



Appendix C

RF Test Data for 2.4GWIFI(Conducted Measurement)

Product Name: Tablet

Test Model: G12

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
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	6.560	2409.440	2416.000	0.5	PASS
		2437	8.560	2432.480	2441.040	0.5	PASS
		2462	6.600	2457.960	2464.560	0.5	PASS
11G	Ant1	2412	8.800	2409.440	2418.240	0.5	PASS
		2437	14.840	2429.720	2444.560	0.5	PASS
		2462	7.960	2456.920	2464.880	0.5	PASS
11N20SISO	Ant1	2412	11.280	2408.240	2419.520	0.5	PASS
		2437	17.160	2428.360	2445.520	0.5	PASS
		2462	7.800	2458.000	2465.800	0.5	PASS
11N40SISO	Ant1	2422	15.120	2410.640	2425.760	0.5	PASS
		2437	36.400	2418.760	2455.160	0.5	PASS
		2452	16.320	2449.440	2465.760	0.5	PASS



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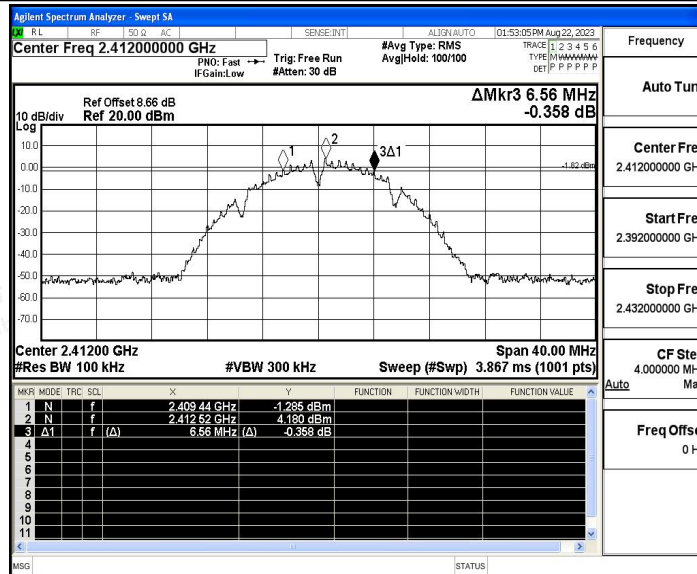
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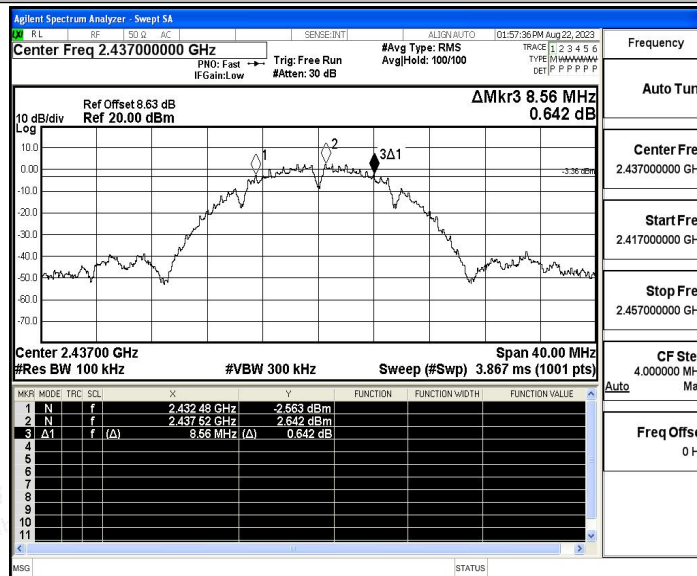


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

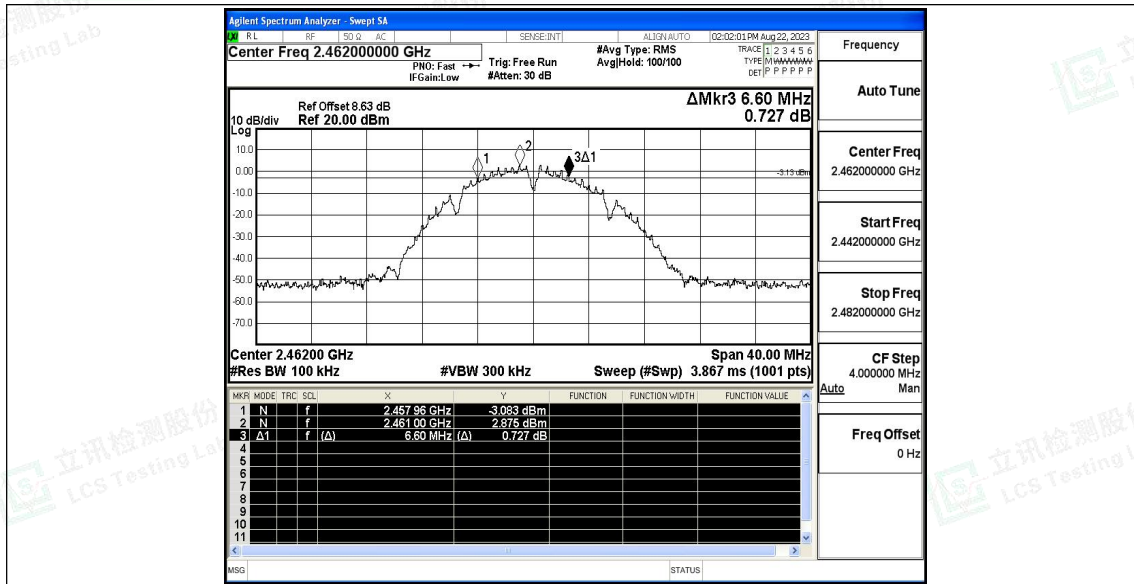


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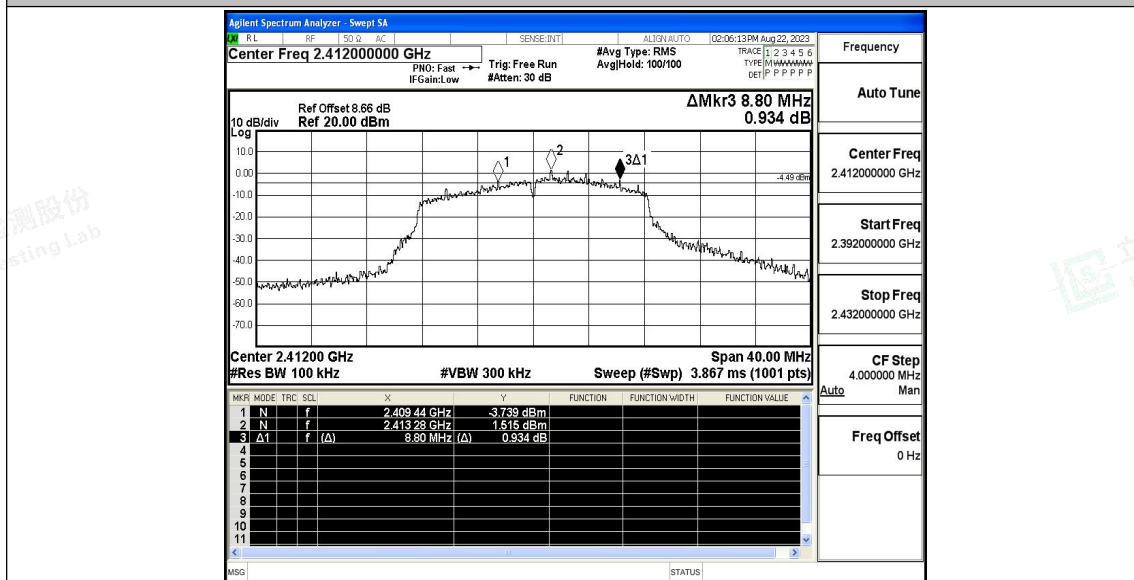
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11G_Ant1_2412



11G_Ant1_2437

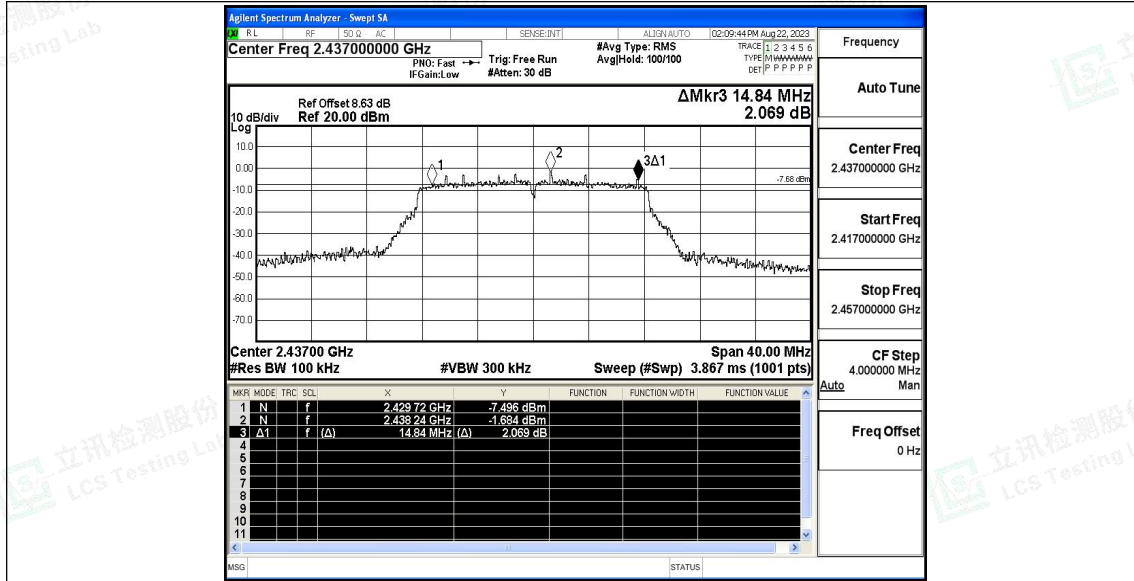


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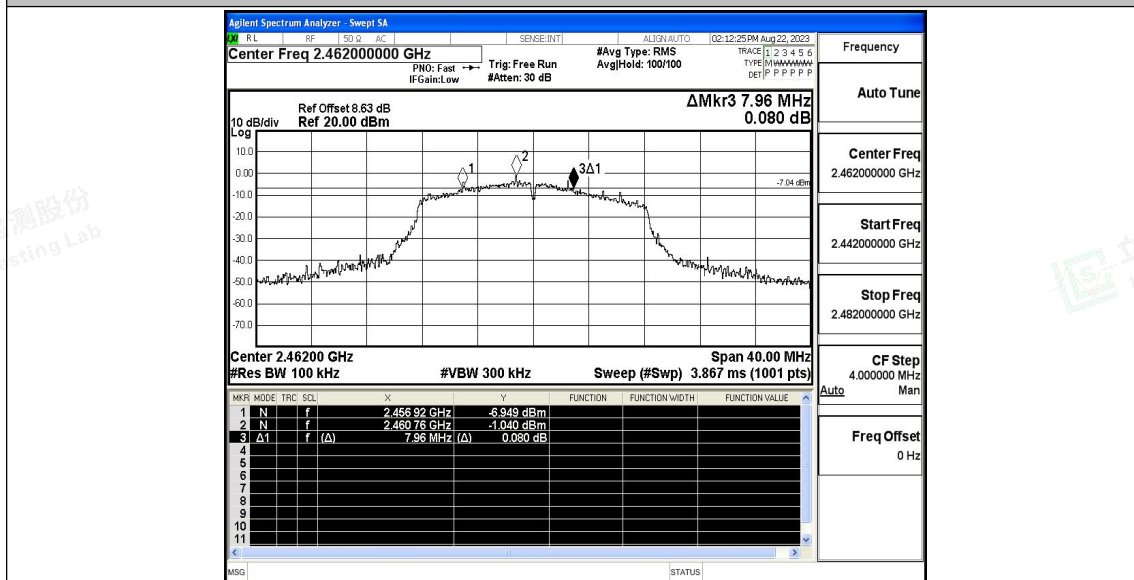
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11G_Ant1_2462



11N20SISO_Ant1_2412

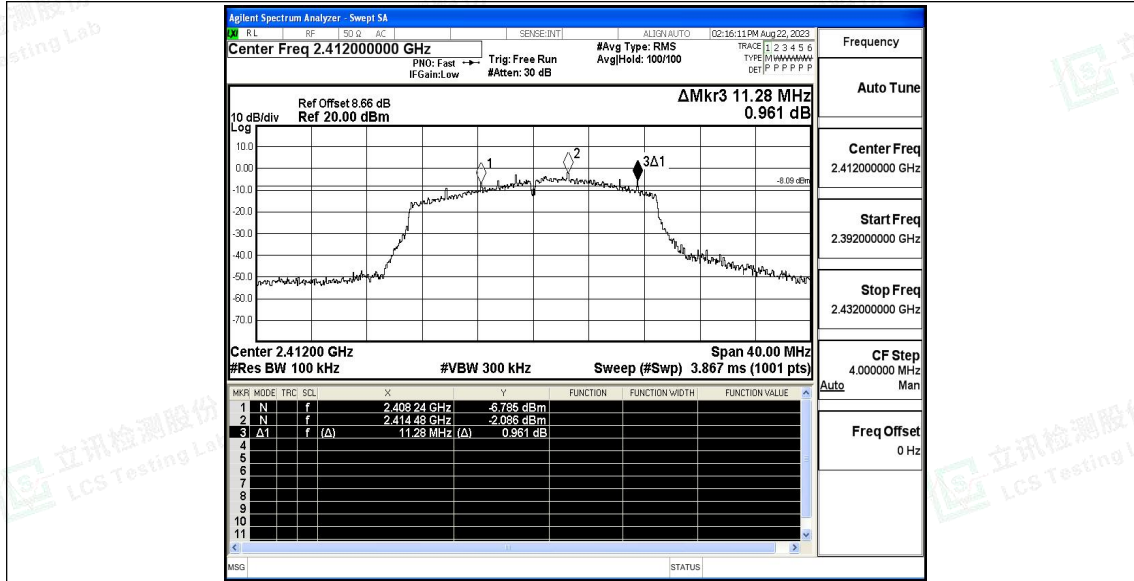


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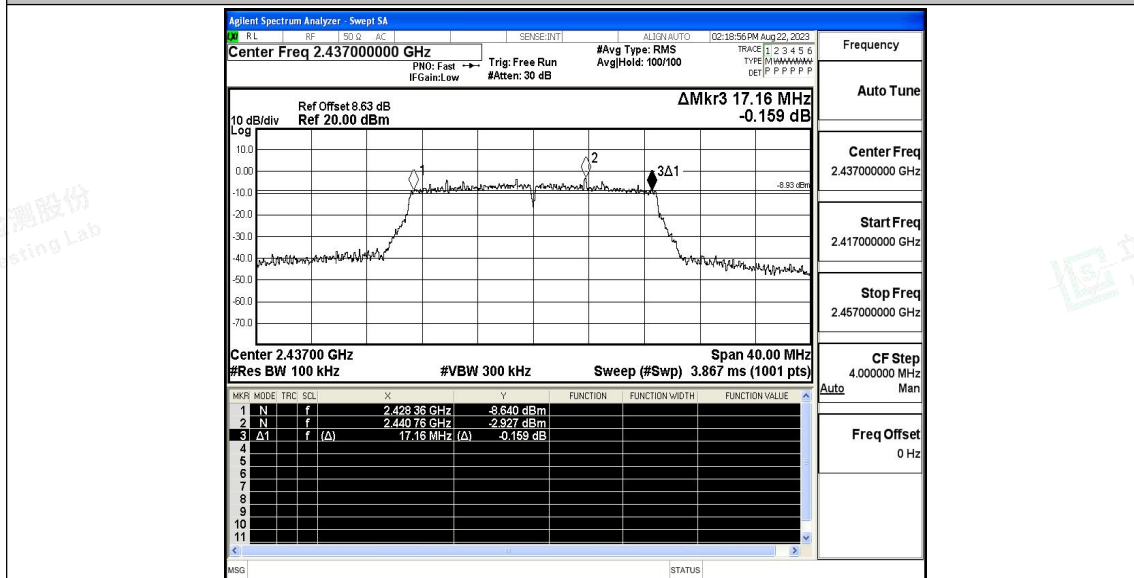
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

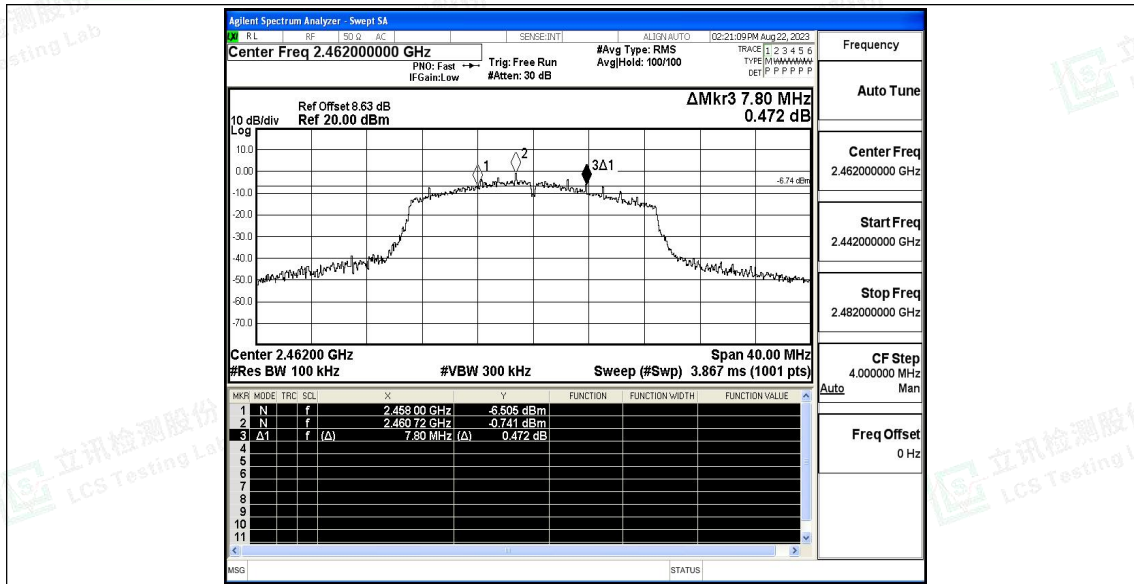


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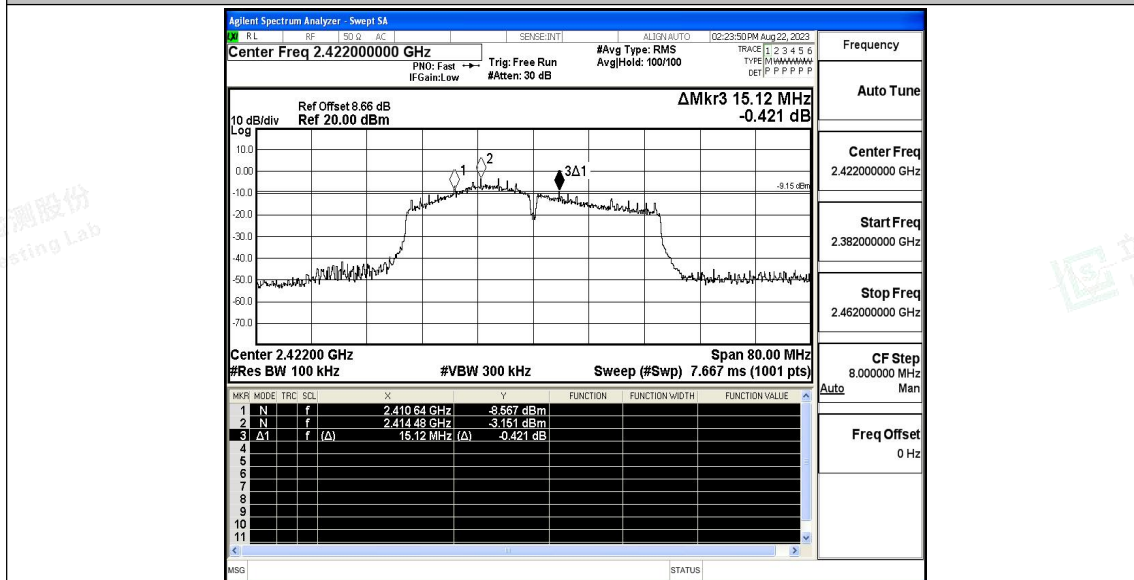
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11N40SISO_Ant1_2422



11N40SISO_Ant1_2437

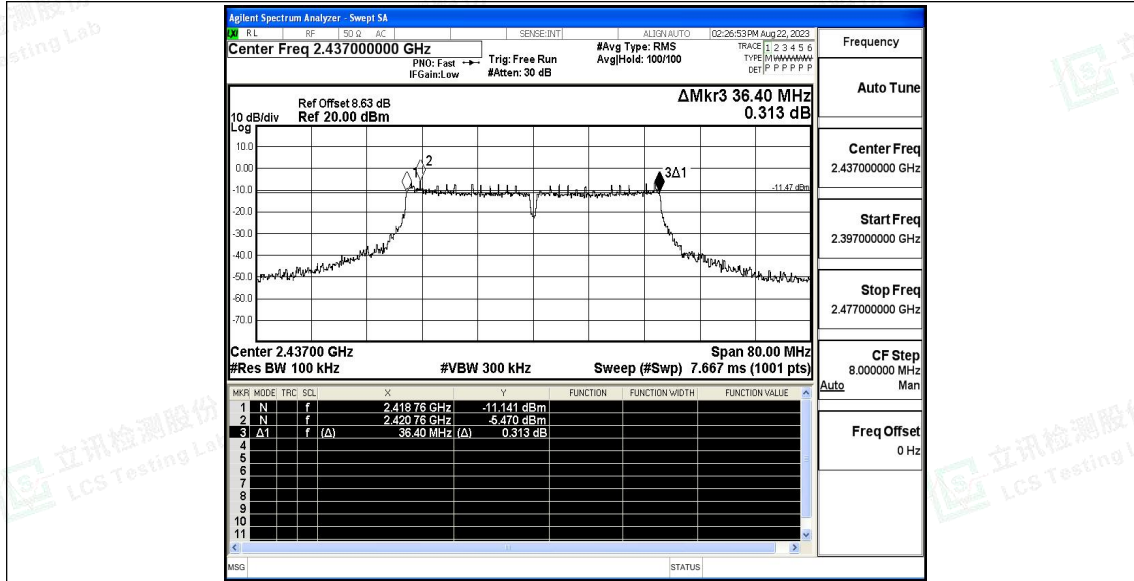


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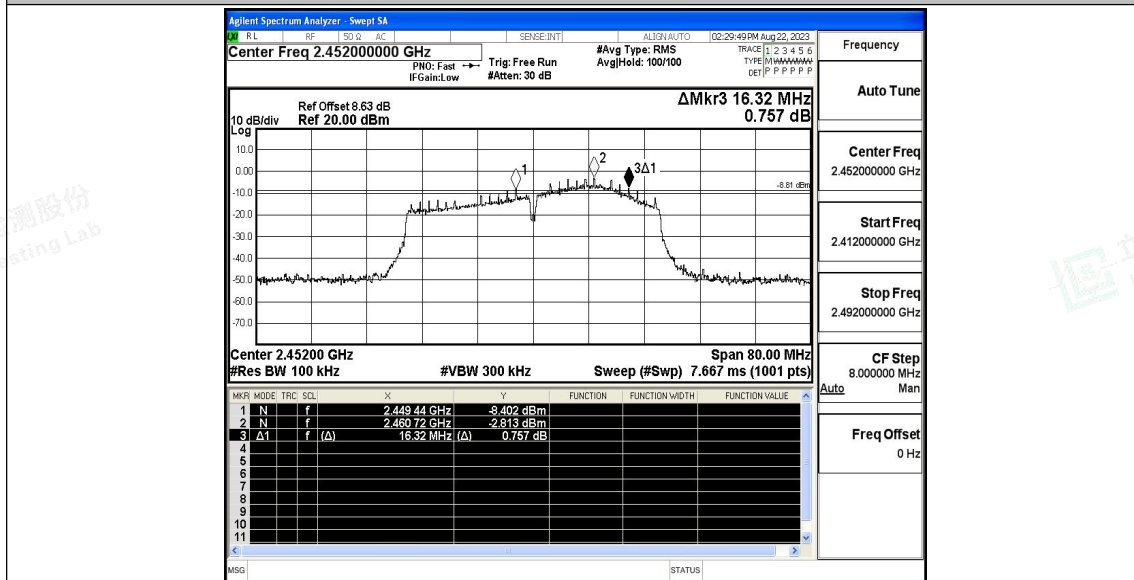
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11N40SISO_Ant1_2452



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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	14.26	≤30.00	PASS
		2437	14.52	≤30.00	PASS
		2462	13.69	≤30.00	PASS
11G	Ant1	2412	14.37	≤30.00	PASS
		2437	15.04	≤30.00	PASS
		2462	14.09	≤30.00	PASS
11N20SISO	Ant1	2412	14.16	≤30.00	PASS
		2437	14.94	≤30.00	PASS
		2462	14.07	≤30.00	PASS
11N40SISO	Ant1	2422	13.83	≤30.00	PASS
		2437	13.89	≤30.00	PASS
		2452	13.80	≤30.00	PASS



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C.3 Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-9.03	≤8.00	PASS
		2437	-10.63	≤8.00	PASS
		2462	-10.8	≤8.00	PASS
11G	Ant1	2412	-14.18	≤8.00	PASS
		2437	-16.53	≤8.00	PASS
		2462	-14.5	≤8.00	PASS
11N20SISO	Ant1	2412	-14.49	≤8.00	PASS
		2437	-16.69	≤8.00	PASS
		2462	-15.38	≤8.00	PASS
11N40SISO	Ant1	2422	-16.51	≤8.00	PASS
		2437	-20.21	≤8.00	PASS
		2452	-17.58	≤8.00	PASS



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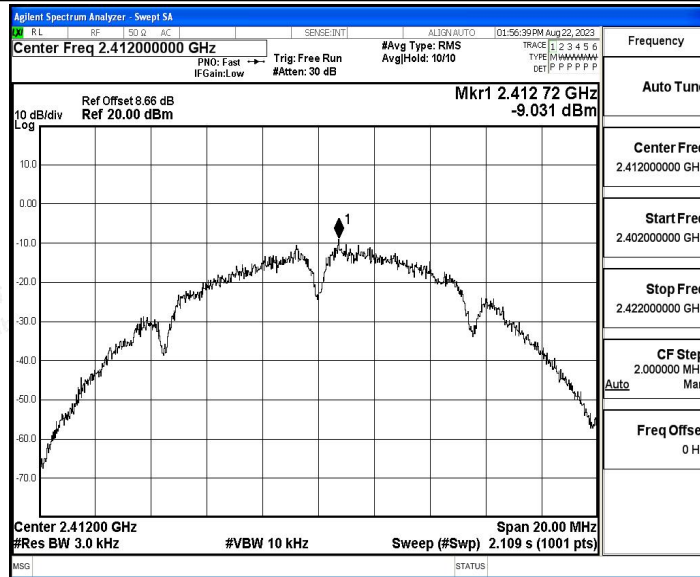
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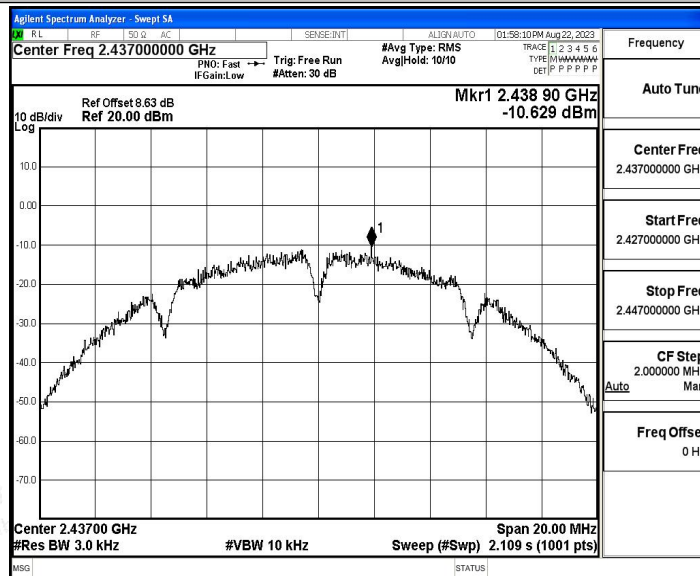


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

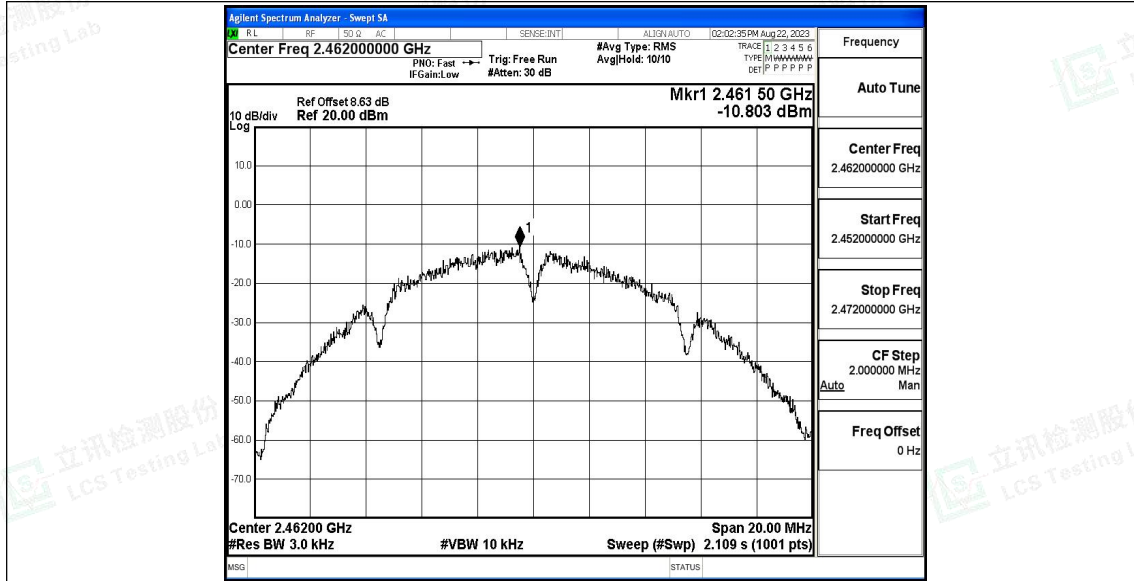


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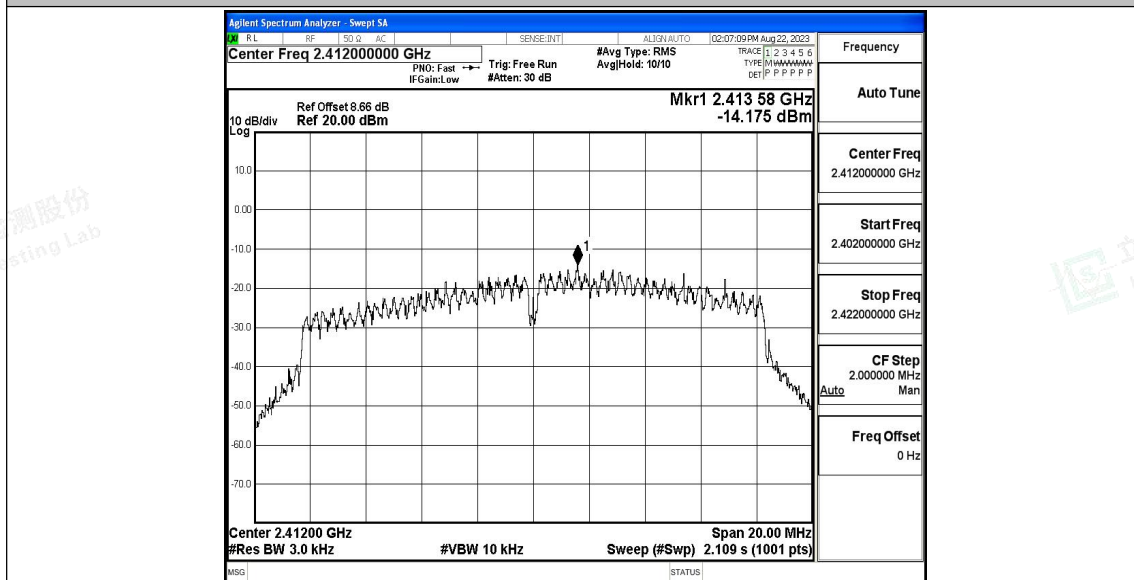
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11G_Ant1_2412



11G_Ant1_2437

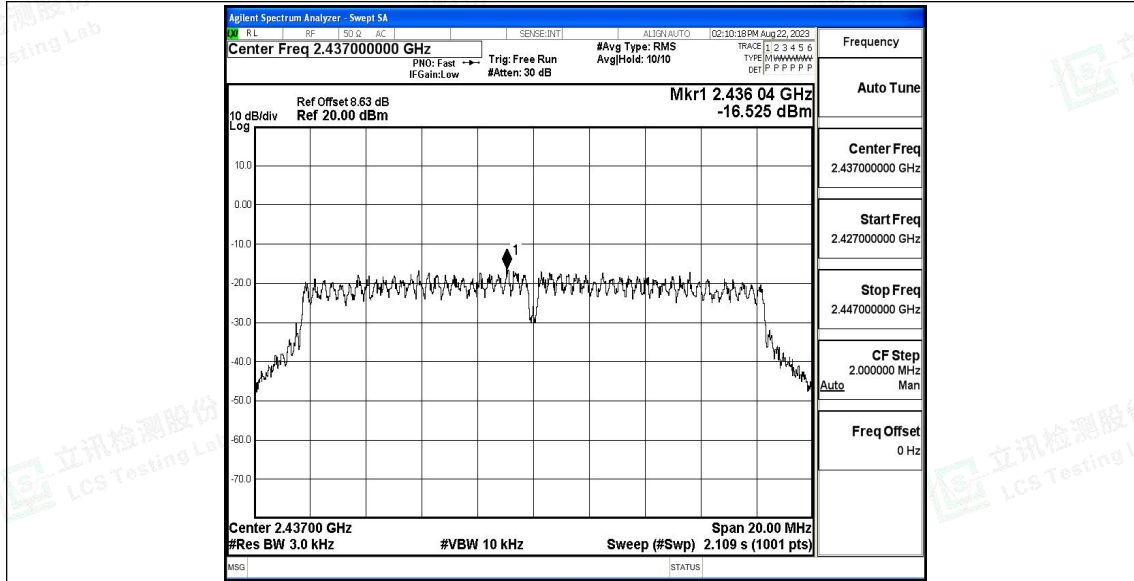


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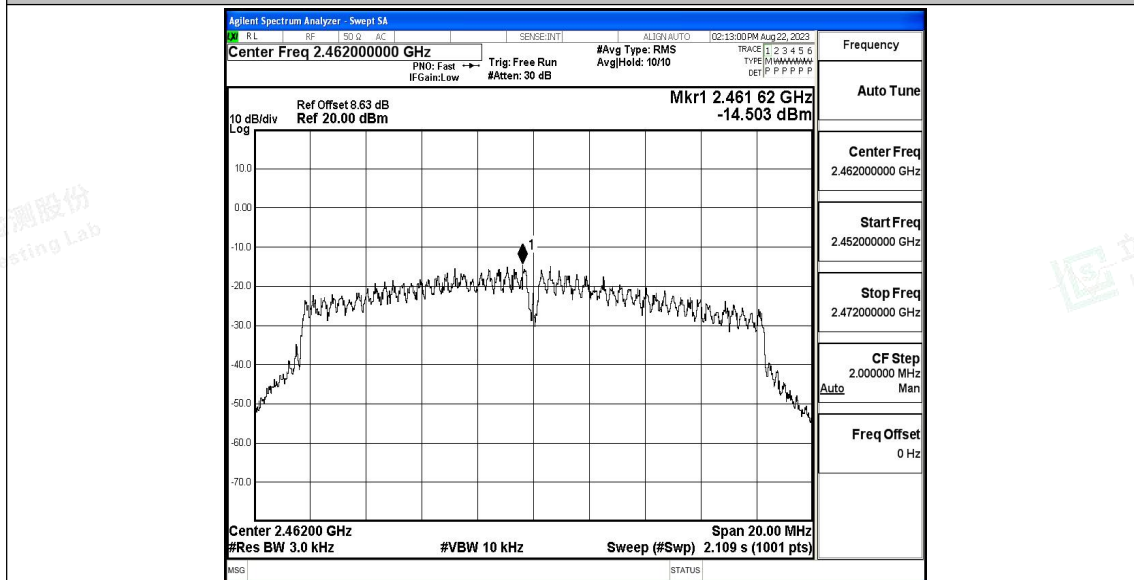
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11G_Ant1_2462



11N20SISO_Ant1_2412

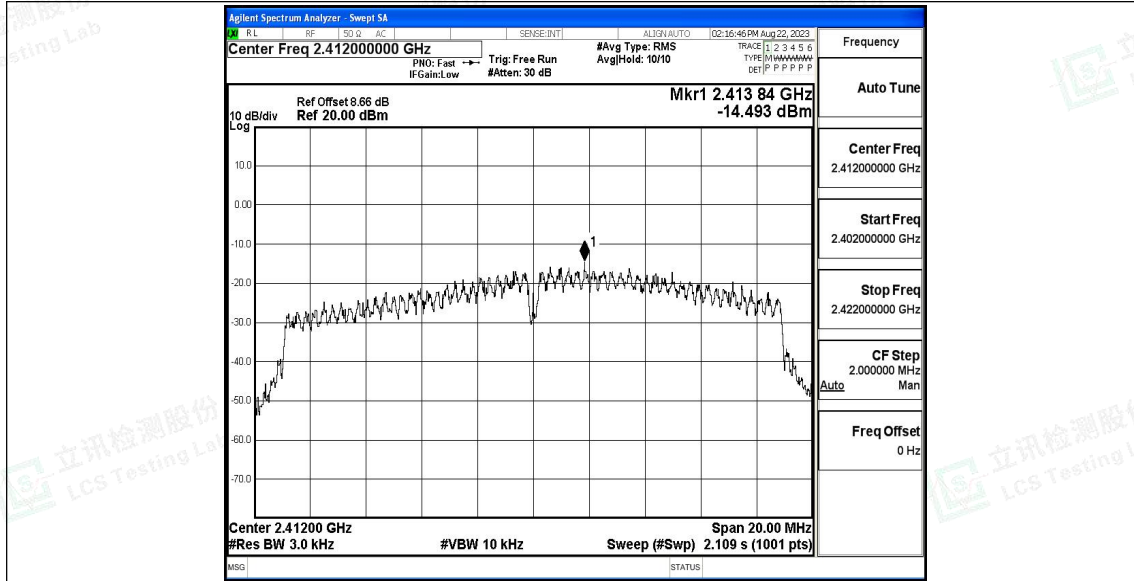


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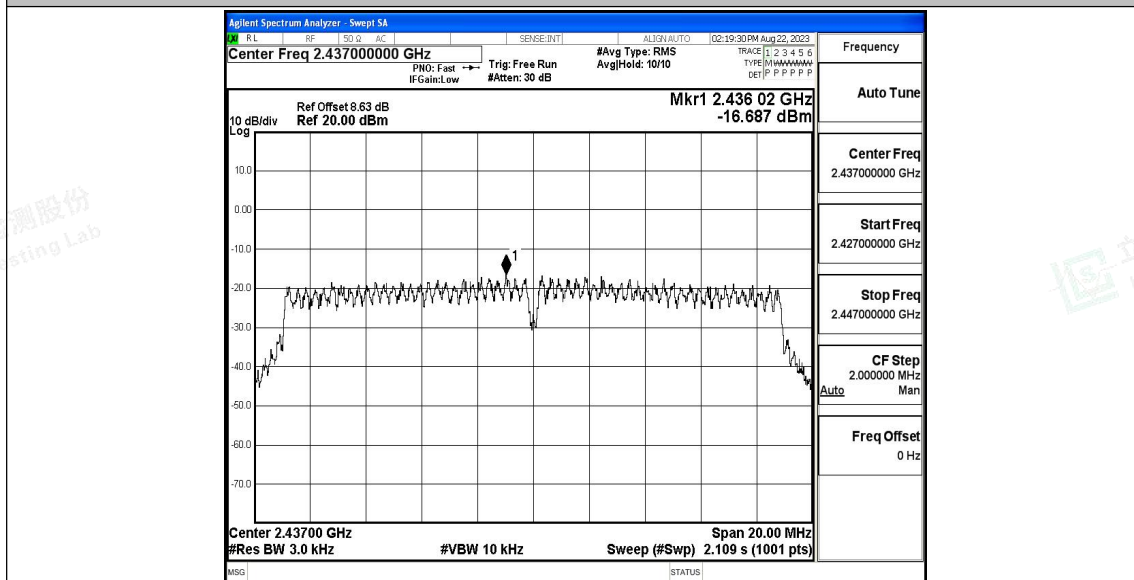
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

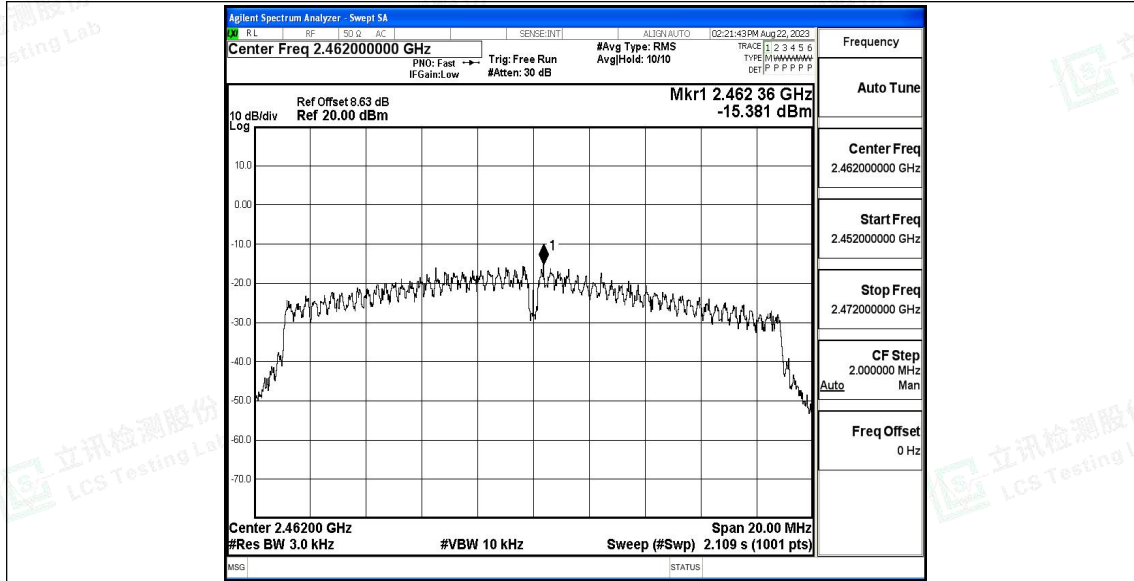


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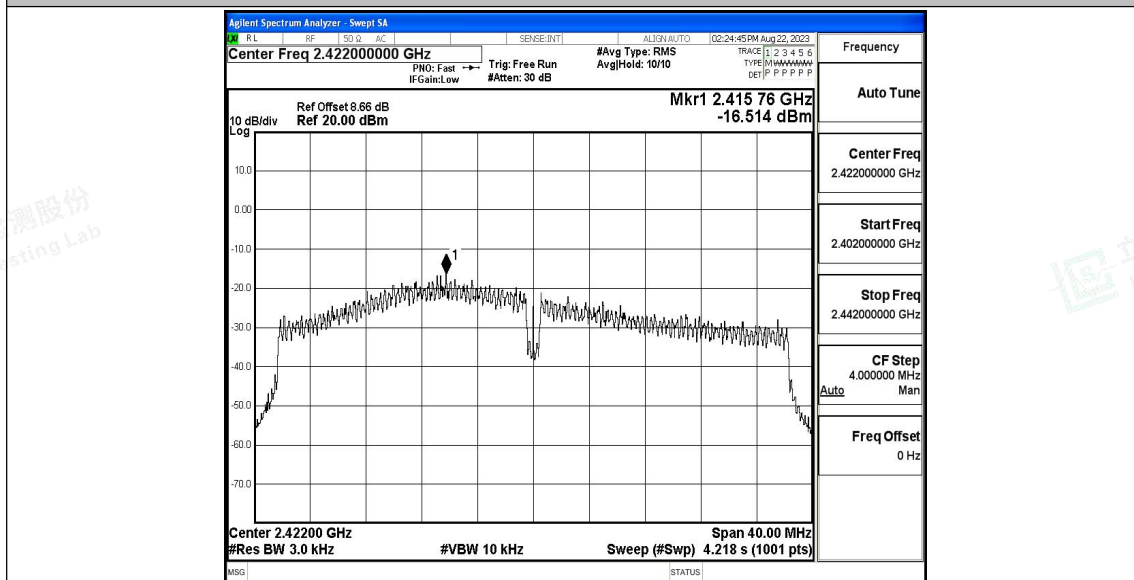
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11N40SISO_Ant1_2422



11N40SISO_Ant1_2437

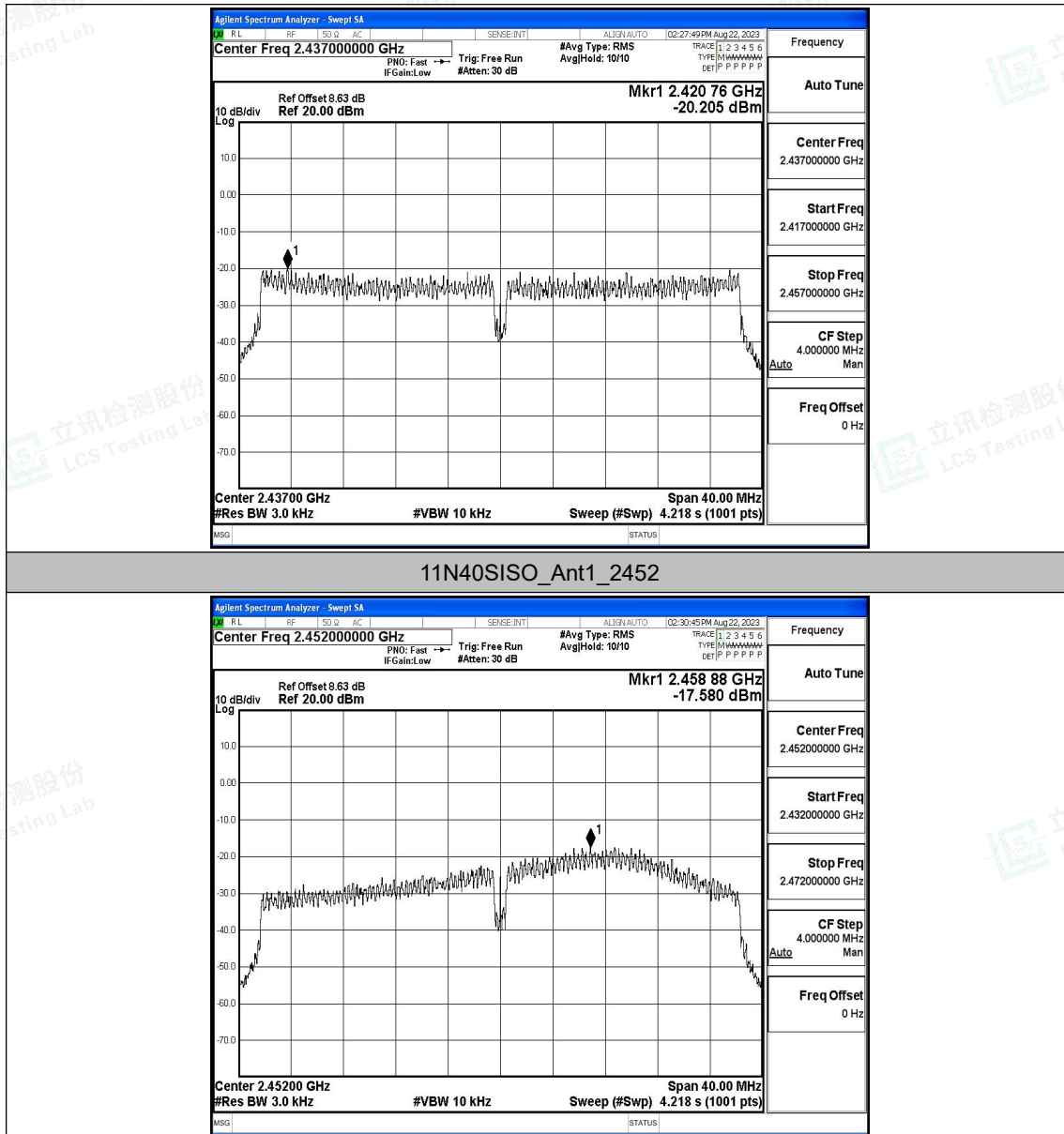


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C.4 Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.83	-49.48	≤-18.17	PASS
		High	2462	2.98	-47.72	≤-17.02	PASS
11G	Ant1	Low	2412	-2.65	-48.91	≤-22.65	PASS
		High	2462	-2.38	-48.43	≤-22.38	PASS
11N20SISO	Ant1	Low	2412	-1.54	-48.74	≤-21.54	PASS
		High	2462	-1.47	-48.08	≤-21.47	PASS
11N40SISO	Ant1	Low	2422	-2.79	-41.87	≤-22.79	PASS
		High	2452	-3.04	-46.24	≤-23.04	PASS



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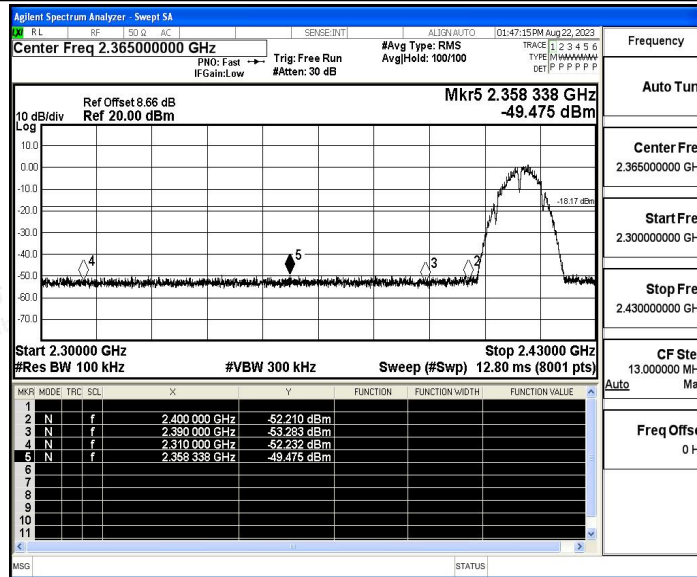
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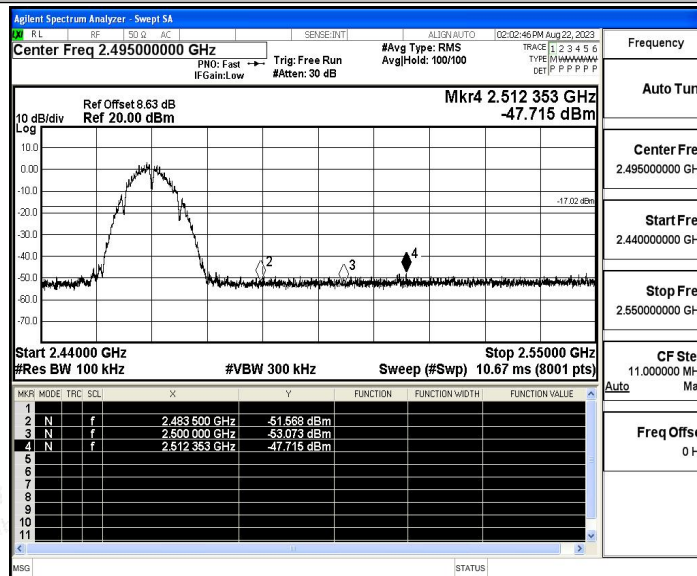


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

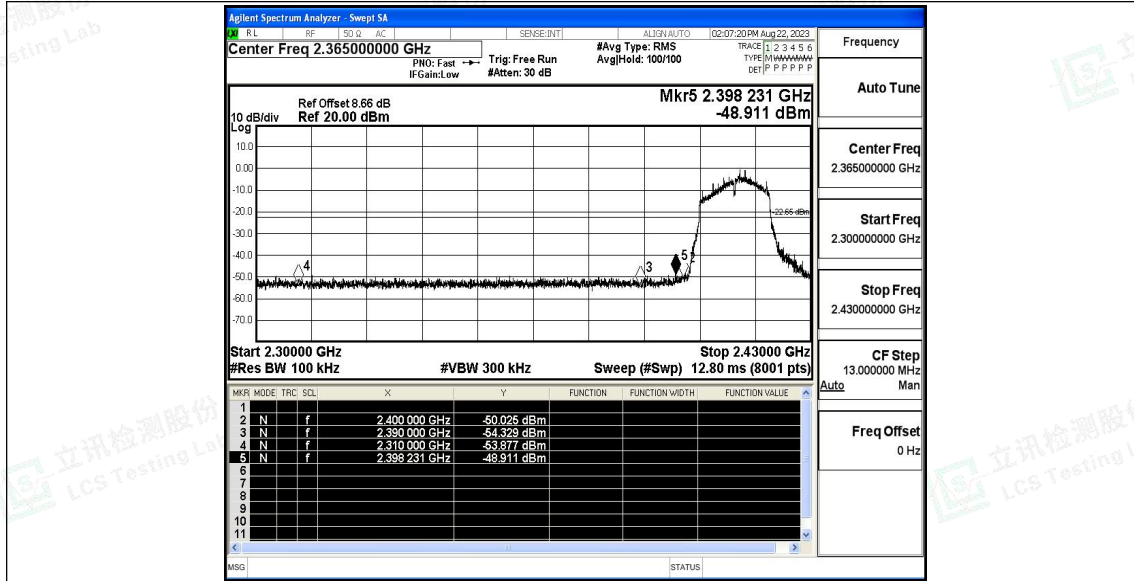


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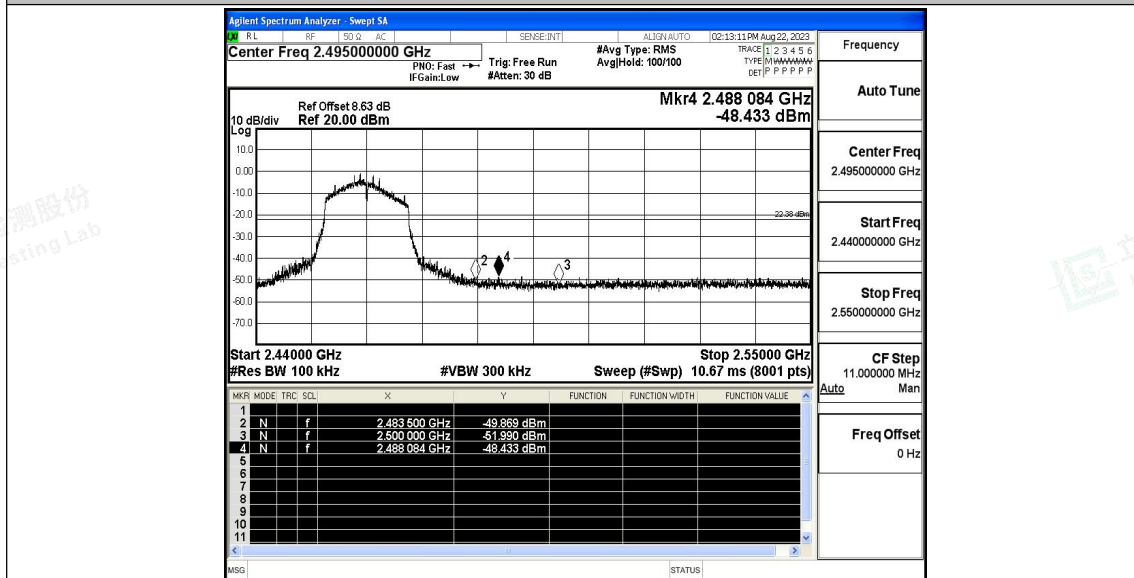
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11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412

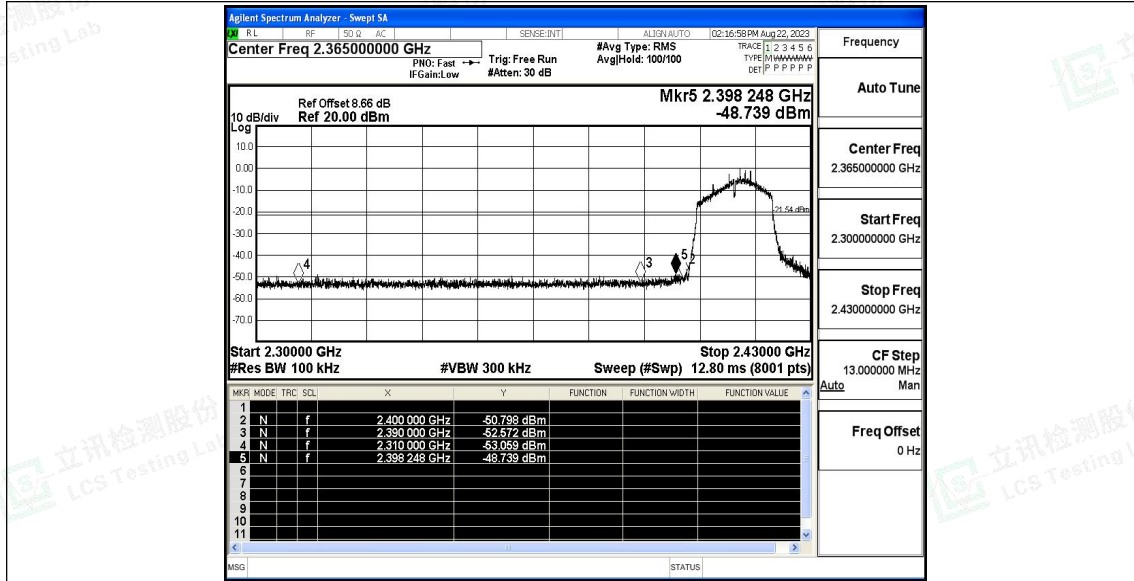


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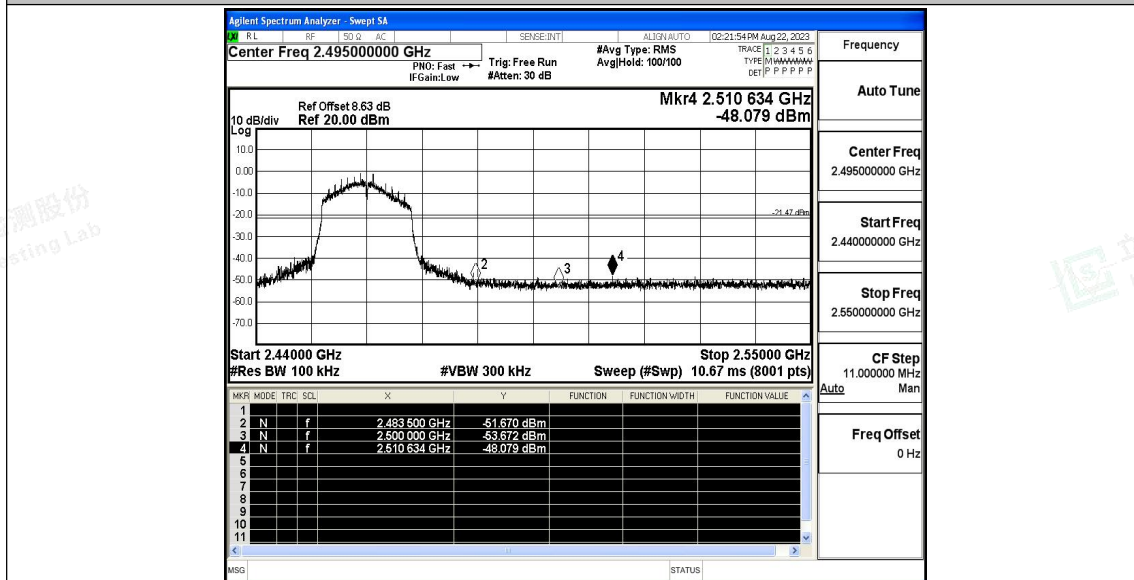
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11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422

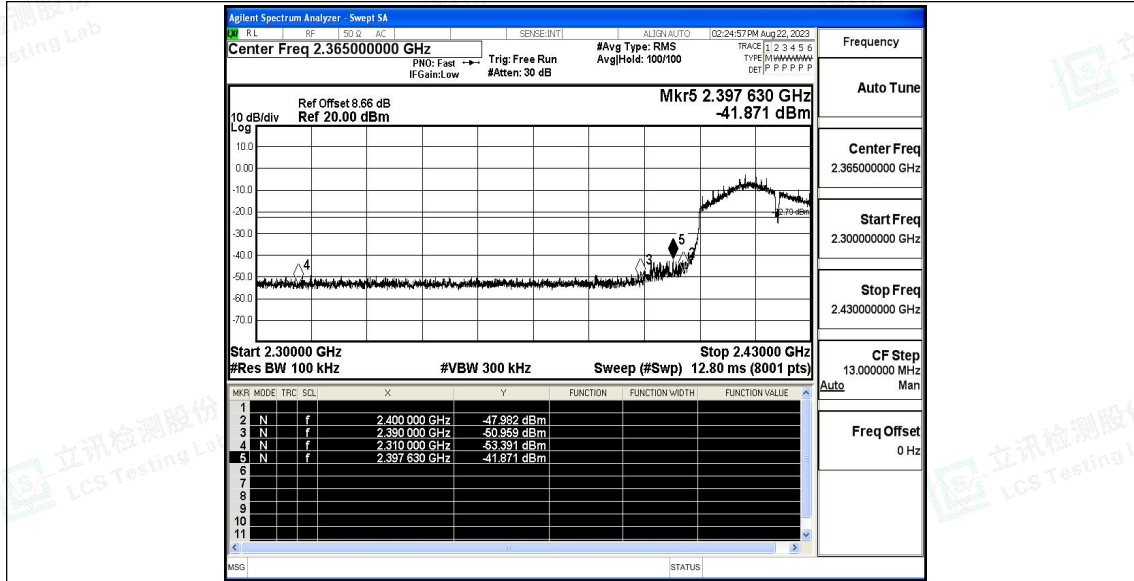


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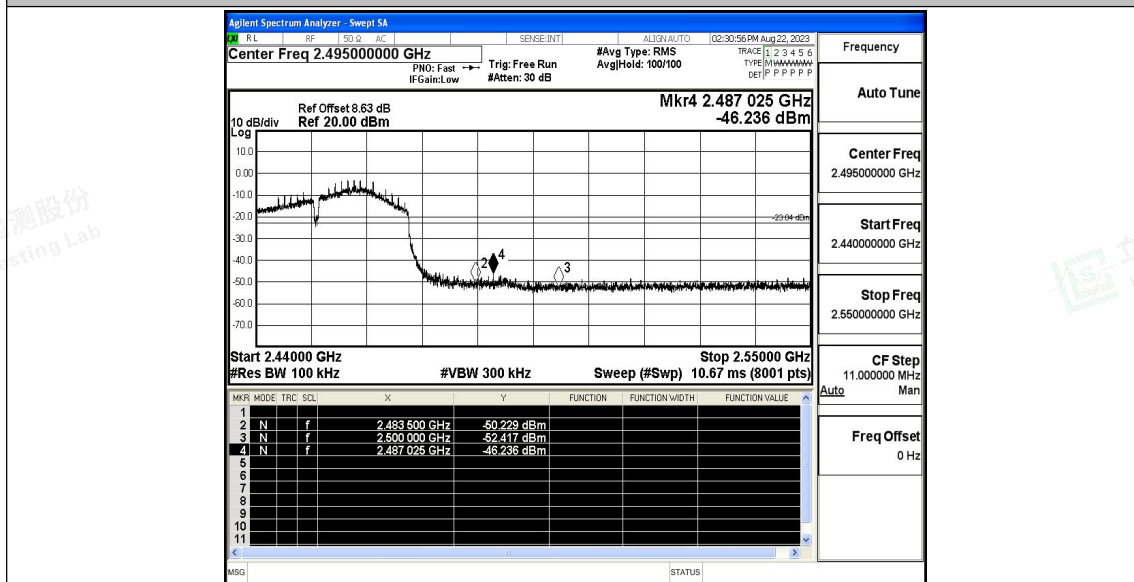
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11N40SISO_Ant1_High_2452



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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	1.83	-61.45	≤-18.17	PASS
			1000~26500	1.83	-46.58	≤-18.17	PASS
		2437	30~1000	3.15	-61.46	≤-16.85	PASS
			1000~26500	3.15	-43.41	≤-16.85	PASS
		2462	30~1000	2.98	-61.06	≤-17.02	PASS
			1000~26500	2.98	-46.11	≤-17.02	PASS
11G	Ant1	2412	30~1000	-2.65	-60.49	≤-22.65	PASS
			1000~26500	-2.65	-47.01	≤-22.65	PASS
		2437	30~1000	-2.88	-61.05	≤-22.88	PASS
			1000~26500	-2.88	-46.77	≤-22.88	PASS
		2462	30~1000	-2.38	-60.53	≤-22.38	PASS
			1000~26500	-2.38	-45.29	≤-22.38	PASS
11N20SISO	Ant1	2412	30~1000	-1.54	-60.53	≤-21.54	PASS
			1000~26500	-1.54	-46.86	≤-21.54	PASS
		2437	30~1000	-2.35	-61.36	≤-22.35	PASS
			1000~26500	-2.35	-46.72	≤-22.35	PASS
		2462	30~1000	-1.47	-61.45	≤-21.47	PASS
			1000~26500	-1.47	-47.08	≤-21.47	PASS
11N40SISO	Ant1	2422	30~1000	-2.79	-60.51	≤-22.79	PASS
			1000~26500	-2.79	-46.6	≤-22.79	PASS
		2437	30~1000	-5.50	-61.48	≤-25.5	PASS
			1000~26500	-5.50	-46.77	≤-25.5	PASS
		2452	30~1000	-3.04	-61.27	≤-23.04	PASS
			1000~26500	-3.04	-47.09	≤-23.04	PASS



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