



Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Tablet

Test Model: RT1

Environmental Conditions

Temperature:	23.9° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li huan





C.1 6dB Bandwidth

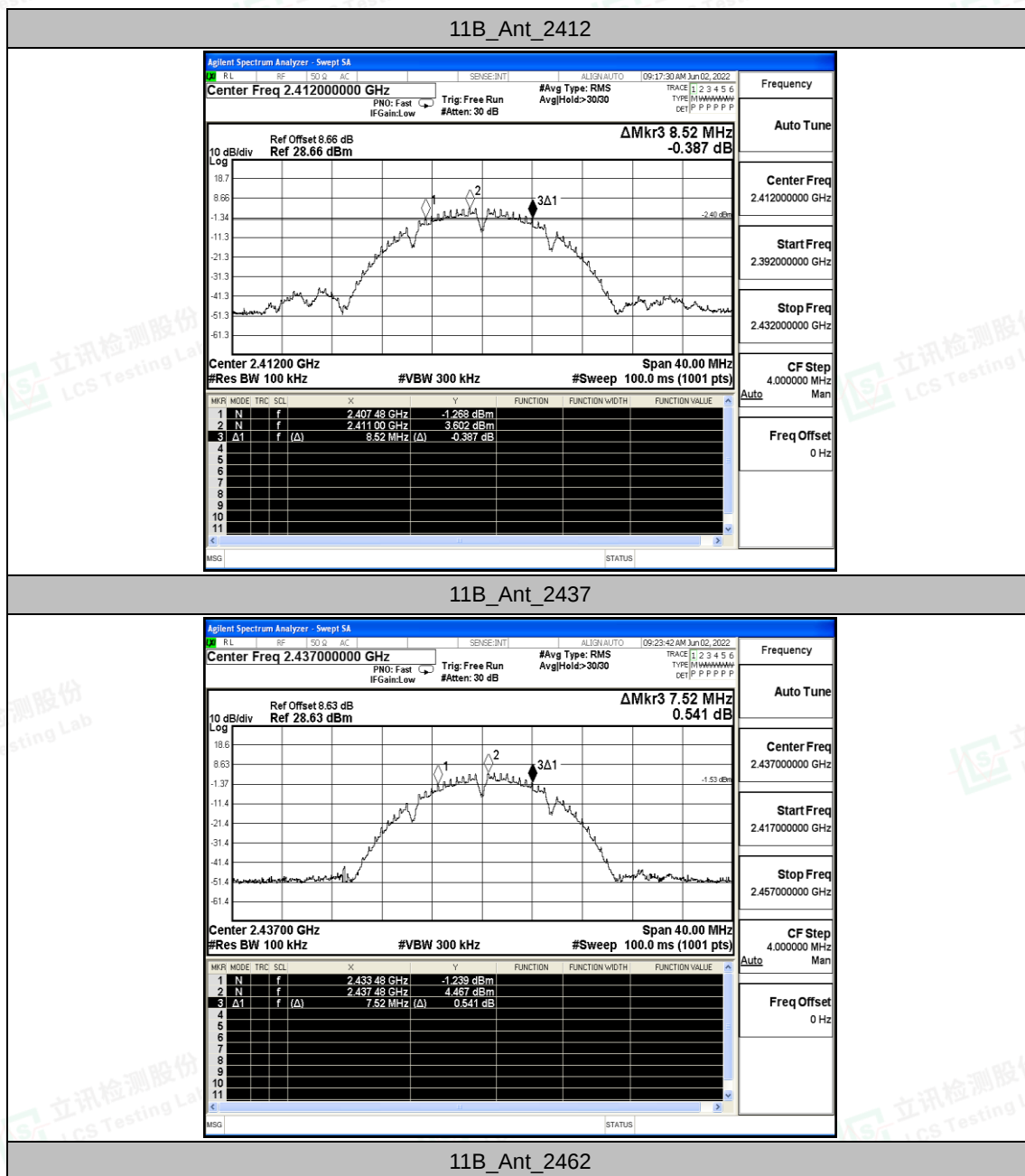
Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant	2412	8.520	2407.480	2416.000	0.5	PASS
		2437	7.520	2433.480	2441.000	0.5	PASS
		2462	8.520	2457.480	2466.000	0.5	PASS
11G	Ant	2412	15.720	2403.800	2419.520	0.5	PASS
		2437	12.600	2431.960	2444.560	0.5	PASS
		2462	16.040	2453.840	2469.880	0.5	PASS
11N20SISO	Ant	2412	16.320	2403.200	2419.520	0.5	PASS
		2437	12.600	2431.960	2444.560	0.5	PASS
		2462	17.160	2453.200	2470.360	0.5	PASS
11N40SISO	Ant	2422	35.760	2404.400	2440.160	0.5	PASS
		2437	19.920	2430.760	2450.680	0.5	PASS
		2452	22.560	2434.480	2457.040	0.5	PASS





Test Graphs

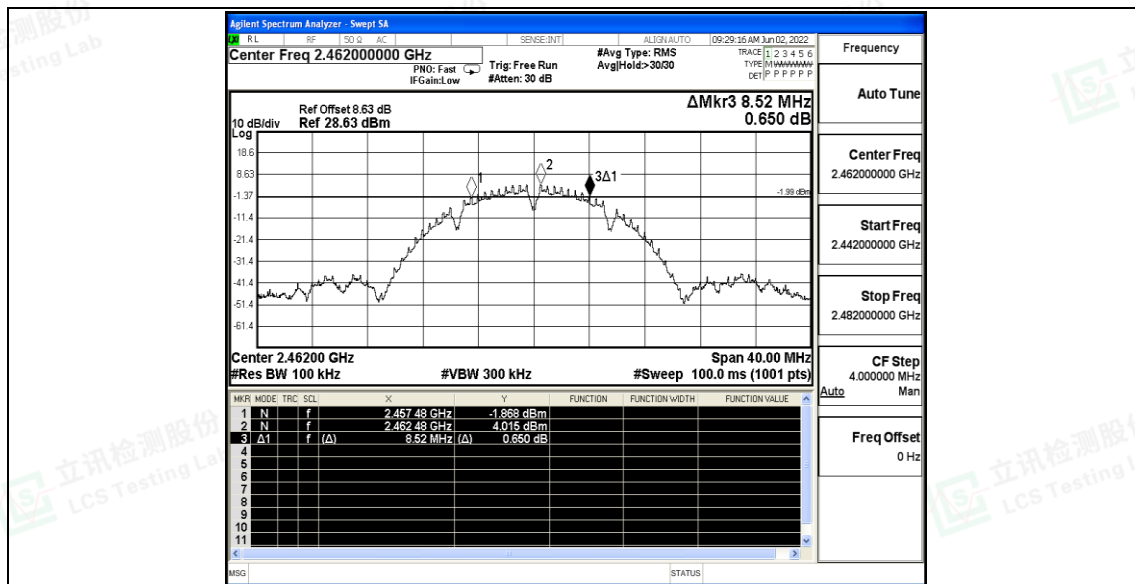


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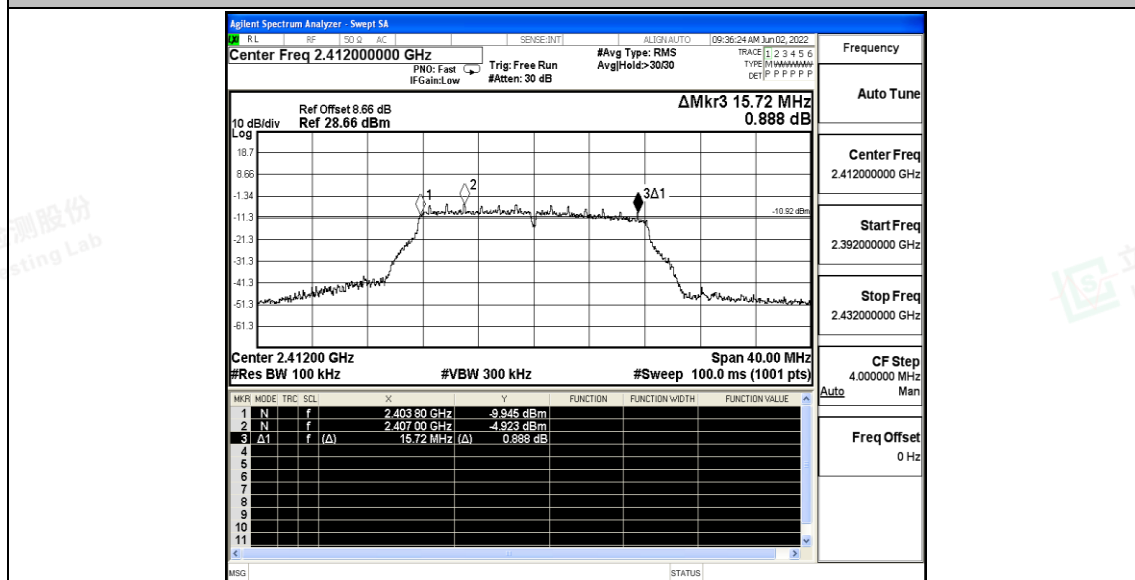
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11G_Ant_2412



11G_Ant_2437

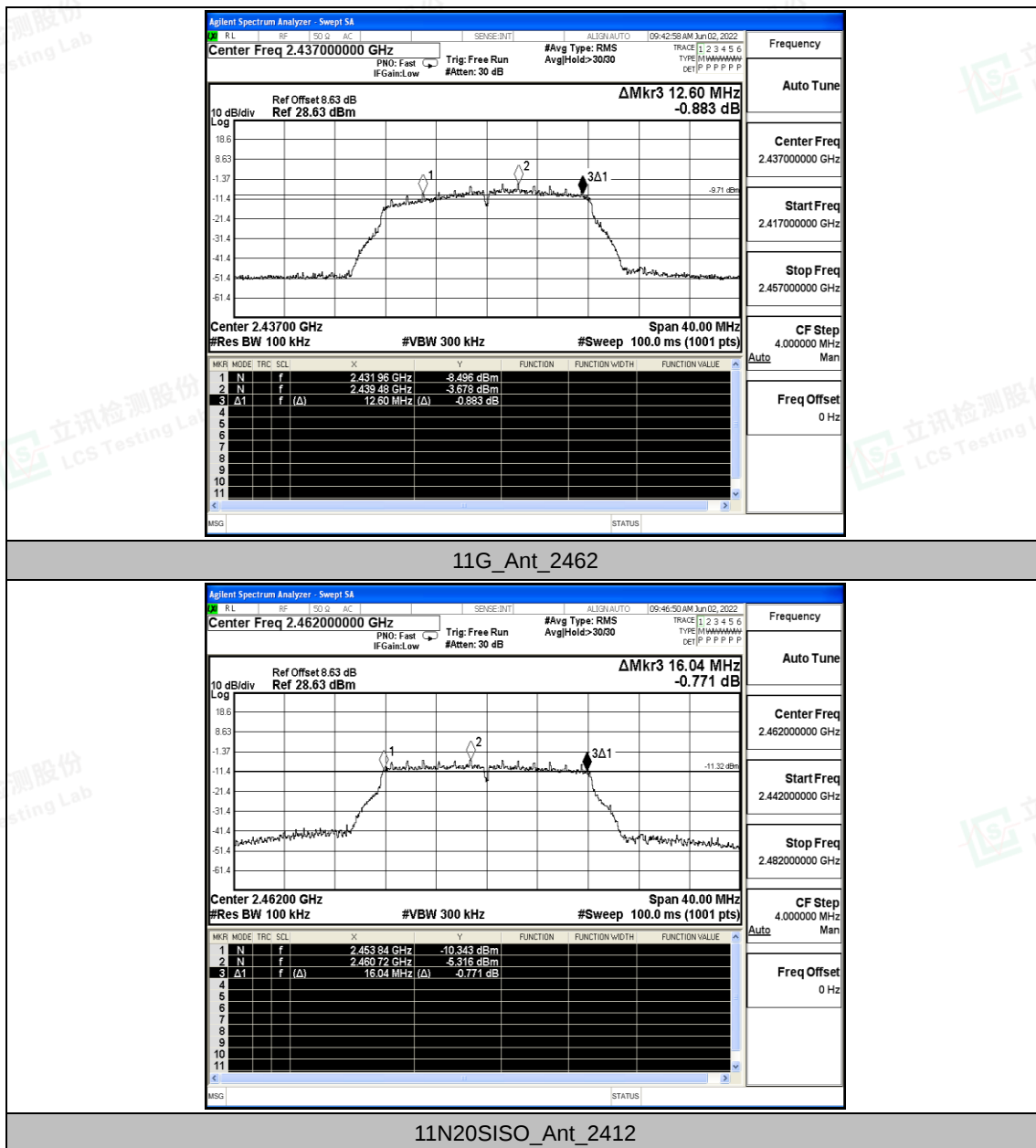


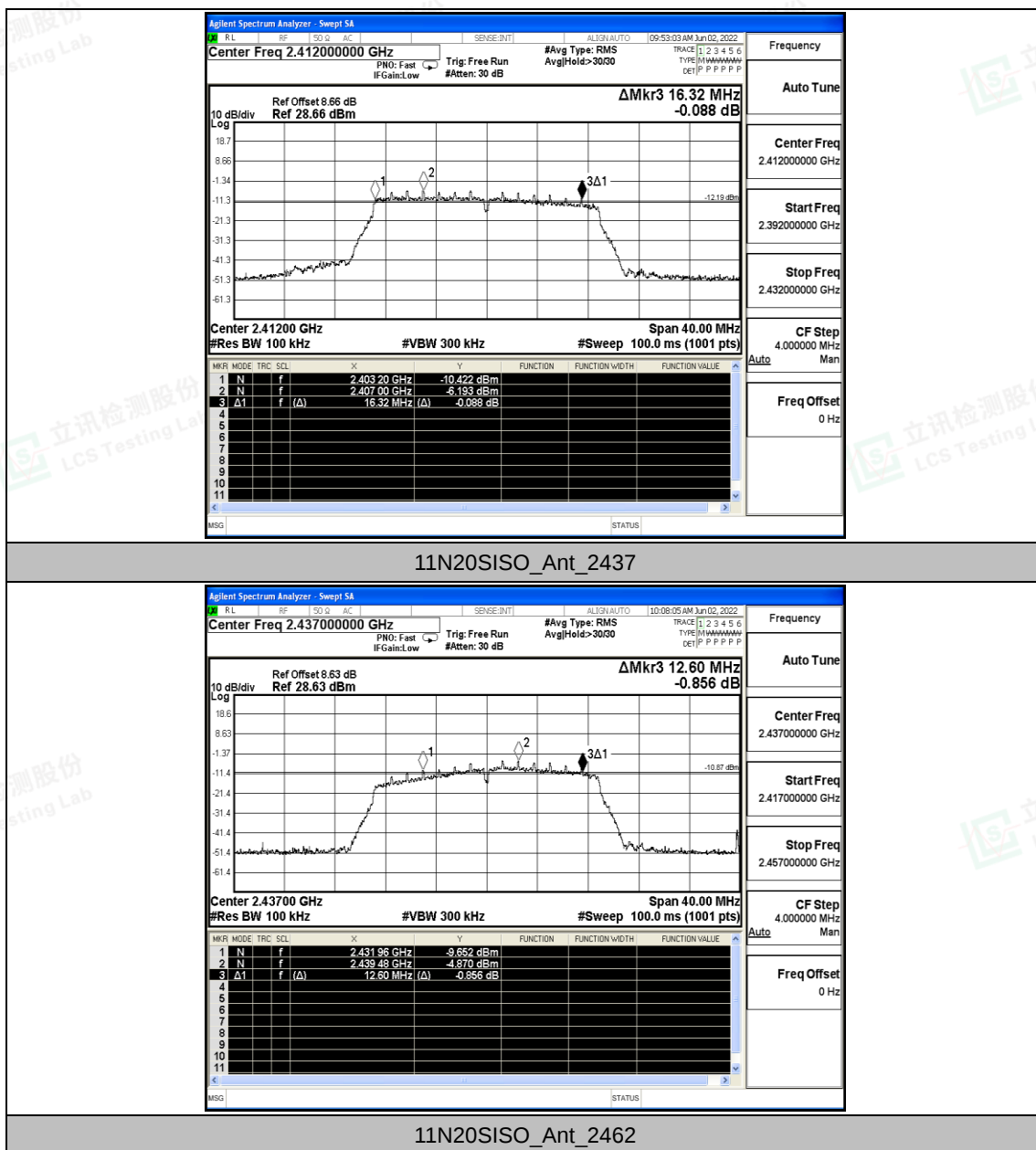
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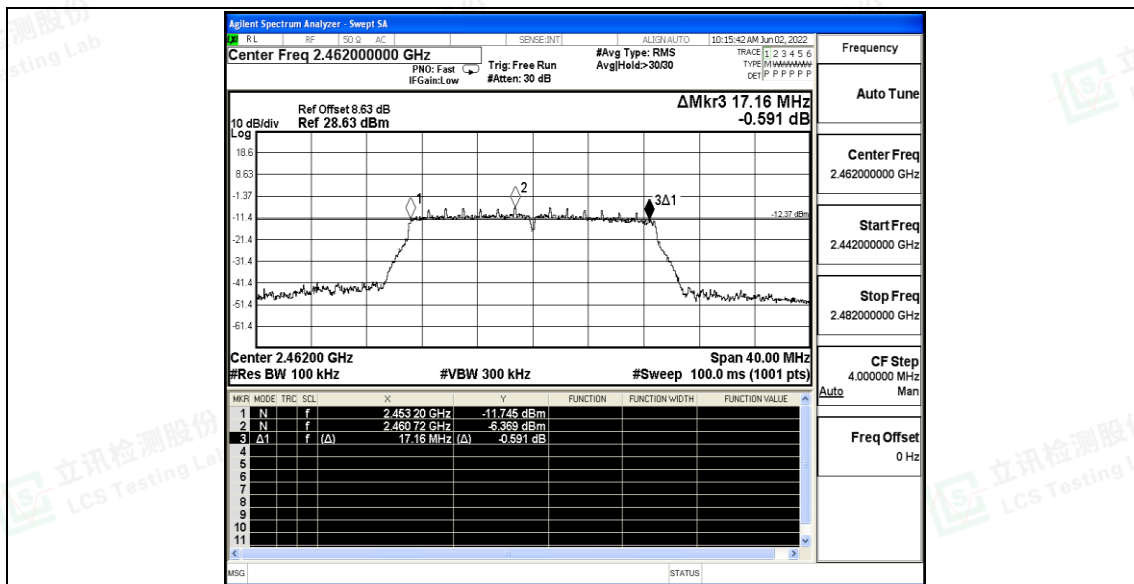
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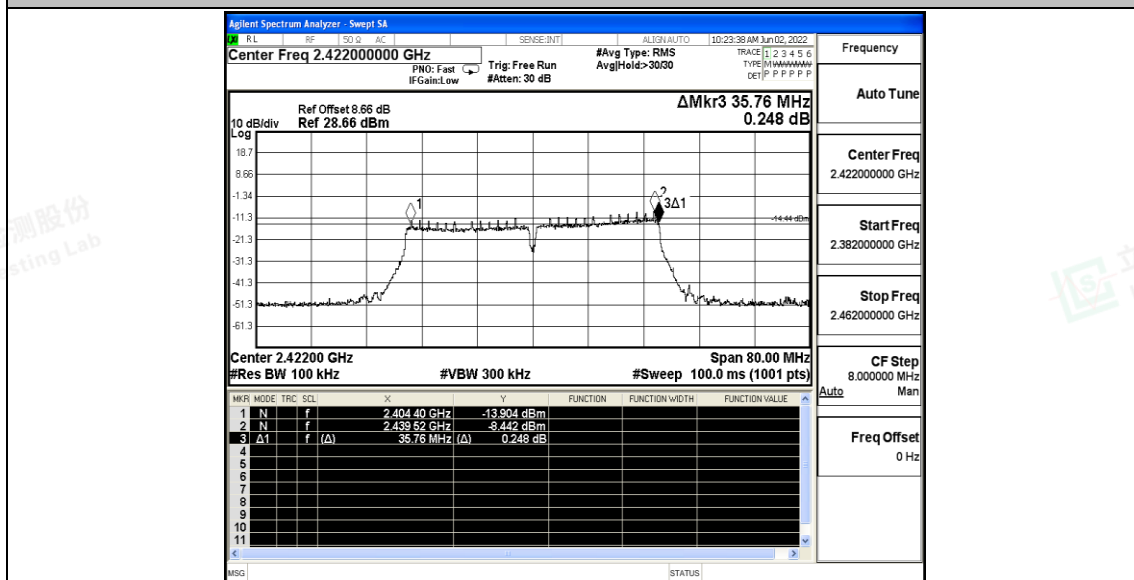
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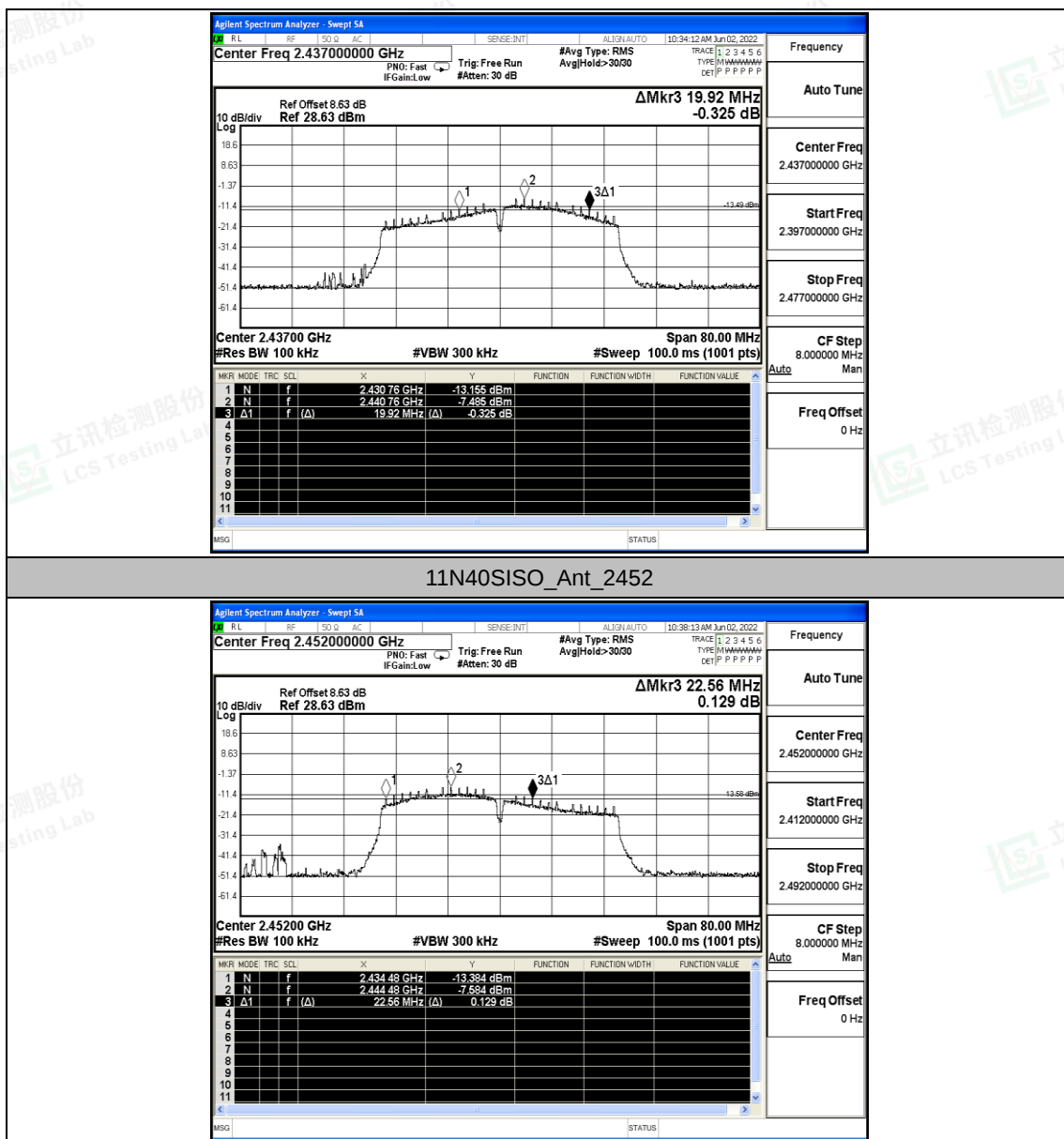


11N40SISO_Ant_2422



11N40SISO_Ant_2437







C.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant	2412	14.97	≤30.00	PASS
		2437	15.04	≤30.00	PASS
		2462	15.06	≤30.00	PASS
11G	Ant	2412	13.88	≤30.00	PASS
		2437	13.98	≤30.00	PASS
		2462	13.62	≤30.00	PASS
11N20SISO	Ant	2412	12.56	≤30.00	PASS
		2437	12.54	≤30.00	PASS
		2462	12.43	≤30.00	PASS
11N40SISO	Ant	2422	11.70	≤30.00	PASS
		2437	11.64	≤30.00	PASS
		2452	12.00	≤30.00	PASS





C.3 Maximum power spectral density

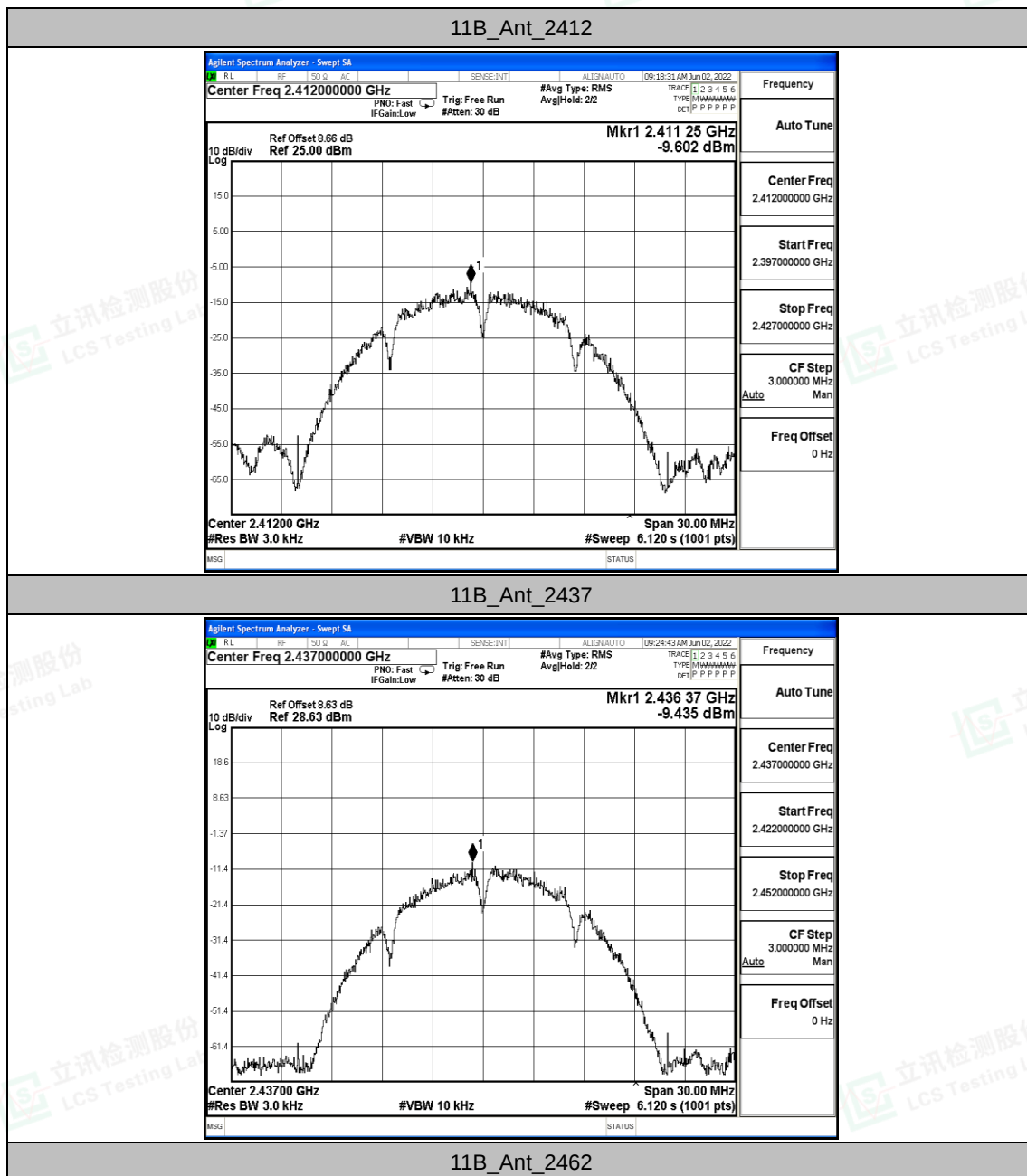
Test Result

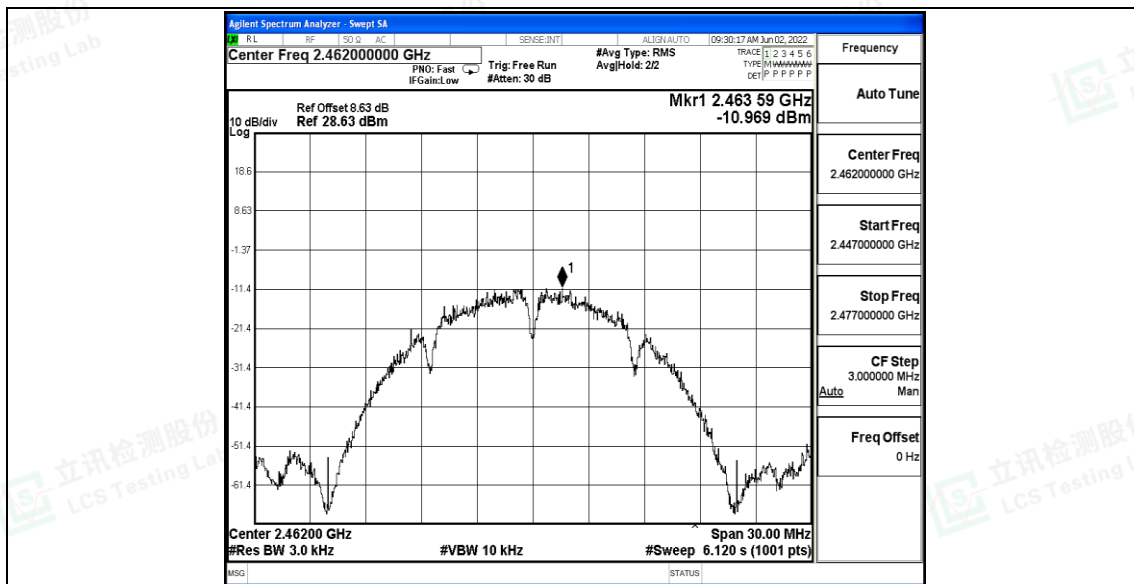
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant	2412	-9.6	≤8.00	PASS
		2437	-9.44	≤8.00	PASS
		2462	-10.97	≤8.00	PASS
11G	Ant	2412	-18.45	≤8.00	PASS
		2437	-18.15	≤8.00	PASS
		2462	-19.7	≤8.00	PASS
11N20SISO	Ant	2412	-20.62	≤8.00	PASS
		2437	-20.61	≤8.00	PASS
		2462	-20.31	≤8.00	PASS
11N40SISO	Ant	2422	-23.54	≤8.00	PASS
		2437	-22.55	≤8.00	PASS
		2452	-22.45	≤8.00	PASS



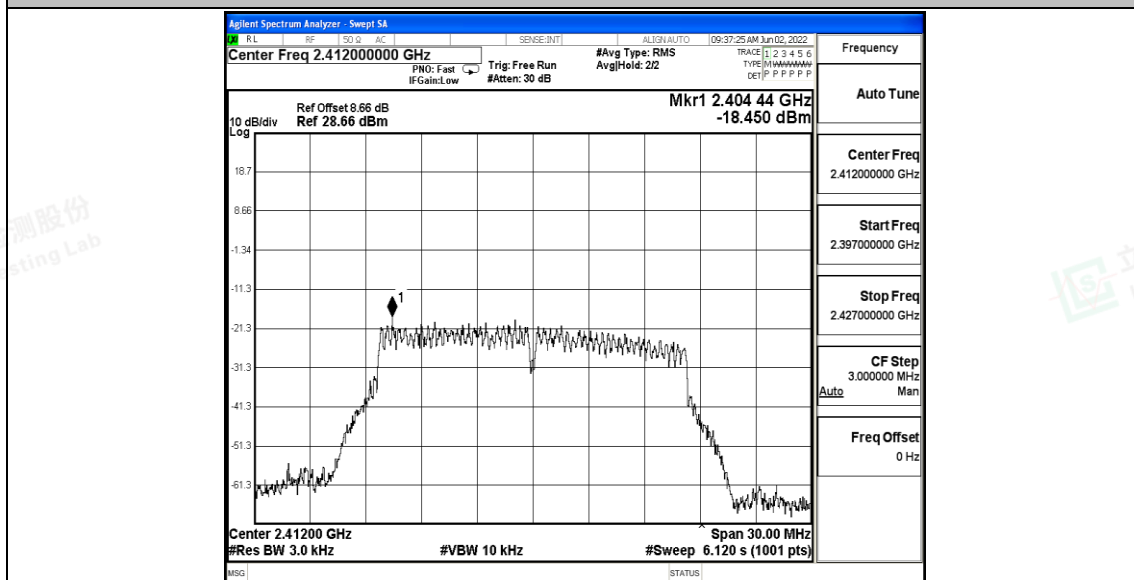


Test Graphs



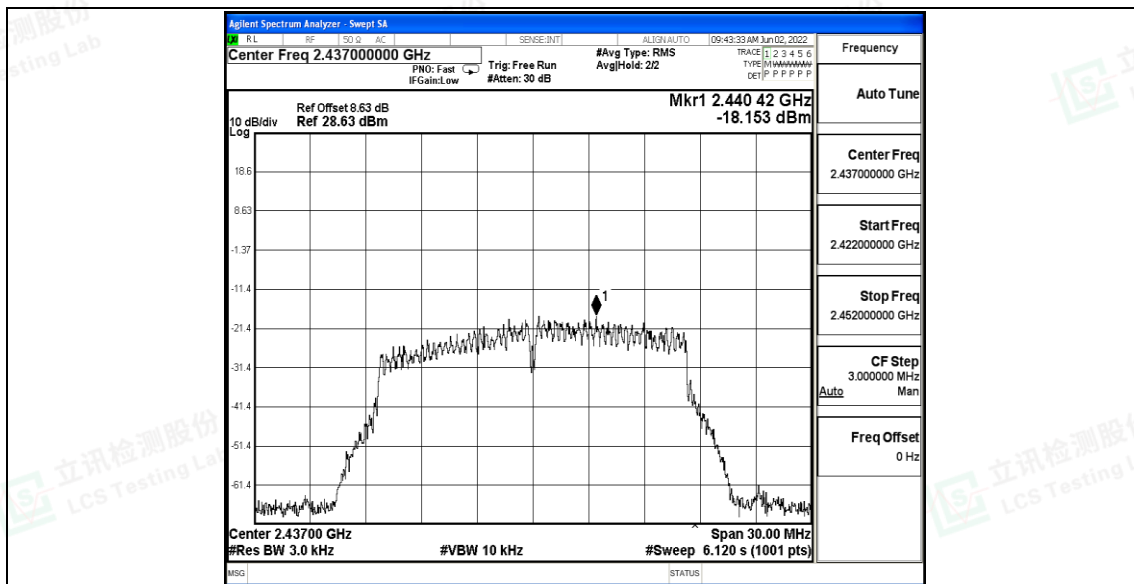


11G_Ant_2412

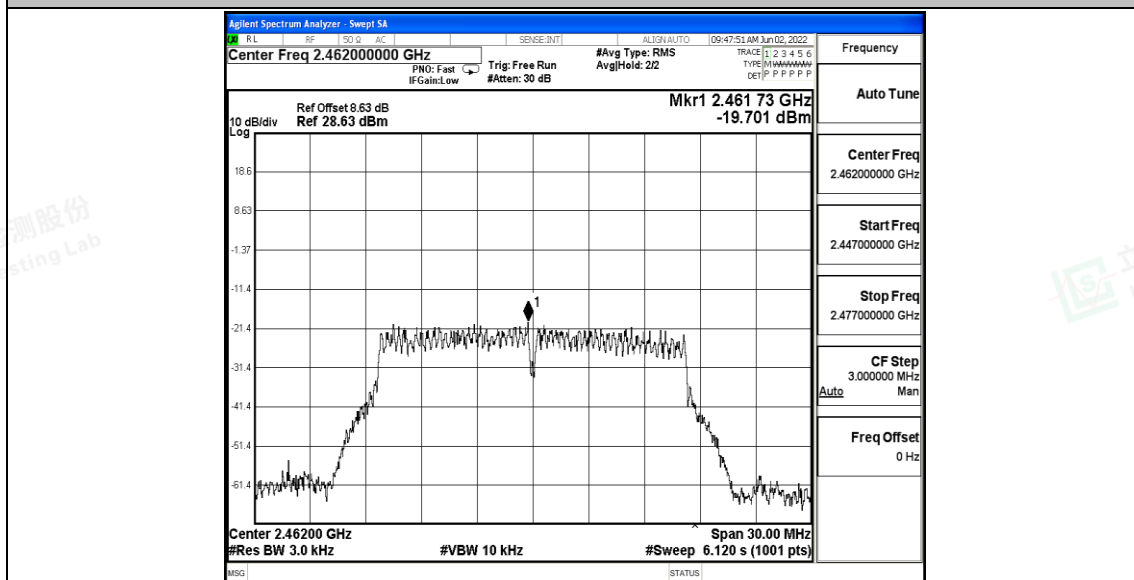


11G_Ant_2437



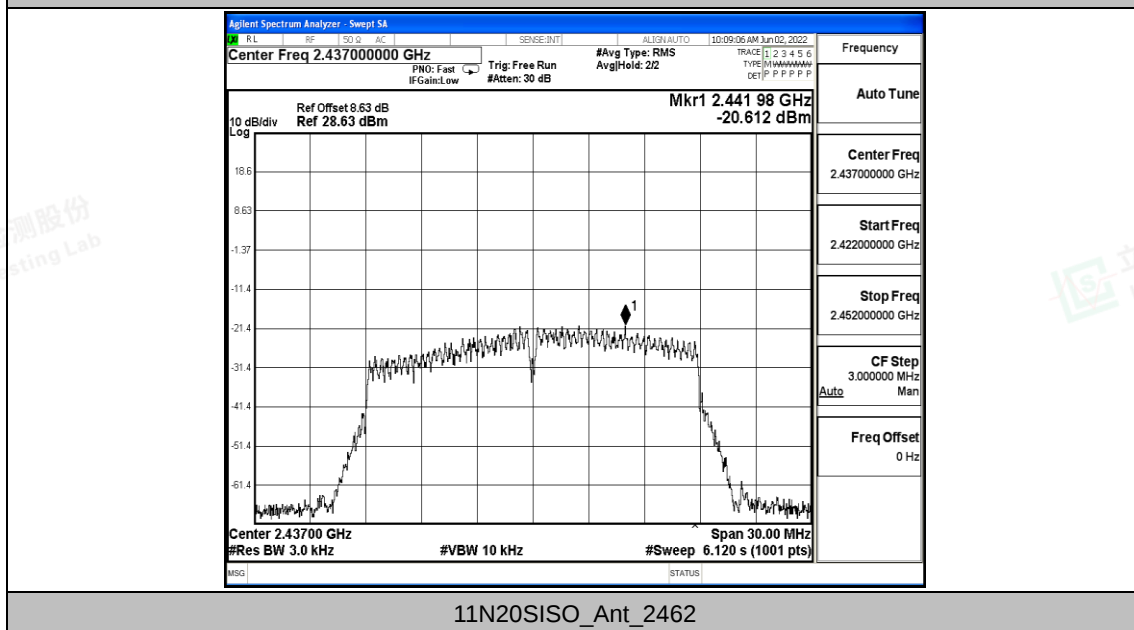
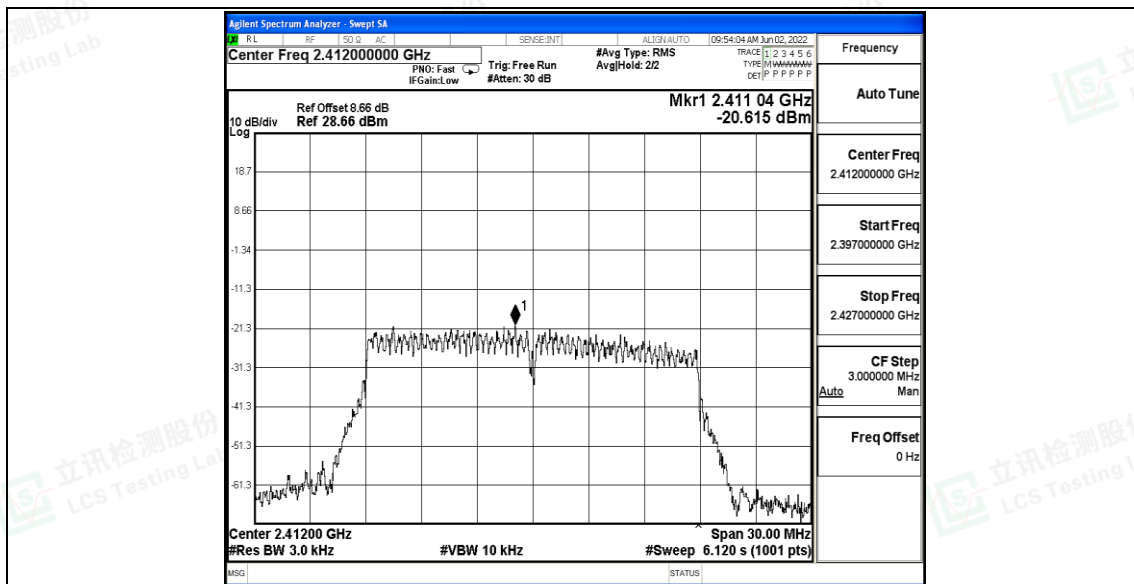


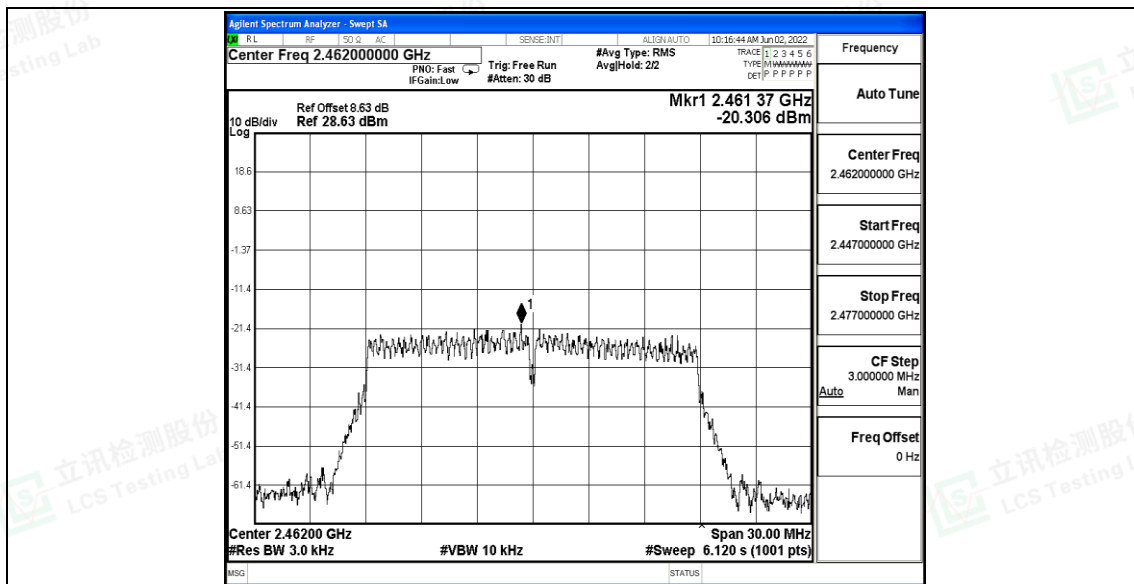
11G_Ant_2462



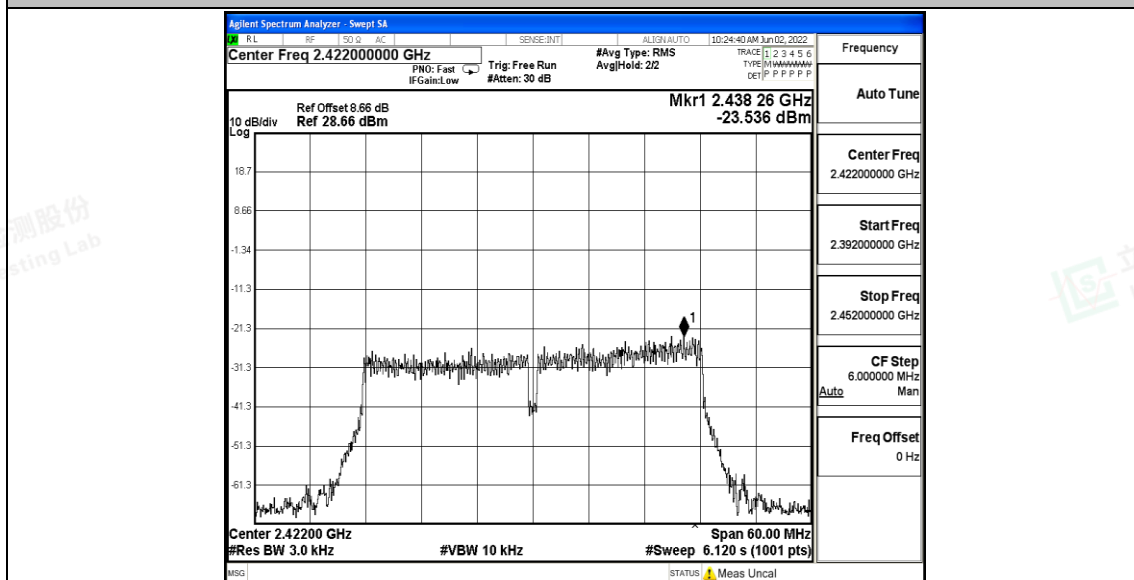
11N20SISO_Ant_2412





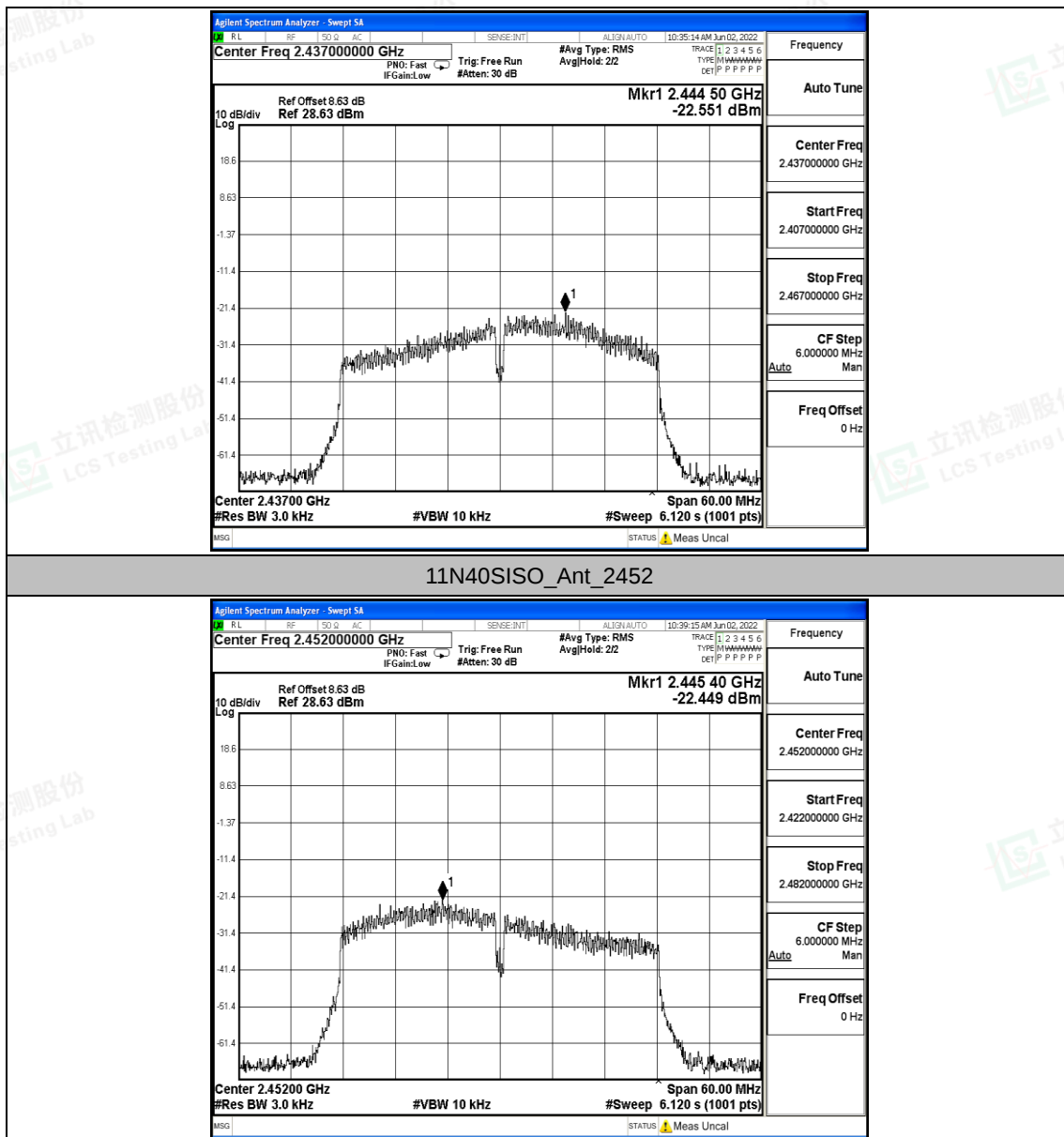


11N40SISO_Ant_2422



11N40SISO_Ant_2437







C.4 Band edge measurements

Test Result

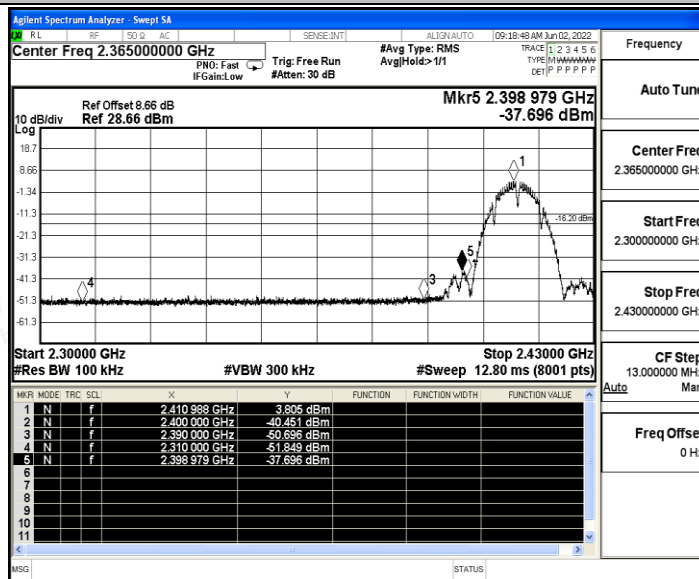
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant	Low	2412	3.81	-37.7	≤ -16.2	PASS
		High	2462	3.97	-48.36	≤ -16.03	PASS
11G	Ant	Low	2412	-4.70	-39.46	≤ -24.7	PASS
		High	2462	-5.23	-48.49	≤ -25.23	PASS
11N20SISO	Ant	Low	2412	-6.15	-42.17	≤ -26.15	PASS
		High	2462	-6.41	-48.35	≤ -26.41	PASS
11N40SISO	Ant	Low	2422	-10.90	-45.32	≤ -30.9	PASS
		High	2452	-7.55	-47.61	≤ -27.55	PASS



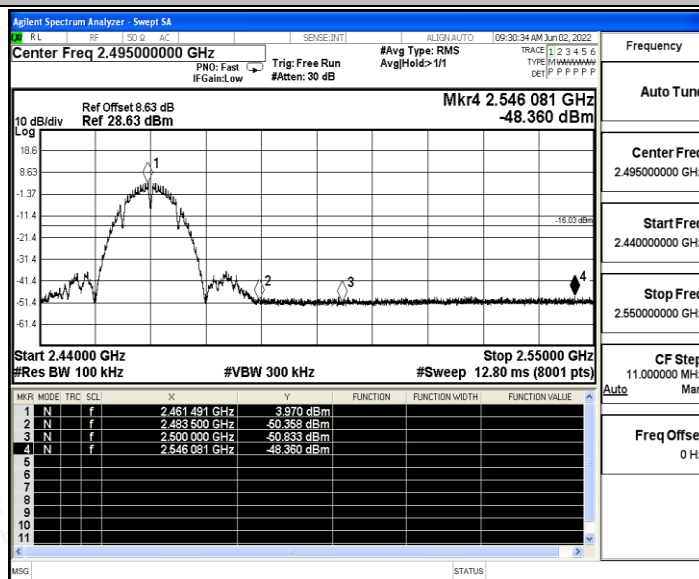


Test Graphs

11B_Ant_Low_2412



11B_Ant_High_2462



11G_Ant_Low_2412

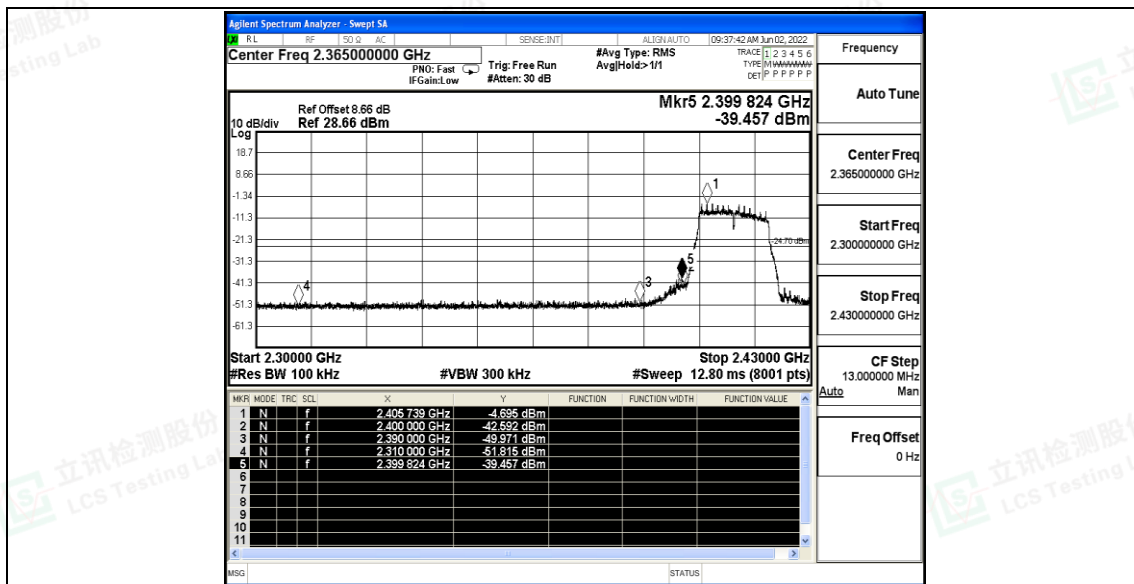


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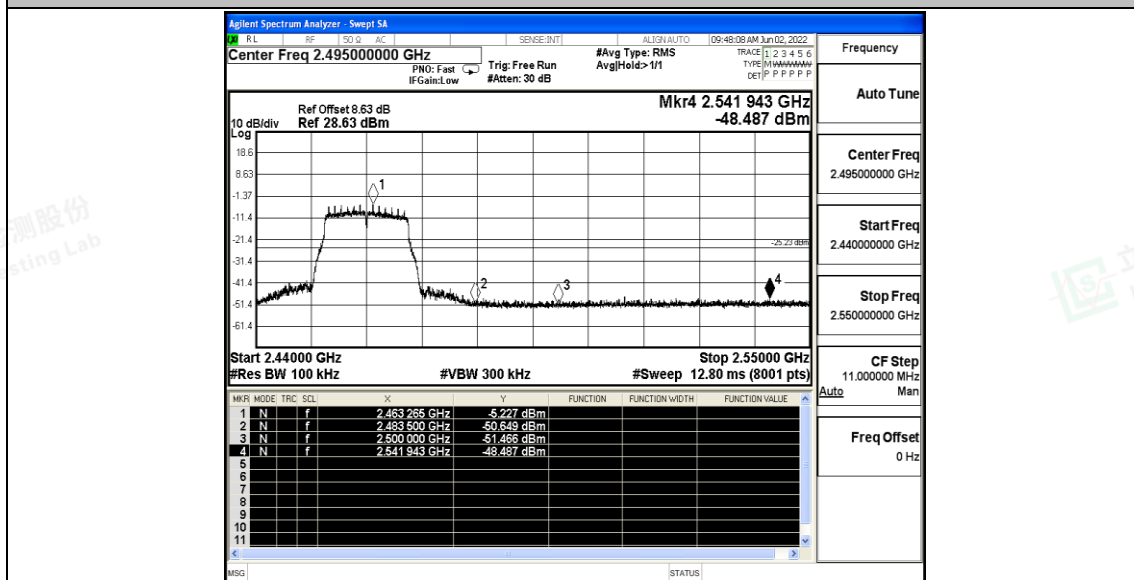
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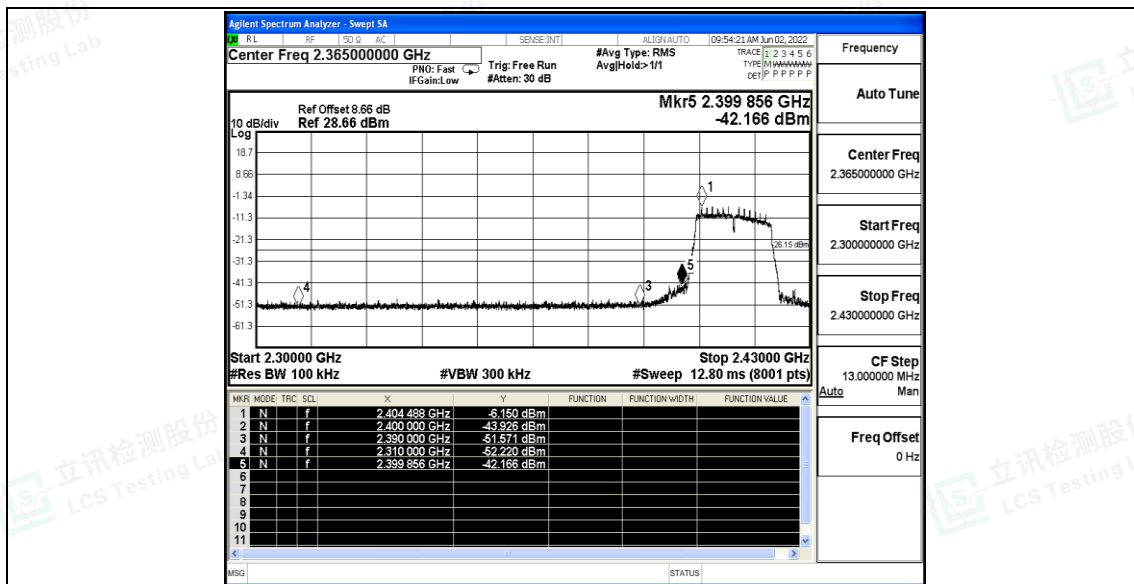


11G_Ant_High_2462

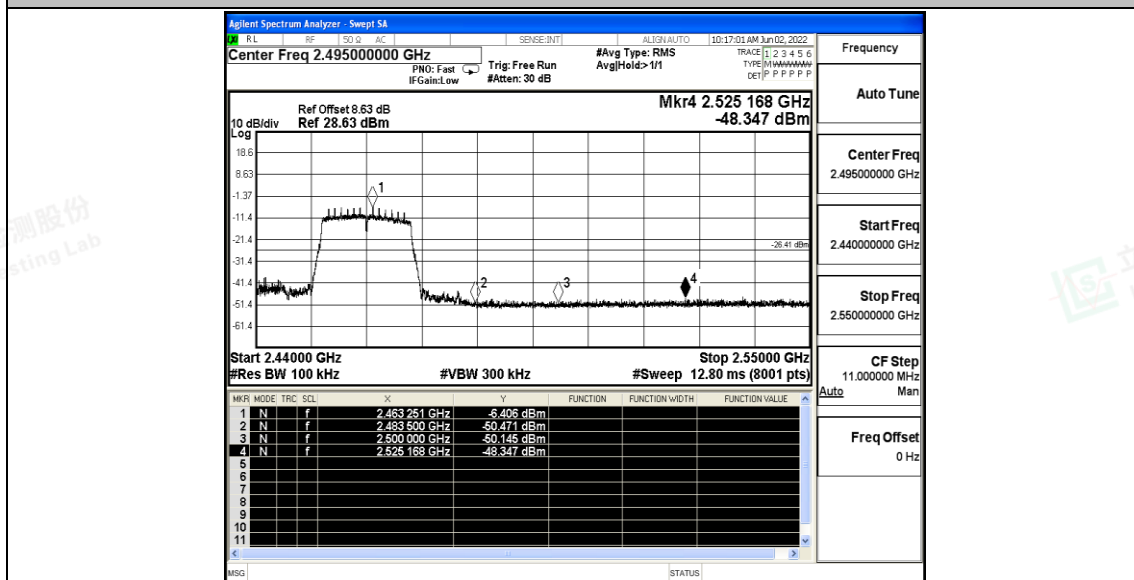


11N20SISO_Ant_Low_2412



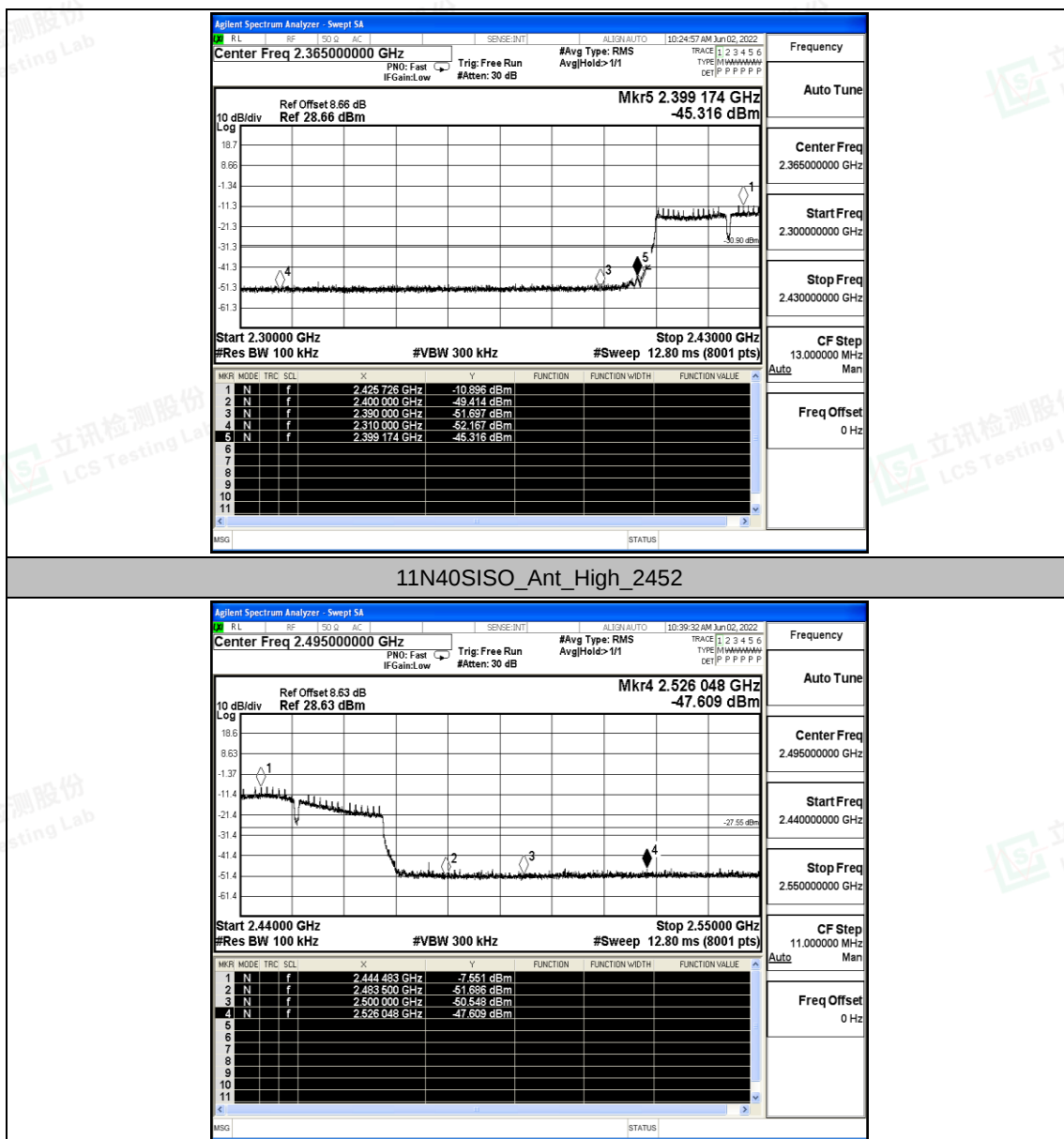


11N20SISO_Ant_High_2462



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	4.00	4.00	---	PASS
			30~1000	4.00	-51.89	≤-16	PASS
			1000~26500	4.00	-45.77	≤-16	PASS
		2437	Reference	4.32	4.32	---	PASS
			30~1000	4.32	-52.43	≤-15.68	PASS
			1000~26500	4.32	-44.76	≤-15.68	PASS
		2462	Reference	3.74	3.74	---	PASS
			30~1000	3.74	-50.08	≤-16.26	PASS
			1000~26500	3.74	-43.98	≤-16.26	PASS
11G	Ant	2412	Reference	-4.87	-4.87	---	PASS
			30~1000	-4.87	-51.3	≤-24.87	PASS
			1000~26500	-4.87	-45.21	≤-24.87	PASS
		2437	Reference	-3.46	-3.46	---	PASS
			30~1000	-3.46	-50.82	≤-23.46	PASS
			1000~26500	-3.46	-44.83	≤-23.46	PASS
		2462	Reference	-5.08	-5.08	---	PASS
			30~1000	-5.08	-51.87	≤-25.08	PASS
			1000~26500	-5.08	-45.92	≤-25.08	PASS
11N20SISO	Ant	2412	Reference	-5.97	-5.97	---	PASS
			30~1000	-5.97	-50.63	≤-25.97	PASS
			1000~26500	-5.97	-46.1	≤-25.97	PASS
		2437	Reference	-4.34	-4.34	---	PASS
			30~1000	-4.34	-55.41	≤-24.34	PASS
			1000~26500	-4.34	-46	≤-24.34	PASS
		2462	Reference	-6.24	-6.24	---	PASS
			30~1000	-6.24	-56.04	≤-26.24	PASS
			1000~26500	-6.24	-45.92	≤-26.24	PASS
11N40SISO	Ant	2422	Reference	-8.25	-8.25	---	PASS
			30~1000	-8.25	-55.61	≤-28.25	PASS
			1000~26500	-8.25	-38.85	≤-28.25	PASS
		2437	Reference	-7.35	-7.35	---	PASS
			30~1000	-7.35	-54.63	≤-27.35	PASS
			1000~26500	-7.35	-33.76	≤-27.35	PASS
		2452	Reference	-7.47	-7.47	---	PASS
			30~1000	-7.47	-55.38	≤-27.47	PASS



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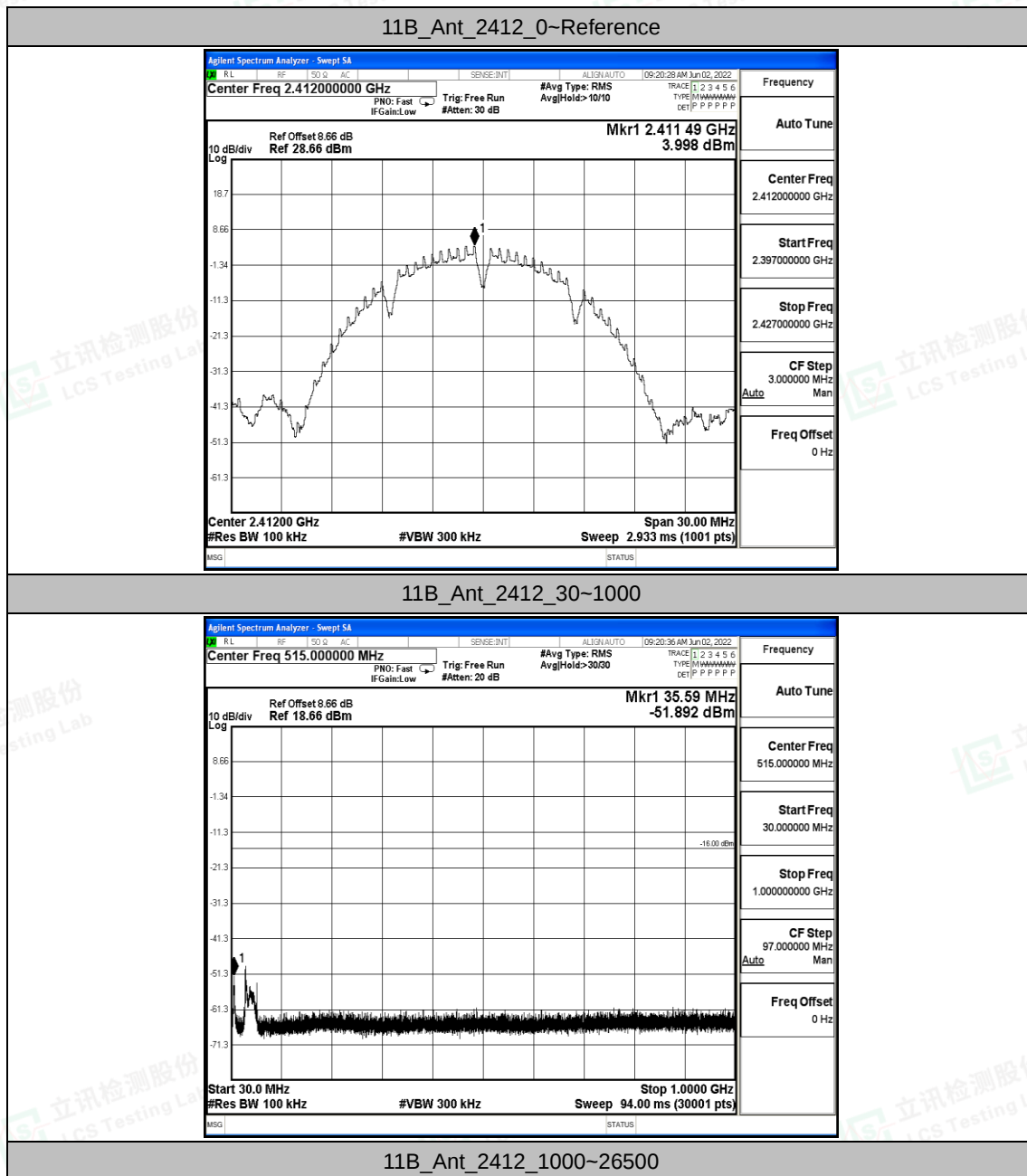
			1000~26500	-7.47	-42.58	≤-27.47	PASS
--	--	--	------------	-------	--------	---------	------

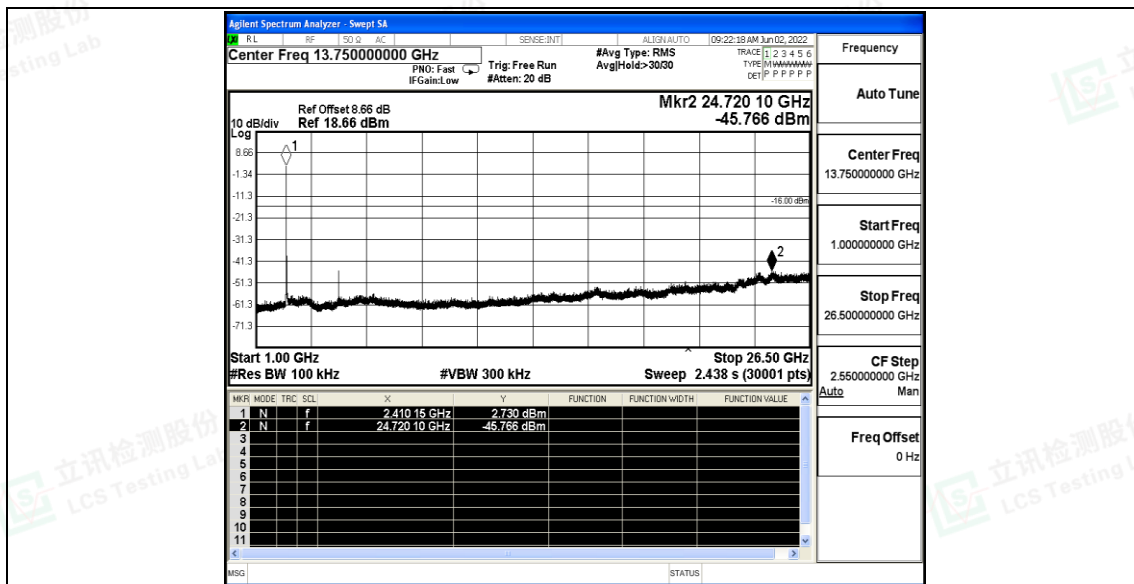


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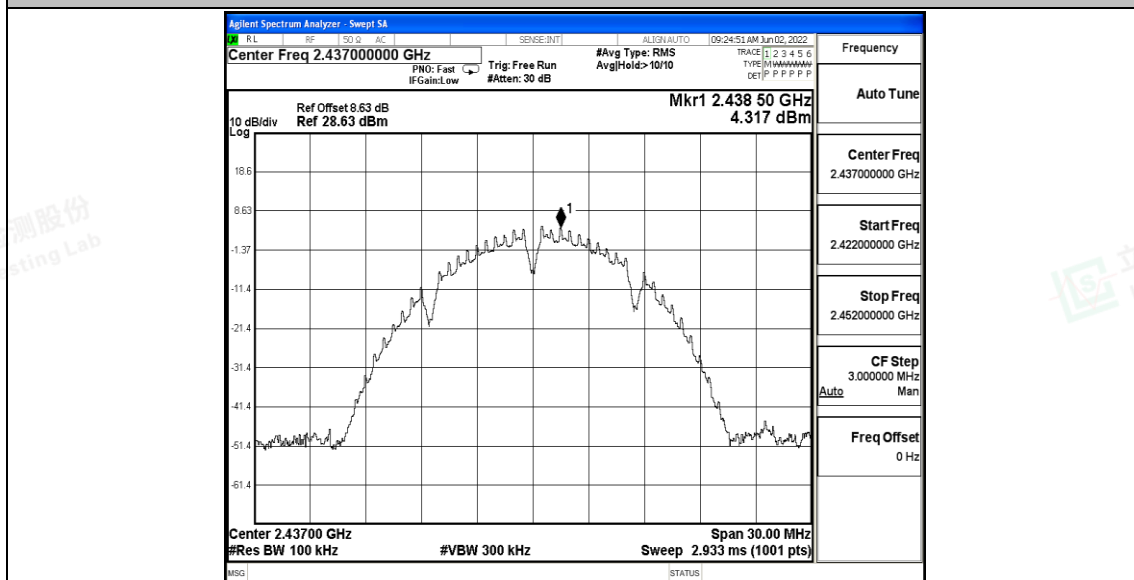


Test Graphs





11B_Ant_2437_0~Reference



11B_Ant_2437_30~1000

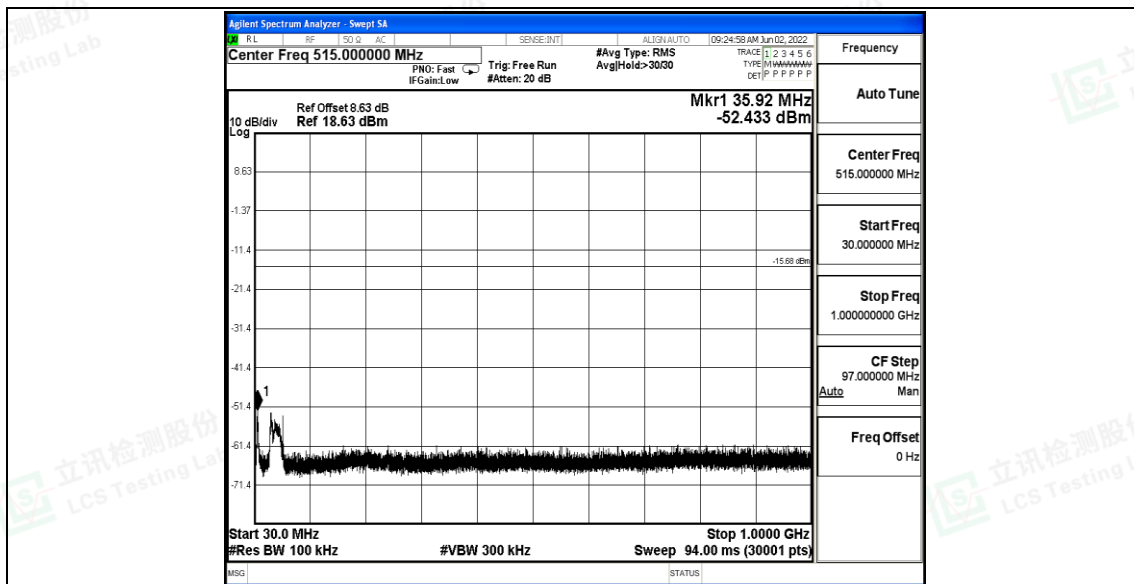


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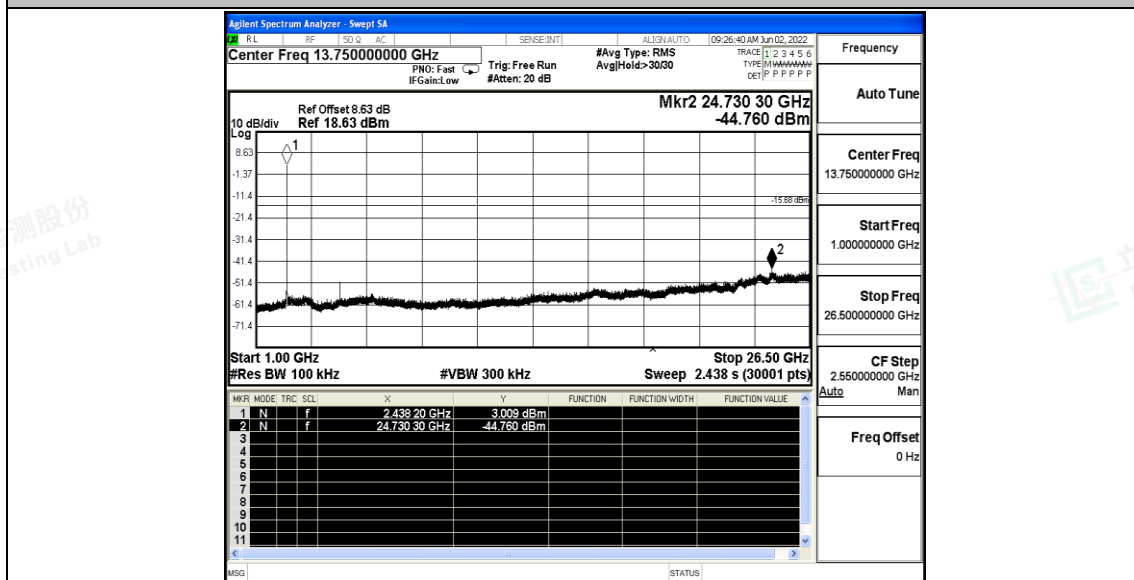
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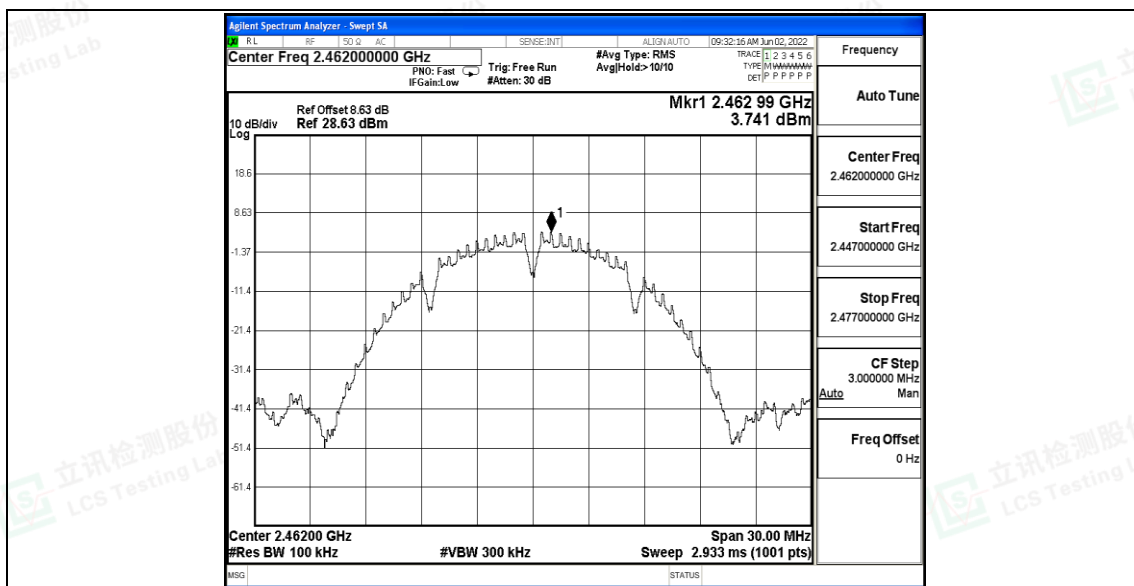


11B_Ant_2437_1000~26500

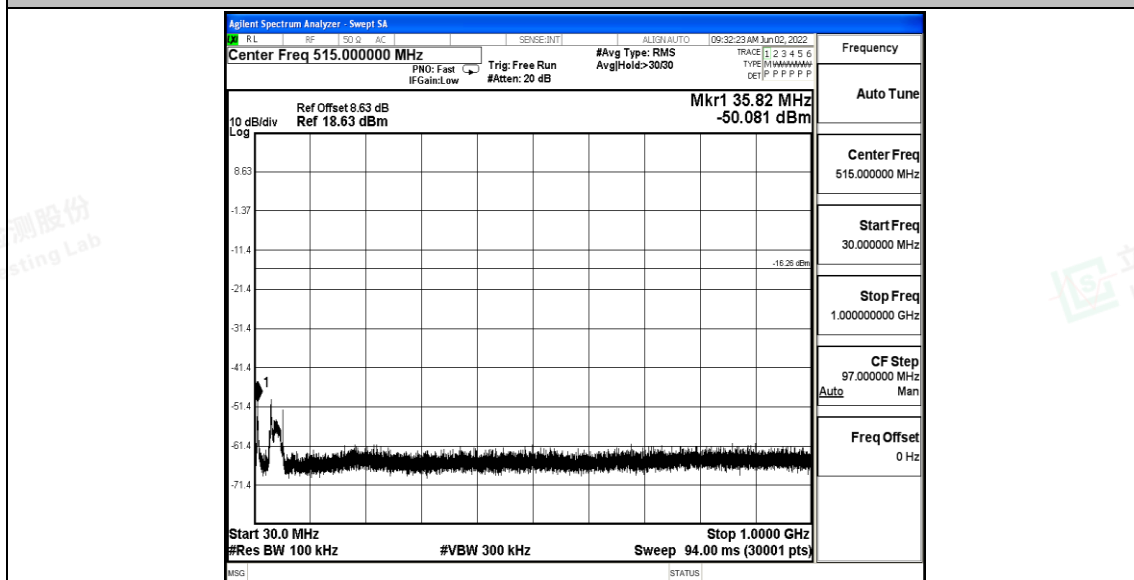


11B_Ant_2462_0~Reference



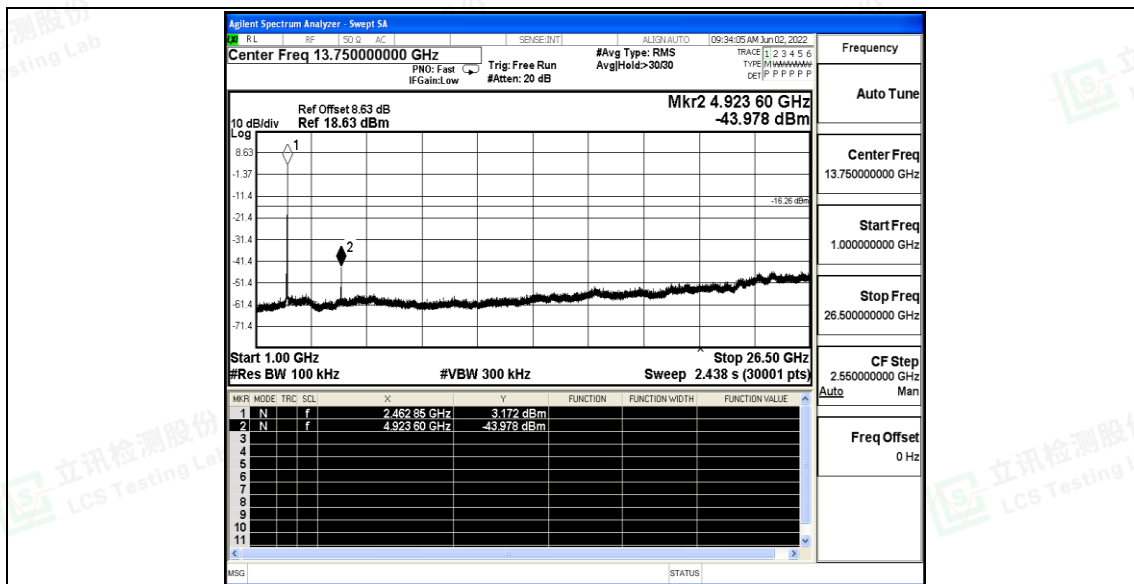


11B_Ant_2462_30~1000

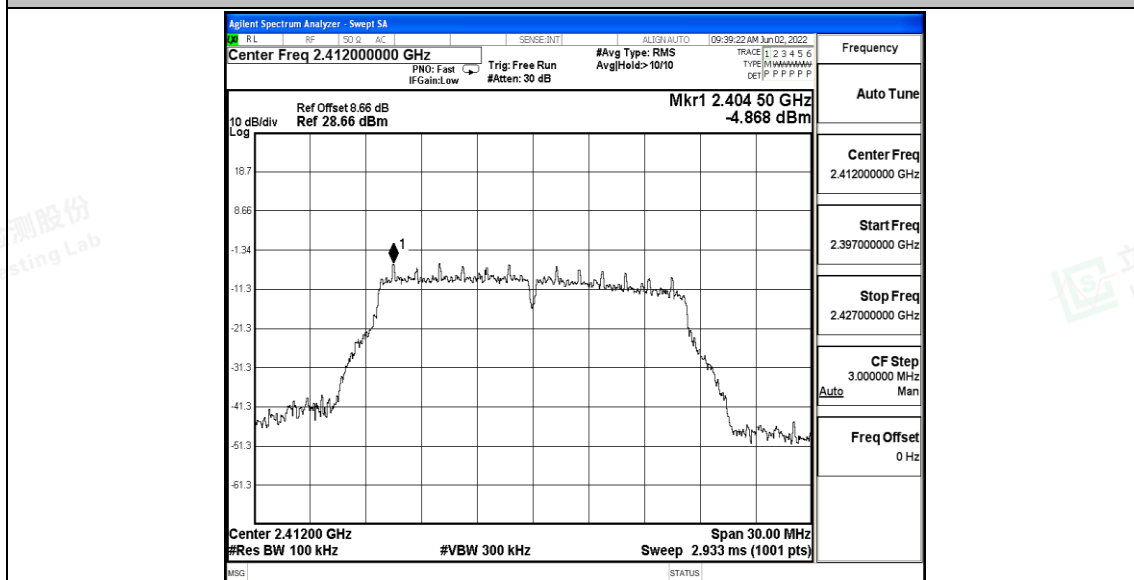


11B_Ant_2462_1000~26500





11G_Ant_2412_0~Reference



11G_Ant_2412_30~1000

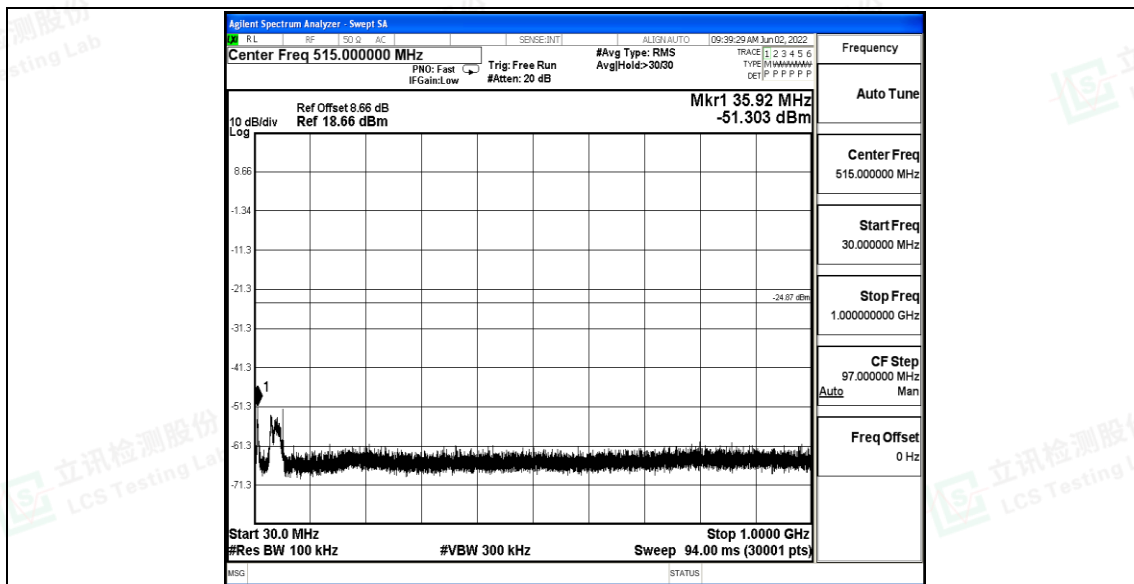


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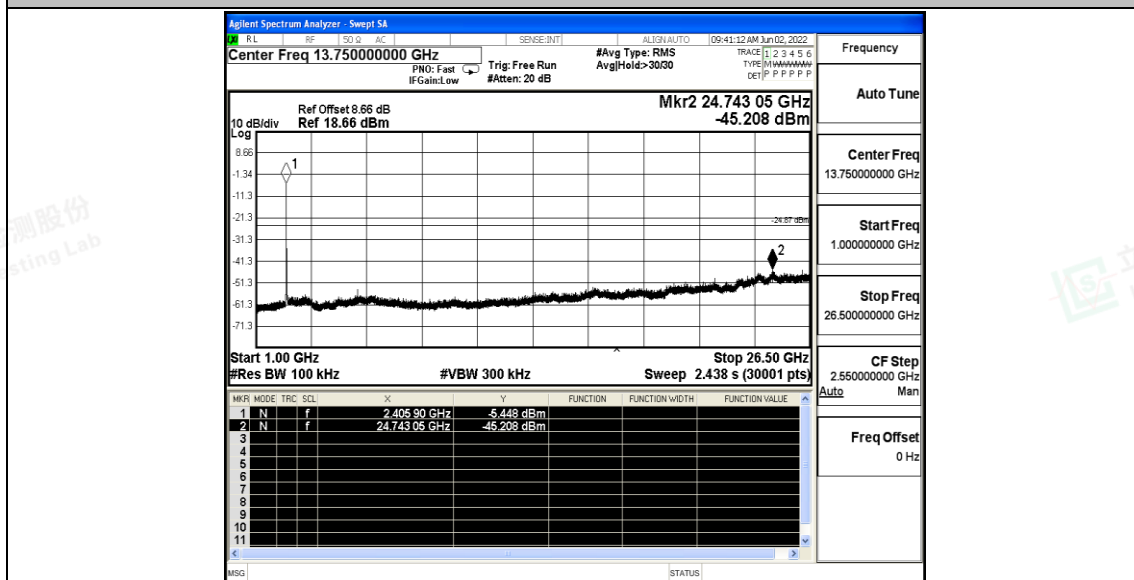
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11G_Ant_2412_1000~26500



11G_Ant_2437_0~Reference



