



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: TABLET PC

Test Model: T8

Environmental Conditions

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





C.1 DTS Bandwidth

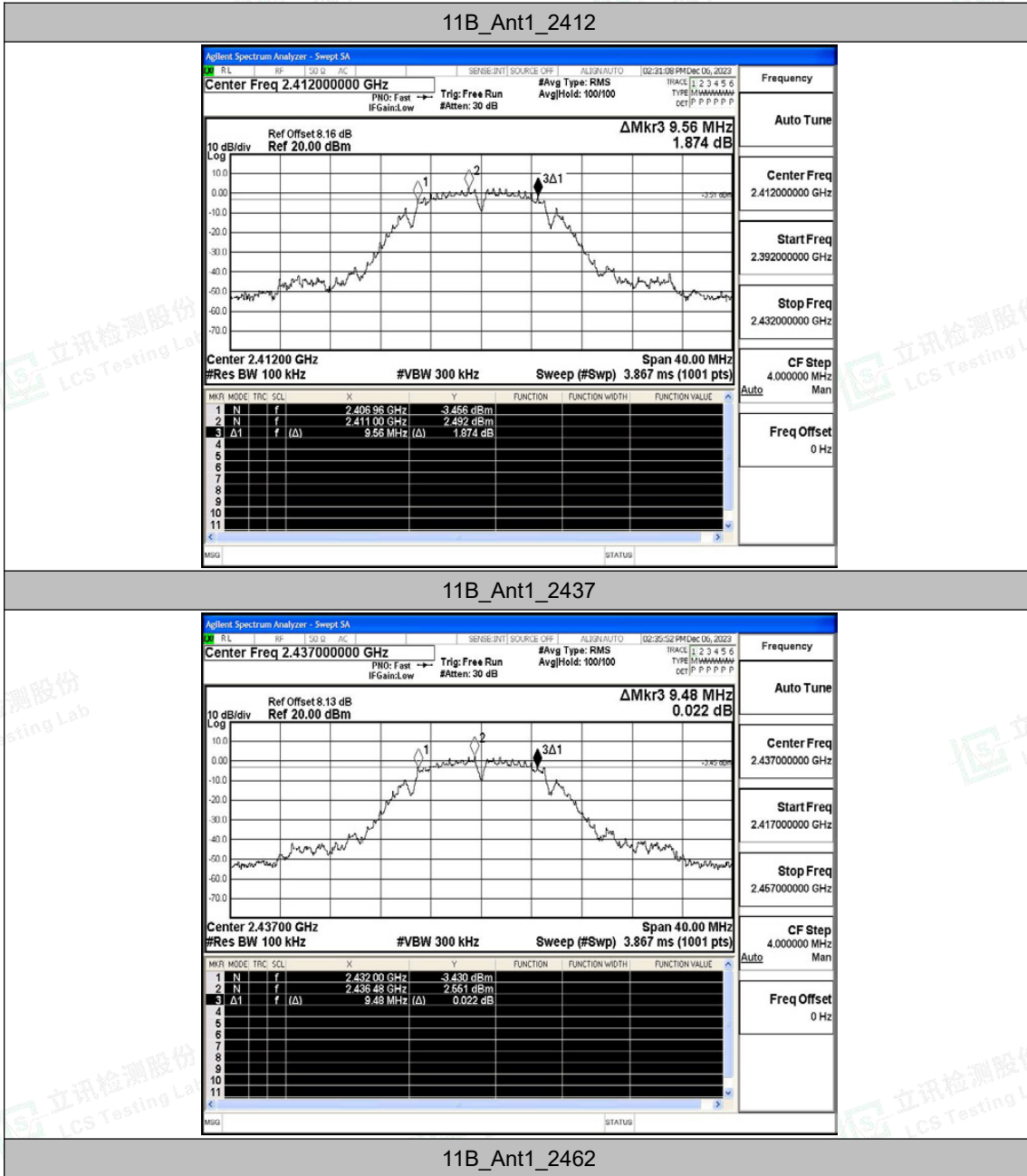
Test Result

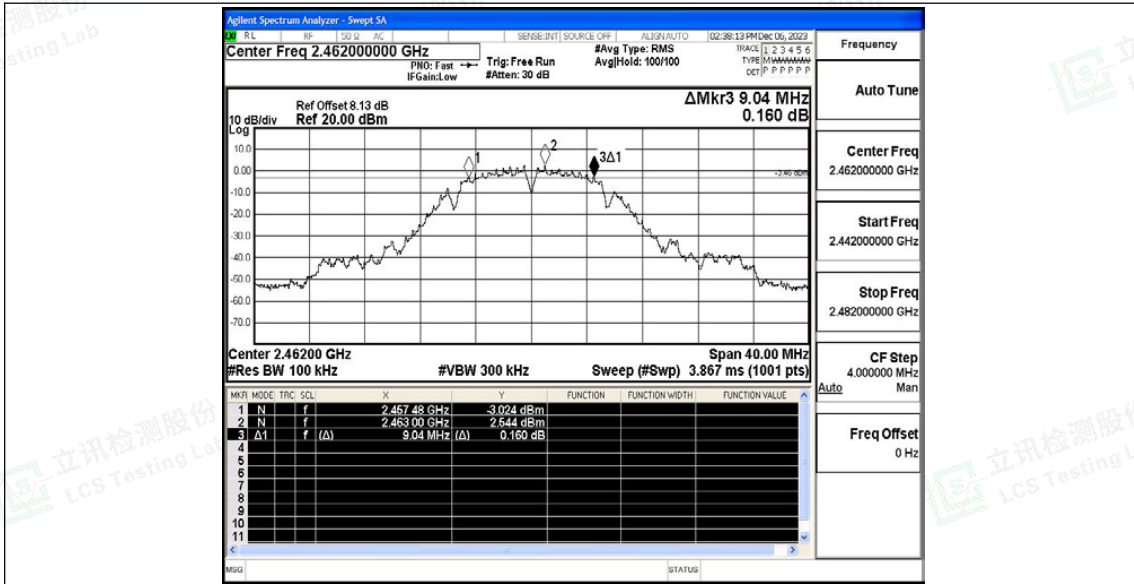
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.560	2406.960	2416.520	0.5	PASS
		2437	9.480	2432.000	2441.480	0.5	PASS
		2462	9.040	2457.480	2466.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.200	2420.760	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant1	2422	35.760	2404.080	2439.840	0.5	PASS
		2437	35.840	2419.080	2454.920	0.5	PASS
		2452	35.680	2434.480	2470.160	0.5	PASS



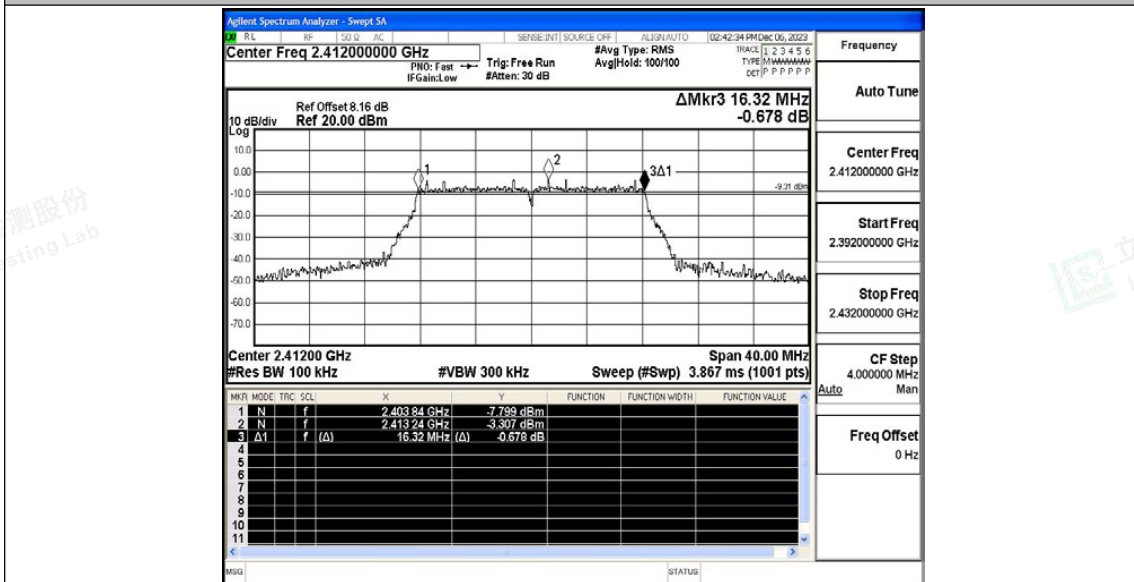


Test Graphs



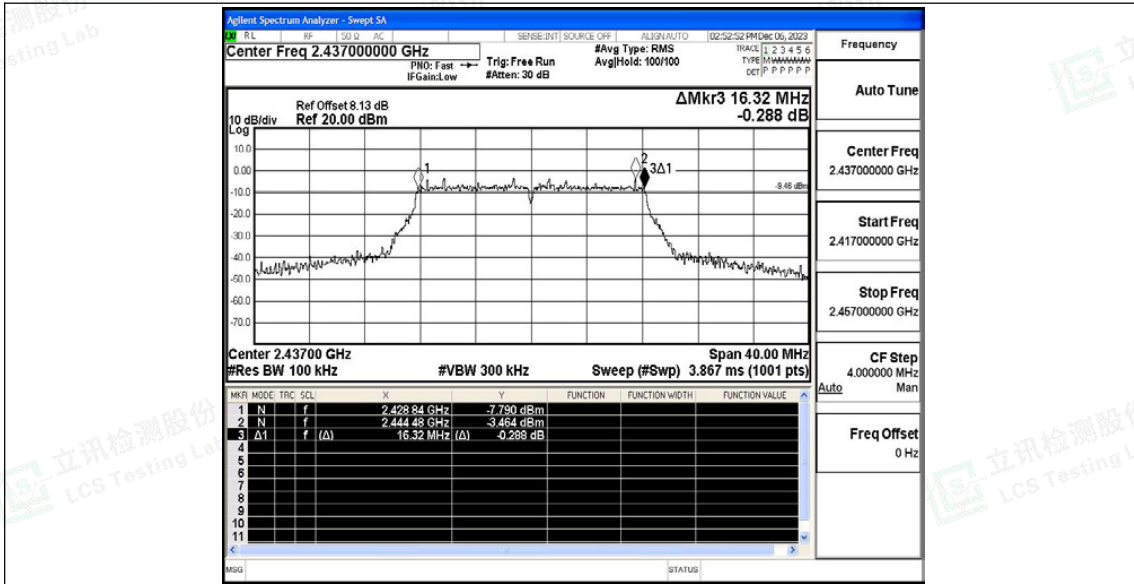


11G_Ant1_2412

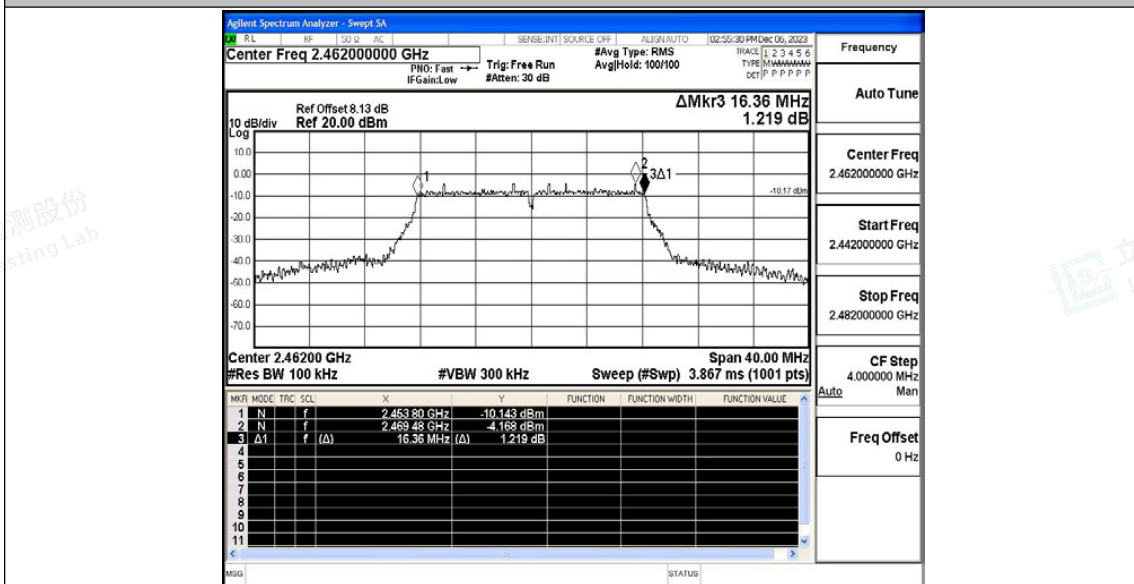


11G_Ant1_2437



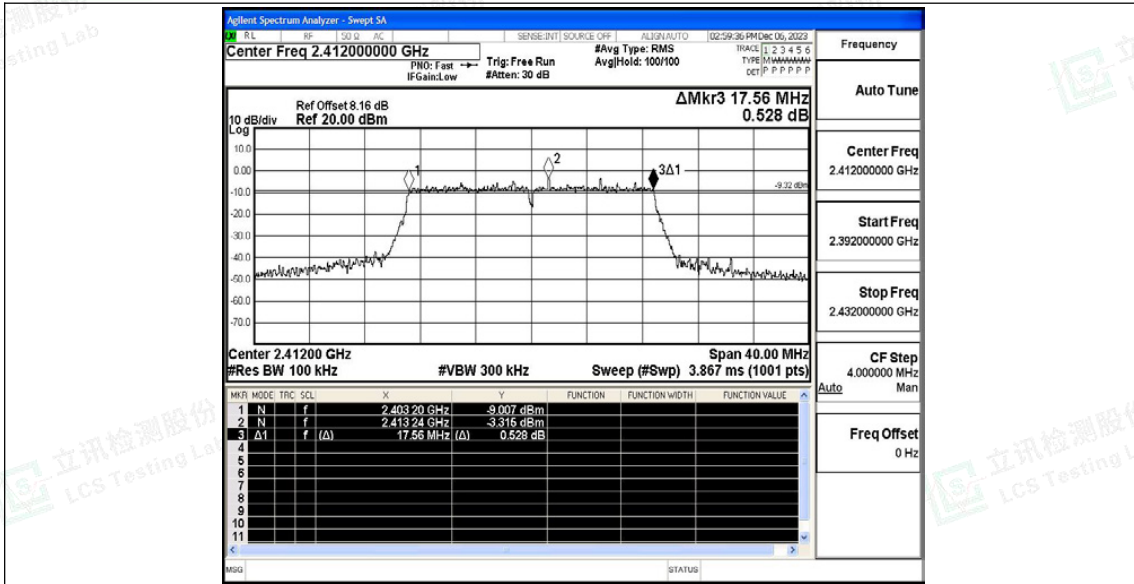


11G_Ant1_2462

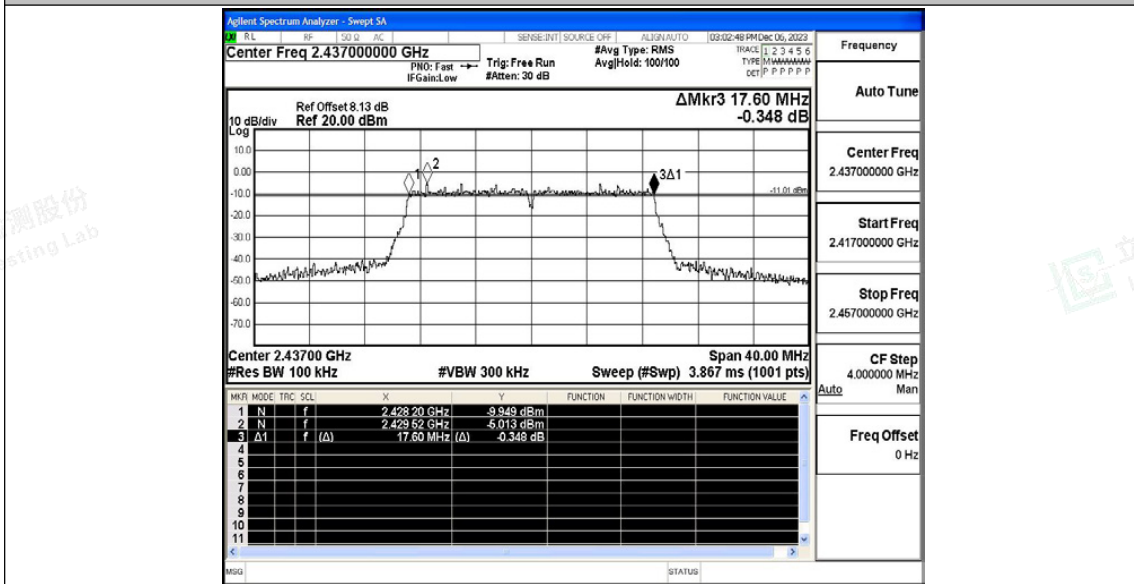


11N20SISO_Ant1_2412



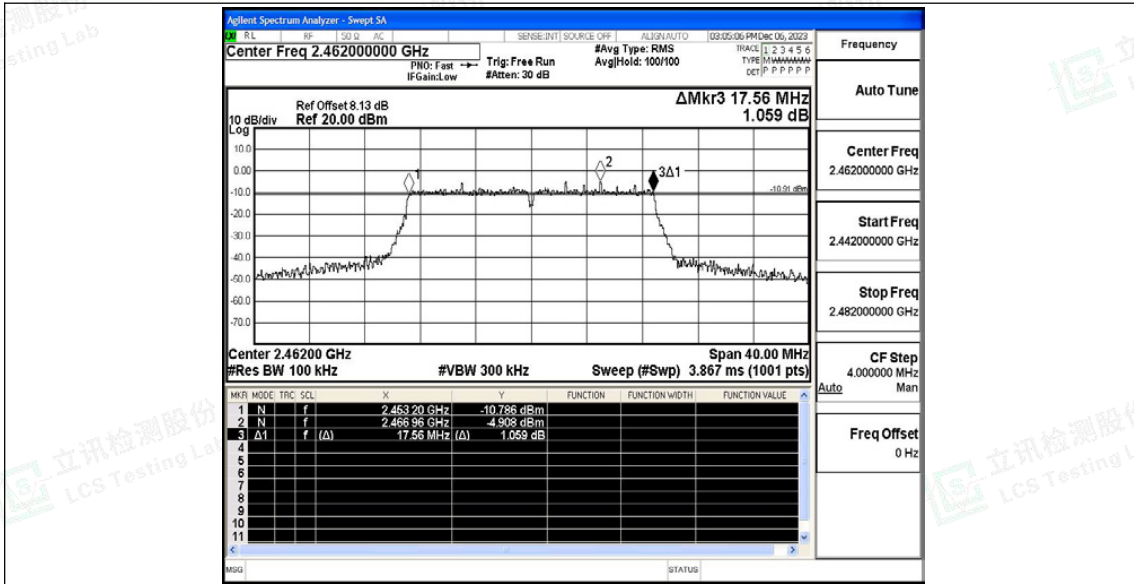


11N20SISO_Ant1_2437

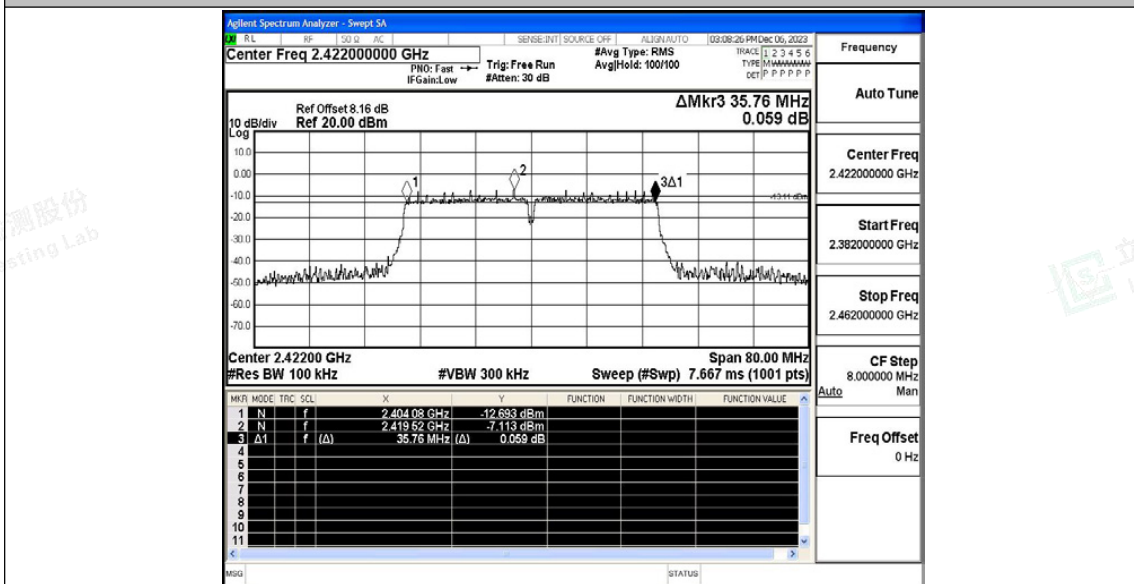


11N20SISO_Ant1_2462



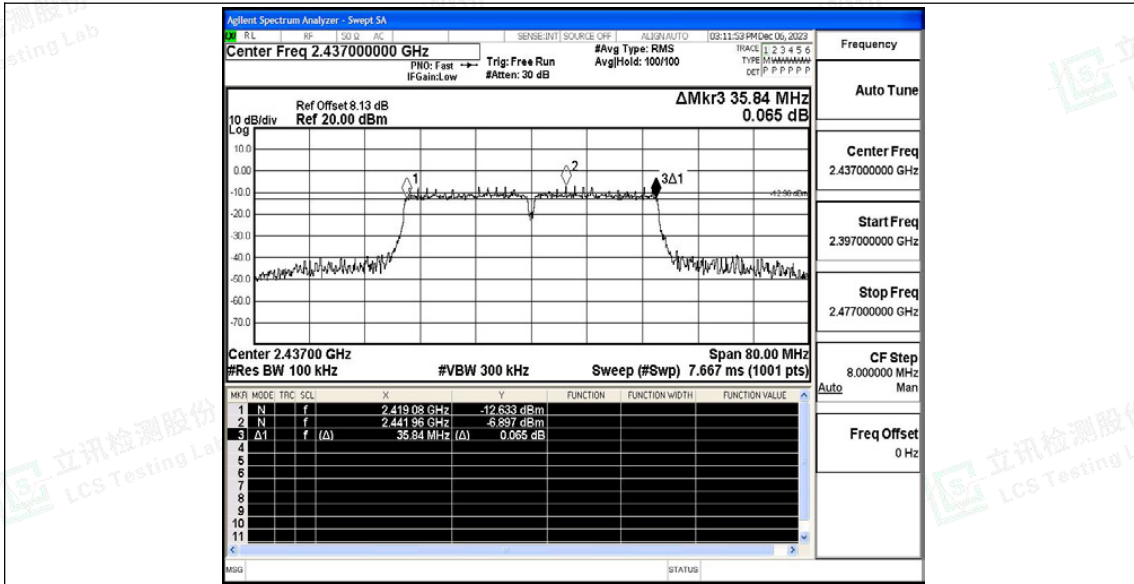


11N40SISO_Ant1_2422

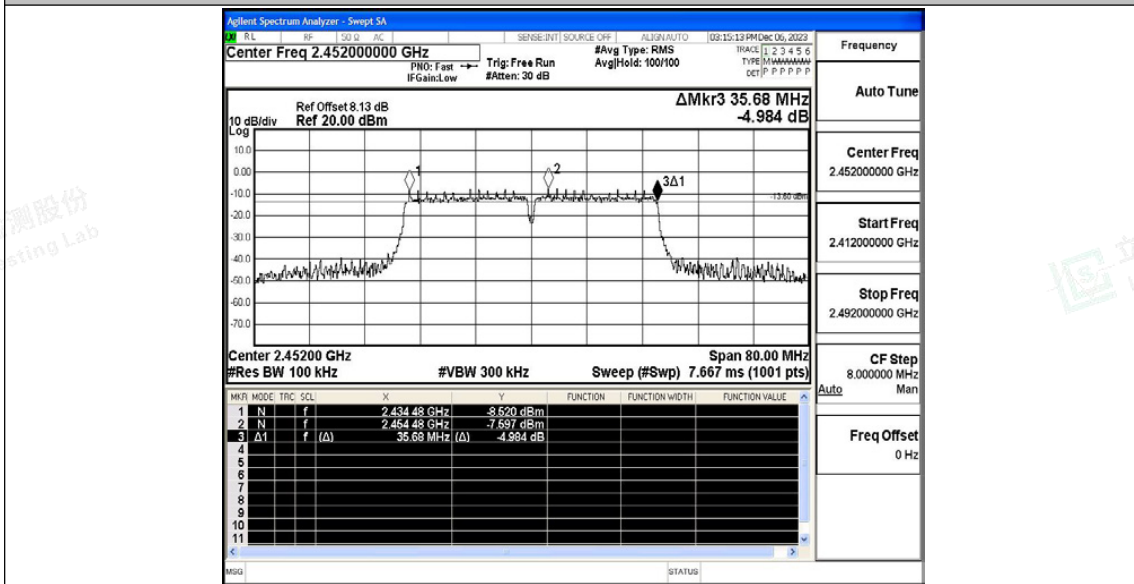


11N40SISO_Ant1_2437





11N40SISO_Ant1_2452





C.2 Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq(MHz)	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	14.57	≤30.00	PASS
		2437	14.17	≤30.00	PASS
		2462	14.30	≤30.00	PASS
11G	Ant1	2412	14.31	≤30.00	PASS
		2437	14.47	≤30.00	PASS
		2462	13.62	≤30.00	PASS
11N20SISO	Ant1	2412	14.08	≤30.00	PASS
		2437	13.06	≤30.00	PASS
		2462	12.78	≤30.00	PASS
11N40SISO	Ant1	2422	13.24	≤30.00	PASS
		2437	13.61	≤30.00	PASS
		2452	12.95	≤30.00	PASS





C.3 Maximum power spectral density

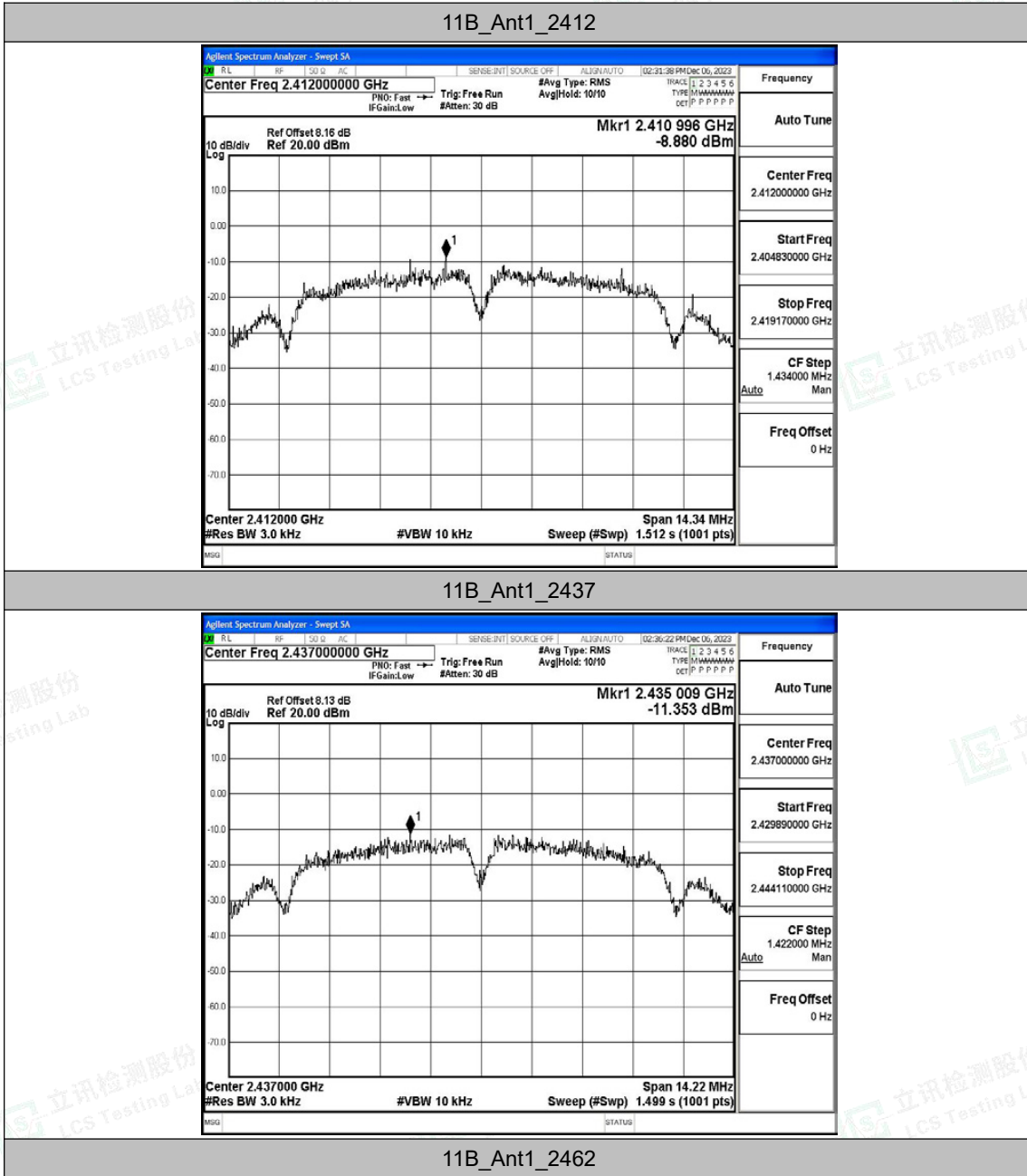
Test Result

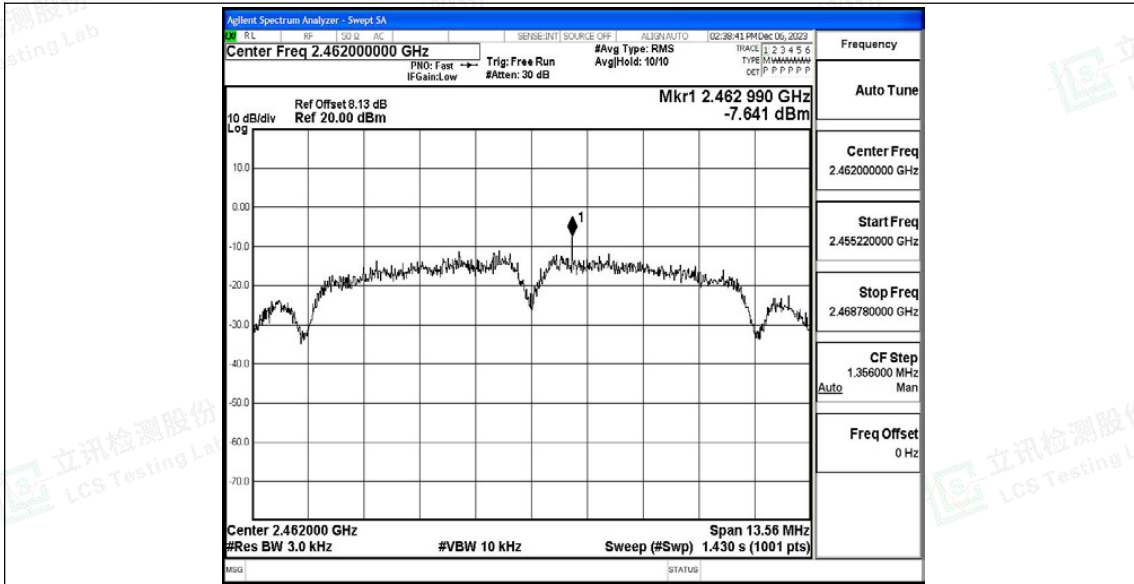
TestMode	Antenna	Freq(MHz)	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-8.88	≤8.00	PASS
		2437	-11.35	≤8.00	PASS
		2462	-7.64	≤8.00	PASS
11G	Ant1	2412	-16.53	≤8.00	PASS
		2437	-16.84	≤8.00	PASS
		2462	-17.05	≤8.00	PASS
11N20SISO	Ant1	2412	-18.12	≤8.00	PASS
		2437	-19.16	≤8.00	PASS
		2462	-19.11	≤8.00	PASS
11N40SISO	Ant1	2422	-21.26	≤8.00	PASS
		2437	-20.8	≤8.00	PASS
		2452	-21.58	≤8.00	PASS



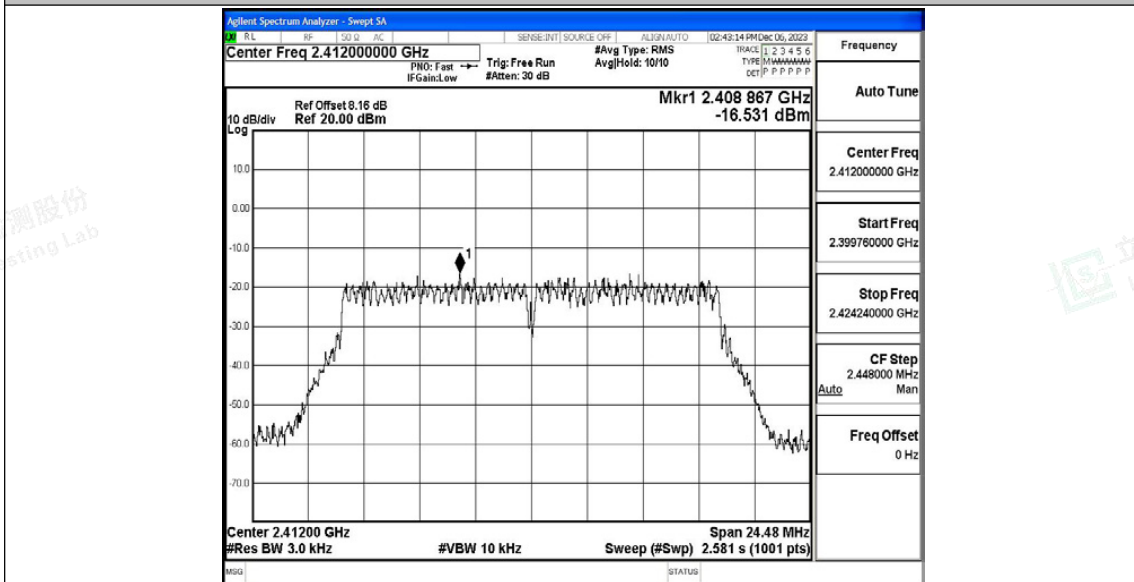


Test Graphs



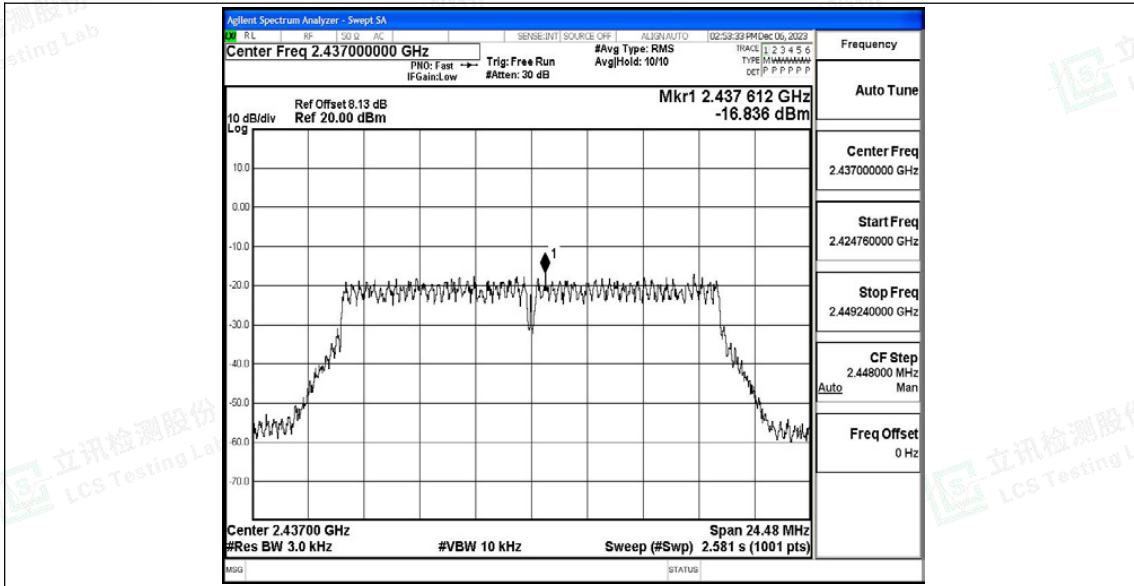


11G_Ant1_2412

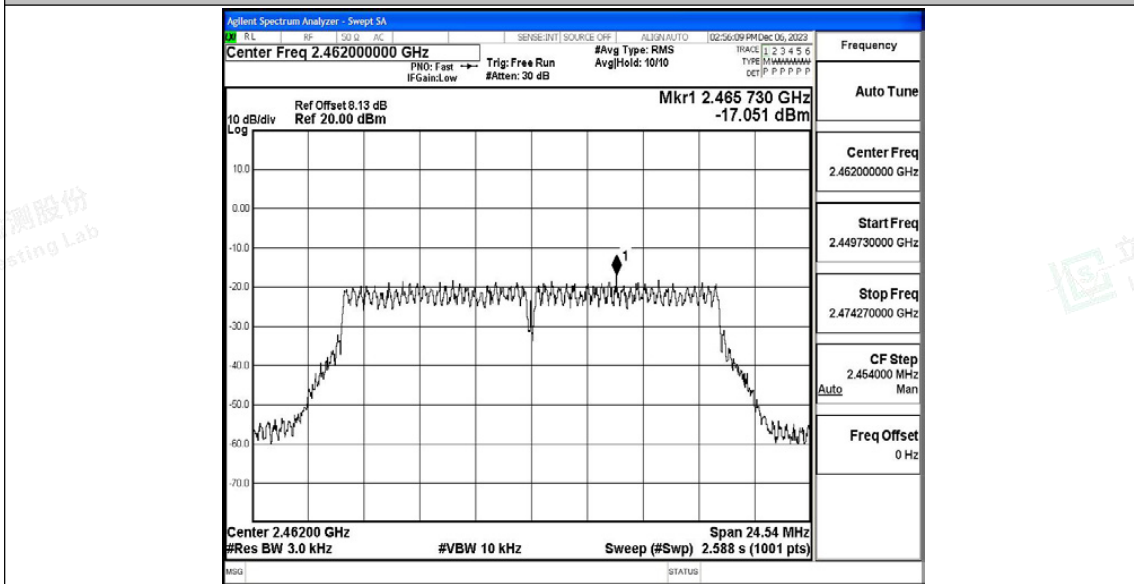


11G_Ant1_2437



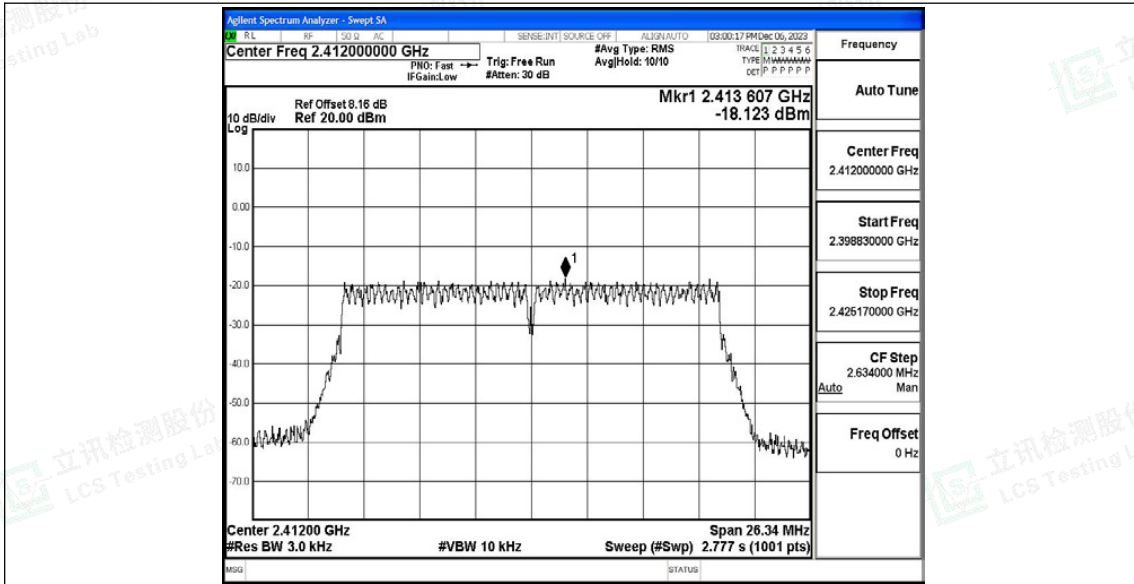


11G_Ant1_2462

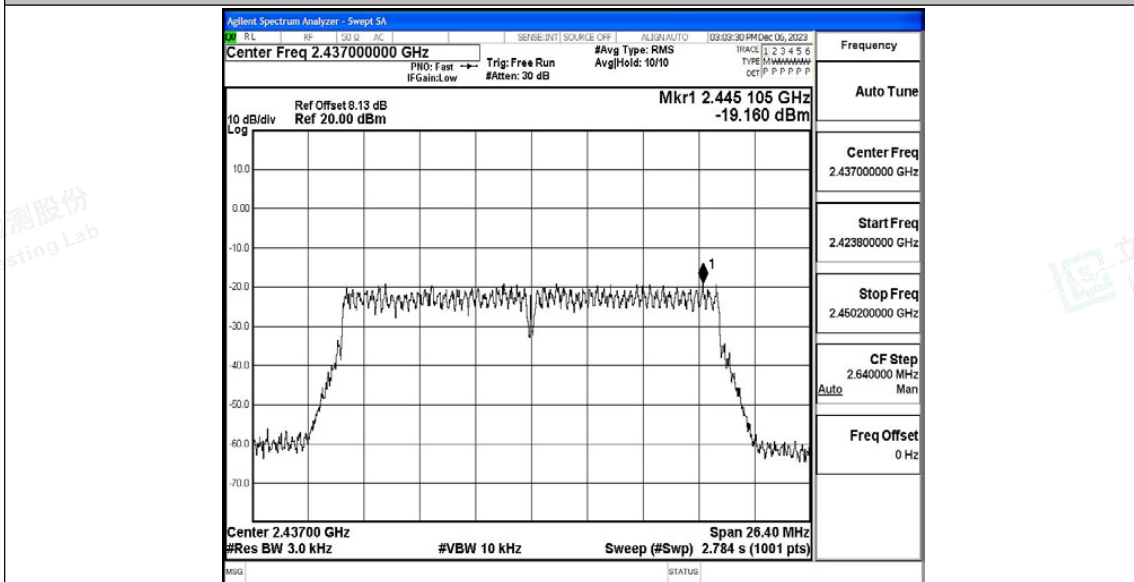


11N20SISO_Ant1_2412



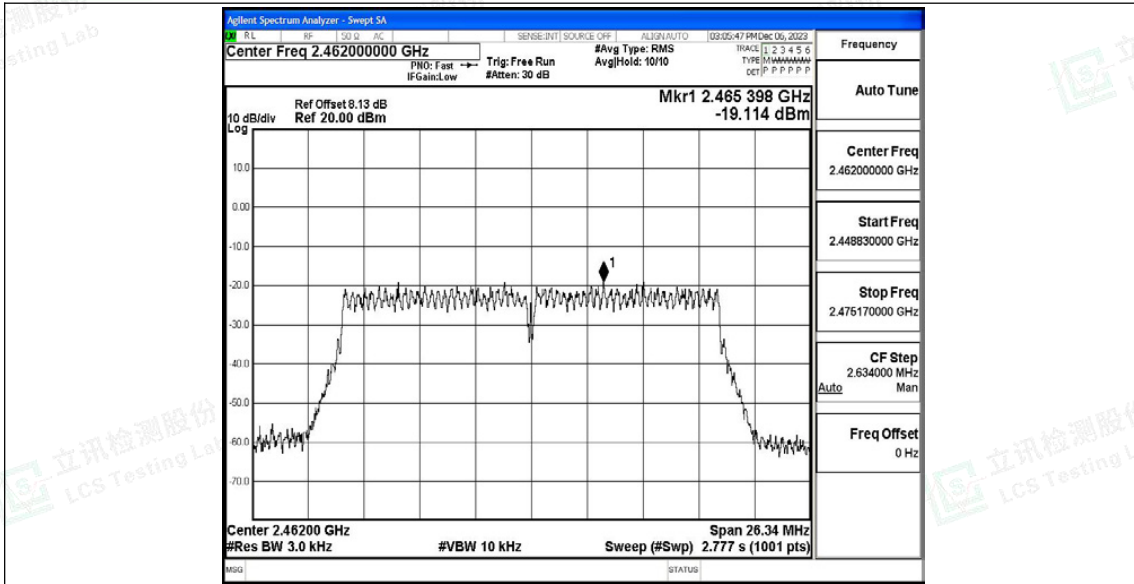


11N20SISO_Ant1_2437

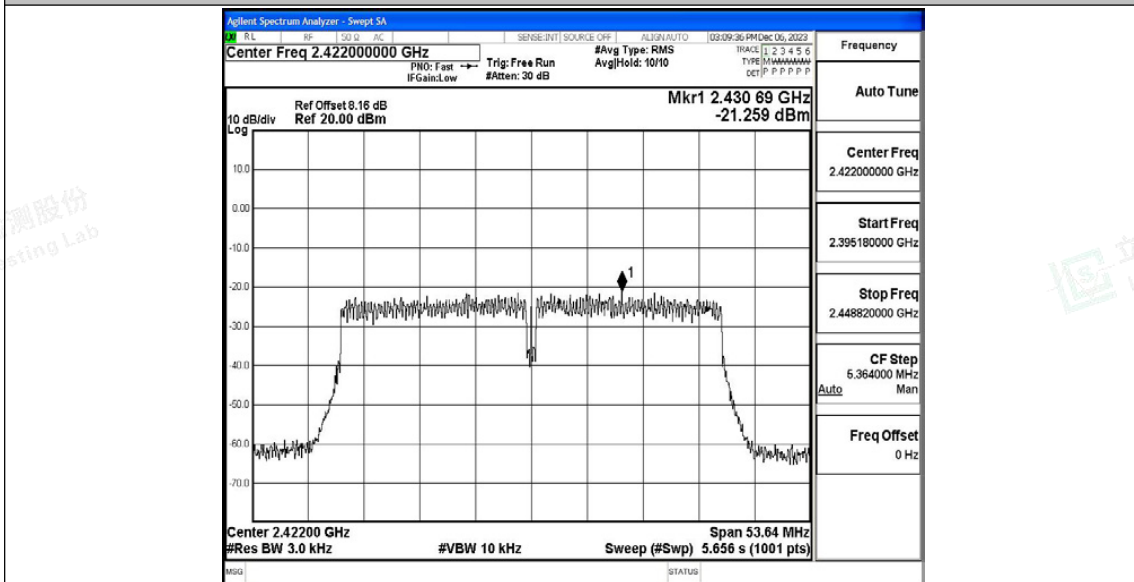


11N20SISO_Ant1_2462



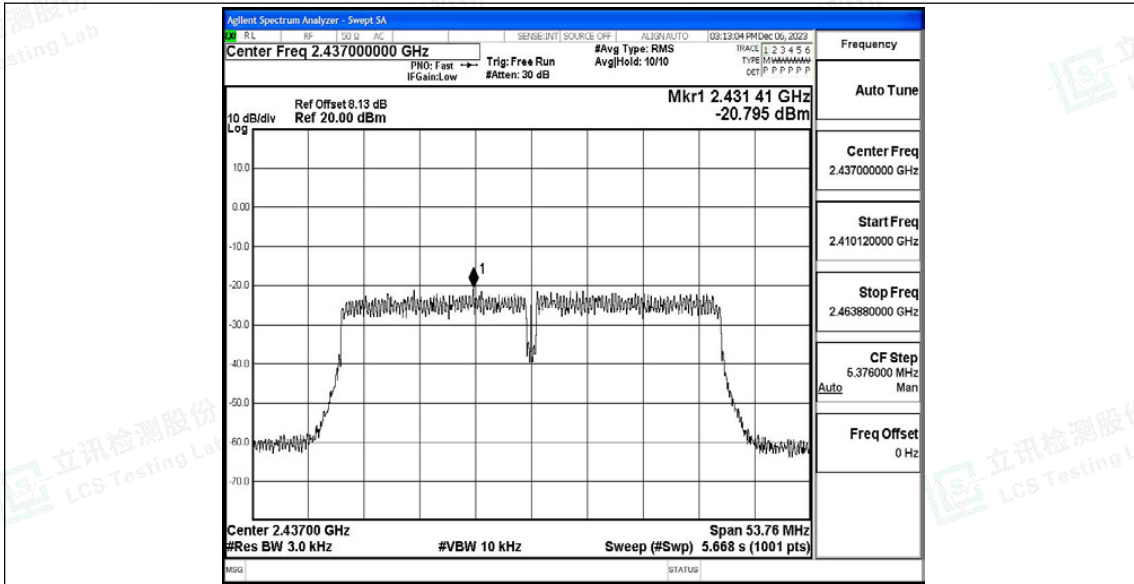


11N40SISO_Ant1_2422

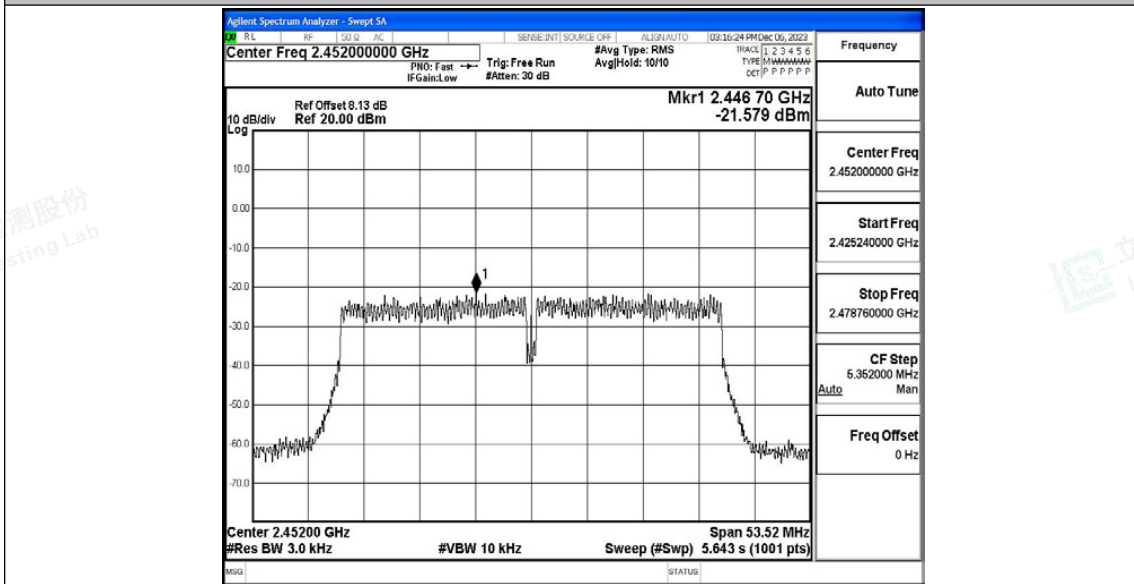


11N40SISO_Ant1_2437





11N40SISO_Ant1_2452





C.4 Band edge measurements

Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2410.98	2.70
		2437	2438.00	2.32
		2462	2460.48	2.26
11G	Ant1	2412	2415.75	-3.53
		2437	2438.30	-3.72
		2462	2463.25	-3.60
11N20SISO	Ant1	2412	2416.98	-3.66
		2437	2439.48	-4.87
		2462	2463.26	-4.66
11N40SISO	Ant1	2422	2419.48	-7.17
		2437	2434.47	-6.73
		2452	2443.28	-7.85

Band edge measurements

Test Result

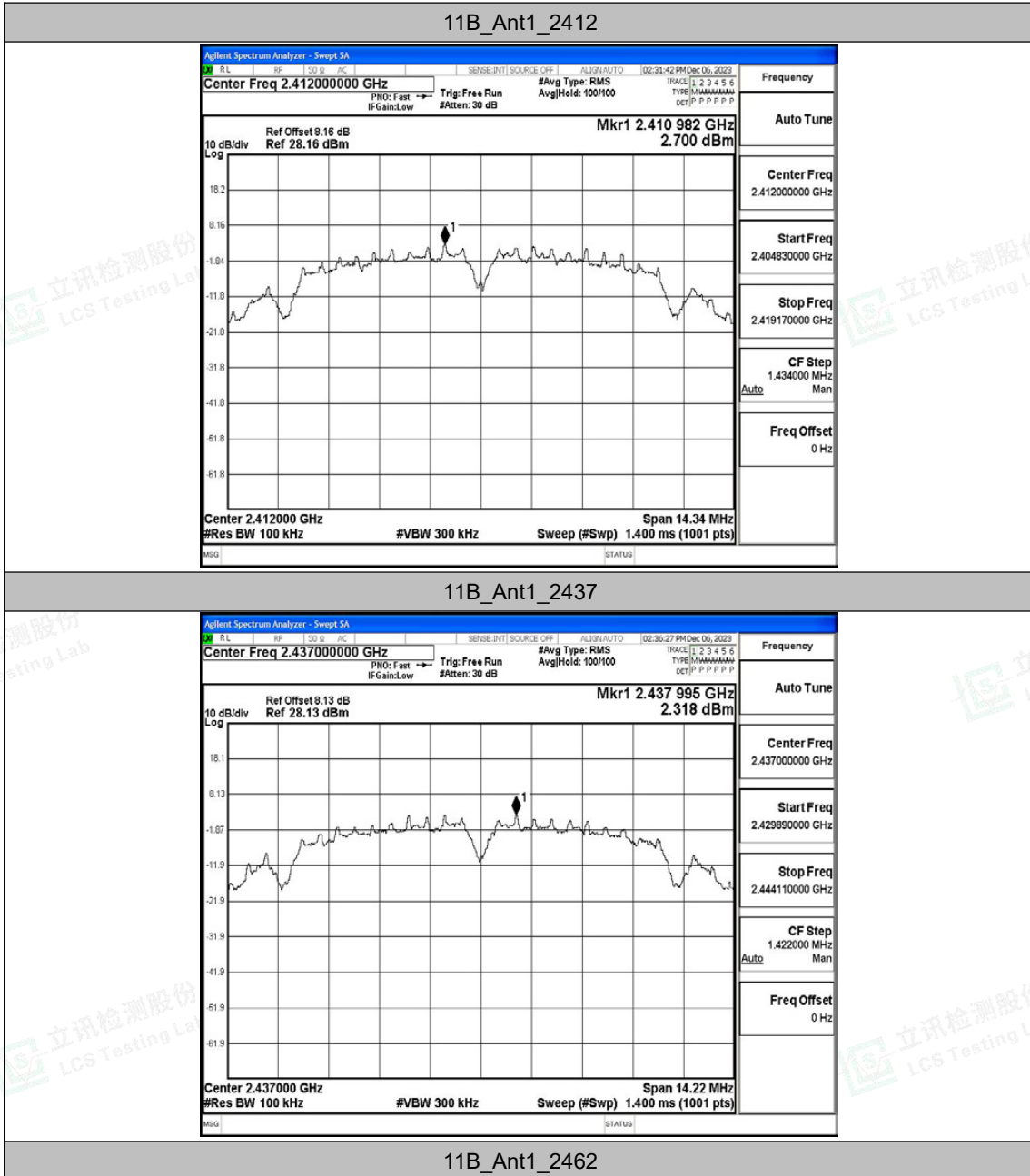
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.70	-42.14	≤-17.3	PASS
		High	2462	2.26	-49.86	≤-17.74	PASS
11G	Ant1	Low	2412	-3.53	-37.43	≤-23.53	PASS
		High	2462	-3.60	-47.85	≤-23.6	PASS
11N20SISO	Ant1	Low	2412	-3.66	-39.37	≤-23.66	PASS
		High	2462	-4.66	-49.05	≤-24.66	PASS
11N40SISO	Ant1	Low	2422	-7.17	-41.16	≤-27.17	PASS
		High	2452	-7.85	-41.29	≤-27.85	PASS

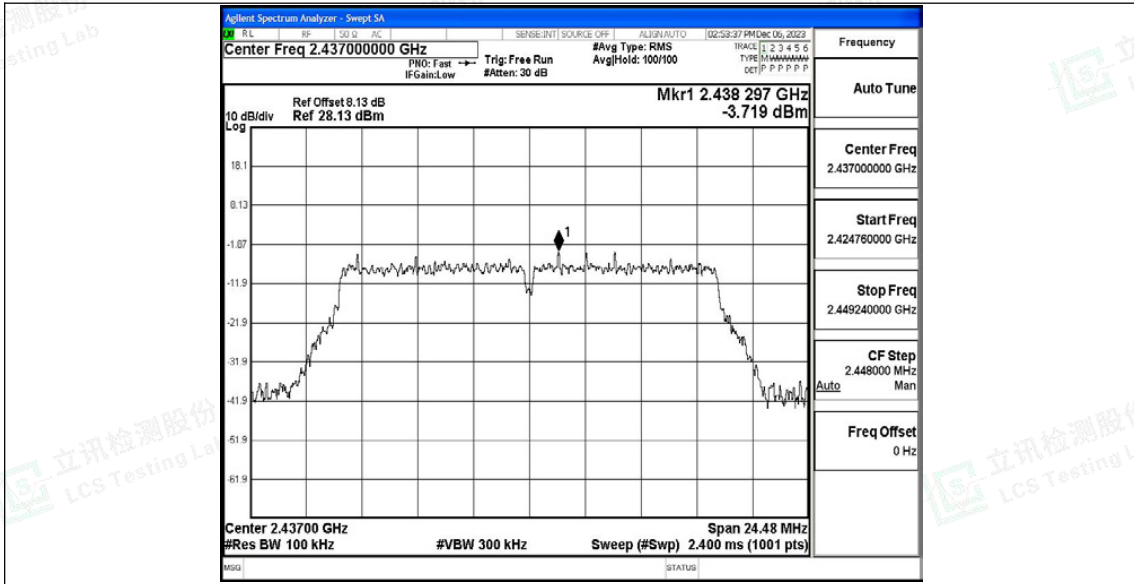




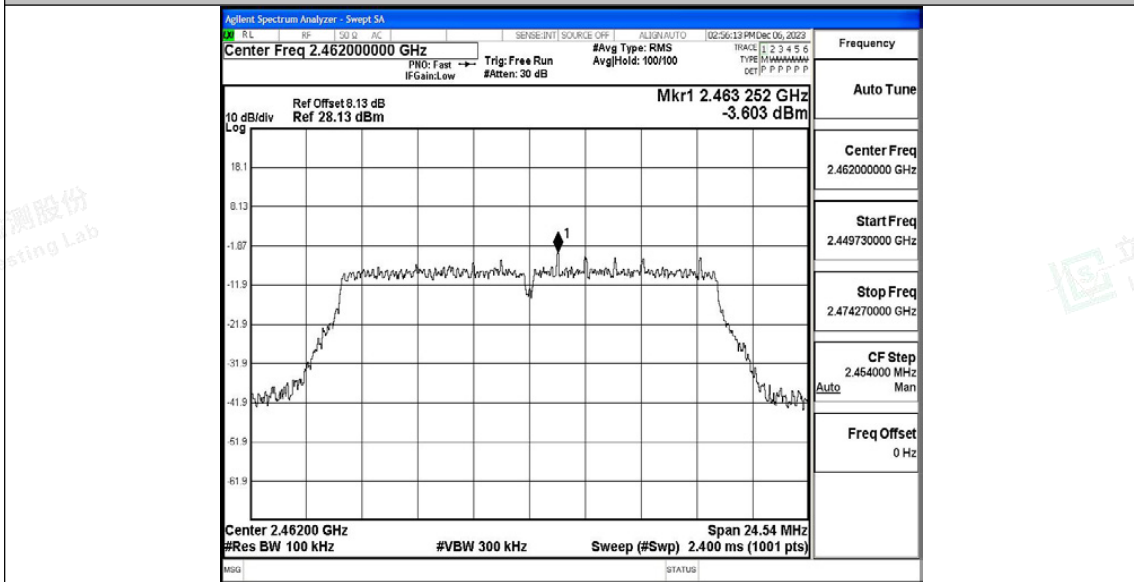
Reference level measurement

Test Graphs



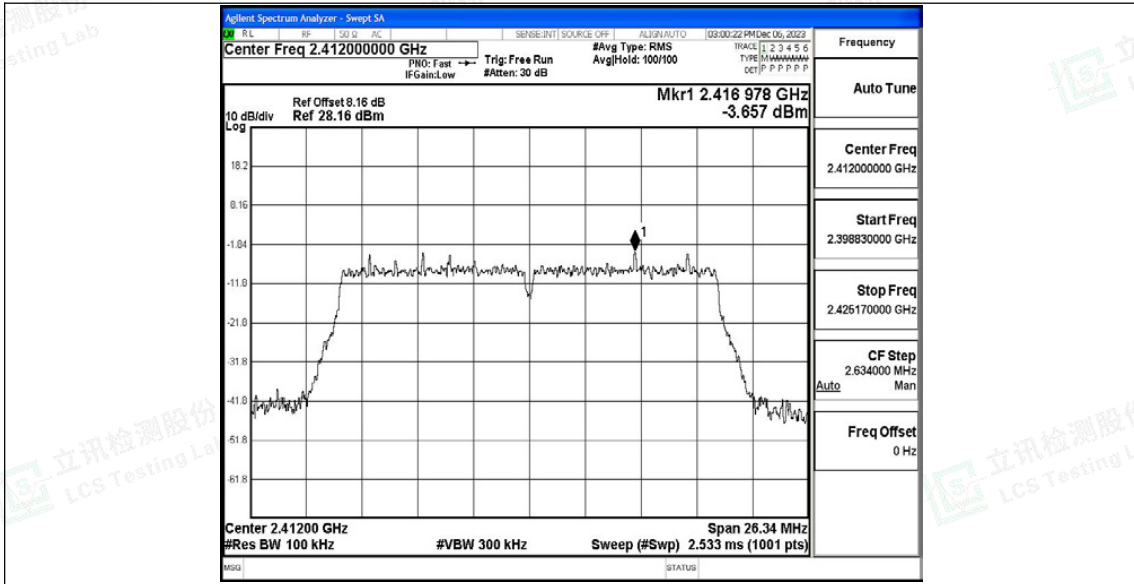


11G_Ant1_2462

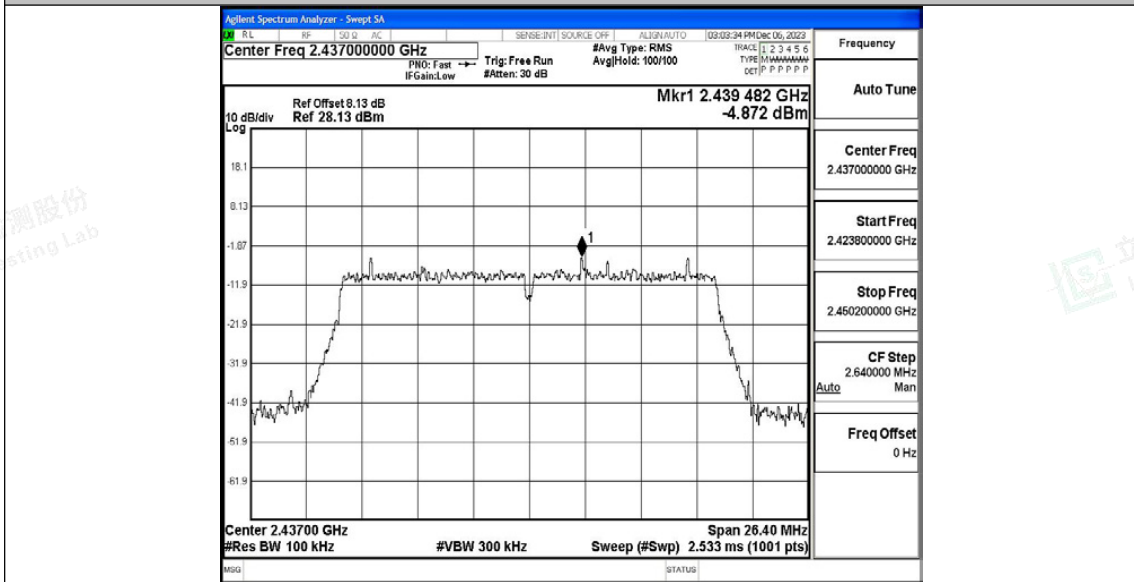


11N20SISO_Ant1_2412



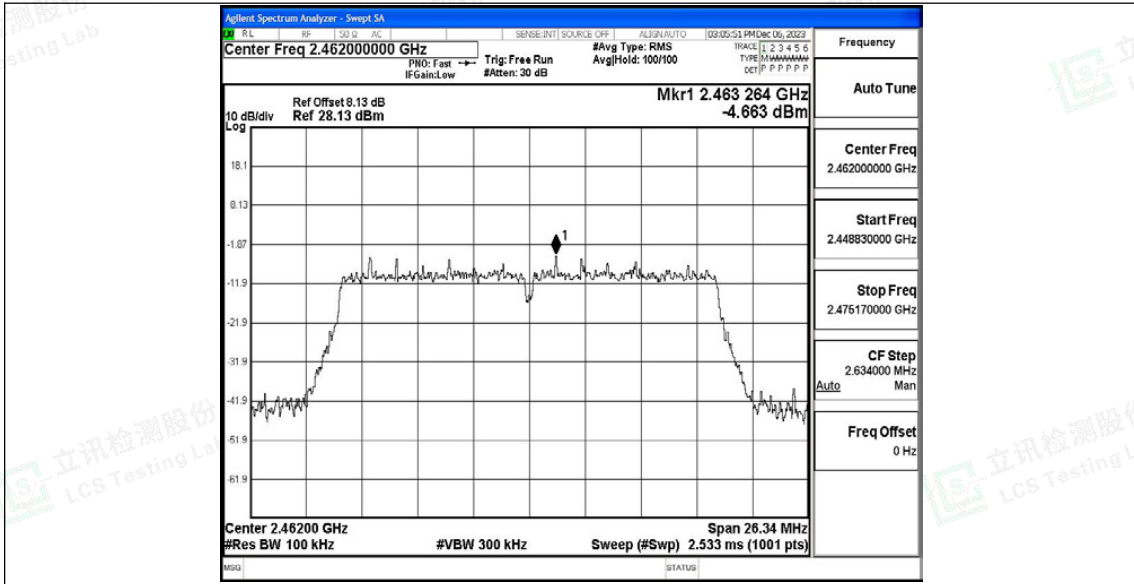


11N20SISO_Ant1_2437

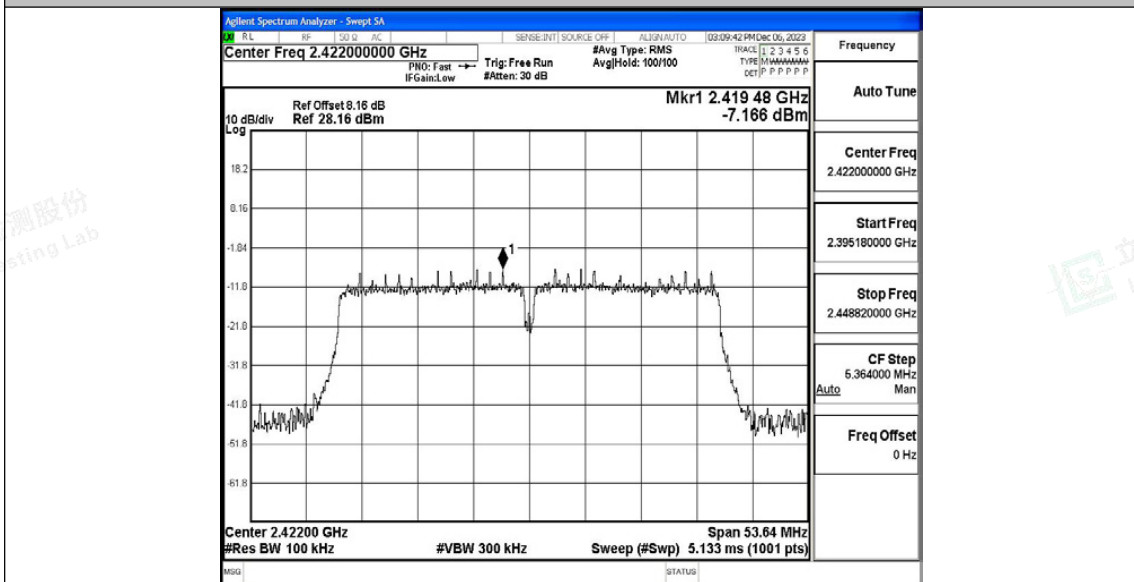


11N20SISO_Ant1_2462



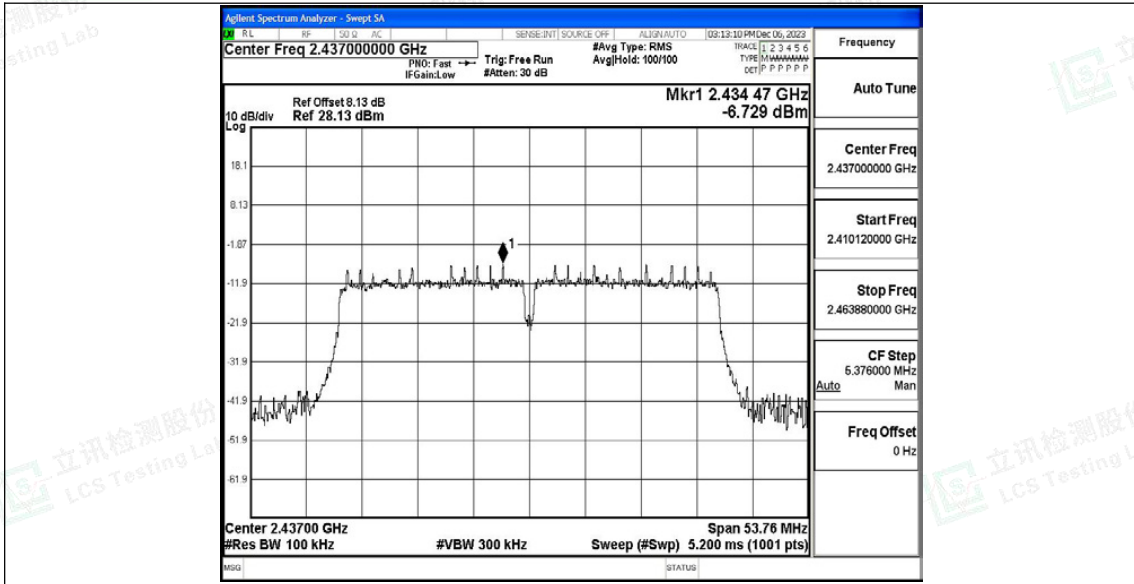


11N40SISO_Ant1_2422

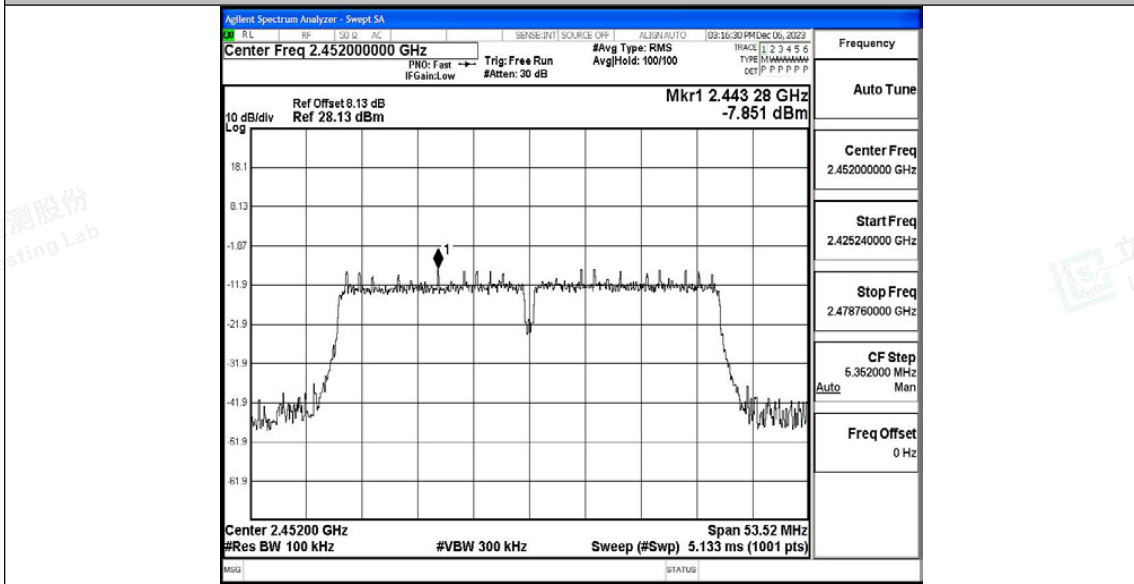


11N40SISO_Ant1_2437





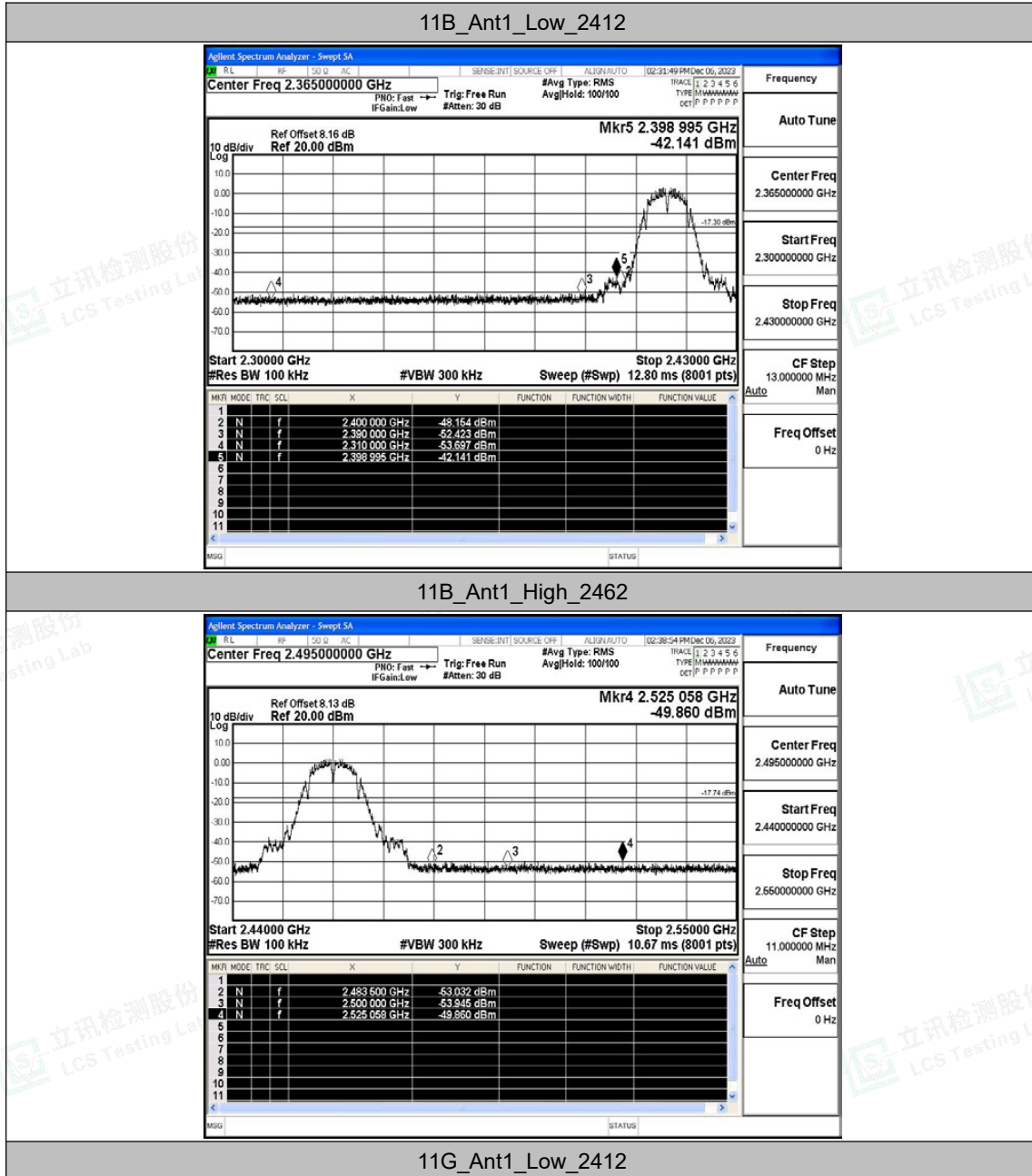
11N40SISO_Ant1_2452

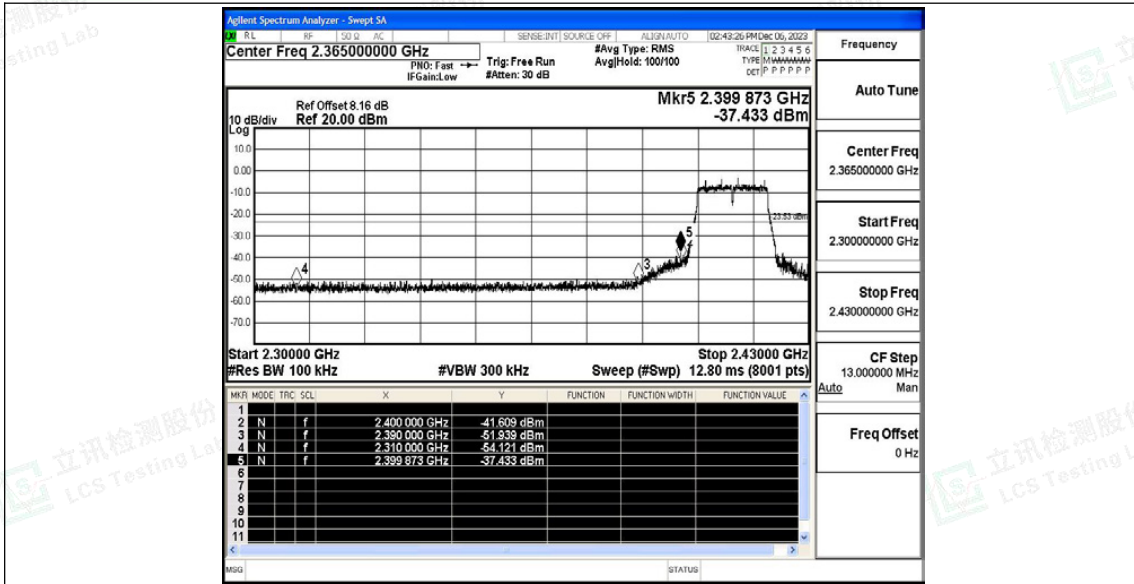




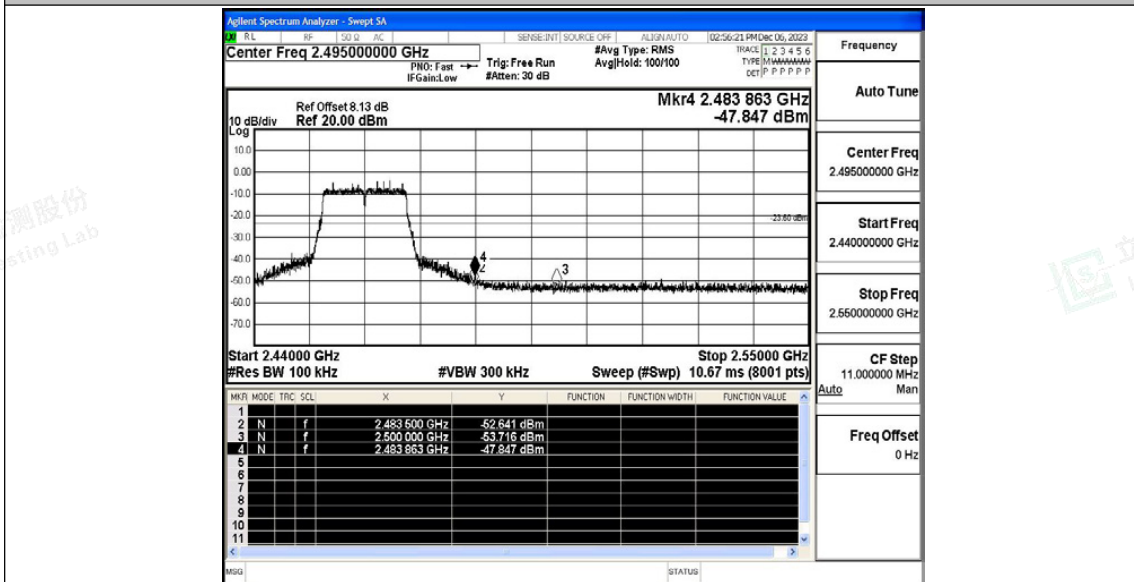
Band edge measurements

Test Graphs



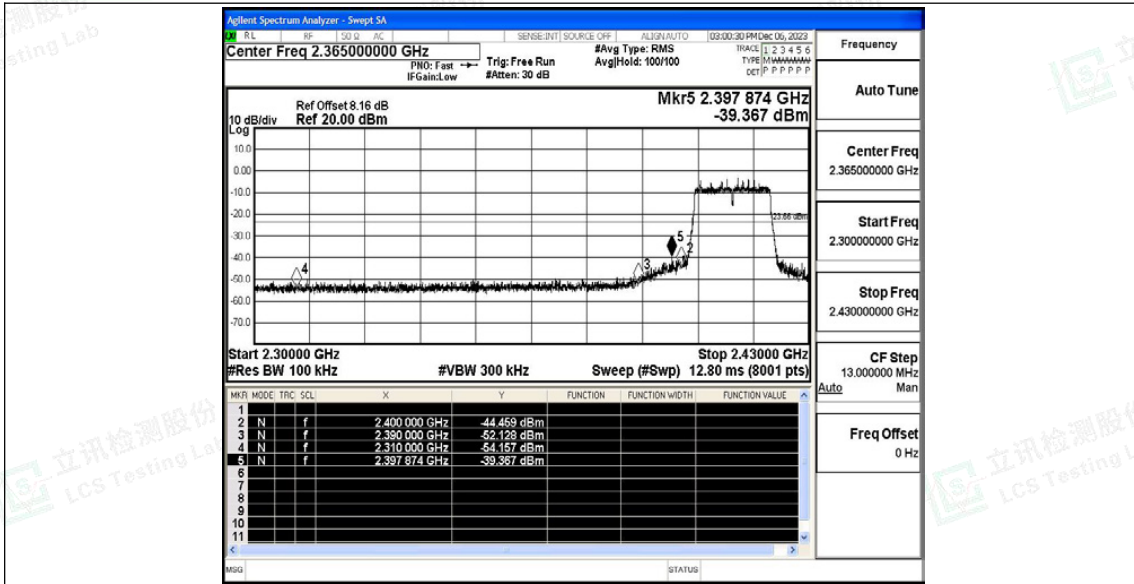


11G_Ant1_High_2462

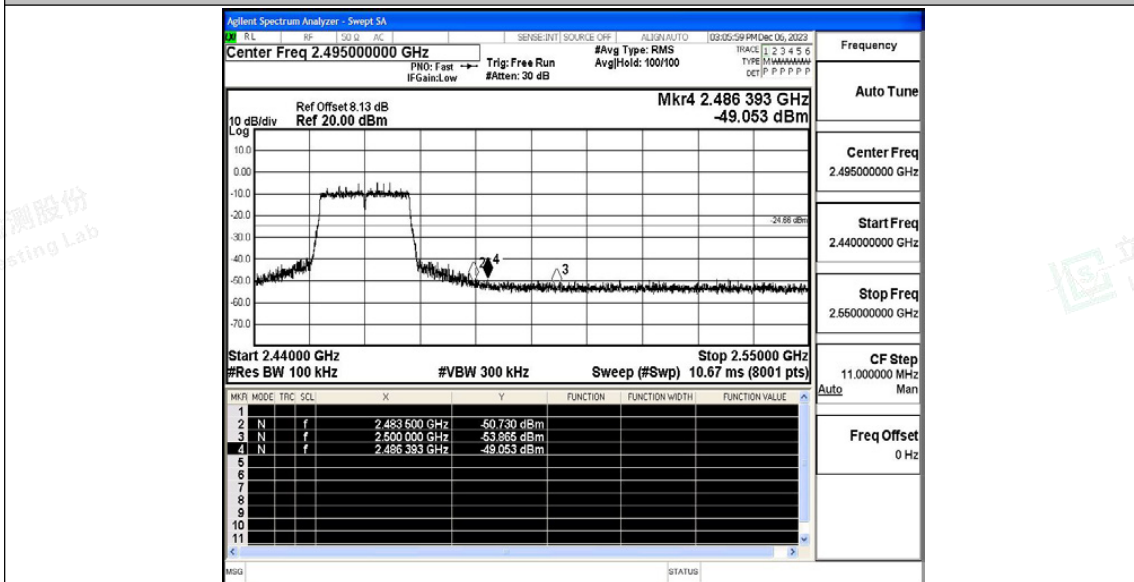


11N20SISO_Ant1_Low_2412



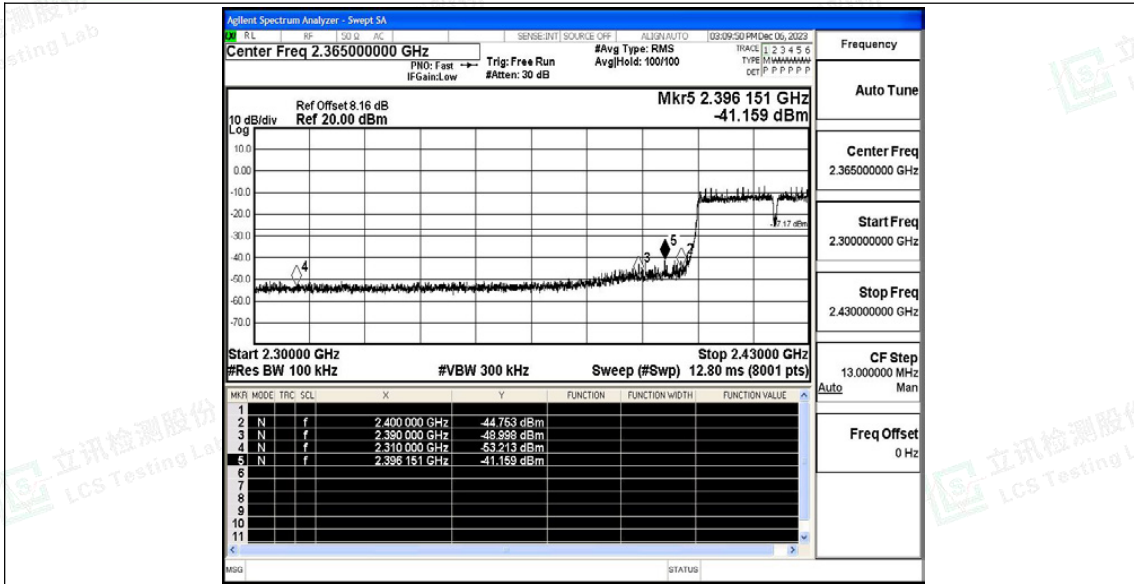


11N20SISO_Ant1_High_2462

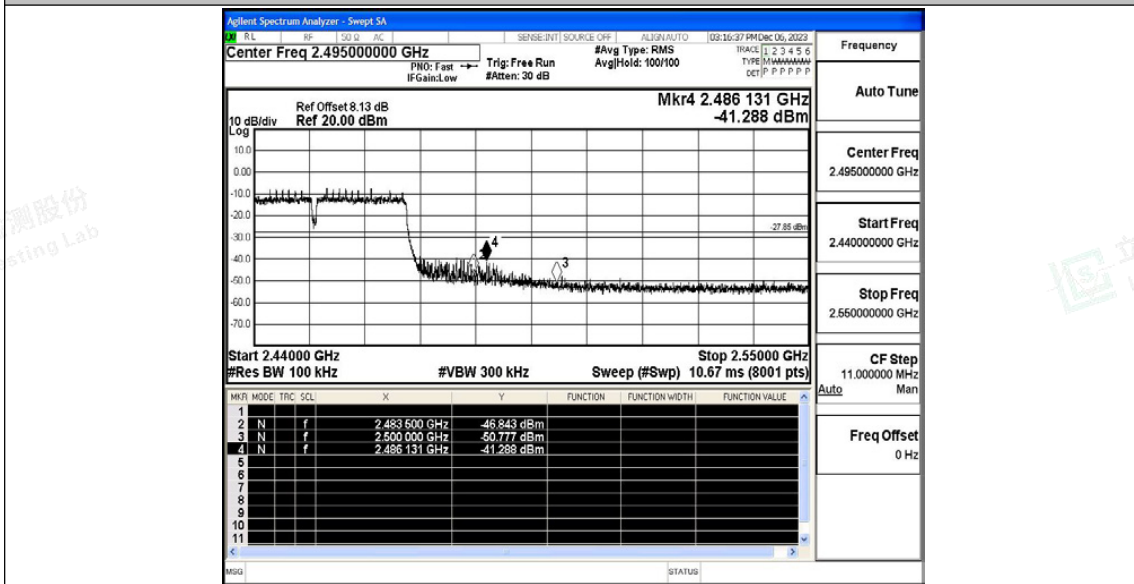


11N40SISO_Ant1_Low_2422





11N40SISO_Ant1_High_2452





C.5 Conducted Spurious Emission

Conducted Spurious Emission

Test Result

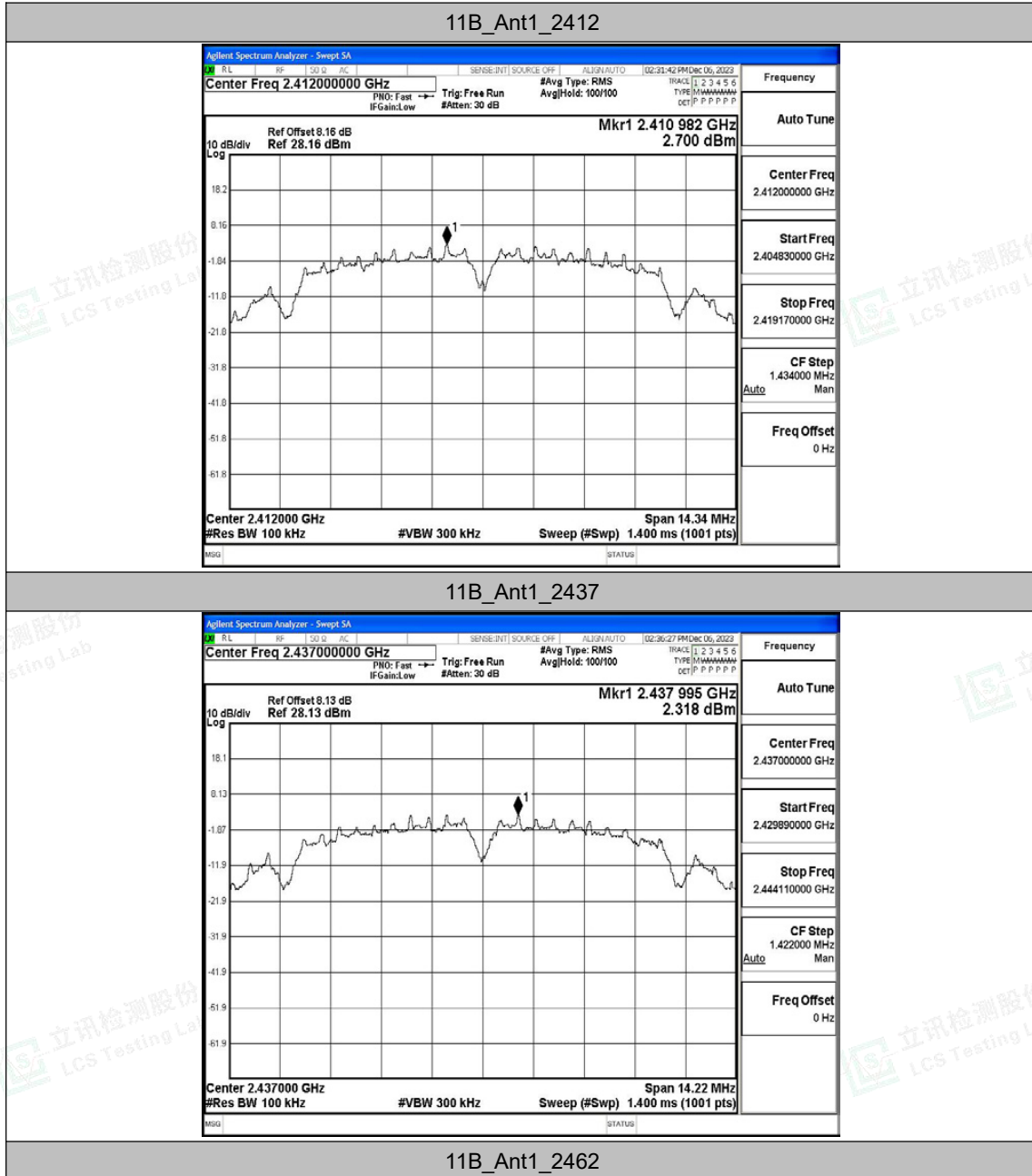
TestMode	Antenna	Freq(MHz)	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	2.70	-61.71	≤-17.3	PASS
			1000~26500	2.70	-48.74	≤-17.3	PASS
		2437	30~1000	2.32	-62.27	≤-17.68	PASS
			1000~26500	2.32	-49.51	≤-17.68	PASS
		2462	30~1000	2.26	-61.73	≤-17.74	PASS
			1000~26500	2.26	-49.38	≤-17.74	PASS
11G	Ant1	2412	30~1000	-3.53	-61.88	≤-23.53	PASS
			1000~26500	-3.53	-48.72	≤-23.53	PASS
		2437	30~1000	-3.72	-61.77	≤-23.72	PASS
			1000~26500	-3.72	-48.62	≤-23.72	PASS
		2462	30~1000	-3.60	-61.94	≤-23.6	PASS
			1000~26500	-3.60	-49.27	≤-23.6	PASS
11N20SISO	Ant1	2412	30~1000	-3.66	-61.99	≤-23.66	PASS
			1000~26500	-3.66	-49.58	≤-23.66	PASS
		2437	30~1000	-4.87	-61.79	≤-24.87	PASS
			1000~26500	-4.87	-49.18	≤-24.87	PASS
		2462	30~1000	-4.66	-61.03	≤-24.66	PASS
			1000~26500	-4.66	-48.31	≤-24.66	PASS
11N40SISO	Ant1	2422	30~1000	-7.17	-62.22	≤-27.17	PASS
			1000~26500	-7.17	-49.21	≤-27.17	PASS
		2437	30~1000	-6.73	-62.05	≤-26.73	PASS
			1000~26500	-6.73	-49.08	≤-26.73	PASS
		2452	30~1000	-7.85	-60.8	≤-27.85	PASS
			1000~26500	-7.85	-49.37	≤-27.85	PASS

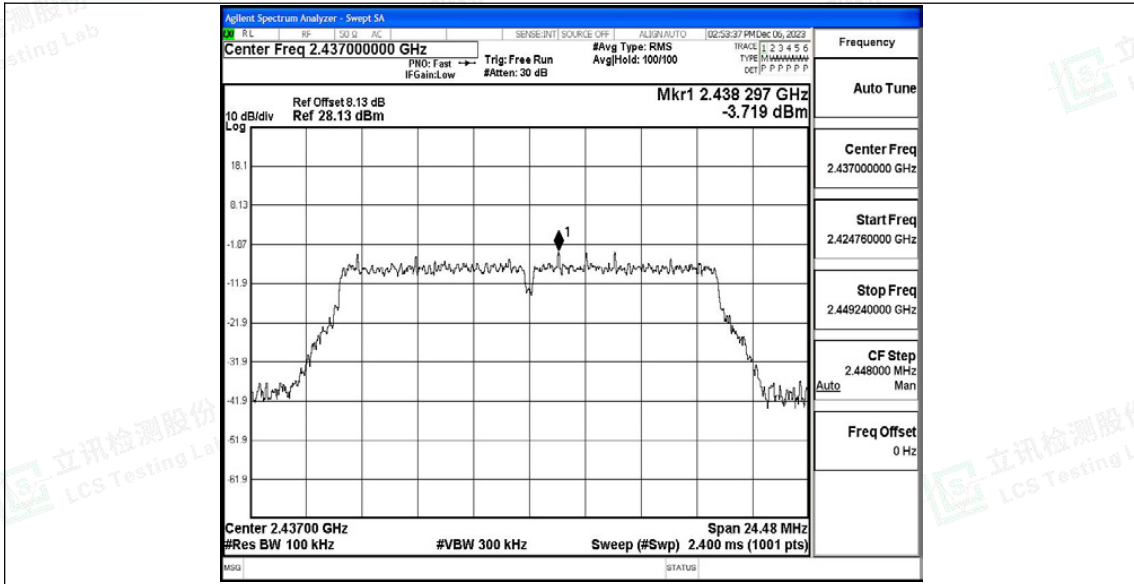




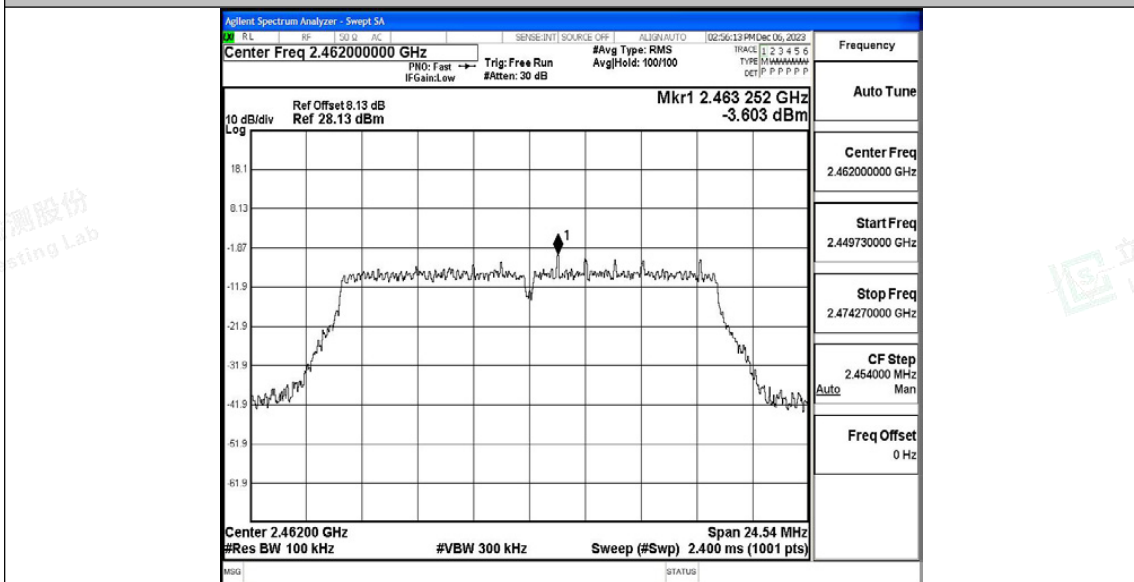
Reference level measurement

Test Graphs



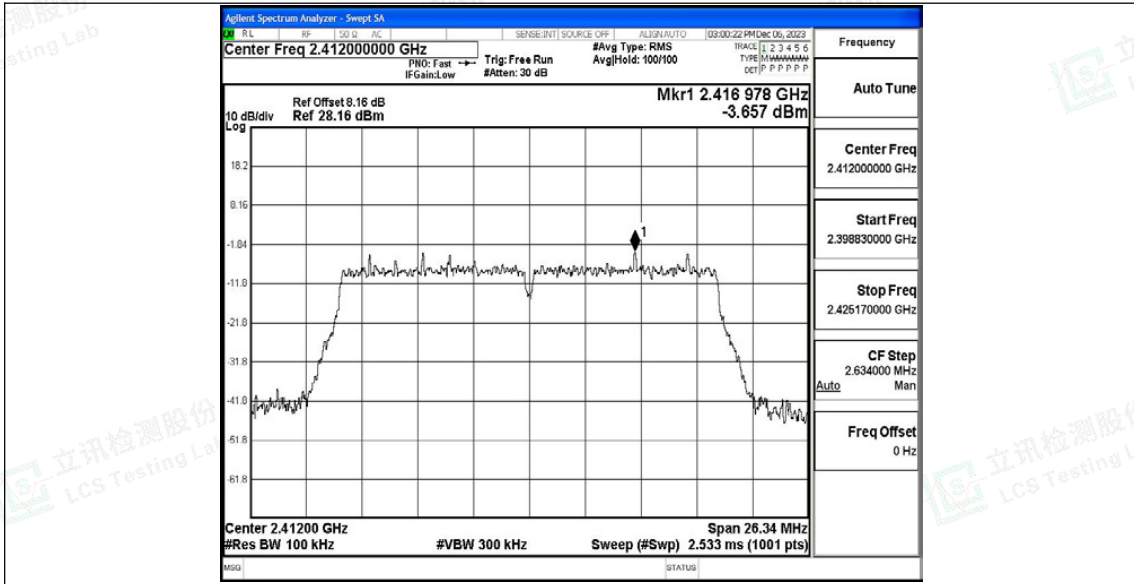


11G_Ant1_2462

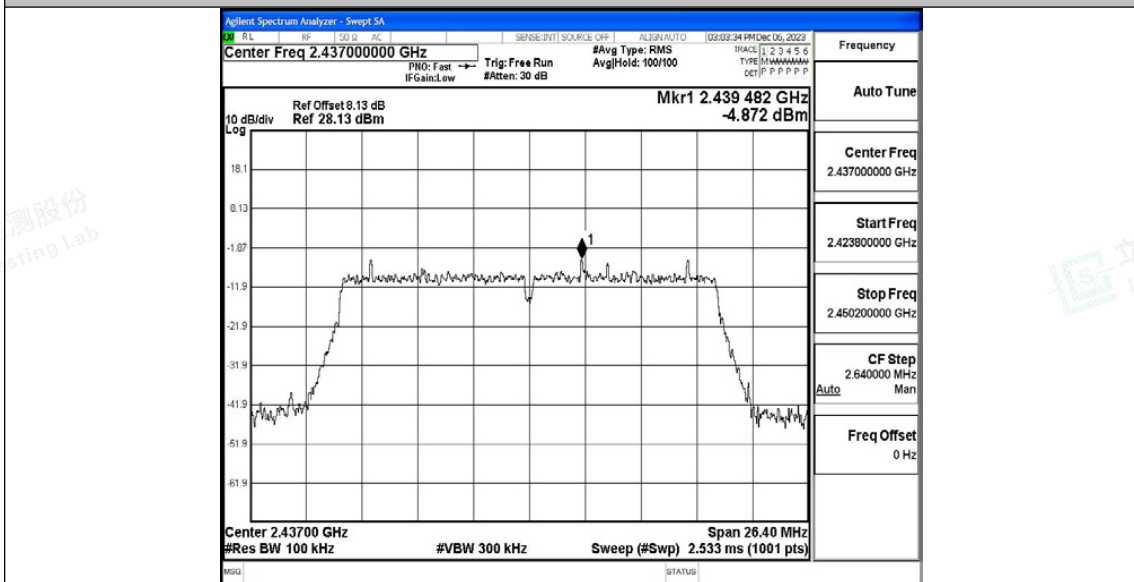


11N20SISO_Ant1_2412



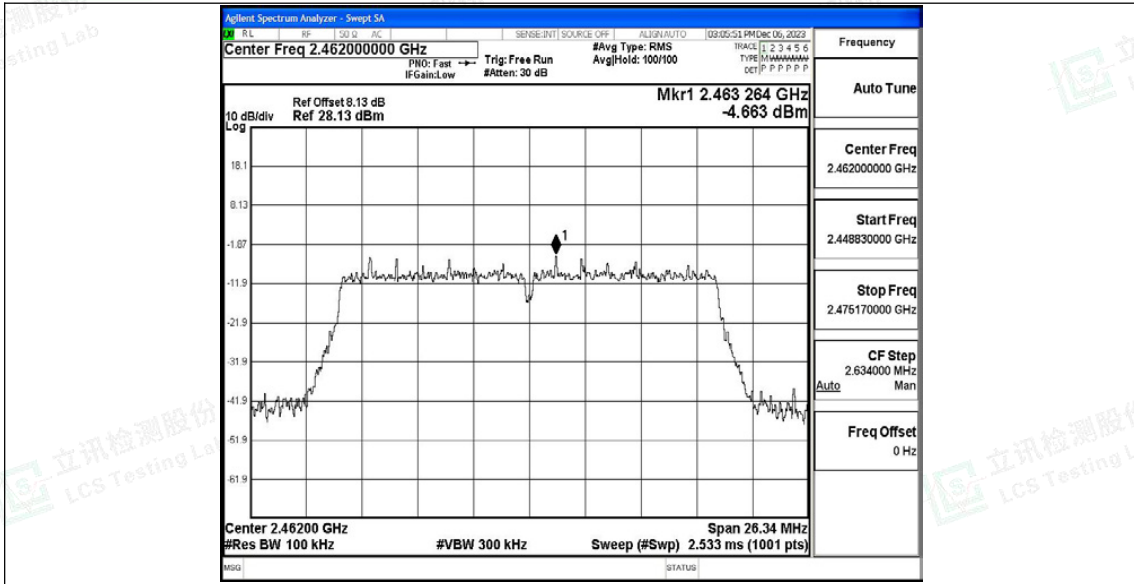


11N20SISO_Ant1_2437

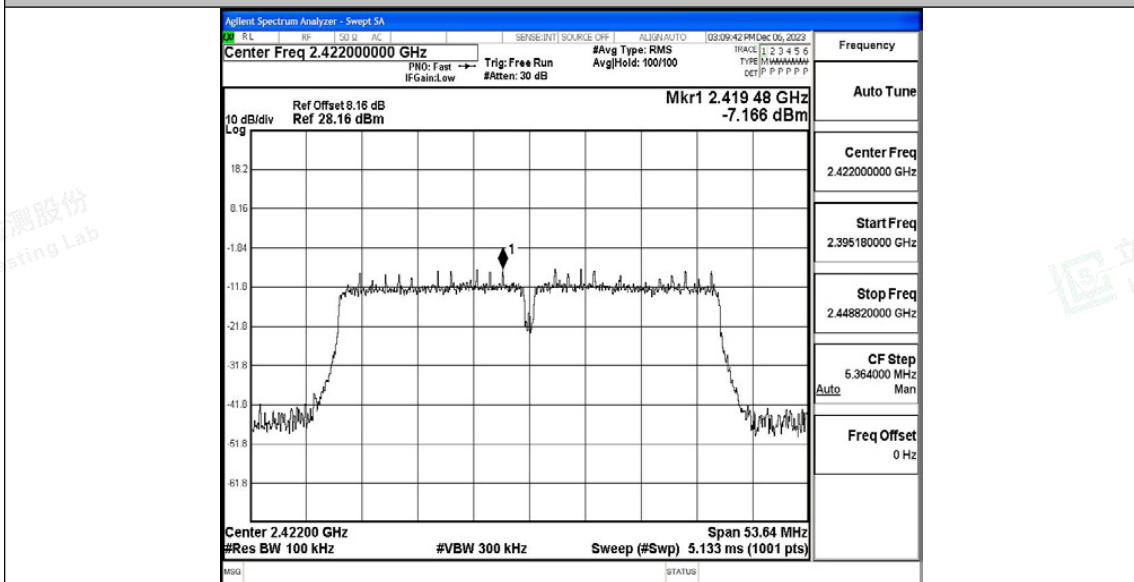


11N20SISO_Ant1_2462



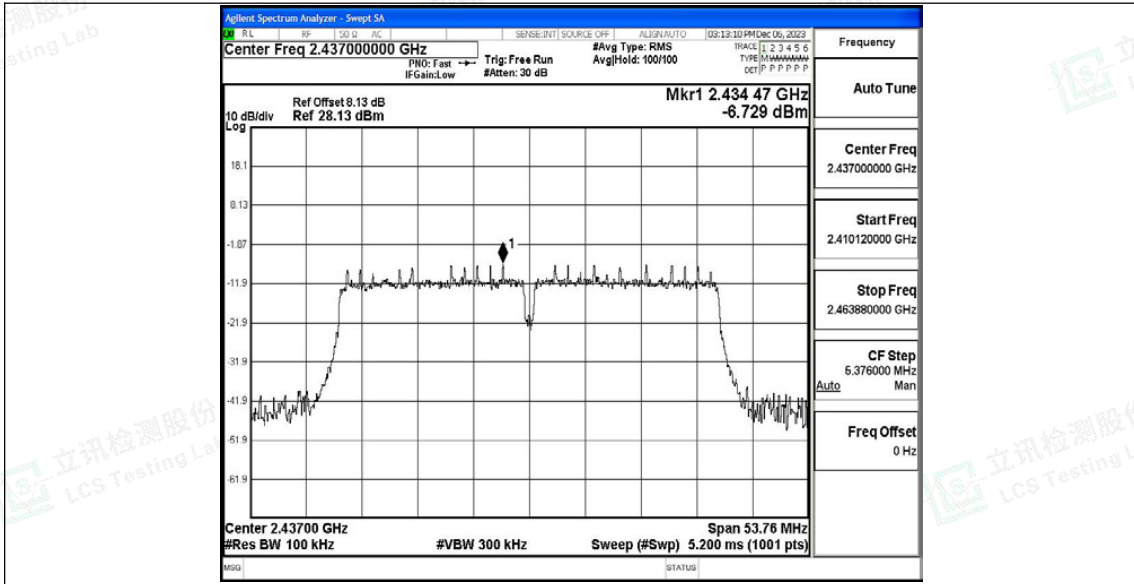


11N40SISO_Ant1_2422

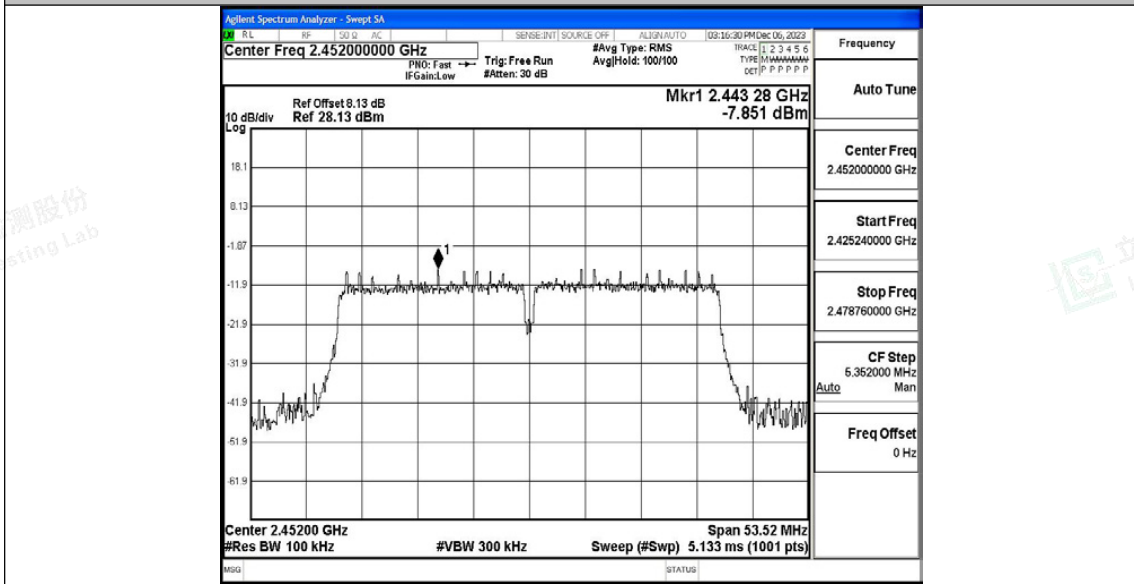


11N40SISO_Ant1_2437





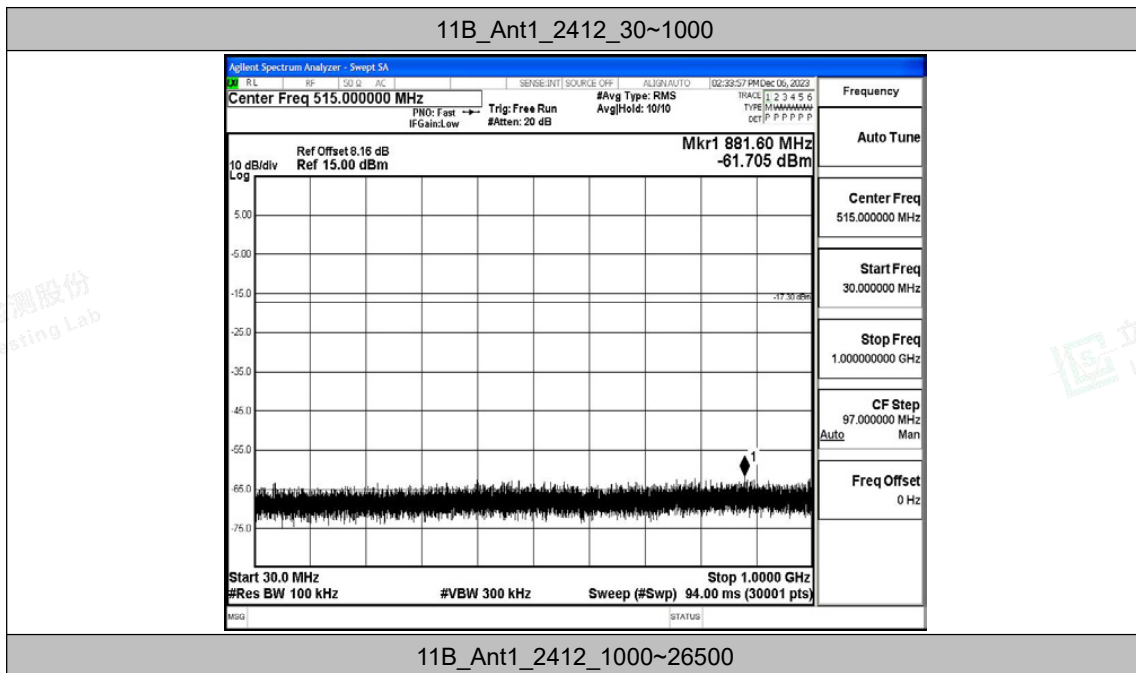
11N40SISO_Ant1_2452

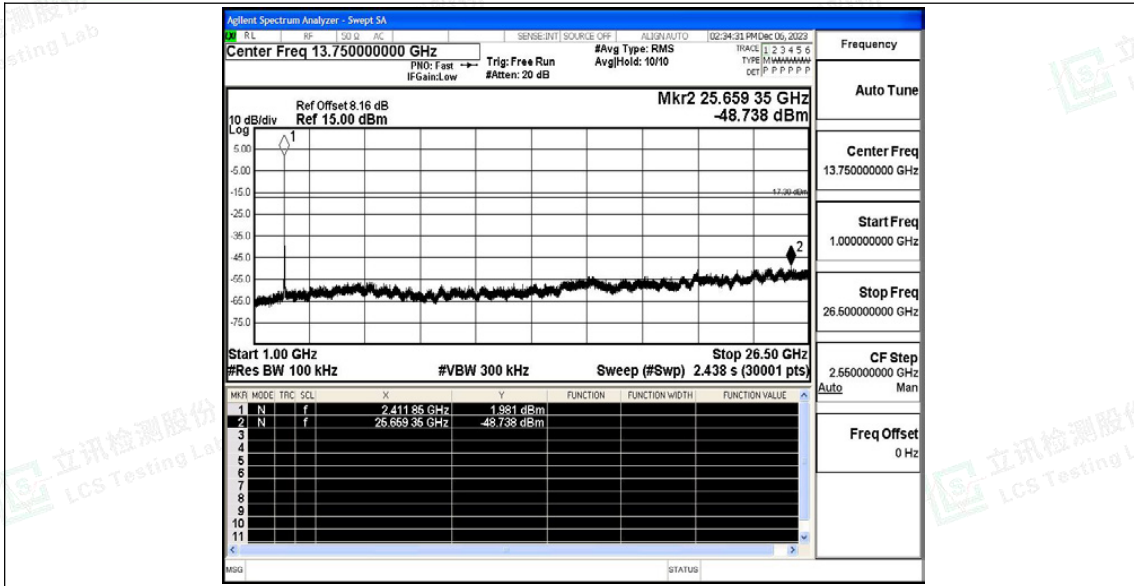




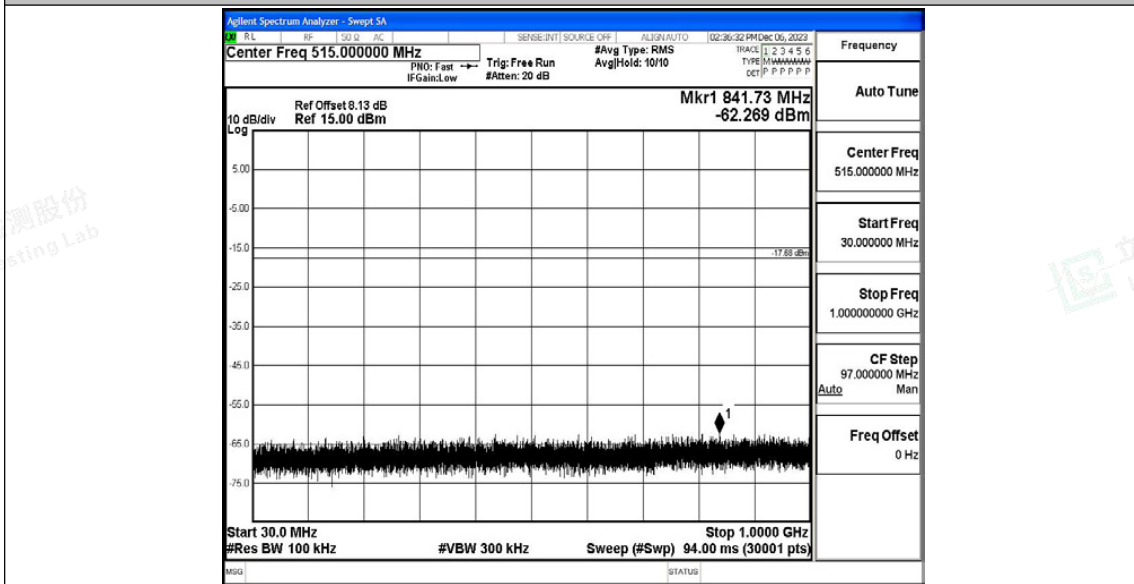
Conducted Spurious Emission

Test Graphs



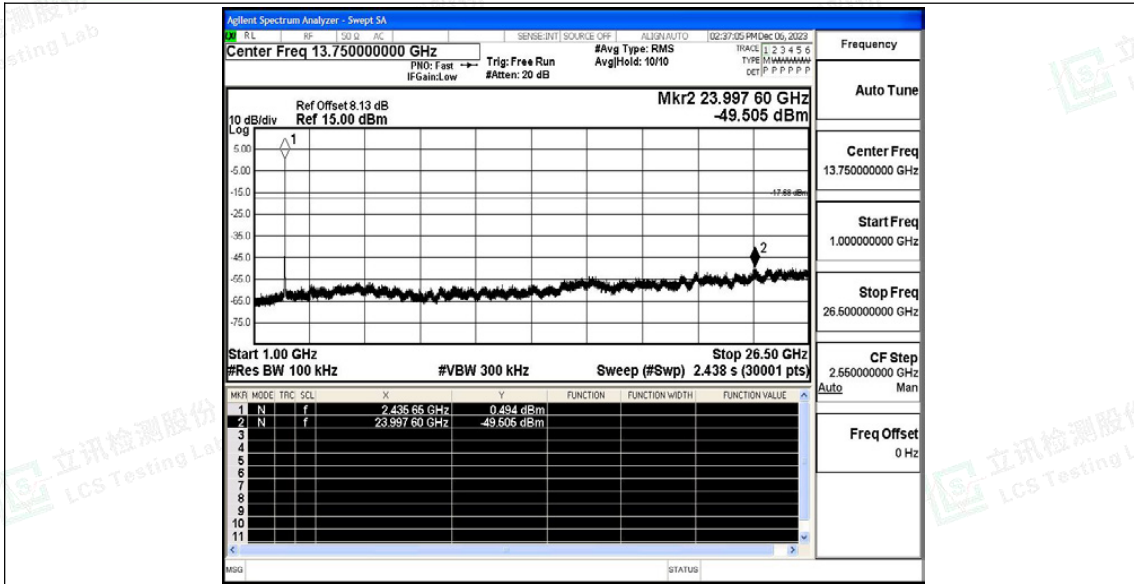


11B_Ant1_2437_30~1000

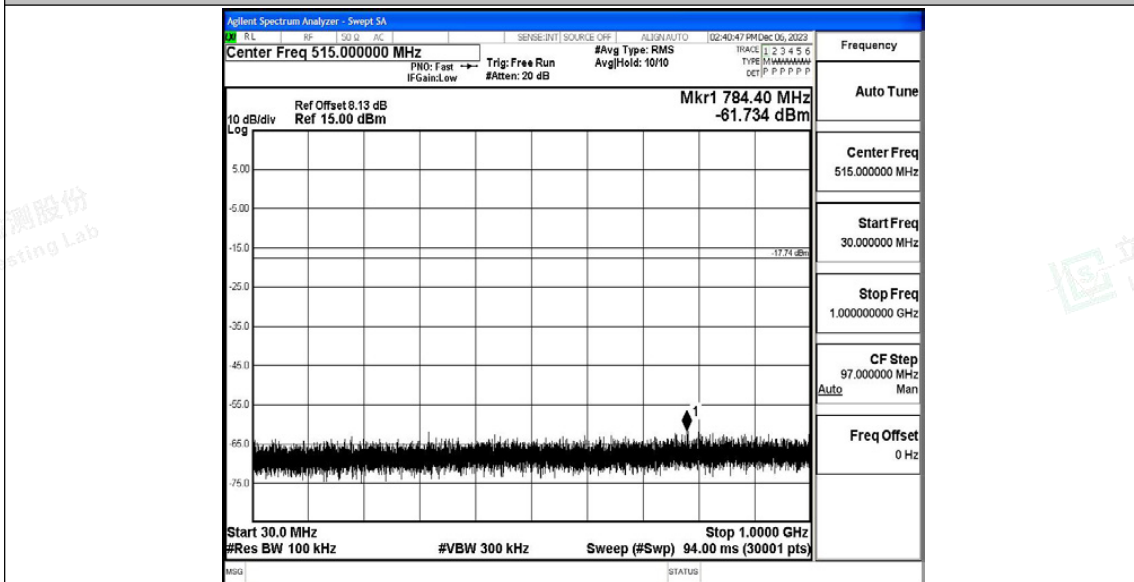


11B_Ant1_2437_1000~26500



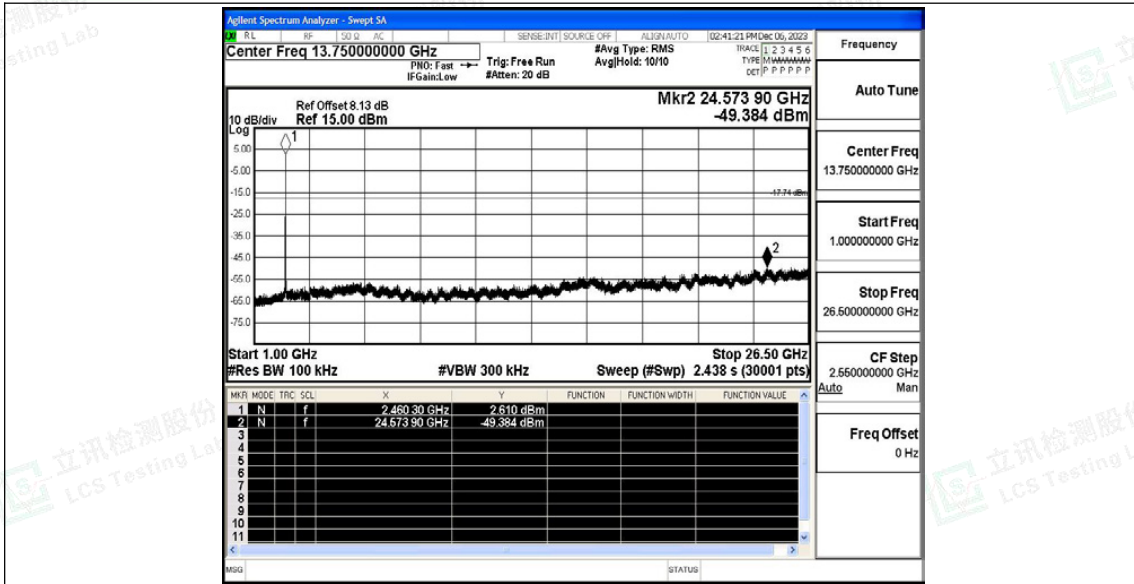


11B_Ant1_2462_30~1000

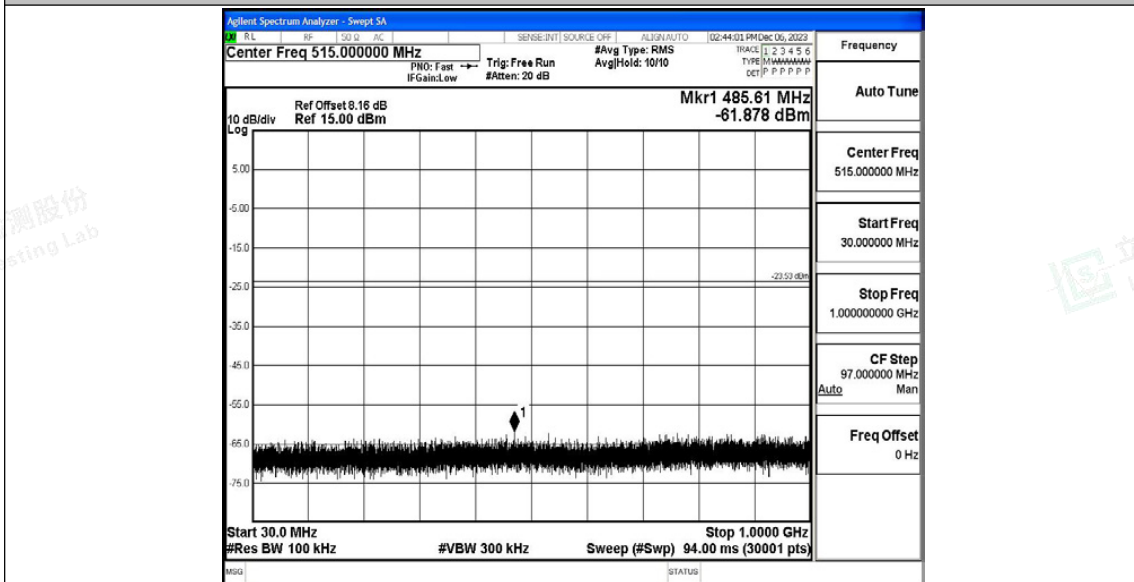


11B_Ant1_2462_1000~26500





11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500

