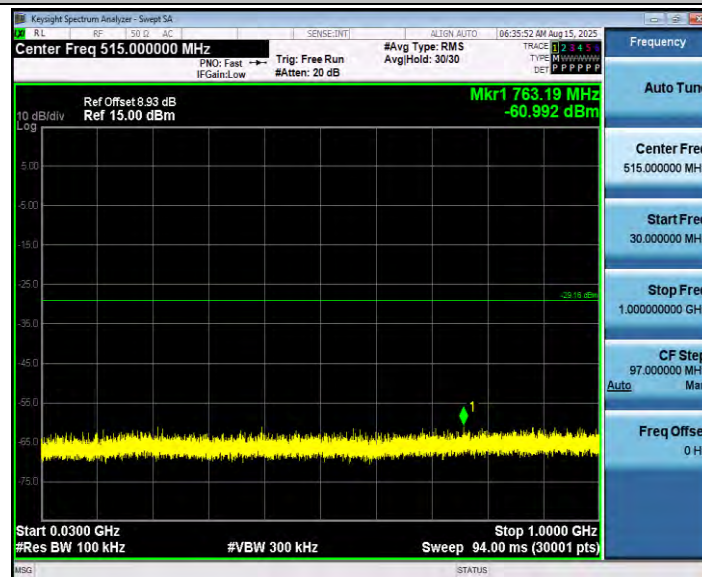
11AX40SISO_Ant2_2452_30~1000



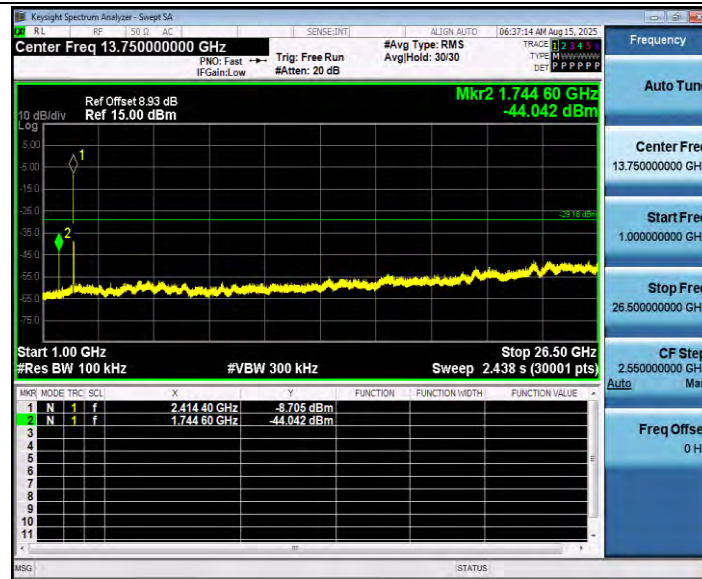
11N20SISO_MIMO_2412_0~Reference



11N20SISO_MIMO_2412_30~1000



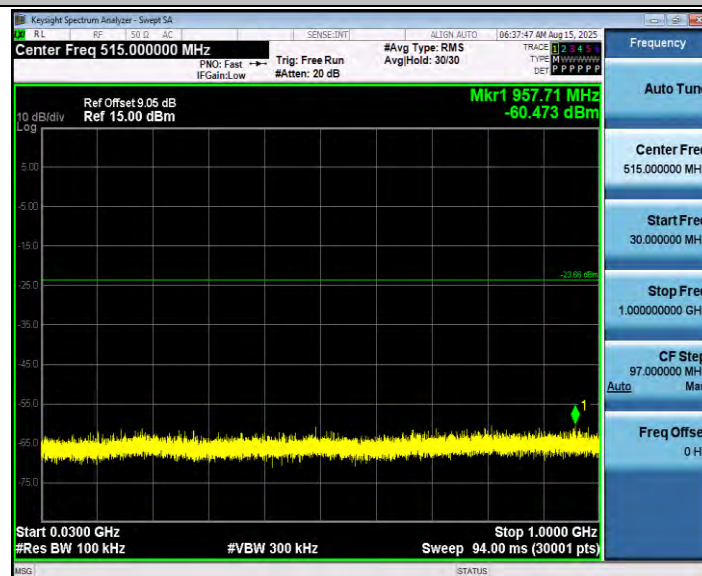
11N20SISO_MIMO_2412_1000~26500

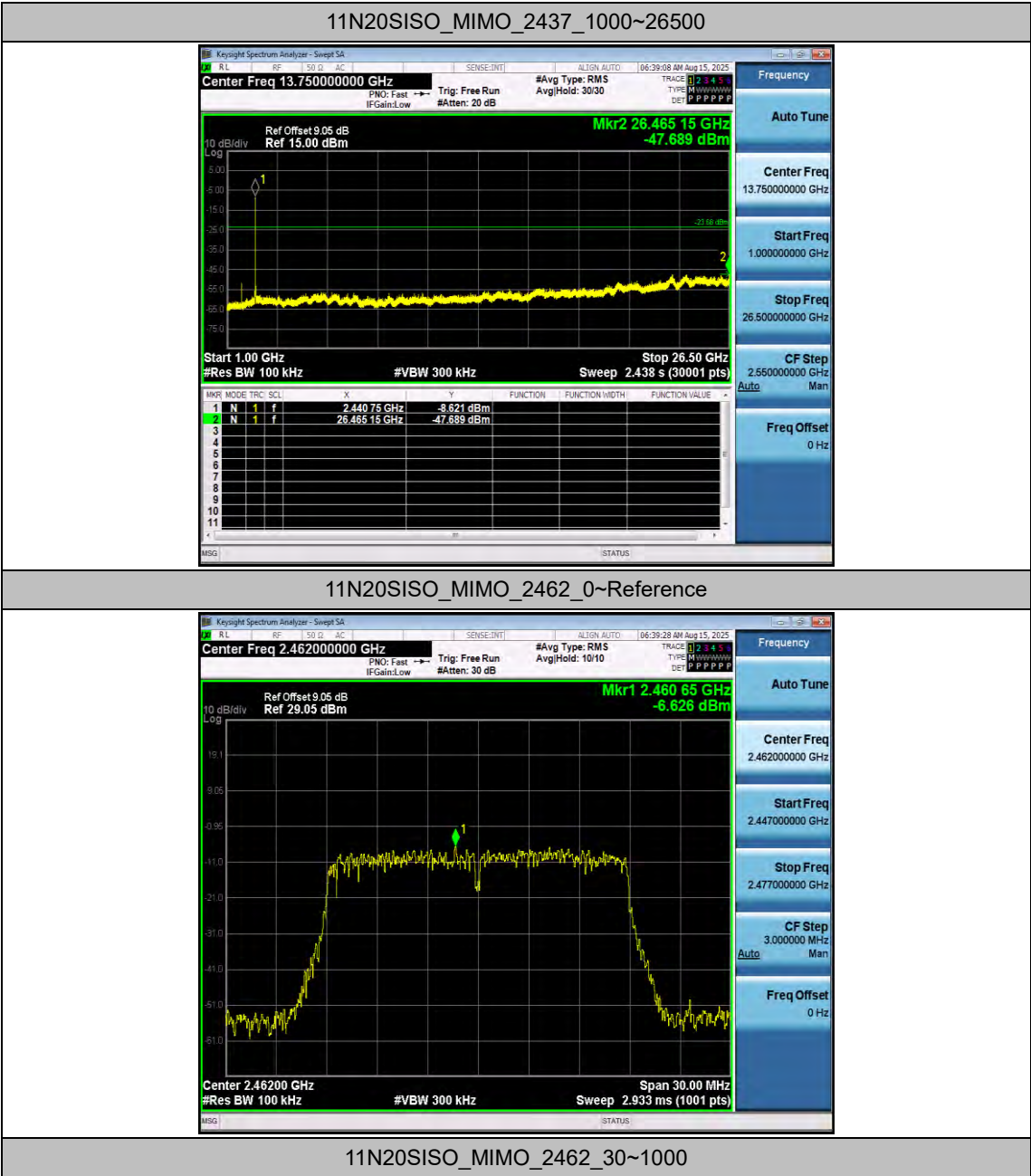


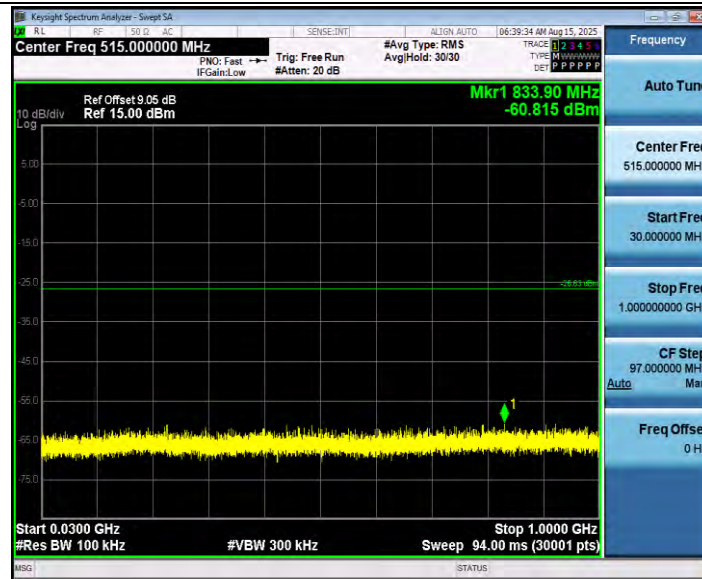
11N20SISO_MIMO_2437_0~Reference



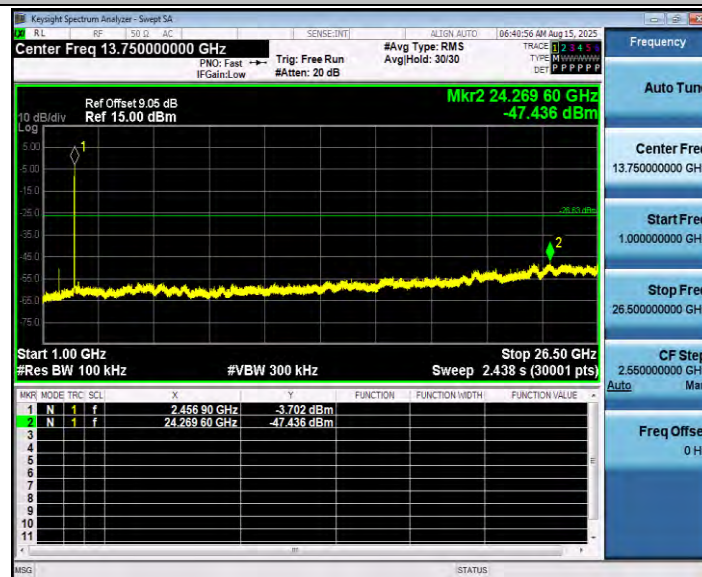
11N20SISO_MIMO_2437_30~1000





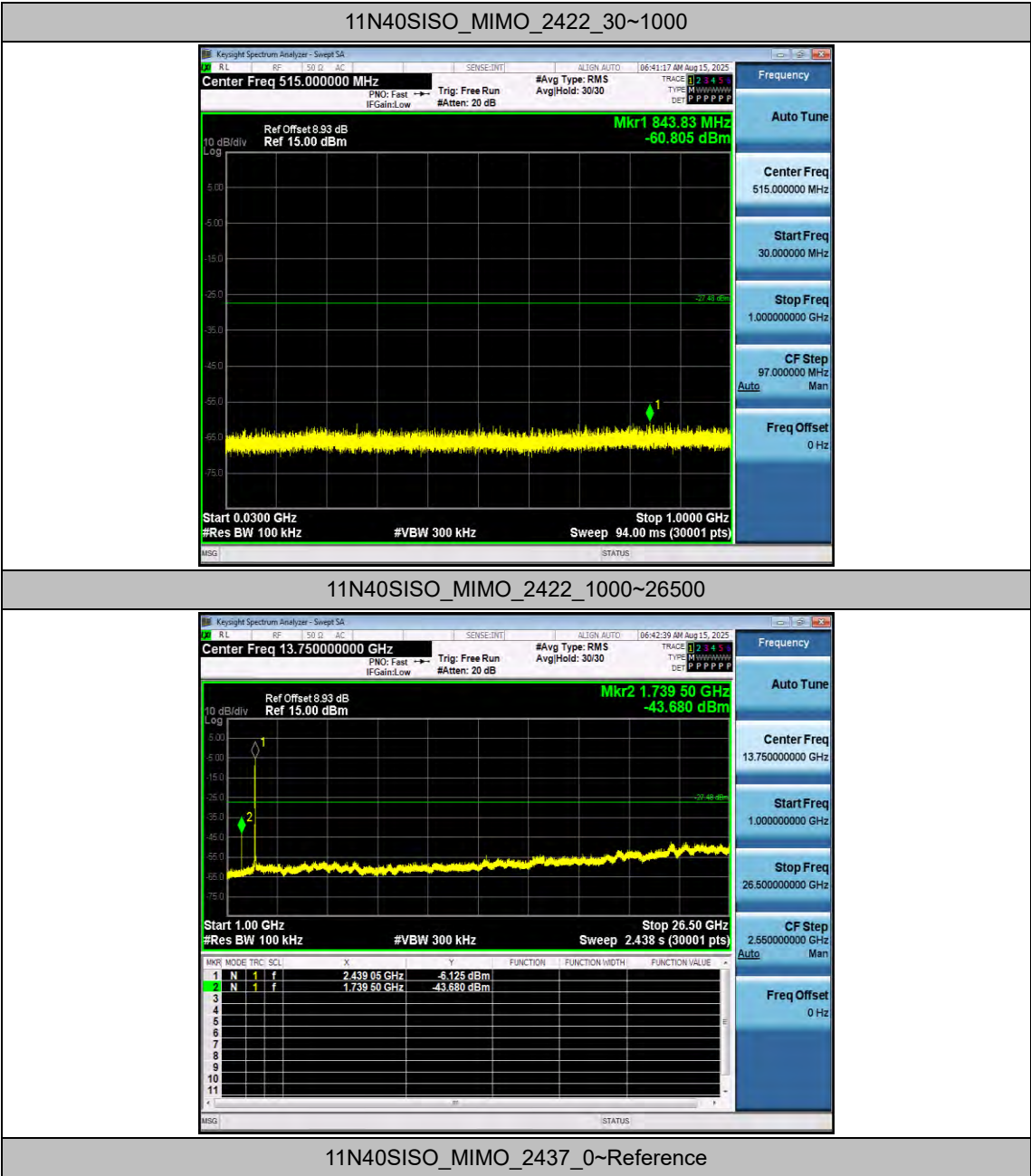


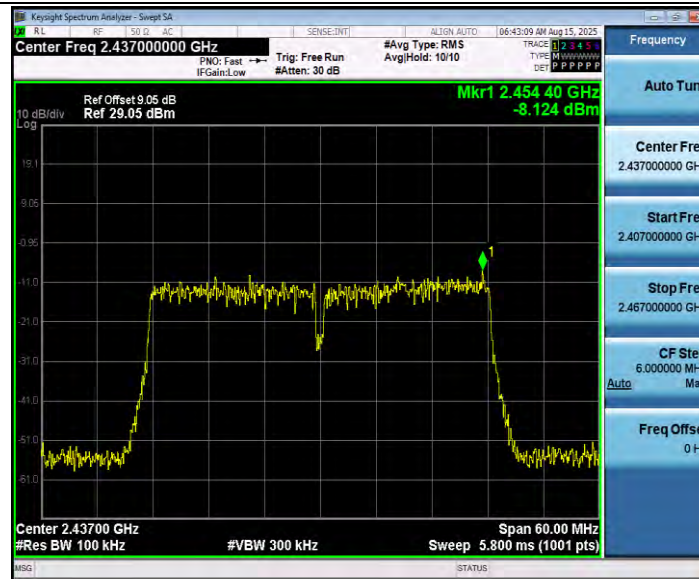
11N20SISO_MIMO_2462_1000~26500



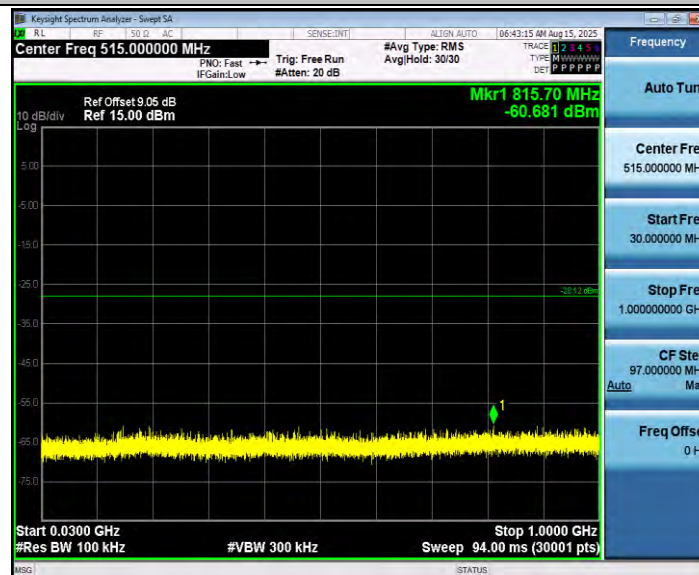
11N40SISO_MIMO_2422_0~Reference







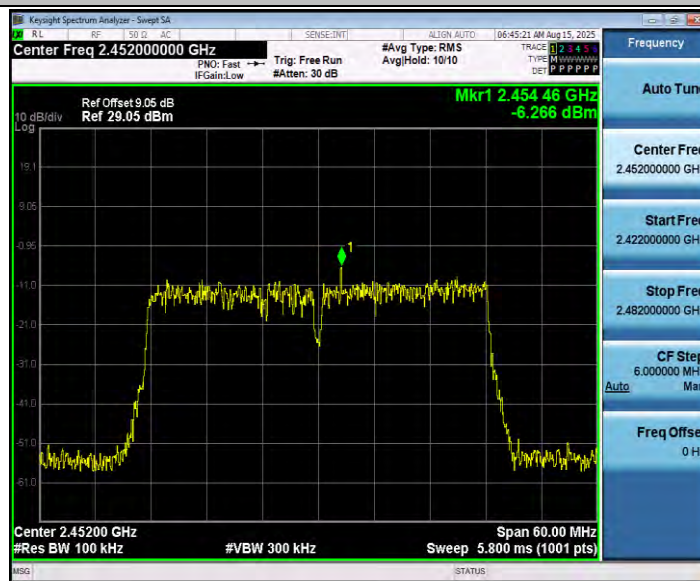
11N40SISO_MIMO_2437_30~1000



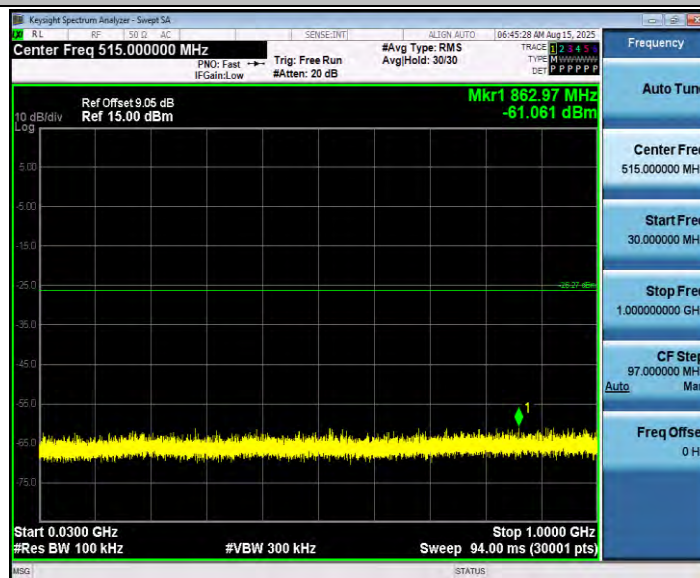
11N40SISO_MIMO_2437_1000~26500



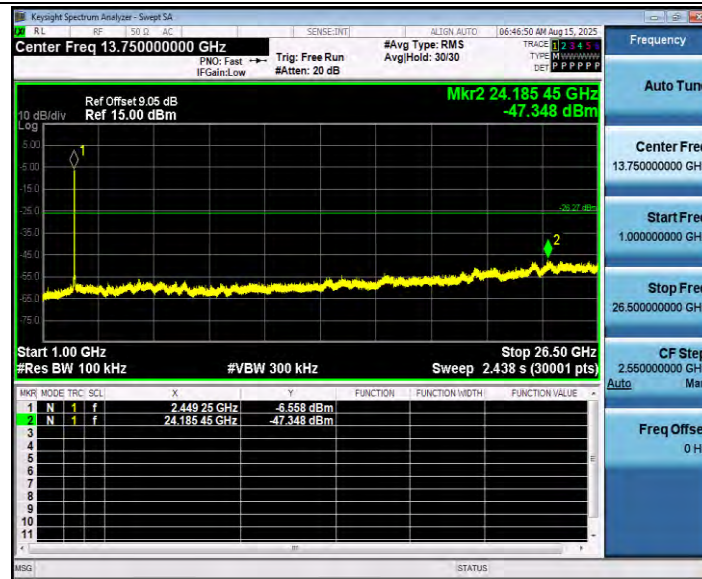
11N40SISO_MIMO_2452_0~Reference



11N40SISO_MIMO_2452_30~1000



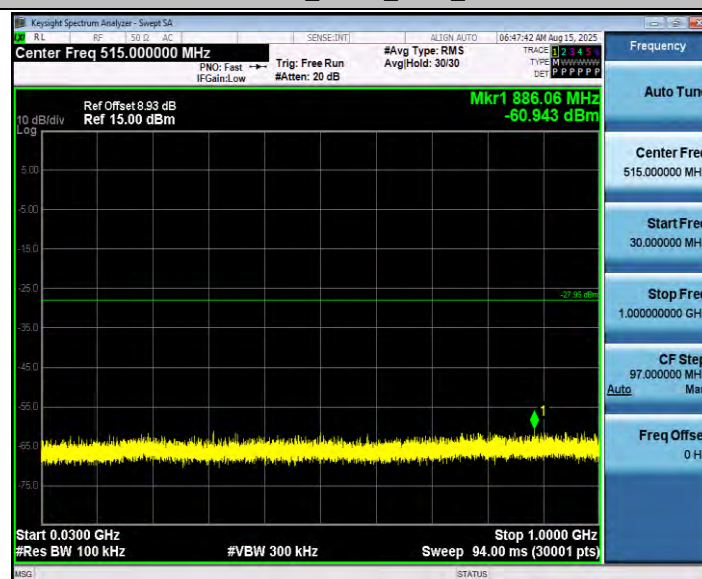
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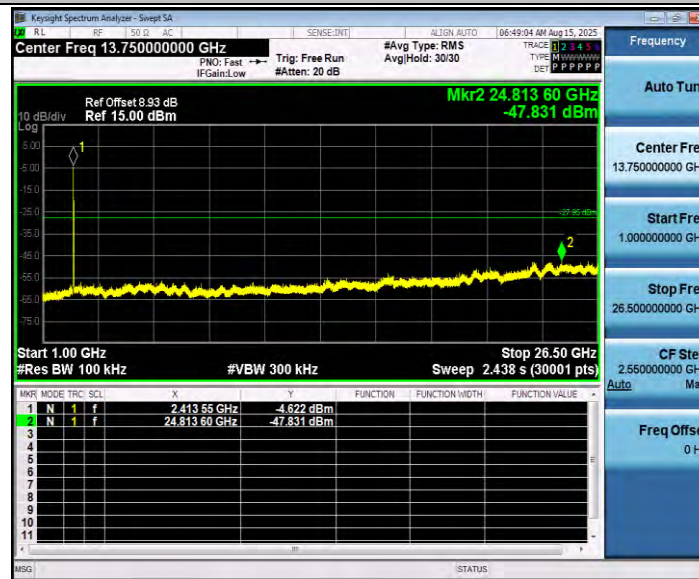
11AX20SISO_MIMO_2412_0~Reference



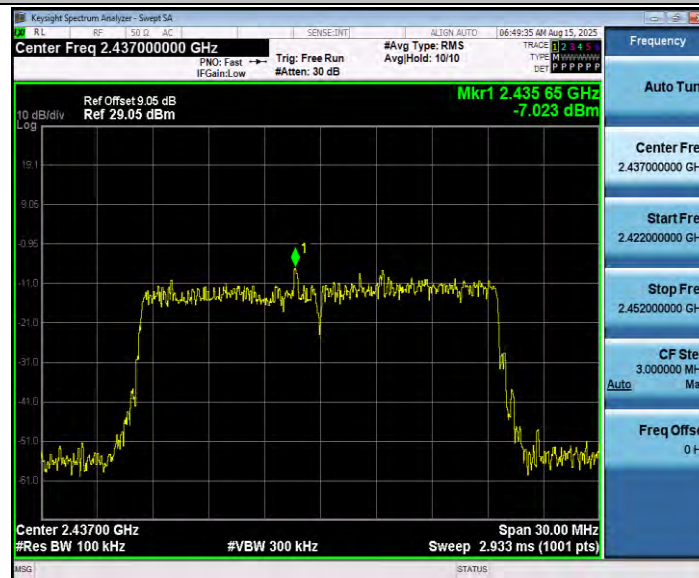
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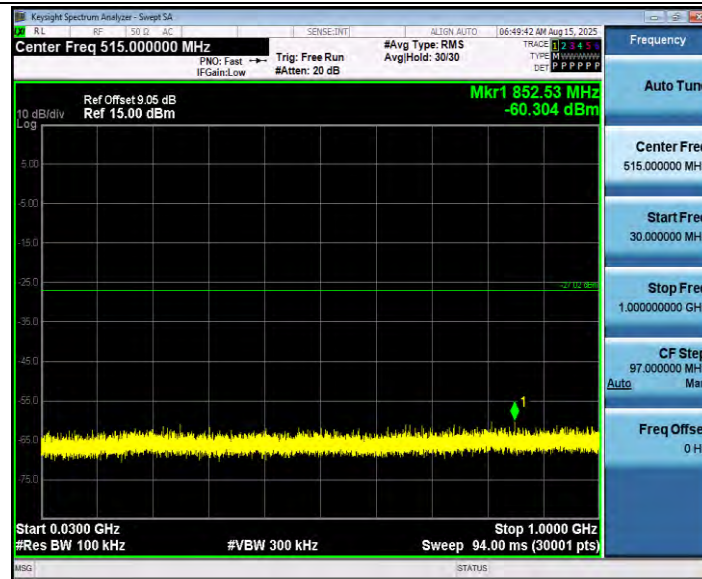
11AX20SISO_MIMO_2412_1000~26500



11AX20SISO_MIMO_2437_0~Reference



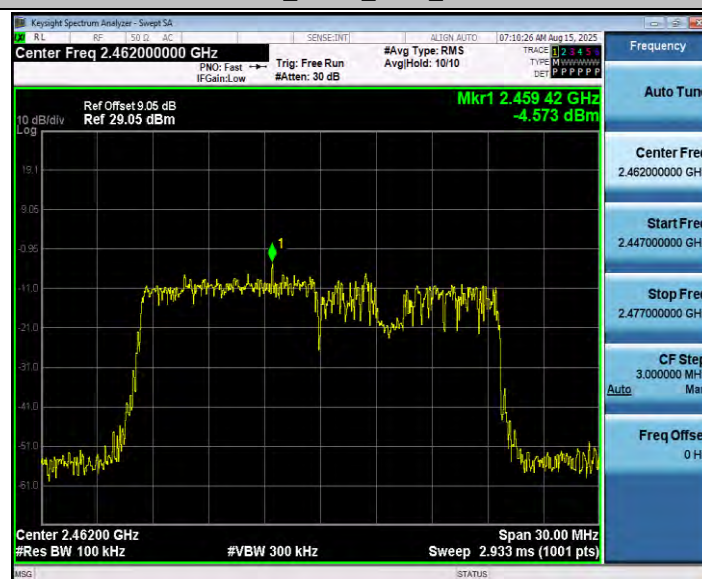
11AX20SISO_MIMO_2437_30~1000

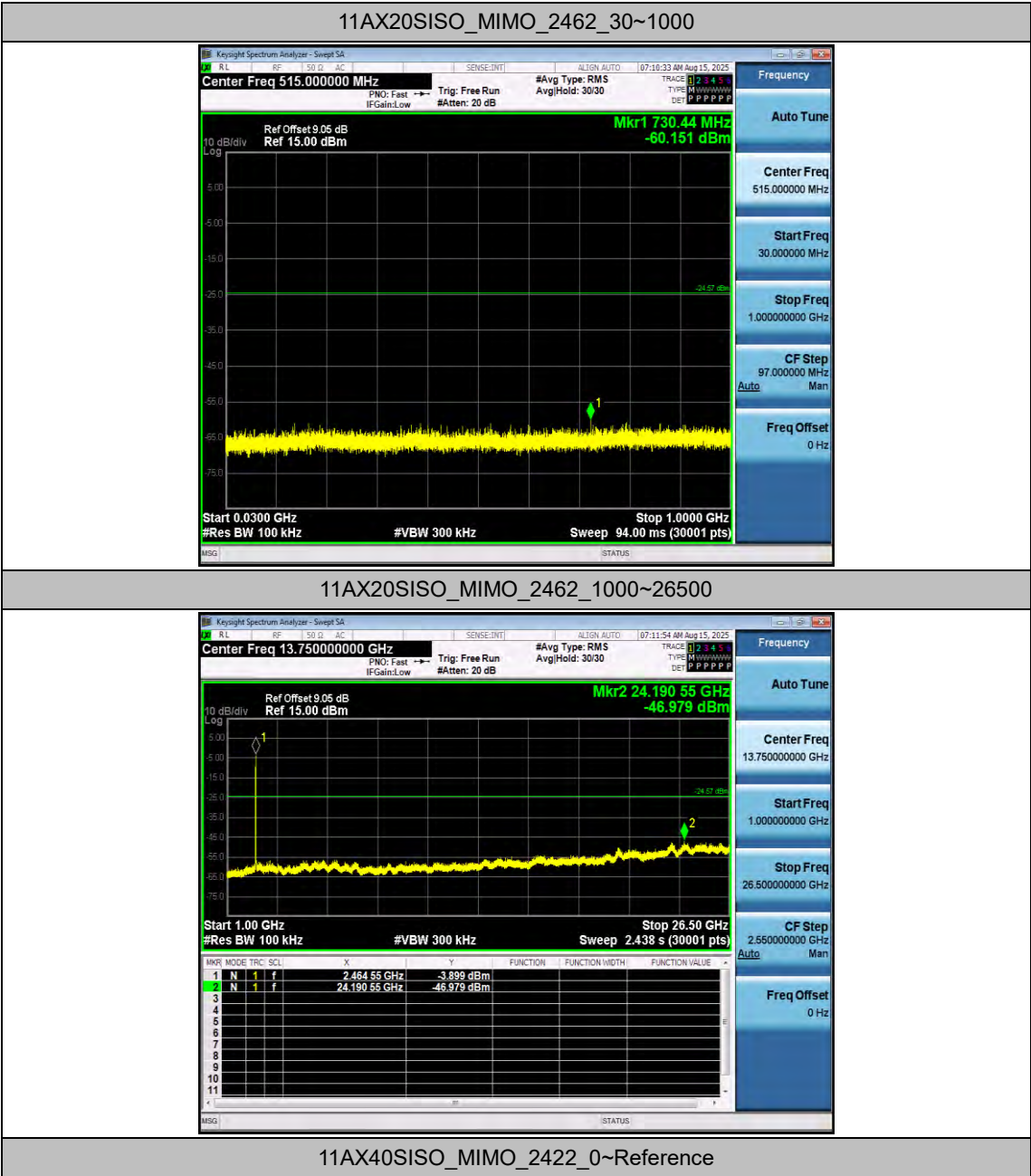


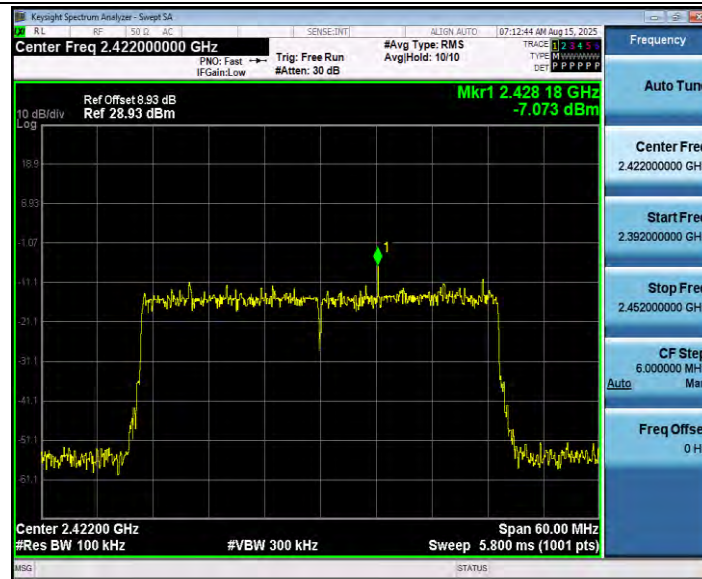
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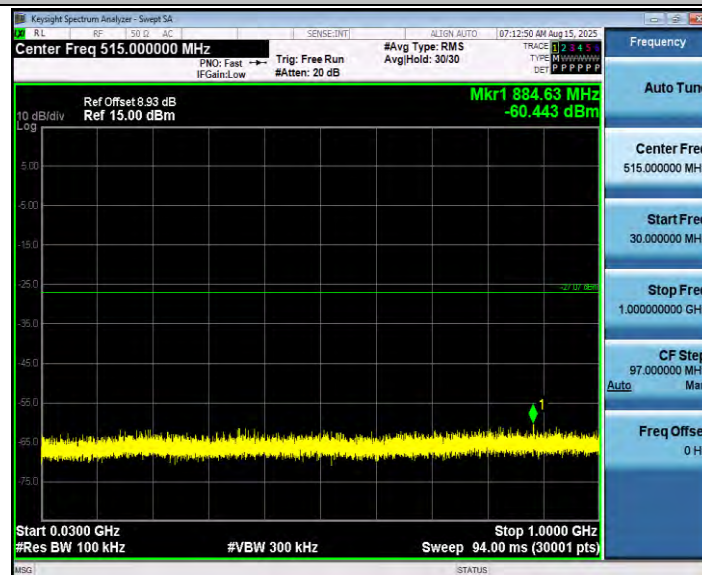
11AX20SISO_MIMO_2462_0~Reference



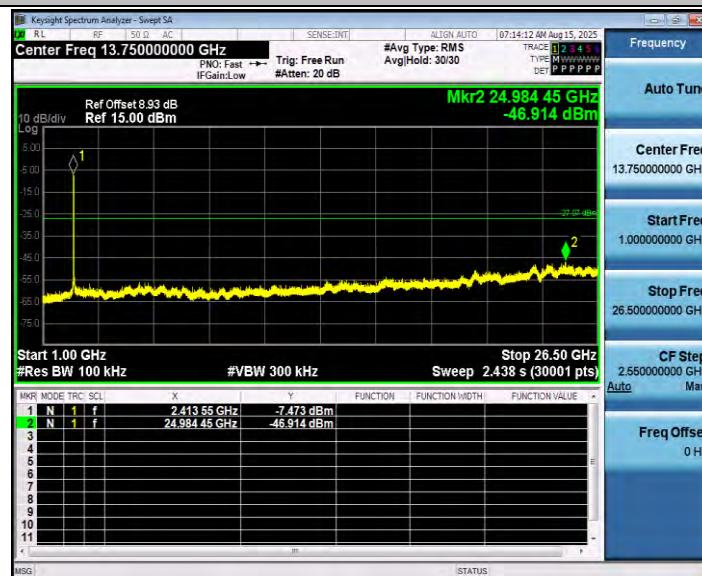




11AX40ISO_MIMO_2422_30~1000



11AX40ISO_MIMO_2422_1000~26500



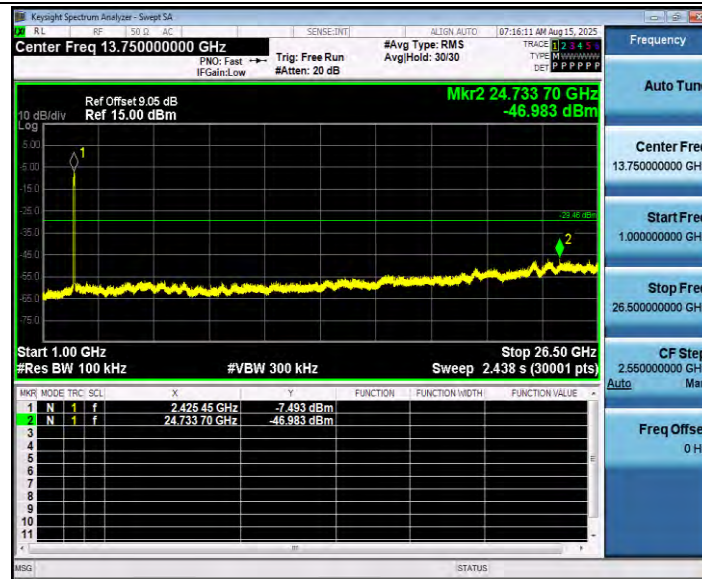
11AX40SISO_MIMO_2437_0~Reference



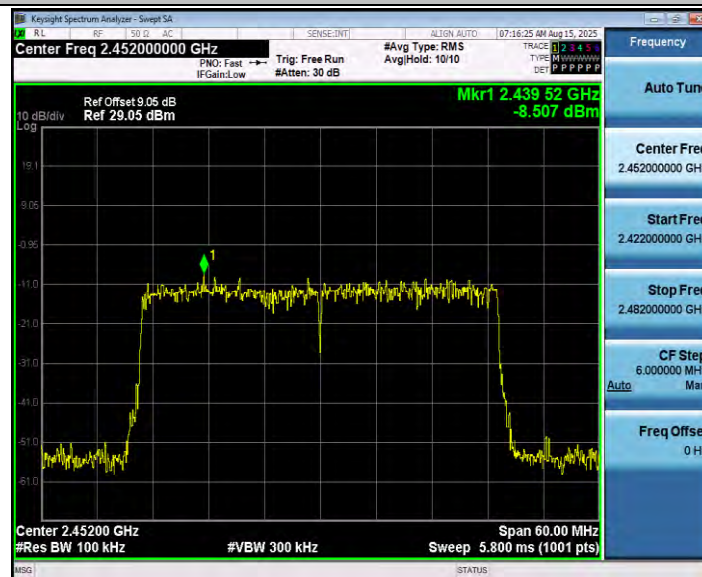
11AX40SISO_MIMO_2437_30~1000



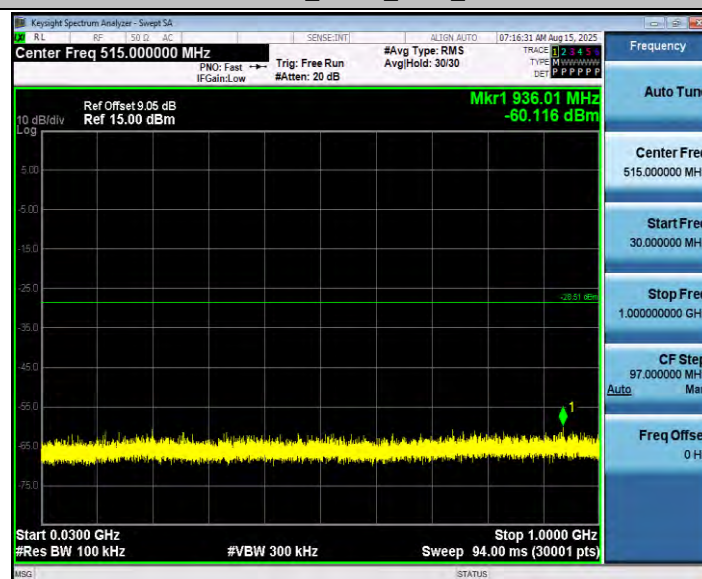
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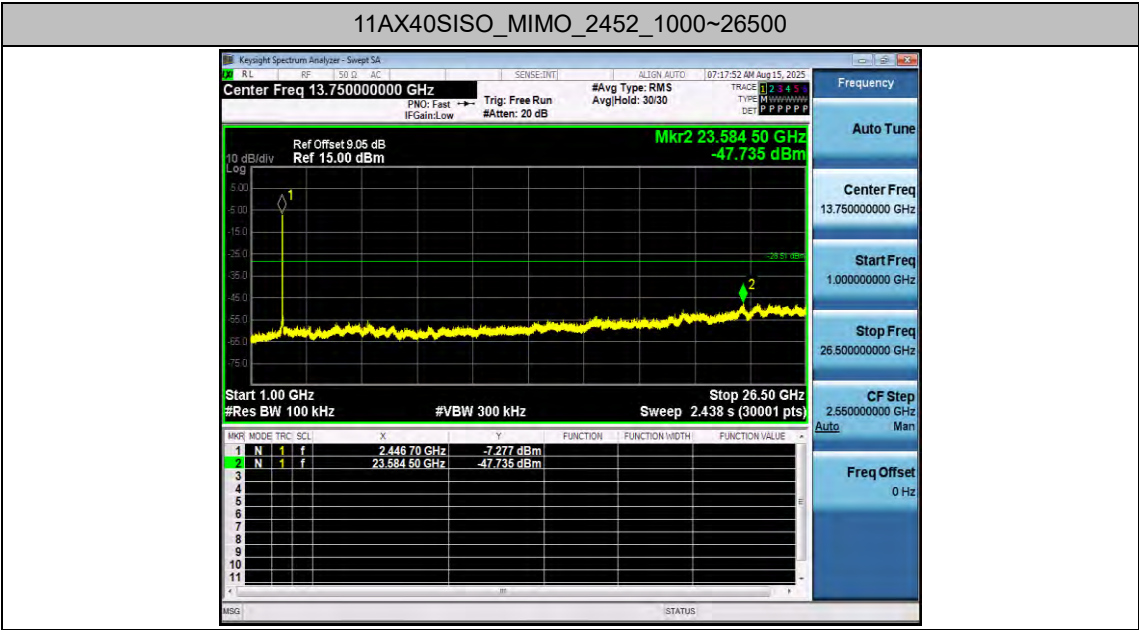


11AX40SISO_MIMO_2452_0~Reference



11AX40SISO_MIMO_2452_30~1000





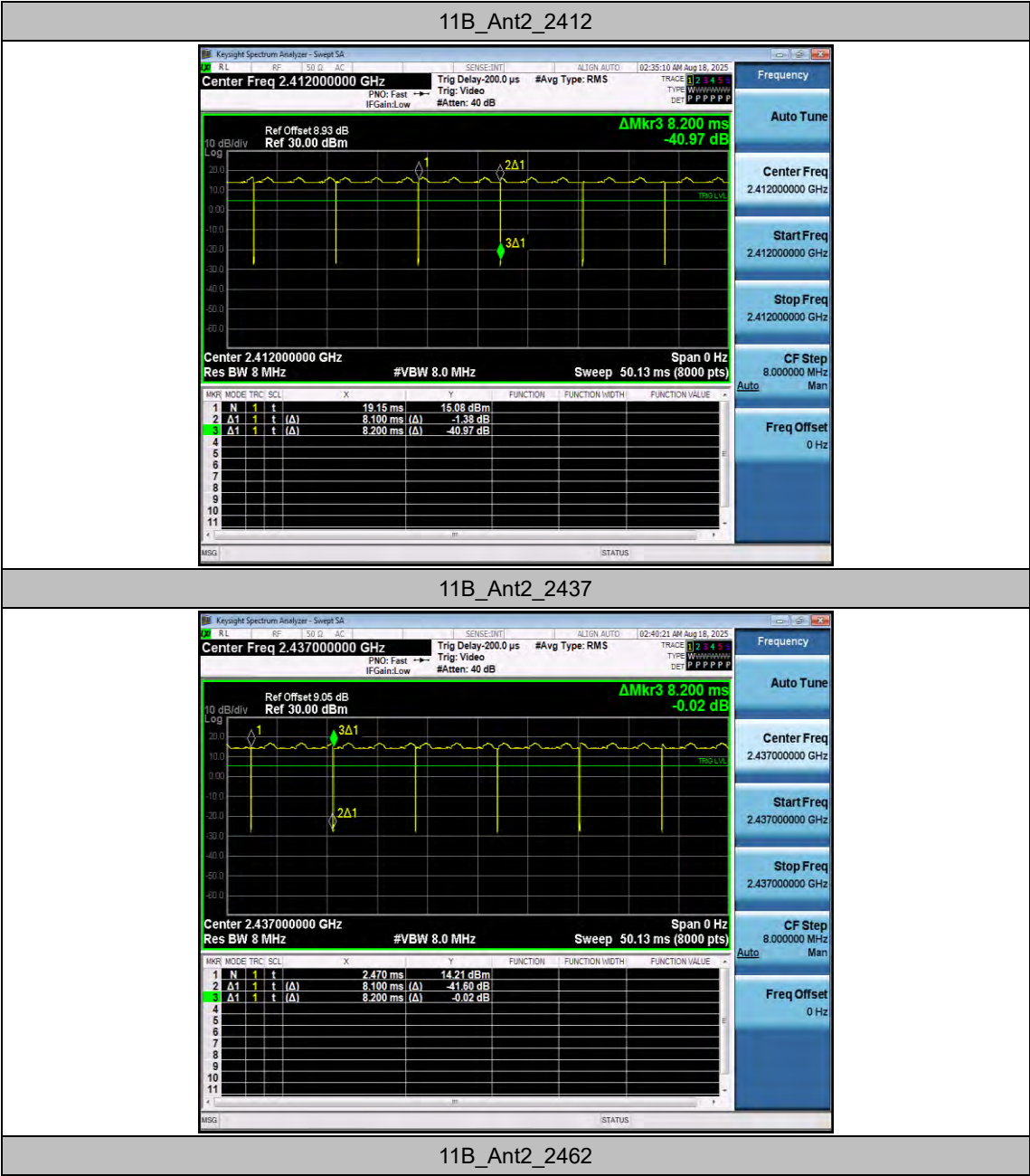
AppendixA.7: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant2	2412	8.10	8.20	98.78	0.05	0.12
		2437	8.10	8.20	98.78	0.05	0.12
		2462	8.09	8.20	98.66	0.06	0.12
11G	Ant2	2412	1.35	1.45	93.10	0.31	0.74
		2437	1.35	1.46	92.47	0.34	0.74
		2462	1.35	1.46	92.47	0.34	0.74
11N20SISO	Ant2	2412	1.27	1.37	92.70	0.33	0.79
		2437	1.27	1.37	92.70	0.33	0.79
		2462	1.27	1.37	92.70	0.33	0.79
11N40SISO	Ant2	2422	0.63	0.74	85.14	0.70	1.59
		2437	0.63	0.73	86.30	0.64	1.59
		2452	0.63	0.73	86.30	0.64	1.59
11AX20SISO	Ant2	2412	0.99	1.09	90.83	0.42	1.01
		2437	0.98	1.08	90.74	0.42	1.02
		2462	0.98	1.08	90.74	0.42	1.02
11AX40SISO	Ant2	2422	0.51	0.62	82.26	0.85	1.96
		2437	0.52	0.62	83.87	0.76	1.92

		2452	0.52	0.62	83.87	0.76	1.92
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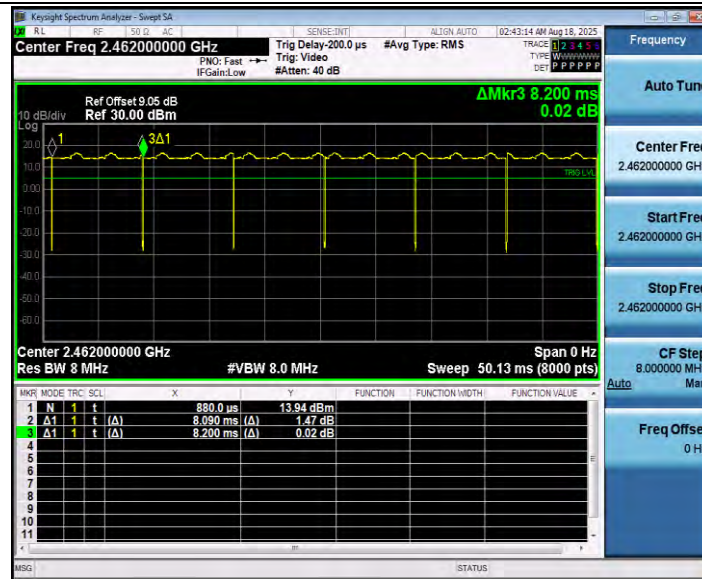
Test Graphs



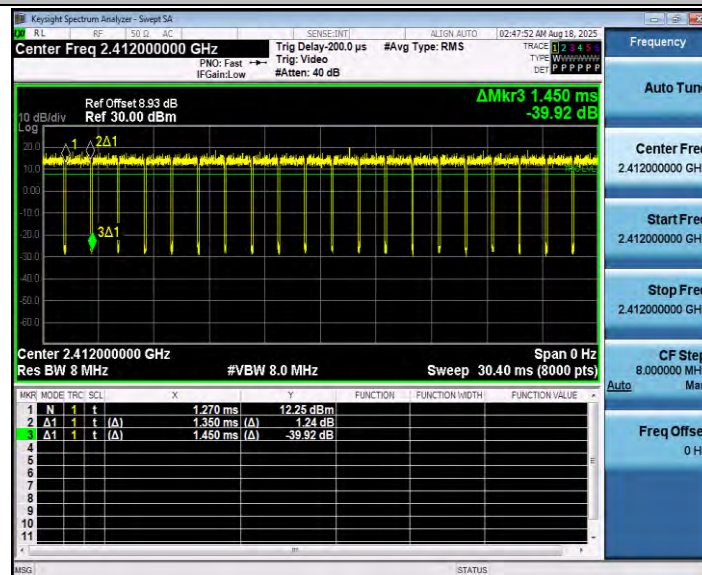
11B_Ant2_2437

Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.437000000 GHz
Stop Freq 2.437000000 GHz
CF Step 8.000000 MHz
Freq Offset 0 Hz

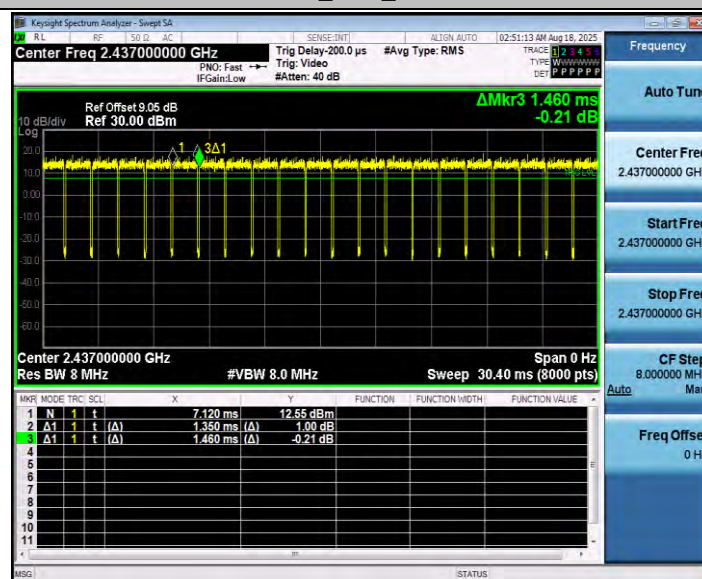
11B_Ant2_2462

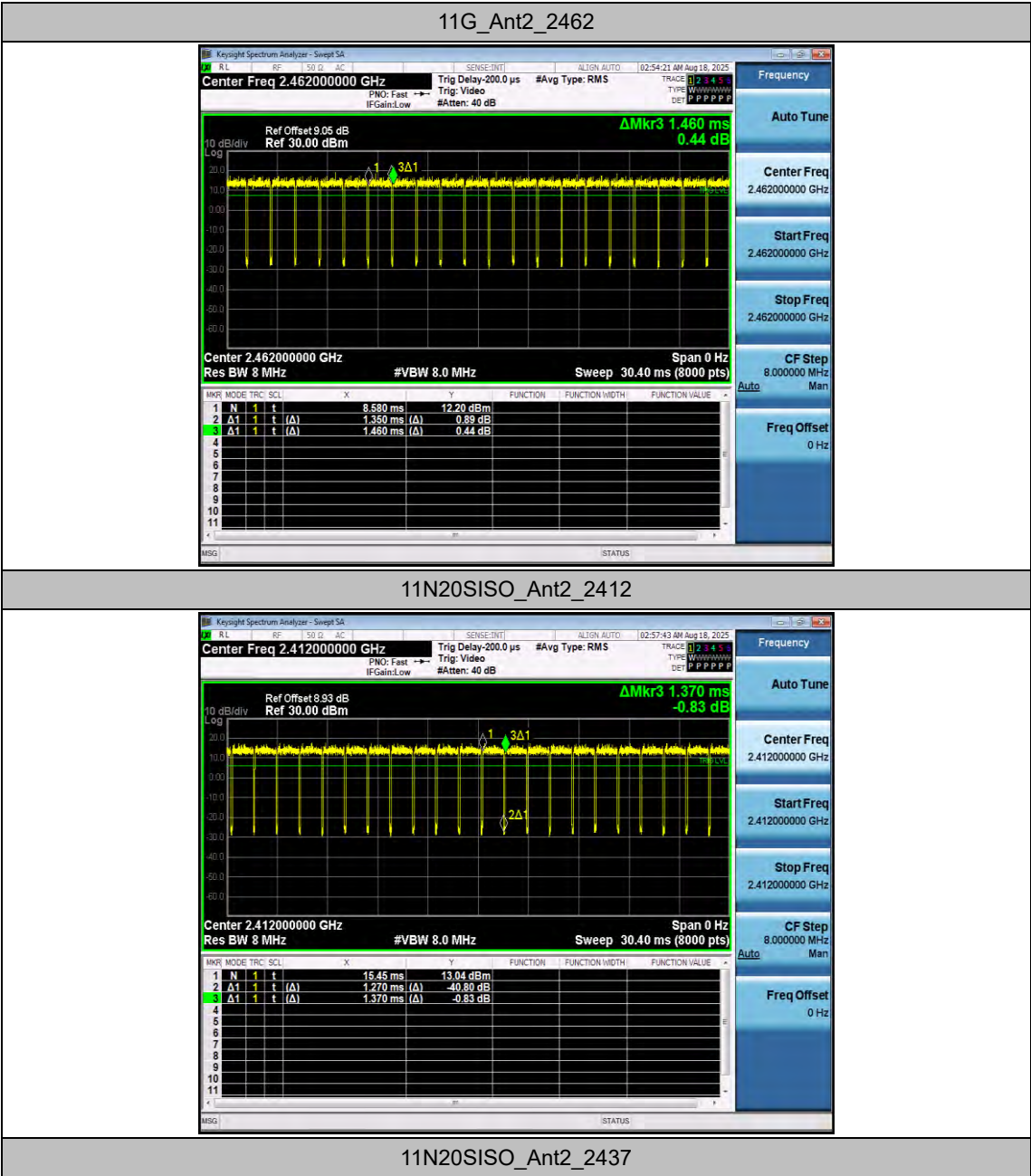


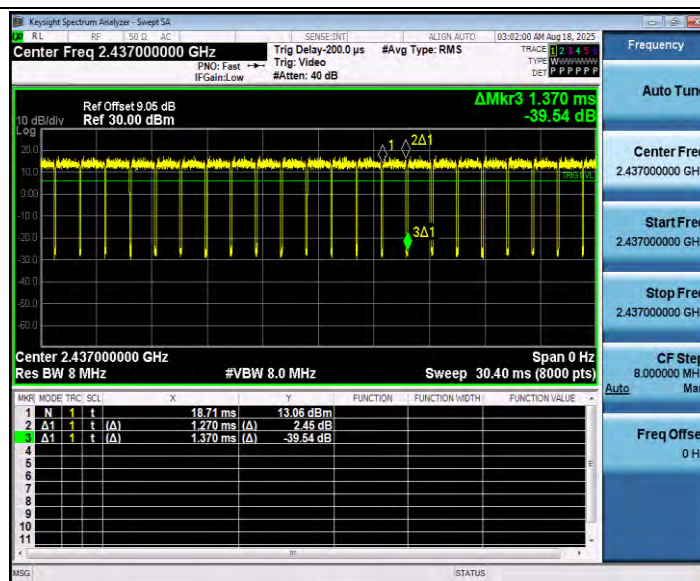
11G_Ant2_2412



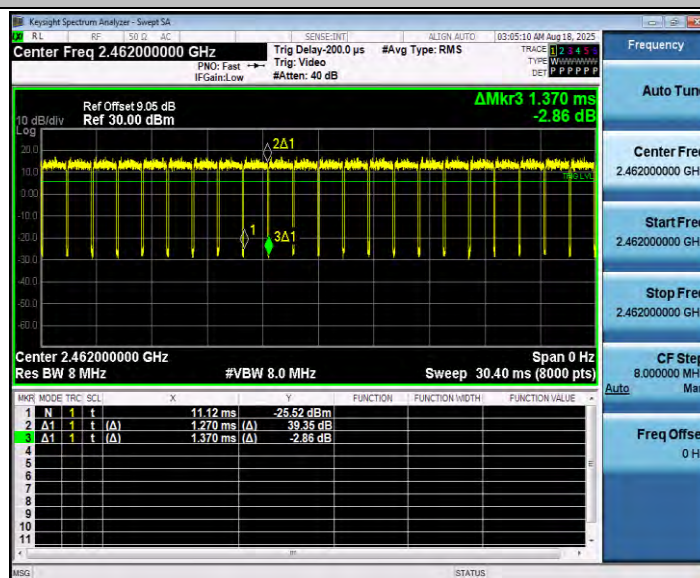
11G_Ant2_2437



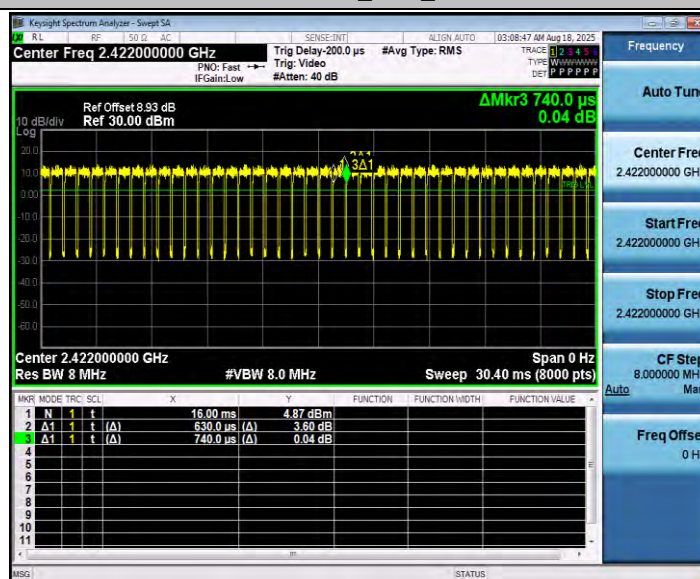




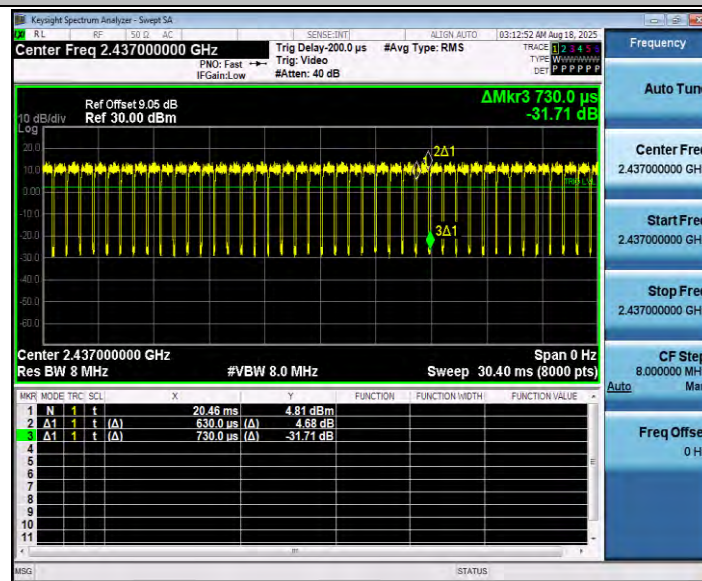
11N20SISO_Ant2_2462



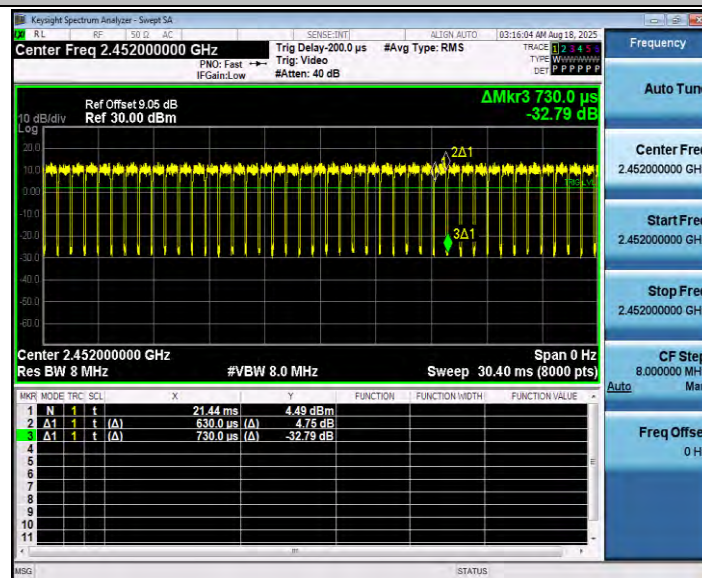
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



11AX20SISO_Ant2_2412

