



Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Tablet Pc

Test Model: P81L

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li huan





C.1 6dB Bandwidth

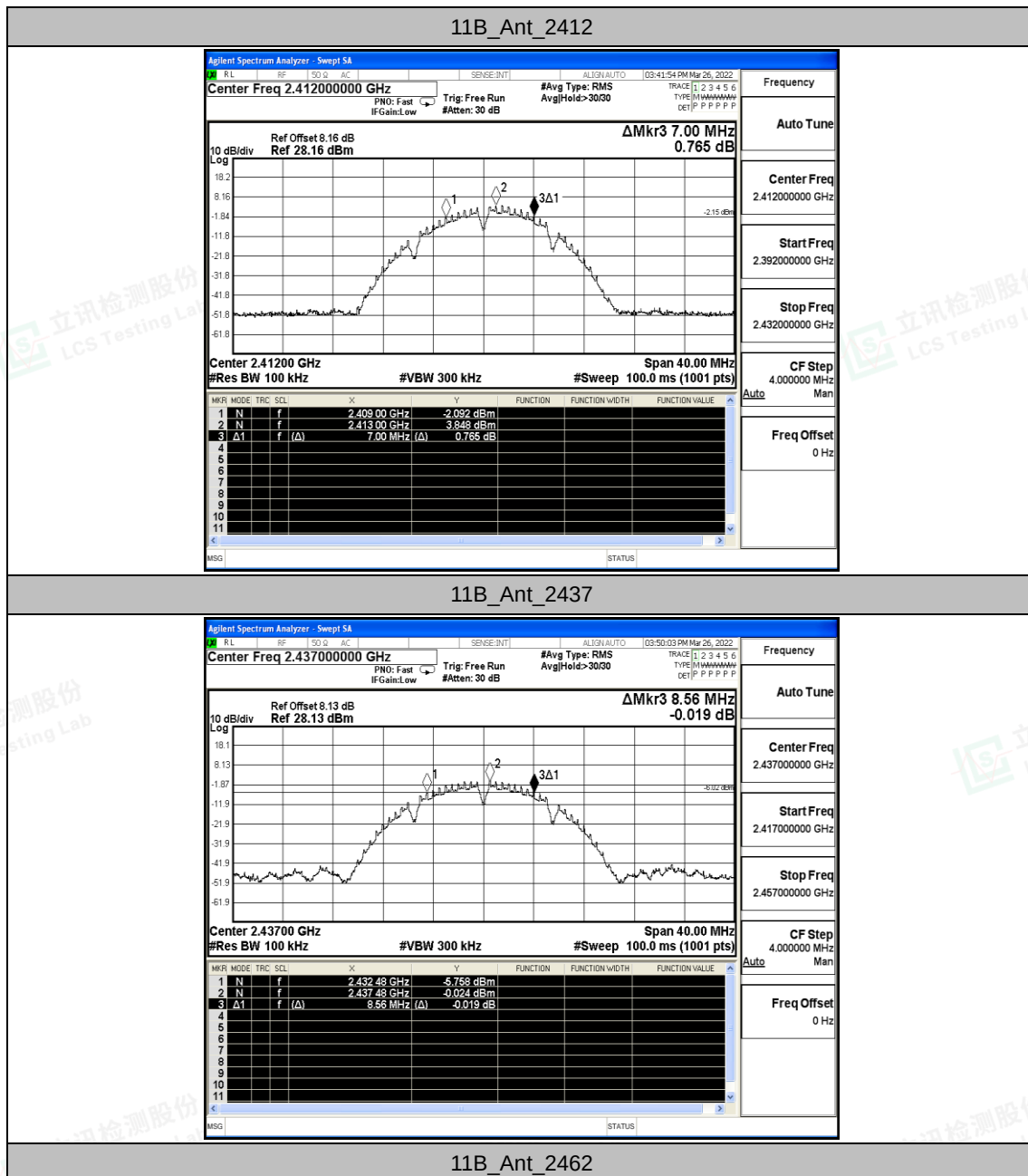
Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant	2412	7.000	2409.000	2416.000	0.5	PASS
		2437	8.560	2432.480	2441.040	0.5	PASS
		2462	6.560	2458.480	2465.040	0.5	PASS
11G	Ant	2412	10.520	2408.720	2419.240	0.5	PASS
		2437	16.440	2428.720	2445.160	0.5	PASS
		2462	10.520	2456.120	2466.640	0.5	PASS
11N20SISO	Ant	2412	10.760	2408.480	2419.240	0.5	PASS
		2437	17.720	2428.120	2445.840	0.5	PASS
		2462	9.840	2456.760	2466.600	0.5	PASS
11N40SISO	Ant	2422	14.080	2409.520	2423.600	0.5	PASS
		2437	36.480	2418.680	2455.160	0.5	PASS
		2452	13.200	2453.520	2466.720	0.5	PASS





Test Graphs

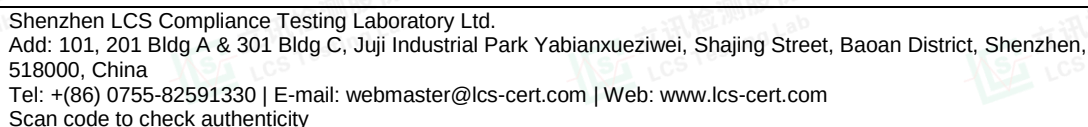
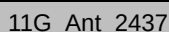
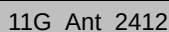


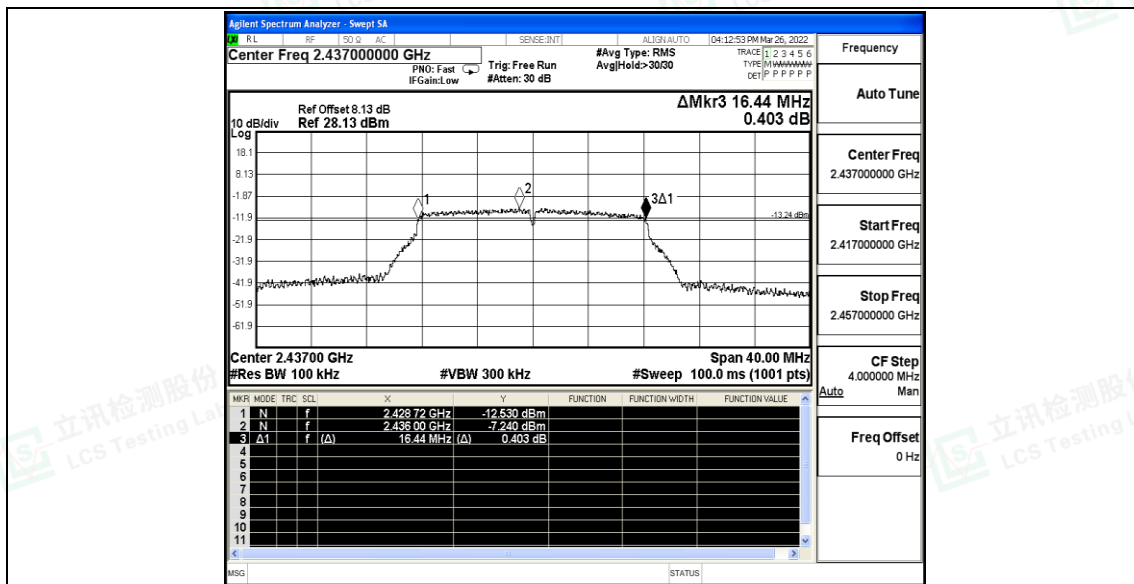
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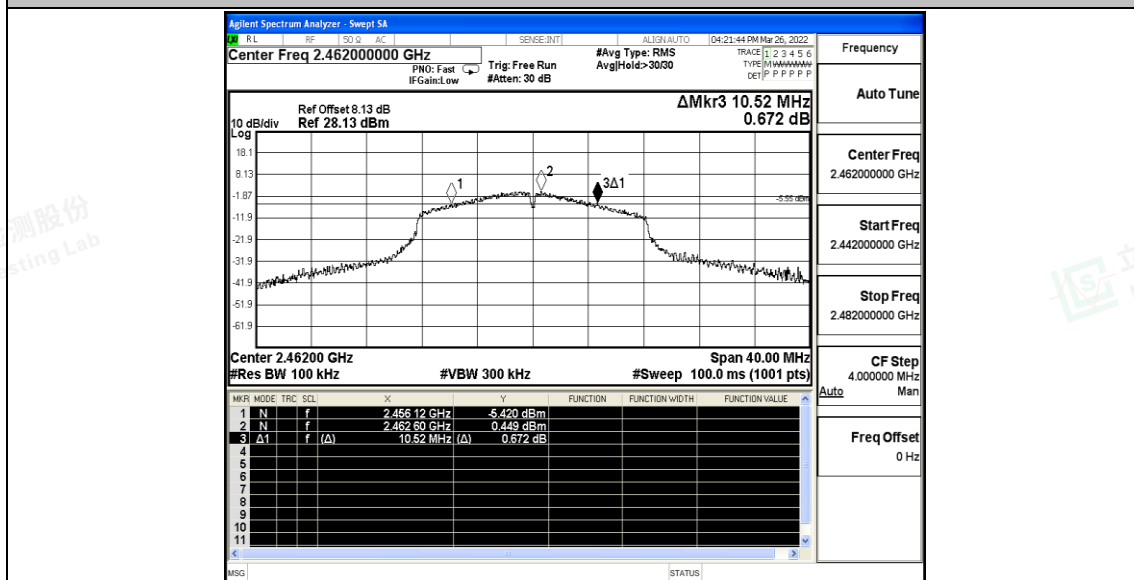
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11G_Ant_2462



11N20SISO_Ant_2412

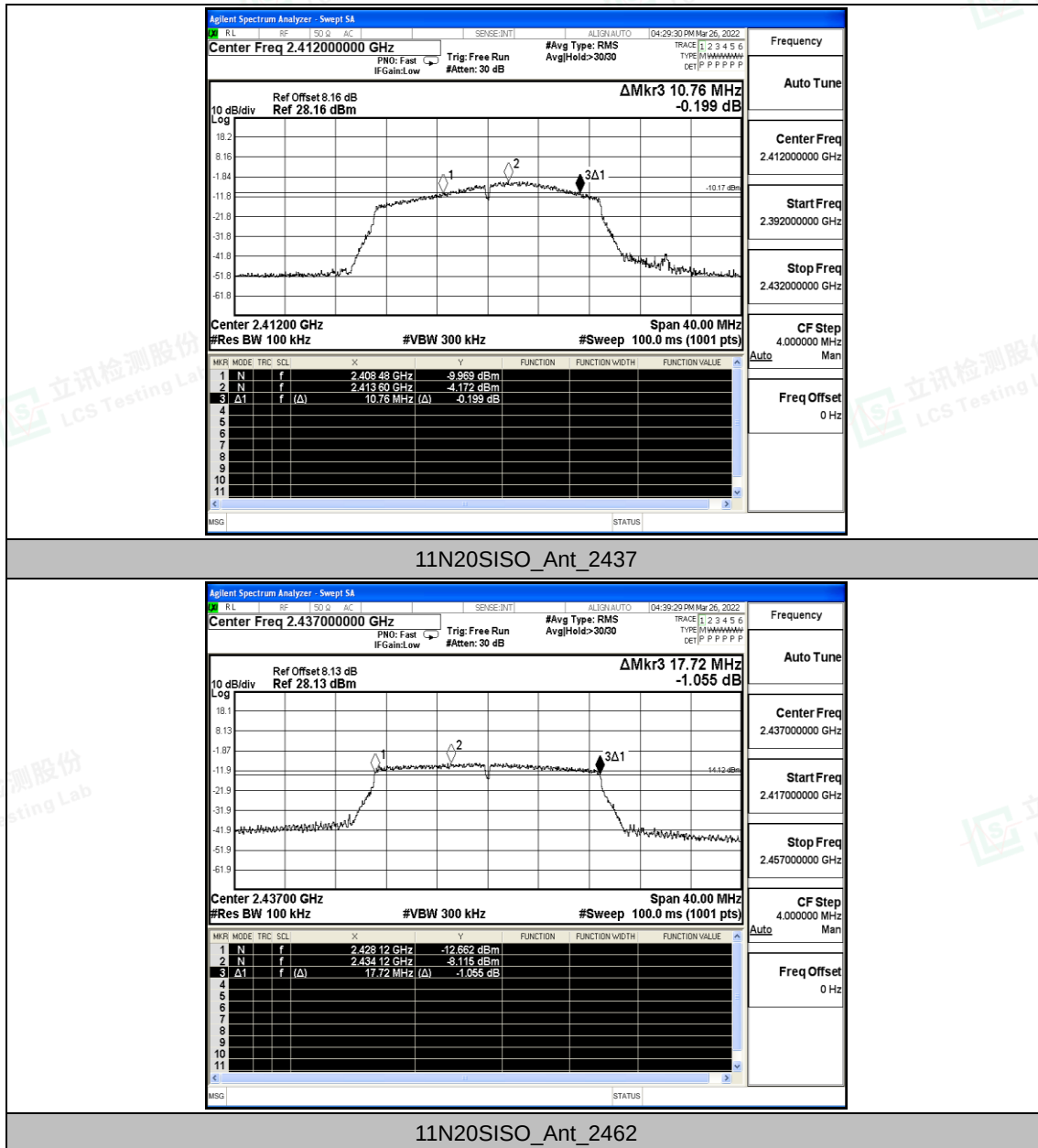


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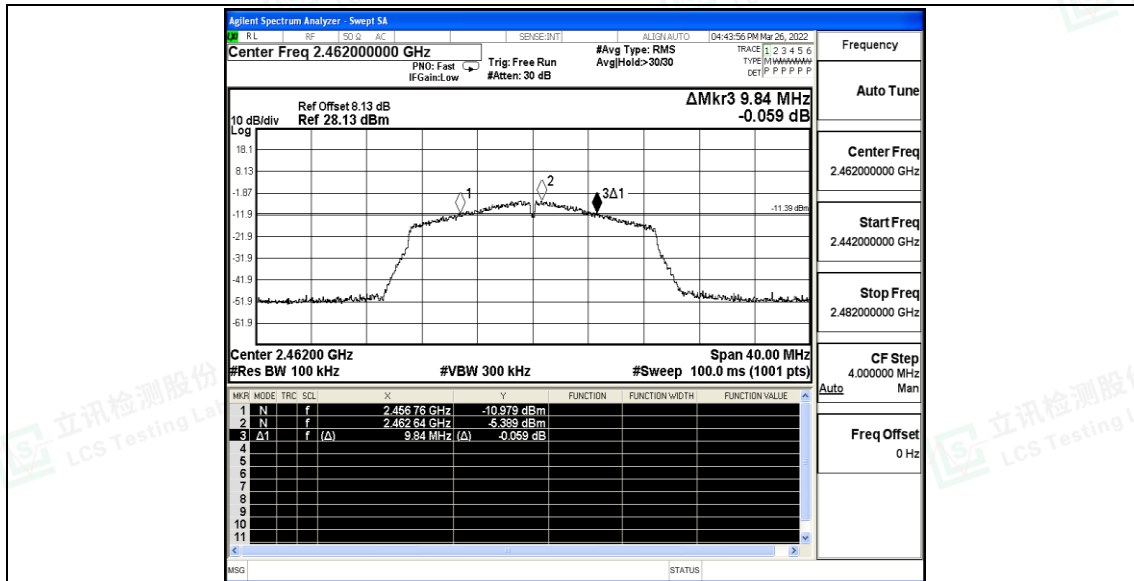


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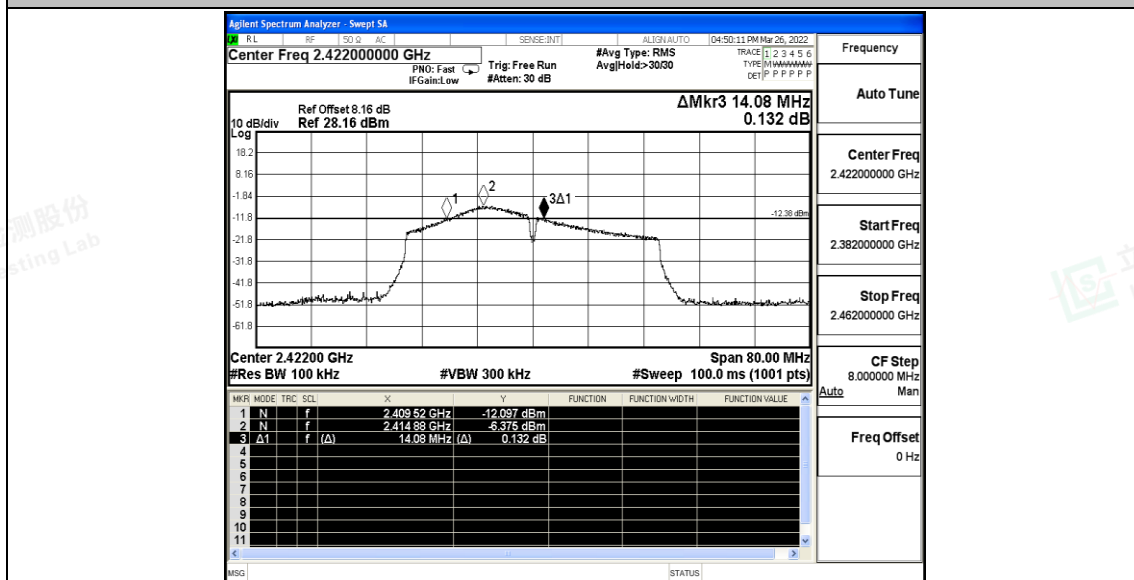
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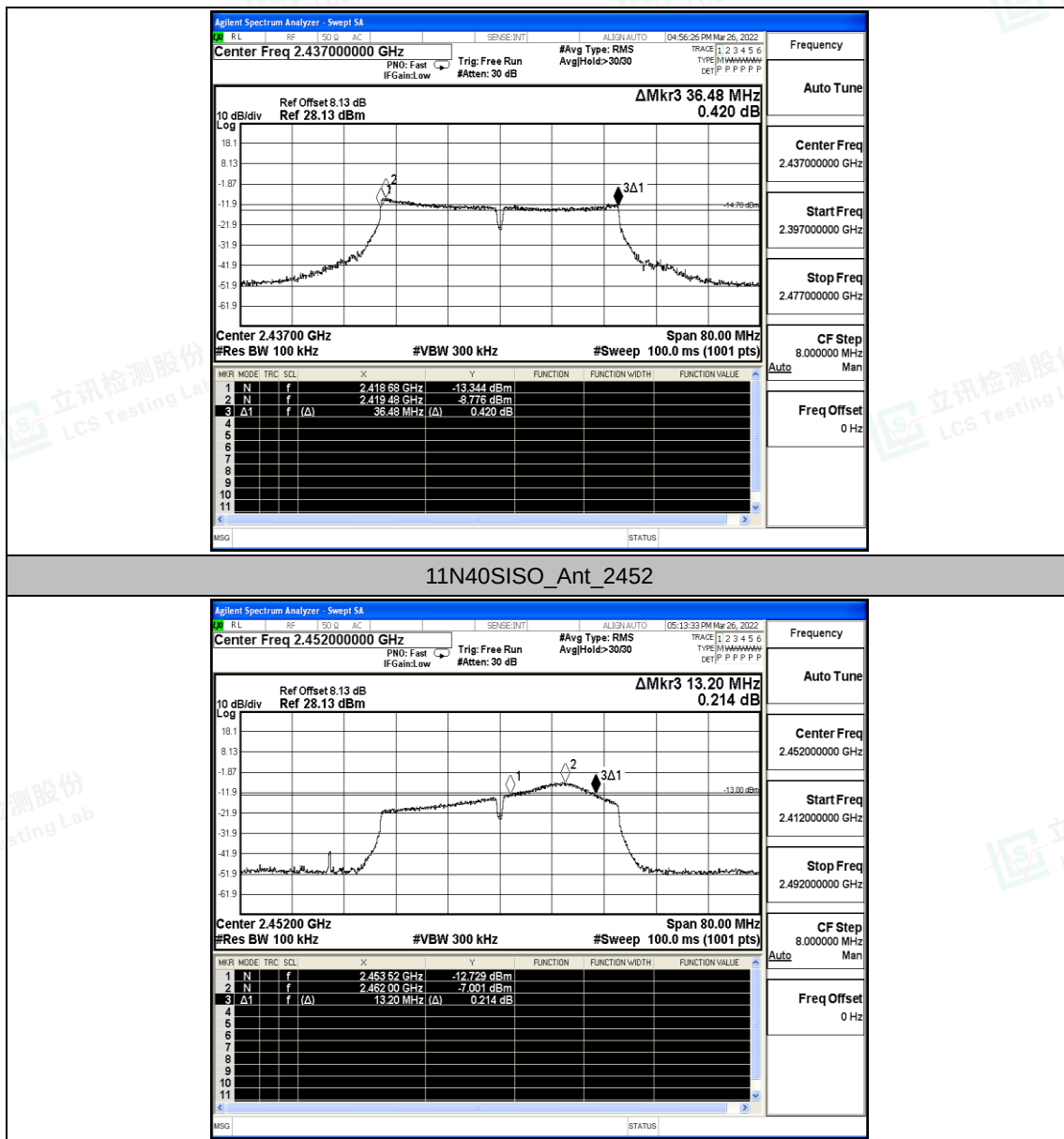


11N40SISO_Ant_2422



11N40SISO_Ant_2437





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C.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant	2412	14.01	≤30.00	PASS
		2437	13.06	≤30.00	PASS
		2462	13.07	≤30.00	PASS
11G	Ant	2412	14.41	≤30.00	PASS
		2437	13.93	≤30.00	PASS
		2462	14.76	≤30.00	PASS
11N20SISO	Ant	2412	13.13	≤30.00	PASS
		2437	13.70	≤30.00	PASS
		2462	13.60	≤30.00	PASS
11N40SISO	Ant	2422	14.40	≤30.00	PASS
		2437	13.94	≤30.00	PASS
		2452	13.88	≤30.00	PASS





C.3 Maximum power spectral density

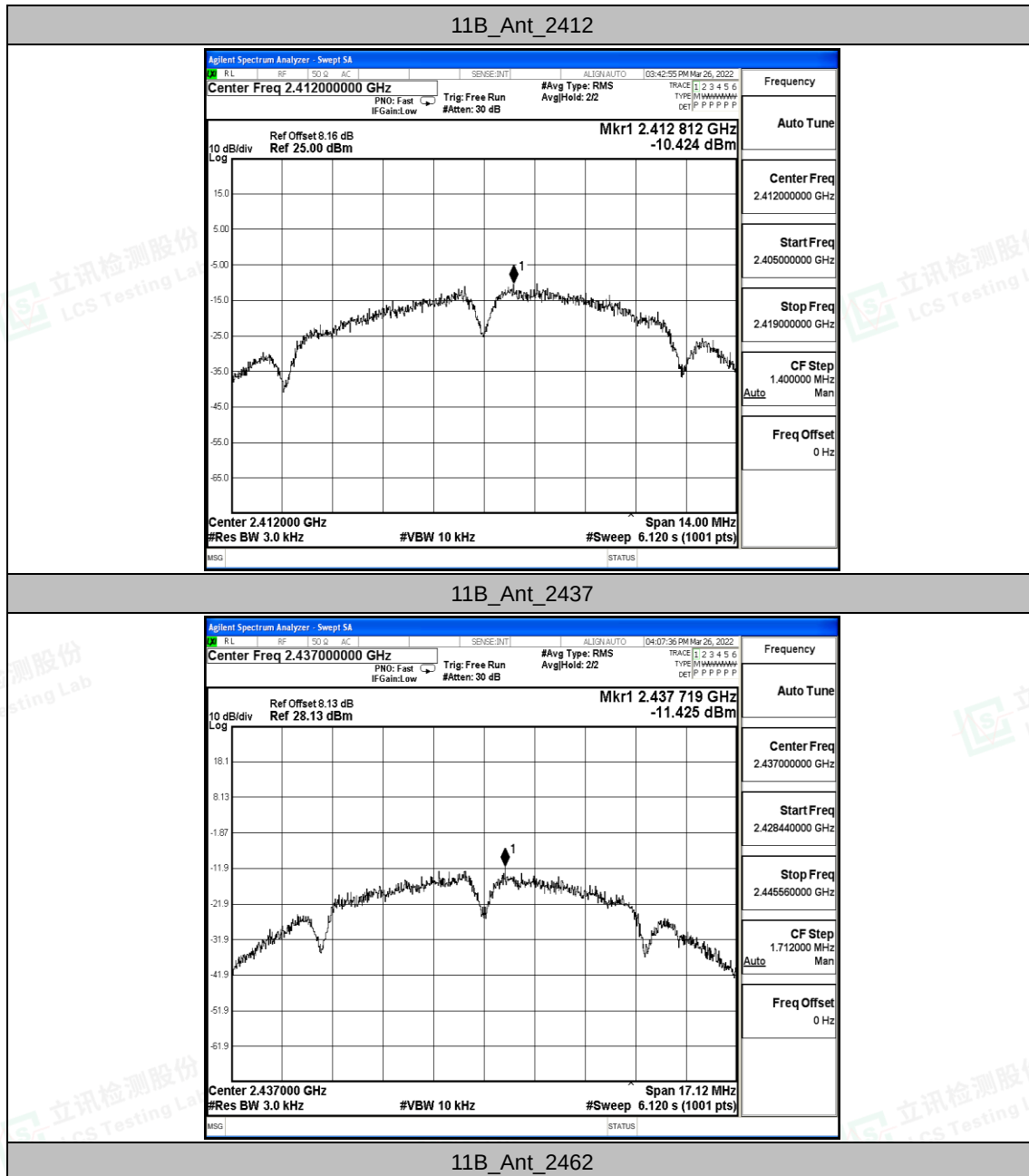
Test Result

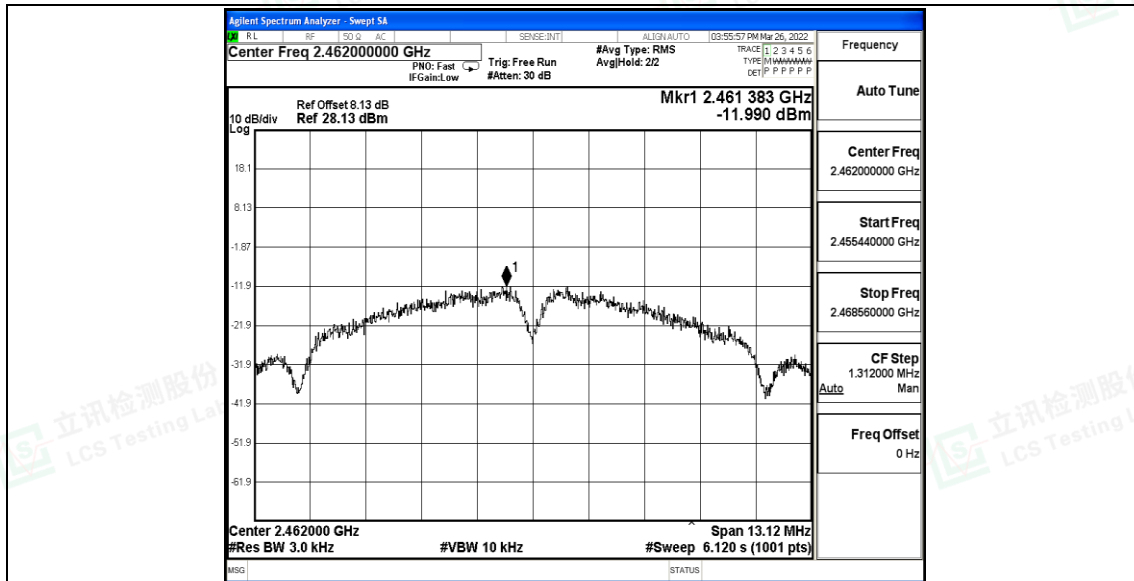
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant	2412	-10.42	≤8.00	PASS
		2437	-11.43	≤8.00	PASS
		2462	-11.99	≤8.00	PASS
11G	Ant	2412	-16.74	≤8.00	PASS
		2437	-18.77	≤8.00	PASS
		2462	-16.05	≤8.00	PASS
11N20SISO	Ant	2412	-17.39	≤8.00	PASS
		2437	-20.13	≤8.00	PASS
		2462	-17.45	≤8.00	PASS
11N40SISO	Ant	2422	-18.06	≤8.00	PASS
		2437	-20.65	≤8.00	PASS
		2452	-19.08	≤8.00	PASS



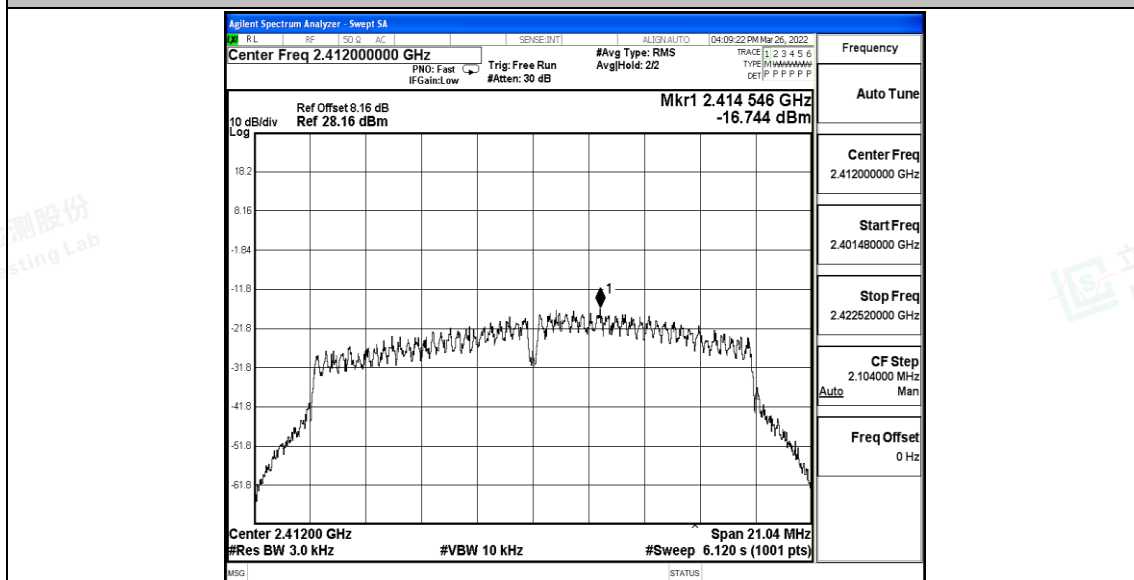


Test Graphs



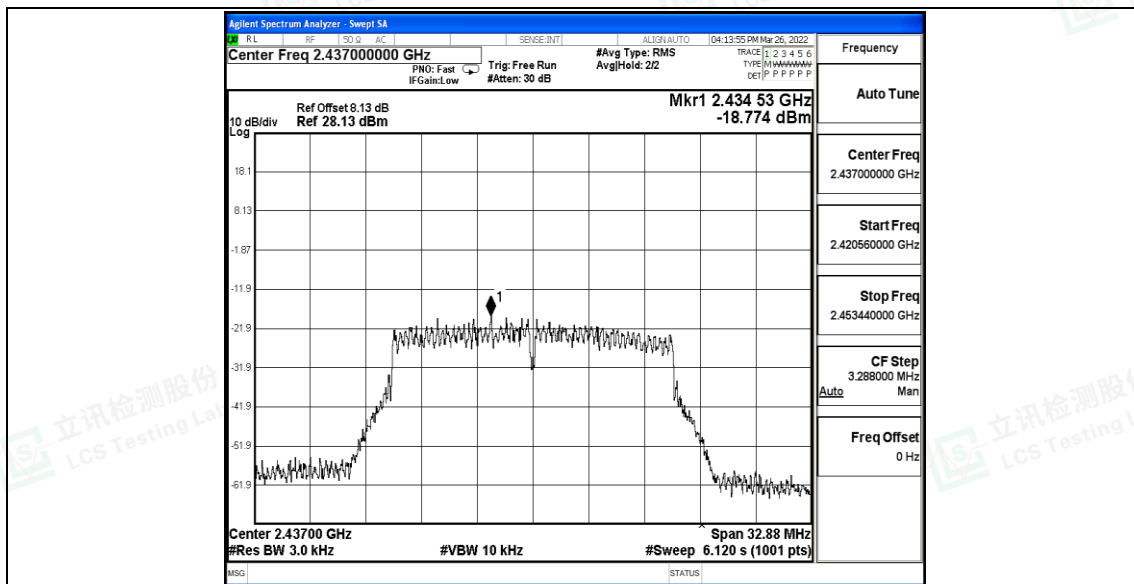


11G_Ant_2412

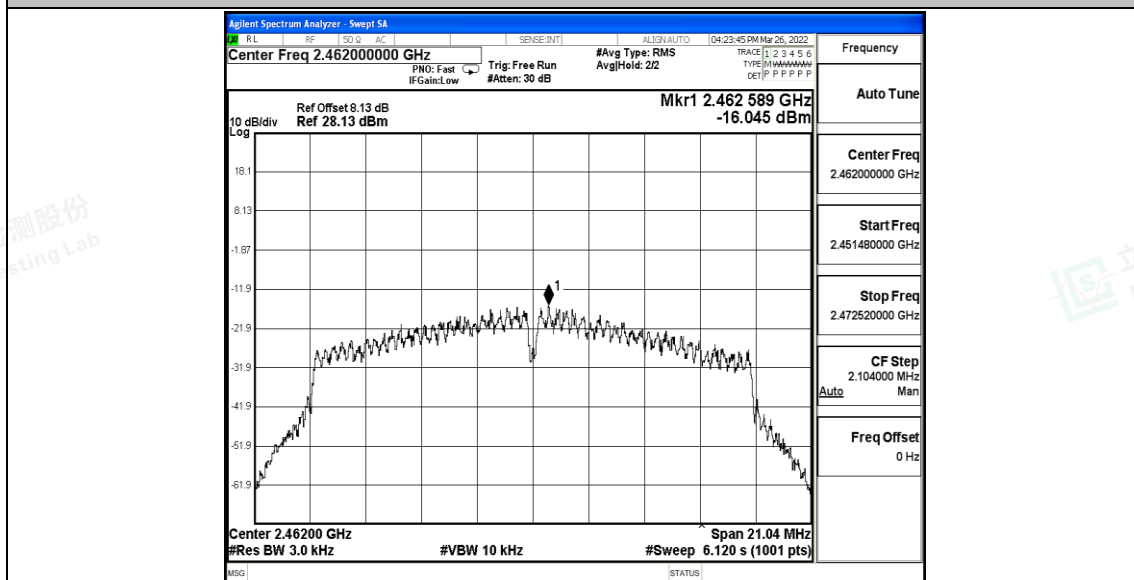


11G_Ant_2437



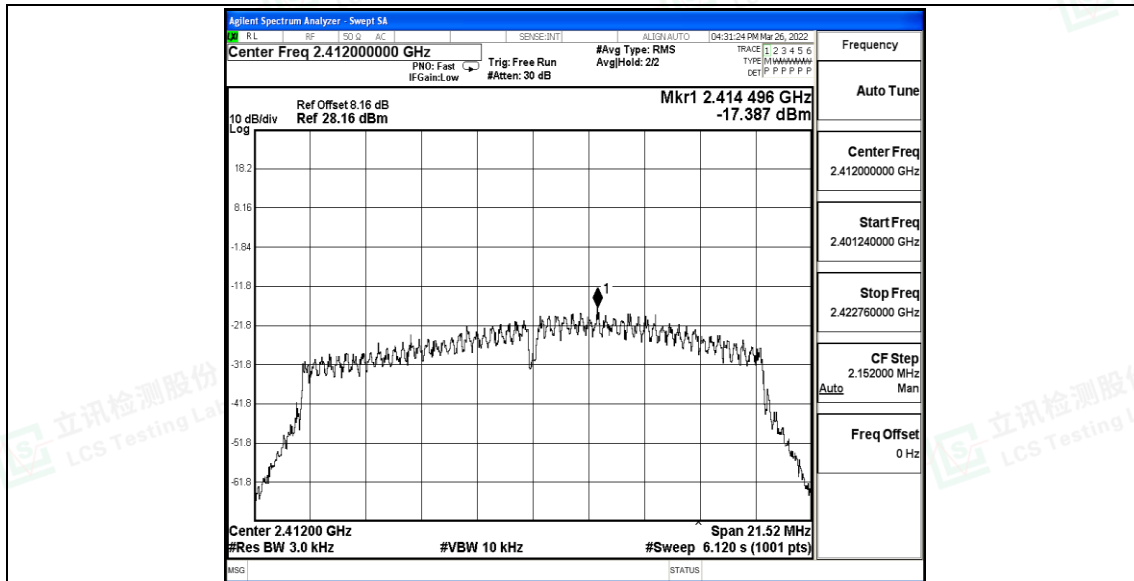


11G_Ant_2462

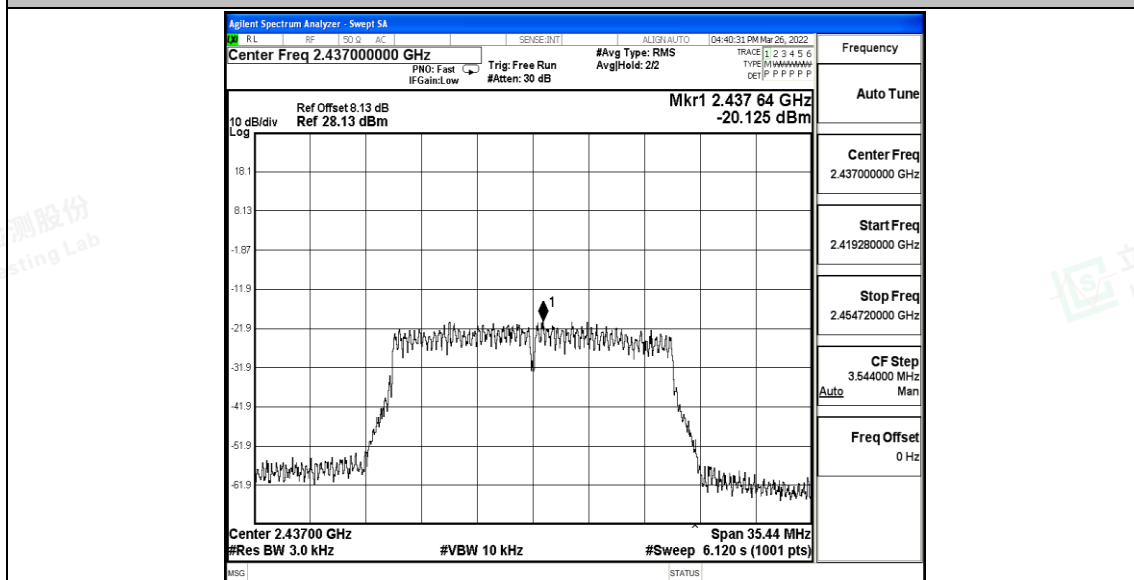


11N20SISO_Ant_2412



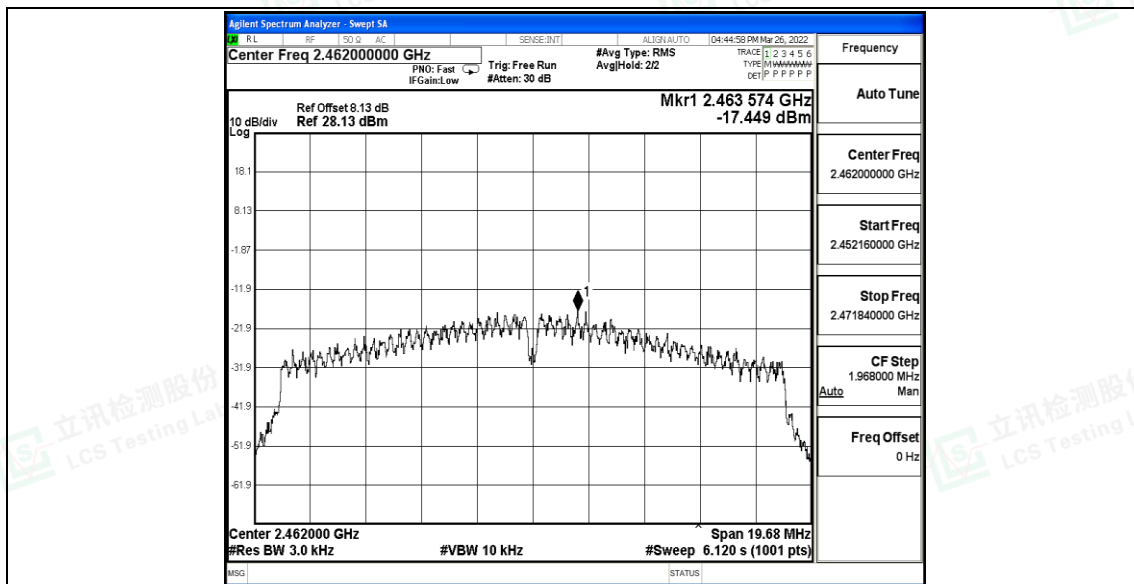


11N20SISO_Ant_2437

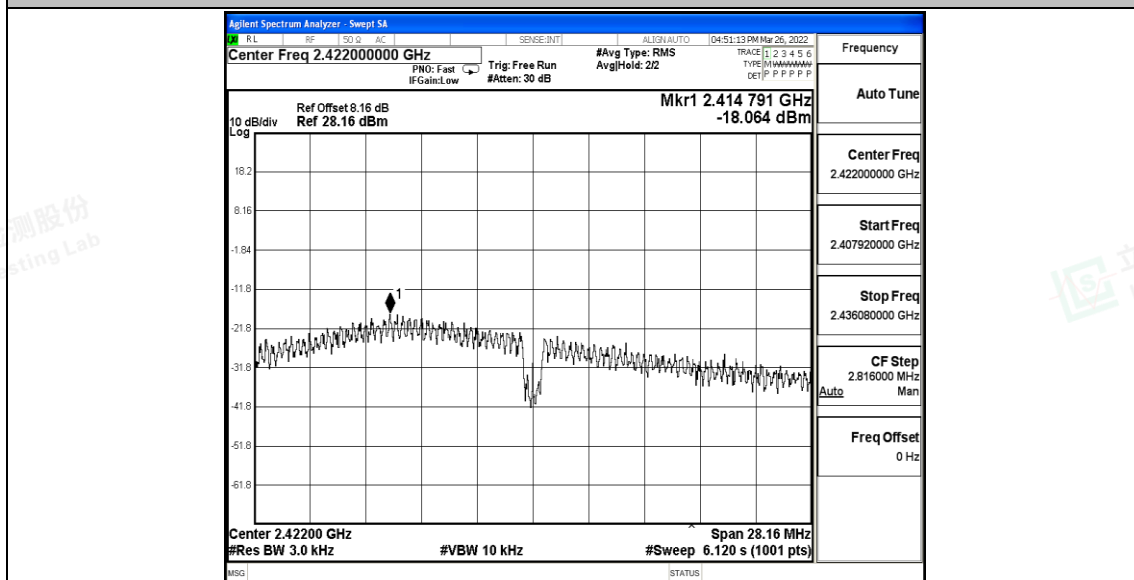


11N20SISO_Ant_2462





11N40SISO_Ant_2422



11N40SISO_Ant_2437

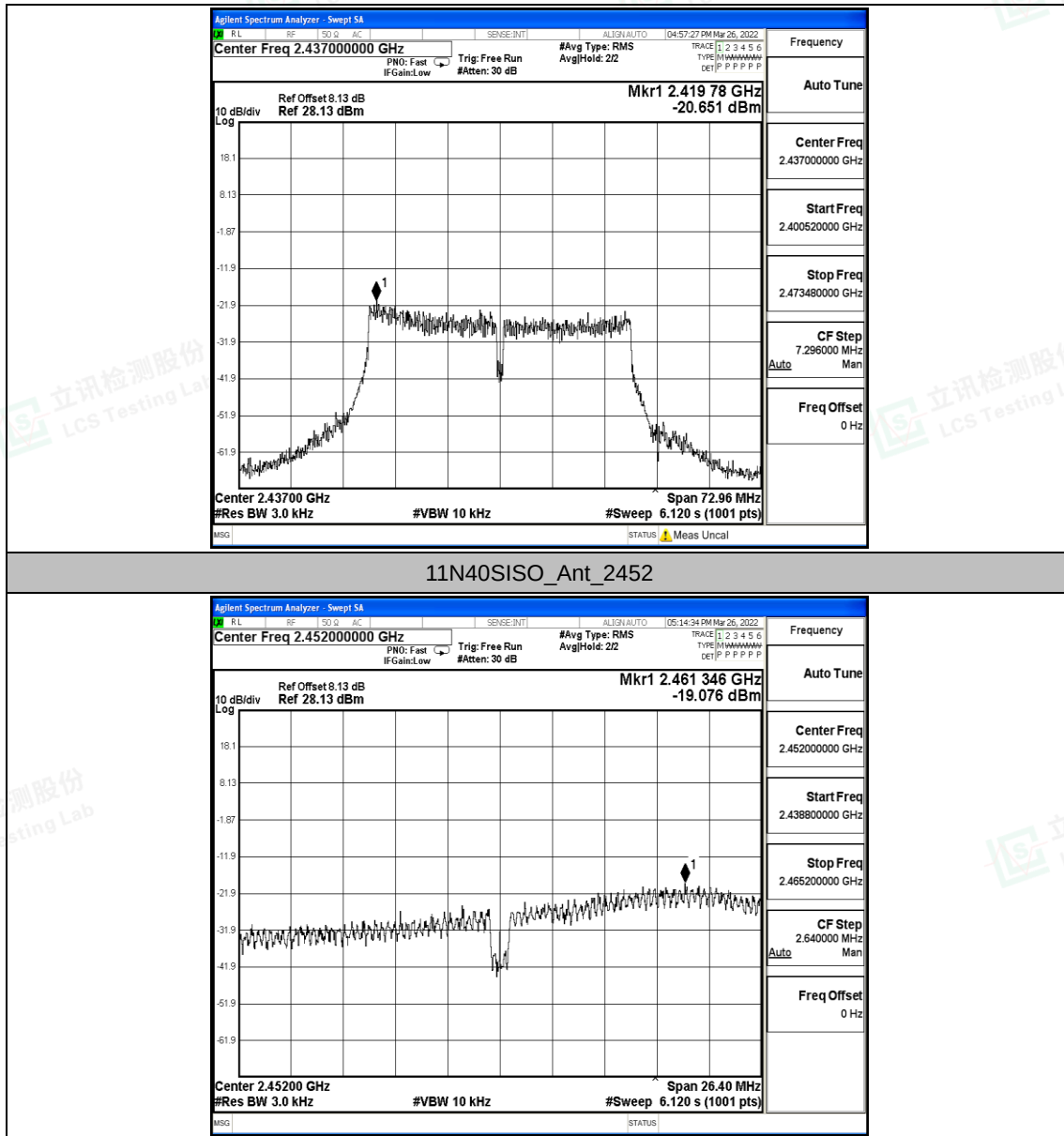


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C.4 Band edge measurements

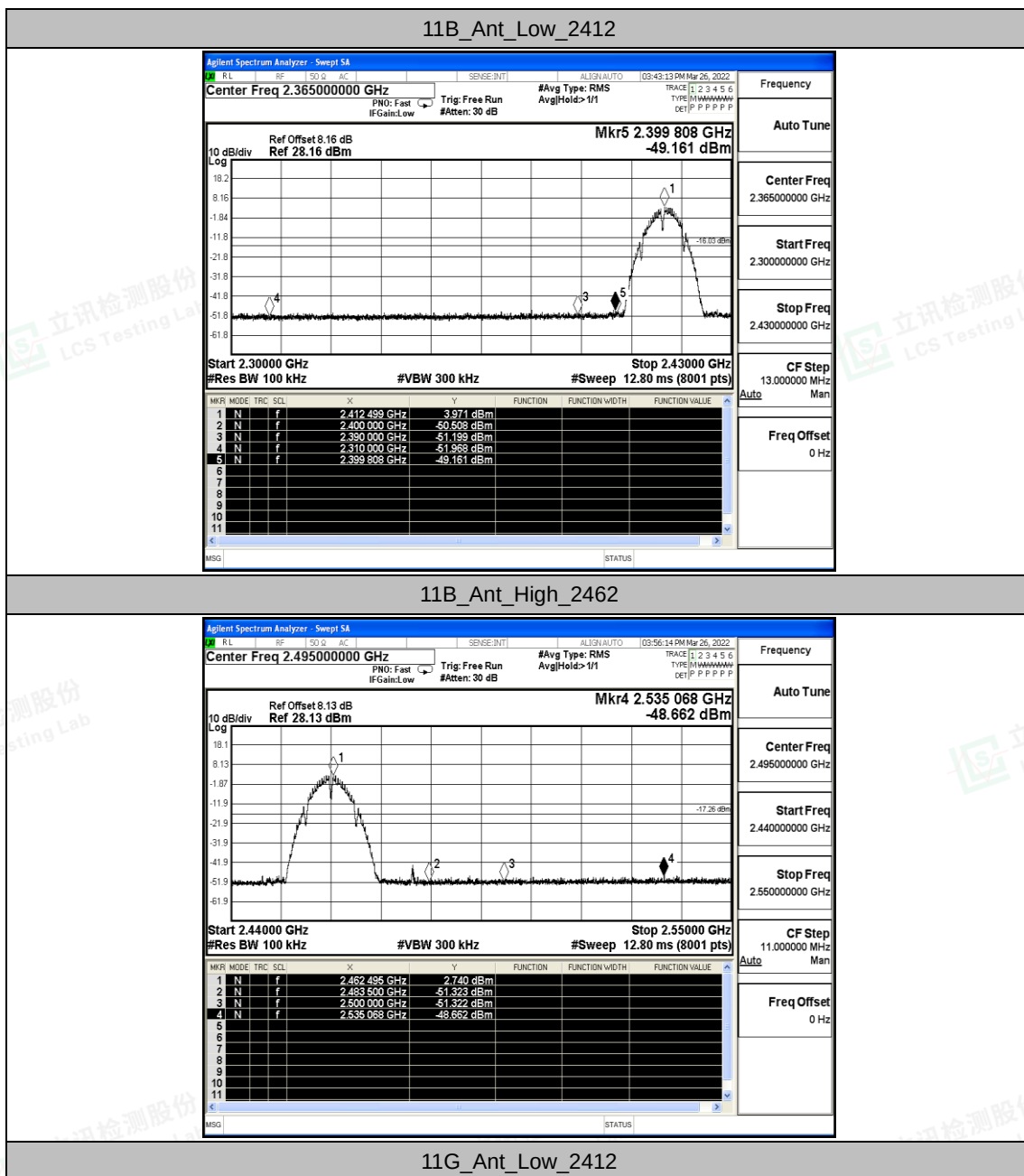
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant	Low	2412	3.97	-49.16	≤ -16.03	PASS
		High	2462	2.74	-48.66	≤ -17.26	PASS
11G	Ant	Low	2412	-2.49	-47.79	≤ -22.49	PASS
		High	2462	-4.31	-42.43	≤ -24.31	PASS
11N20SISO	Ant	Low	2412	-5.84	-48.92	≤ -25.84	PASS
		High	2462	-4.93	-43.07	≤ -24.93	PASS
11N40SISO	Ant	Low	2422	-6.15	-45.76	≤ -26.15	PASS
		High	2452	-6.84	-48.7	≤ -26.84	PASS





Test Graphs

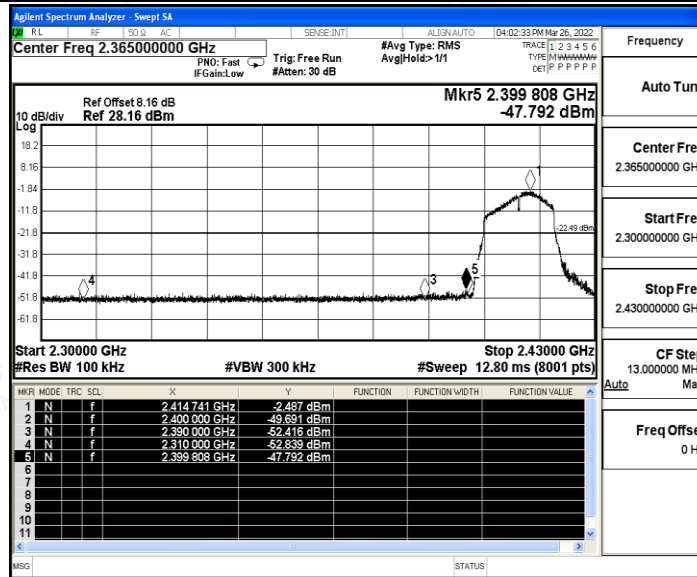


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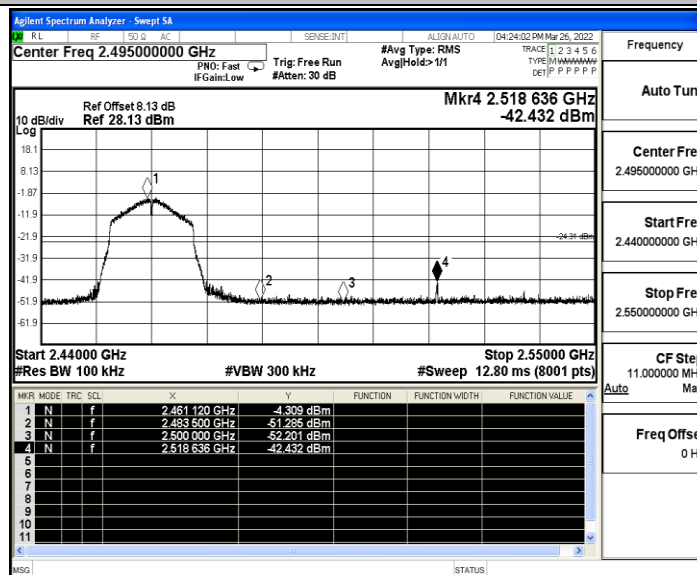
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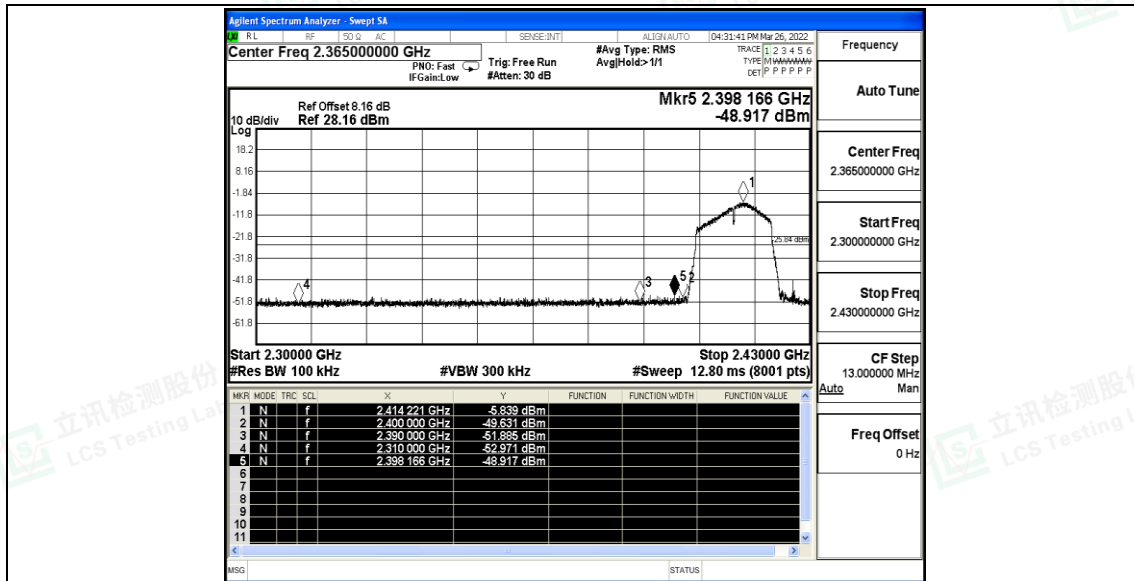


11G_Ant_High_2462

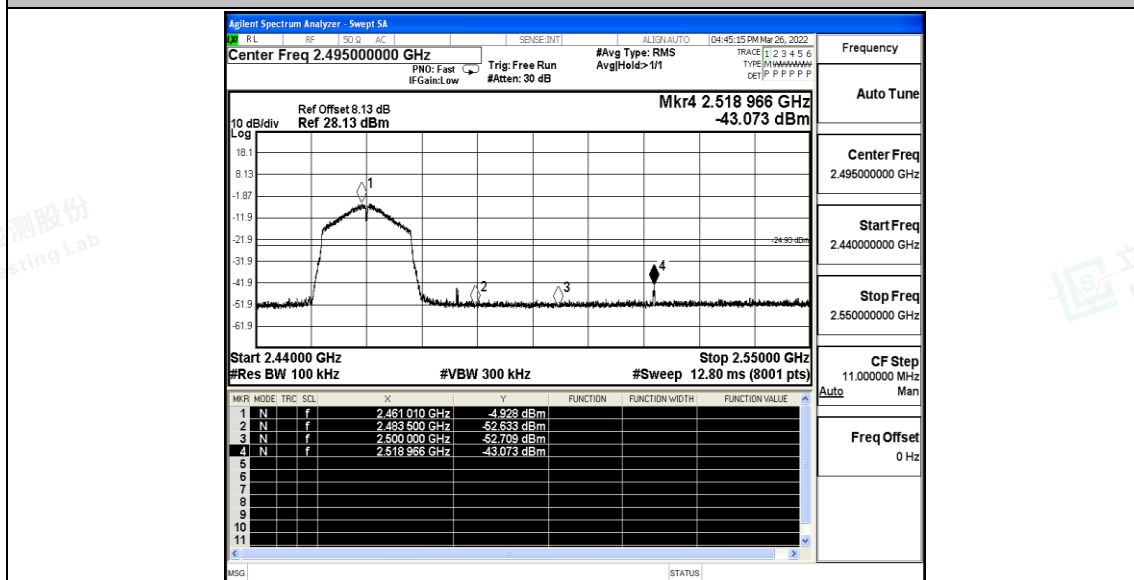


11N20SISO_Ant_Low_2412





11N20SISO_Ant_High_2462



11N40SISO_Ant_Low_2422

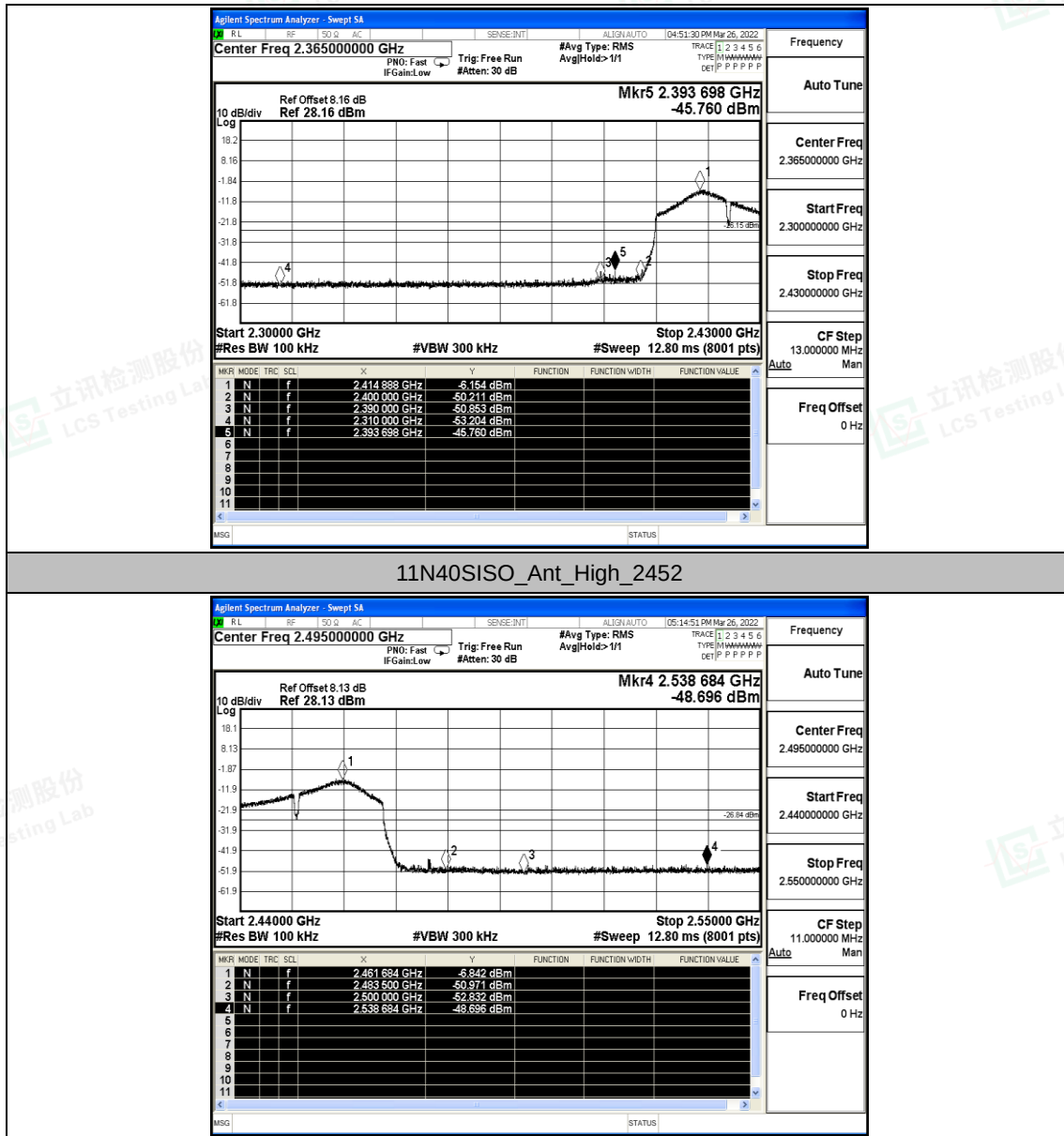


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C.5 Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant	2412	Reference	3.93	3.93	---	PASS
			30~1000	3.93	-28.87	≤-16.07	PASS
			1000~26500	3.93	-44.34	≤-16.07	PASS
		2437	Reference	0.19	0.19	---	PASS
			30~1000	0.19	-56.4	≤-19.81	PASS
			1000~26500	0.19	-33.18	≤-19.81	PASS
		2462	Reference	2.72	2.72	---	PASS
			30~1000	2.72	-57.05	≤-17.28	PASS
			1000~26500	2.72	-33.11	≤-17.28	PASS
11G	Ant	2412	Reference	-2.80	-2.80	---	PASS
			30~1000	-2.80	-54.66	≤-22.8	PASS
			1000~26500	-2.80	-46.71	≤-22.8	PASS
		2437	Reference	-7.36	-7.36	---	PASS
			30~1000	-7.36	-56.08	≤-27.36	PASS
			1000~26500	-7.36	-46.47	≤-27.36	PASS
		2462	Reference	-4.13	-4.13	---	PASS
			30~1000	-4.13	-52.36	≤-24.13	PASS
			1000~26500	-4.13	-42.15	≤-24.13	PASS
11N20SISO	Ant	2412	Reference	-5.86	-5.86	---	PASS
			30~1000	-5.86	-54.11	≤-25.86	PASS
			1000~26500	-5.86	-45.93	≤-25.86	PASS
		2437	Reference	-7.69	-7.69	---	PASS
			30~1000	-7.69	-53.79	≤-27.69	PASS
			1000~26500	-7.69	-46.4	≤-27.69	PASS
		2462	Reference	-5.38	-5.38	---	PASS
			30~1000	-5.38	-52.9	≤-25.38	PASS
			1000~26500	-5.38	-46.6	≤-25.38	PASS
11N40SISO	Ant	2422	Reference	-6.04	-6.04	---	PASS
			30~1000	-6.04	-52.9	≤-26.04	PASS
			1000~26500	-6.04	-46.77	≤-26.04	PASS
		2437	Reference	-8.68	-8.68	---	PASS
			30~1000	-8.68	-52.26	≤-28.68	PASS
			1000~26500	-8.68	-44.38	≤-28.68	PASS
		2452	Reference	-6.52	-6.52	---	PASS
			30~1000	-6.52	-28.32	≤-26.52	PASS



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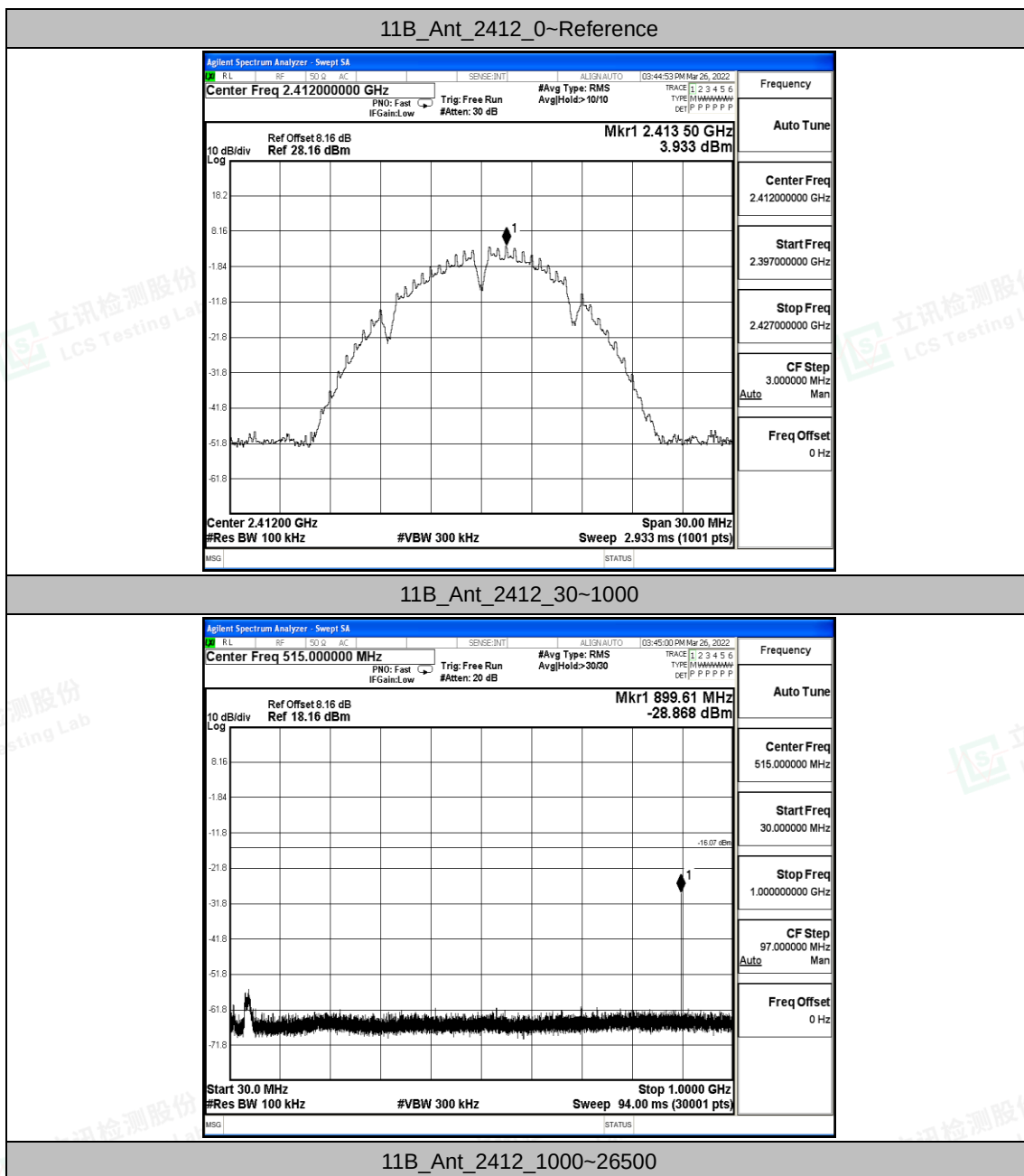


			1000~26500	-6.52	-44.53	≤-26.52	PASS
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Test Graphs

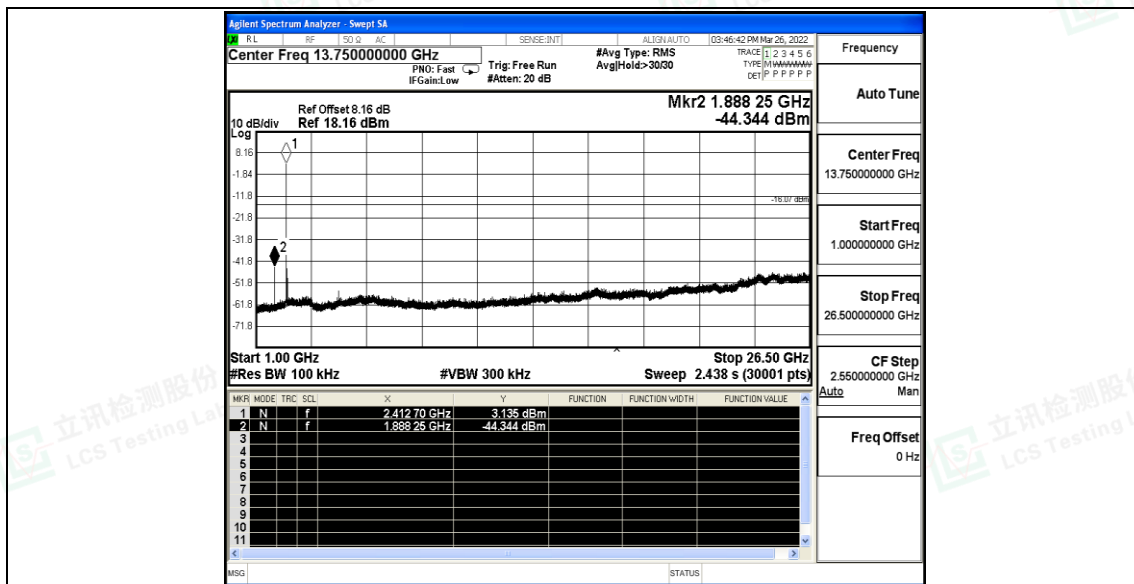


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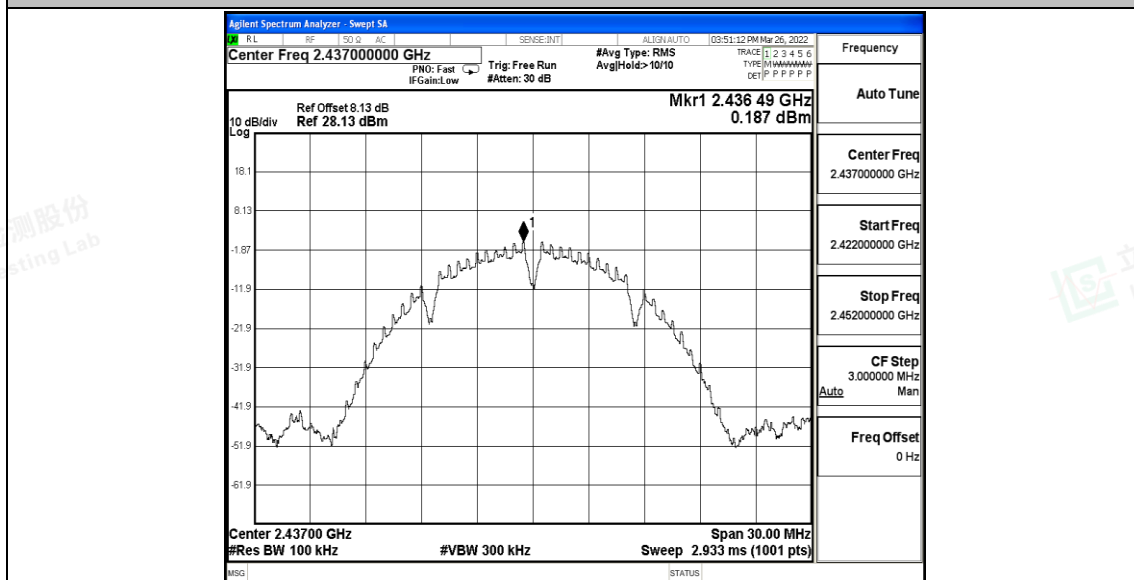
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11B_Ant_2437_0~Reference



11B_Ant_2437_30~1000

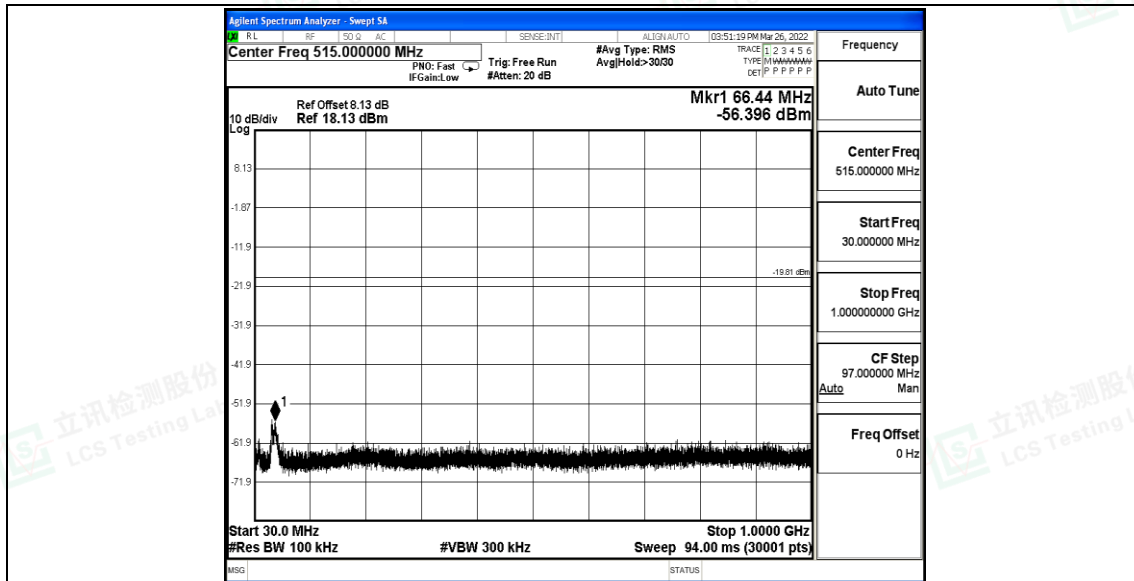


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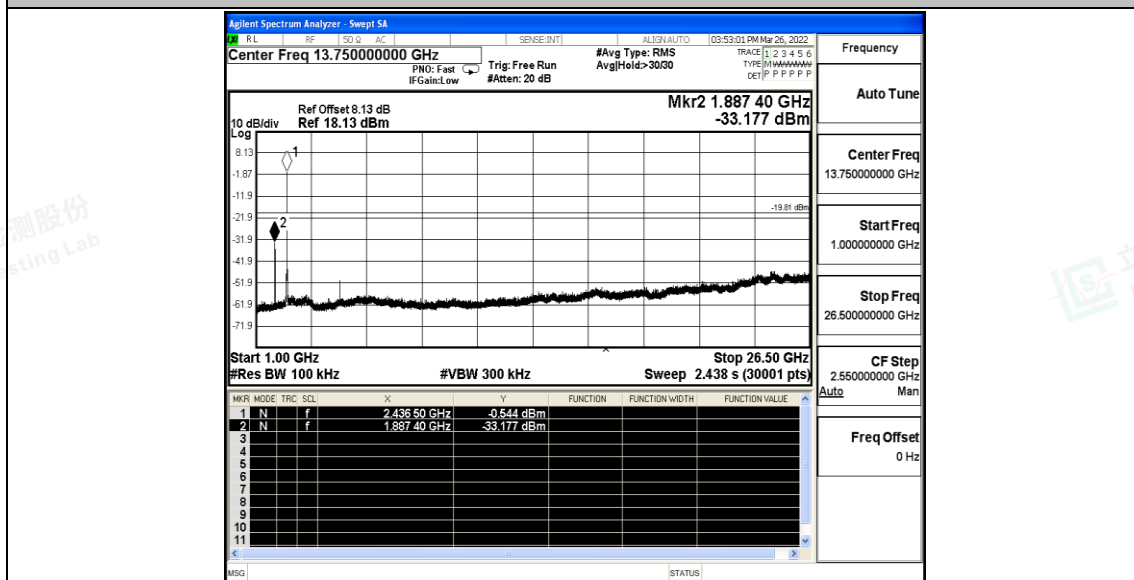
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11B_Ant_2437_1000~26500



11B_Ant_2462_0~Reference

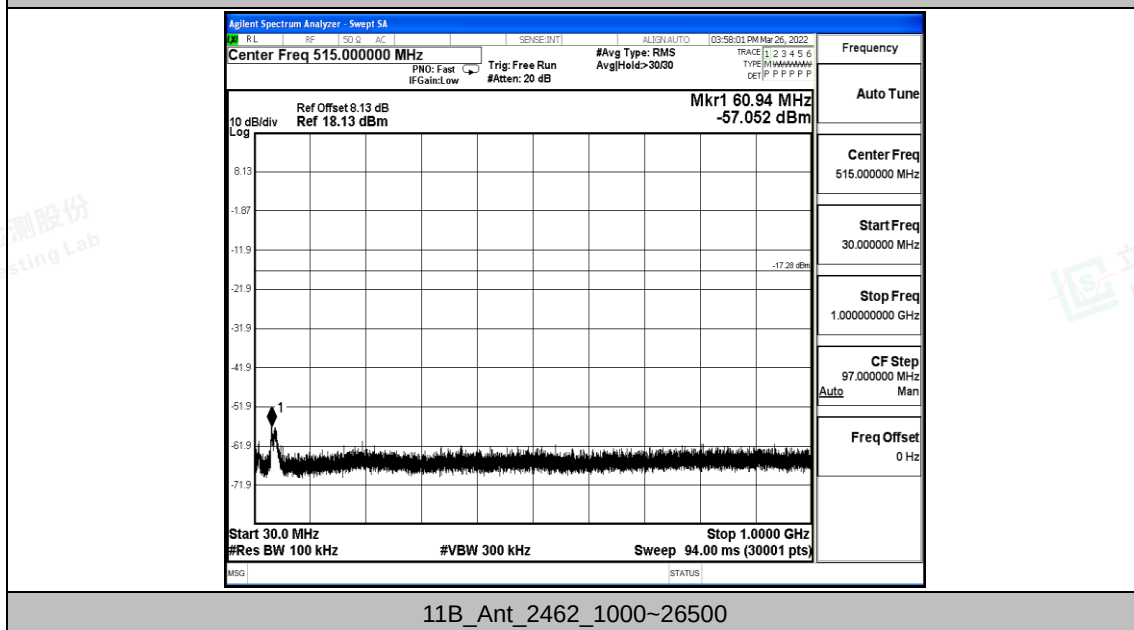
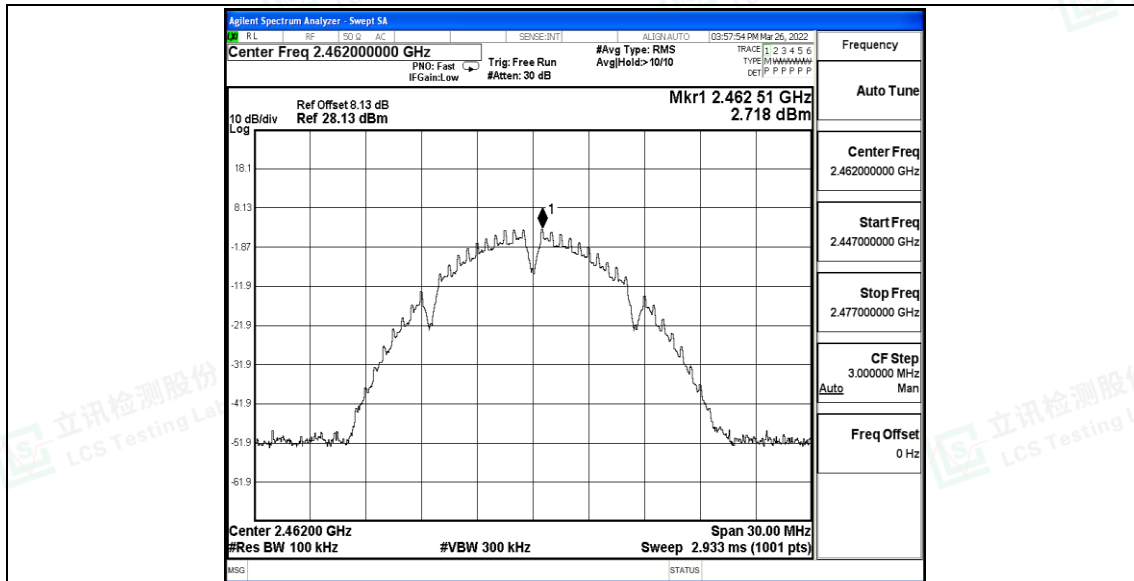


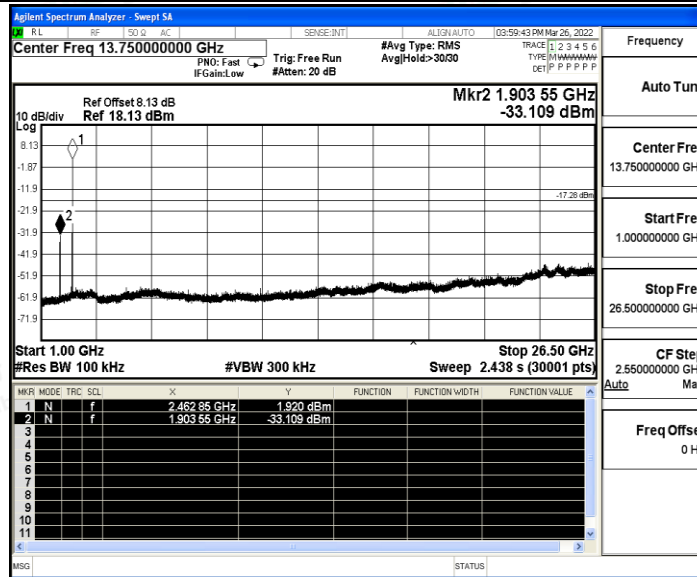
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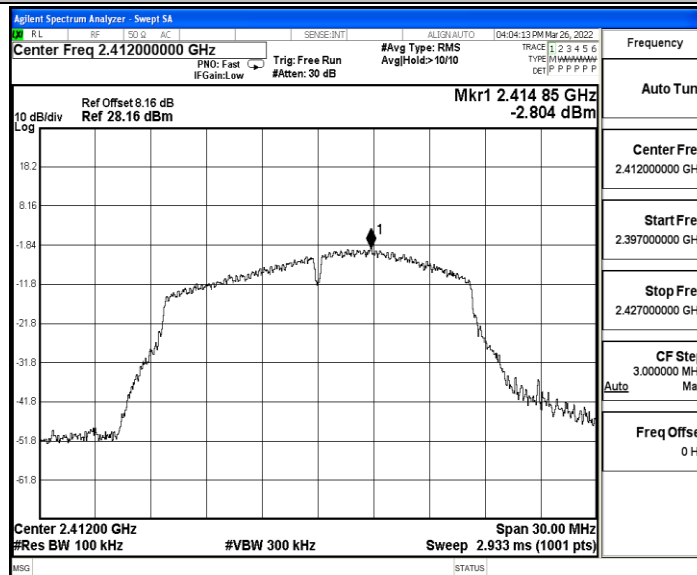
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11G_Ant_2412_0~Reference



11G_Ant_2412_30~1000

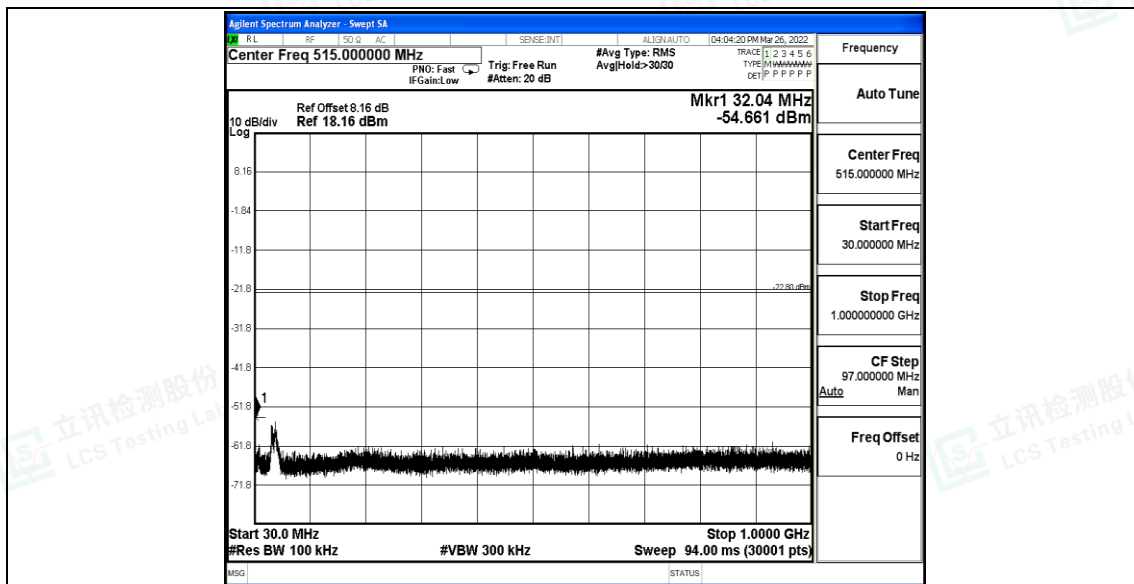


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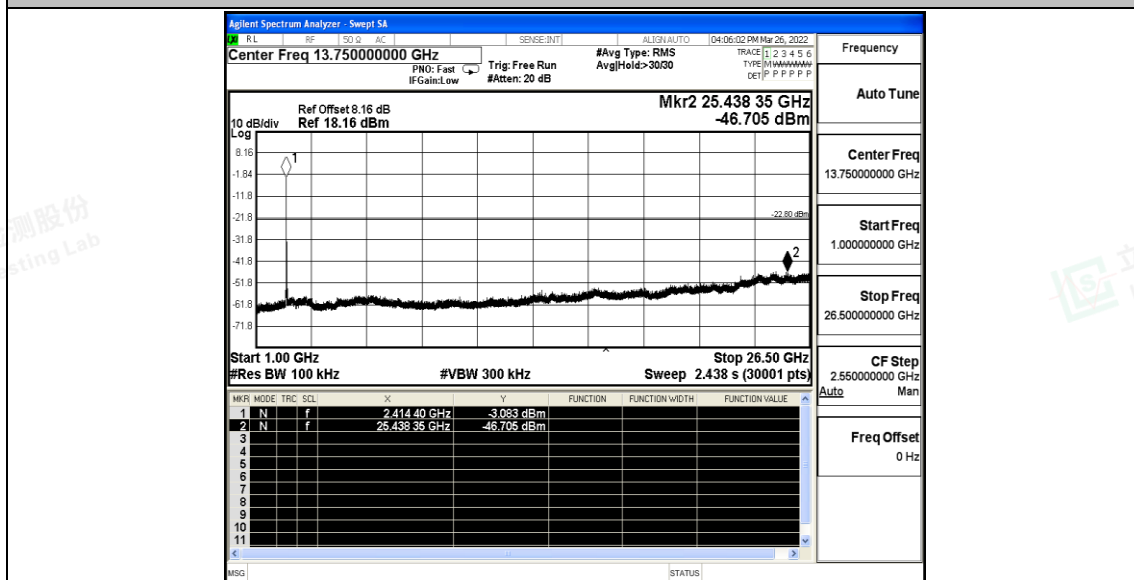
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11G_Ant_2412_1000~26500



11G_Ant_2437_0~Reference

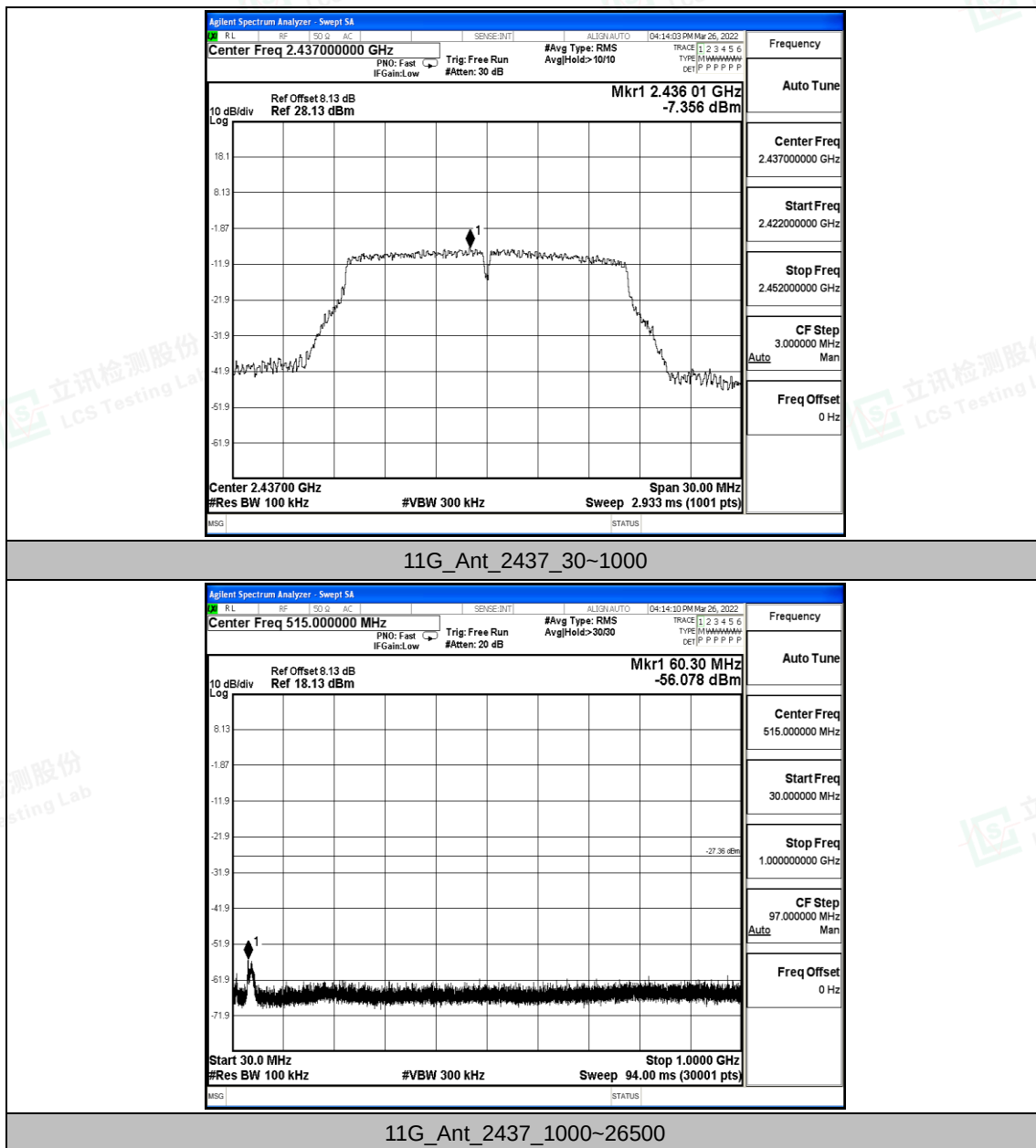


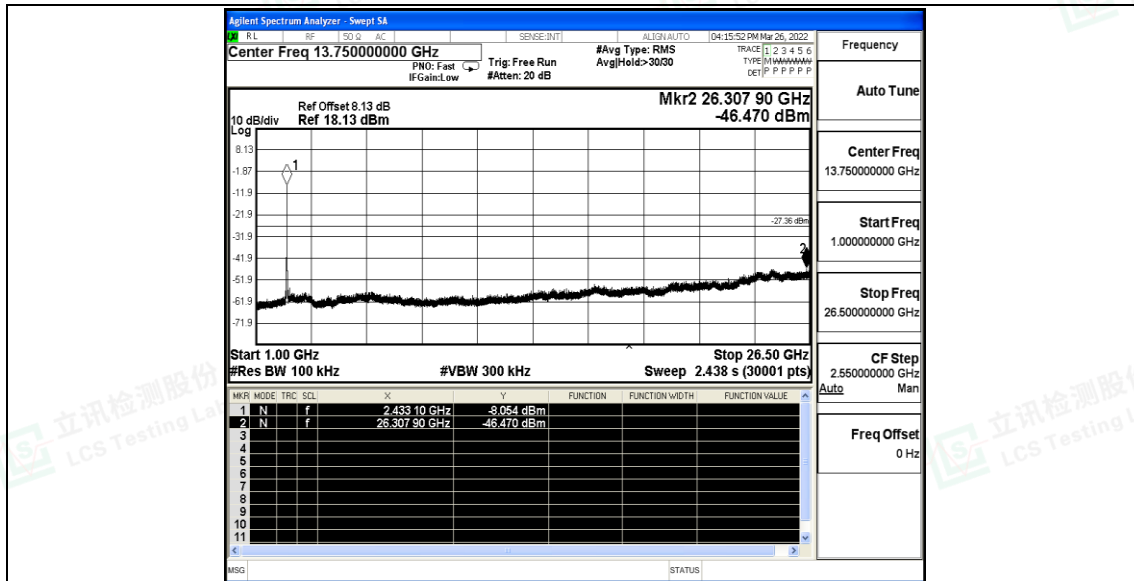
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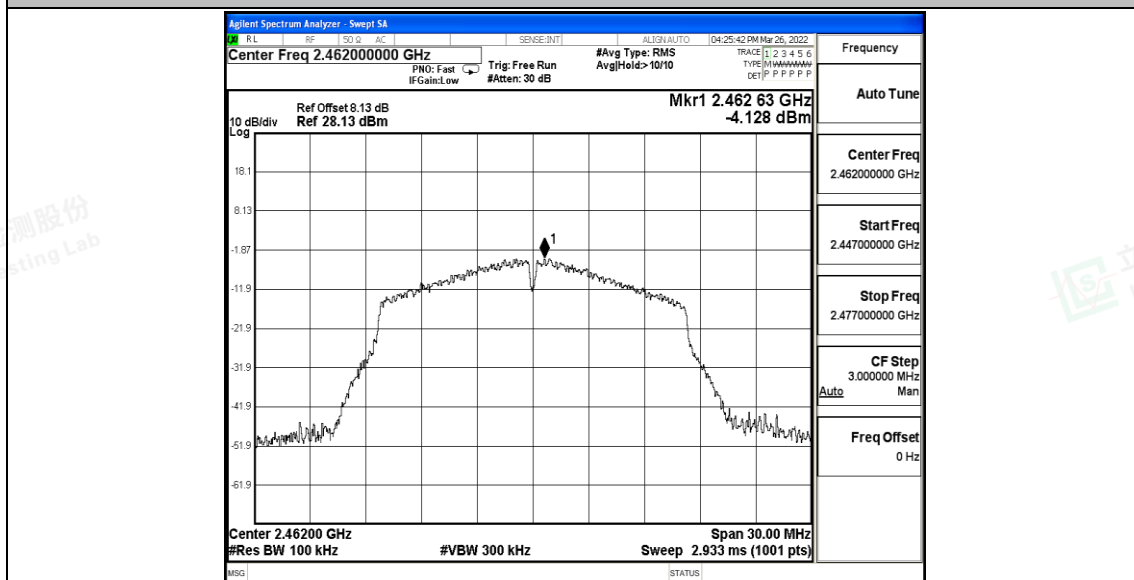
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11G_Ant_2462_0~Reference



11G_Ant_2462_30~1000

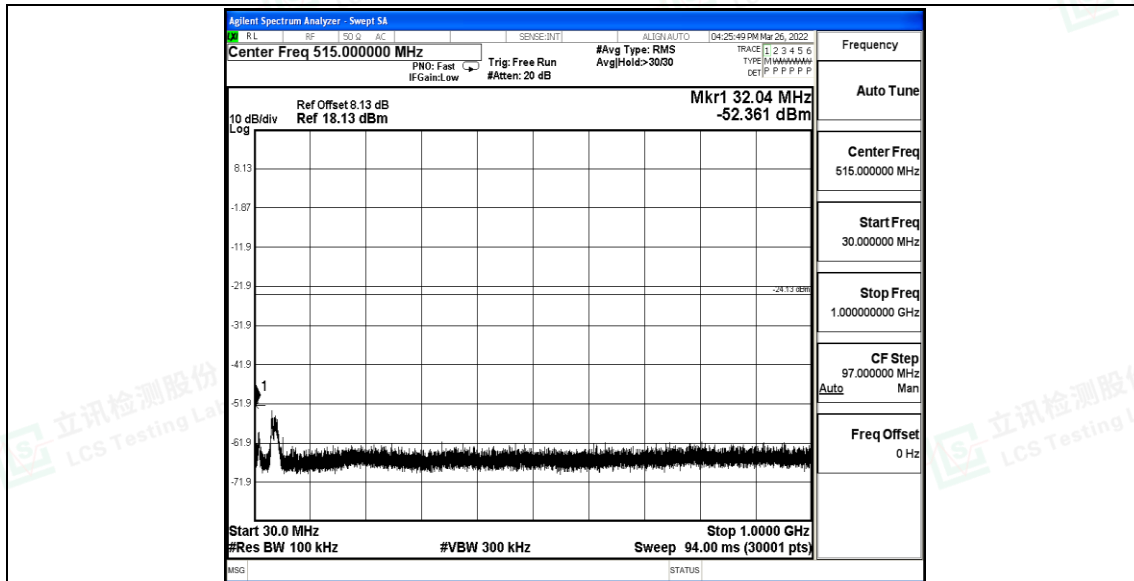


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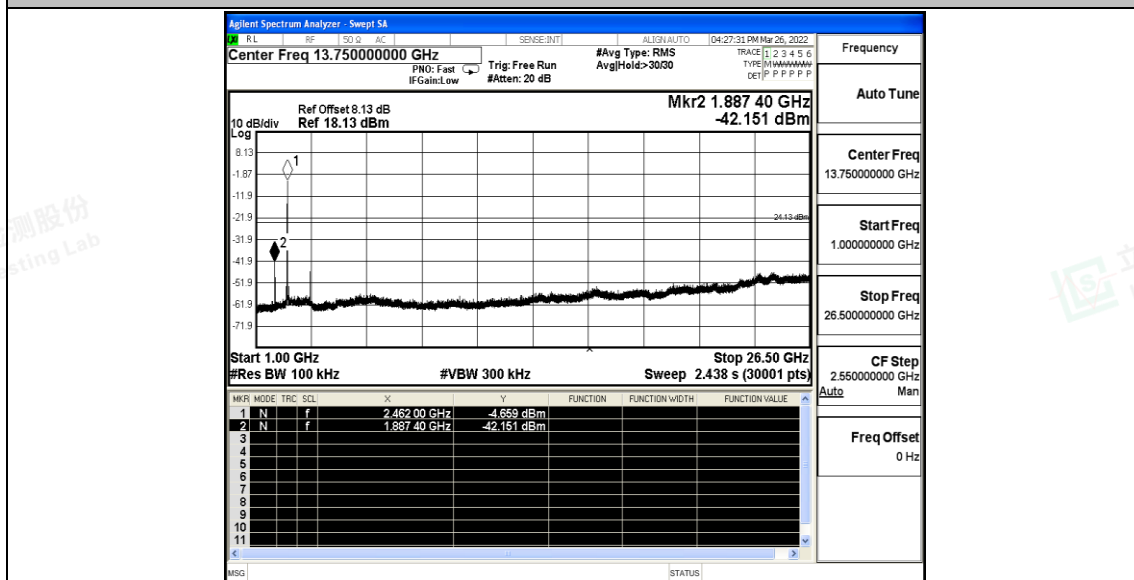
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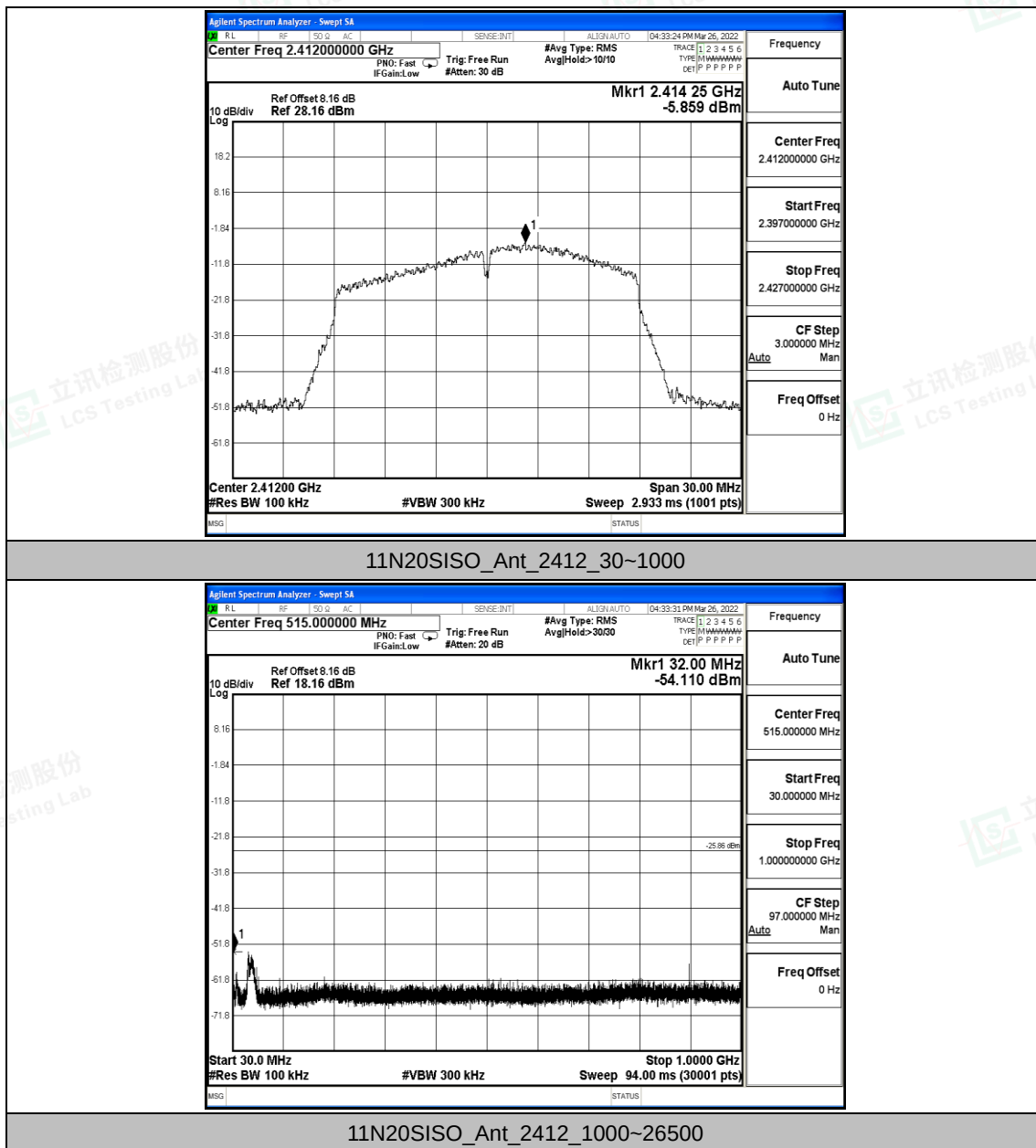


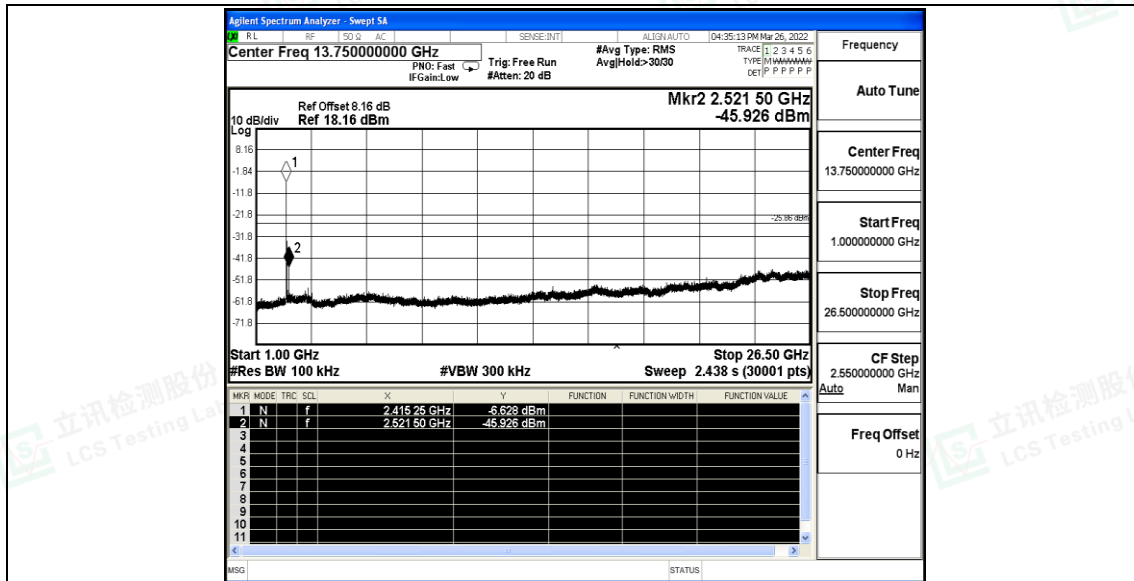
11G_Ant_2462_1000~26500



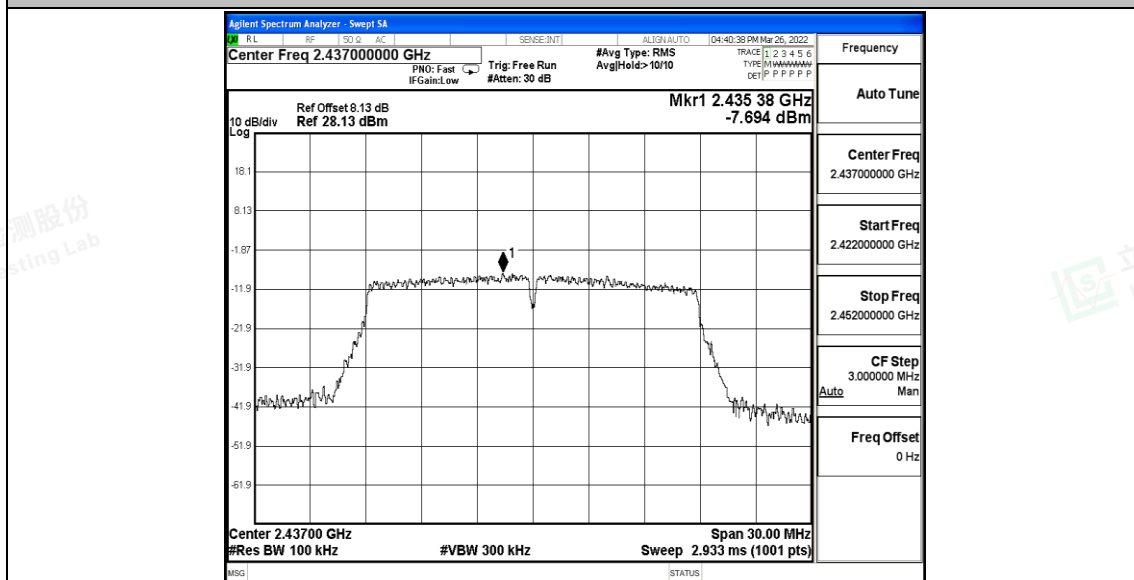
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11N20SISO_Ant_2437_0-Reference



11N20SISO_Ant_2437_30~1000

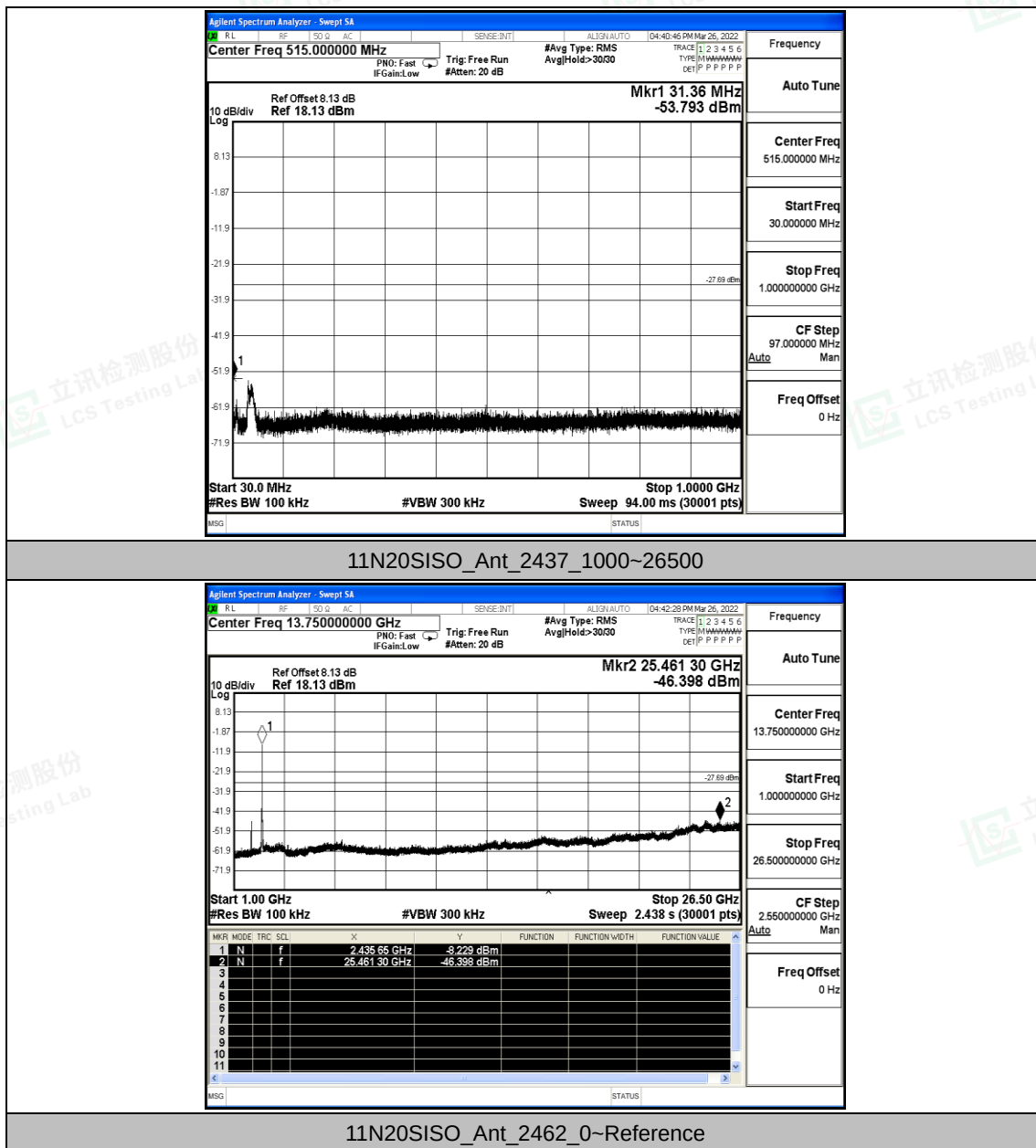


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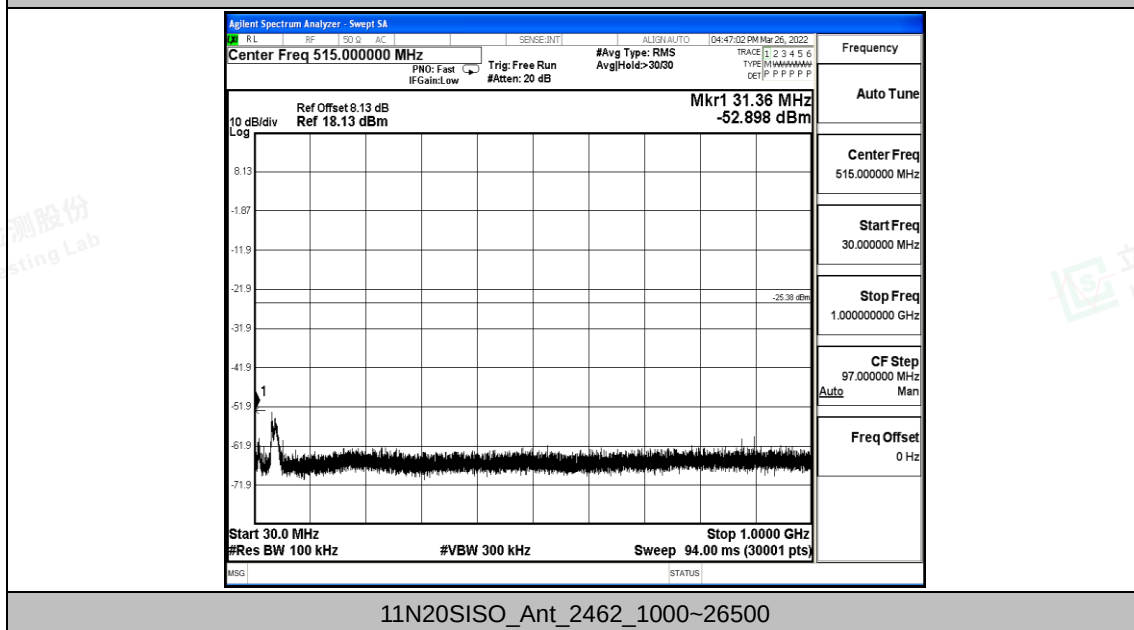
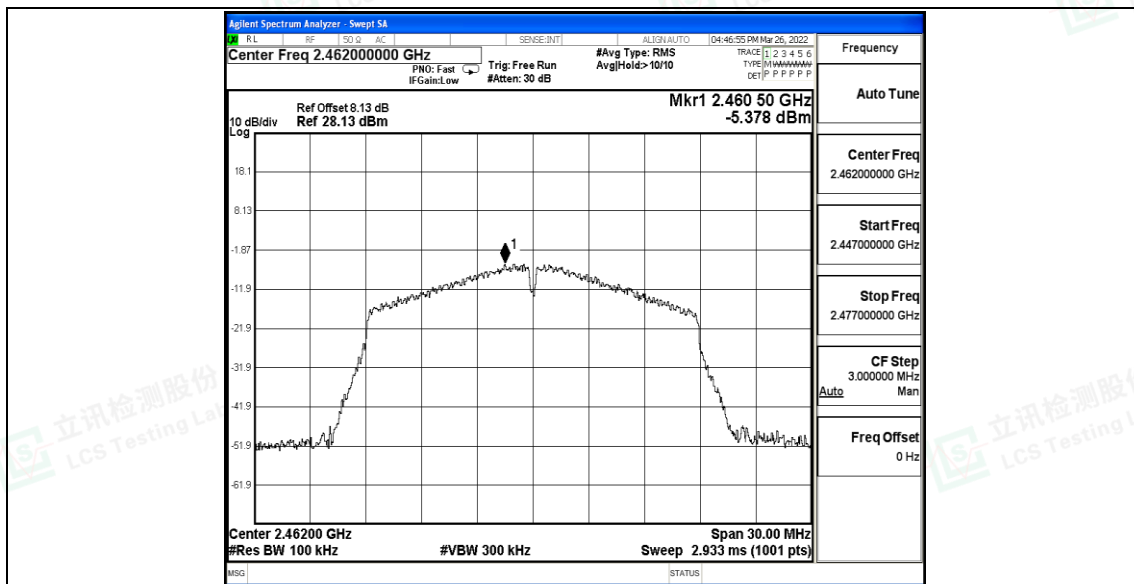


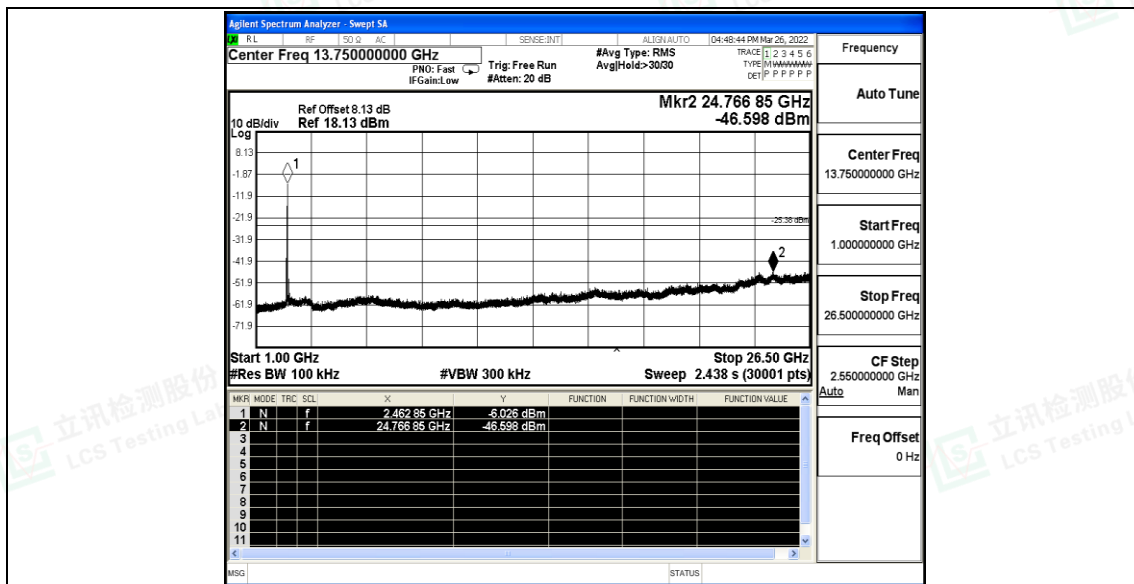
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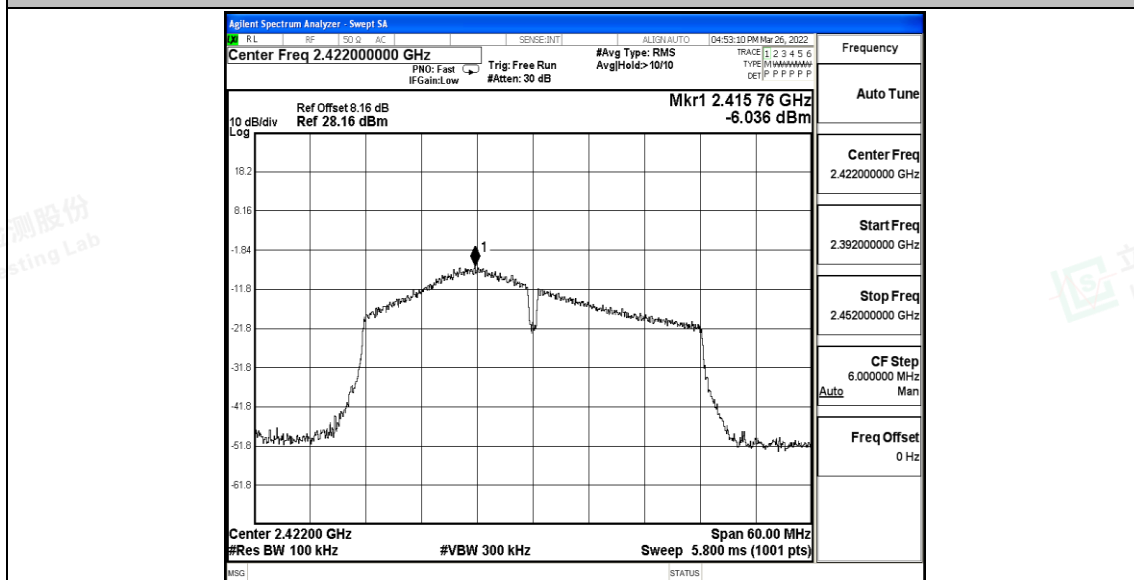
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11N40SISO_Ant_2422_0~Reference



11N40SISO_Ant_2422_30~1000

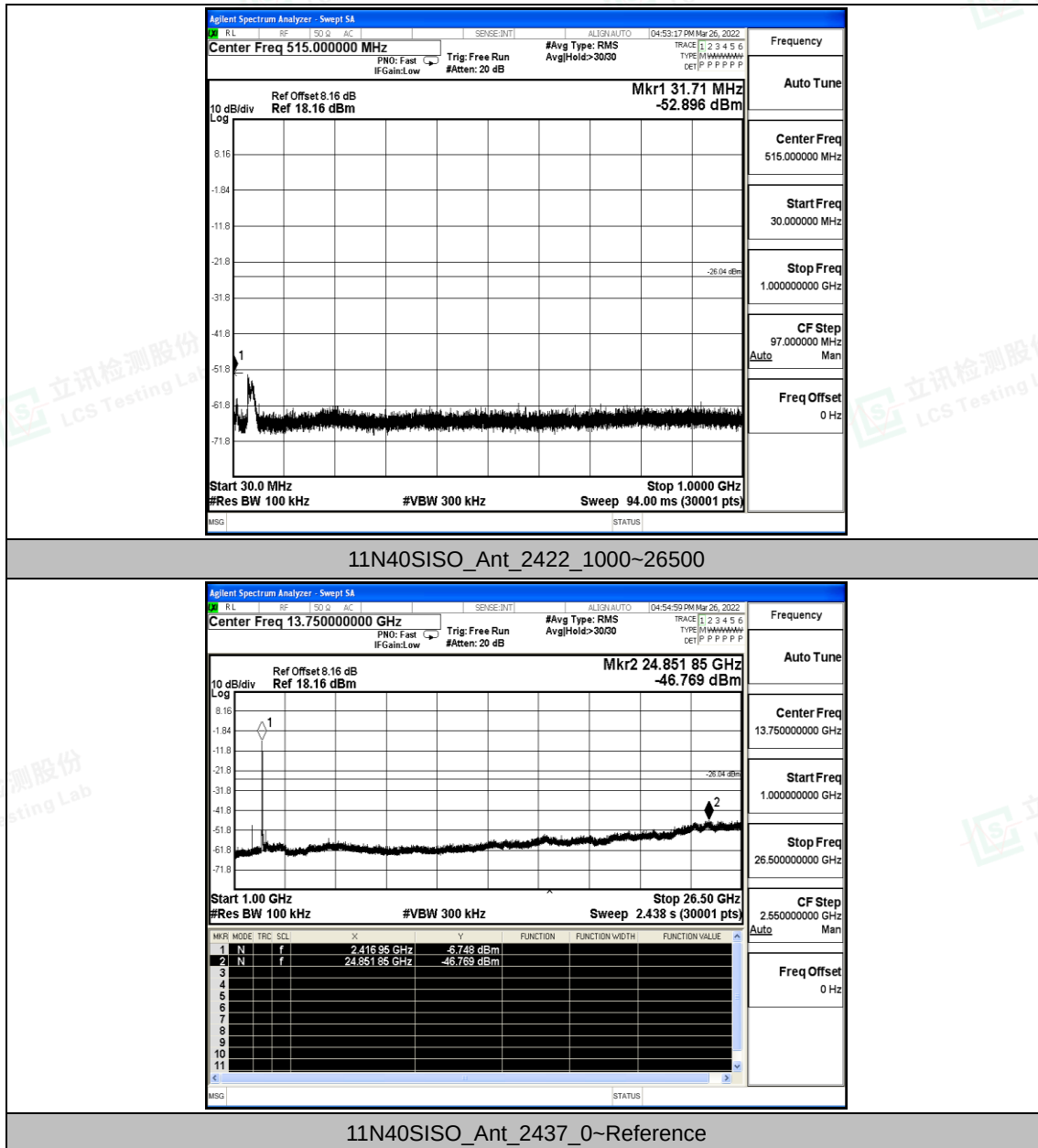


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