



Appendix A

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Optical camcorder

Test Model: DV930FZC

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen





A.1 DTS Bandwidth

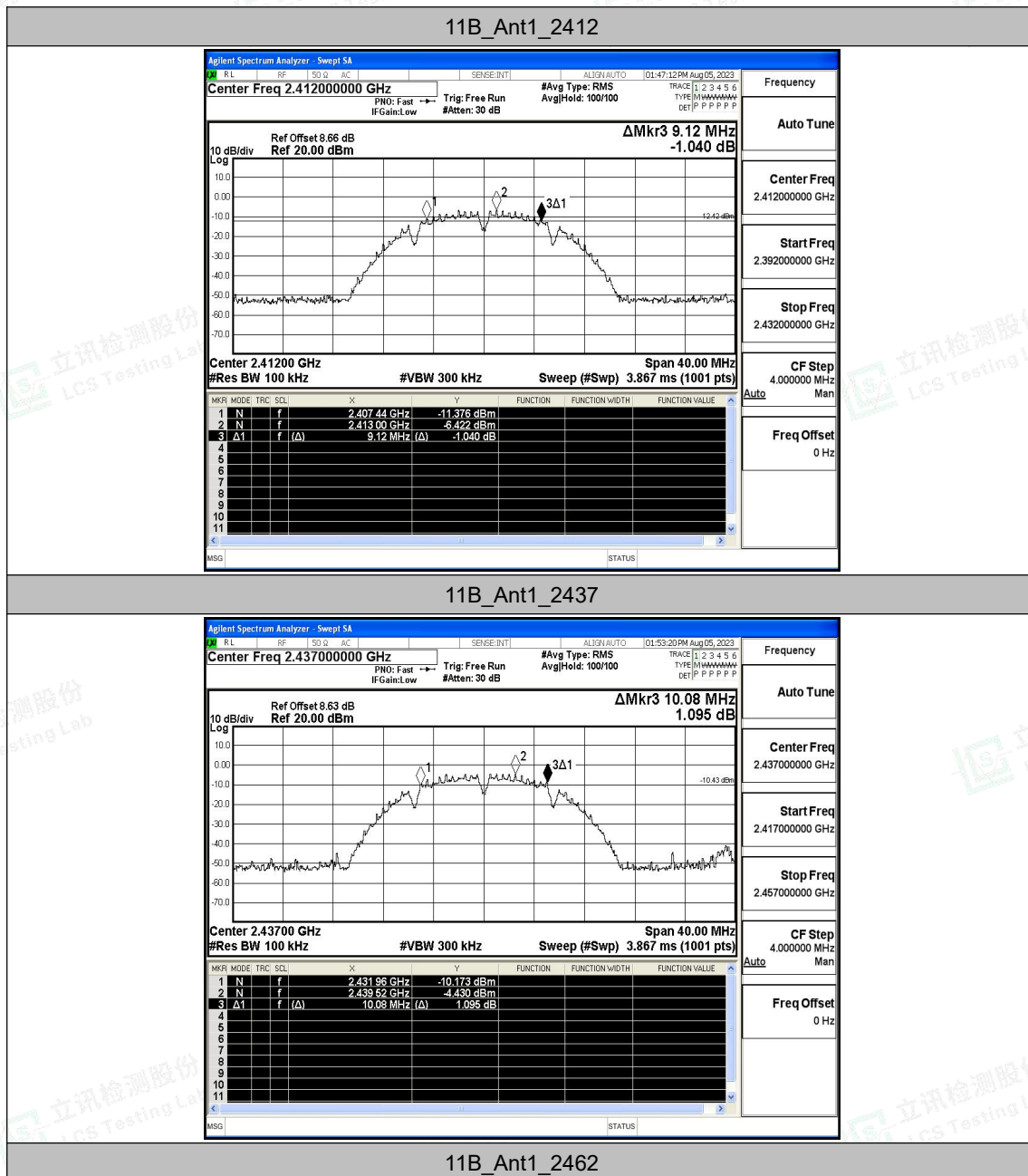
Test Result

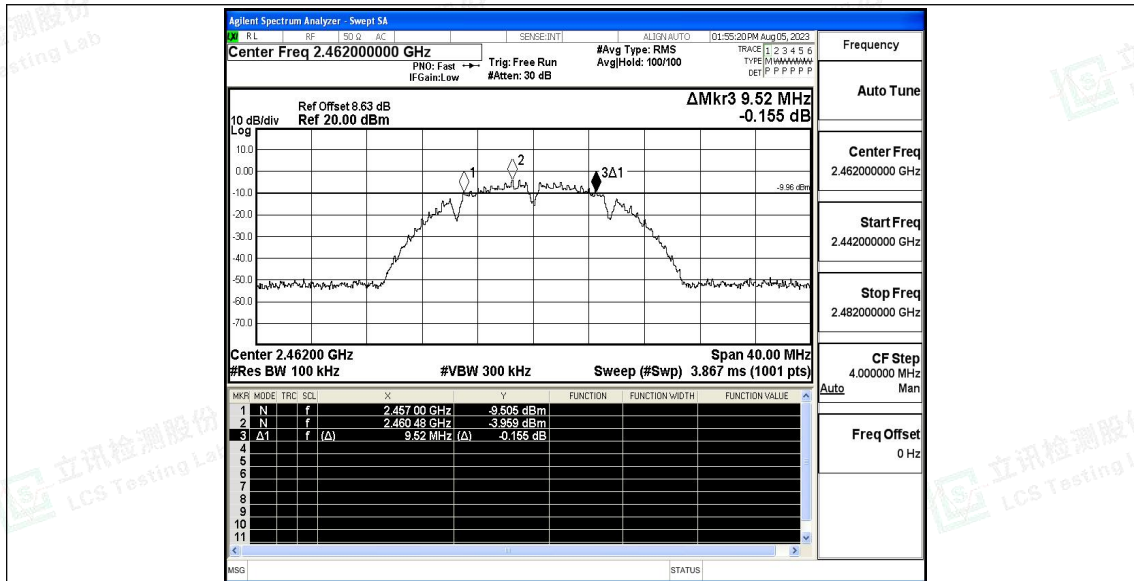
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.120	2407.440	2416.560	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	9.520	2457.000	2466.520	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.160	2404.000	2440.160	0.5	PASS
		2437	35.760	2419.160	2454.920	0.5	PASS
		2452	36.000	2434.160	2470.160	0.5	PASS



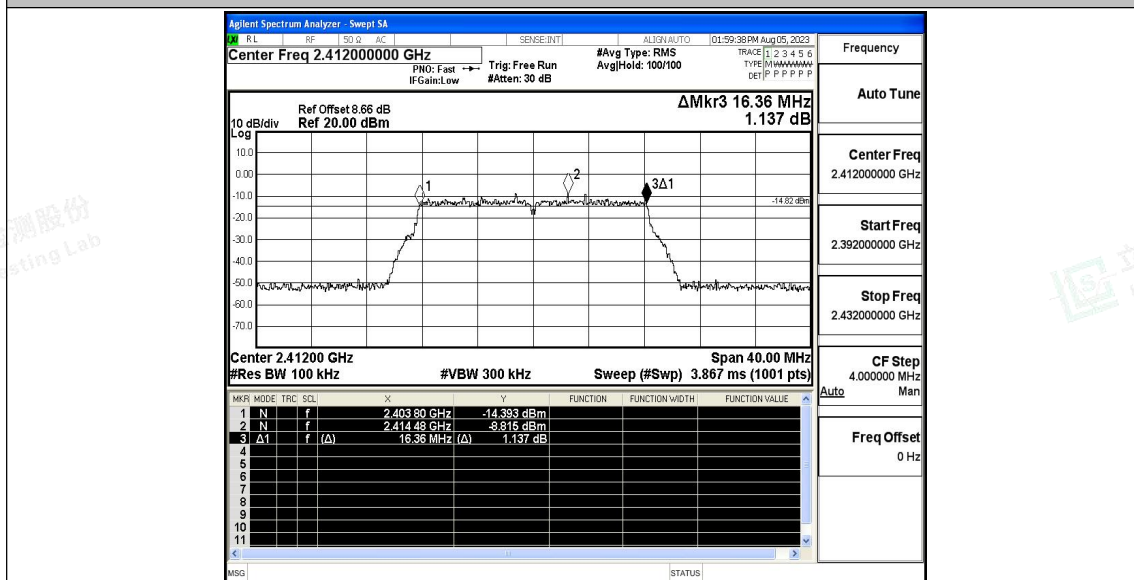


Test Graphs



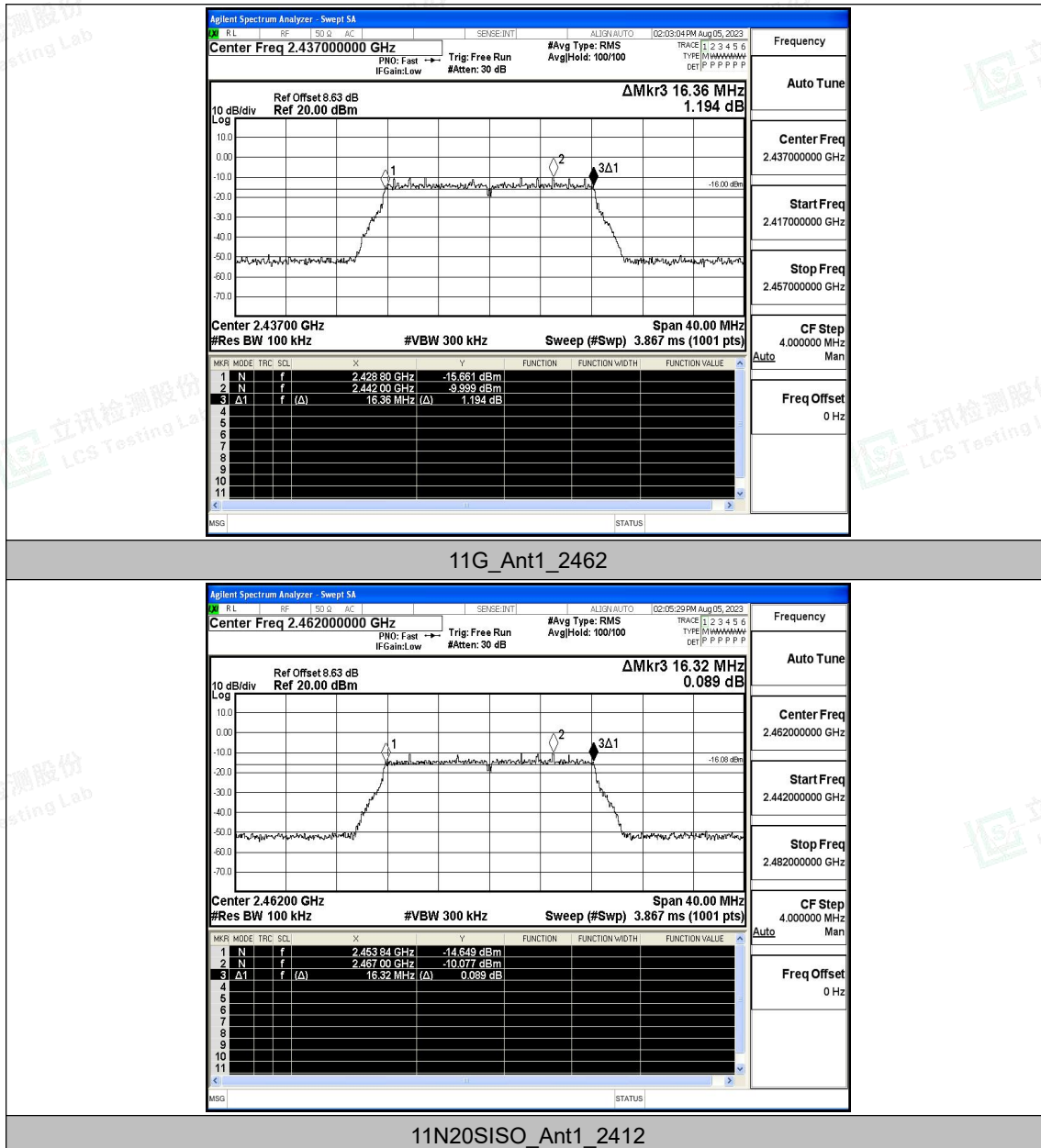


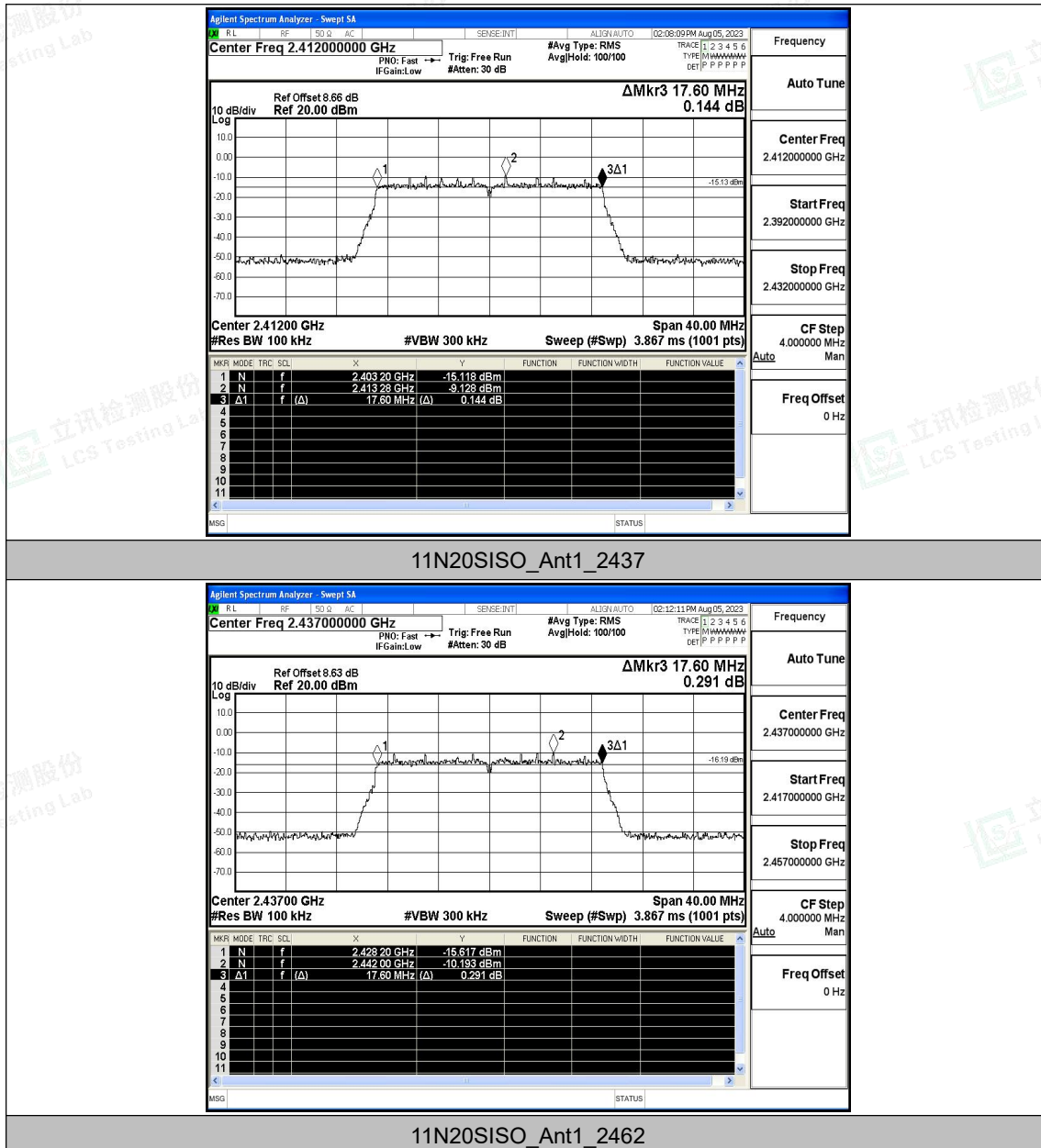
11G_Ant1_2412

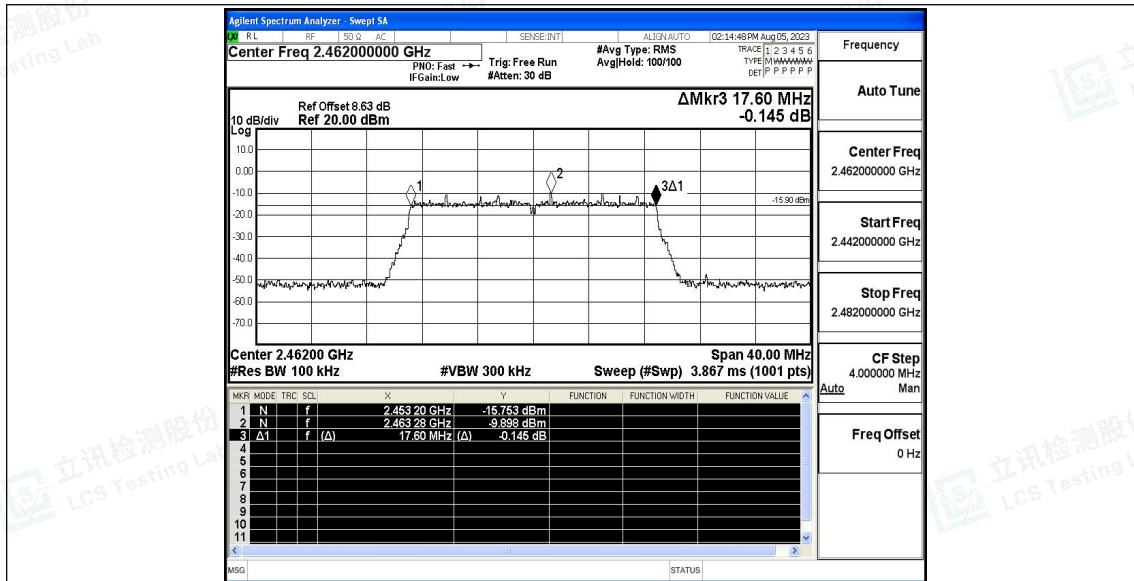


11G_Ant1_2437

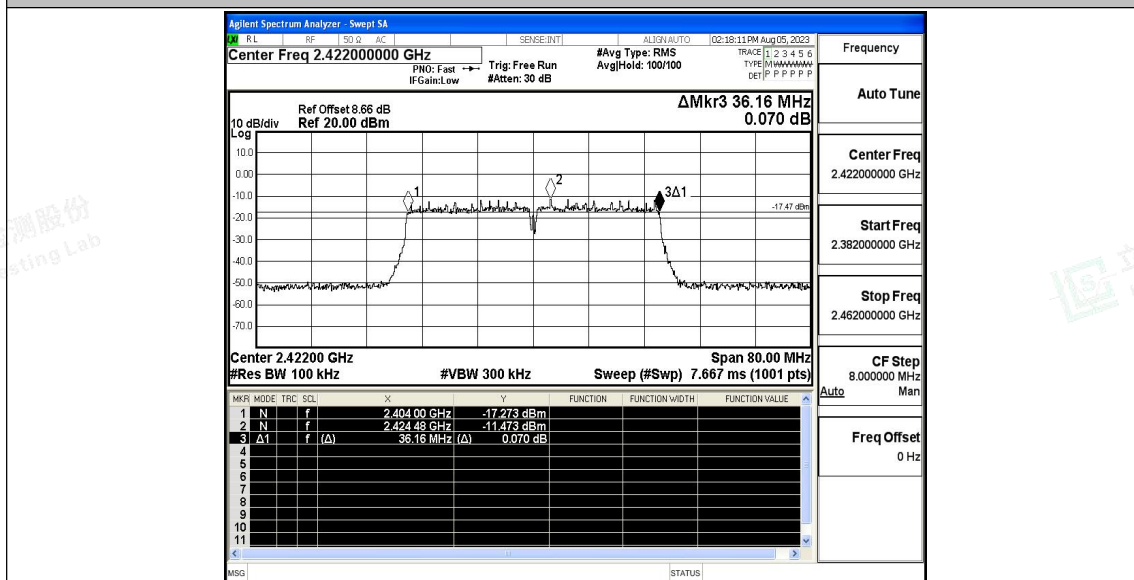






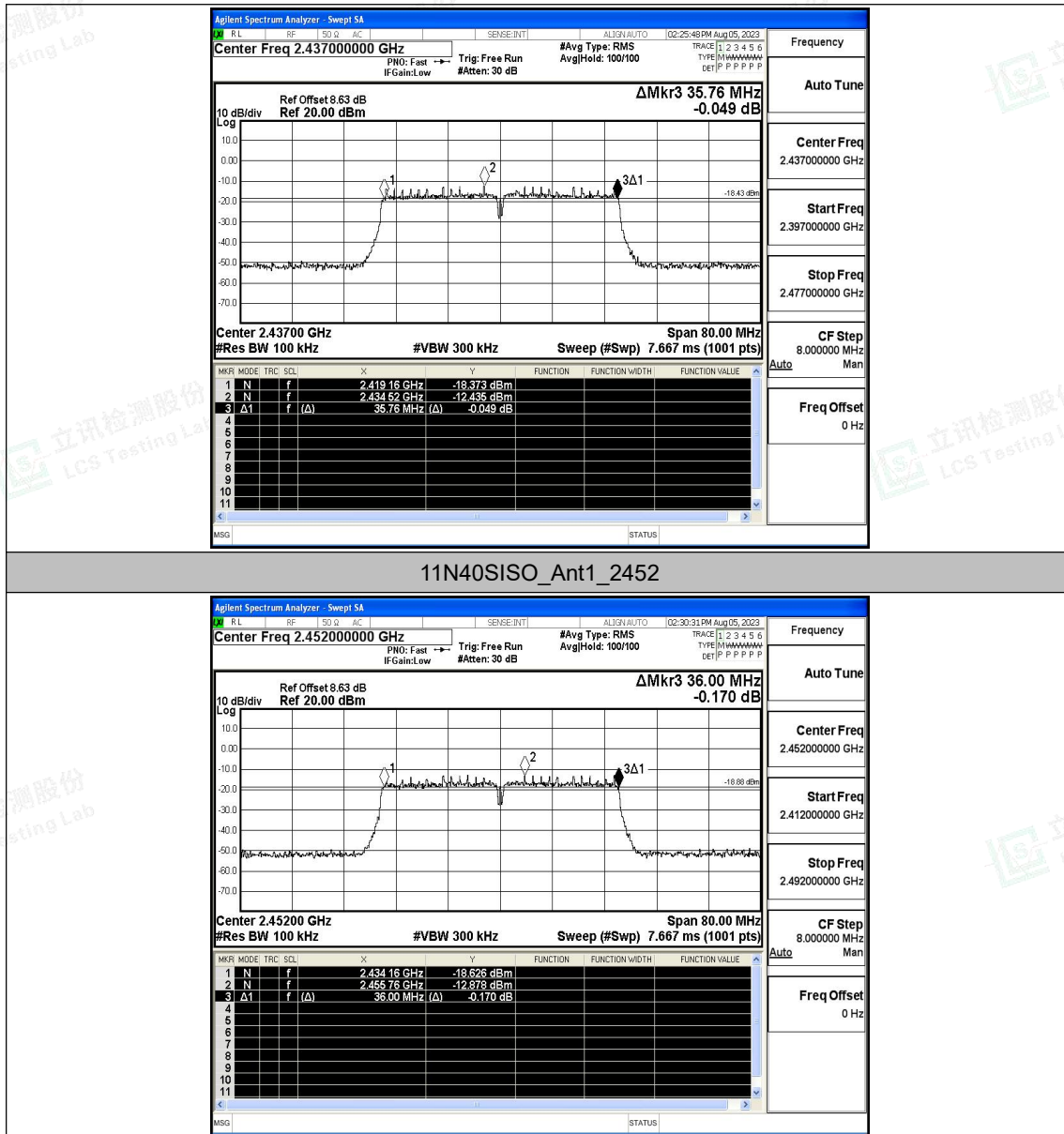


11N40SISO_Ant1_2422



11N40SISO_Ant1_2437







A.2 Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq(MHz)	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	8.03	≤30.00	PASS
		2437	8.35	≤30.00	PASS
		2462	8.18	≤30.00	PASS
11G	Ant1	2412	8.27	≤30.00	PASS
		2437	7.90	≤30.00	PASS
		2462	7.60	≤30.00	PASS
11N20SISO	Ant1	2412	8.45	≤30.00	PASS
		2437	7.96	≤30.00	PASS
		2462	7.49	≤30.00	PASS
11N40SISO	Ant1	2422	8.18	≤30.00	PASS
		2437	8.01	≤30.00	PASS
		2452	7.93	≤30.00	PASS





A.3 Maximum power spectral density

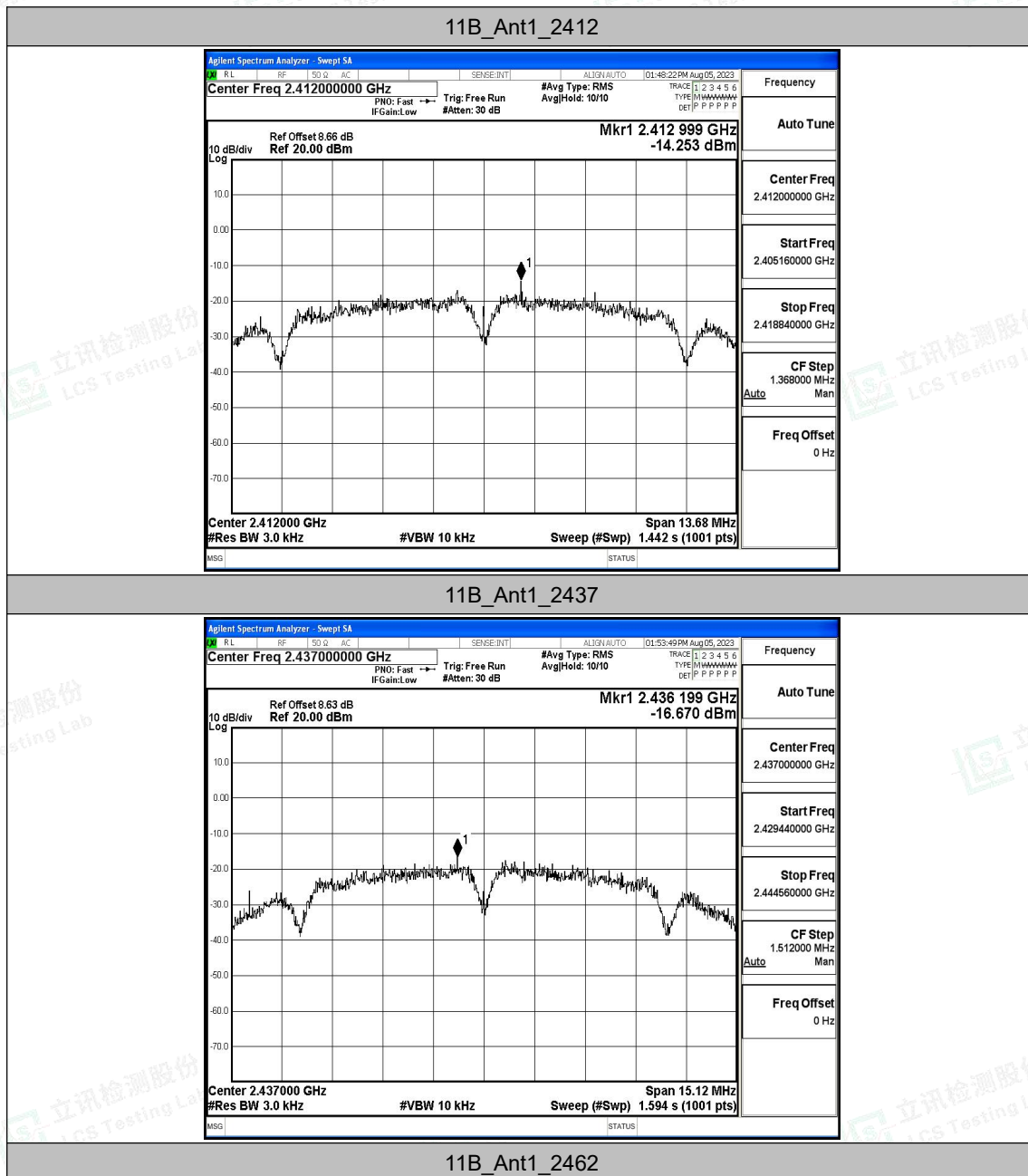
Test Result

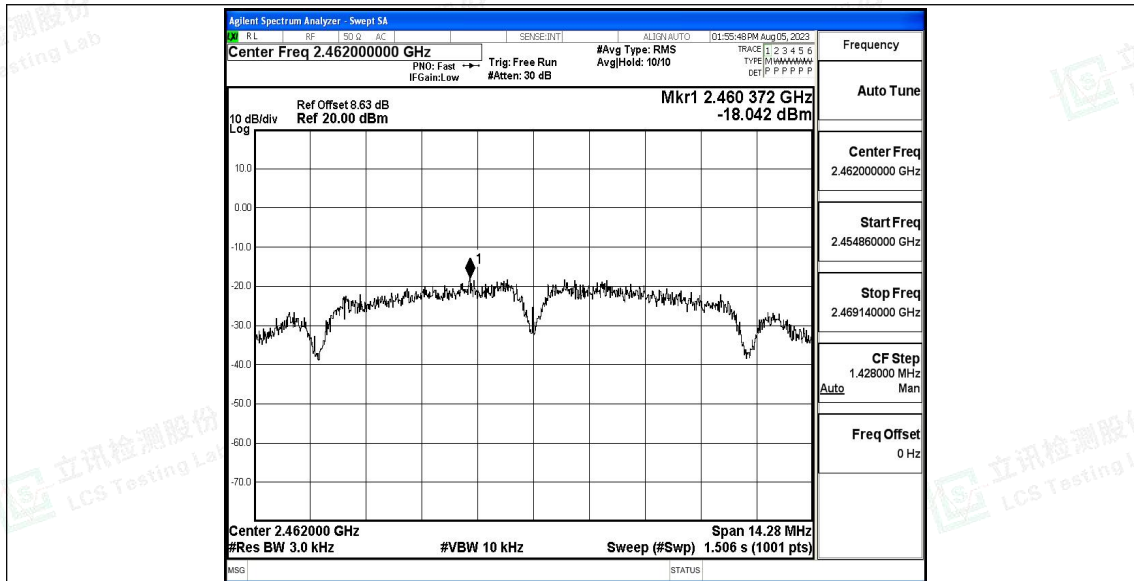
TestMode	Antenna	Freq(MHz)	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-14.25	≤8.00	PASS
		2437	-16.67	≤8.00	PASS
		2462	-18.04	≤8.00	PASS
11G	Ant1	2412	-21.74	≤8.00	PASS
		2437	-21.04	≤8.00	PASS
		2462	-20.35	≤8.00	PASS
11N20SISO	Ant1	2412	-20.9	≤8.00	PASS
		2437	-21.06	≤8.00	PASS
		2462	-20.91	≤8.00	PASS
11N40SISO	Ant1	2422	-21.62	≤8.00	PASS
		2437	-21.41	≤8.00	PASS
		2452	-21.34	≤8.00	PASS



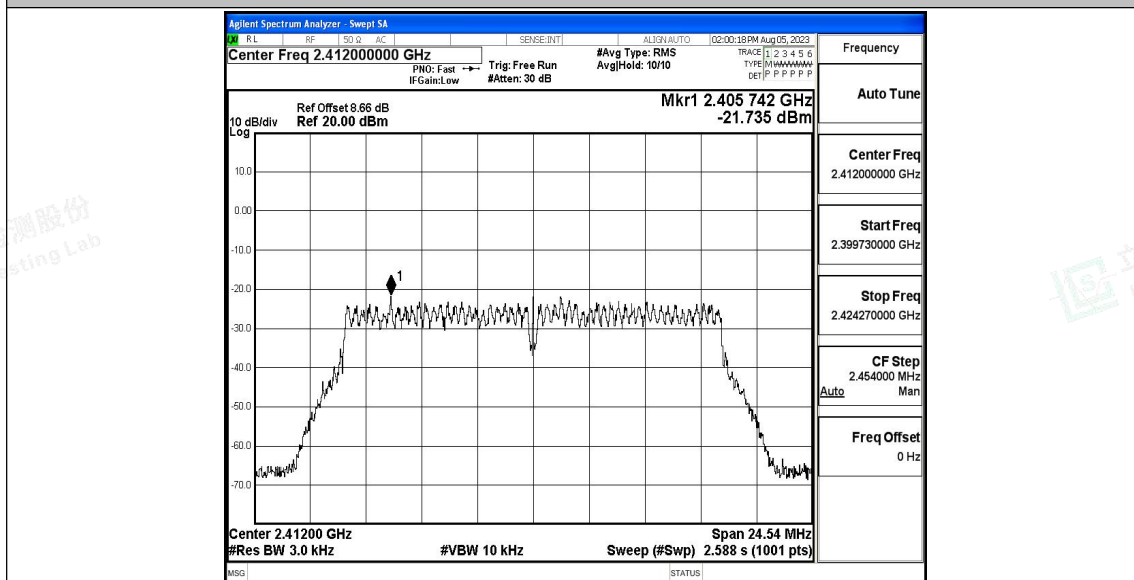


Test Graphs



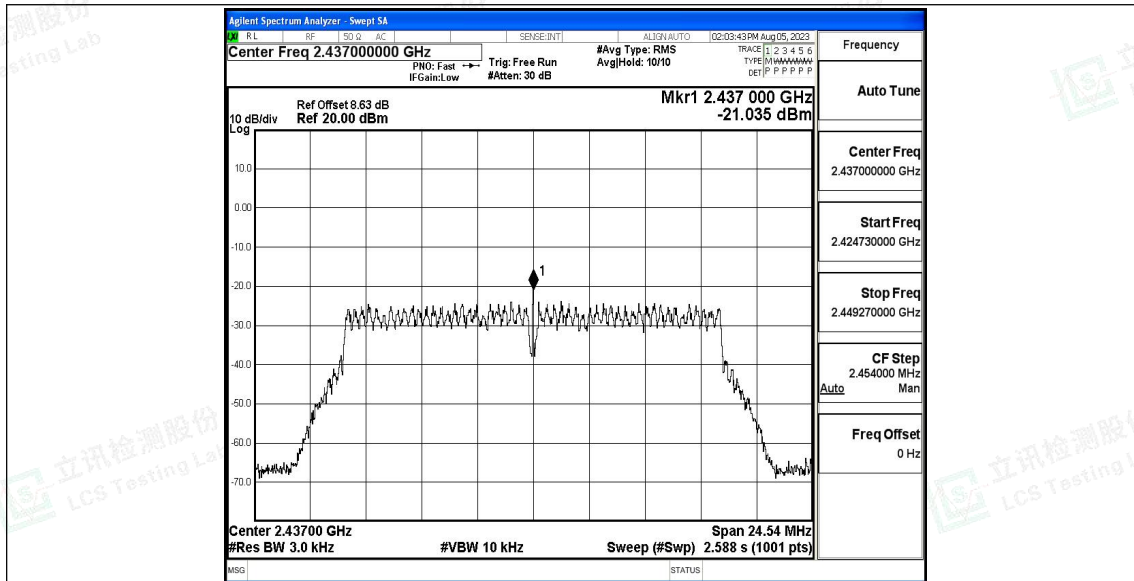


11G_Ant1_2412

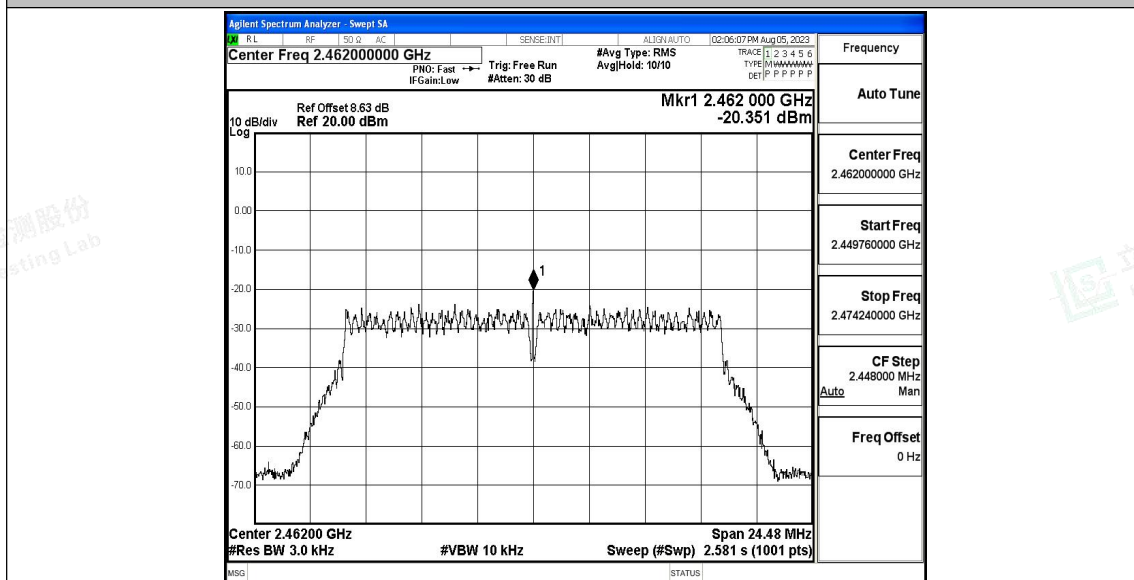


11G_Ant1_2437



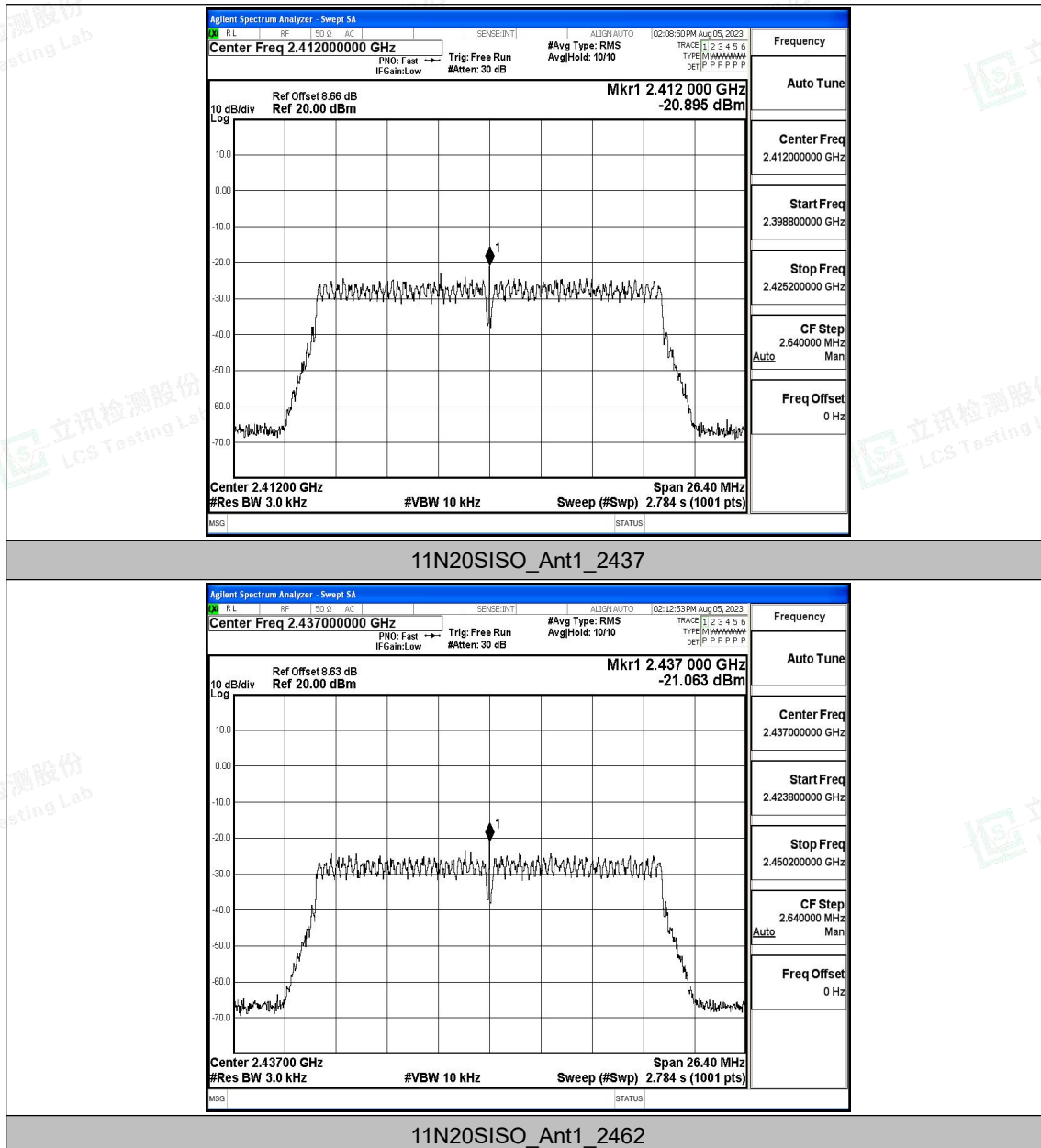


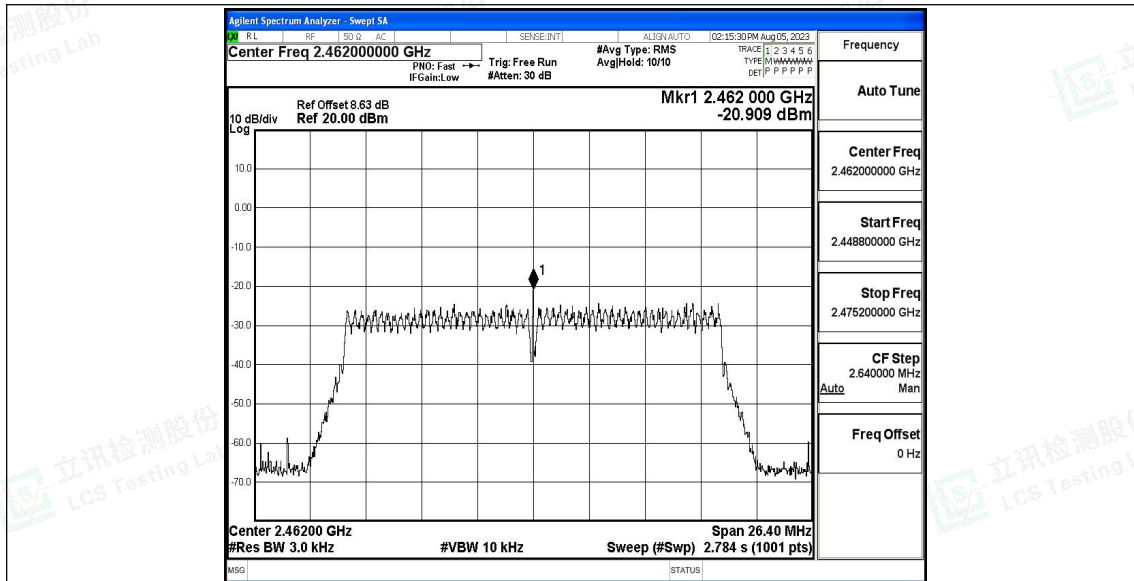
11G_Ant1_2462



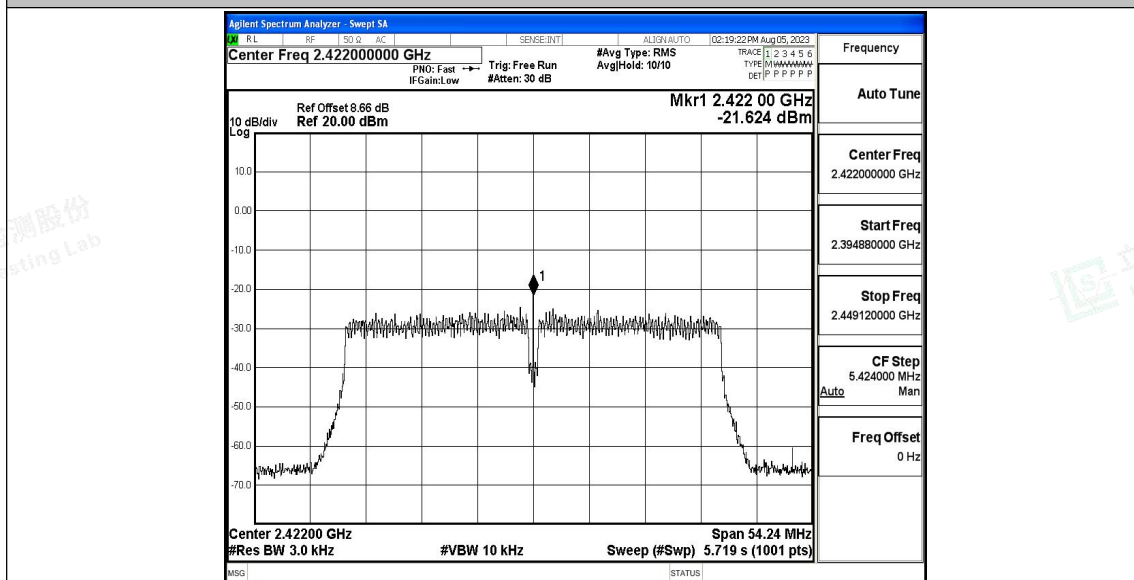
11N20SISO_Ant1_2412





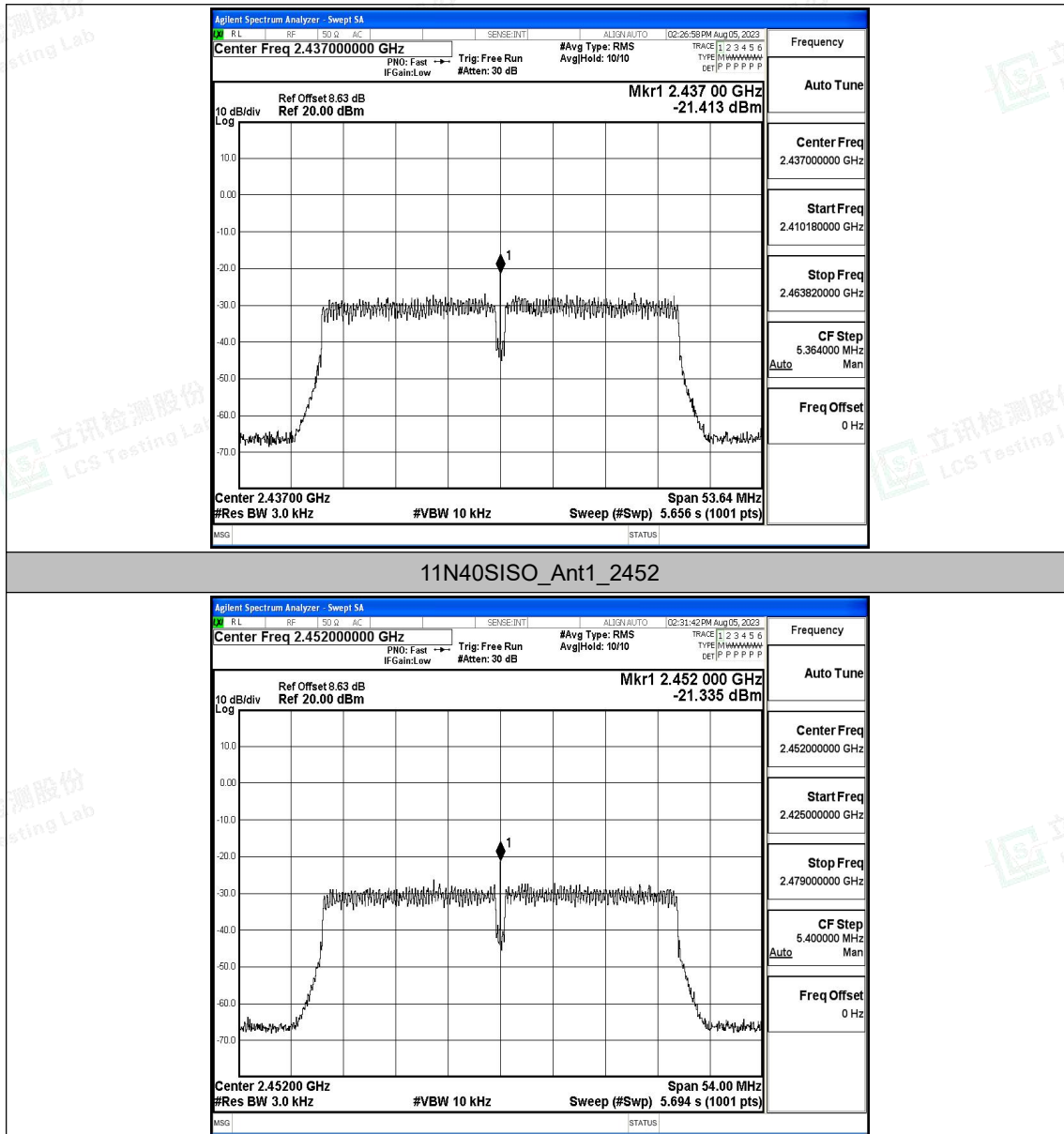


11N40SISO_Ant1_2422



11N40SISO_Ant1_2437







A.4 Band edge measurements

Test Result

Reference level measurement

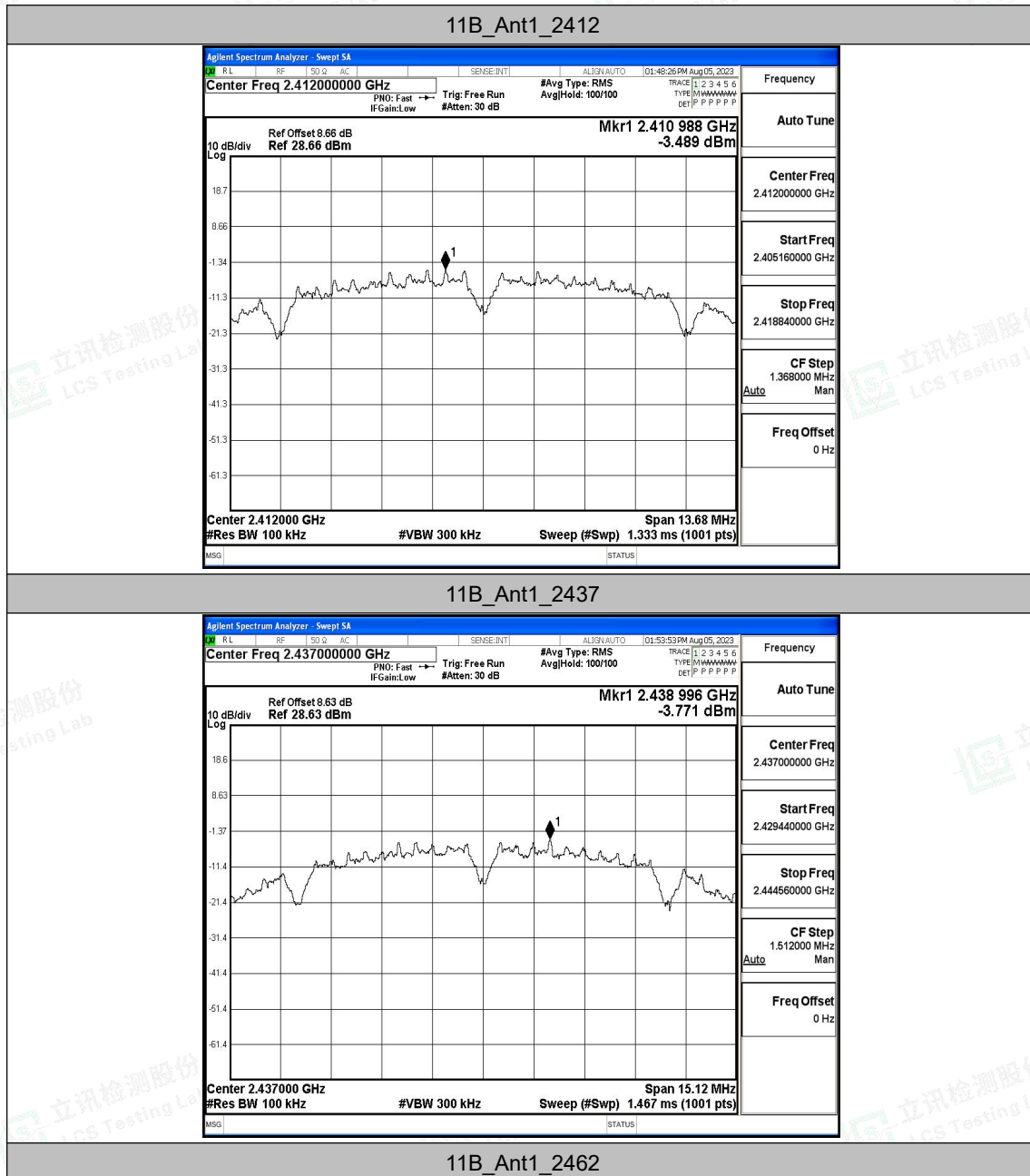
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2410.99	-3.49
		2437	2439.00	-3.77
		2462	2460.02	-4.40
11G	Ant1	2412	2413.25	-8.24
		2437	2431.99	-9.72
		2462	2464.47	-10.30
11N20SISO	Ant1	2412	2416.99	-9.38
		2437	2435.73	-10.15
		2462	2456.98	-10.30
11N40SISO	Ant1	2422	2413.27	-11.66
		2437	2441.99	-12.75
		2452	2449.46	-12.59

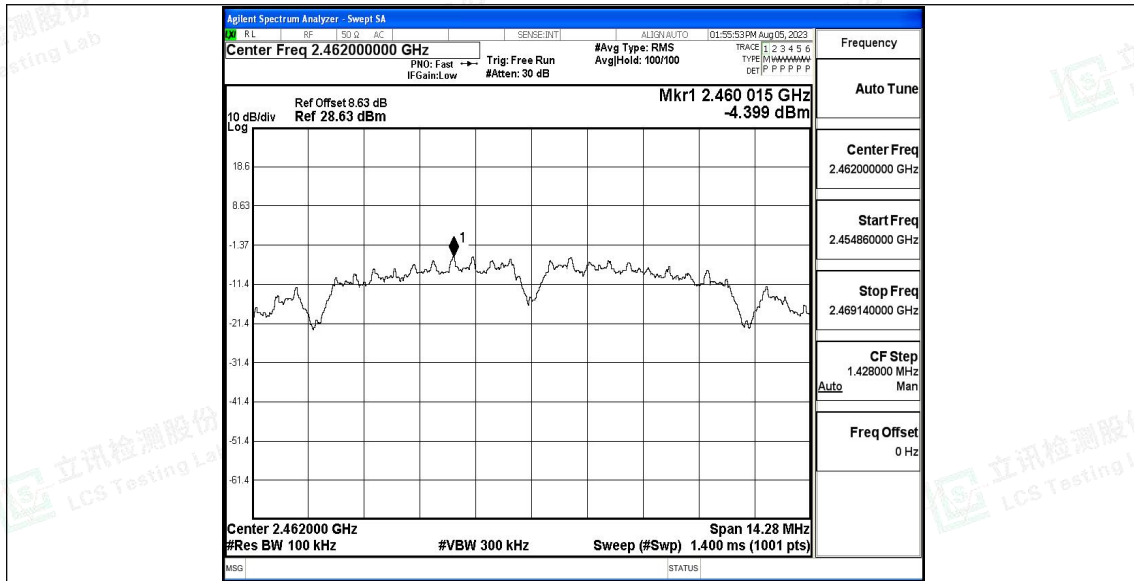
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-3.49	-48.84	≤-23.49	PASS
		High	2462	-4.40	-47.71	≤-24.4	PASS
11G	Ant1	Low	2412	-8.24	-48.47	≤-28.24	PASS
		High	2462	-10.30	-48.47	≤-30.3	PASS
11N20SISO	Ant1	Low	2412	-9.38	-49.08	≤-29.38	PASS
		High	2462	-10.30	-48	≤-30.3	PASS
11N40SISO	Ant1	Low	2422	-11.66	-48.26	≤-31.66	PASS
		High	2452	-12.59	-48.49	≤-32.59	PASS



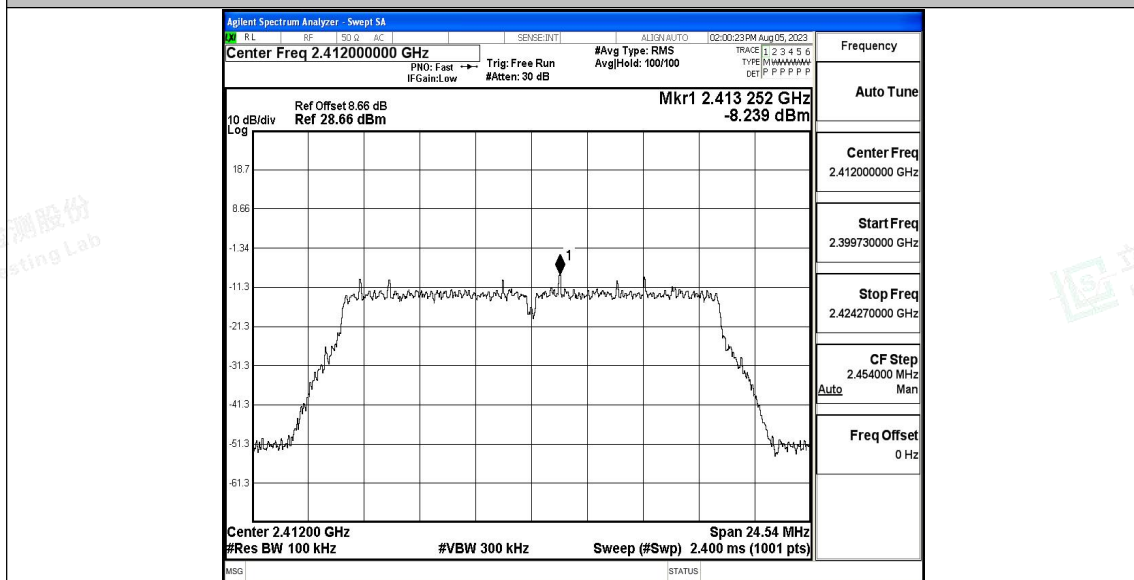


Test Graphs



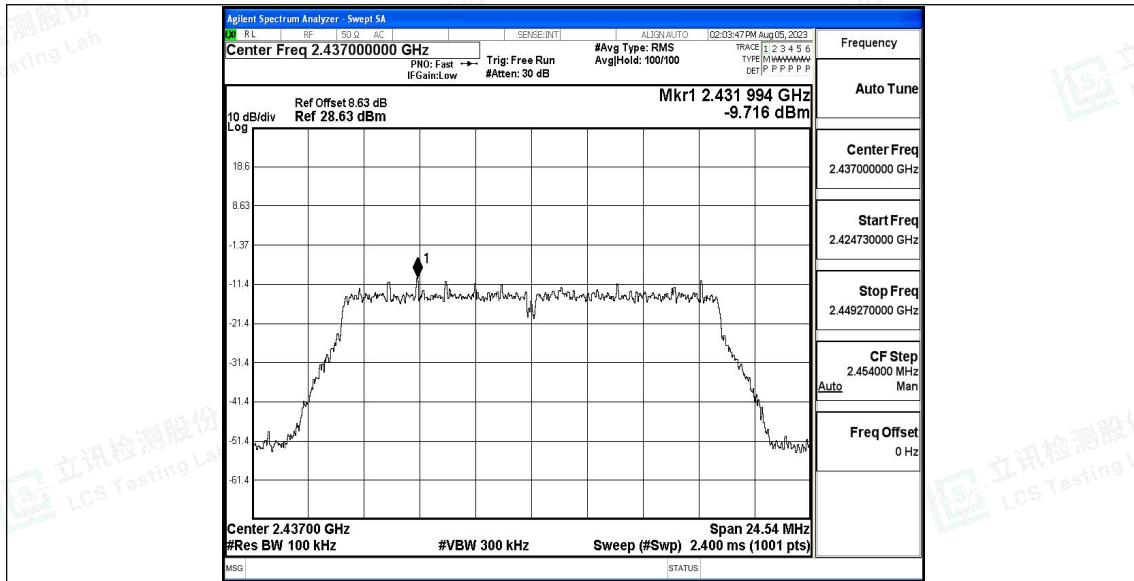


11G_Ant1_2412

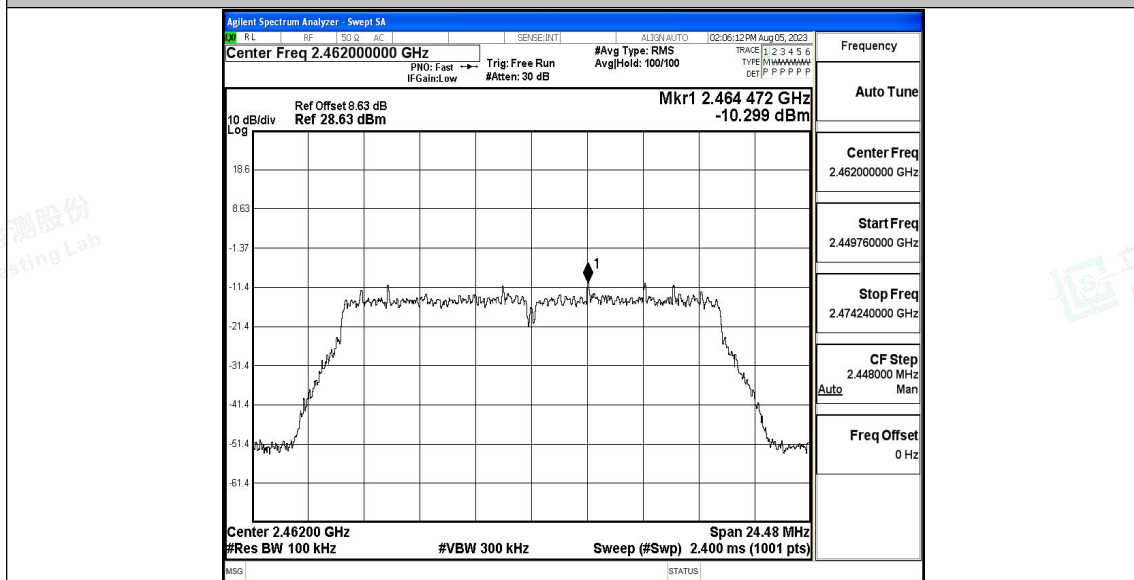


11G_Ant1_2437



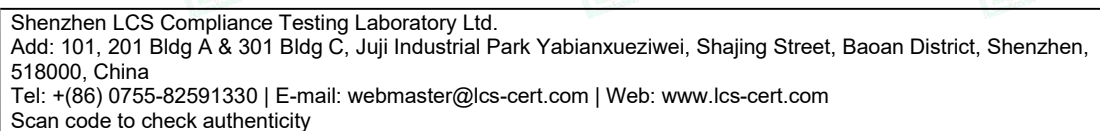
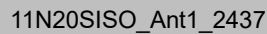
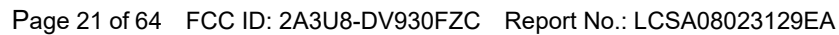


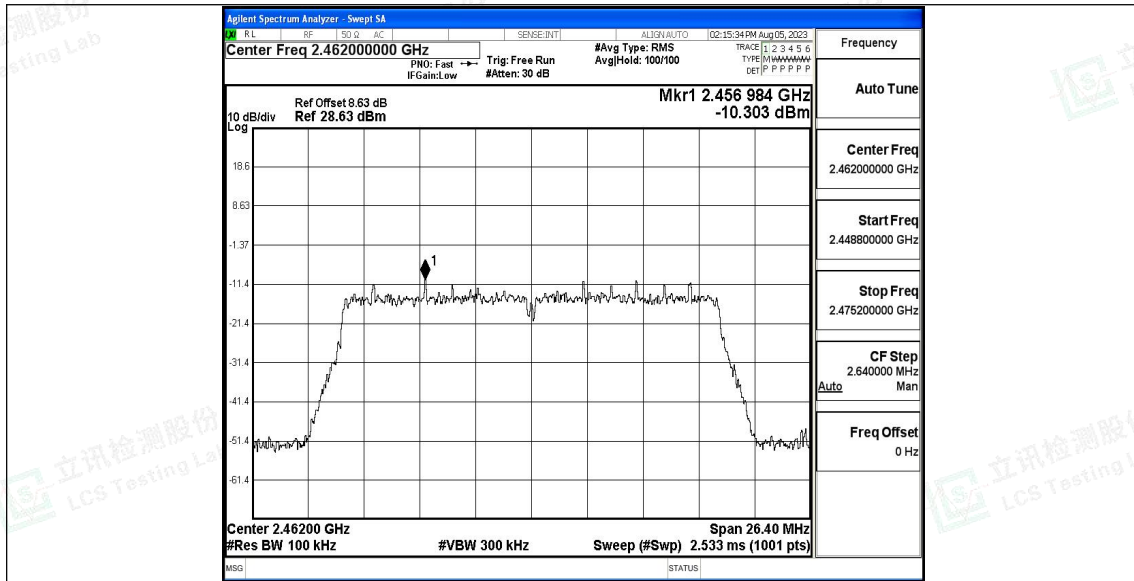
11G_Ant1_2462



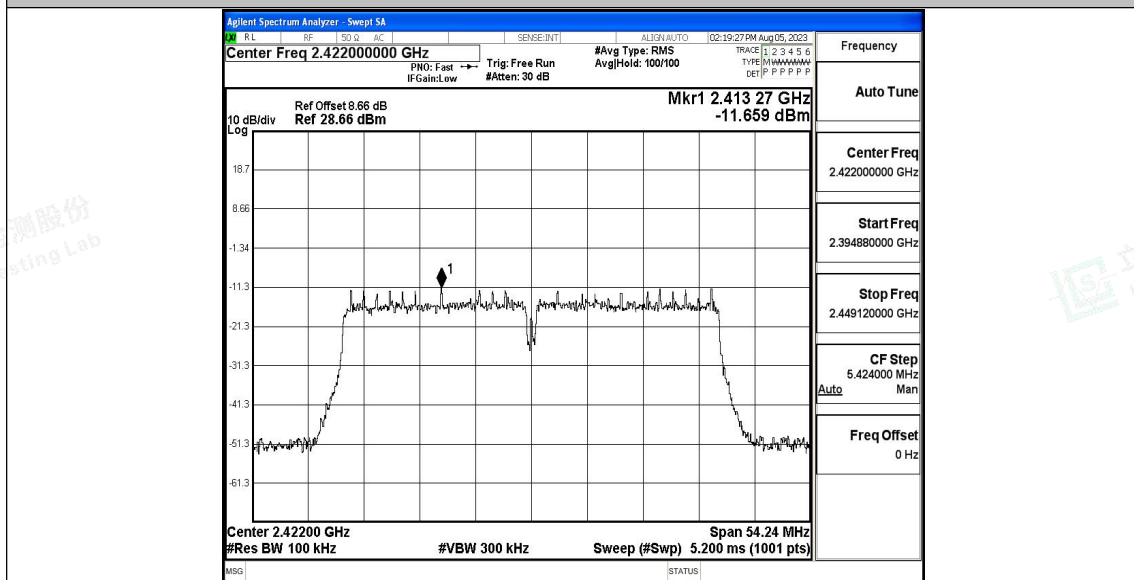
11N20SISO_Ant1_2412





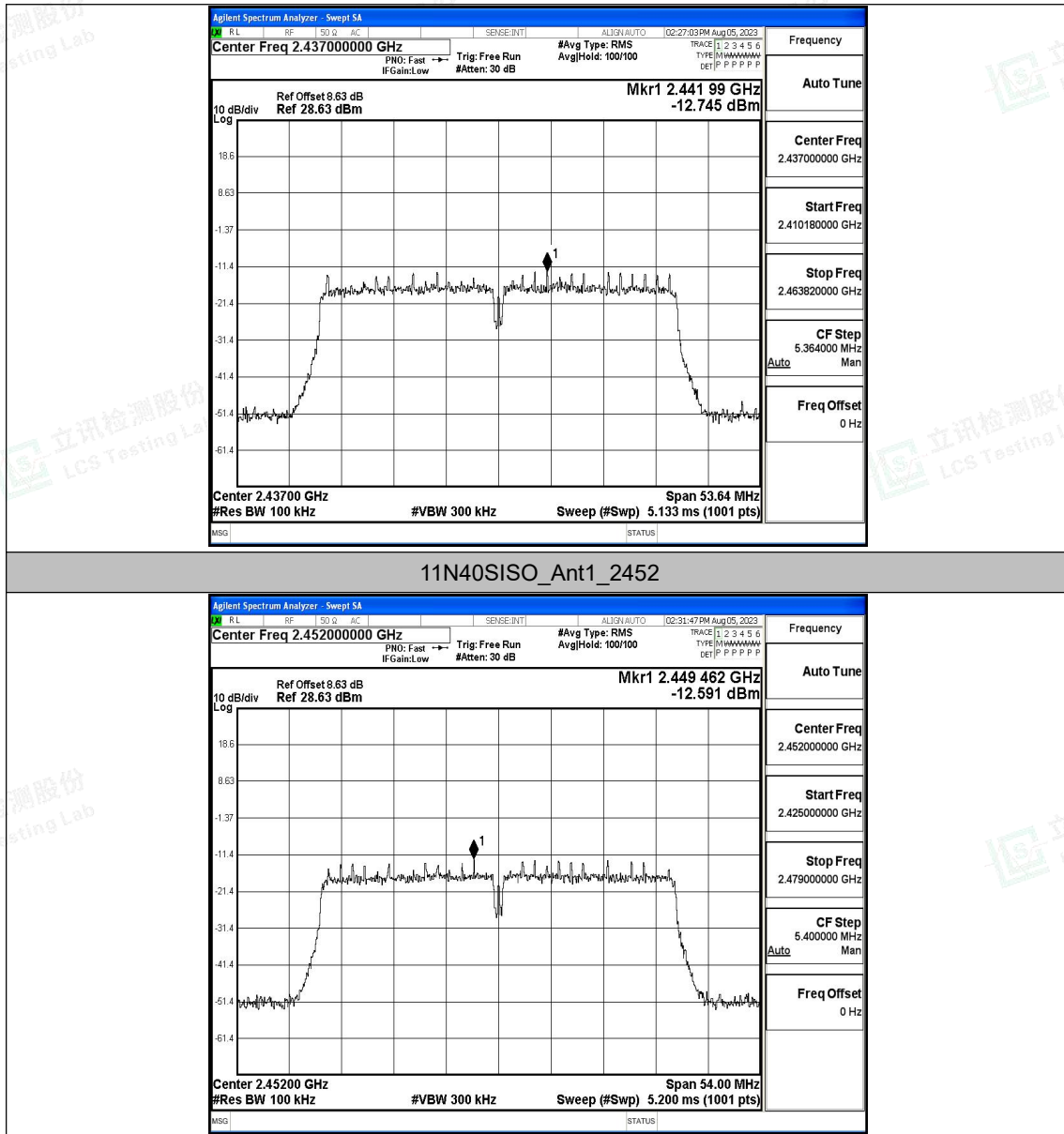


11N40SISO_Ant1_2422



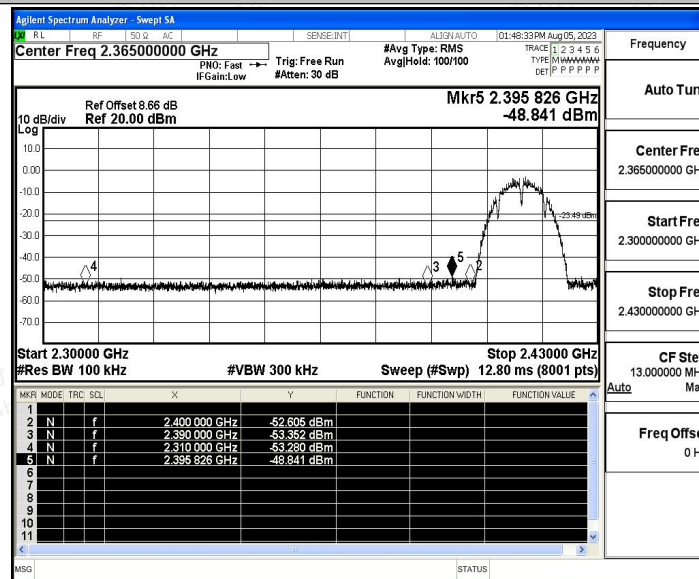
11N40SISO_Ant1_2437



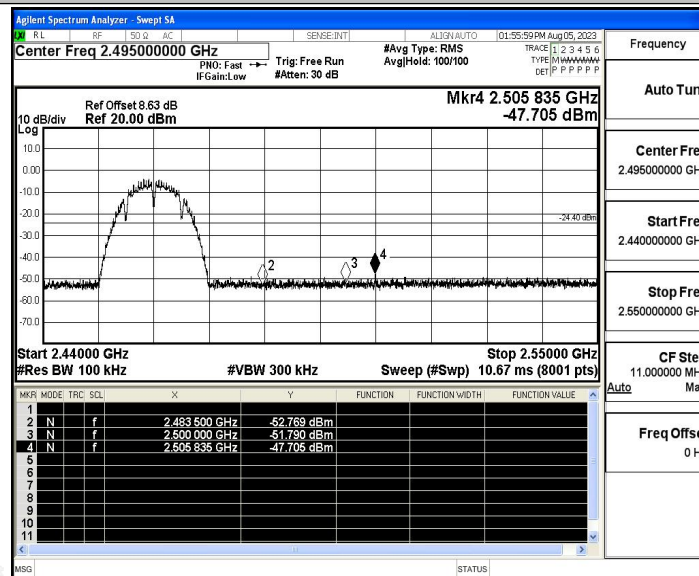




11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

