



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: tablet pc

Test Model: G103

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu
Supervised by:	Ling Zhu



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C.1 DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.080	2407.960	2416.040	0.5	PASS
		2437	8.040	2433.000	2441.040	0.5	PASS
		2462	7.600	2458.000	2465.600	0.5	PASS
11G	Ant1	2412	15.000	2404.480	2419.480	0.5	PASS
		2437	14.800	2429.720	2444.520	0.5	PASS
		2462	15.640	2454.240	2469.880	0.5	PASS
11N20SISO	Ant1	2412	16.280	2404.480	2420.760	0.5	PASS
		2437	15.320	2429.440	2444.760	0.5	PASS
		2462	14.800	2455.120	2469.920	0.5	PASS
11N40SISO	Ant1	2422	34.000	2405.760	2439.760	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	32.640	2436.960	2469.600	0.5	PASS

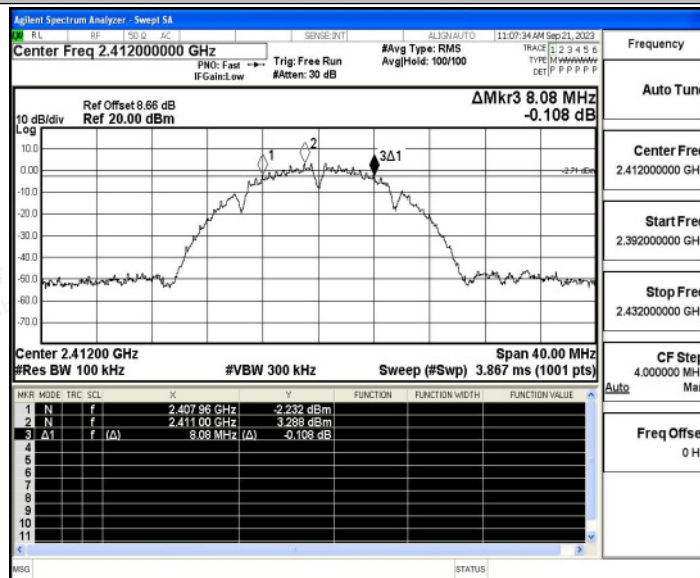


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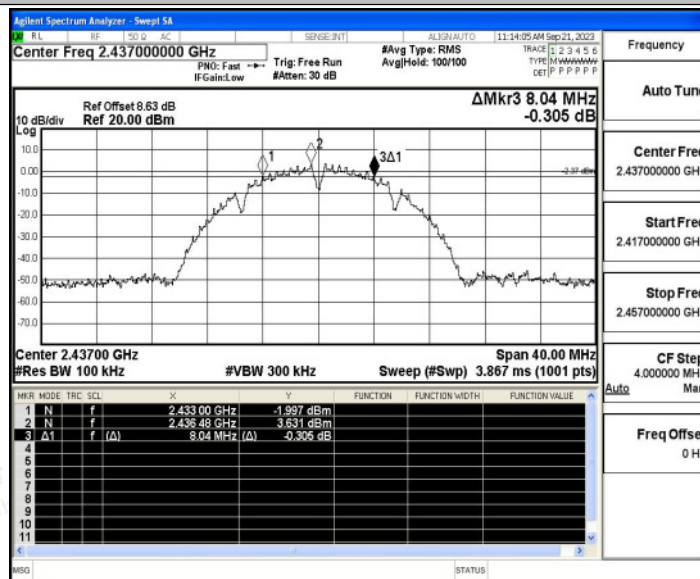


Test Graphs

11B_Ant1_2412



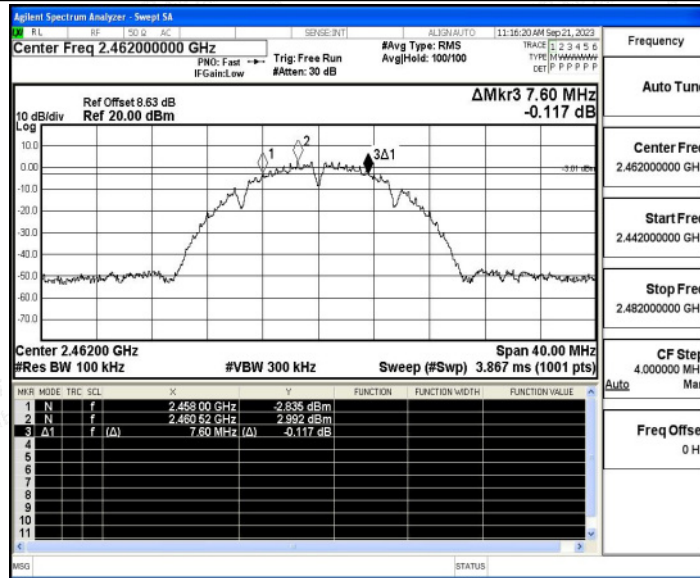
11B_Ant1_2437



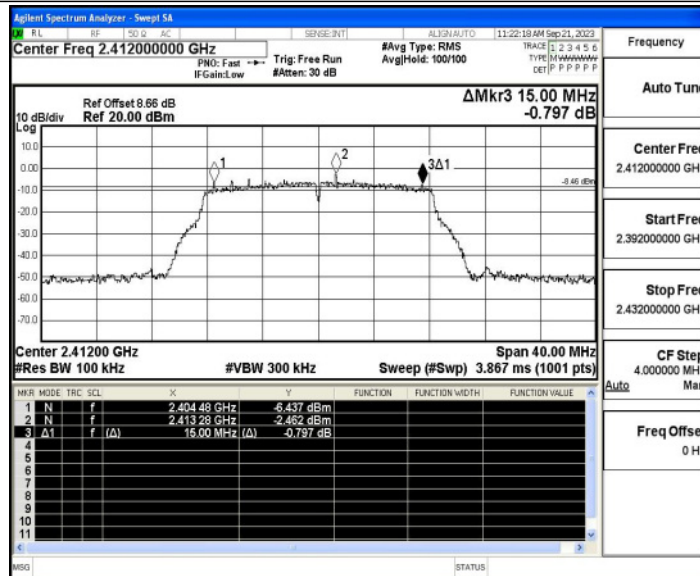
11B_Ant1_2462



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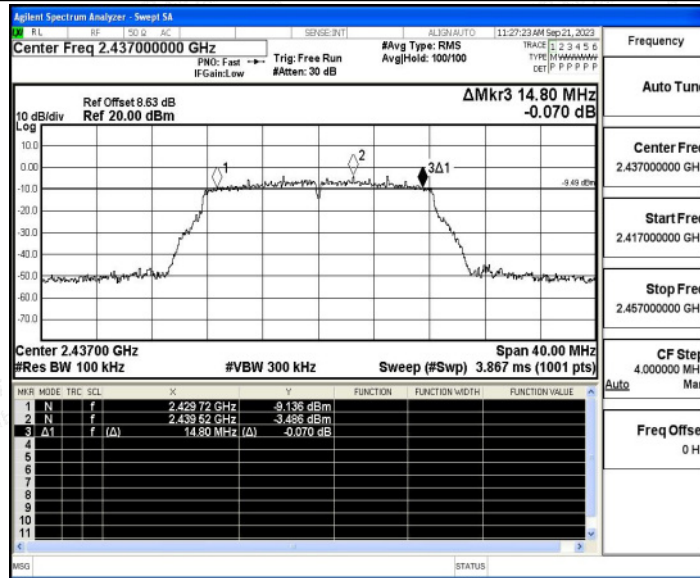
11G_Ant1_2412



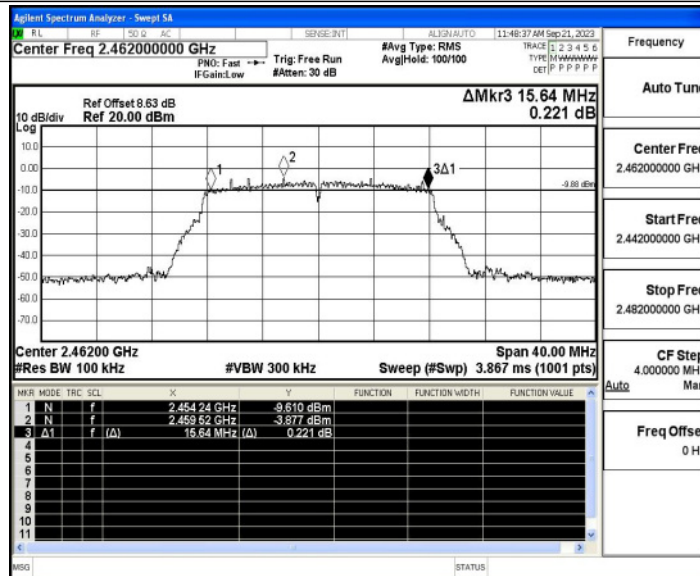
11G_Ant1_2437



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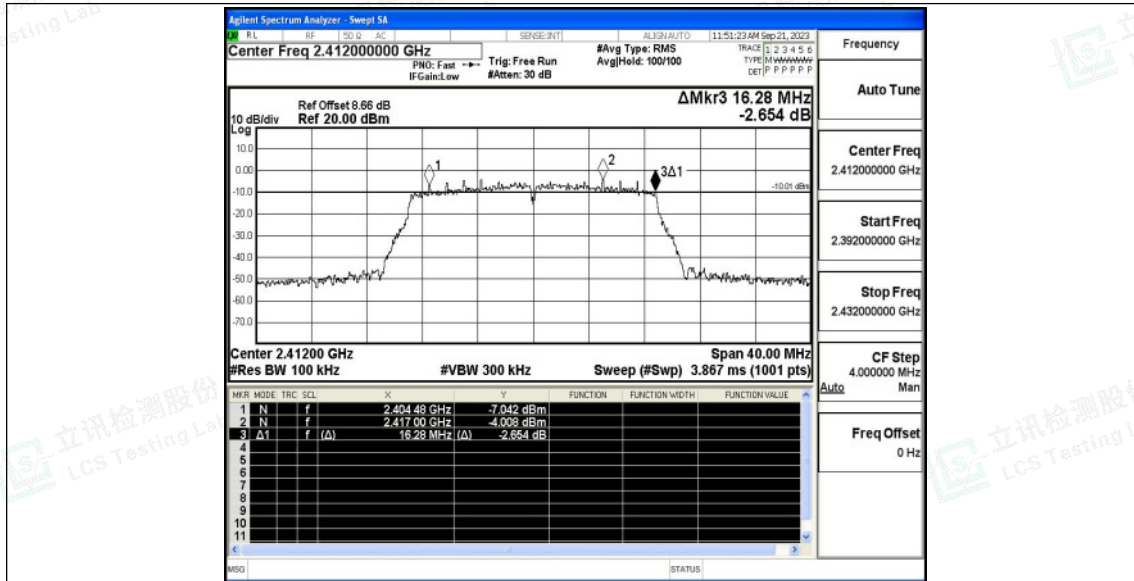
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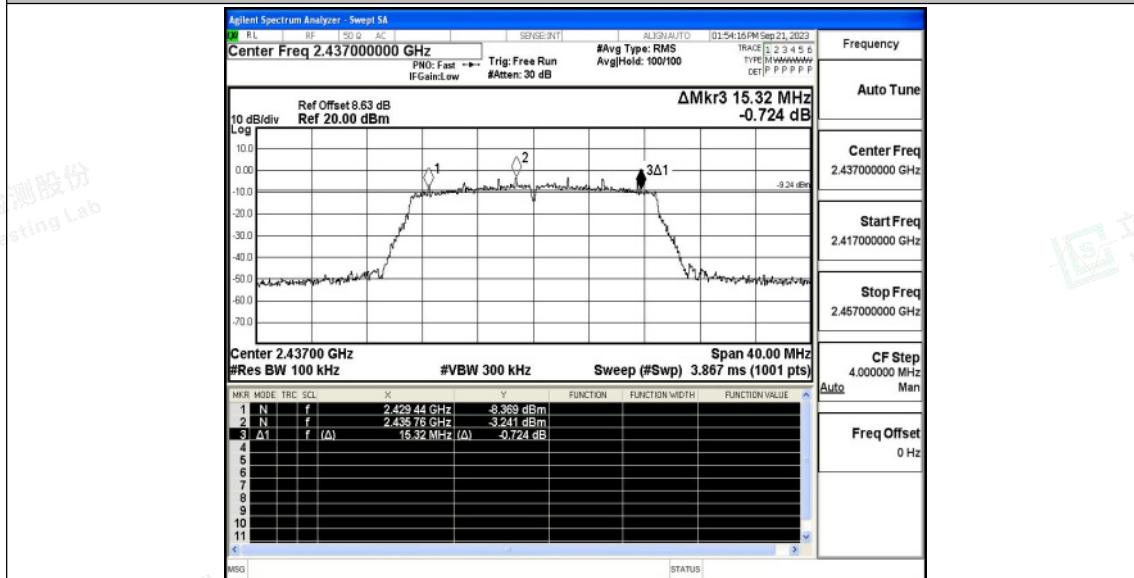
11N20SISO_Ant1_2412



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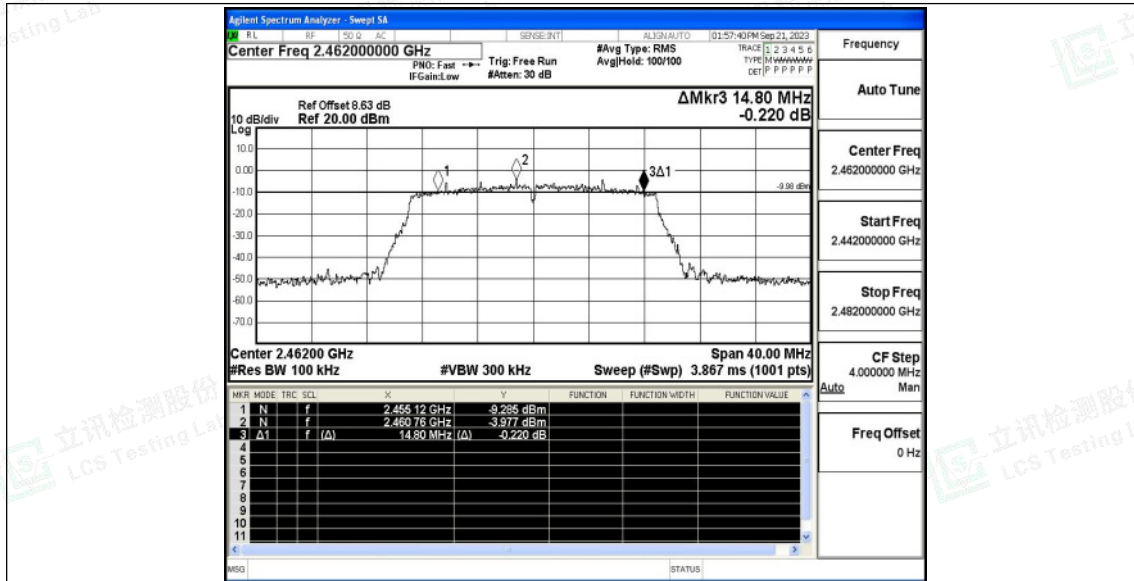


11N20SISO_Ant1_2437

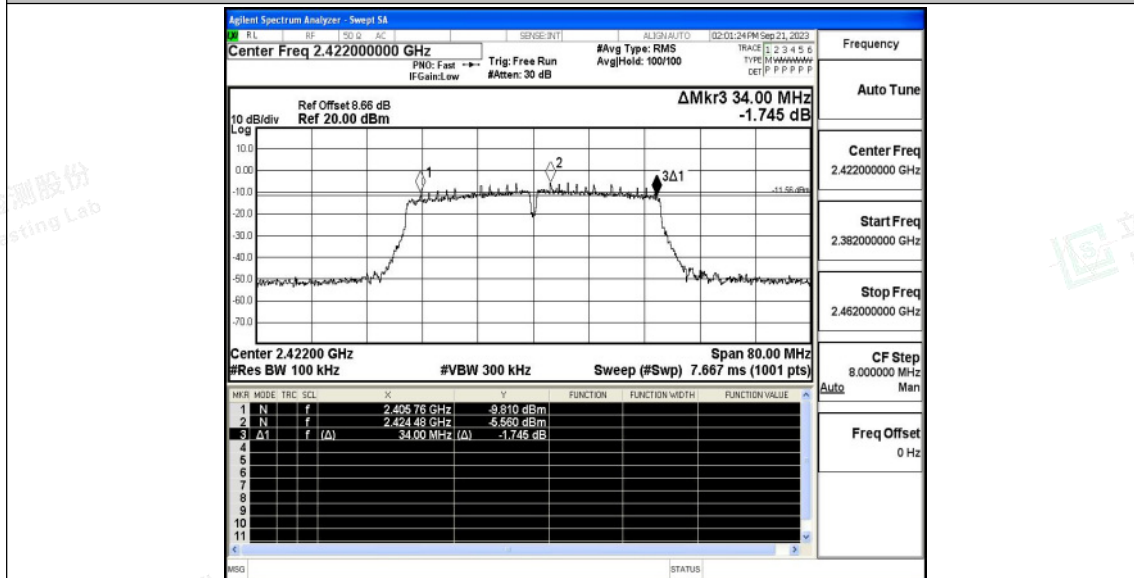


11N20SISO_Ant1_2462





11N40SISO_Ant1_2422



11N40SISO_Ant1_2437

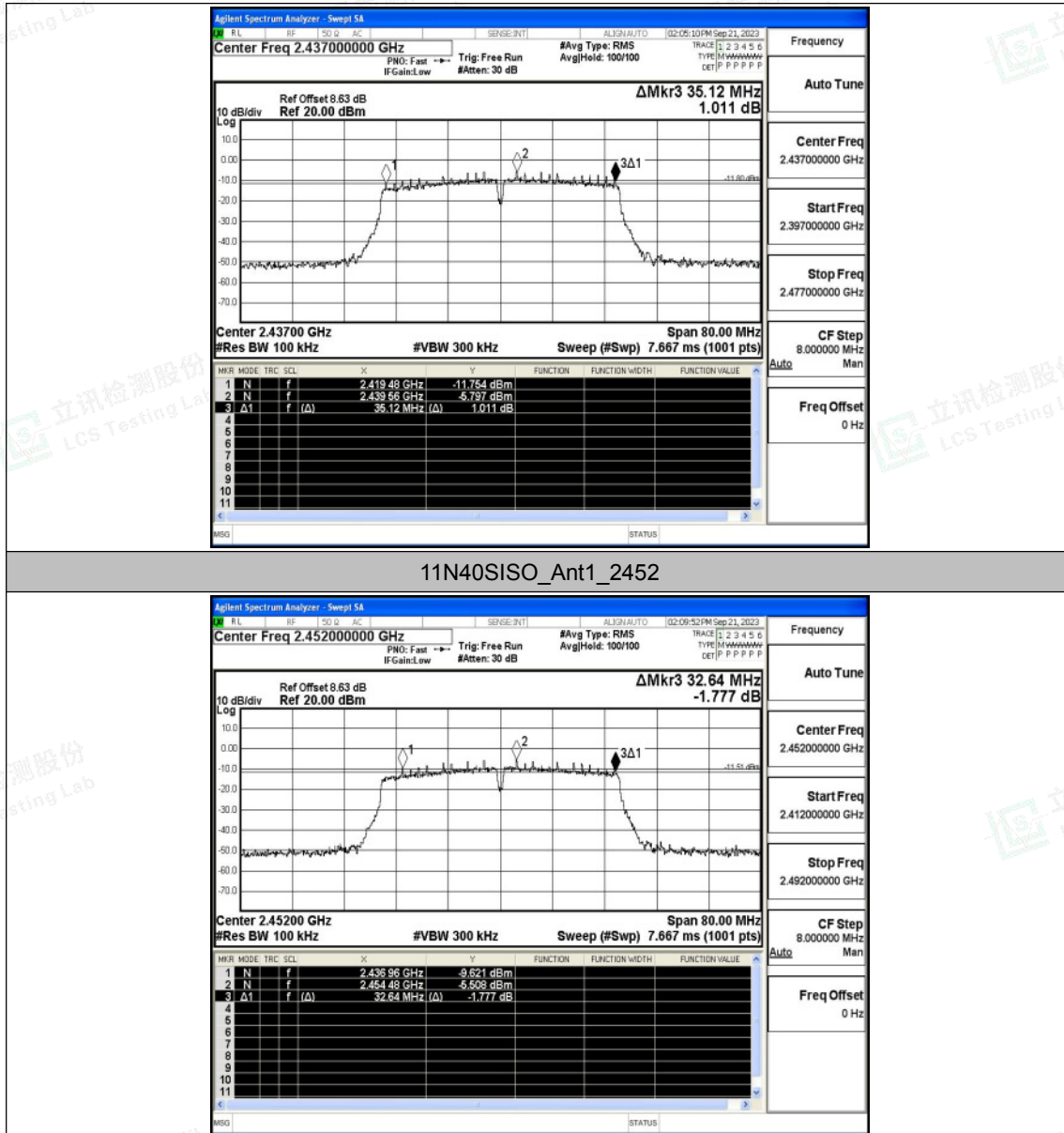


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C.2 Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq(MHz)	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	14.58	≤30.00	PASS
		2437	14.65	≤30.00	PASS
		2462	14.44	≤30.00	PASS
11G	Ant1	2412	13.97	≤30.00	PASS
		2437	14.20	≤30.00	PASS
		2462	13.92	≤30.00	PASS
11N20SISO	Ant1	2412	13.92	≤30.00	PASS
		2437	13.76	≤30.00	PASS
		2462	13.57	≤30.00	PASS
11N40SISO	Ant1	2422	14.09	≤30.00	PASS
		2437	13.99	≤30.00	PASS
		2452	13.94	≤30.00	PASS



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C.3 Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-9.78	≤8.00	PASS
		2437	-9.7	≤8.00	PASS
		2462	-10.45	≤8.00	PASS
11G	Ant1	2412	-16.95	≤8.00	PASS
		2437	-16.84	≤8.00	PASS
		2462	-15.94	≤8.00	PASS
11N20SISO	Ant1	2412	-16.79	≤8.00	PASS
		2437	-15.98	≤8.00	PASS
		2462	-17.07	≤8.00	PASS
11N40SISO	Ant1	2422	-18.97	≤8.00	PASS
		2437	-19.71	≤8.00	PASS
		2452	-18.86	≤8.00	PASS

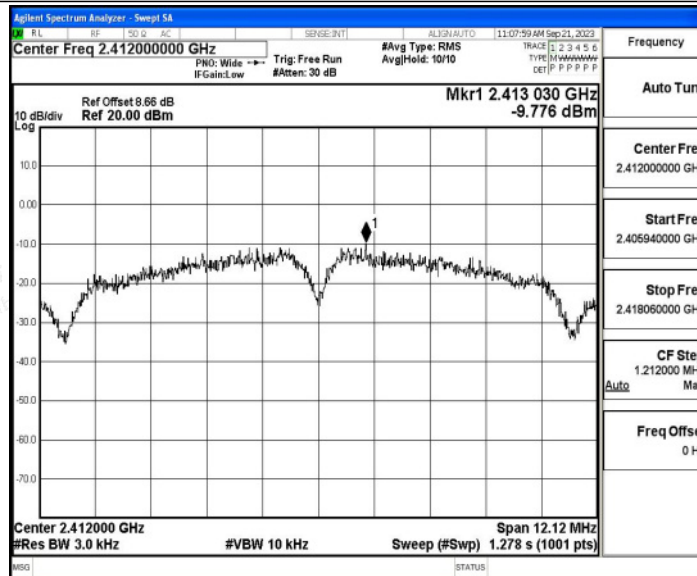


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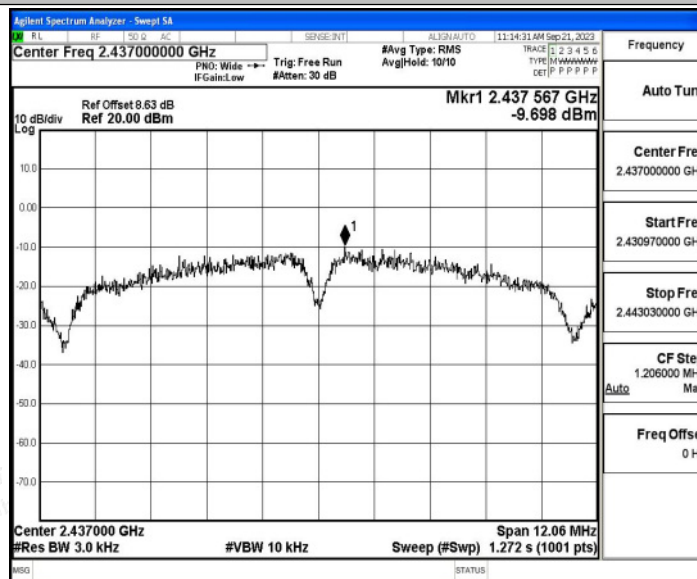


Test Graphs

11B_Ant1_2412

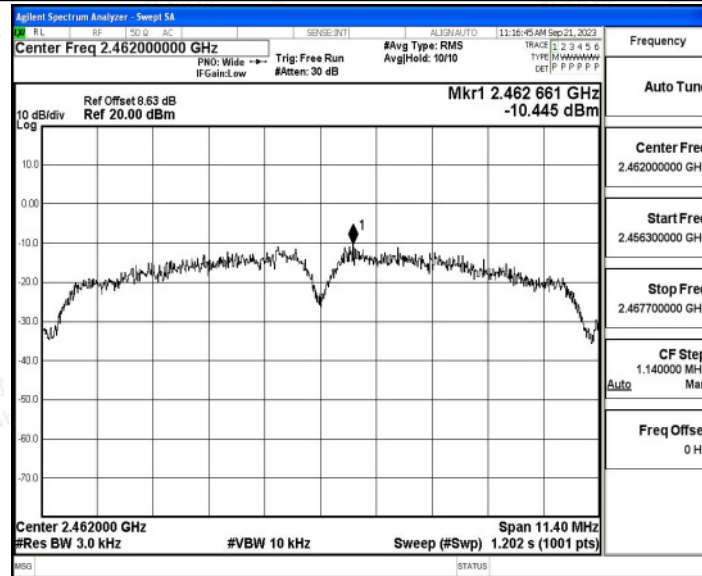


11B_Ant1_2437

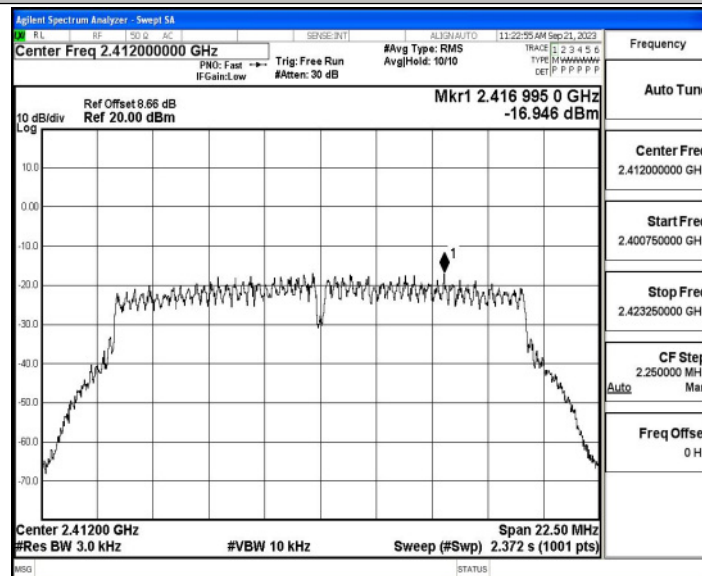


11B_Ant1_2462



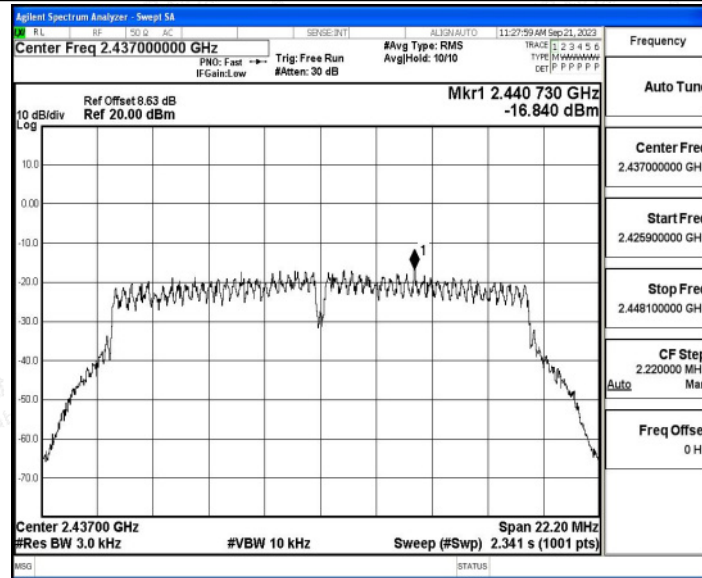


11G_Ant1_2412

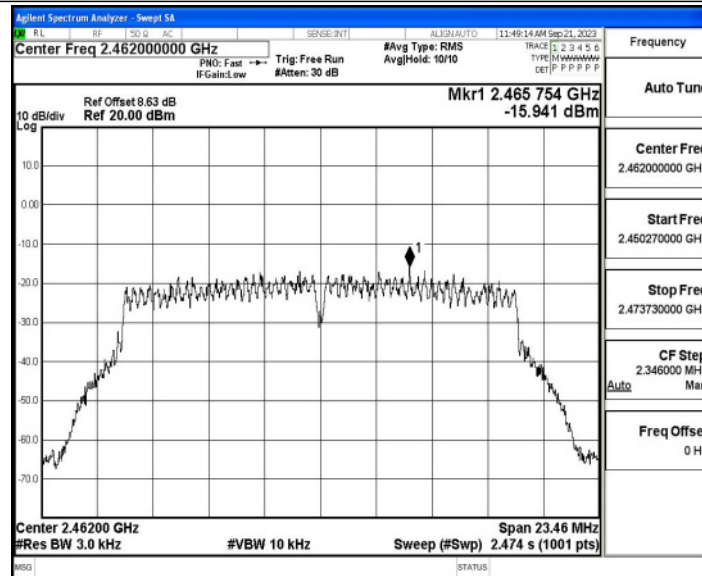


11G_Ant1_2437



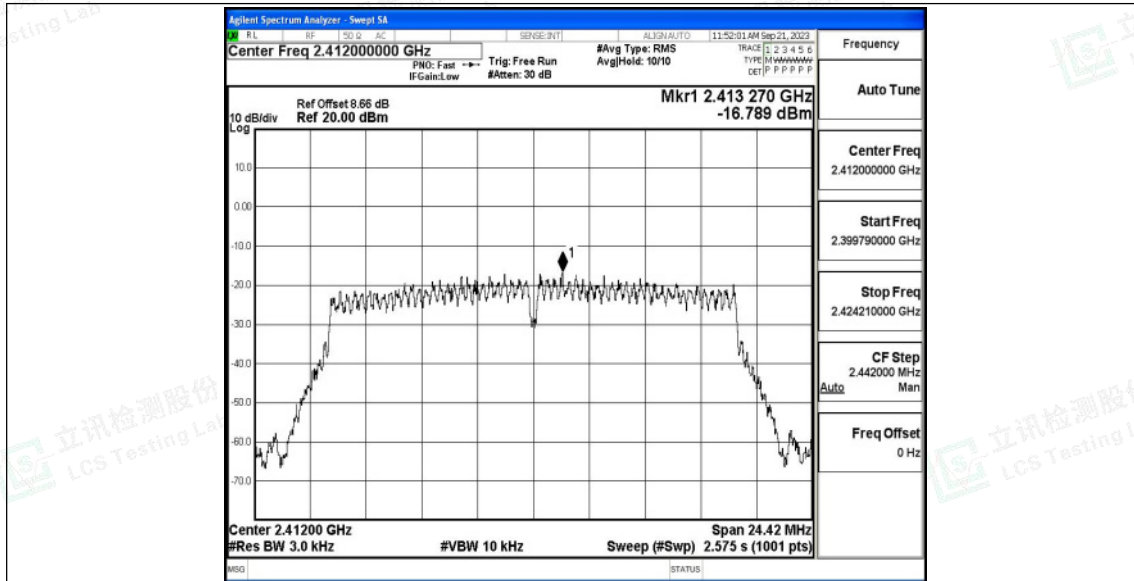


11G_Ant1_2462

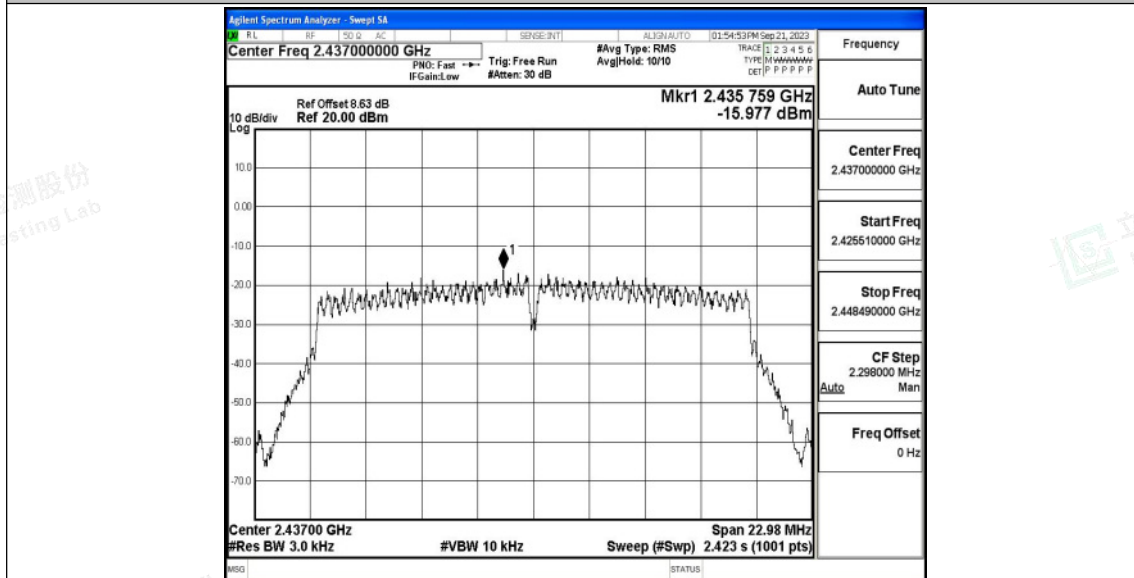


11N20SISO_Ant1_2412



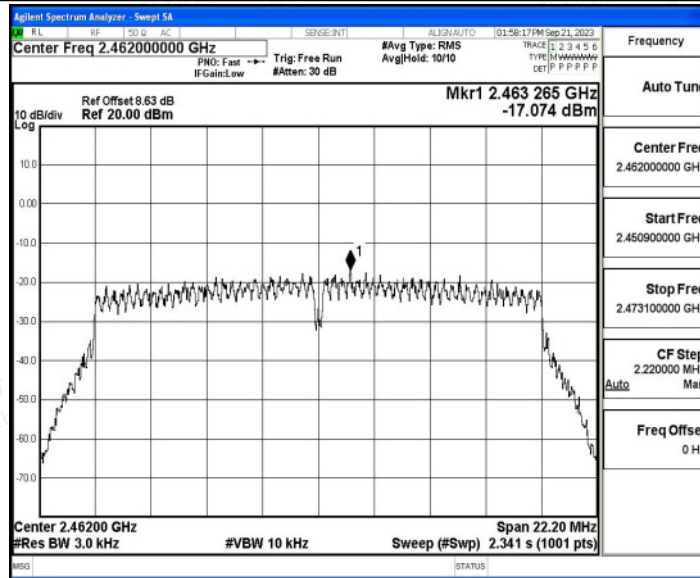


11N20SISO_Ant1_2437

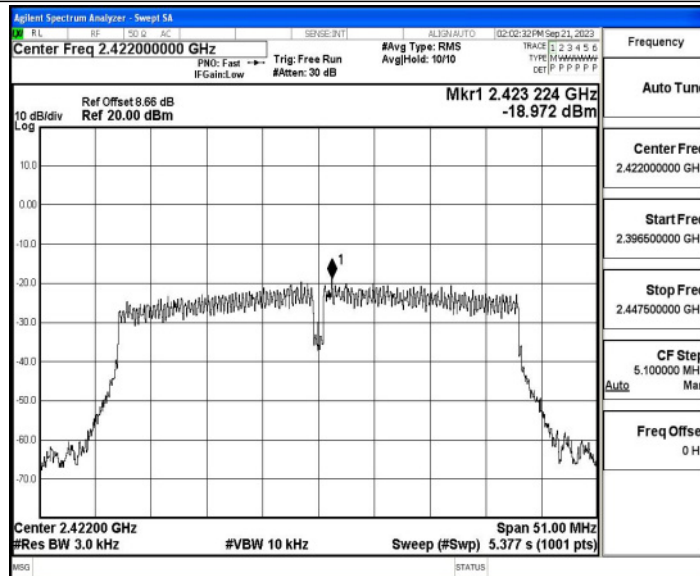


11N20SISO_Ant1_2462



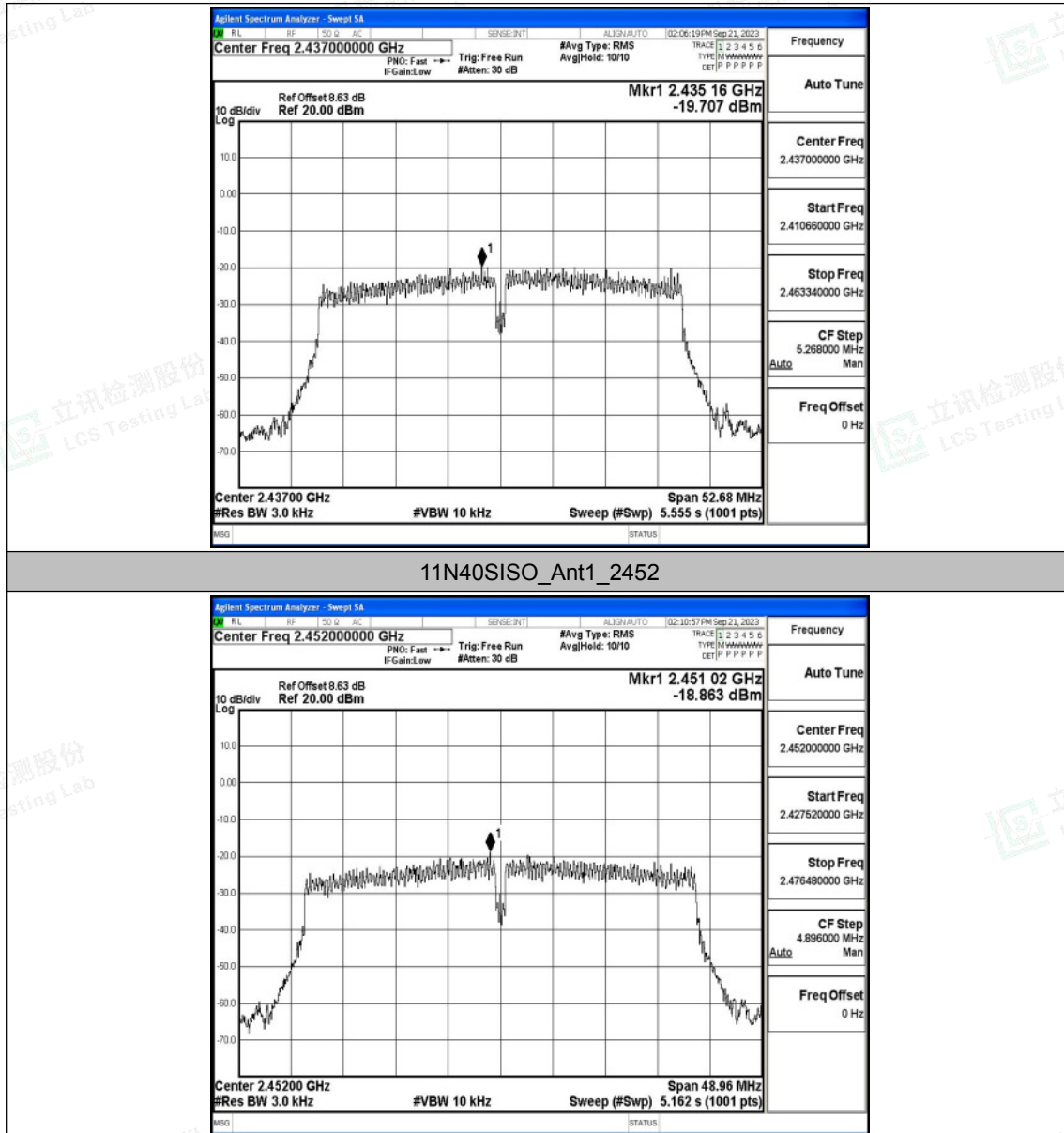


11N40SISO_Ant1_2422



11N40SISO_Ant1_2437







C.4 Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.38	-46.15	≤ -16.62	PASS
		High	2462	3.09	-46.75	≤ -16.91	PASS
11G	Ant1	Low	2412	-2.82	-46.54	≤ -22.82	PASS
		High	2462	-4.06	-46.89	≤ -24.06	PASS
11N20SISO	Ant1	Low	2412	-3.36	-46.57	≤ -23.36	PASS
		High	2462	-5.20	-47.98	≤ -25.2	PASS
11N40SISO	Ant1	Low	2422	-5.36	-47.39	≤ -25.36	PASS
		High	2452	-5.63	-47.33	≤ -25.63	PASS

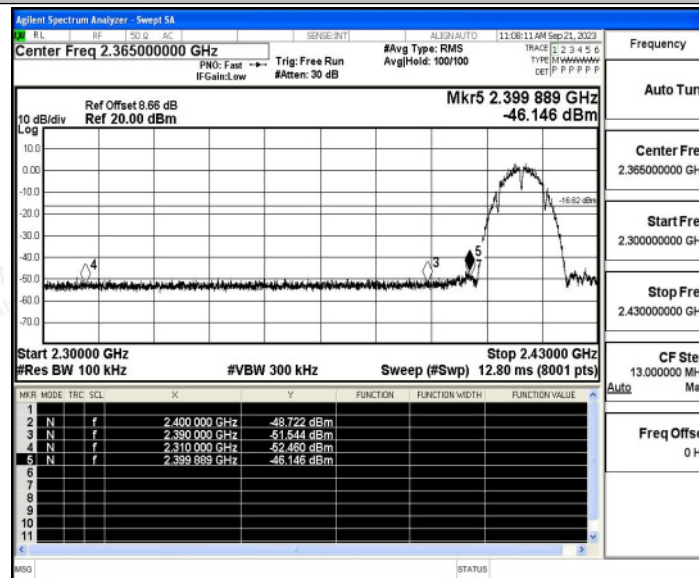


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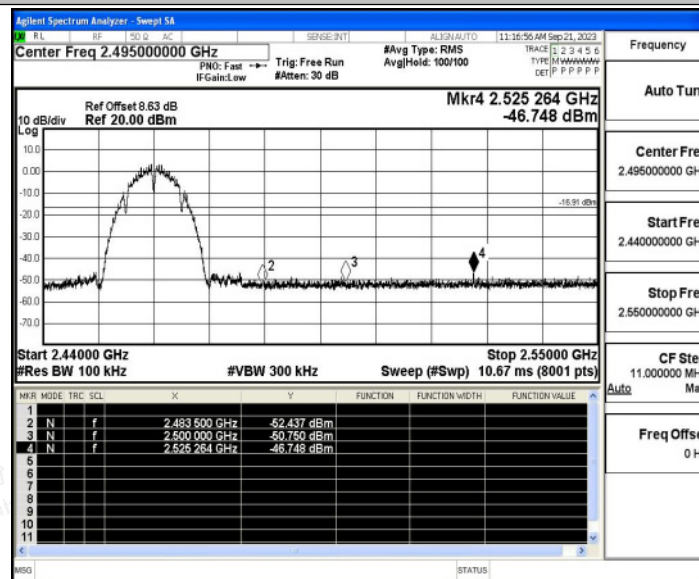


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

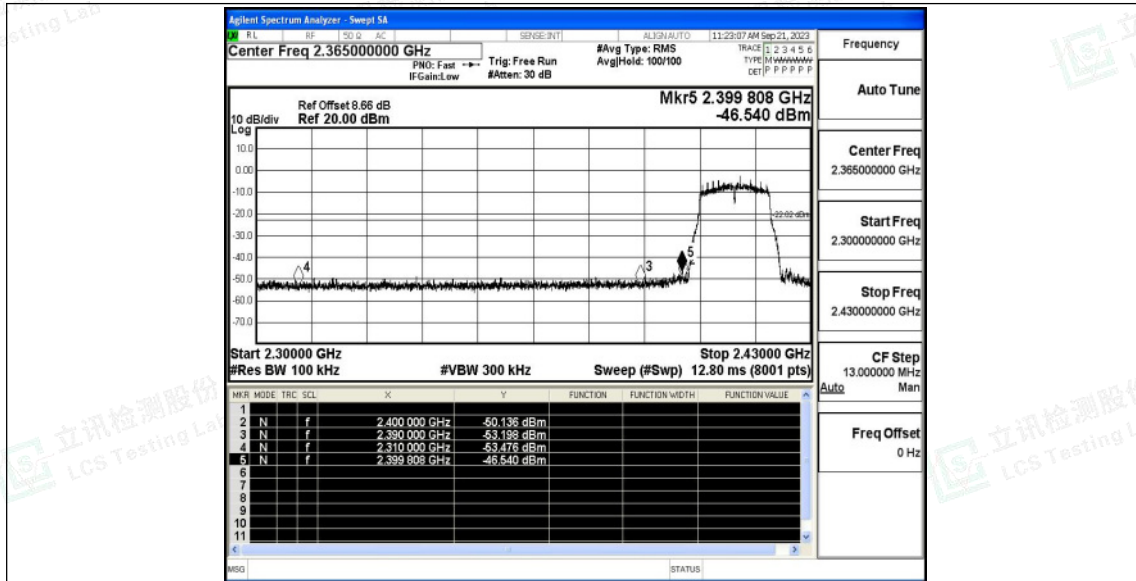


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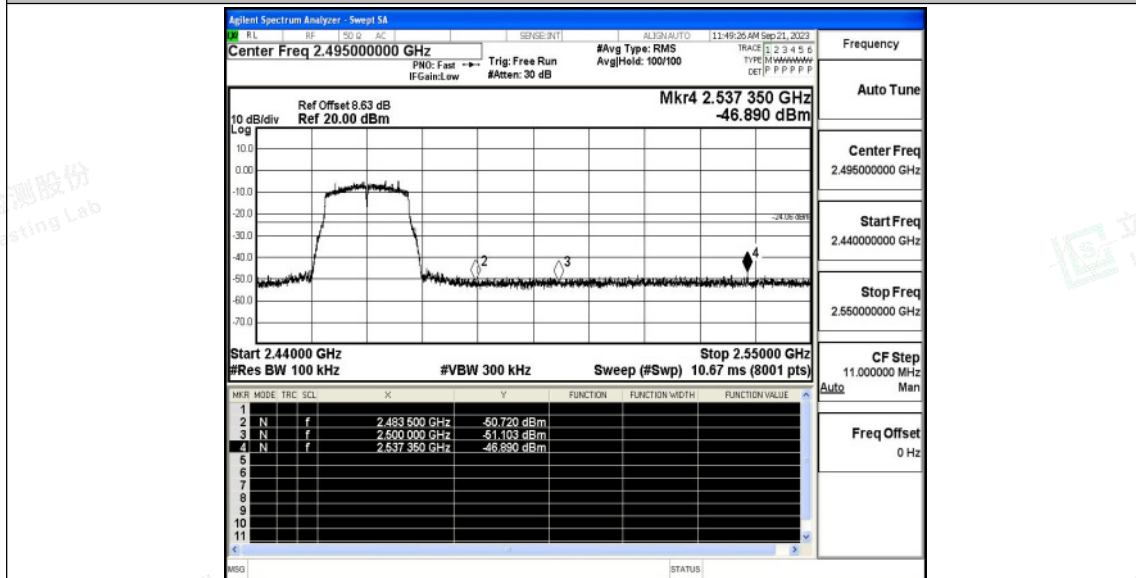
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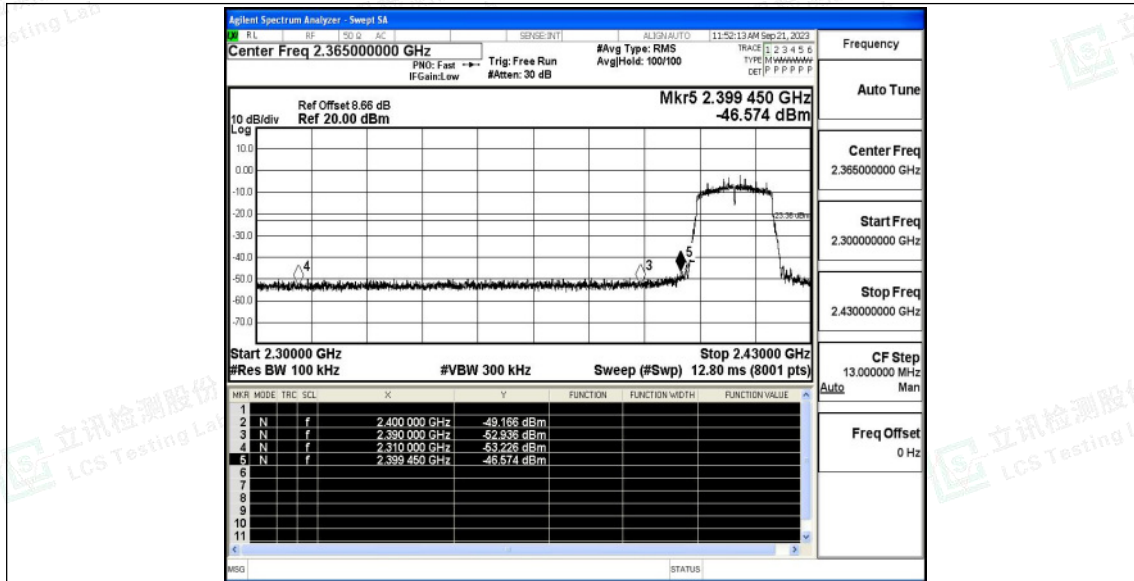
11G_Ant1_High_2462



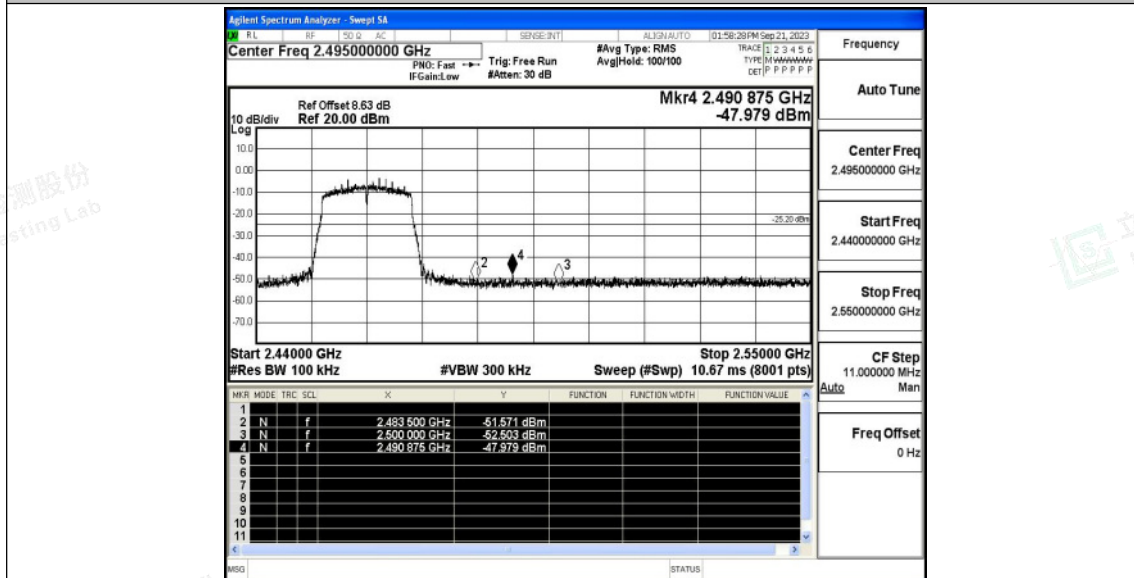
11N20SISO_Ant1_Low_2412



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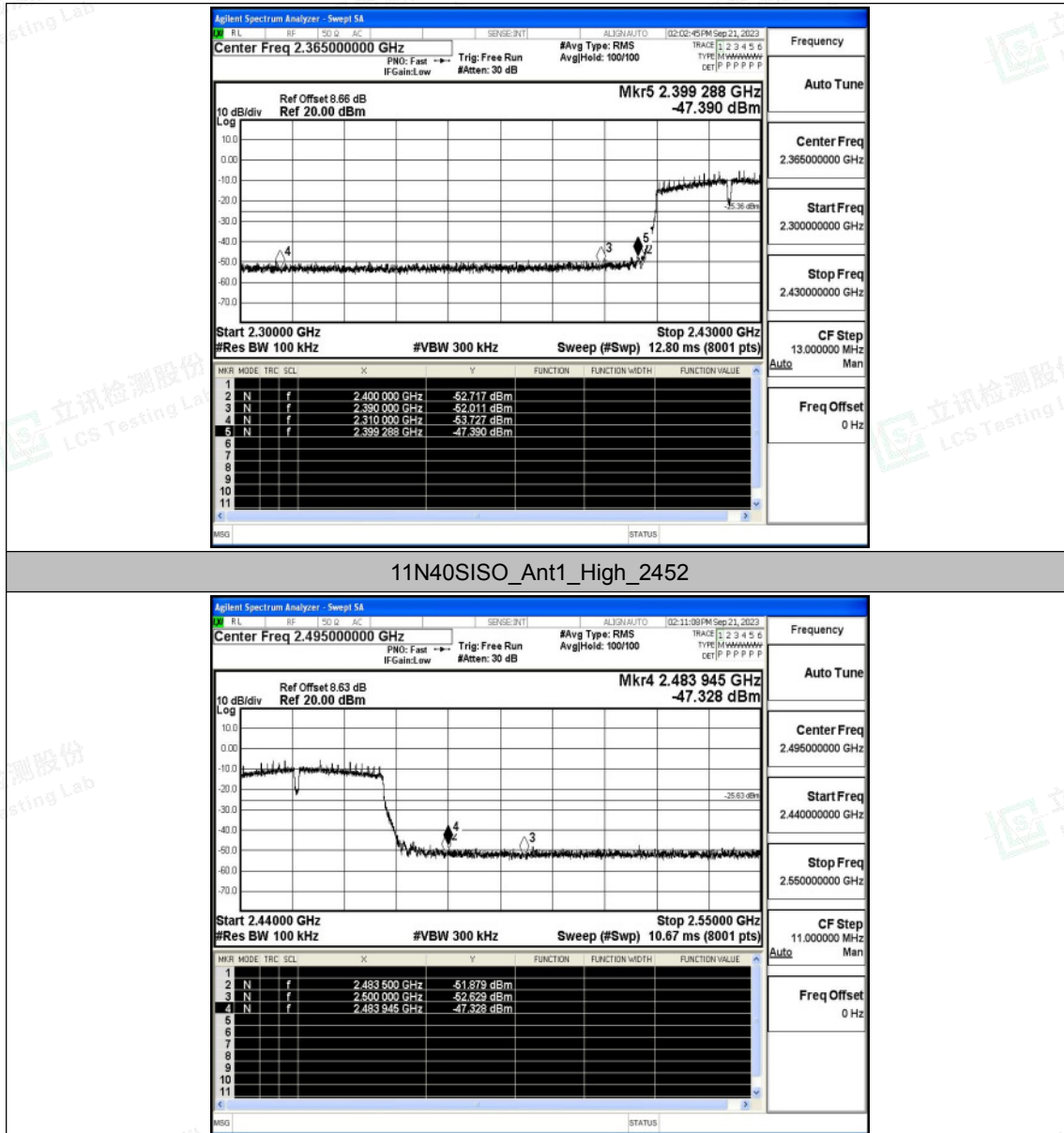


11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422





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C.5 Conducted Spurious Emission

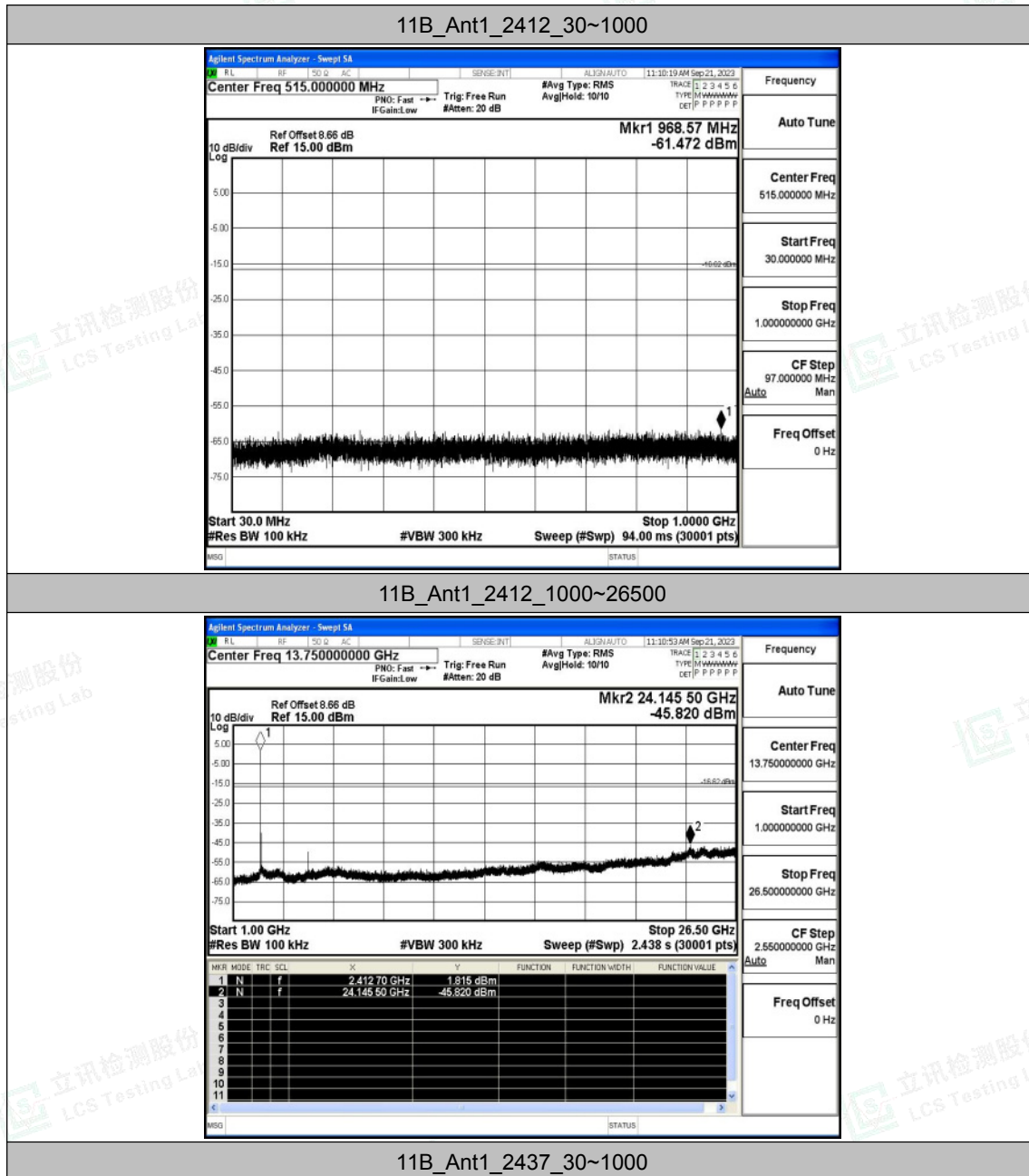
Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	3.38	-61.47	≤-16.62	PASS
			1000~26500	3.38	-45.82	≤-16.62	PASS
		2437	30~1000	3.24	-61.1	≤-16.76	PASS
			1000~26500	3.24	-46.38	≤-16.76	PASS
		2462	30~1000	3.09	-61.03	≤-16.91	PASS
			1000~26500	3.09	-46.66	≤-16.91	PASS
11G	Ant1	2412	30~1000	-2.82	-60.51	≤-22.82	PASS
			1000~26500	-2.82	-46.73	≤-22.82	PASS
		2437	30~1000	-3.83	-60.98	≤-23.83	PASS
			1000~26500	-3.83	-46.43	≤-23.83	PASS
		2462	30~1000	-4.06	-60.56	≤-24.06	PASS
			1000~26500	-4.06	-46.43	≤-24.06	PASS
11N20SISO	Ant1	2412	30~1000	-3.36	-61	≤-23.36	PASS
			1000~26500	-3.36	-46.64	≤-23.36	PASS
		2437	30~1000	-3.73	-60.48	≤-23.73	PASS
			1000~26500	-3.73	-46.75	≤-23.73	PASS
		2462	30~1000	-5.20	-61.6	≤-25.2	PASS
			1000~26500	-5.20	-46.93	≤-25.2	PASS
11N40SISO	Ant1	2422	30~1000	-5.36	-61.47	≤-25.36	PASS
			1000~26500	-5.36	-45.03	≤-25.36	PASS
		2437	30~1000	-5.65	-60.75	≤-25.65	PASS
			1000~26500	-5.65	-46.21	≤-25.65	PASS
		2452	30~1000	-5.63	-60.9	≤-25.63	PASS
			1000~26500	-5.63	-45.64	≤-25.63	PASS





Test Graphs

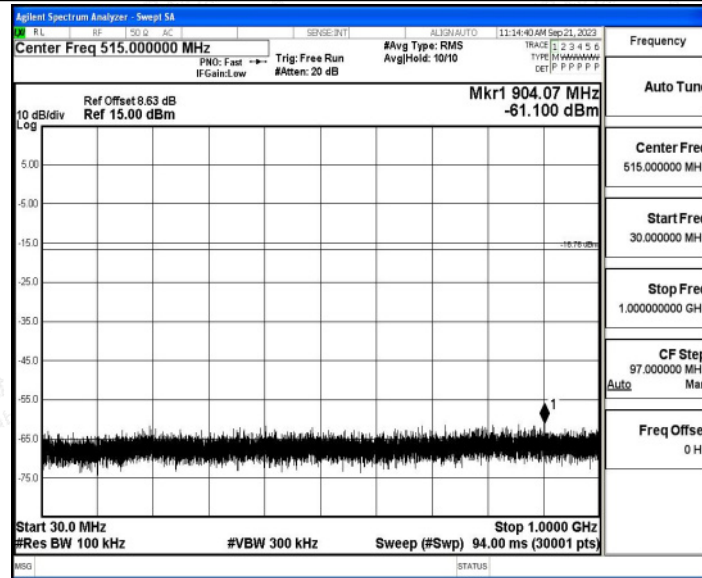


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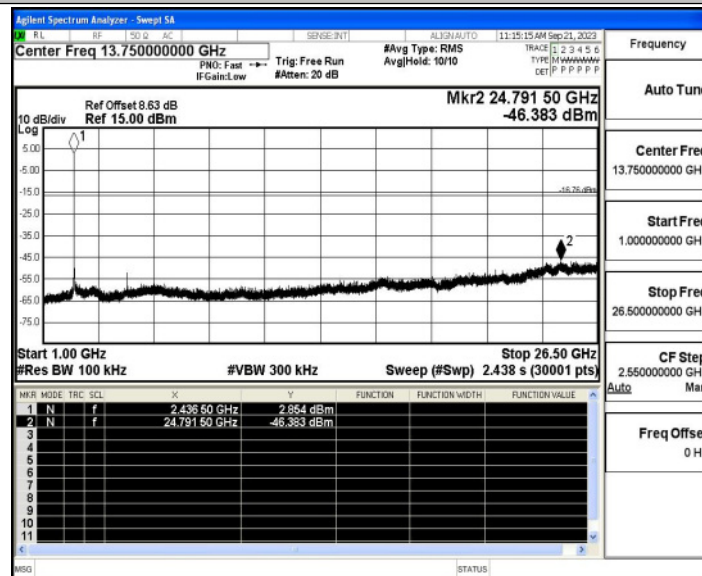
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_30~1000

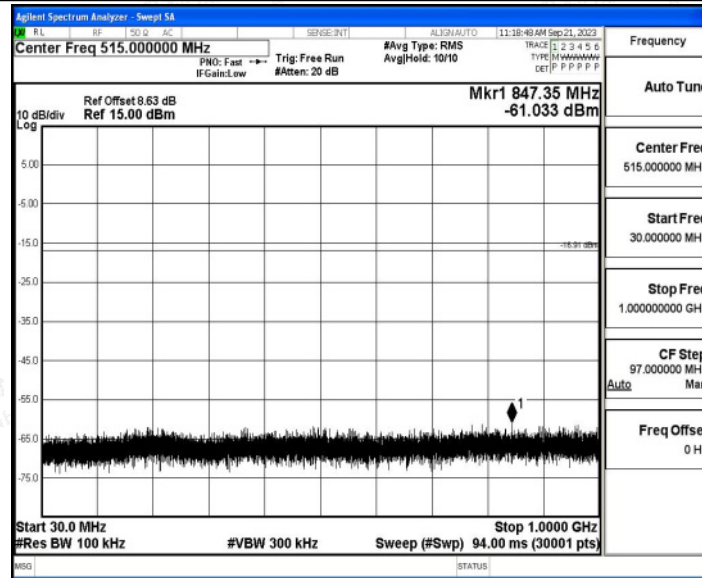


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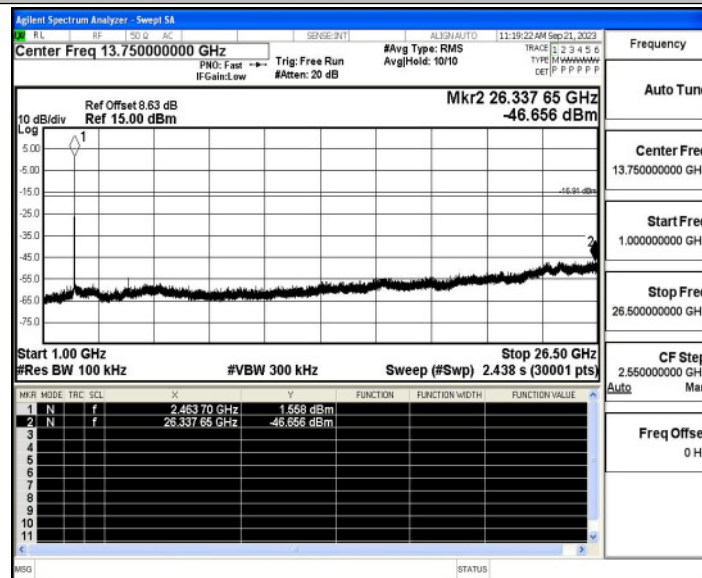
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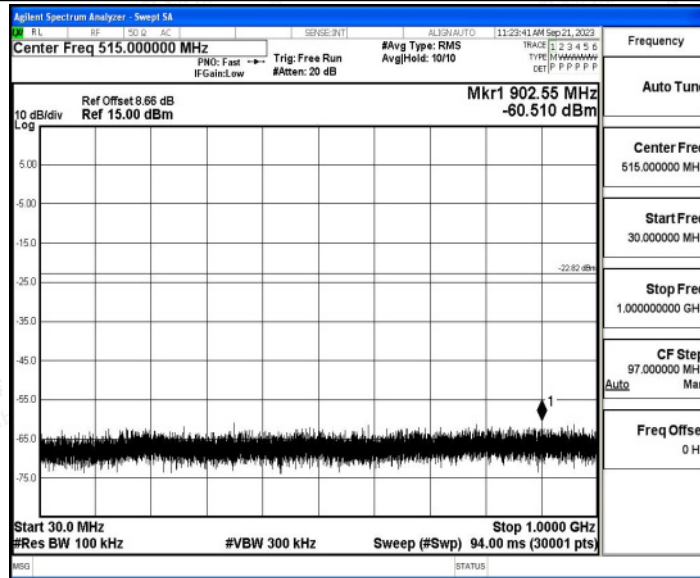


11B_Ant1_2462_1000~26500

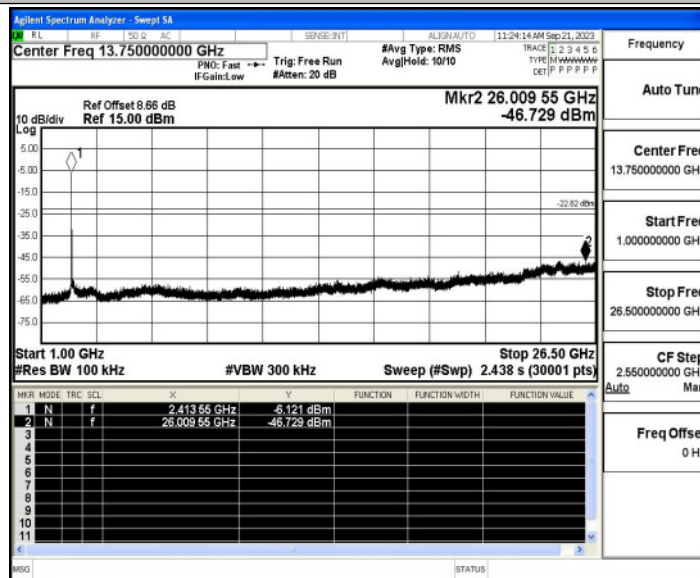


11G_Ant1_2412_30~1000



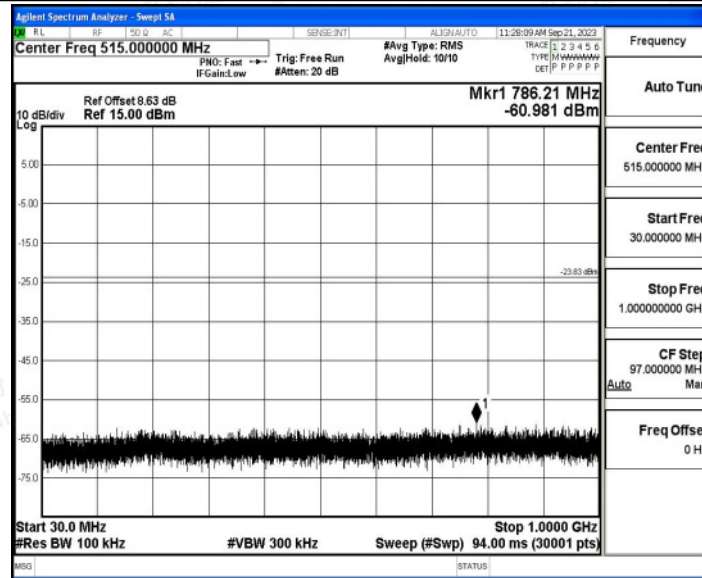


11G_Ant1_2412_1000~26500

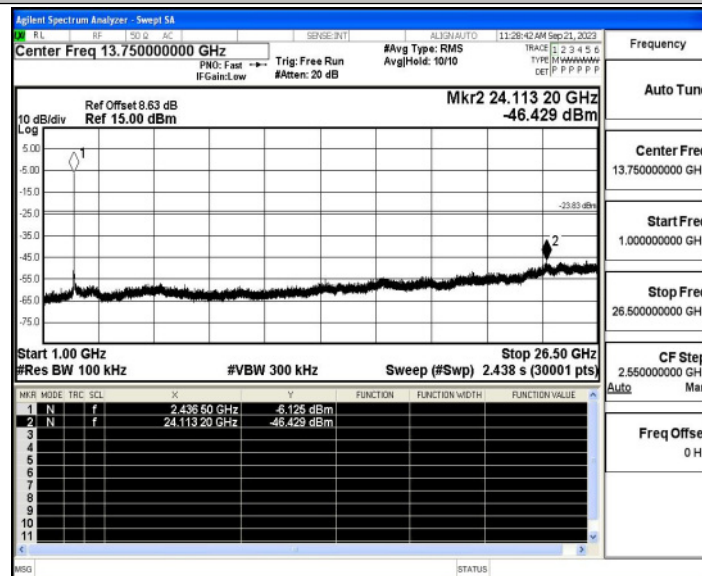


11G_Ant1_2437_30~1000





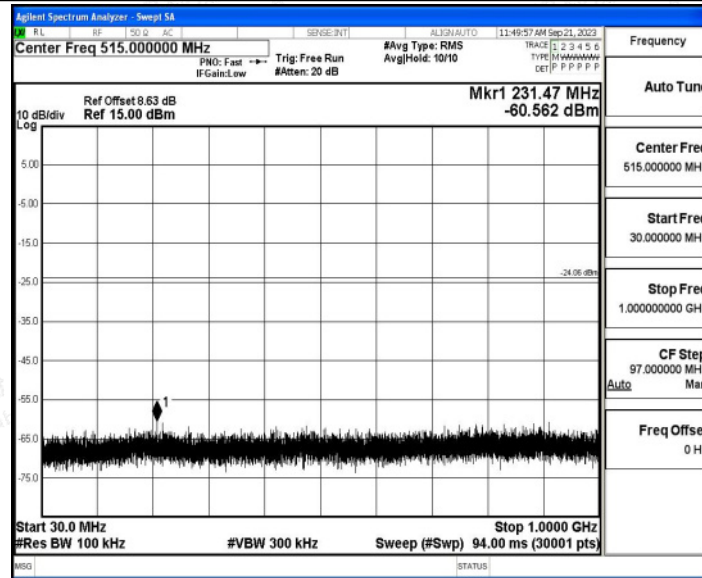
11G_Ant1_2437_1000~26500



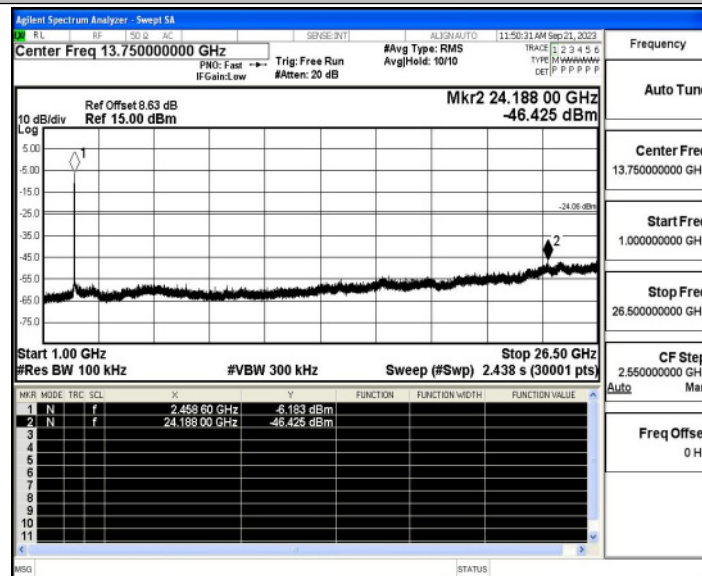
11G_Ant1_2462_30~1000



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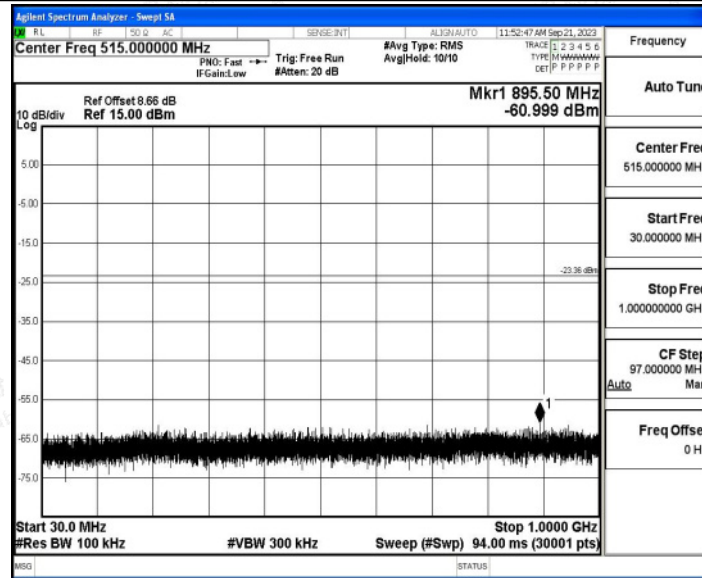


11G_Ant1_2462_1000~26500

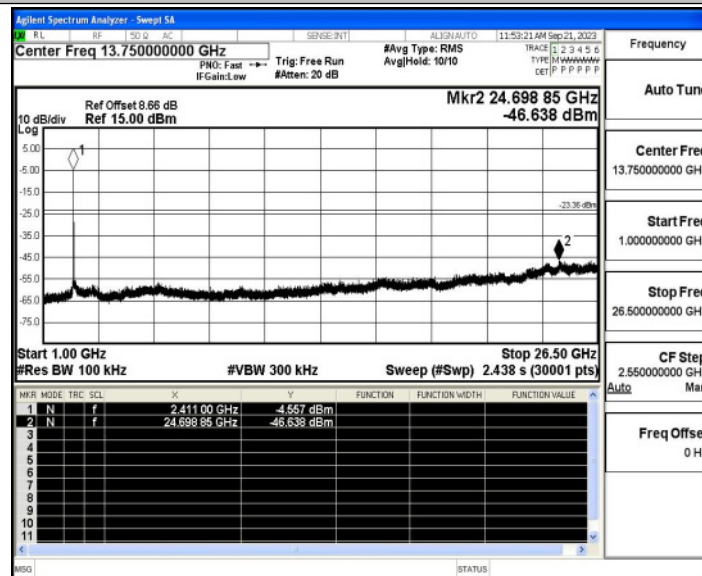


11N20SISO_Ant1_2412_30~1000



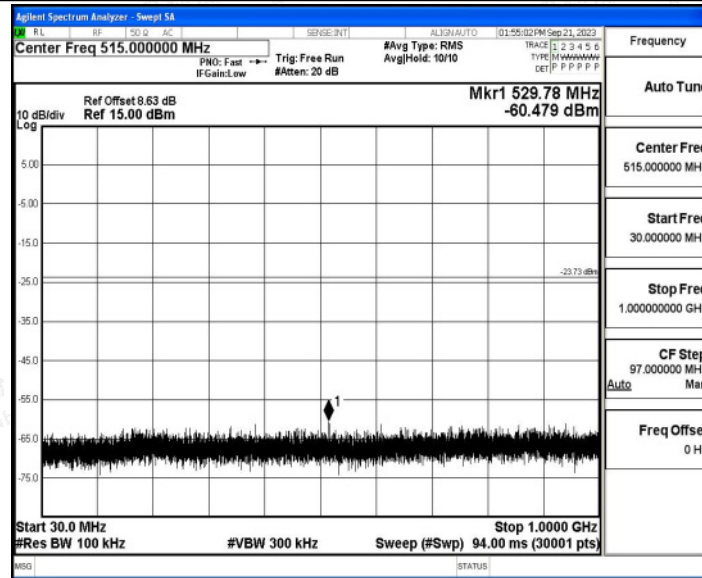


11N20SISO_Ant1_2412_1000~26500

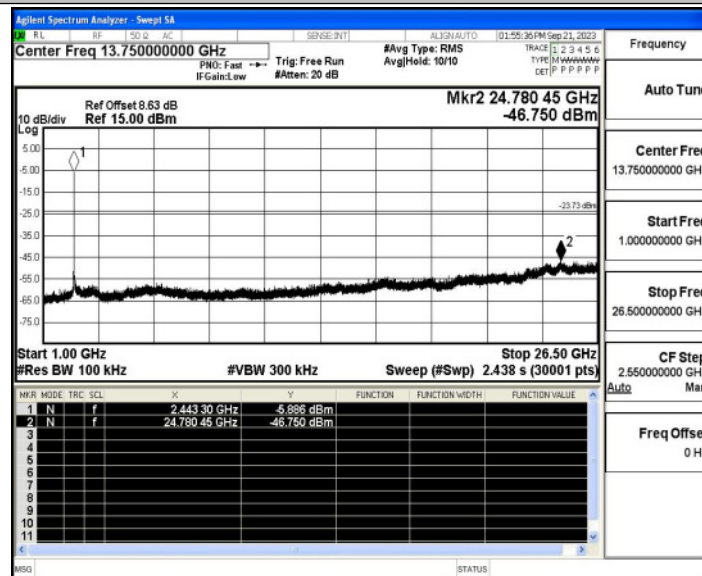


11N20SISO_Ant1_2437_30~1000





11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_30~1000



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