



Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: AMD R1305G Player

Test Model: SMPA-R1305G

Environmental Conditions

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



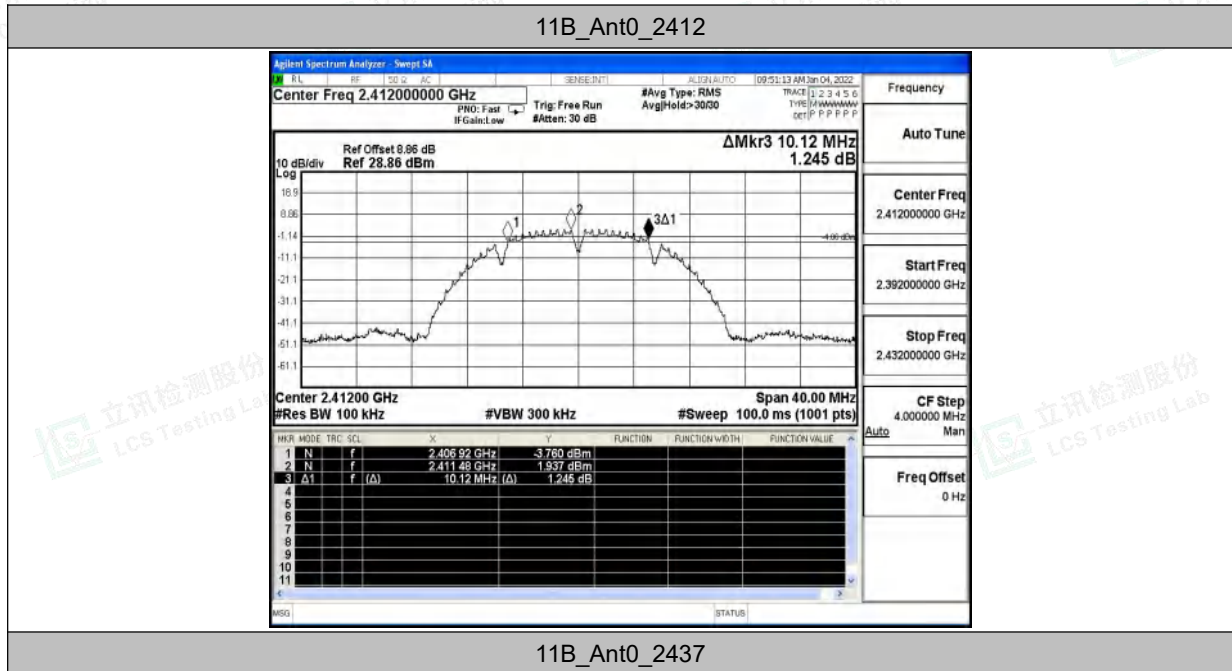


C.1 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	10.120	2406.920	2417.040	0.5	PASS
		2437	10.120	2431.920	2442.040	0.5	PASS
		2462	10.120	2456.920	2467.040	0.5	PASS
11G	Ant0	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant0	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	Ant0	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

Test Graphs

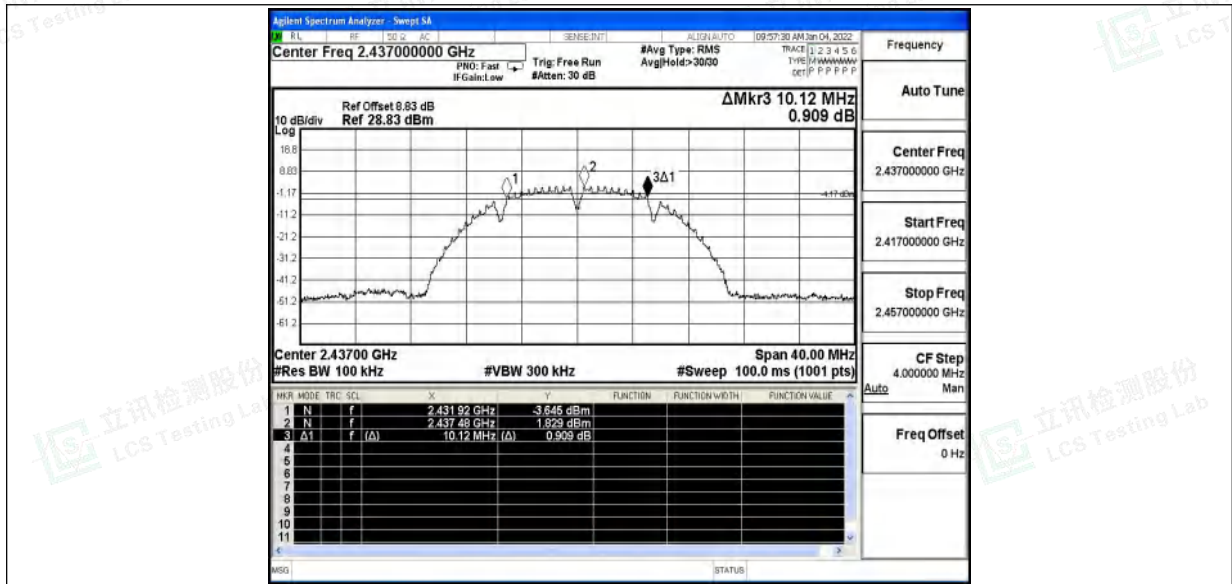


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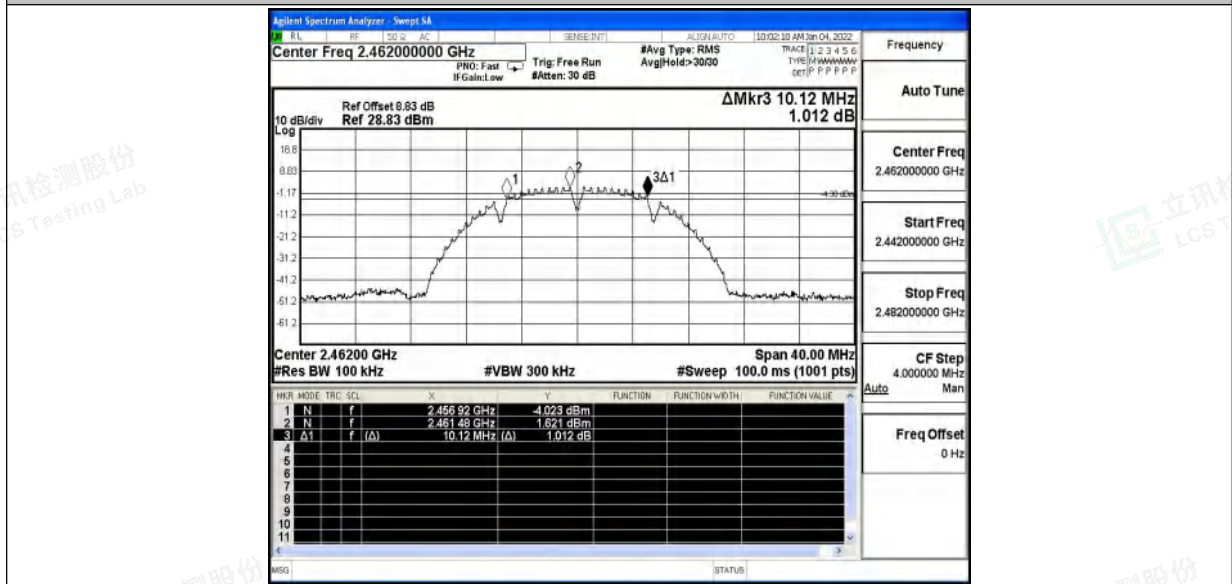
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11B_Ant0_2462



11G_Ant0_2412

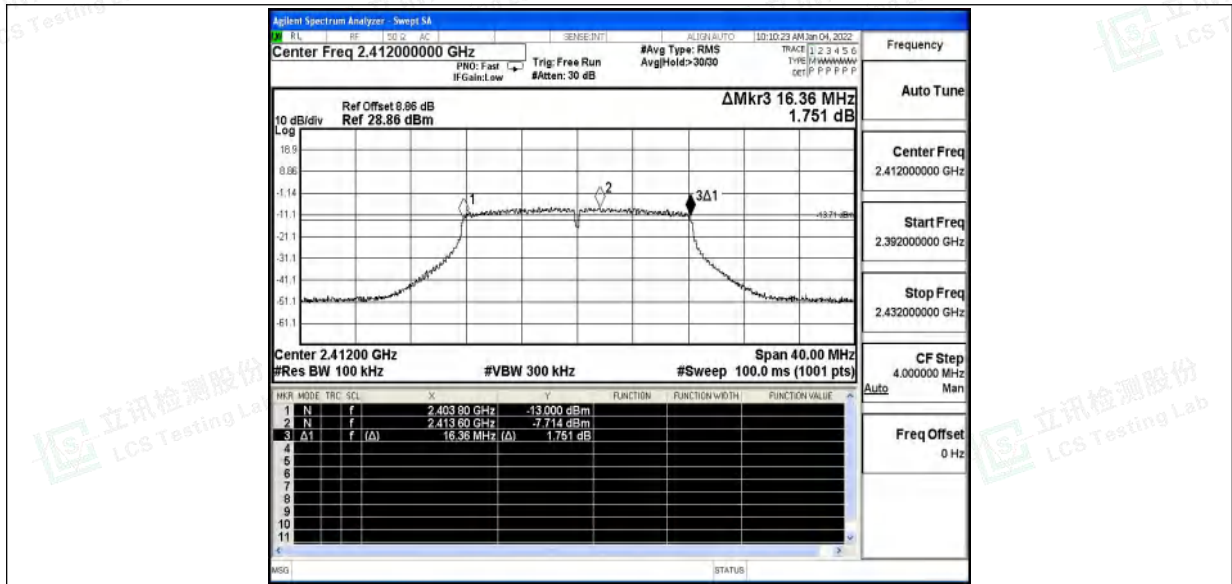


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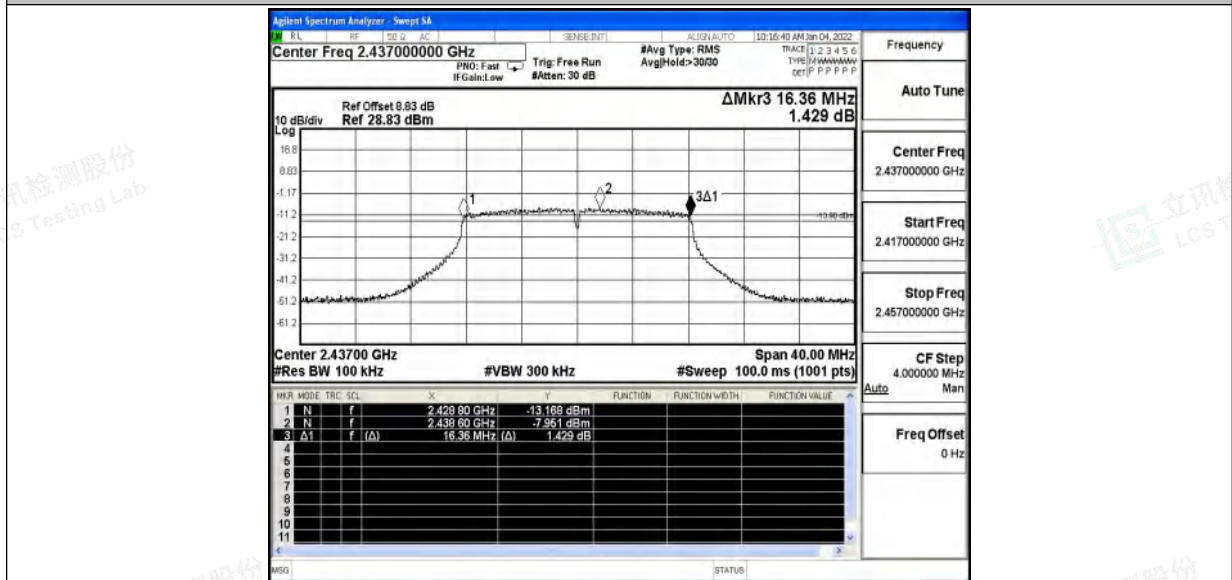
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11G_Ant0_2437



11G_Ant0_2462

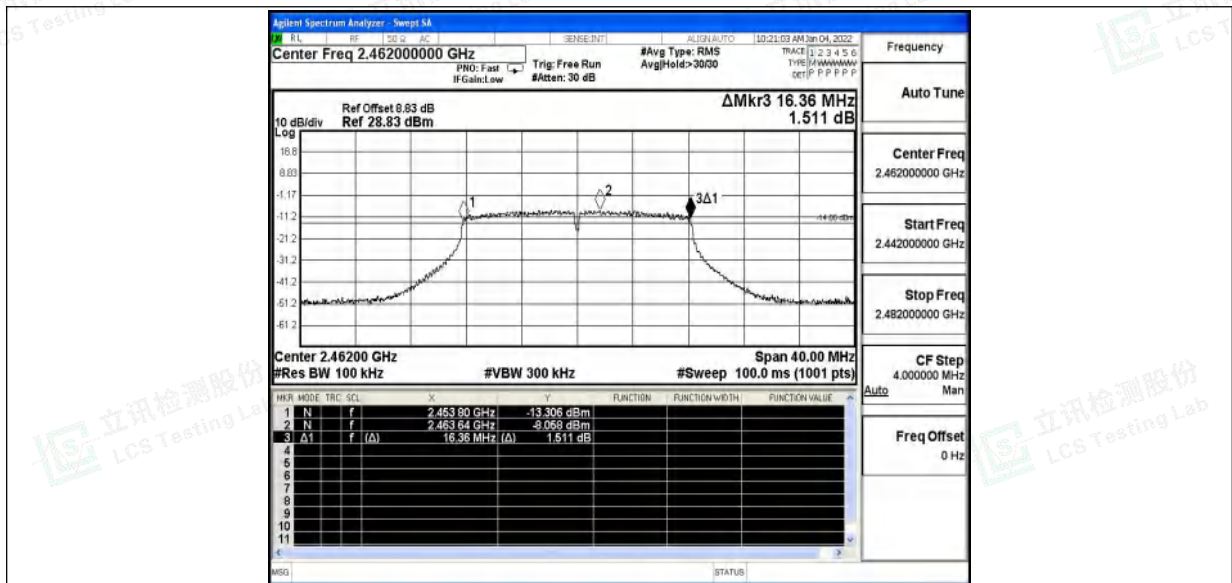


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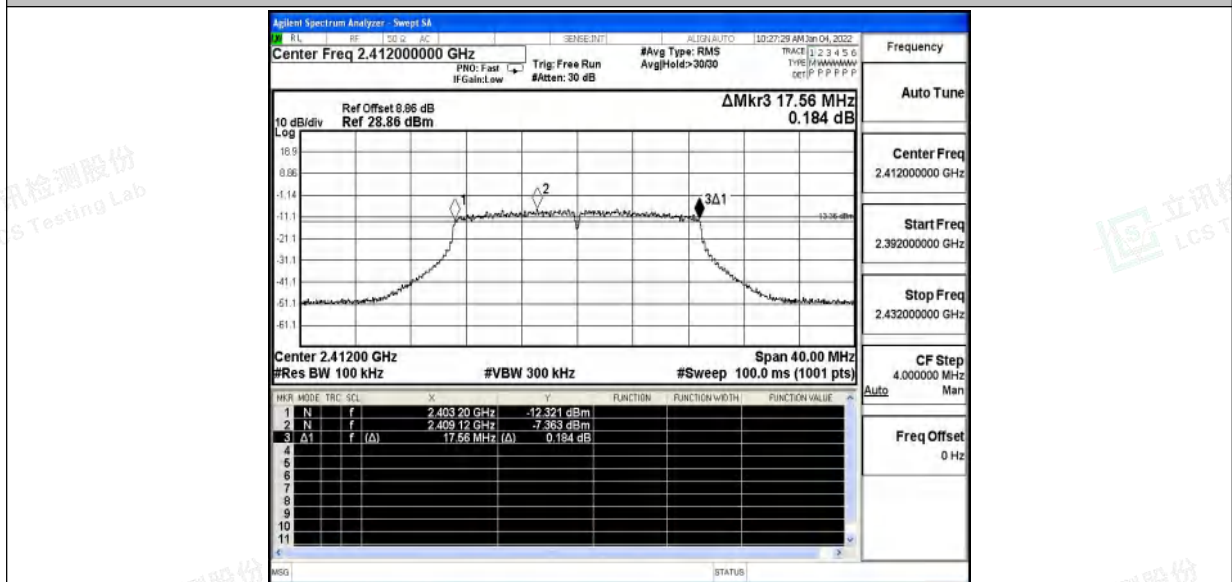
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11N20SISO_Ant0_2412



11N20SISO_Ant0_2437

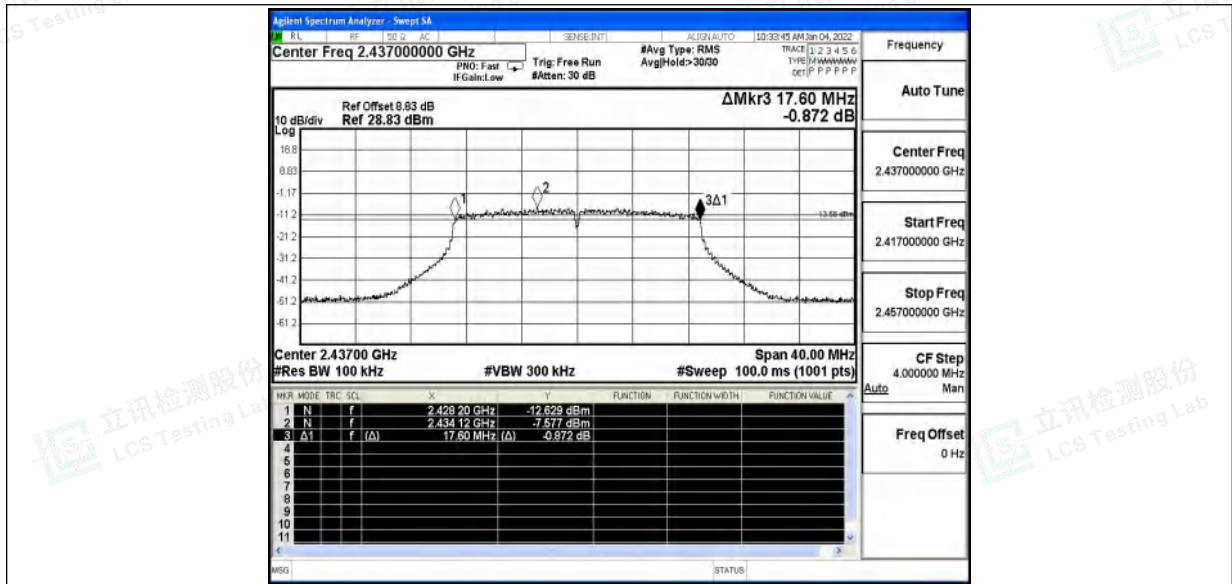


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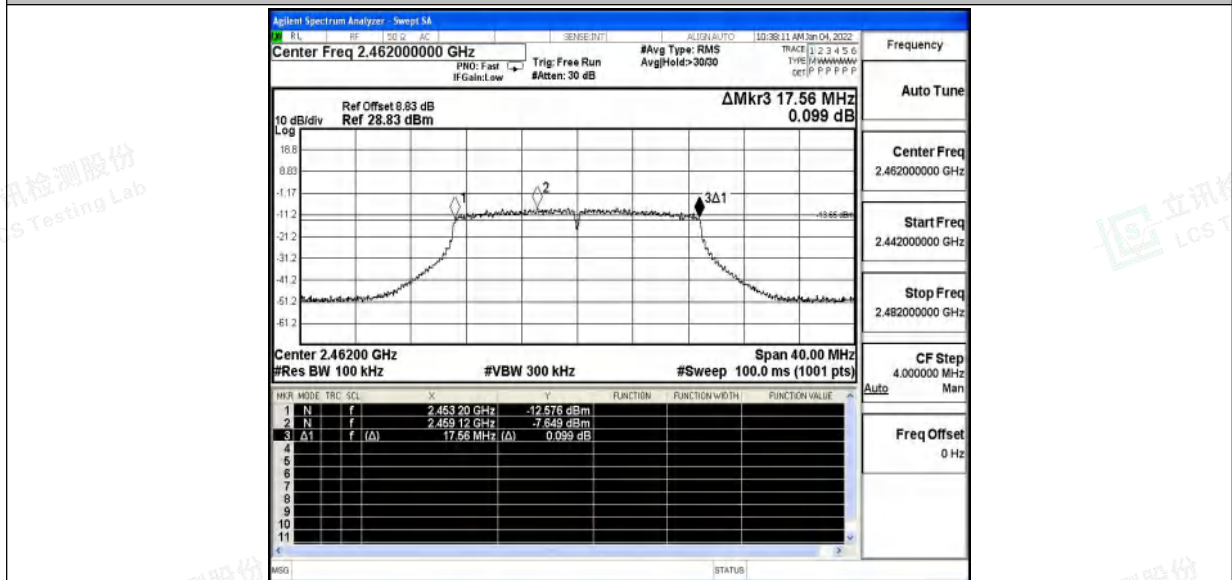
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11N20SISO_Ant0_2462



11N40SISO_Ant0_2422

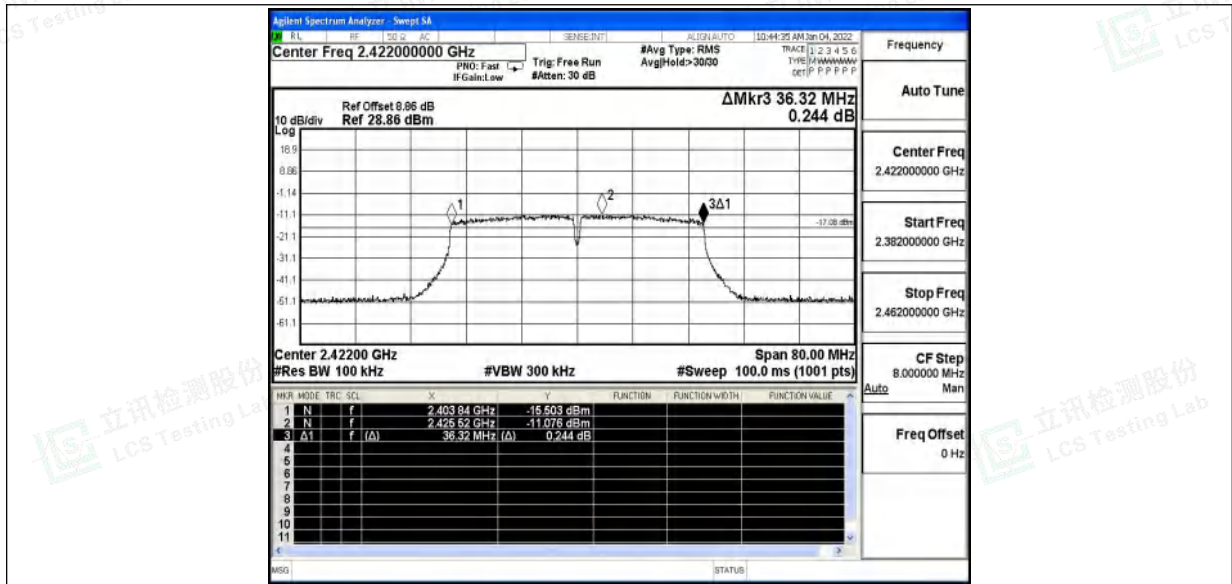


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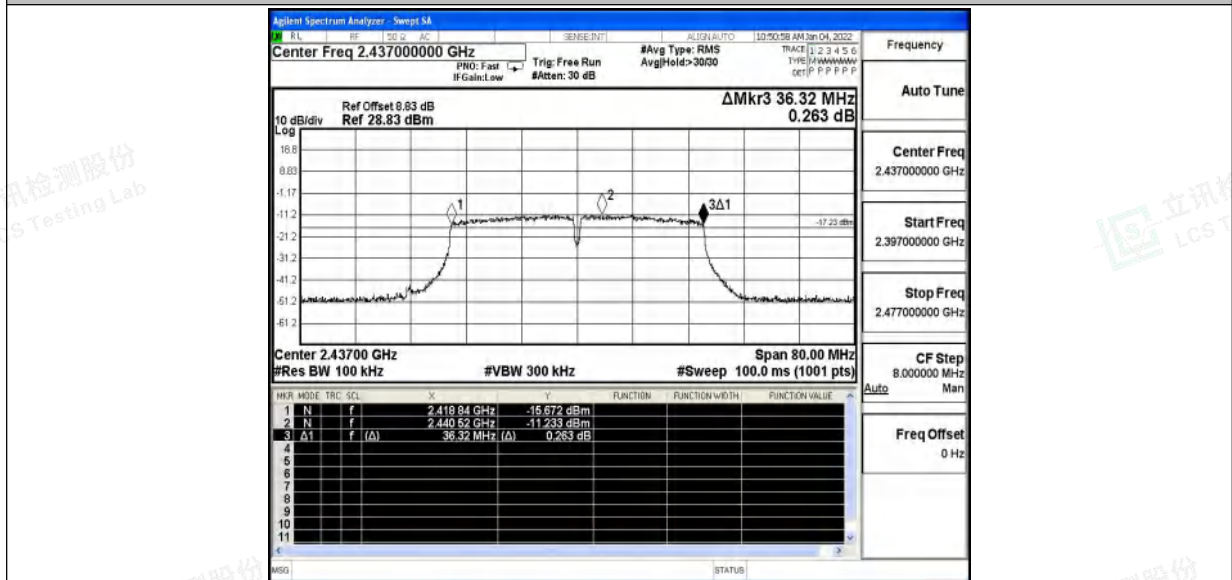
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11N40SISO_Ant0_2437



11N40SISO_Ant0_2452

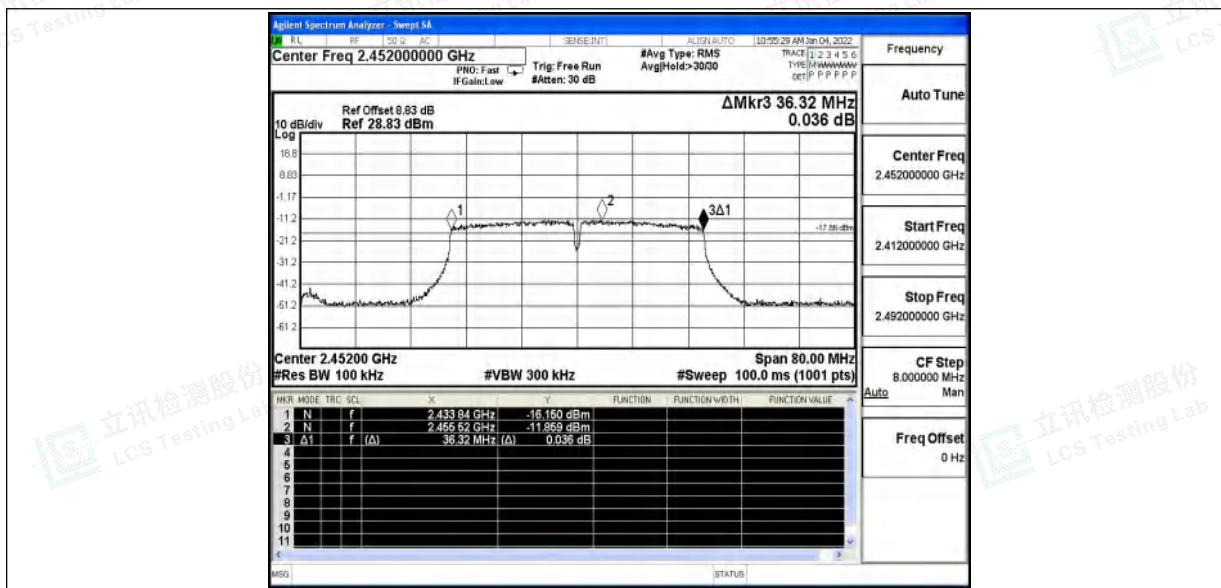


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TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.120	2406.920	2417.040	0.5	PASS
		2437	10.120	2431.920	2442.040	0.5	PASS
		2462	10.120	2456.920	2467.040	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.200	2420.760	0.5	PASS
		2437	17.560	2428.200	2445.760	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS



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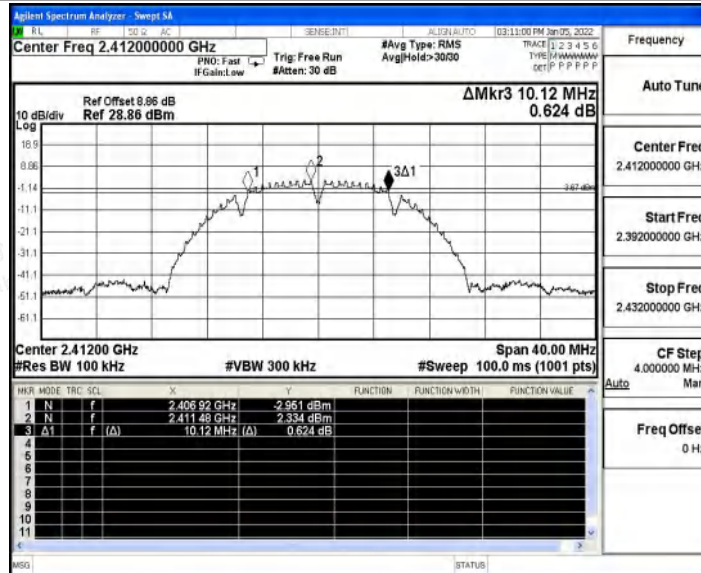
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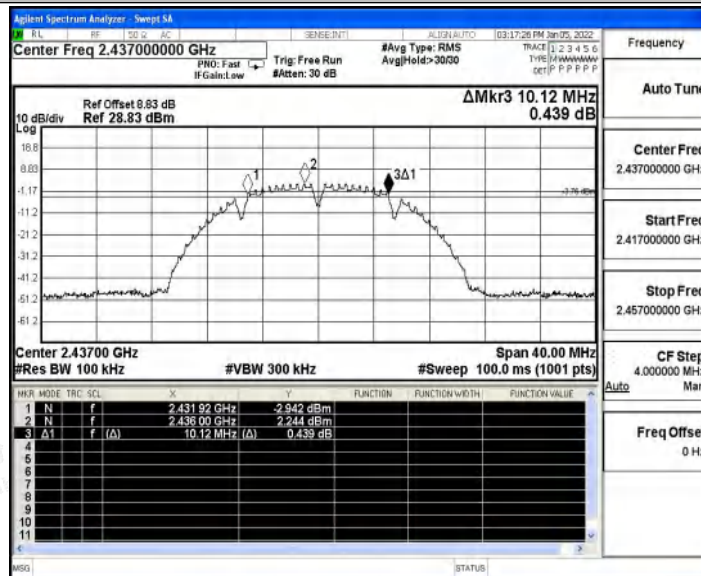


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

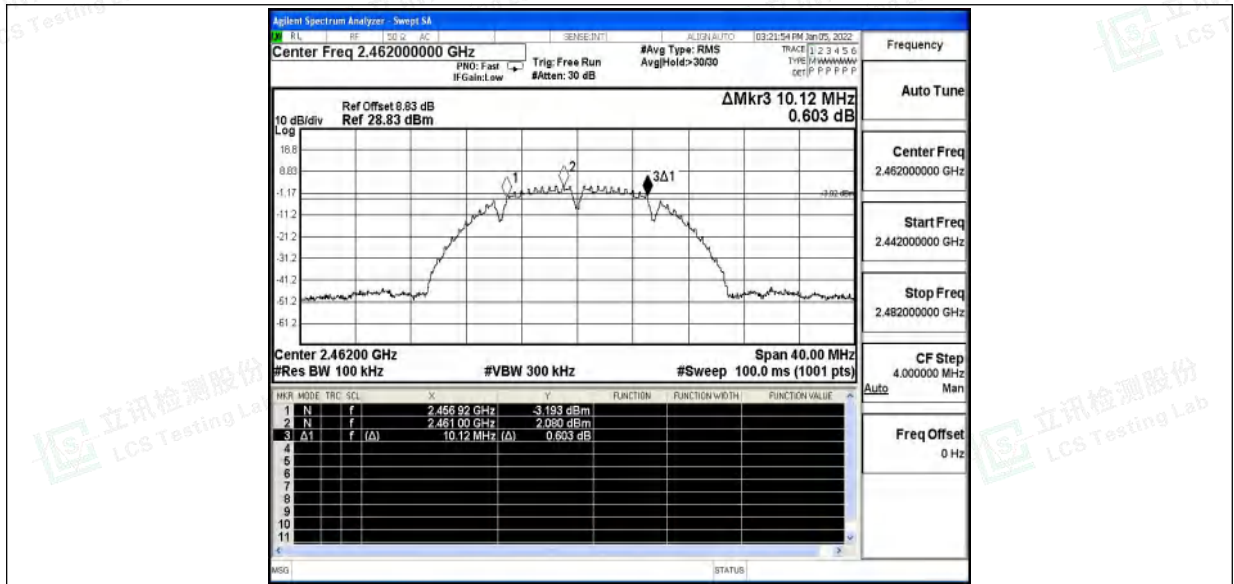


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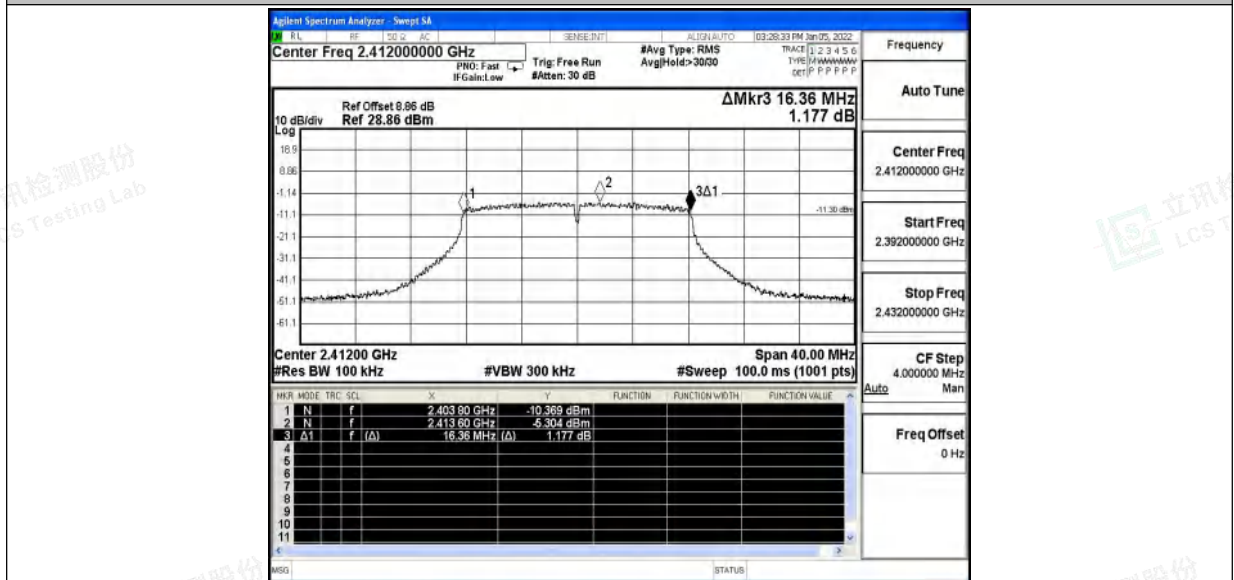
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11G_Ant1_2412



11G_Ant1_2437

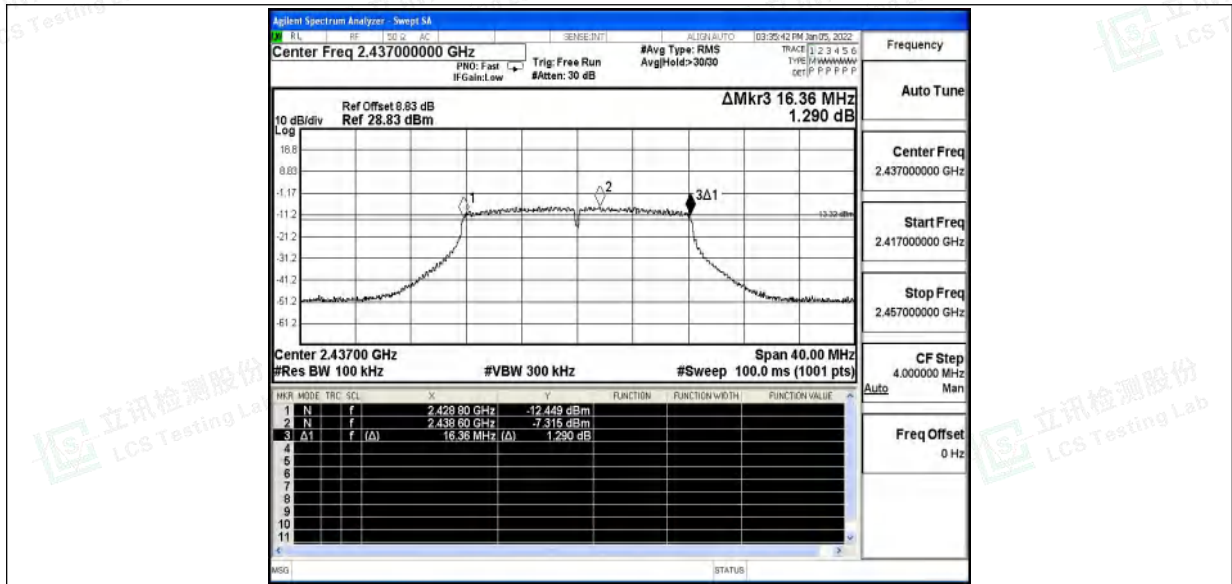


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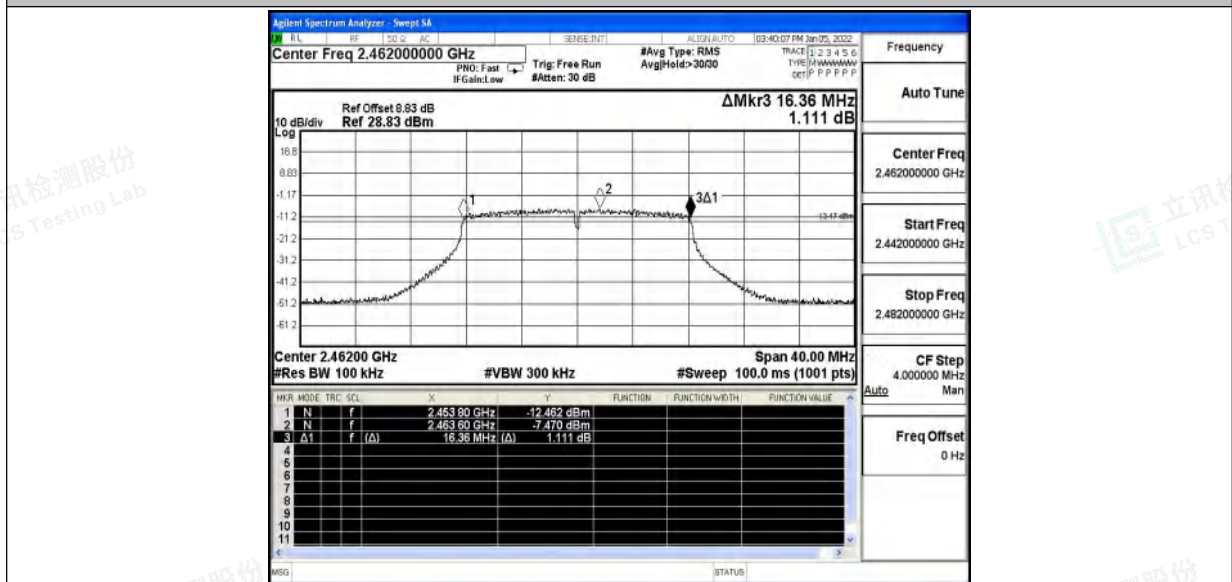
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11G_Ant1_2462



11N20SISO_Ant1_2412

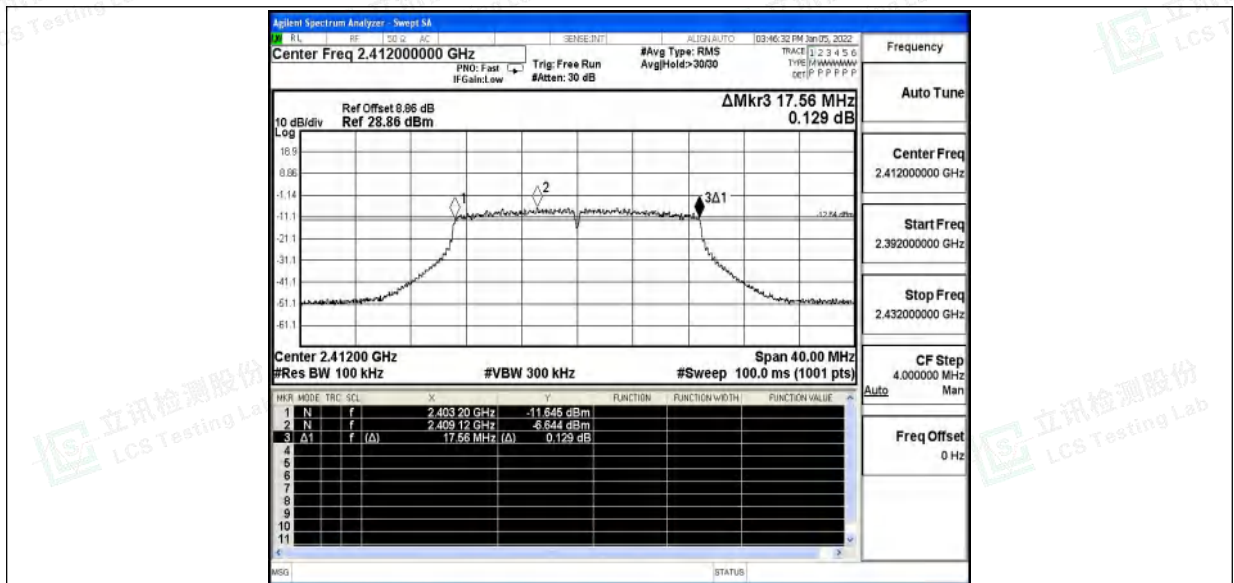


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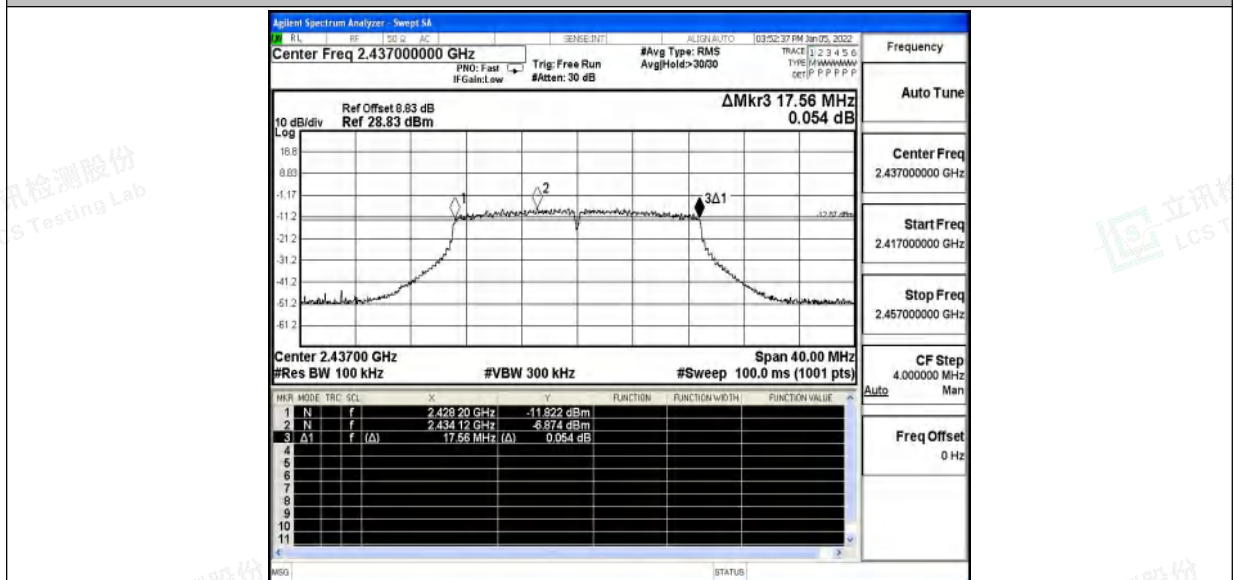
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

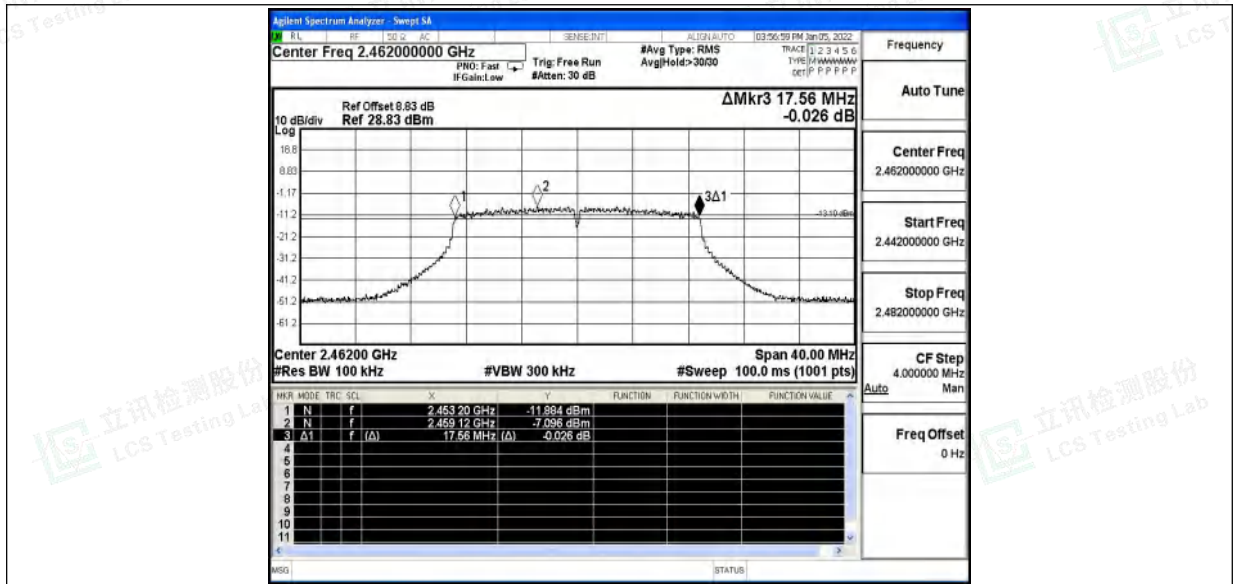


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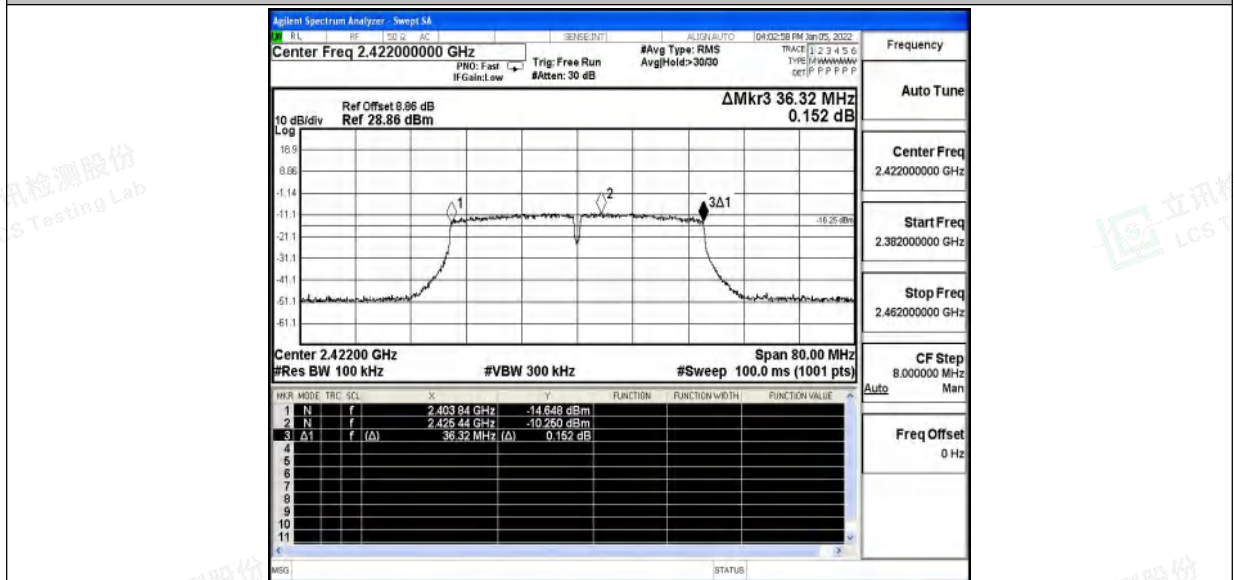
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11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



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C.2 Maximum Peak conducted output power

Test Result

Mode	Channel	Peak Power [dBm]			Limit [dBm]	Verdict
		Ant 0	Ant 1	Sum		
11B	2412	15.74	16.19	/	≤30	PASS
	2437	15.65	16.06	/	≤30	PASS
	2462	15.39	15.92	/	≤30	PASS
11G	2412	14.17	14.87	/	≤30	PASS
	2437	13.92	14.52	/	≤30	PASS
	2462	13.86	14.42	/	≤30	PASS
11N20	2412	14.17	14.84	17.53	≤30	PASS
	2437	13.87	14.61	17.27	≤30	PASS
	2462	13.88	14.51	17.22	≤30	PASS
11N40	2422	14.19	14.93	17.59	≤30	PASS
	2437	13.93	14.64	17.31	≤30	PASS
	2452	13.43	14.59	17.06	≤30	PASS



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C.3 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-18.19	≤8.00	PASS
		2437	-18.33	≤8.00	PASS
		2462	-18.46	≤8.00	PASS
11G	Ant0	2412	-21.9	≤8.00	PASS
		2437	-22.28	≤8.00	PASS
		2462	-22.33	≤8.00	PASS
11N20SISO	Ant0	2412	-22.29	≤8.00	PASS
		2437	-21.35	≤8.00	PASS
		2462	-22.42	≤8.00	PASS
11N40SISO	Ant0	2422	-22.27	≤8.00	PASS
		2437	-23.06	≤8.00	PASS
		2452	-22.21	≤8.00	PASS

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.69	≤8.00	PASS
		2437	-17.86	≤8.00	PASS
		2462	-18.07	≤8.00	PASS
11G	Ant1	2412	-21.42	≤8.00	PASS
		2437	-21.74	≤8.00	PASS
		2462	-21.7	≤8.00	PASS
11N20SISO	Ant1	2412	-20.35	≤8.00	PASS
		2437	-20.71	≤8.00	PASS
		2462	-20.74	≤8.00	PASS
11N40SISO	Ant1	2422	-22.58	≤8.00	PASS
		2437	-23.15	≤8.00	PASS
		2452	-22.71	≤8.00	PASS

MIMO

Mode	Channel	MIMO PSD [dBm/3KHz]			Limit [dBm/3KHz]	Verdict
		Ant 0	Ant 1	Sum		
11N20	2412	-22.29	-20.35	-18.20	8	PASS
	2437	-21.35	-20.71	-18.01	8	PASS



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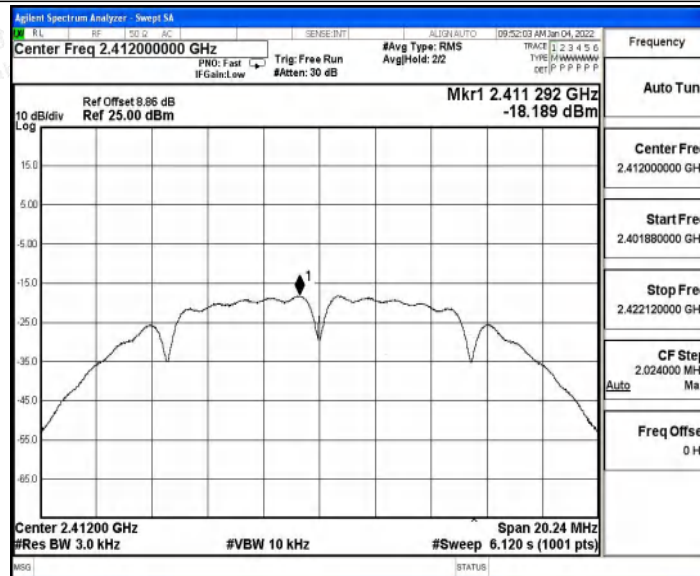
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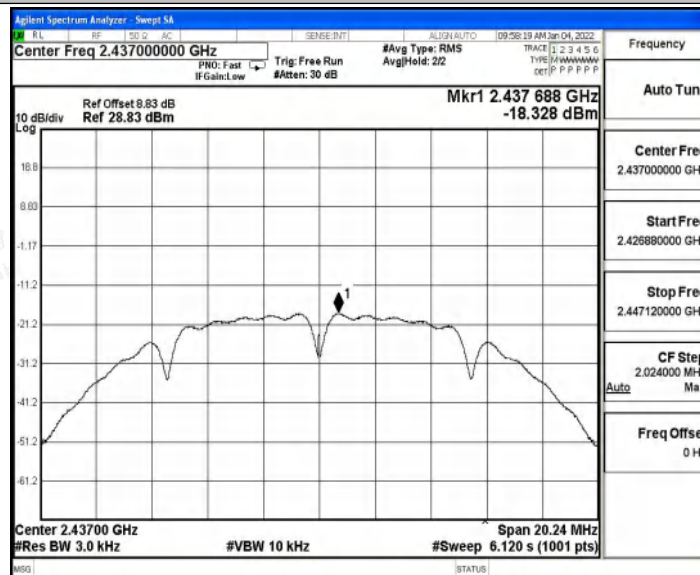
	2462	-22.42	-20.74	-18.49	8	PASS
11N40	2422	-22.27	-22.58	-19.41	8	PASS
	2437	-23.06	-23.15	-20.09	8	PASS
	2452	-22.21	-22.71	-19.44	8	PASS

Test Graphs

11B_Ant0_2412



11B_Ant0_2437



11B_Ant0_2462

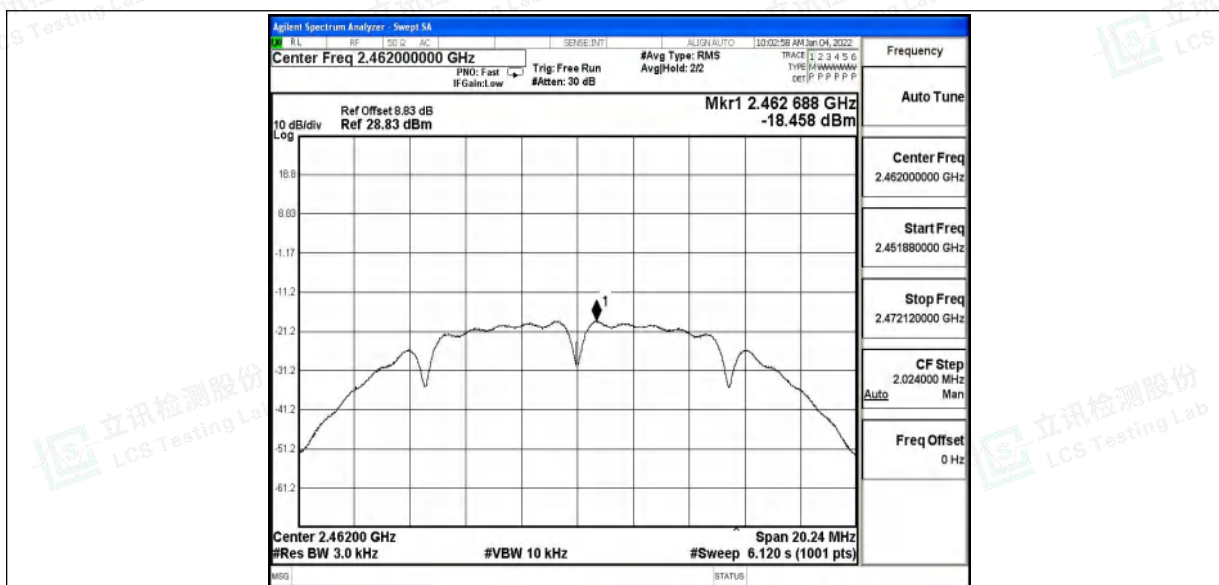


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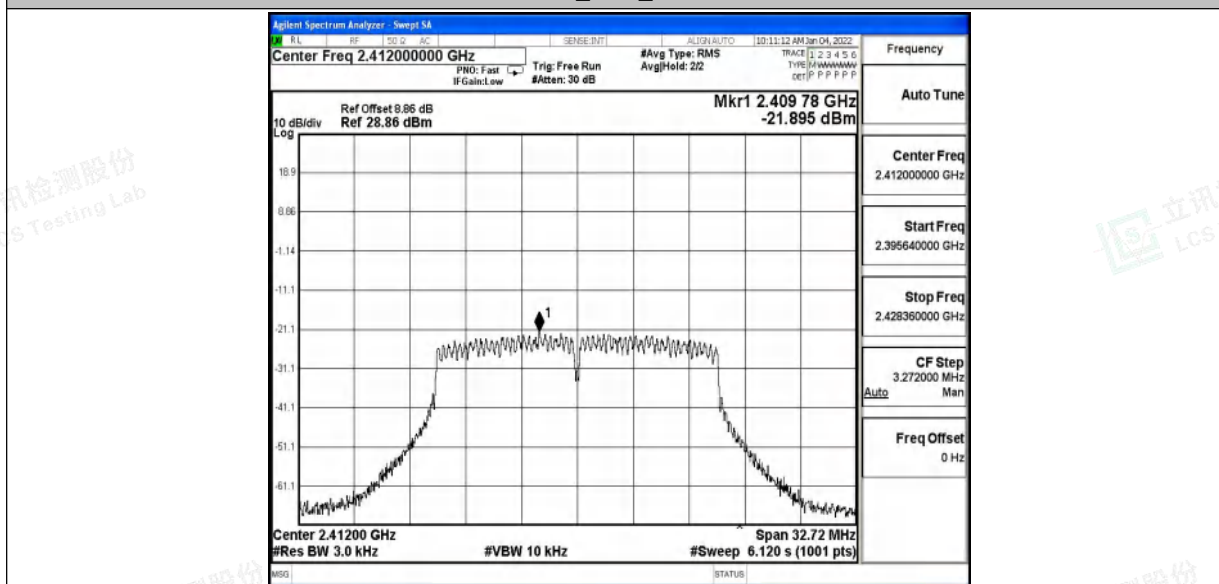
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11G_Ant0_2412



11G_Ant0_2437

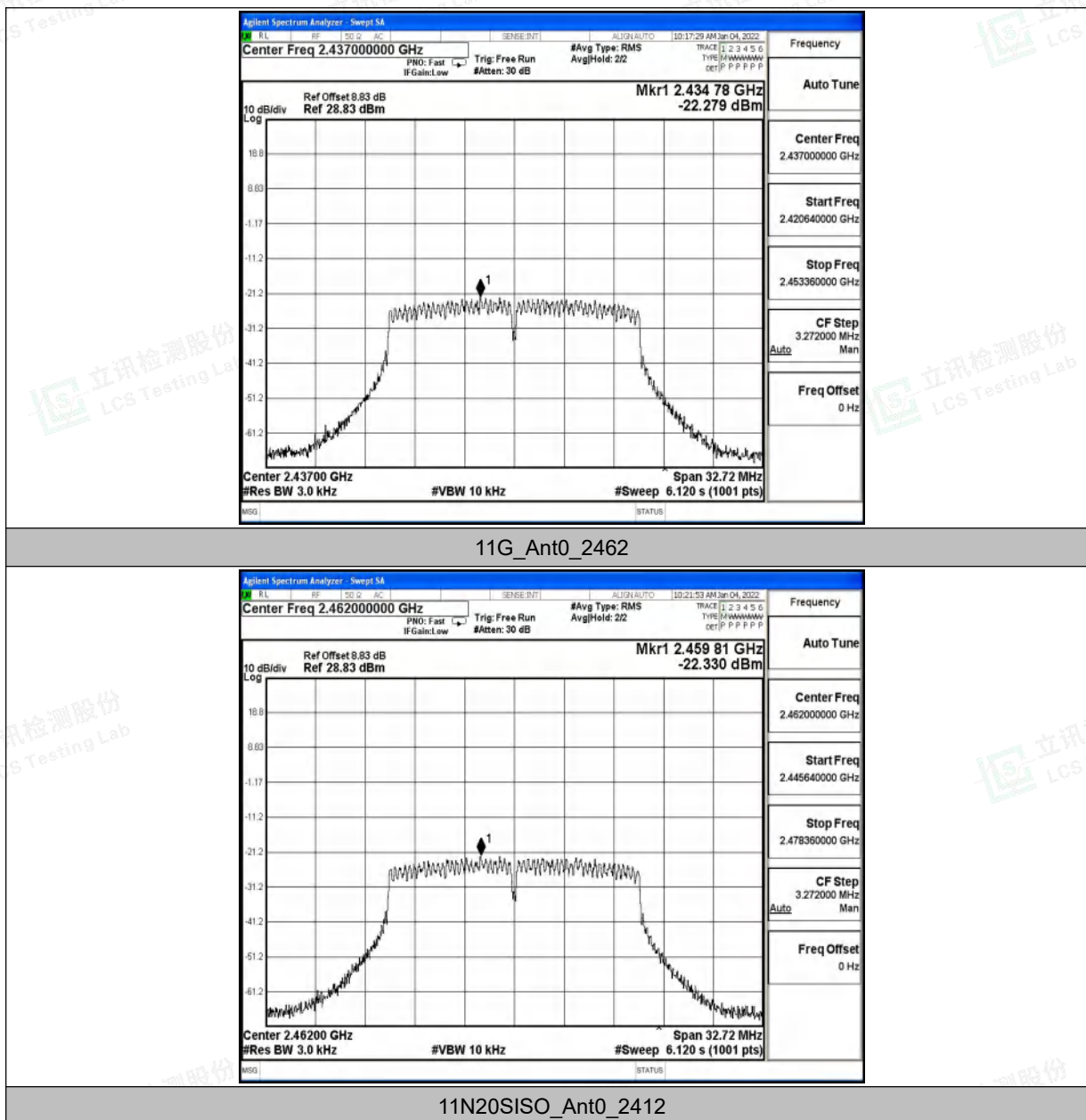


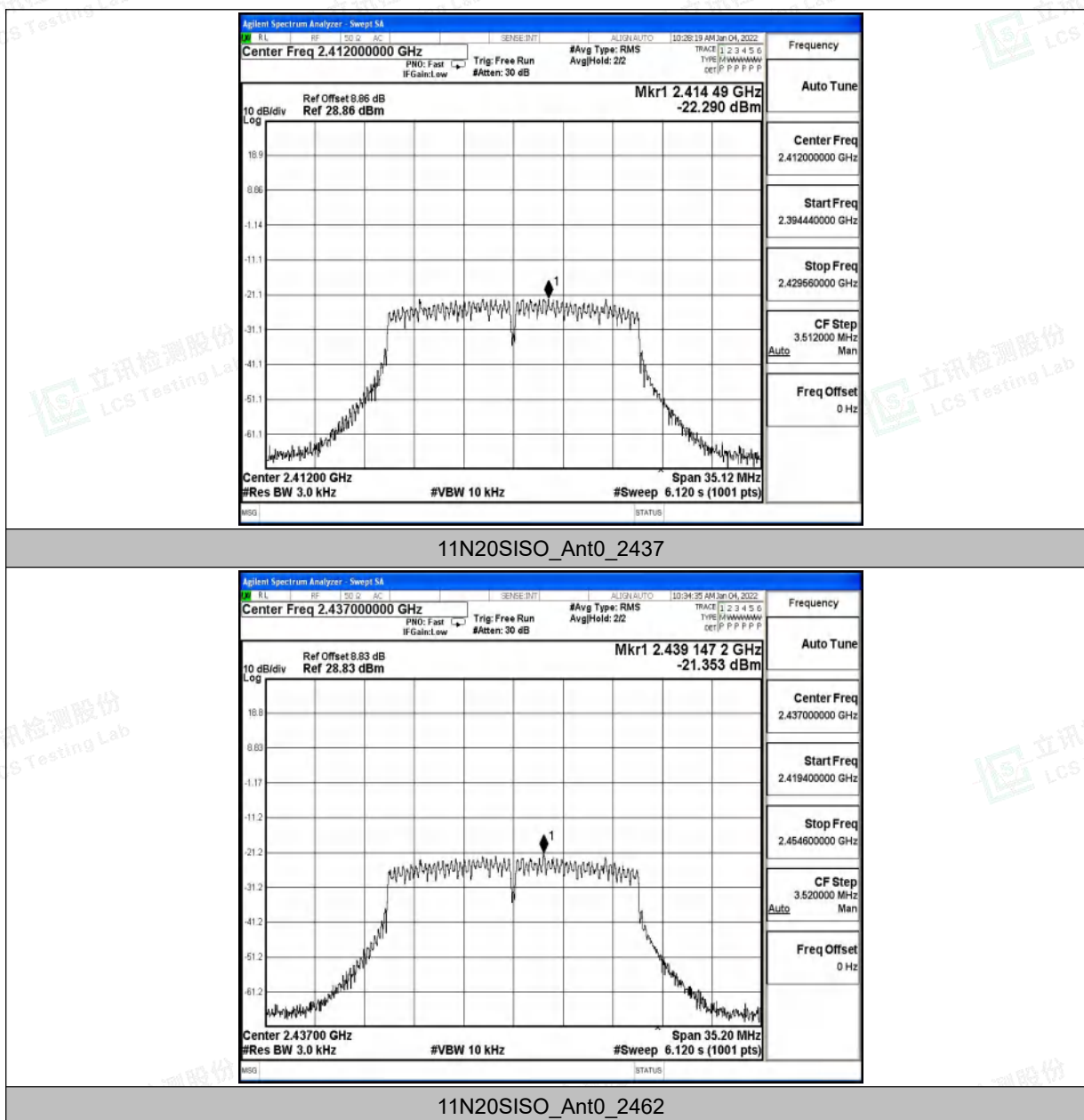
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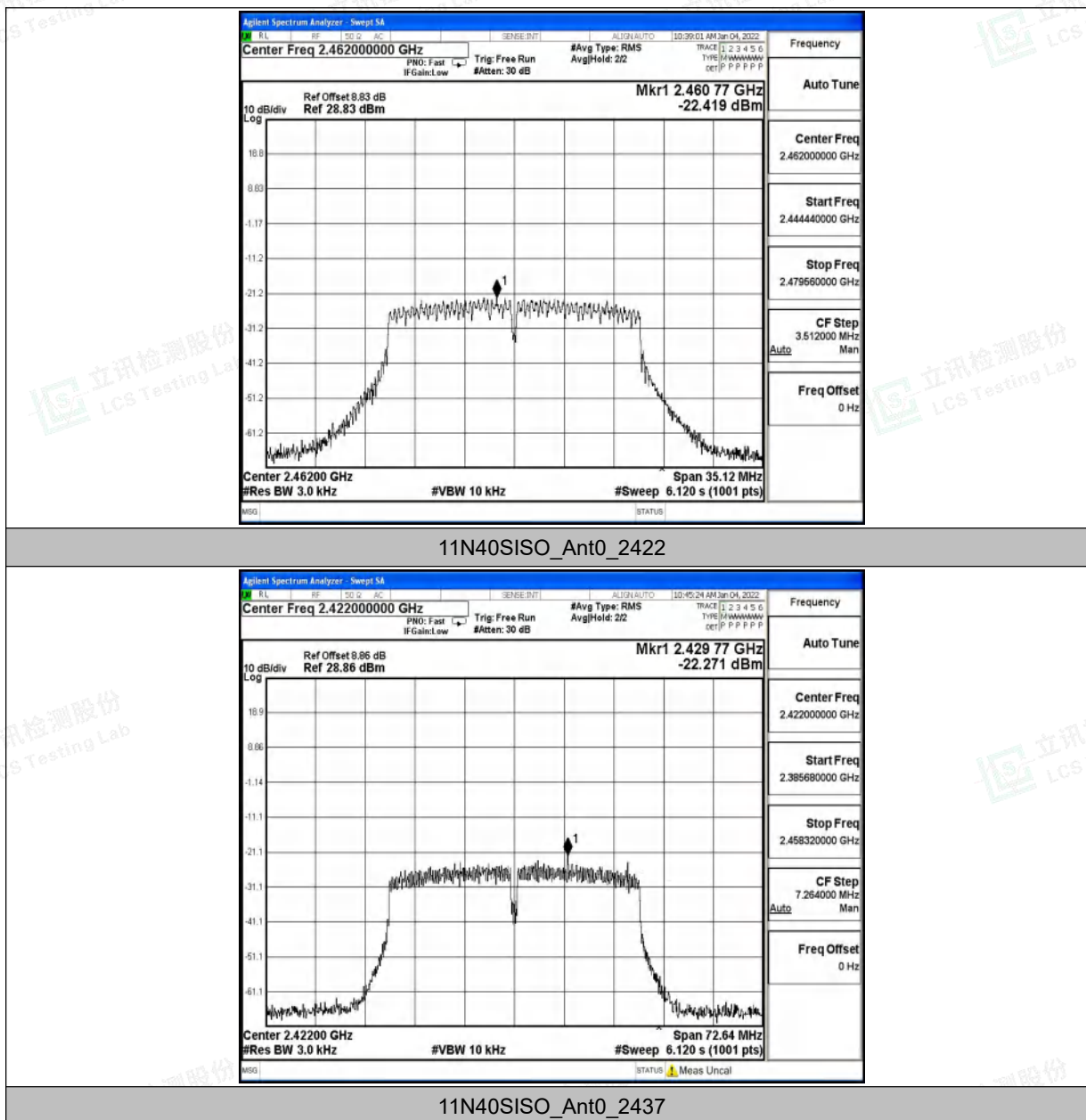
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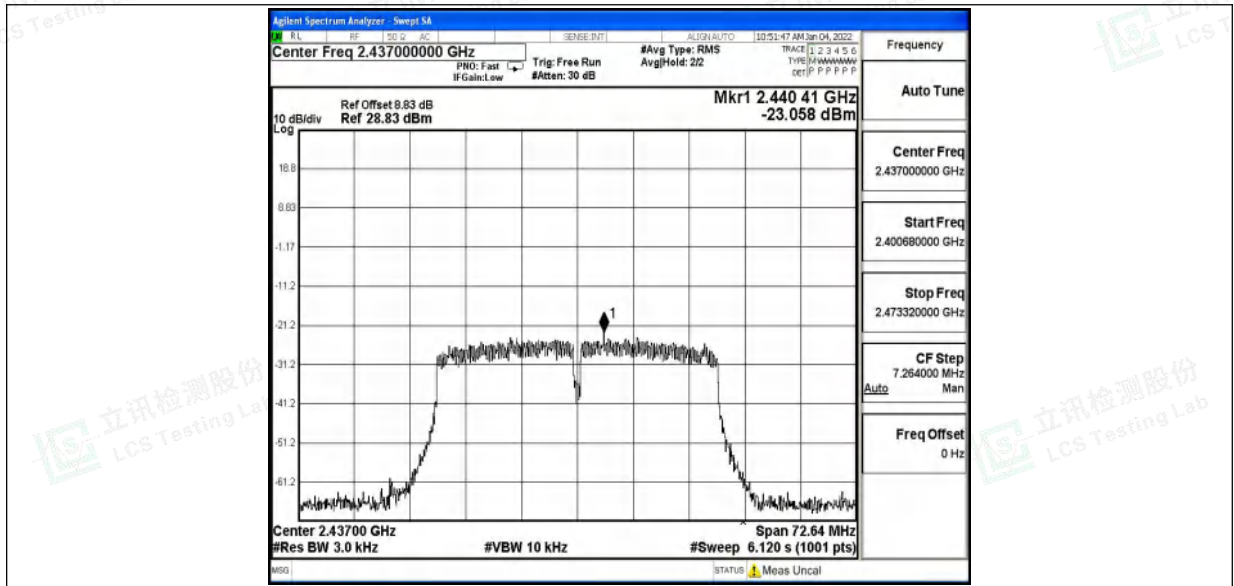


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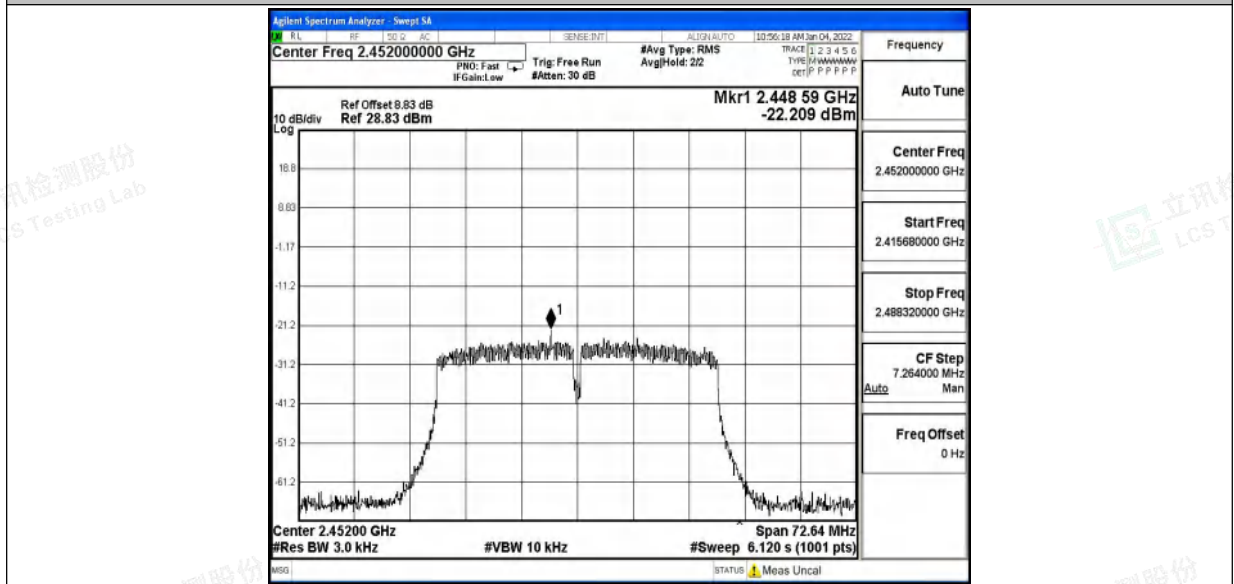
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11N40SISO_Ant0_2452



Test Graphs

11B_Ant1_2412

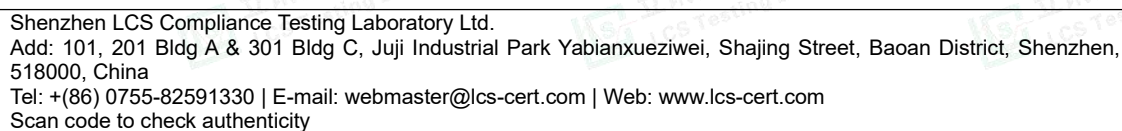
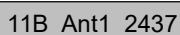


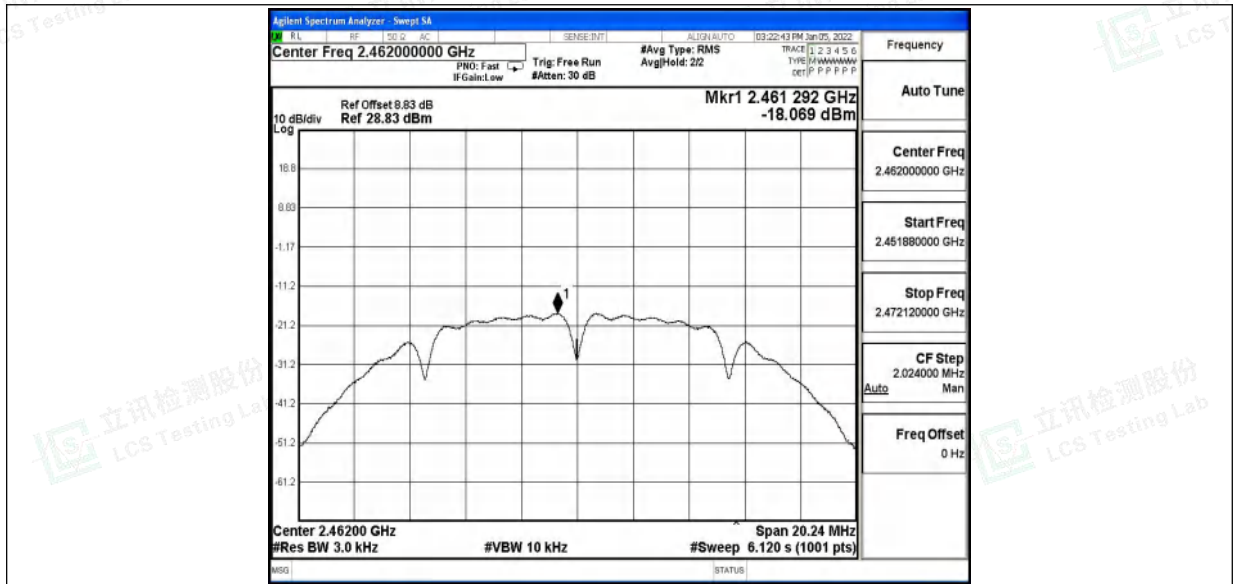
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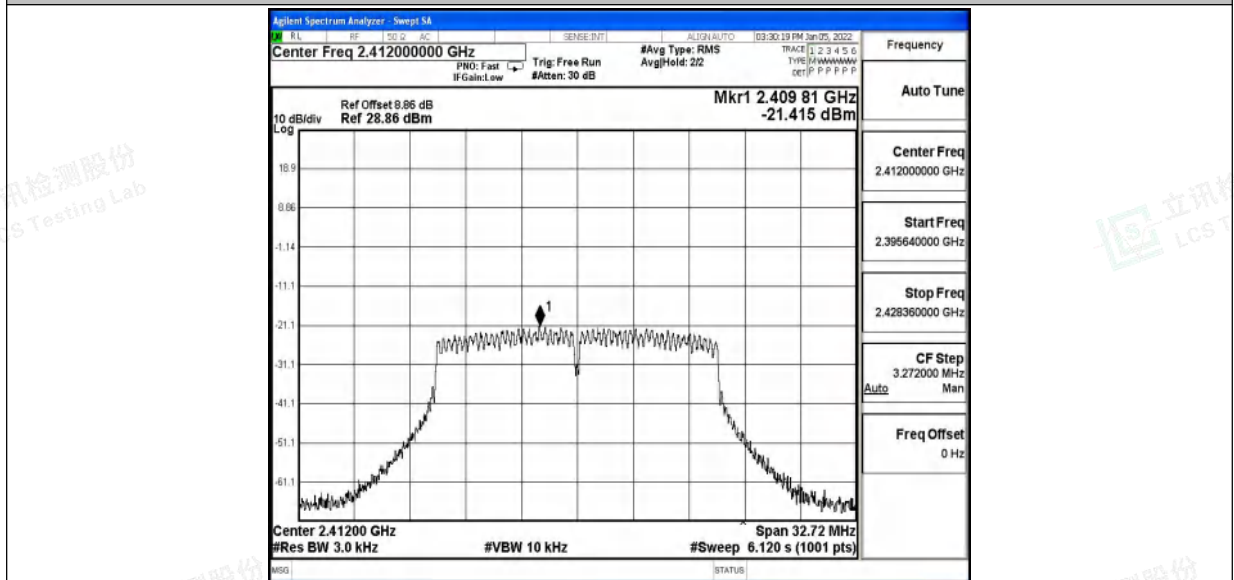
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11G_Ant1_2412



11G_Ant1_2437

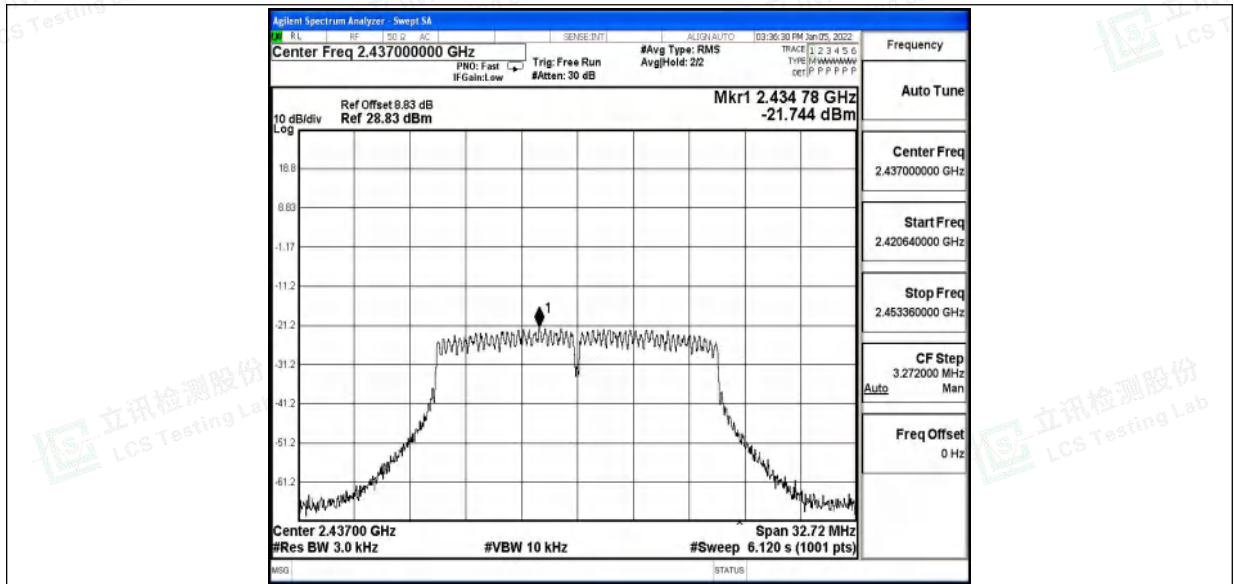


Shenzhen LCS Compliance Testing Laboratory Ltd.

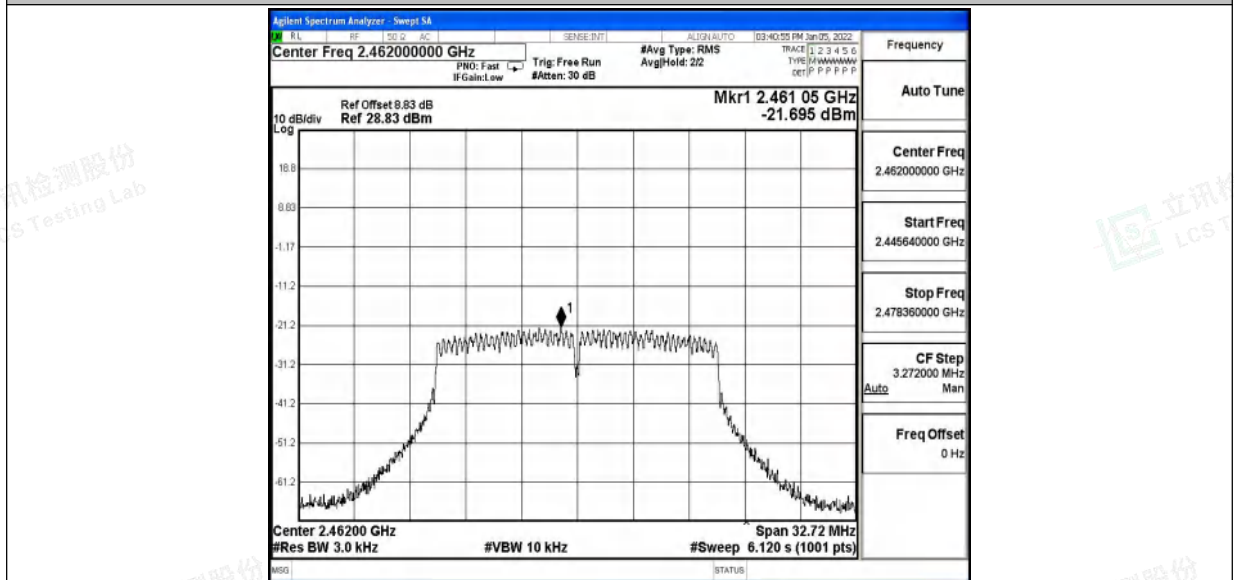
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11G_Ant1_2462



11N20SISO_Ant1_2412

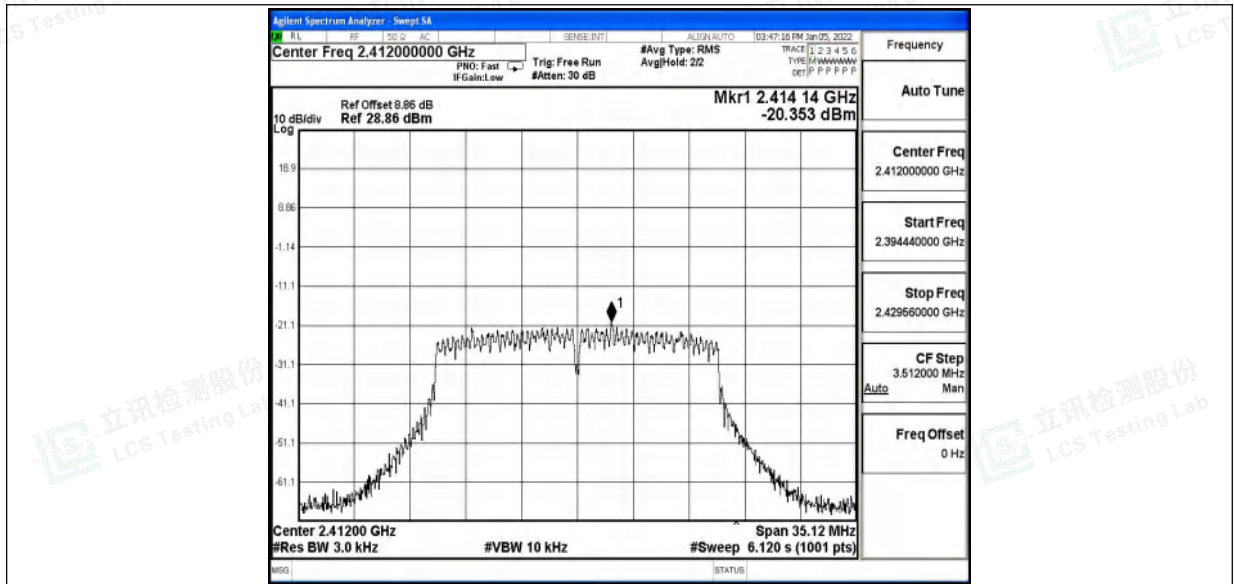


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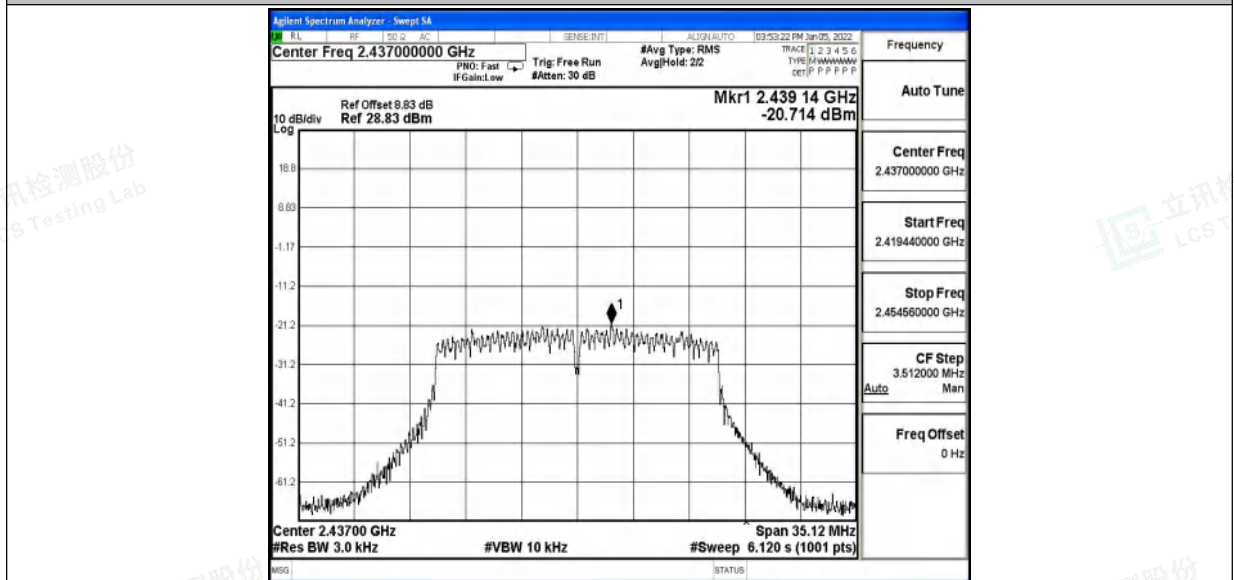
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

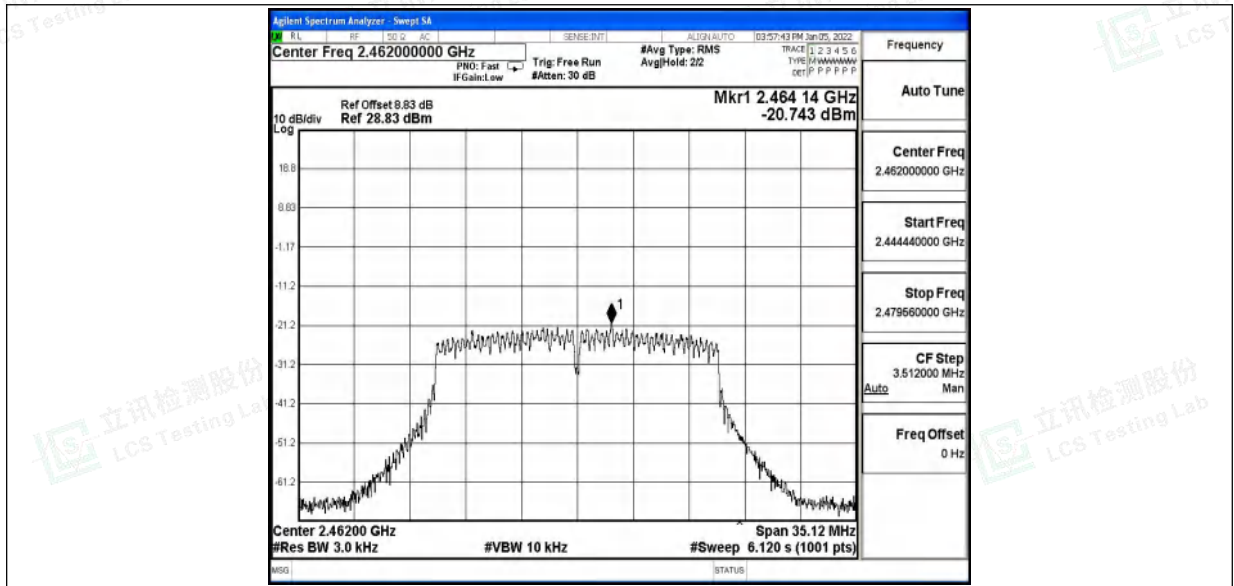


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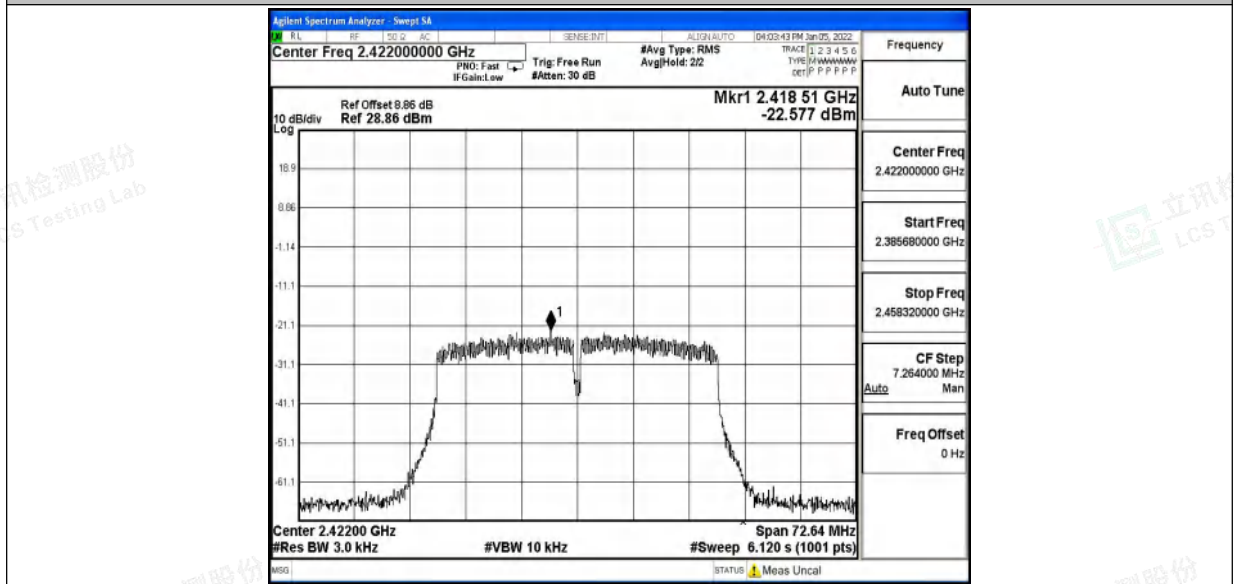
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11N40SISO_Ant1_2422



11N40SISO_Ant1_2437

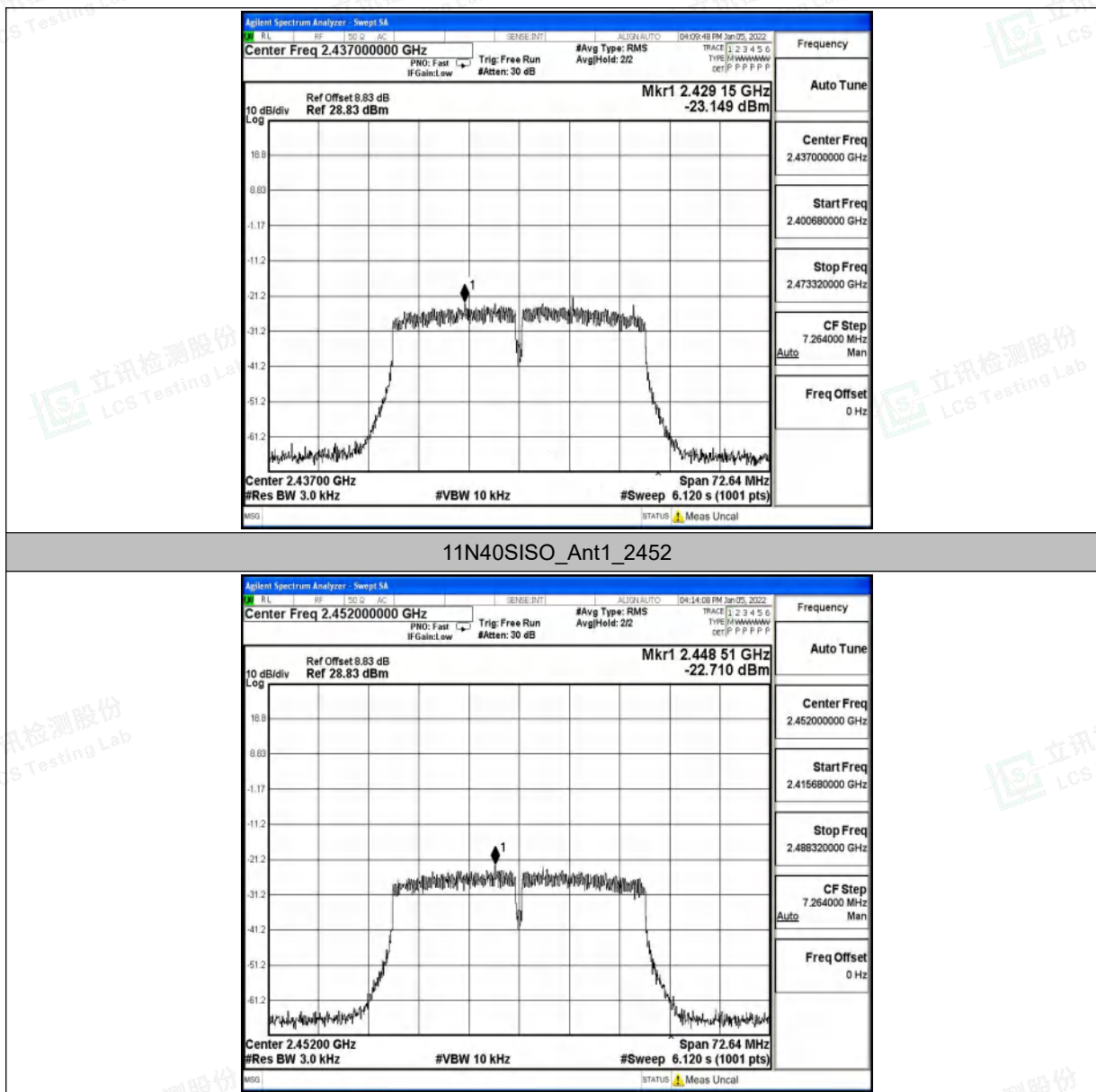


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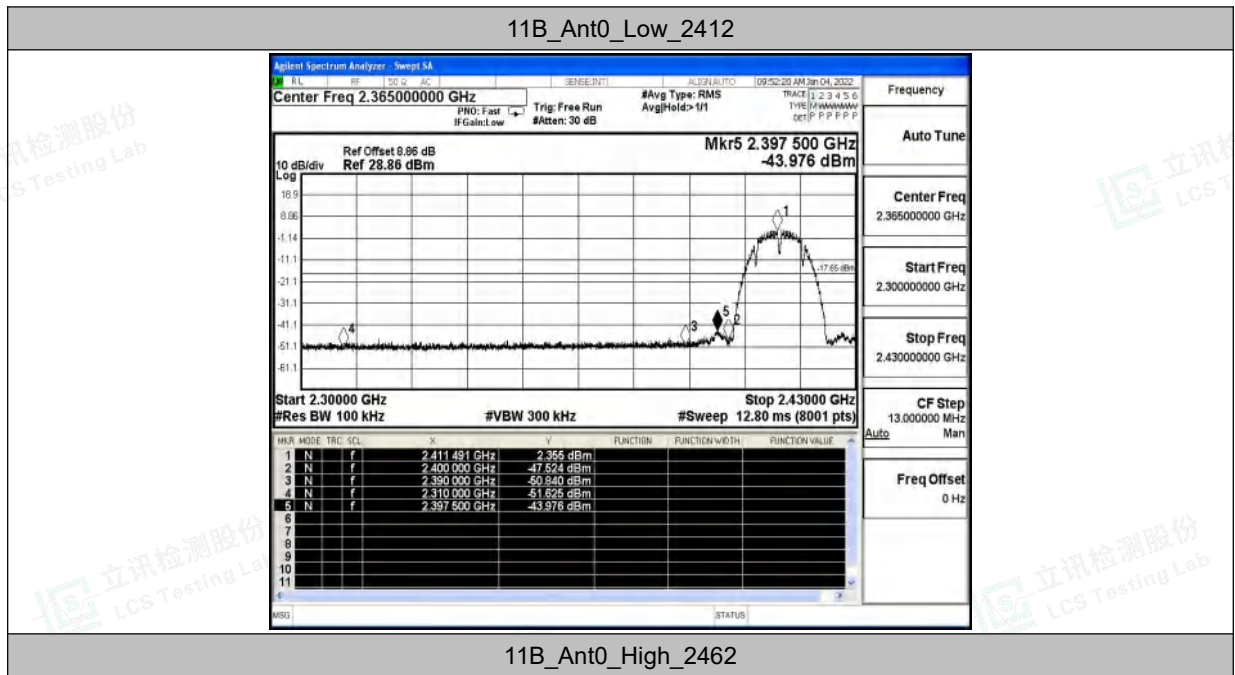


C.4 Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	2.35	-43.98	≤-17.65	PASS
		High	2462	1.86	-47.58	≤-18.14	PASS
11G	Ant0	Low	2412	-7.47	-43.72	≤-27.47	PASS
		High	2462	-7.85	-46.65	≤-27.85	PASS
11N20SISO	Ant0	Low	2412	-7.30	-41.96	≤-27.3	PASS
		High	2462	-7.78	-47.27	≤-27.78	PASS
11N40SISO	Ant0	Low	2422	-10.83	-45.31	≤-30.83	PASS
		High	2452	-11.61	-47.26	≤-31.61	PASS

Test Graphs

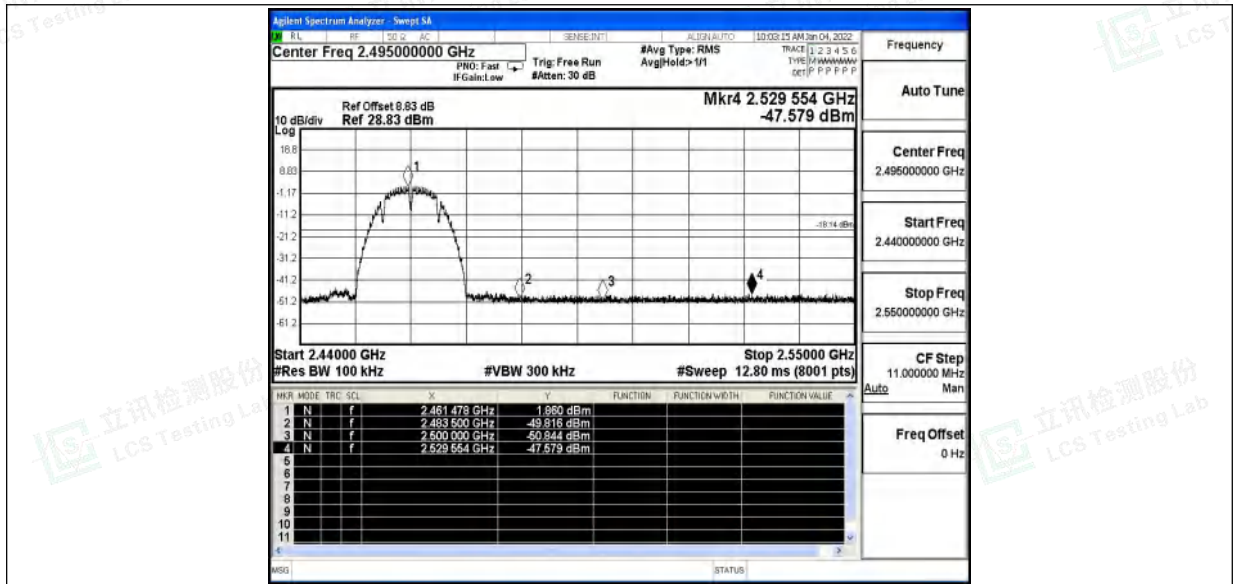


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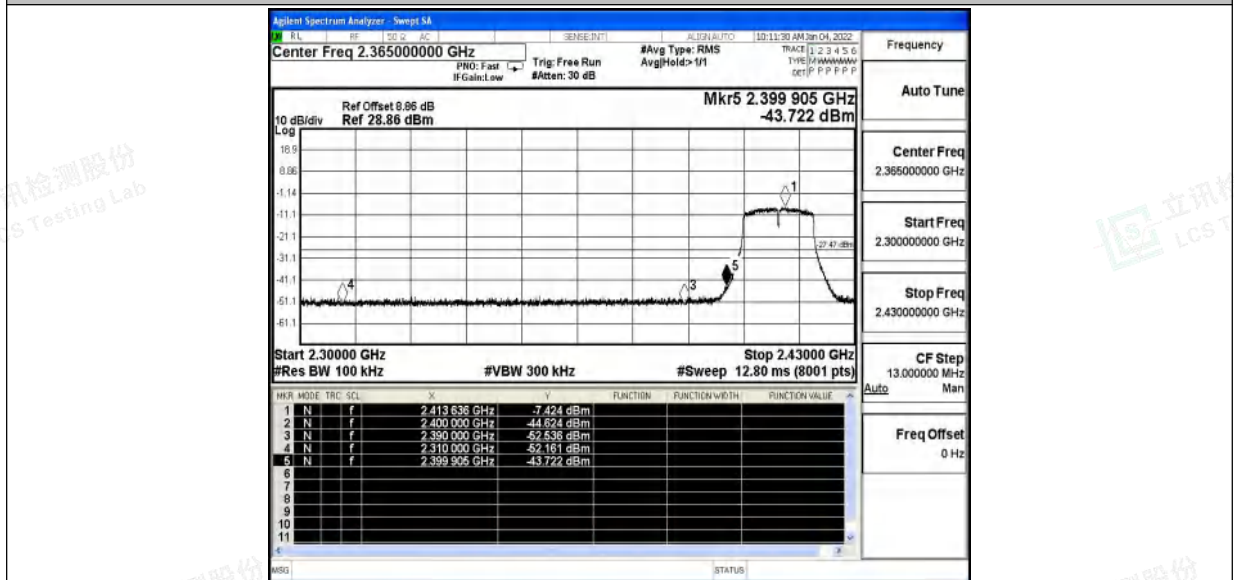
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11G_Ant0_Low_2412



11G_Ant0_High_2462

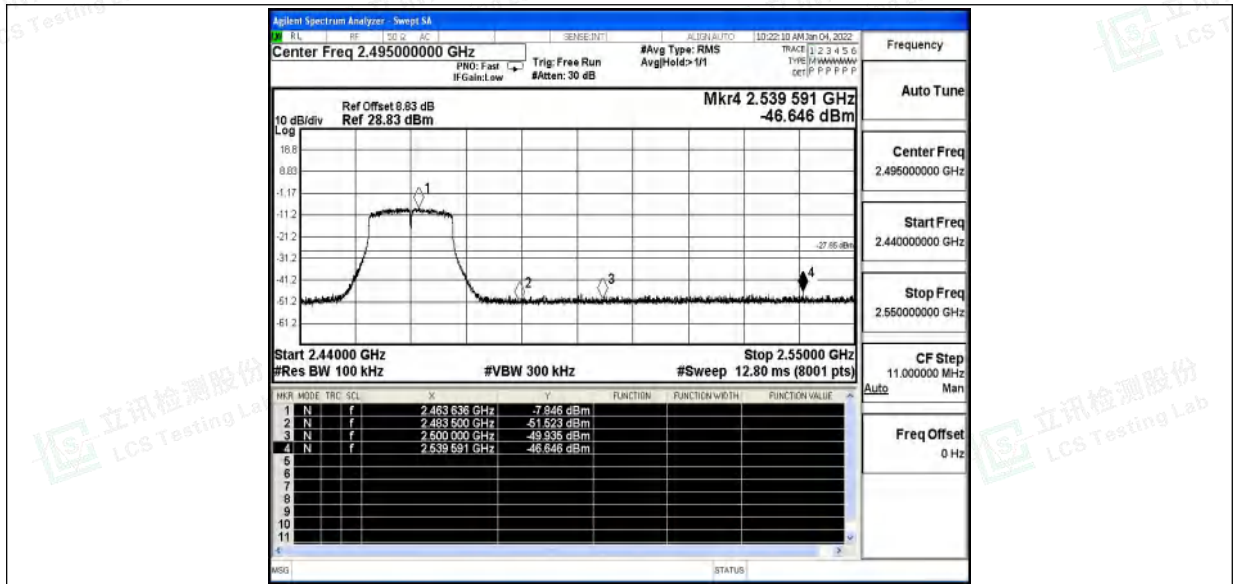


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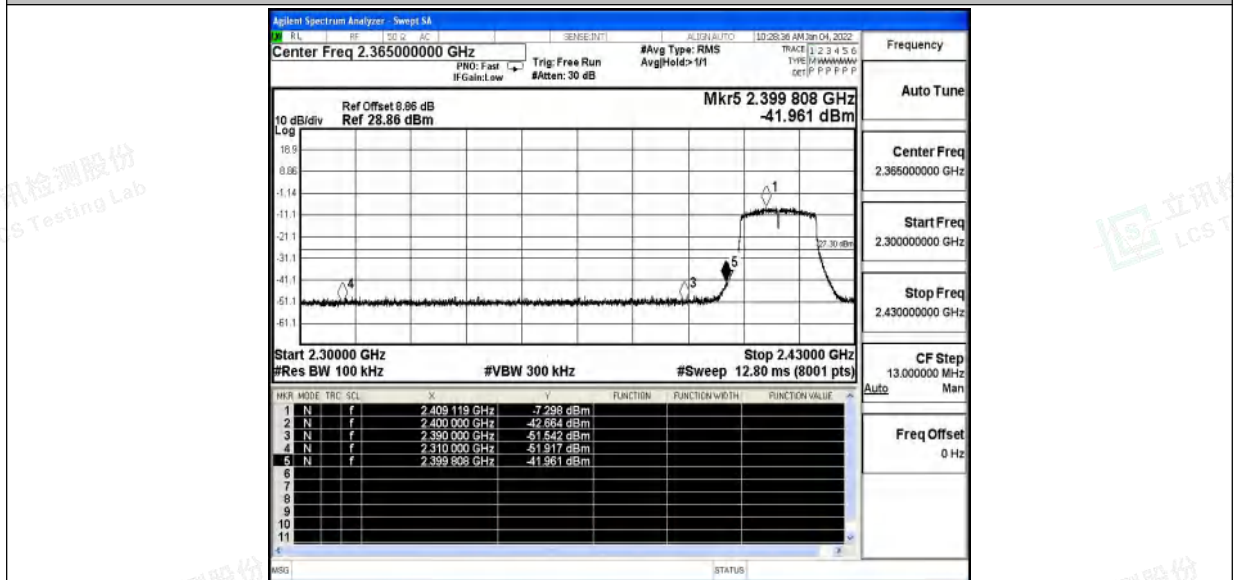
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11N20SISO_Ant0_Low_2412



11N20SISO_Ant0_High_2462

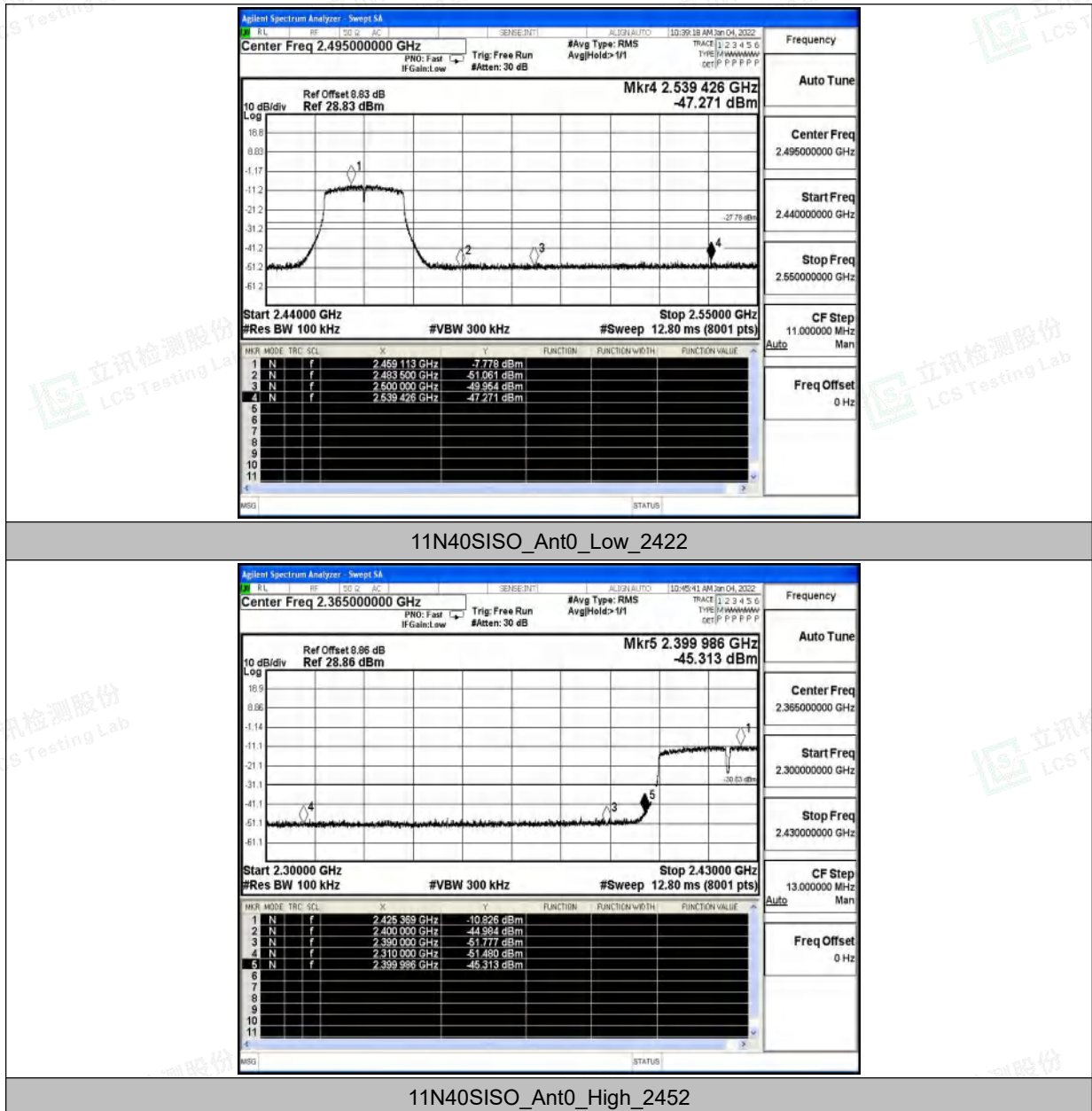


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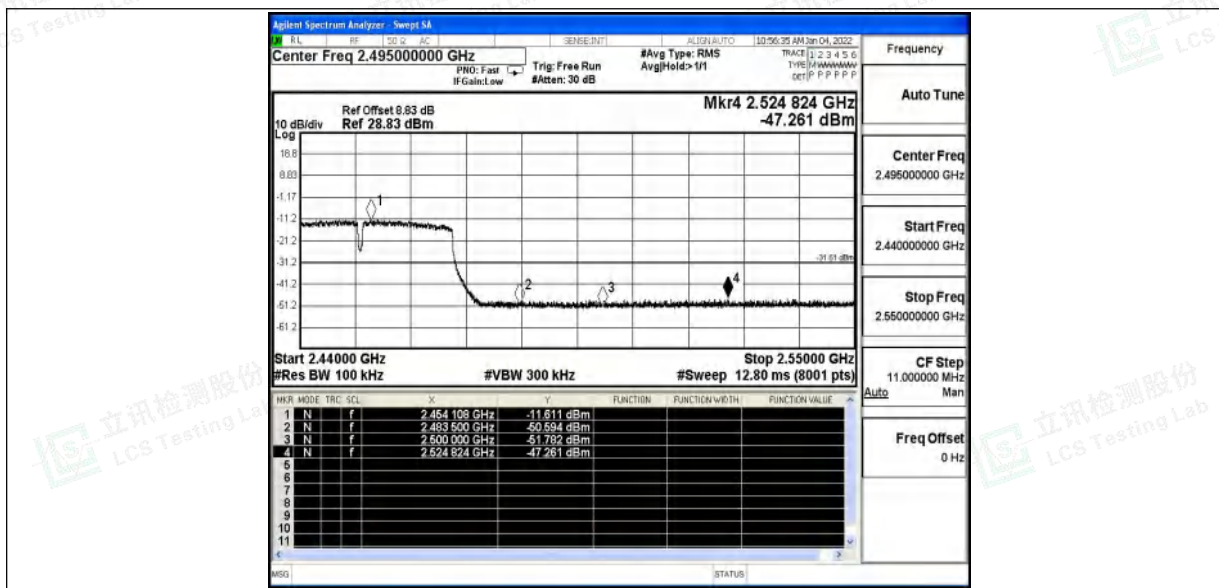


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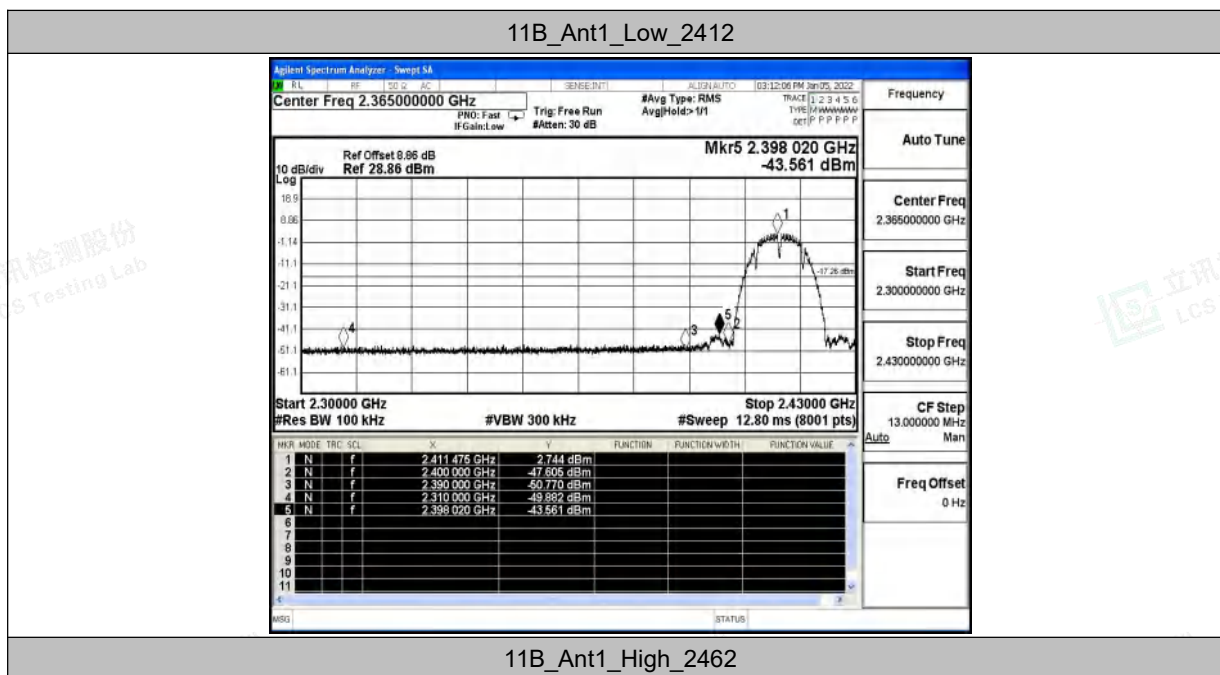
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TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.74	-43.56	≤-17.26	PASS
		High	2462	2.36	-46.24	≤-17.64	PASS
11G	Ant1	Low	2412	-6.80	-43.77	≤-26.8	PASS
		High	2462	-7.31	-47.8	≤-27.31	PASS
11N20SISO	Ant1	Low	2412	-6.79	-41.24	≤-26.79	PASS
		High	2462	-6.85	-47.67	≤-26.85	PASS
11N40SISO	Ant1	Low	2422	-10.09	-43.91	≤-30.09	PASS
		High	2452	-10.33	-47.42	≤-30.33	PASS

Test Graphs



11B_Ant1_High_2462

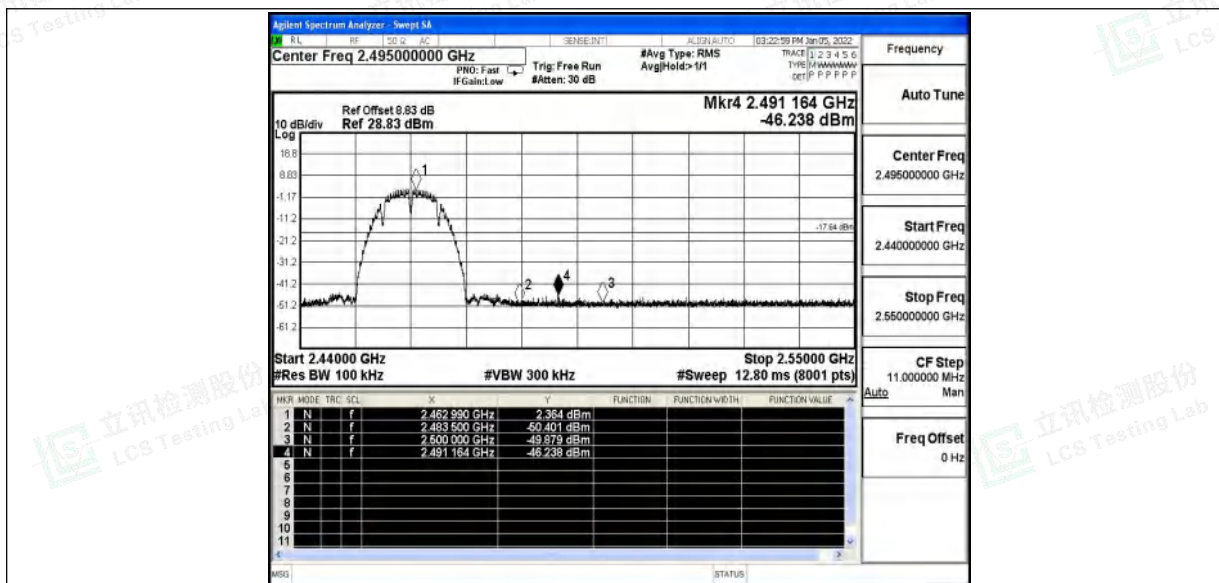


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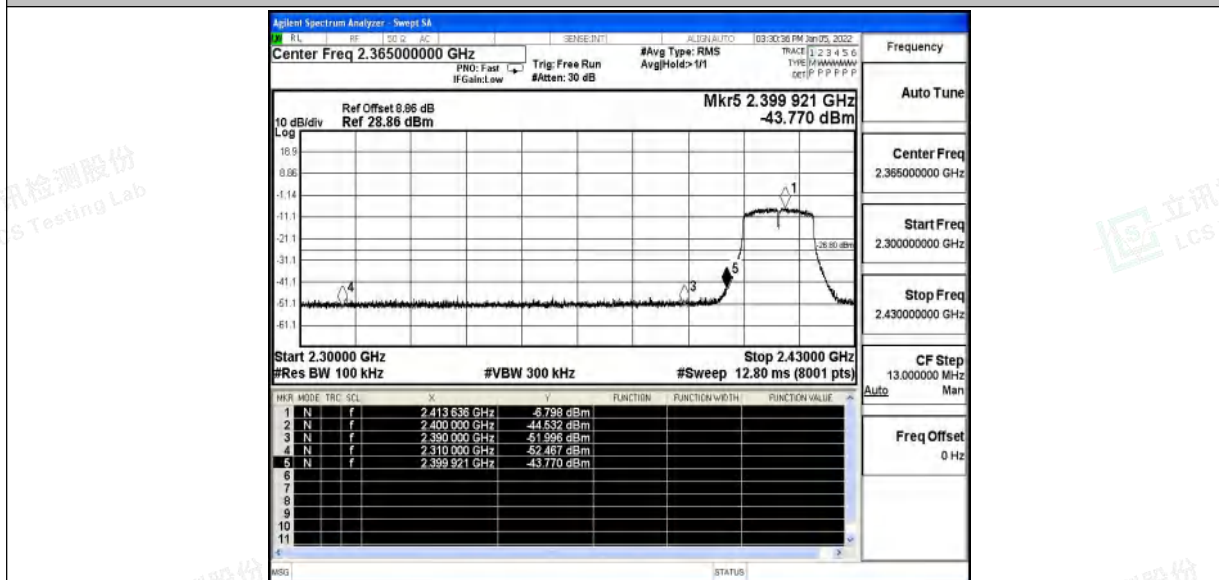
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11G_Ant1_Low_2412



11G_Ant1_High_2462

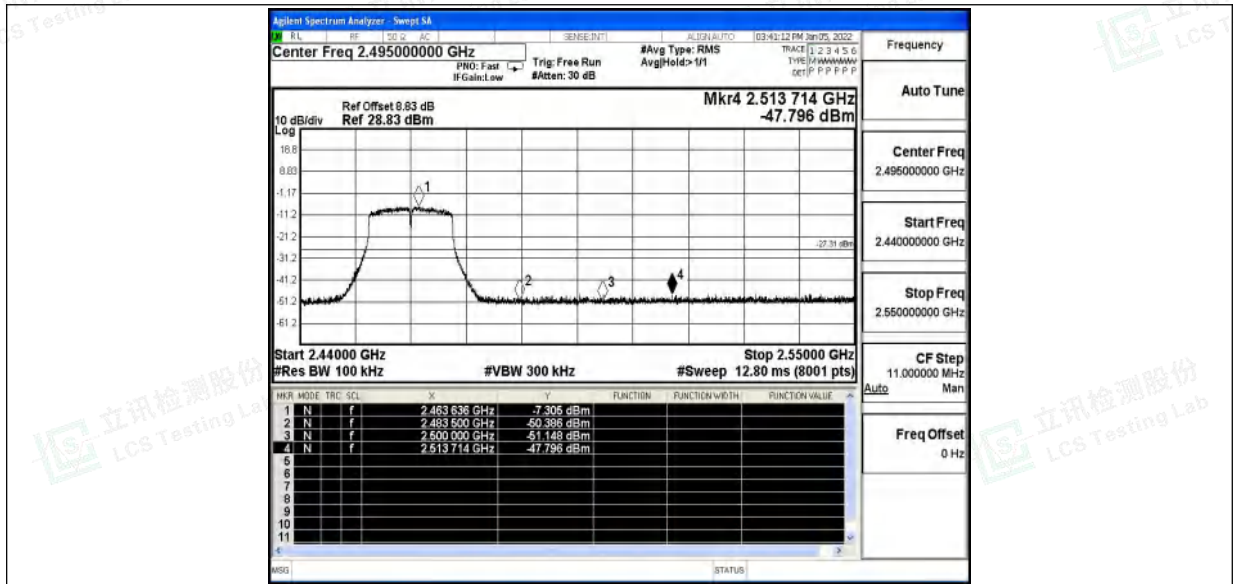


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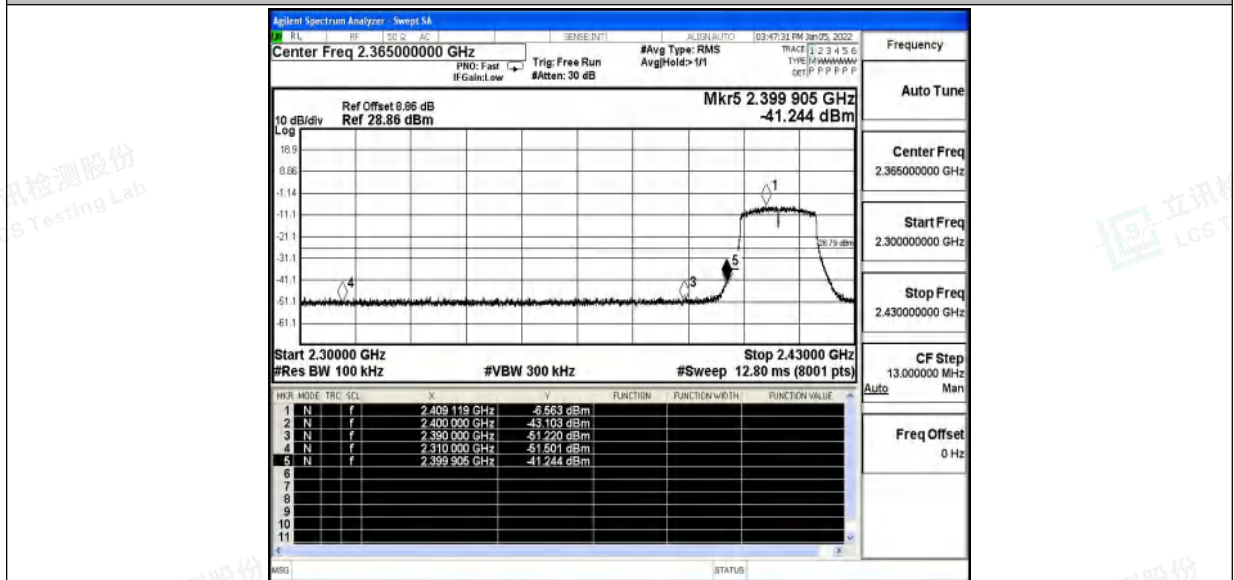
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11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462

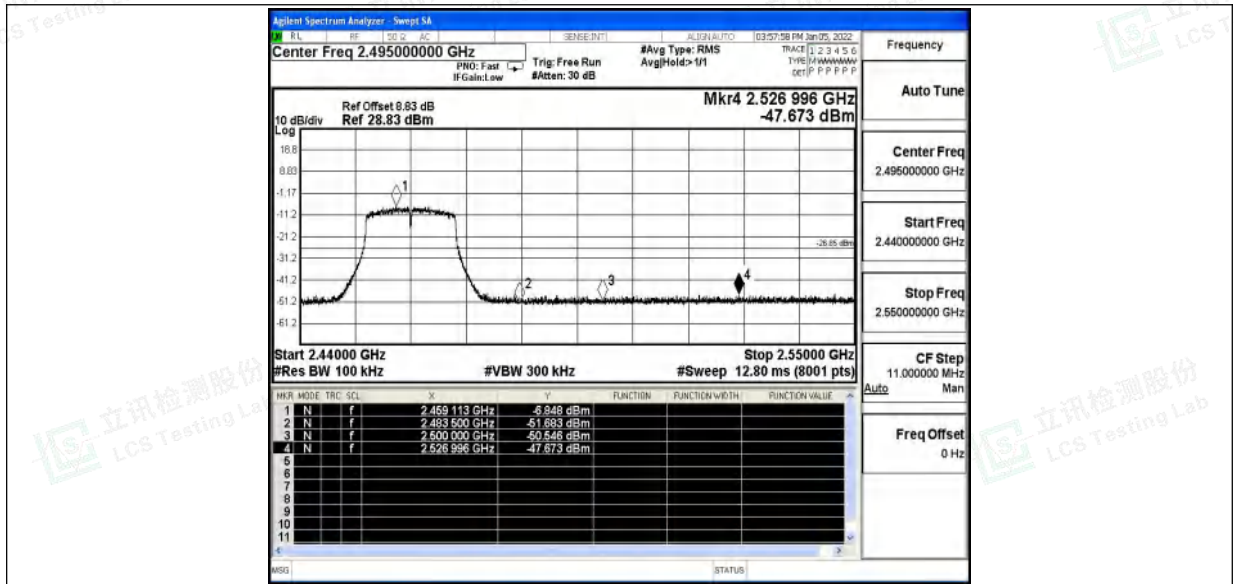


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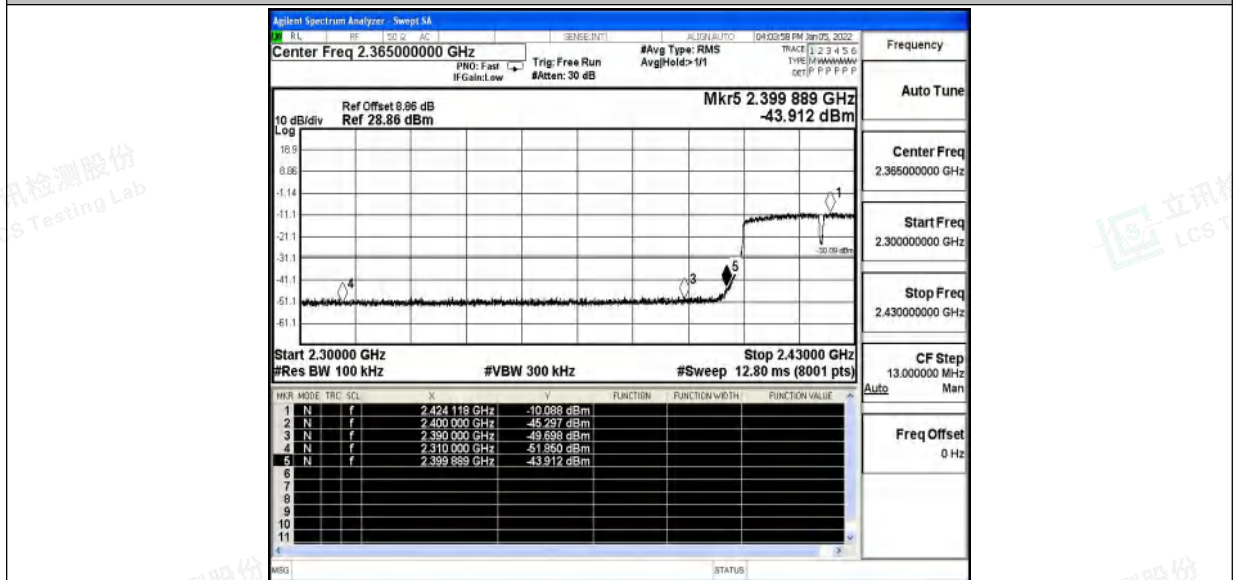
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11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

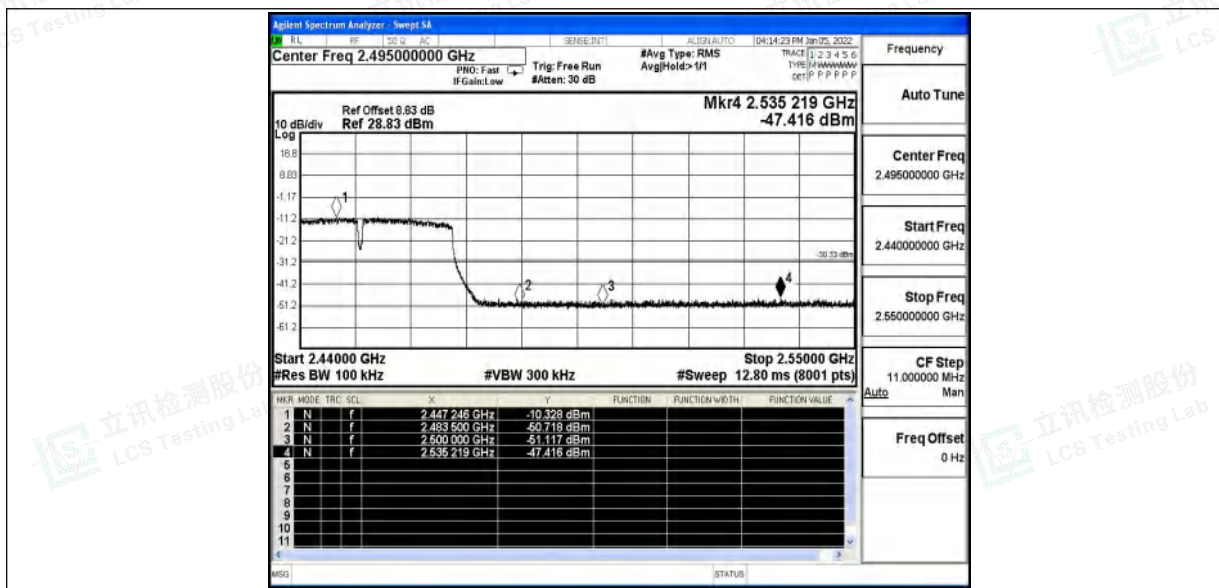


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C.5 Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	2.33	2.33	---	PASS
			30~1000	2.33	-59.64	≤ -17.67	PASS
			1000~26500	2.33	-45.72	≤ -17.67	PASS
		2437	Reference	2.22	2.22	---	PASS
			30~1000	2.22	-59.98	≤ -17.78	PASS
			1000~26500	2.22	-45.76	≤ -17.78	PASS
		2462	Reference	1.97	1.97	---	PASS
			30~1000	1.97	-60.71	≤ -18.03	PASS
			1000~26500	1.97	-45.3	≤ -18.03	PASS
11G	Ant0	2412	Reference	-7.46	-7.46	---	PASS
			30~1000	-7.46	-59.99	≤ -27.46	PASS
			1000~26500	-7.46	-45.79	≤ -27.46	PASS
		2437	Reference	-7.64	-7.64	---	PASS
			30~1000	-7.64	-60.55	≤ -27.64	PASS
			1000~26500	-7.64	-45.54	≤ -27.64	PASS
		2462	Reference	-7.76	-7.76	---	PASS
			30~1000	-7.76	-60.01	≤ -27.76	PASS
			1000~26500	-7.76	-45.73	≤ -27.76	PASS
11N20SISO	Ant0	2412	Reference	-7.29	-7.29	---	PASS
			30~1000	-7.29	-59.78	≤ -27.29	PASS
			1000~26500	-7.29	-45.94	≤ -27.29	PASS
		2437	Reference	-7.74	-7.74	---	PASS
			30~1000	-7.74	-60.31	≤ -27.74	PASS
			1000~26500	-7.74	-45.98	≤ -27.74	PASS
		2462	Reference	-7.70	-7.70	---	PASS
			30~1000	-7.70	-52.7	≤ -27.7	PASS
			1000~26500	-7.70	-45.9	≤ -27.7	PASS
11N40SISO	Ant0	2422	Reference	-10.89	-10.89	---	PASS
			30~1000	-10.89	-60.72	≤ -30.89	PASS
			1000~26500	-10.89	-45.81	≤ -30.89	PASS
		2437	Reference	-10.96	-10.96	---	PASS
			30~1000	-10.96	-60.54	≤ -30.96	PASS
			1000~26500	-10.96	-45.84	≤ -30.96	PASS



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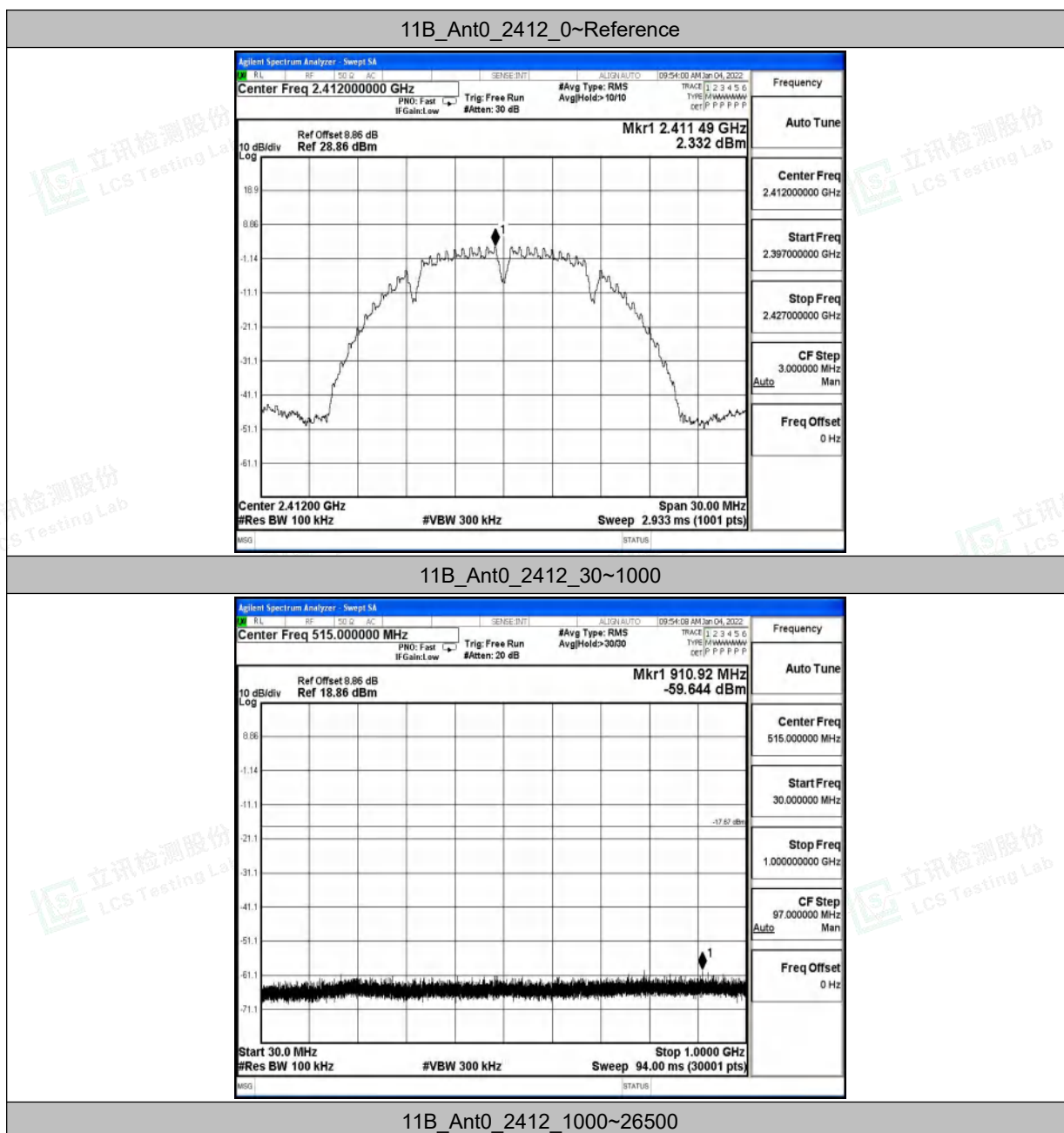
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	2452	Reference	-11.55	-11.55	---	PASS
		30~1000	-11.55	-54.5	≤-31.55	PASS
		1000~26500	-11.55	-45.86	≤-31.55	PASS

Test Graphs

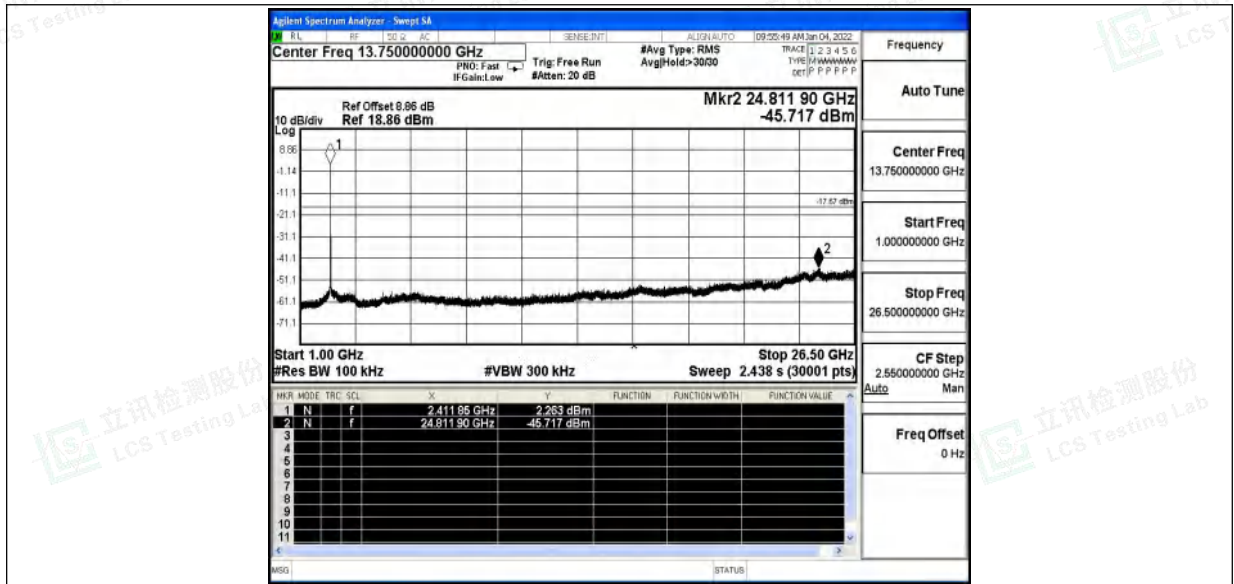


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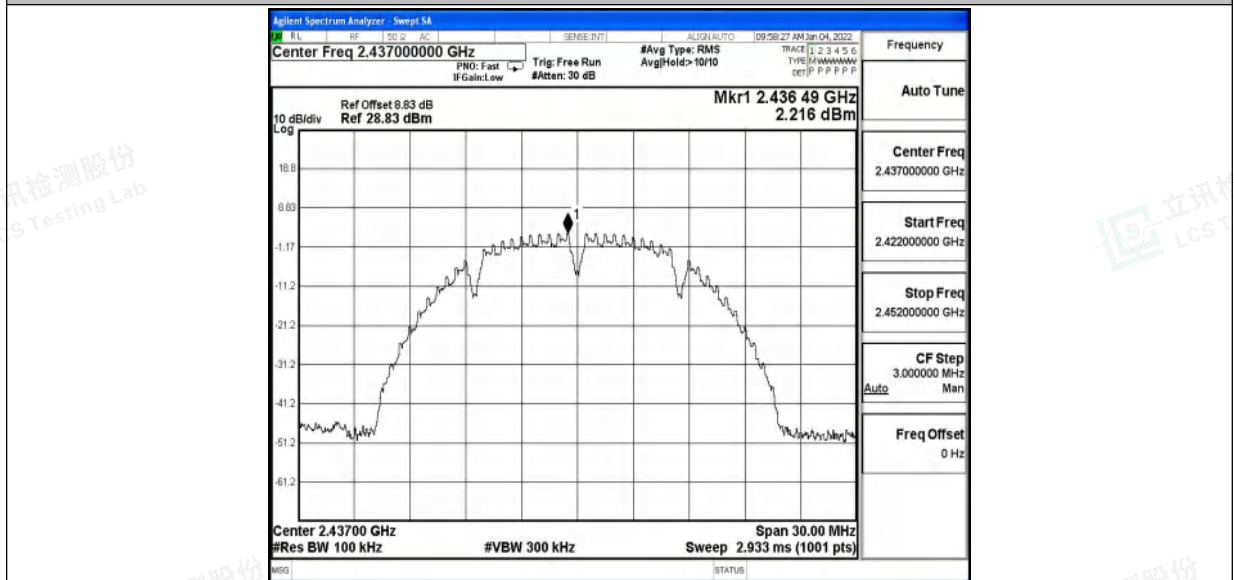
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11B_Ant0_2437_0~Reference



11B_Ant0_2437_30~1000

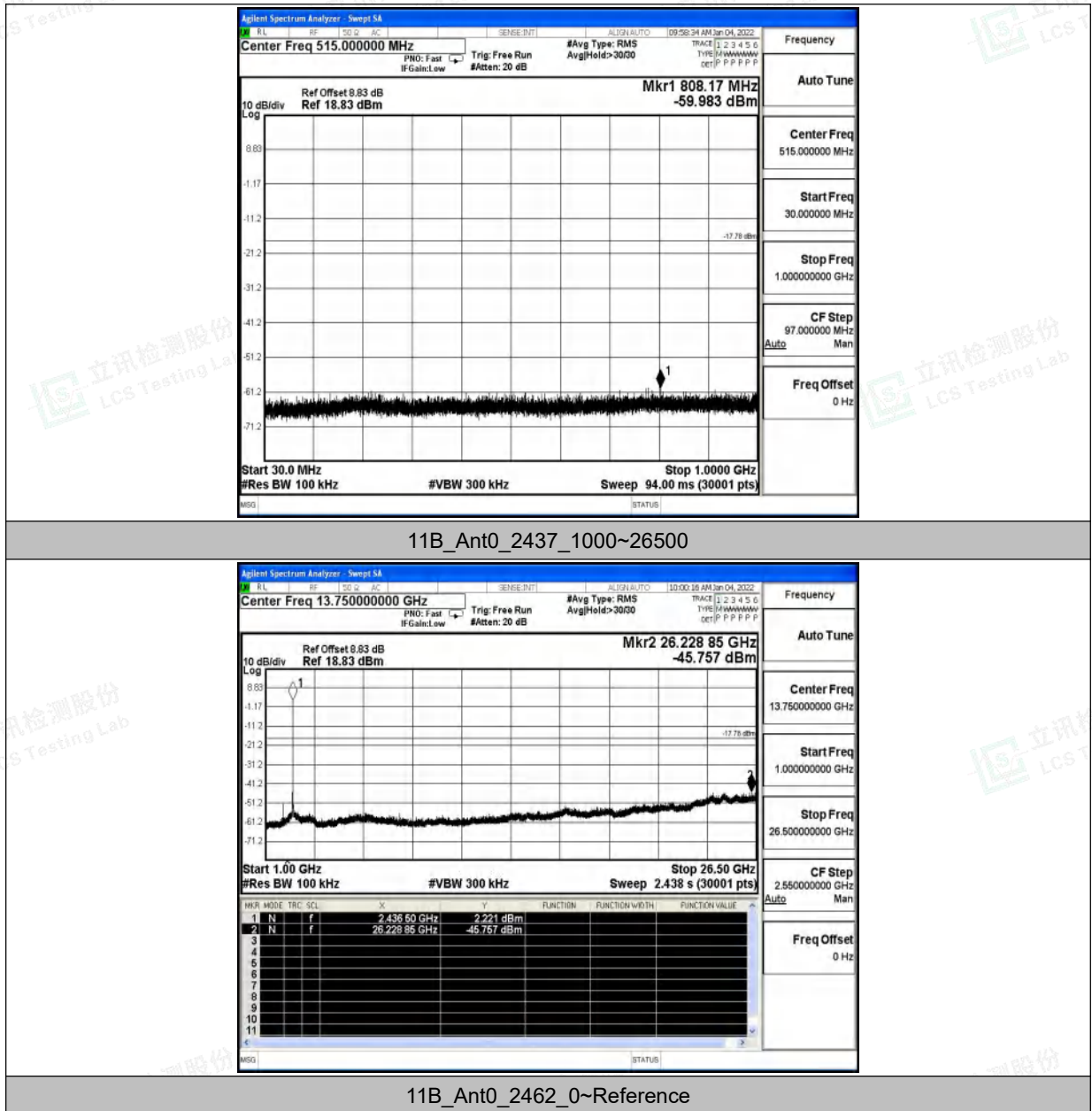


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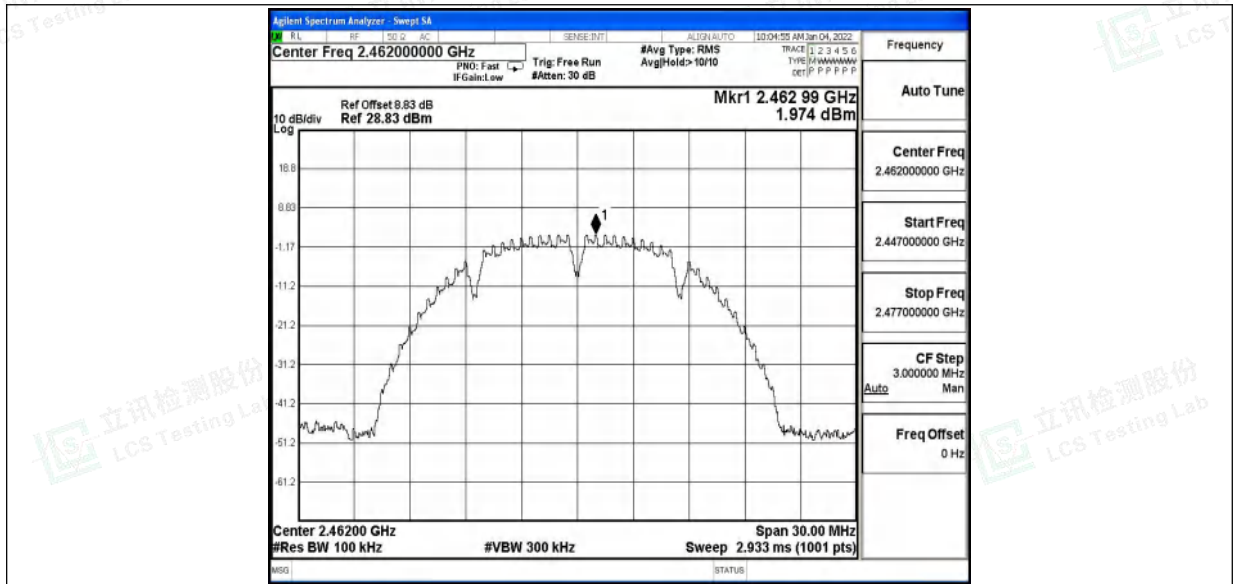


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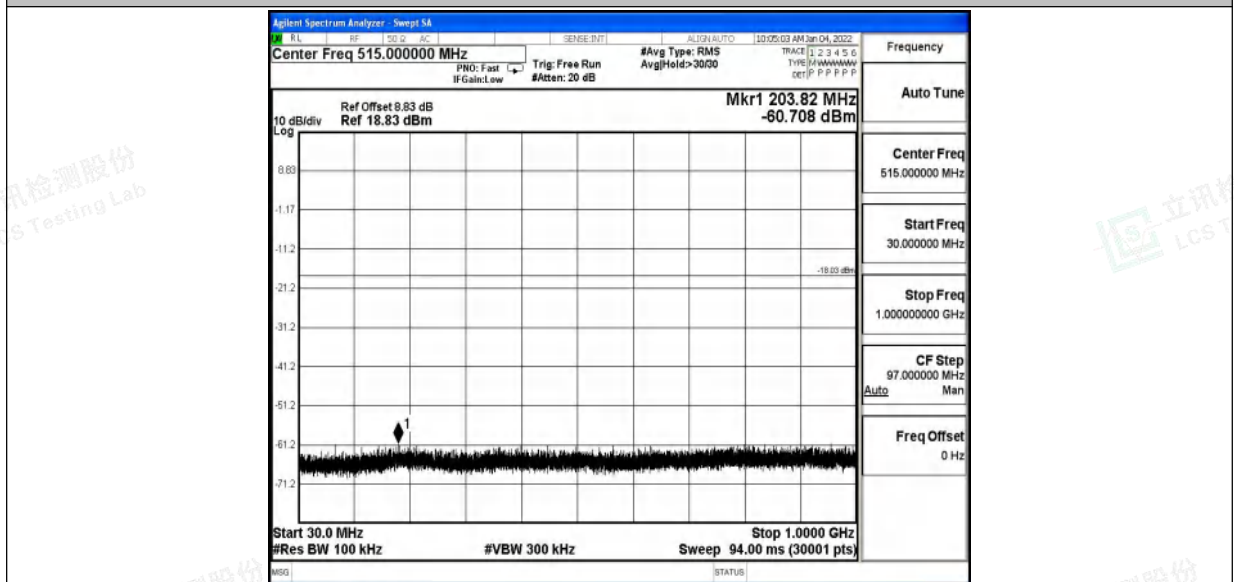
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11B_Ant0_2462_30~1000



11B_Ant0_2462_1000~26500

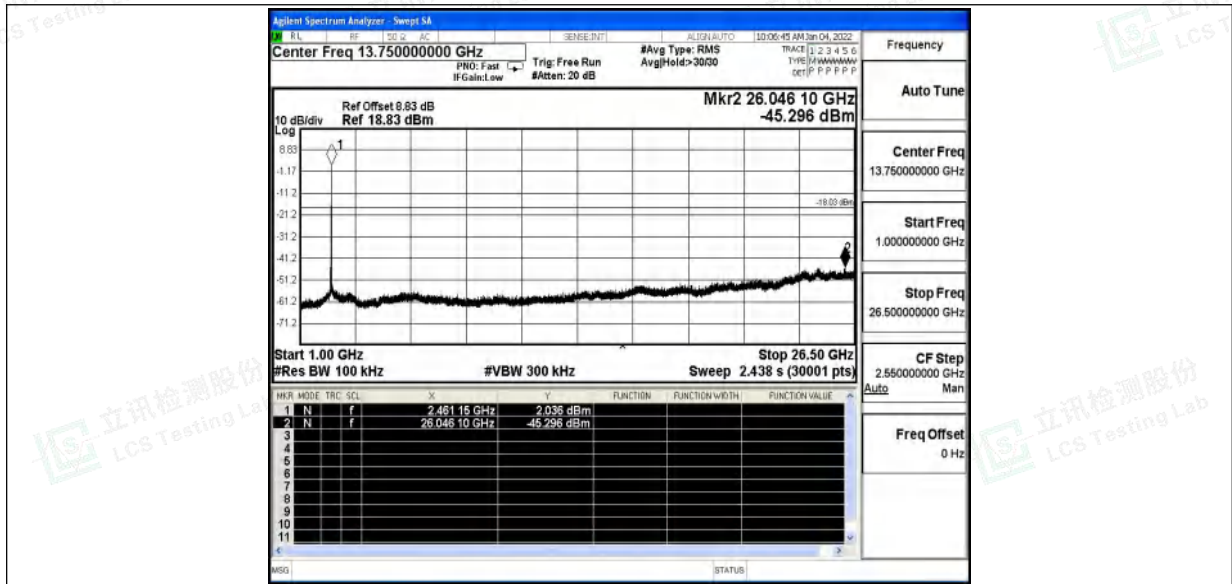


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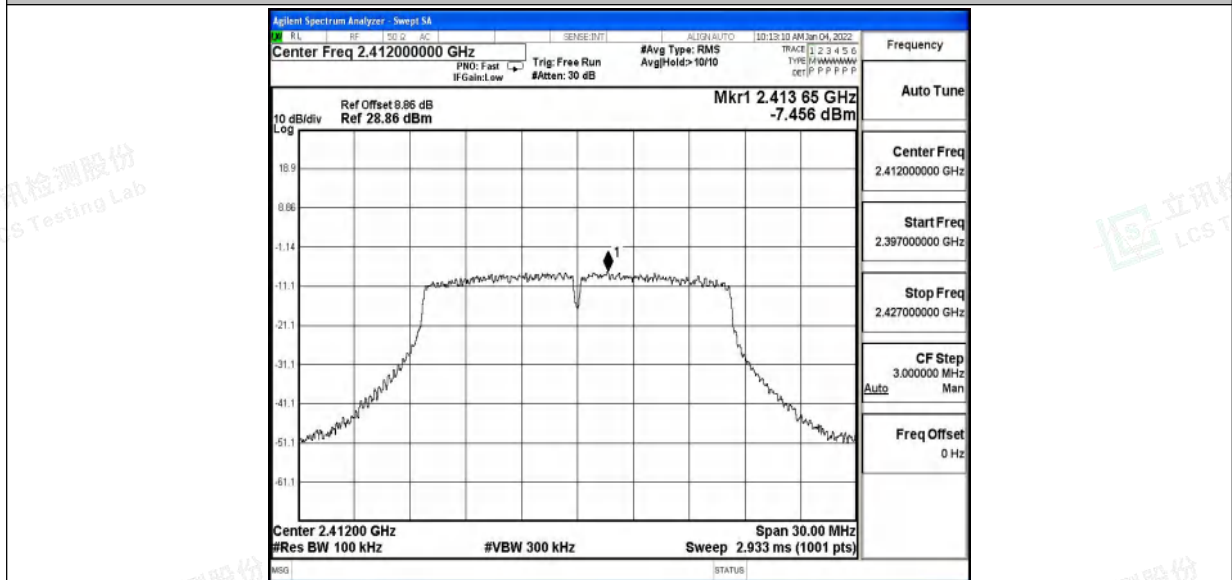
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11G_Ant0_2412_0~Reference



11G_Ant0_2412_30~1000

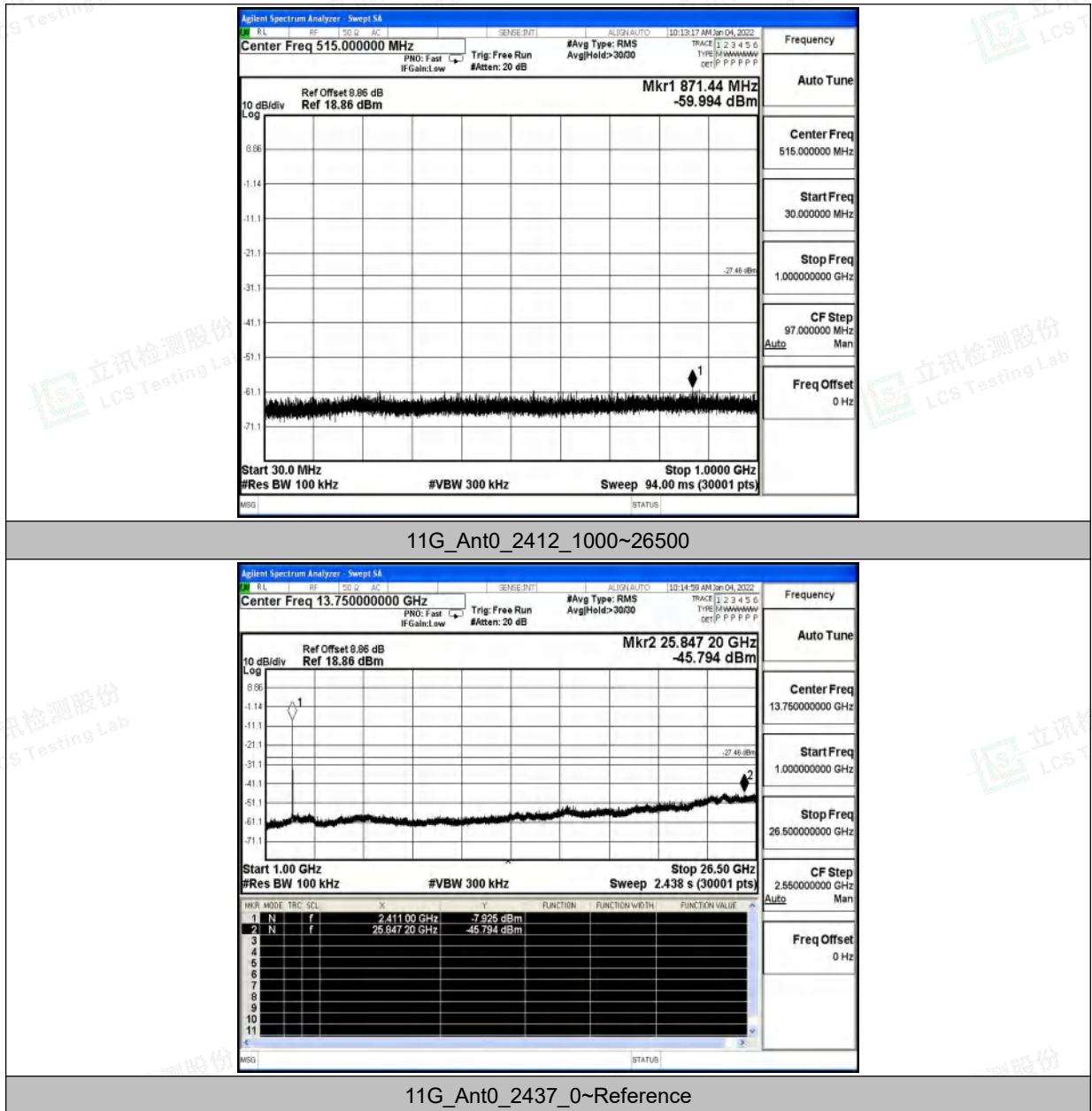


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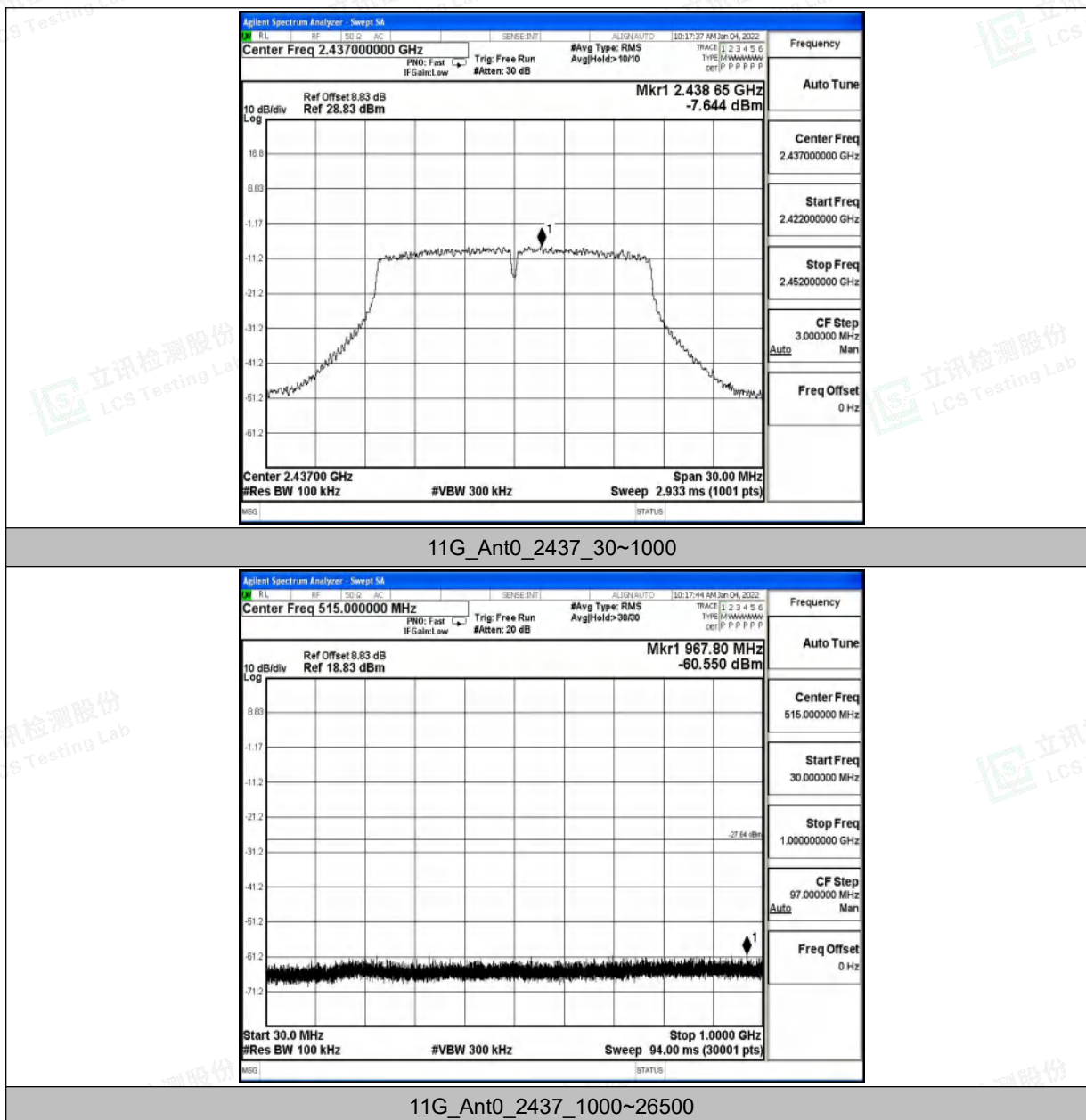


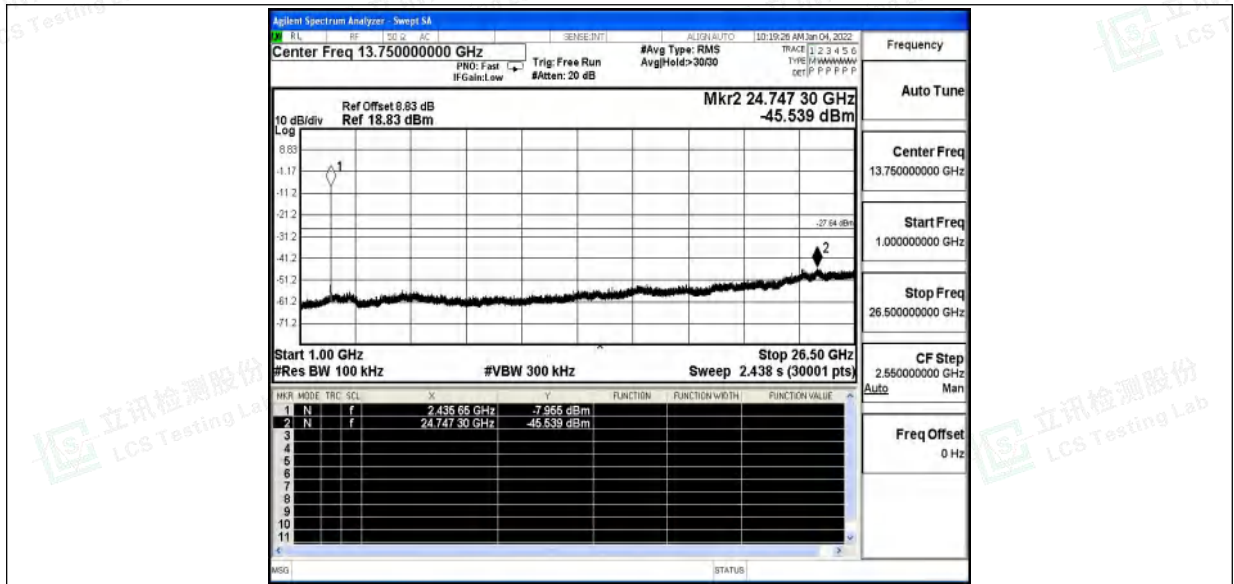
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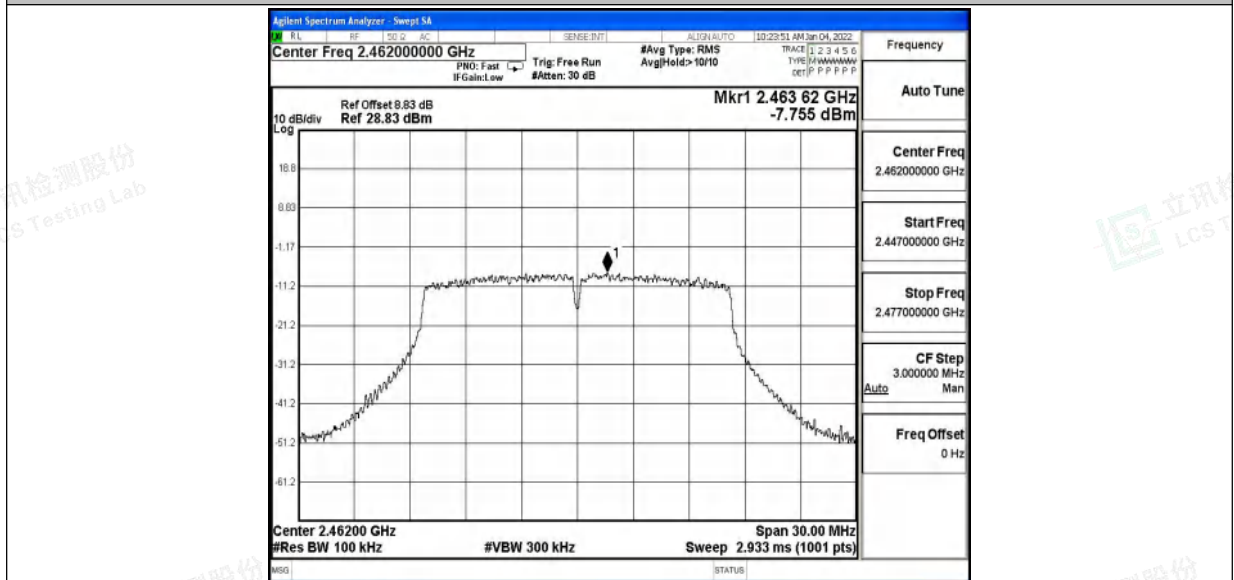
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11G_Ant0_2462_0~Reference



11G_Ant0_2462_30~1000

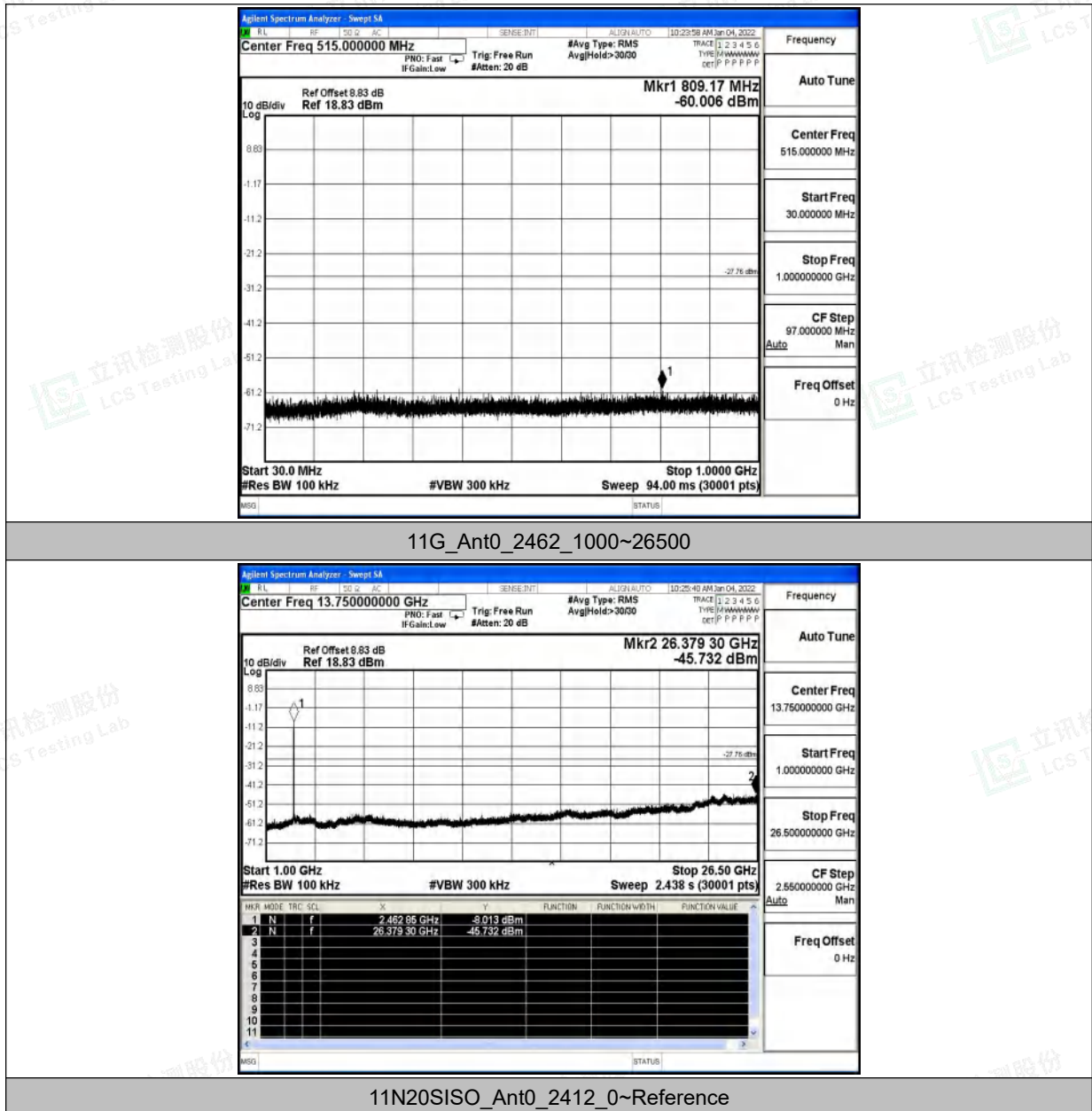


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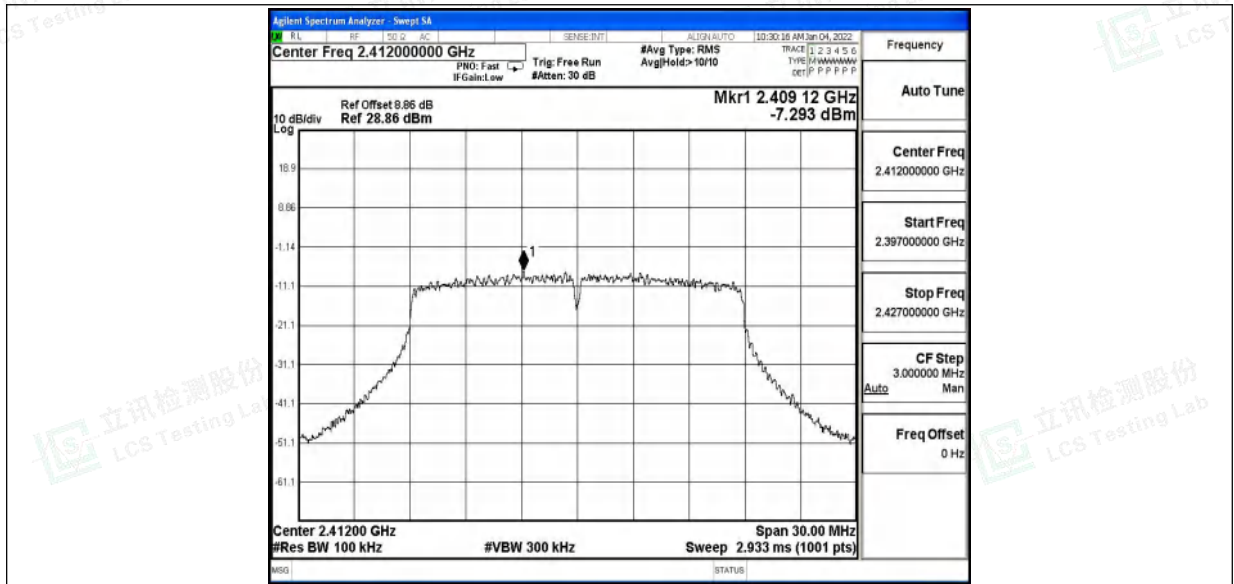


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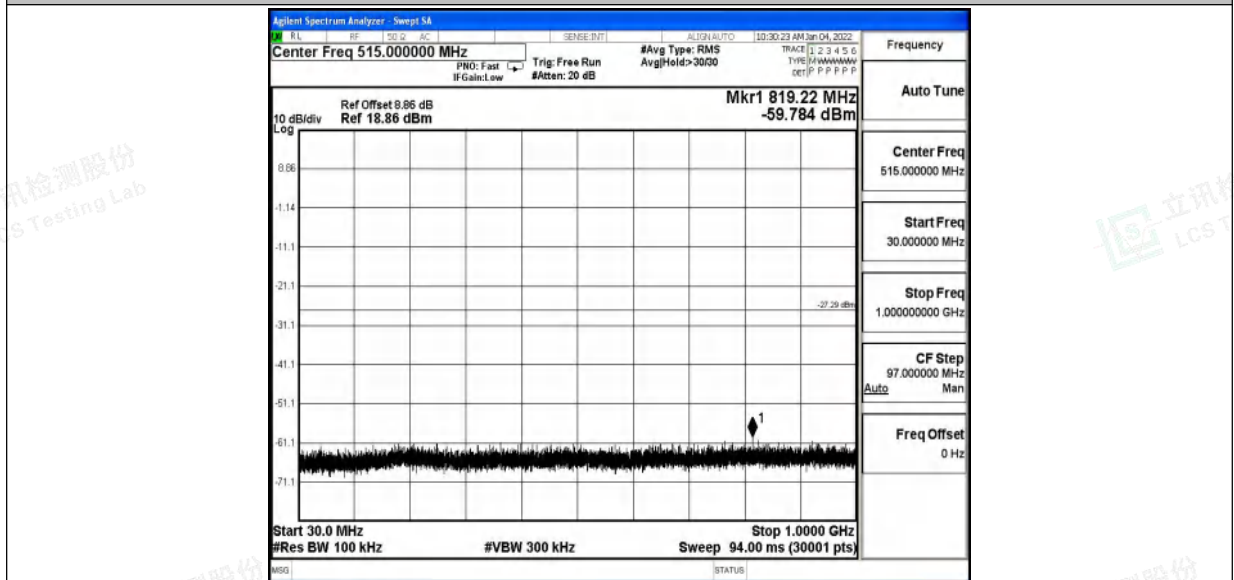
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11N20SISO_Ant0_2412_30~1000



11N20SISO_Ant0_2412_1000~26500

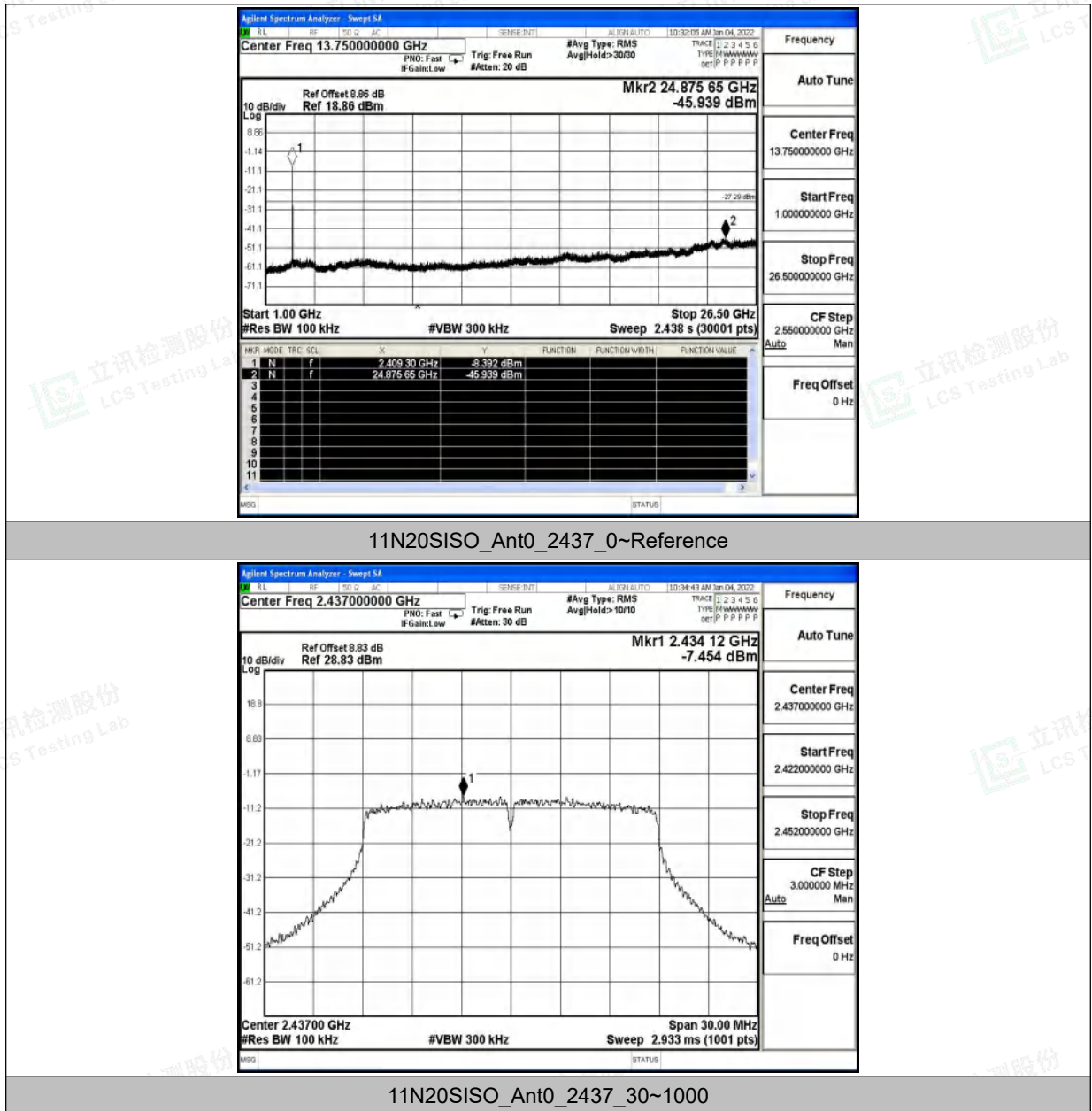


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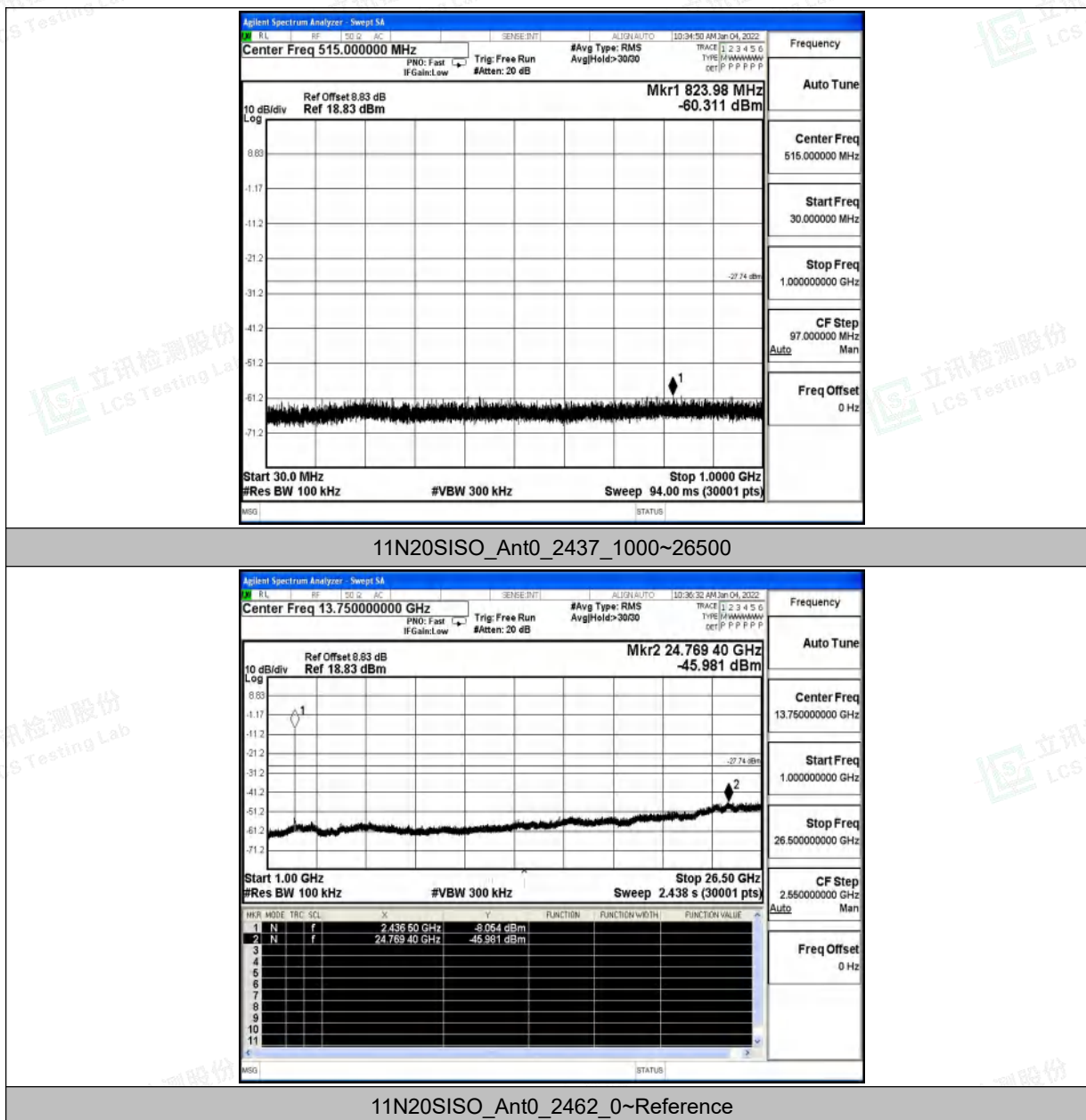


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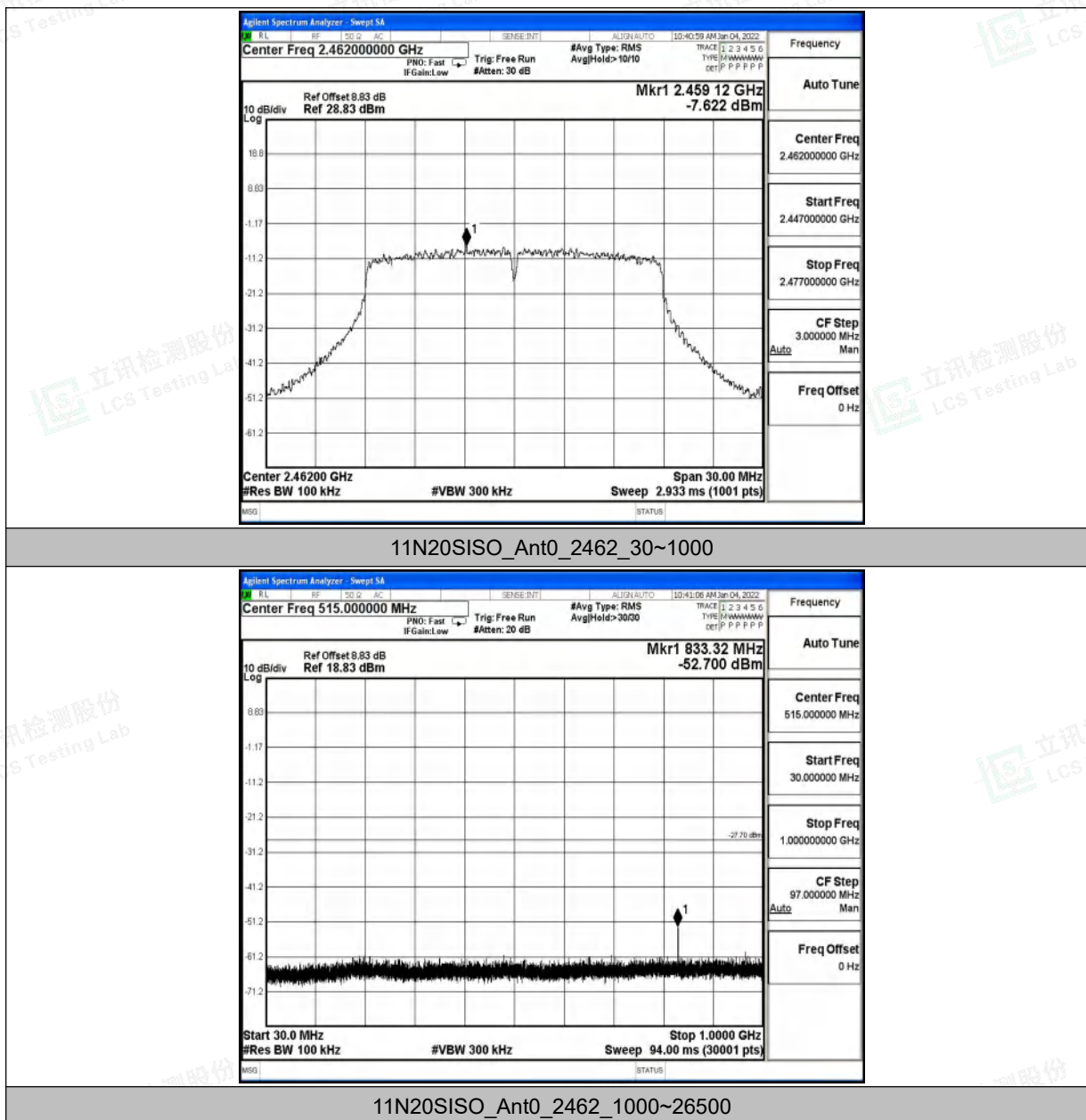


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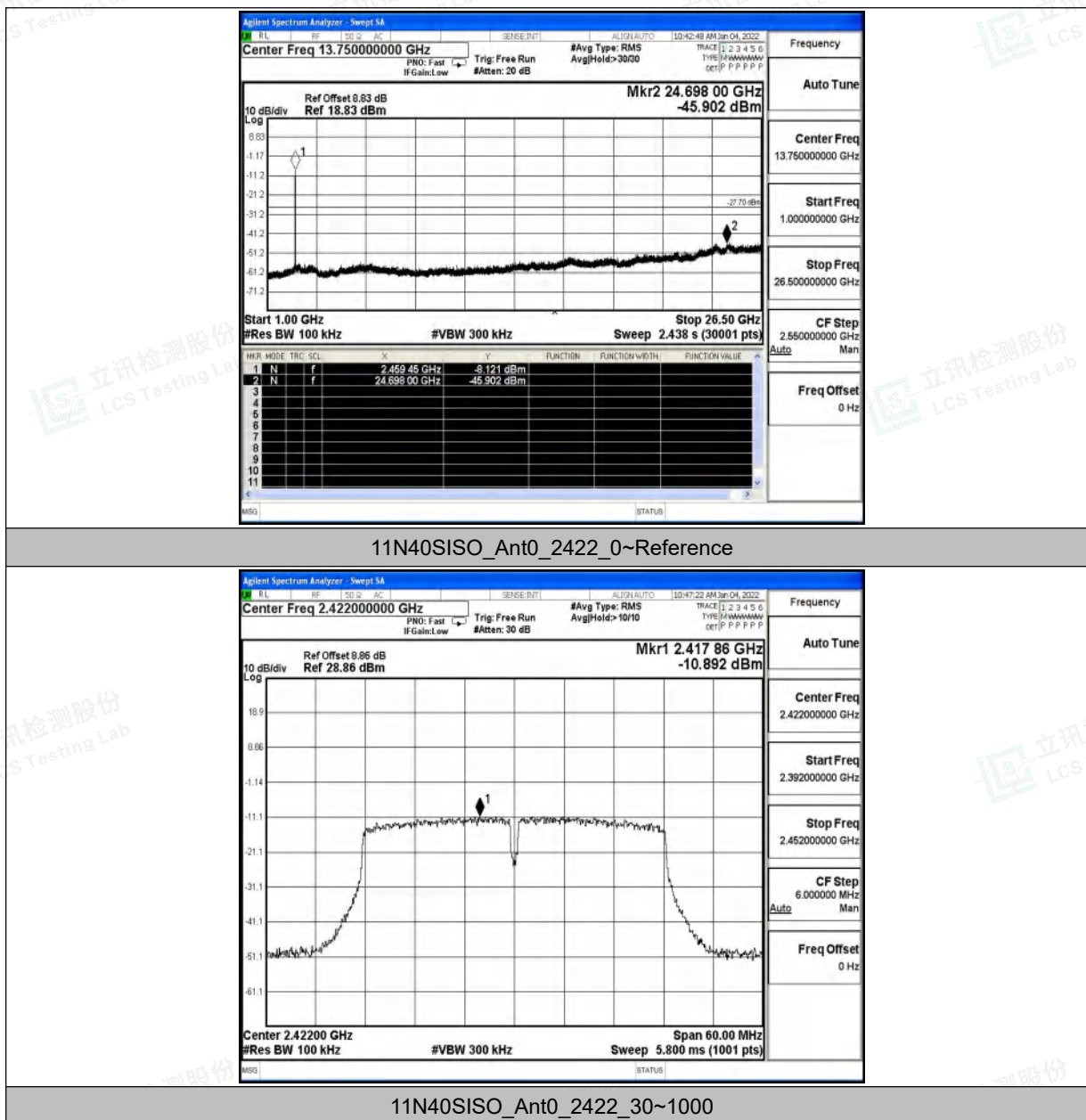


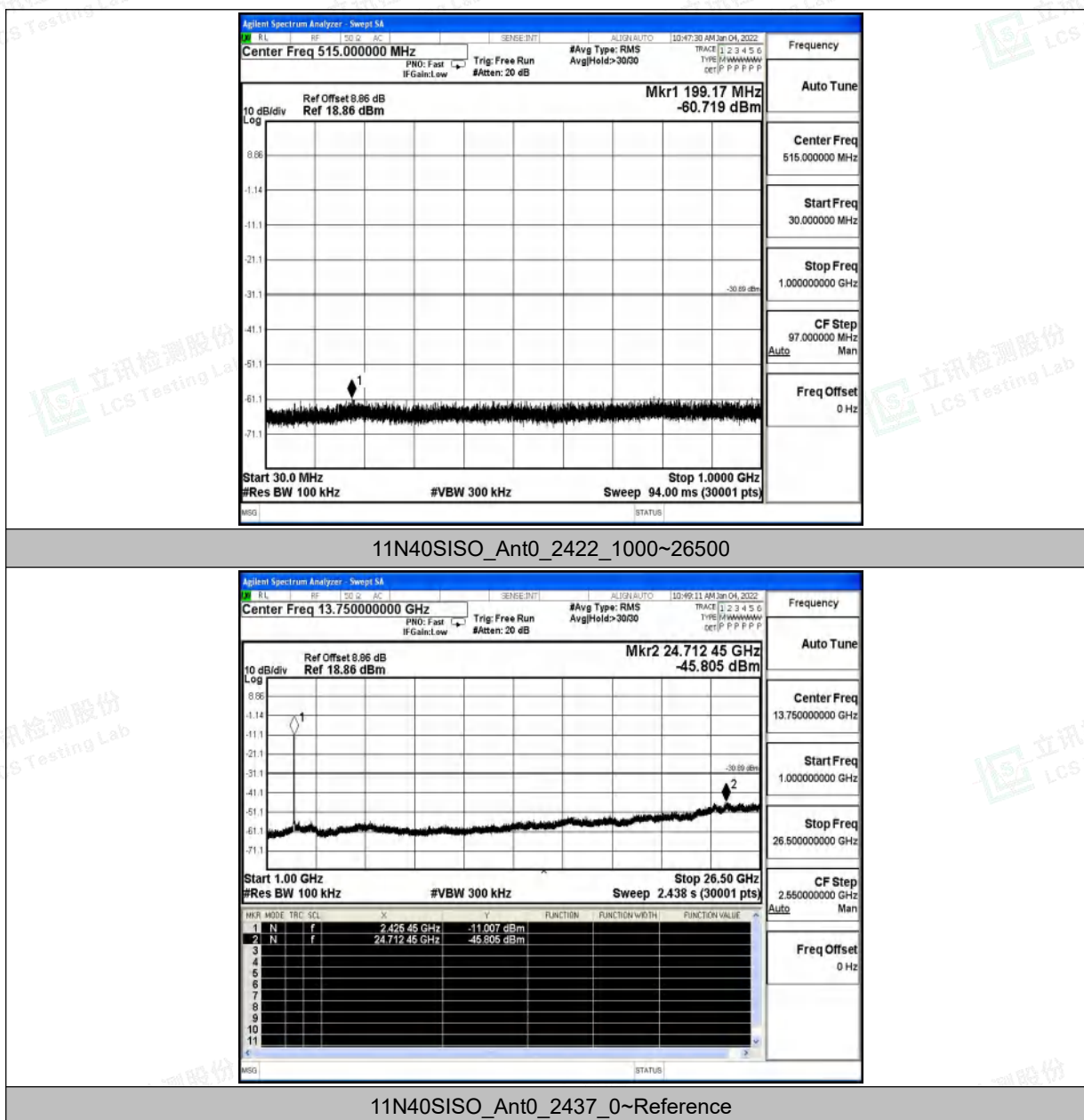
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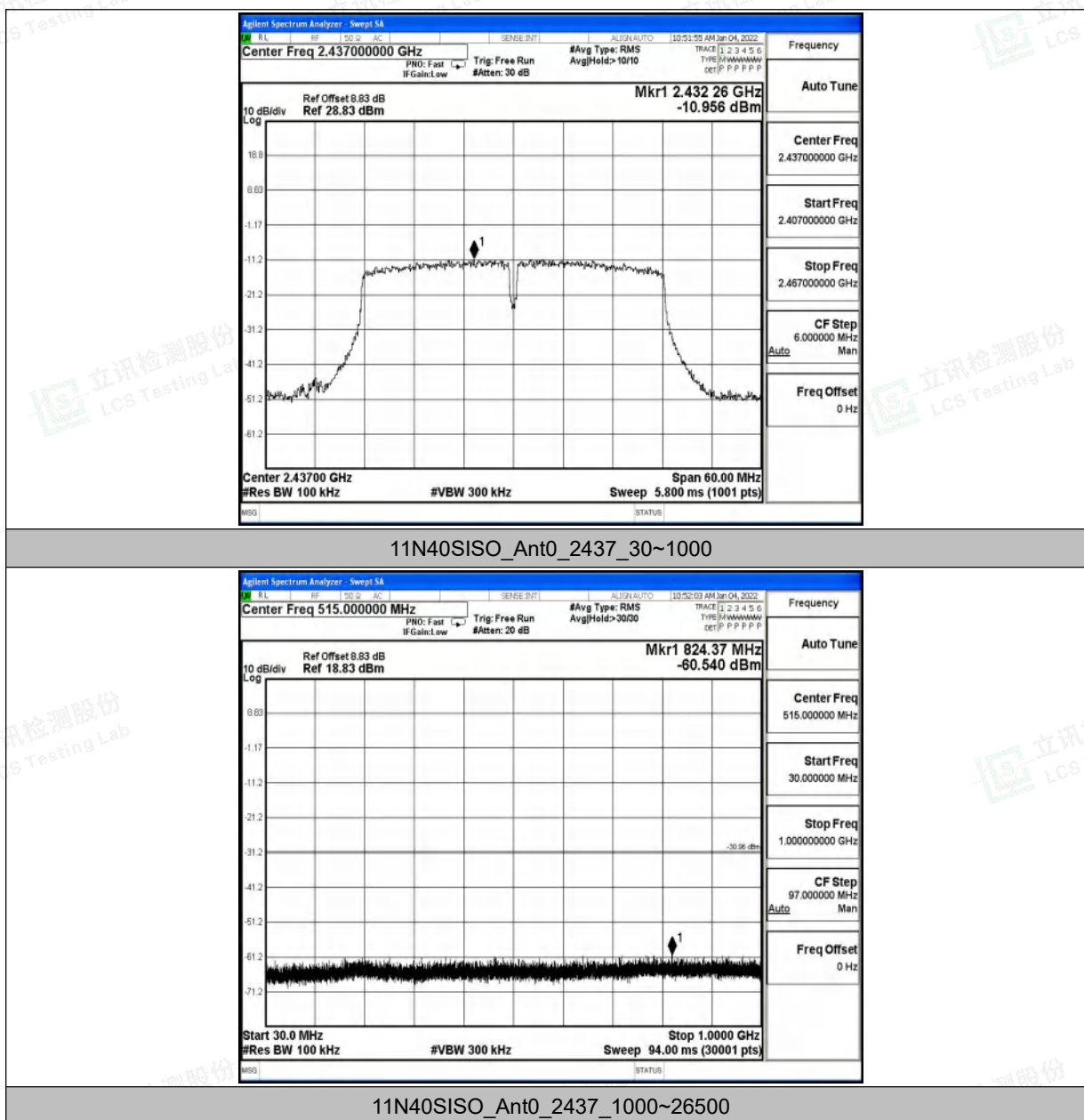


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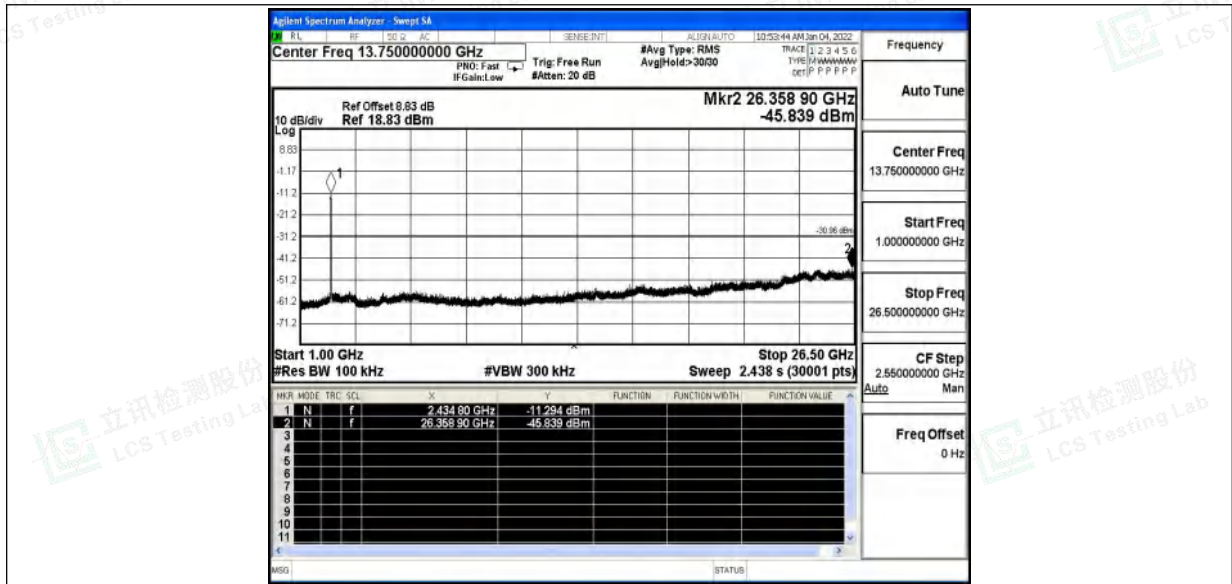


Shenzhen LCS Compliance Testing Laboratory Ltd.

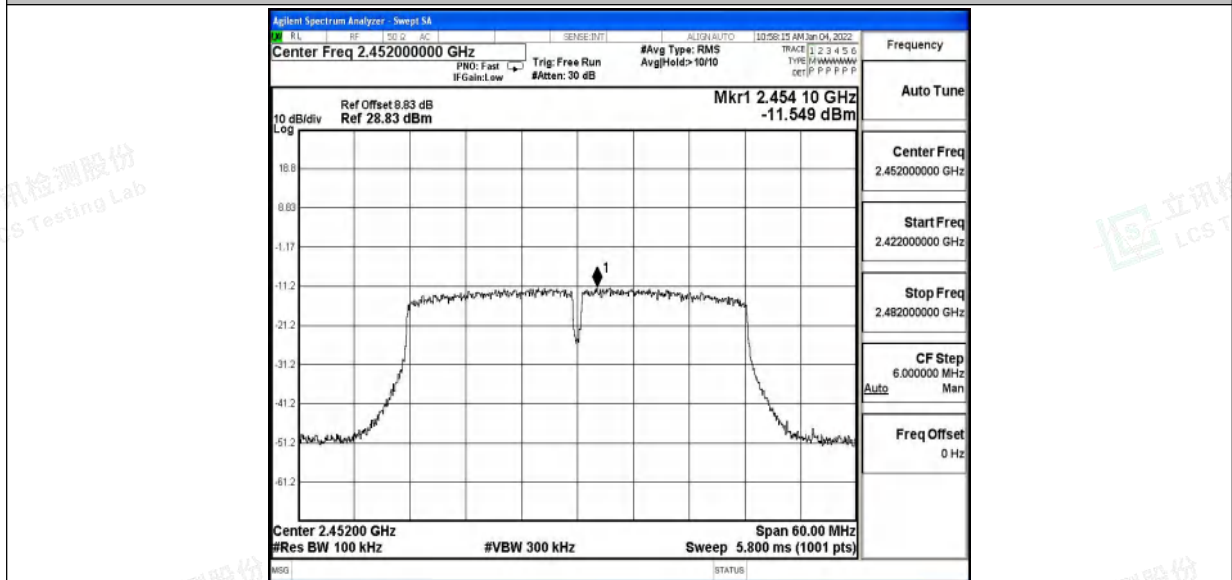
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11N40SISO_Ant0_2452_0~Reference



11N40SISO_Ant0_2452_30~1000

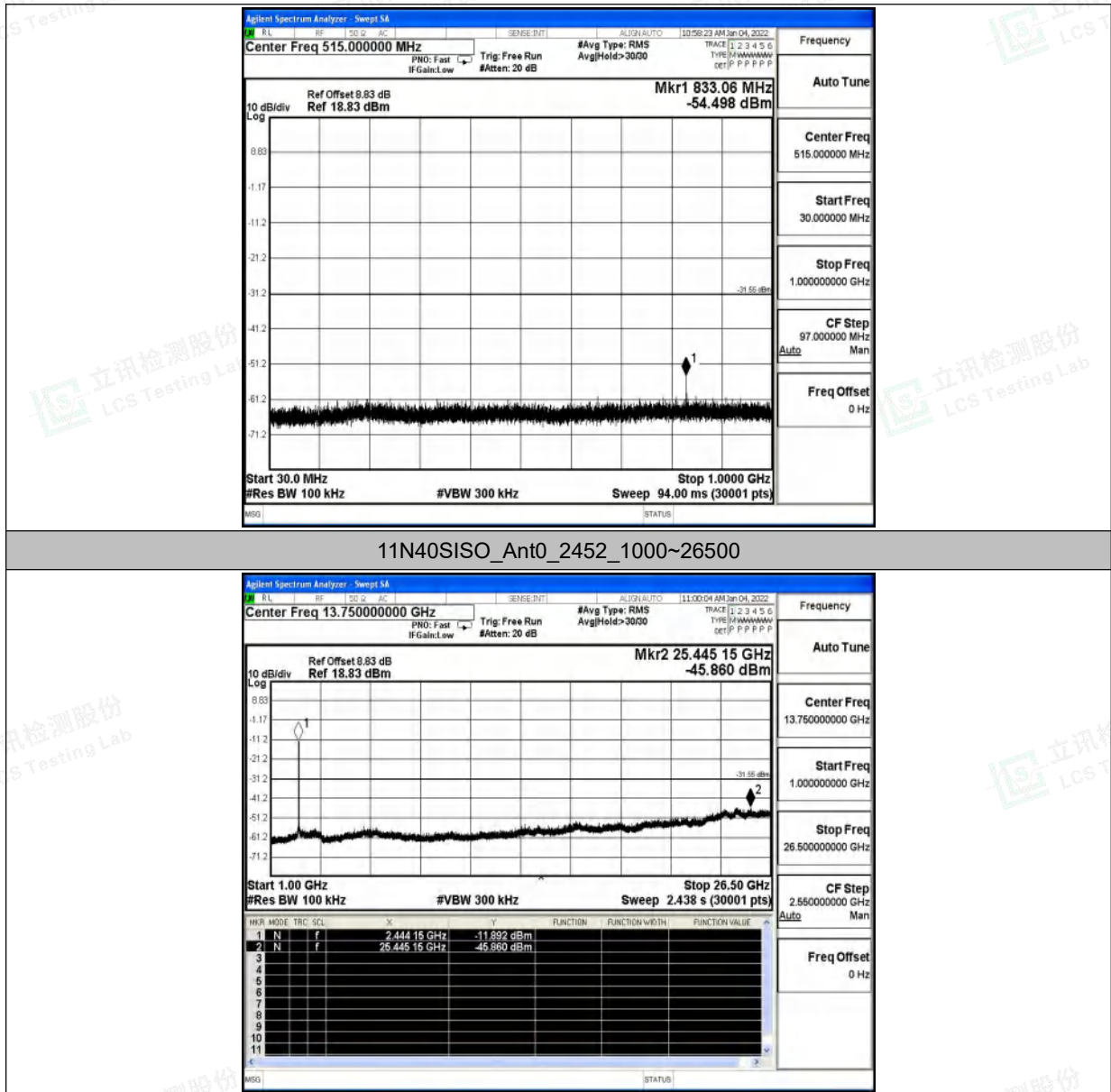


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TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.73	2.73	---	PASS
			30~1000	2.73	-59.95	≤ -17.27	PASS
			1000~26500	2.73	-45.27	≤ -17.27	PASS
		2437	Reference	2.67	2.67	---	PASS
			30~1000	2.67	-60.19	≤ -17.33	PASS
			1000~26500	2.67	-45.58	≤ -17.33	PASS
		2462	Reference	2.48	2.48	---	PASS
			30~1000	2.48	-60.15	≤ -17.52	PASS
			1000~26500	2.48	-45.56	≤ -17.52	PASS
11G	Ant1	2412	Reference	-6.84	-6.84	---	PASS
			30~1000	-6.84	-60.35	≤ -26.84	PASS
			1000~26500	-6.84	-45.59	≤ -26.84	PASS
		2437	Reference	-7.11	-7.11	---	PASS
			30~1000	-7.11	-60.26	≤ -27.11	PASS
			1000~26500	-7.11	-46.27	≤ -27.11	PASS
		2462	Reference	-7.24	-7.24	---	PASS
			30~1000	-7.24	-60.21	≤ -27.24	PASS
			1000~26500	-7.24	-45.37	≤ -27.24	PASS
11N20SISO	Ant1	2412	Reference	-6.76	-6.76	---	PASS
			30~1000	-6.76	-60.17	≤ -26.76	PASS
			1000~26500	-6.76	-46.06	≤ -26.76	PASS
		2437	Reference	-7.14	-7.14	---	PASS
			30~1000	-7.14	-60.09	≤ -27.14	PASS
			1000~26500	-7.14	-46.05	≤ -27.14	PASS
		2462	Reference	-6.88	-6.88	---	PASS
			30~1000	-6.88	-42.52	≤ -26.88	PASS
			1000~26500	-6.88	-45.99	≤ -26.88	PASS
11N40SISO	Ant1	2422	Reference	-9.94	-9.94	---	PASS
			30~1000	-9.94	-60.42	≤ -29.94	PASS
			1000~26500	-9.94	-45.51	≤ -29.94	PASS
		2437	Reference	-10.37	-10.37	---	PASS



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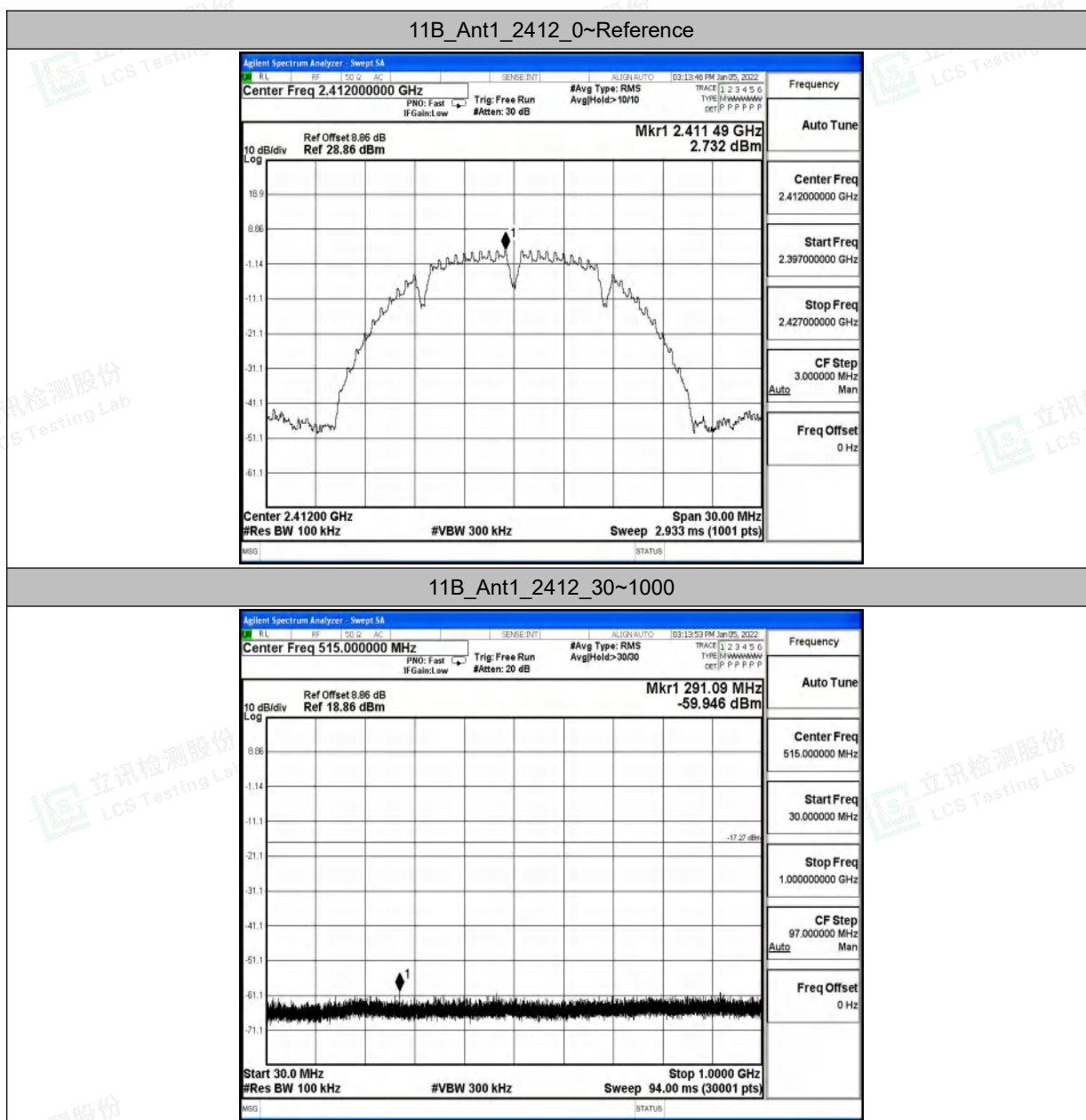
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			30~1000	-10.37	-43.19	≤-30.37	PASS
			1000~26500	-10.37	-45.83	≤-30.37	PASS
		2452	Reference	-10.47	-10.47	---	PASS
			30~1000	-10.47	-49.73	≤-30.47	PASS
			1000~26500	-10.47	-45.57	≤-30.47	PASS

Test Graphs



Shenzhen LCS Compliance Testing Laboratory Ltd.

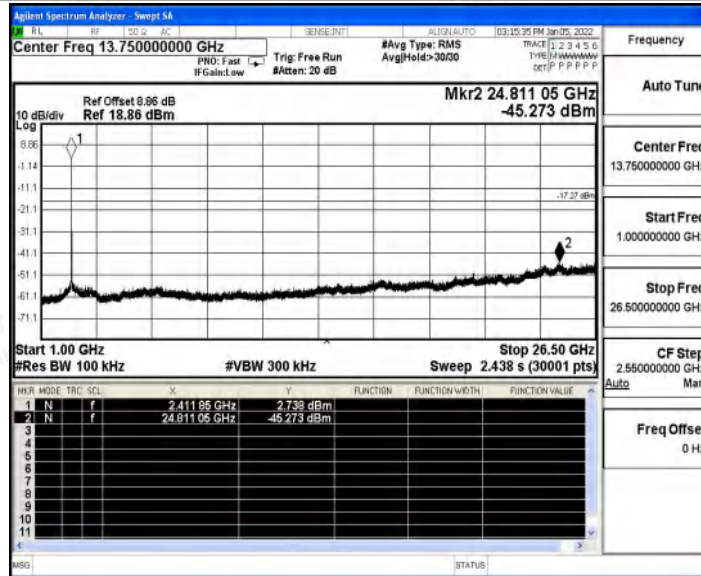
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

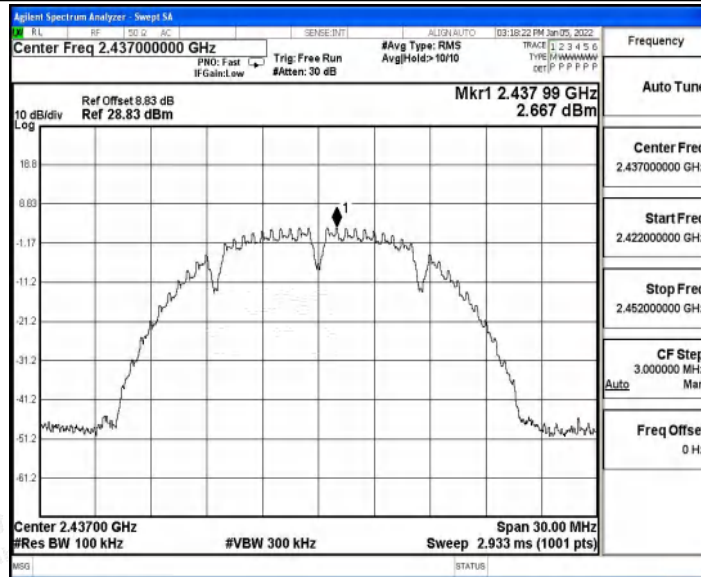
Scan code to check authenticity



11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

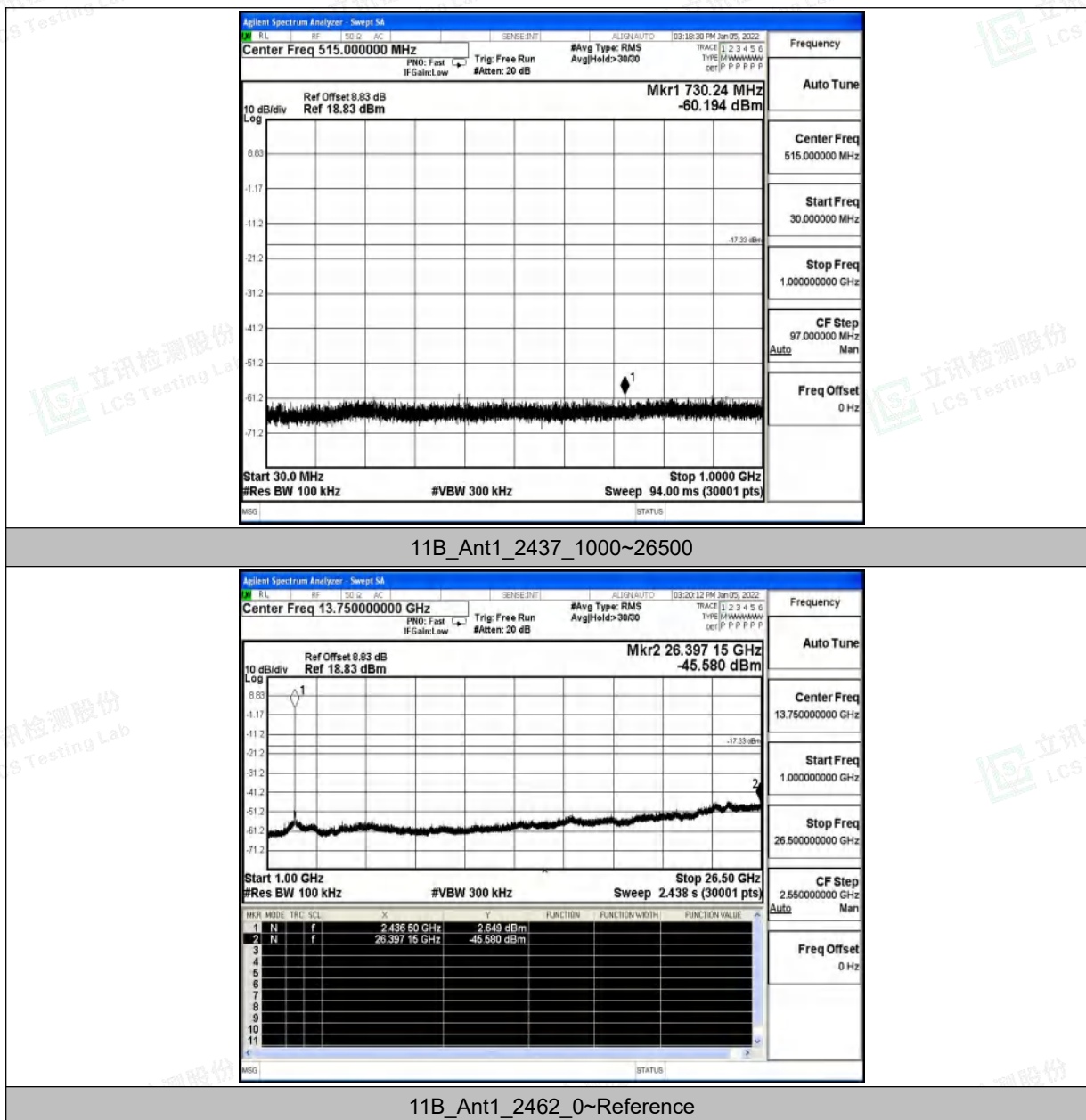


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Scan code to check authenticity

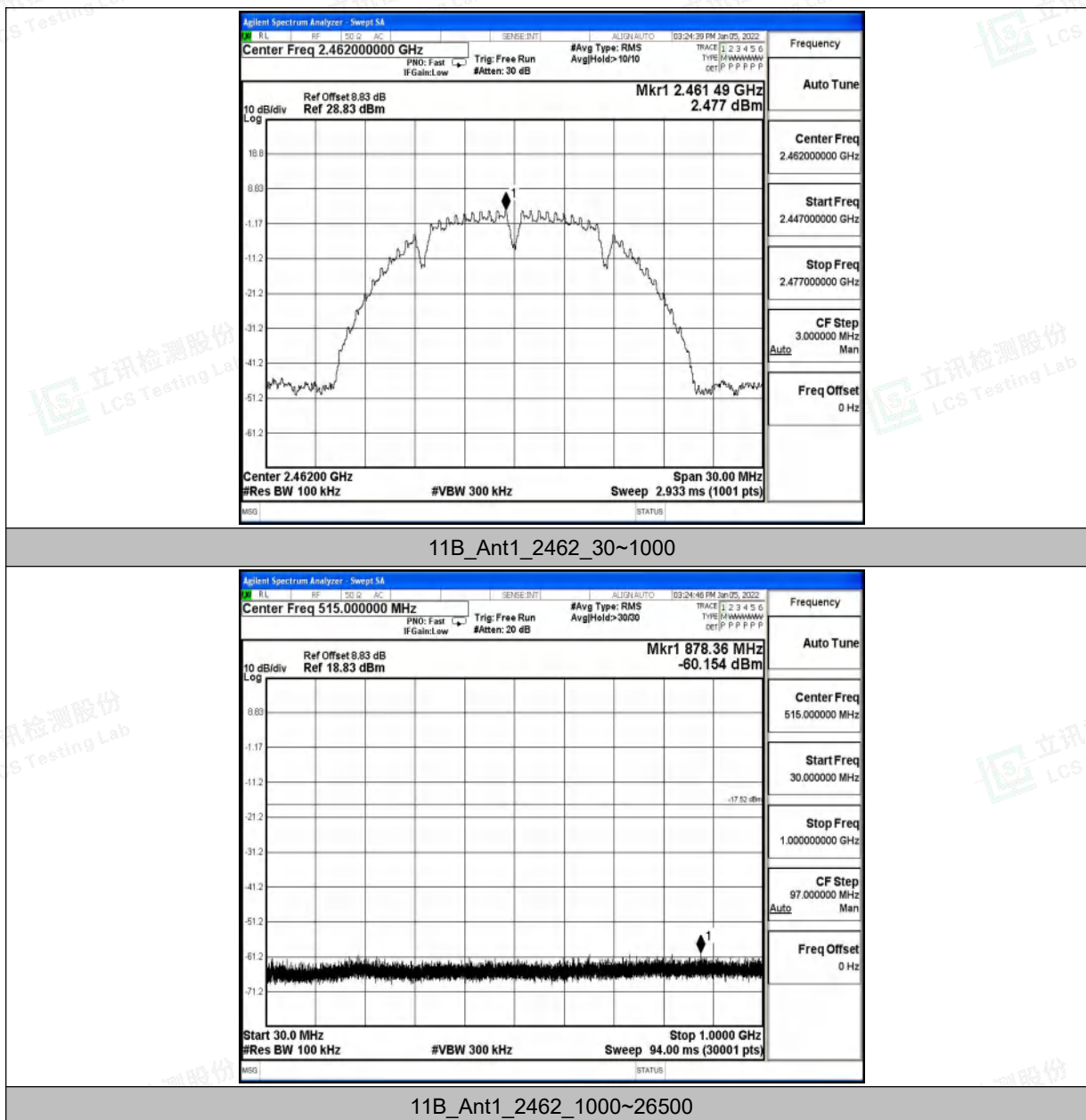


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Scan code to check authenticity

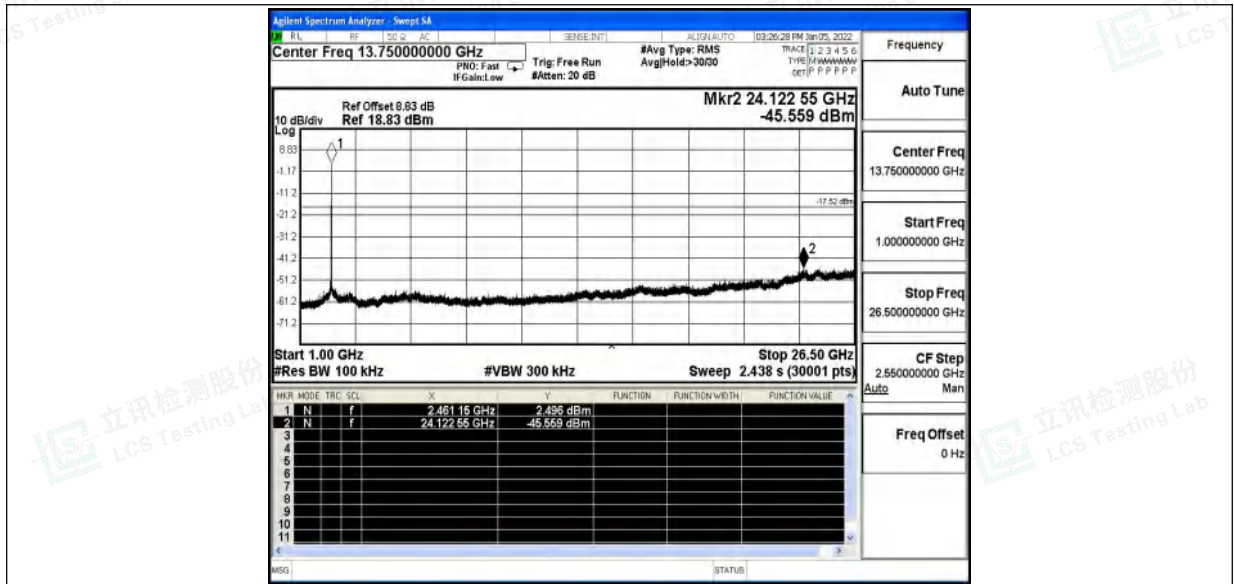


Shenzhen LCS Compliance Testing Laboratory Ltd.

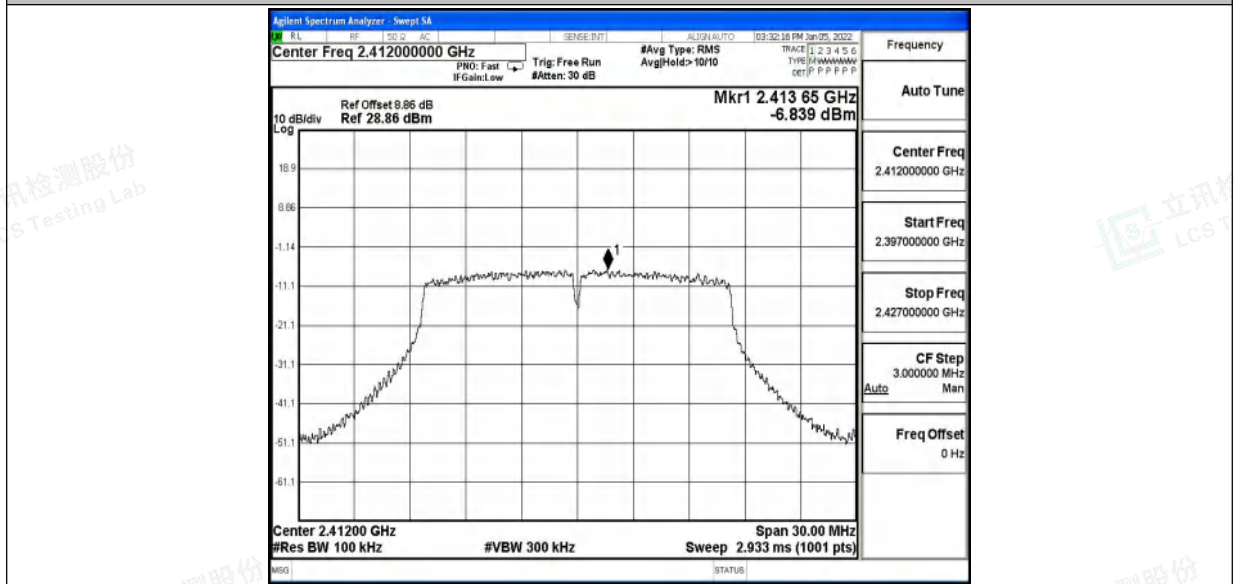
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Scan code to check authenticity



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000

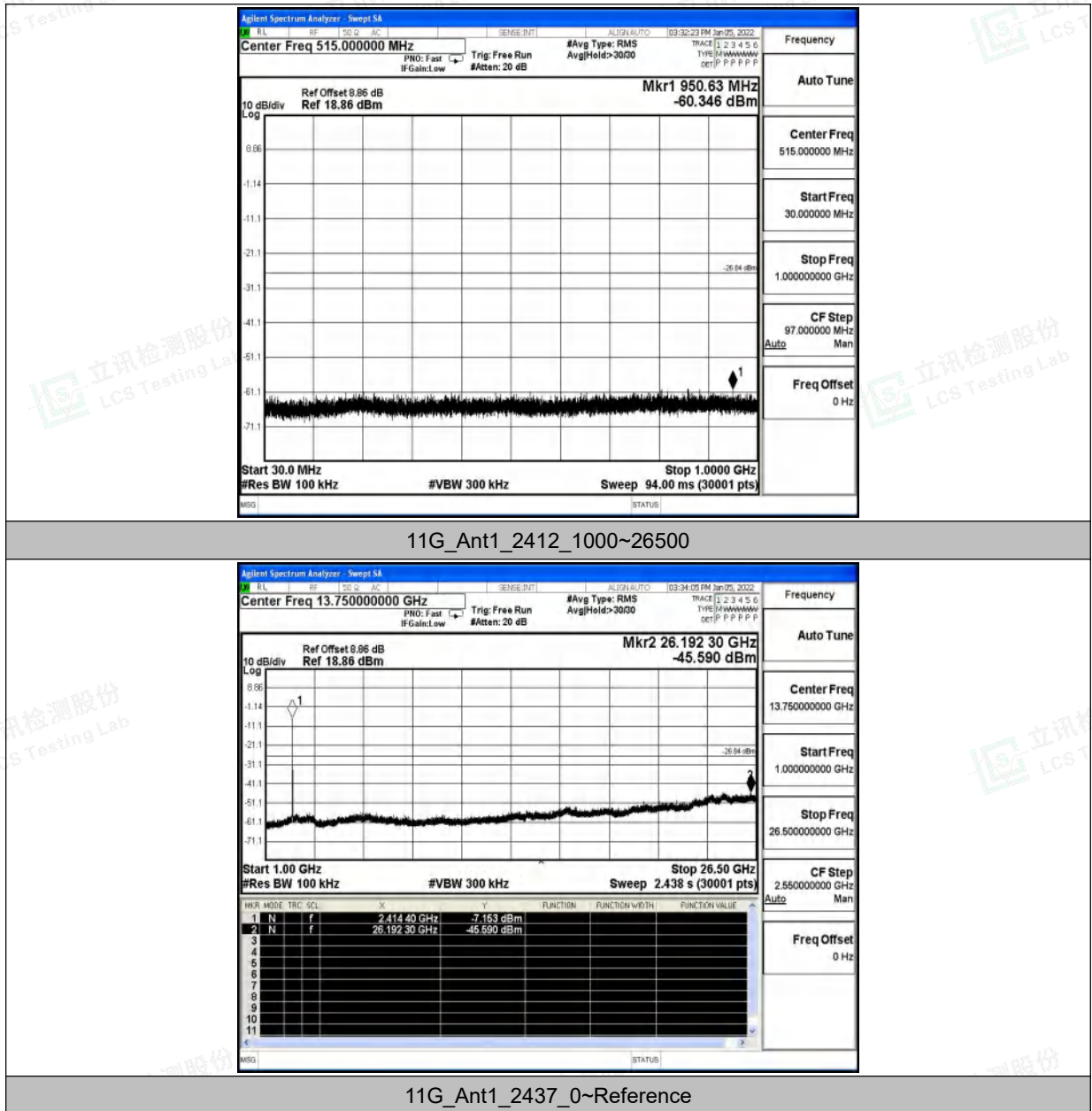


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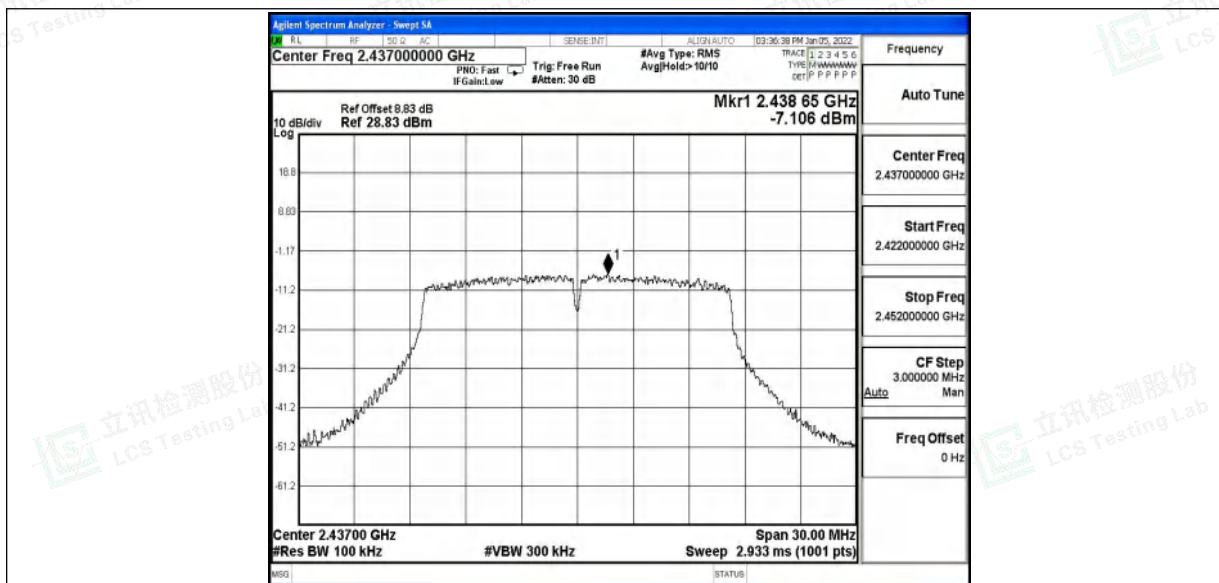


Shenzhen LCS Compliance Testing Laboratory Ltd.

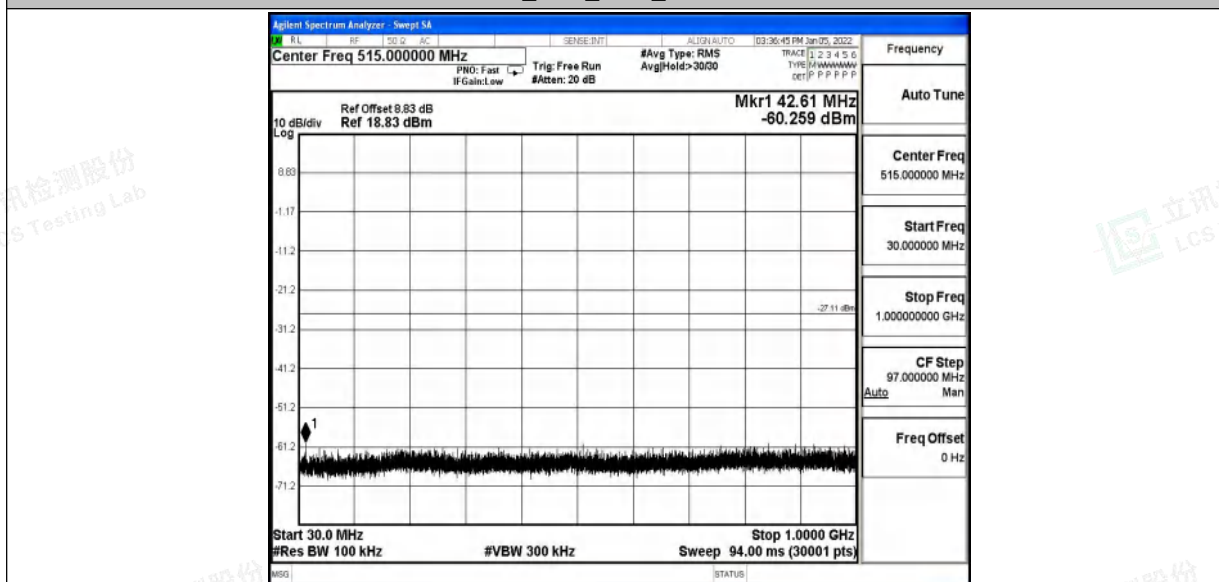
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

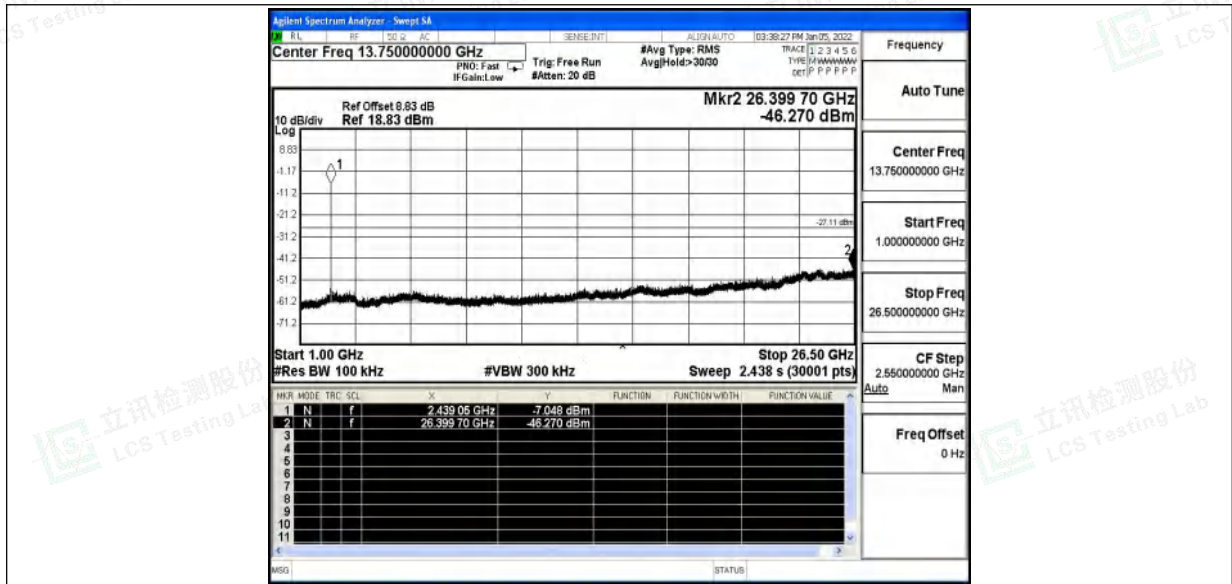


Shenzhen LCS Compliance Testing Laboratory Ltd.

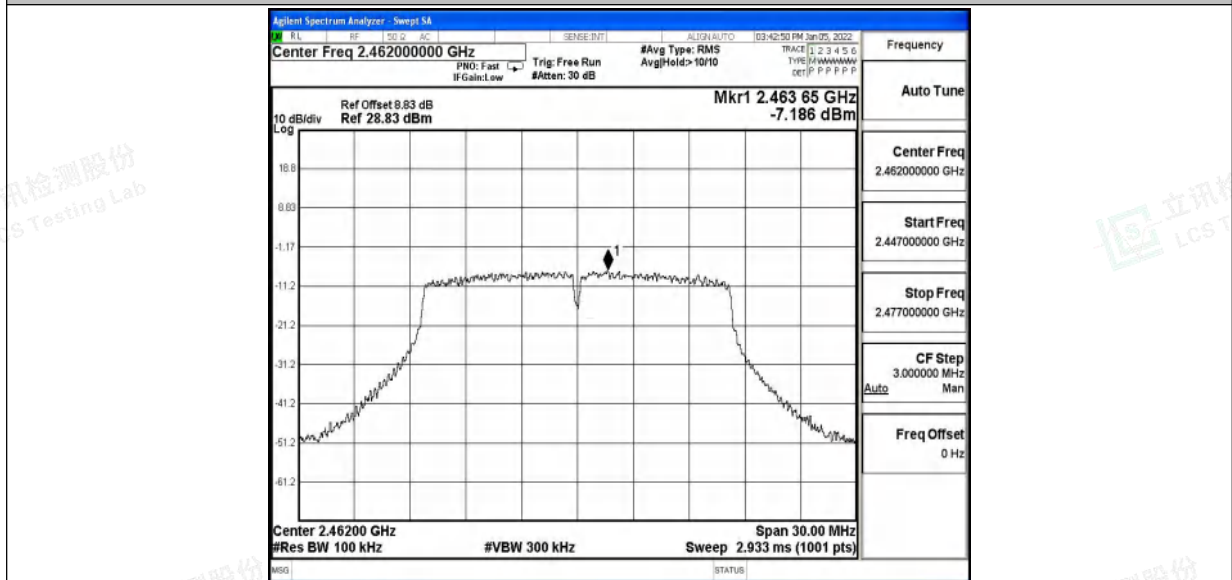
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Scan code to check authenticity



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000

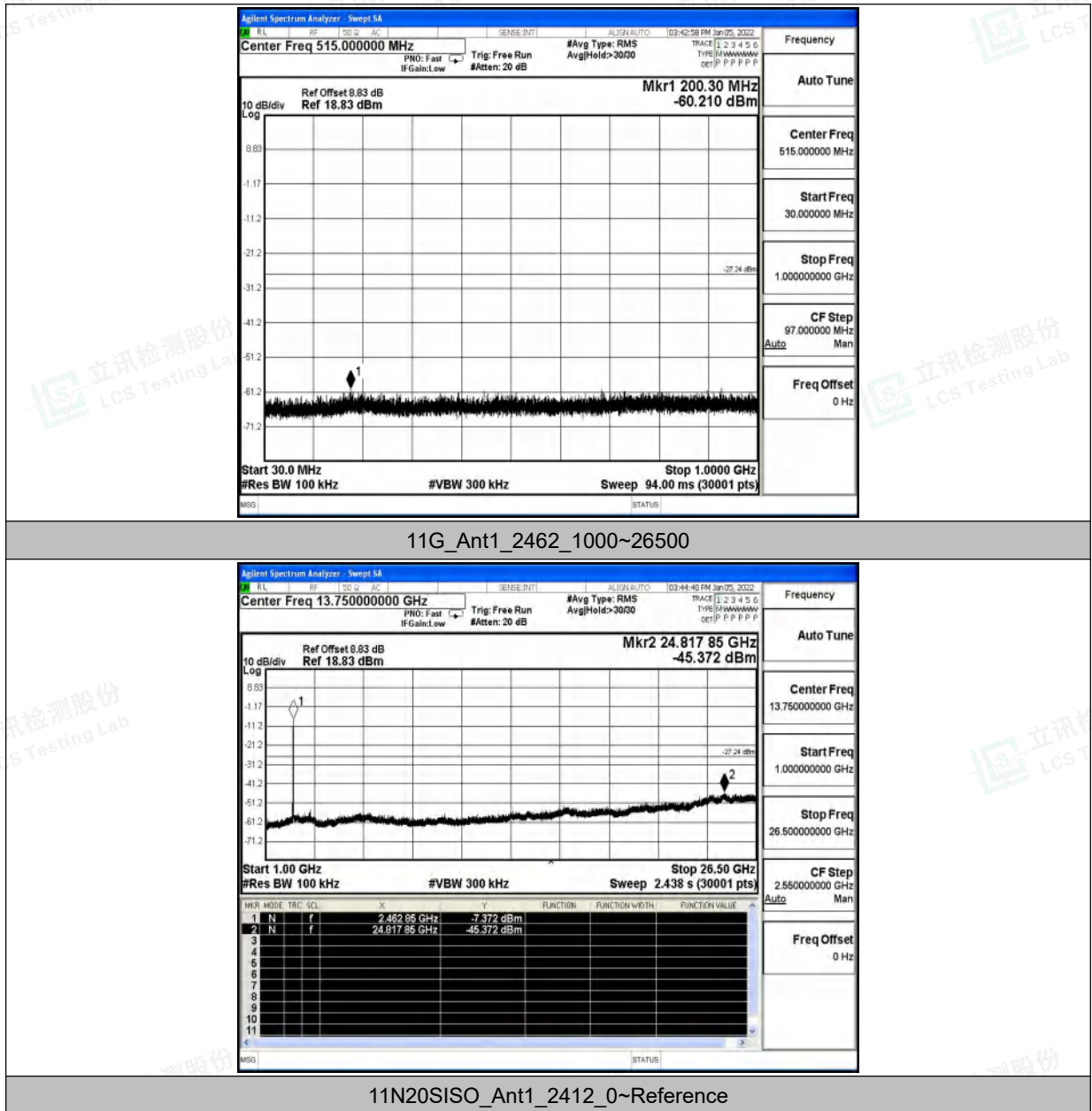


Shenzhen LCS Compliance Testing Laboratory Ltd.

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Scan code to check authenticity

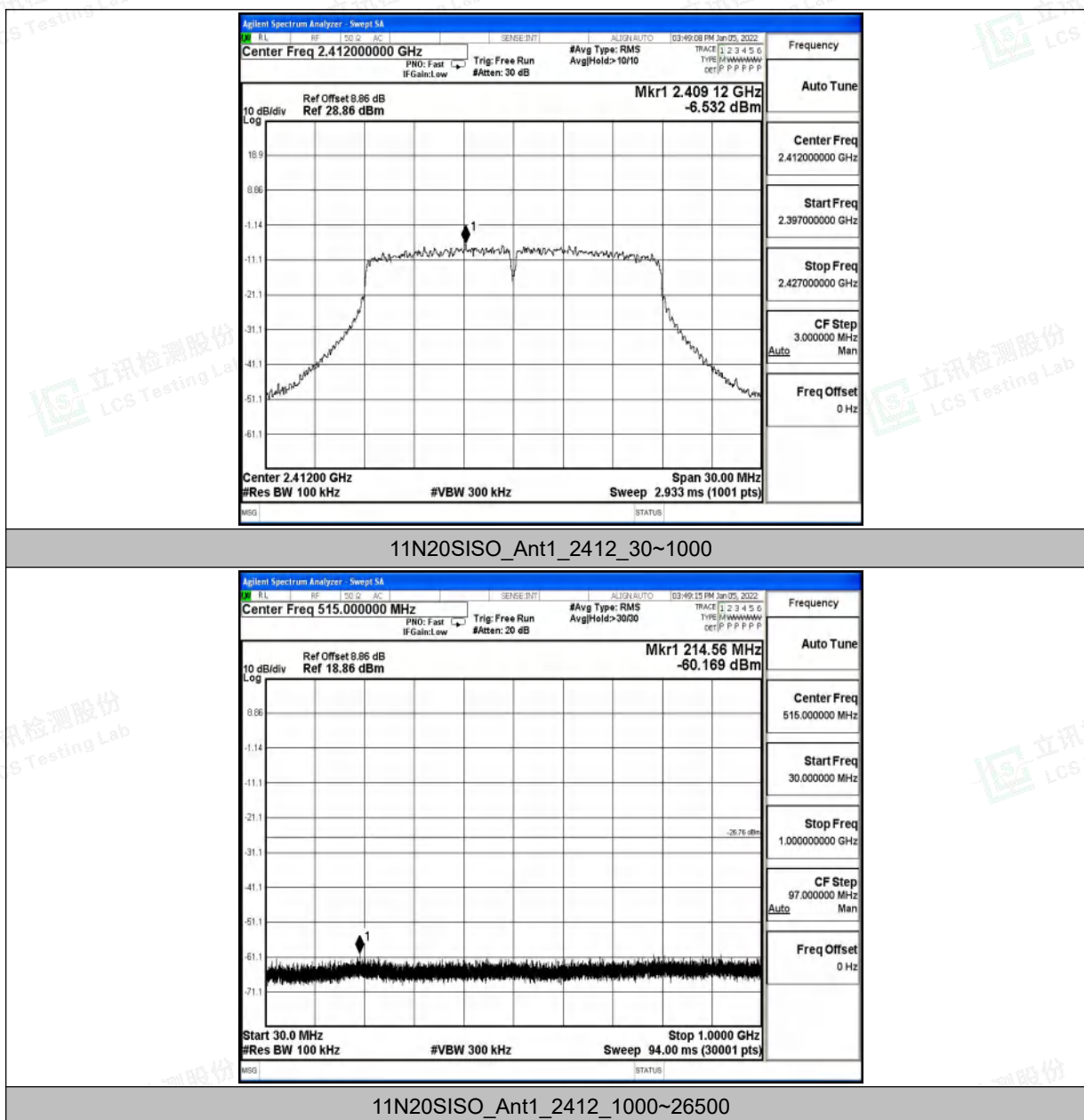


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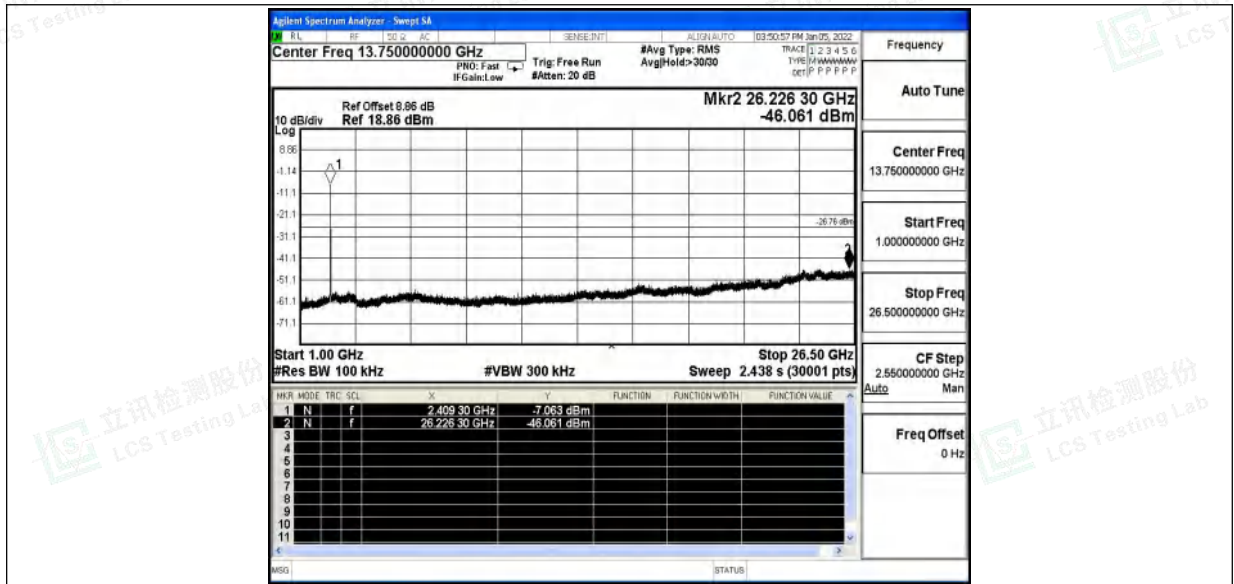


Shenzhen LCS Compliance Testing Laboratory Ltd.

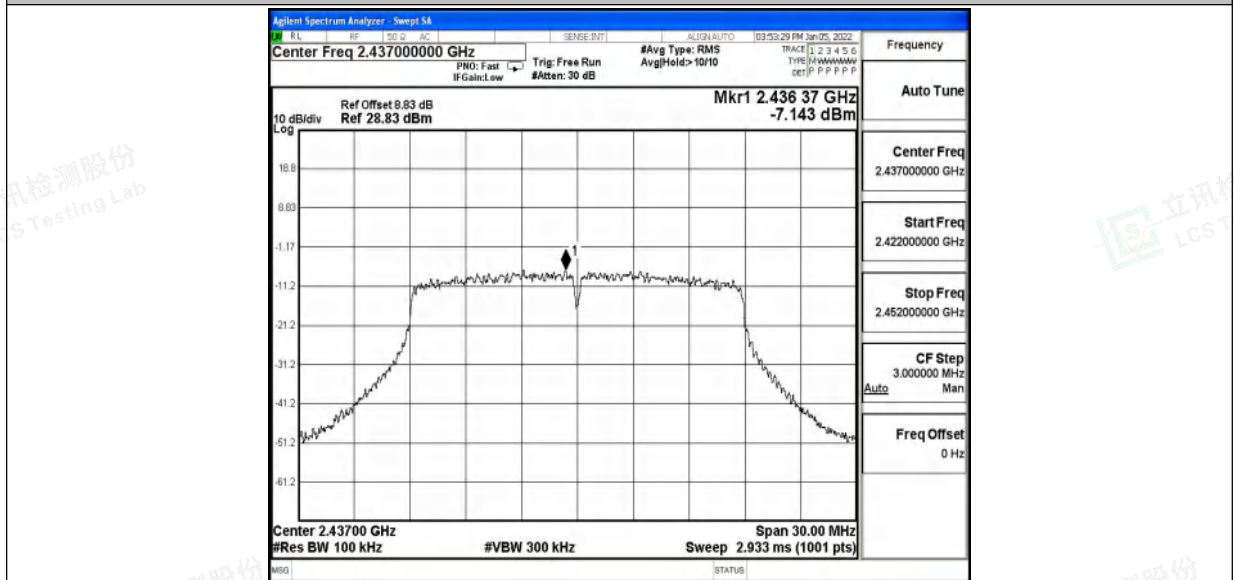
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

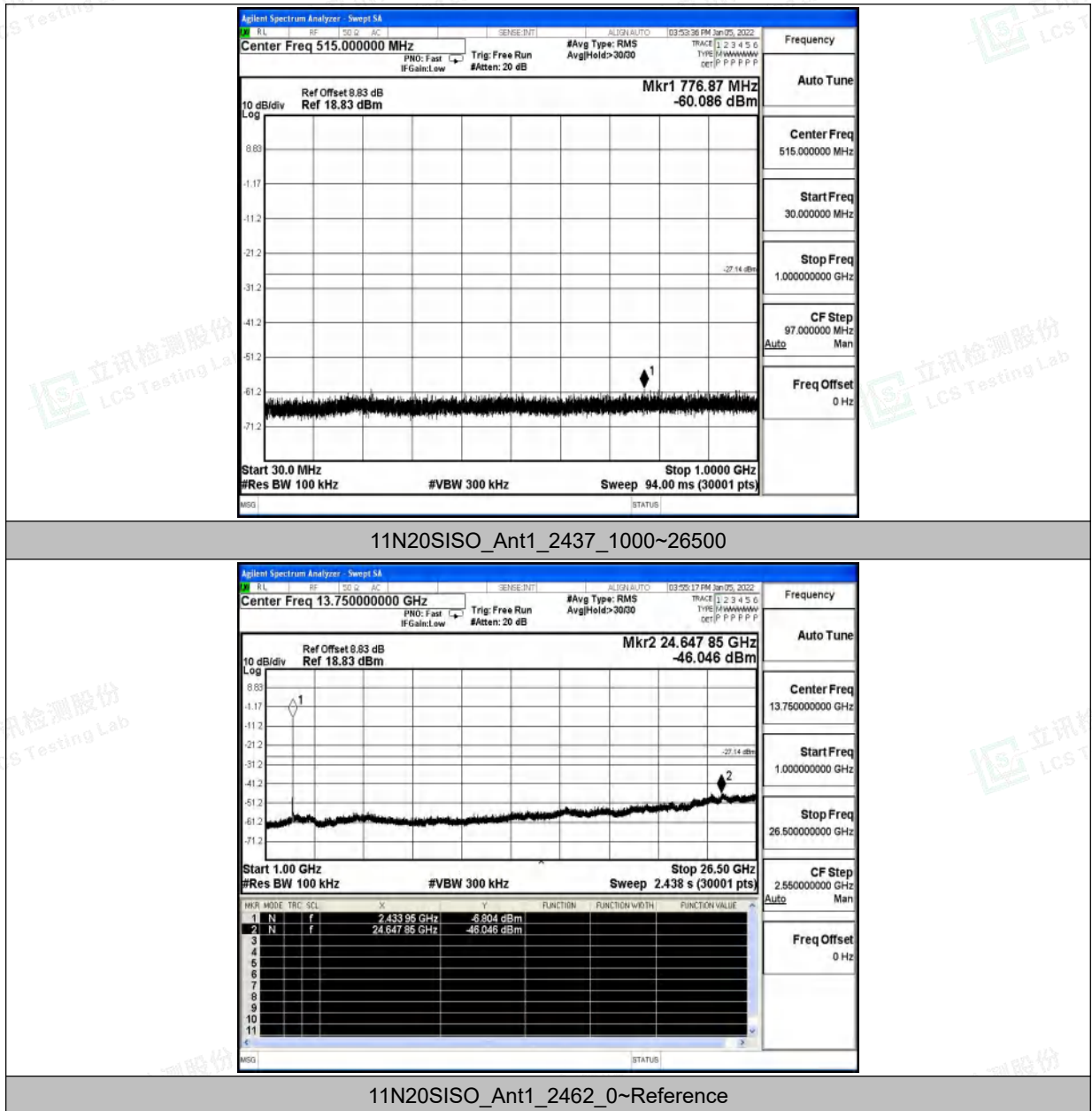


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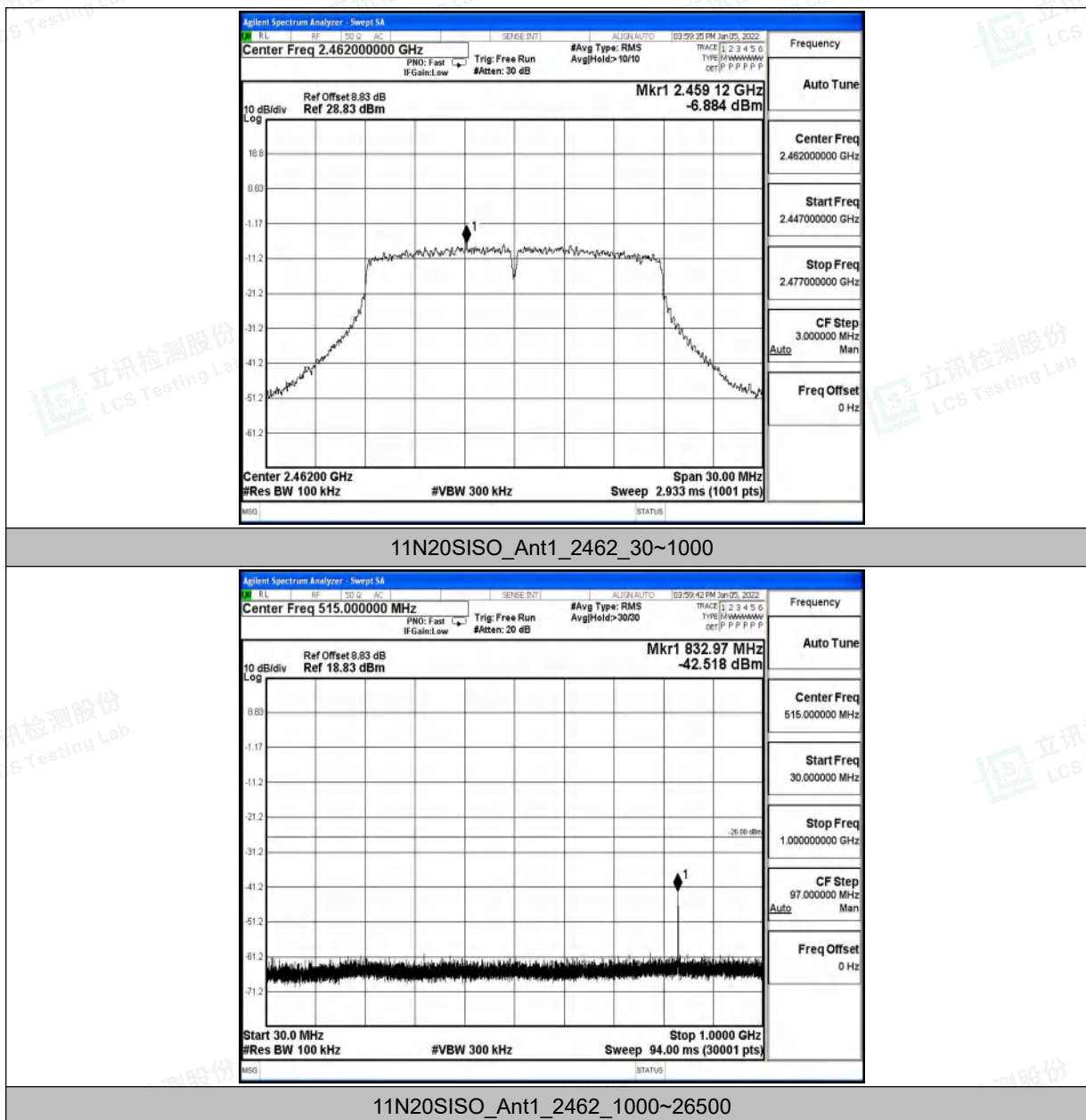


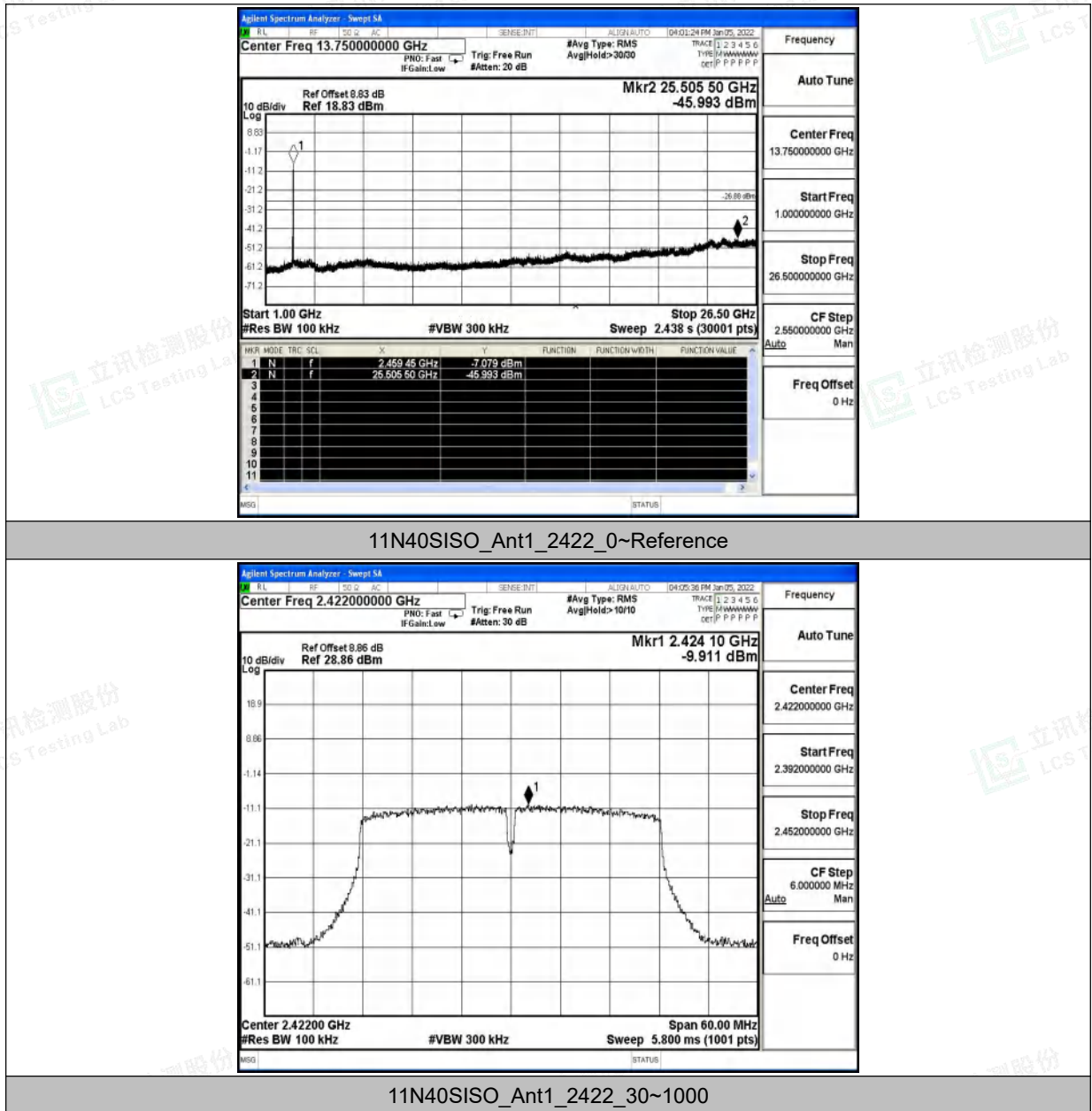
Shenzhen LCS Compliance Testing Laboratory Ltd.

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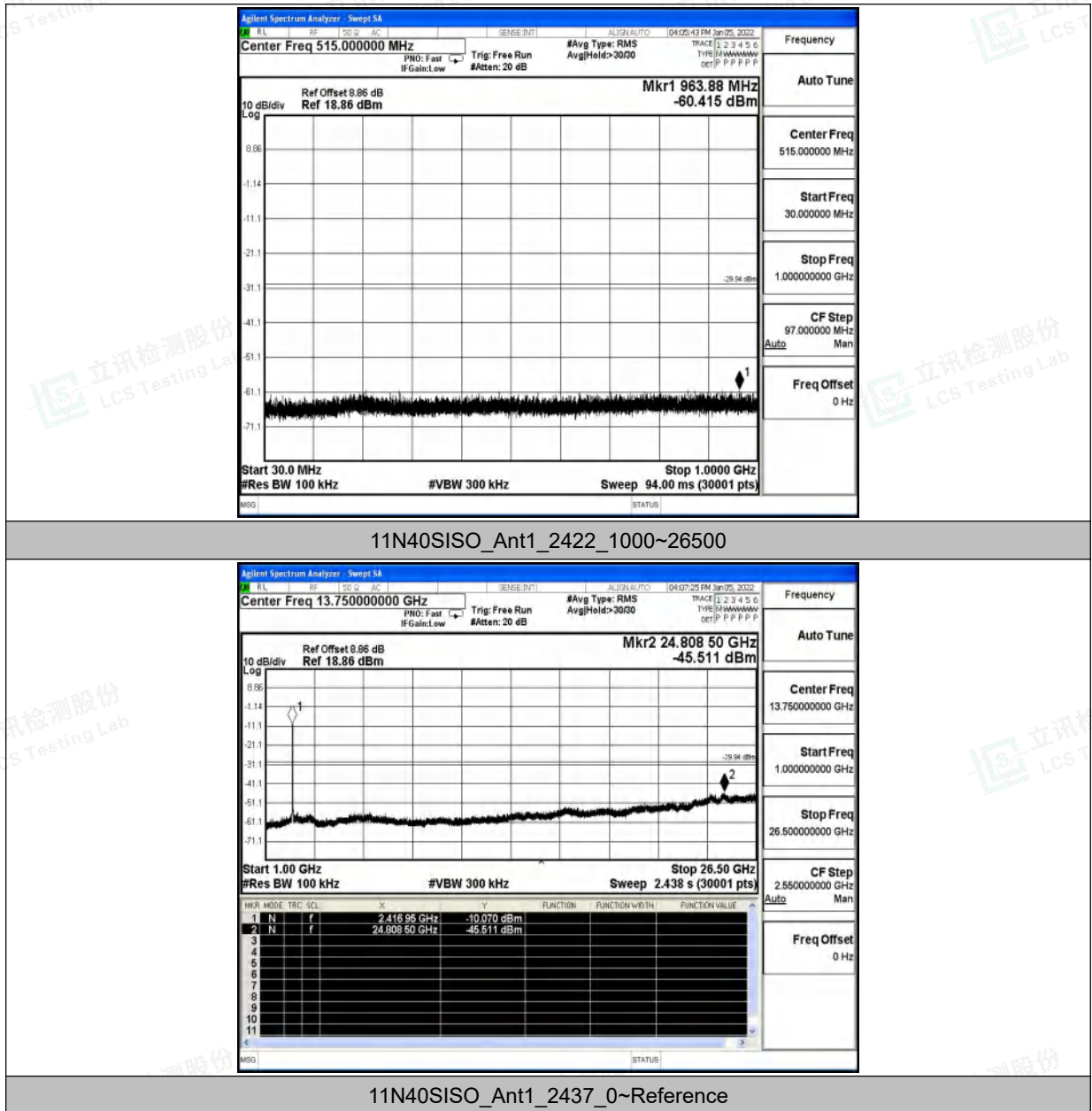


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Scan code to check authenticity

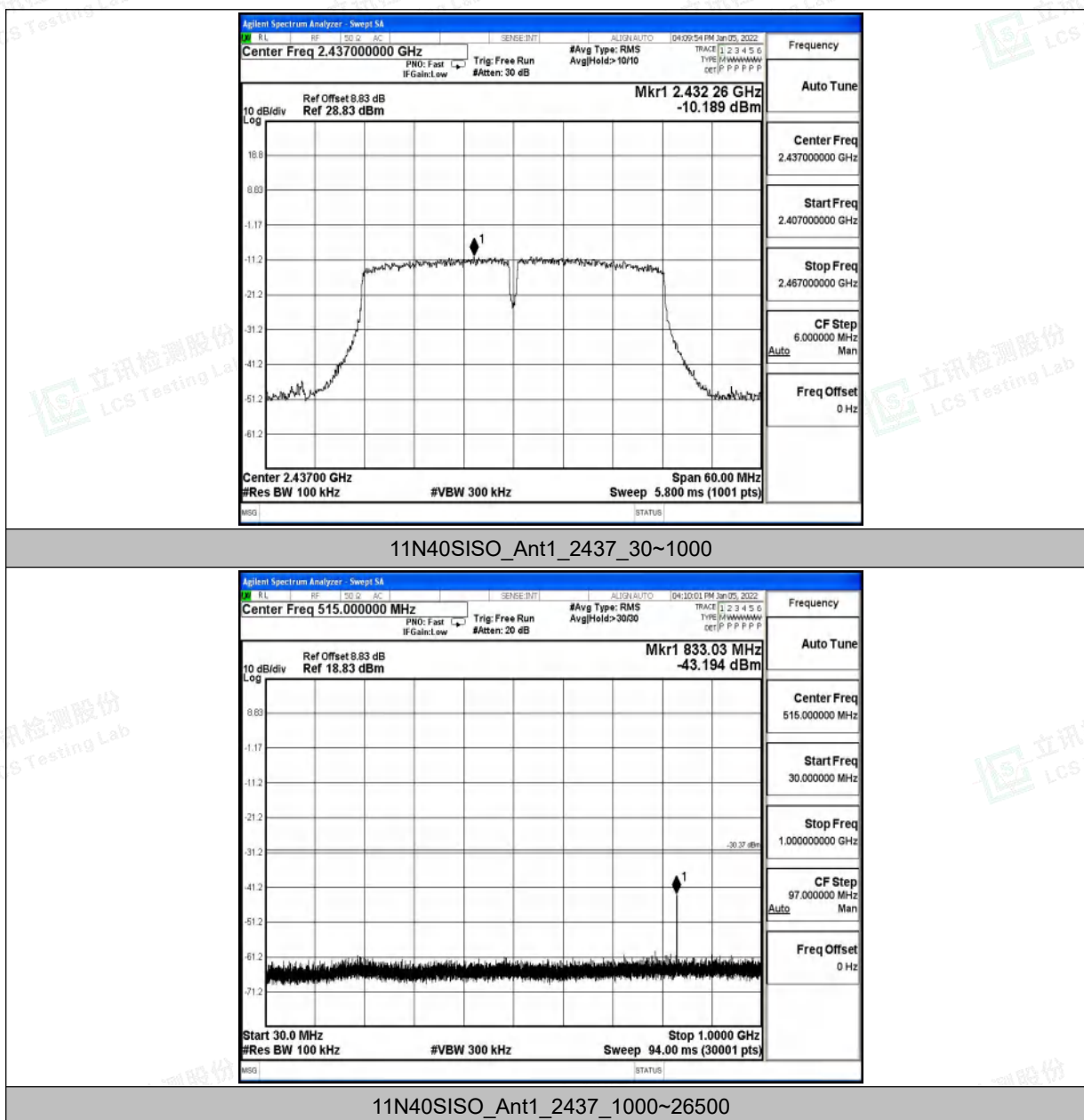


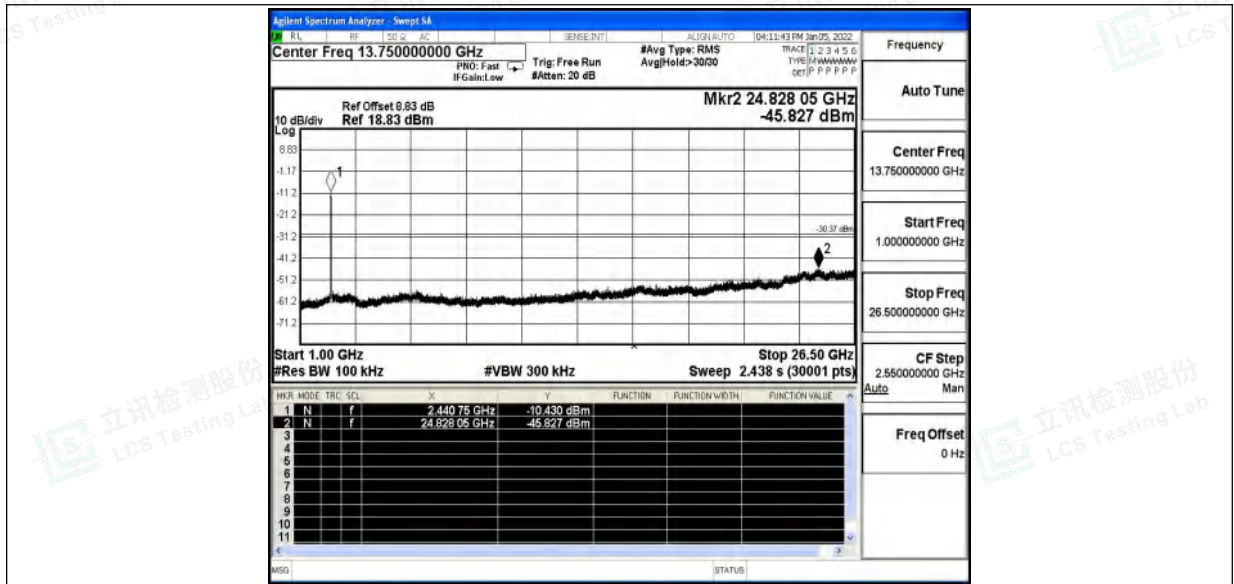
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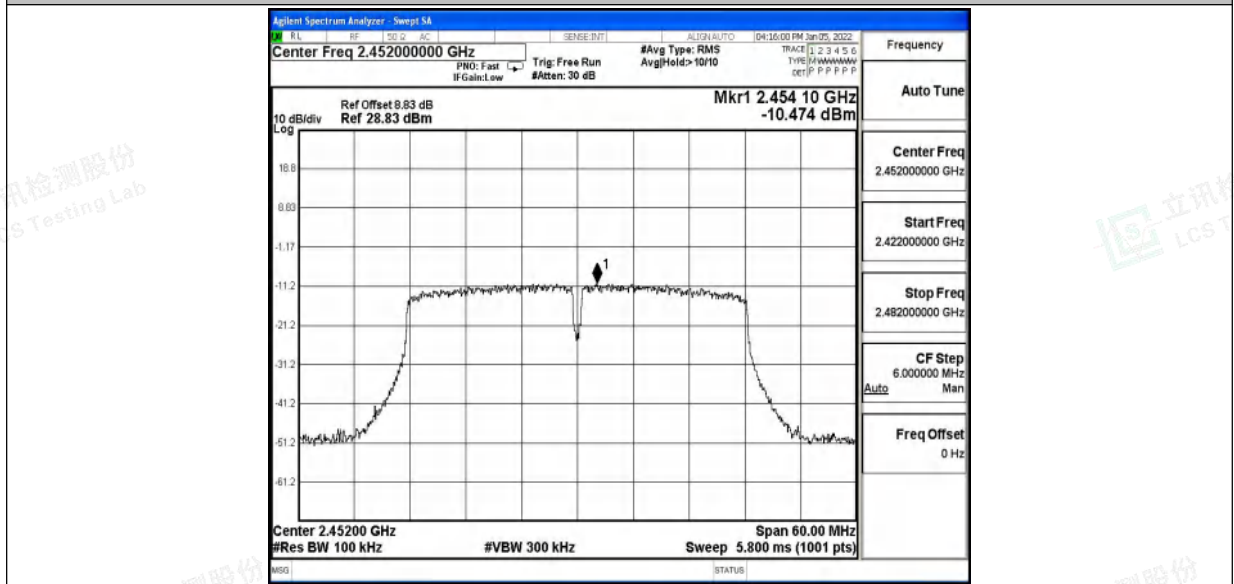
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11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000

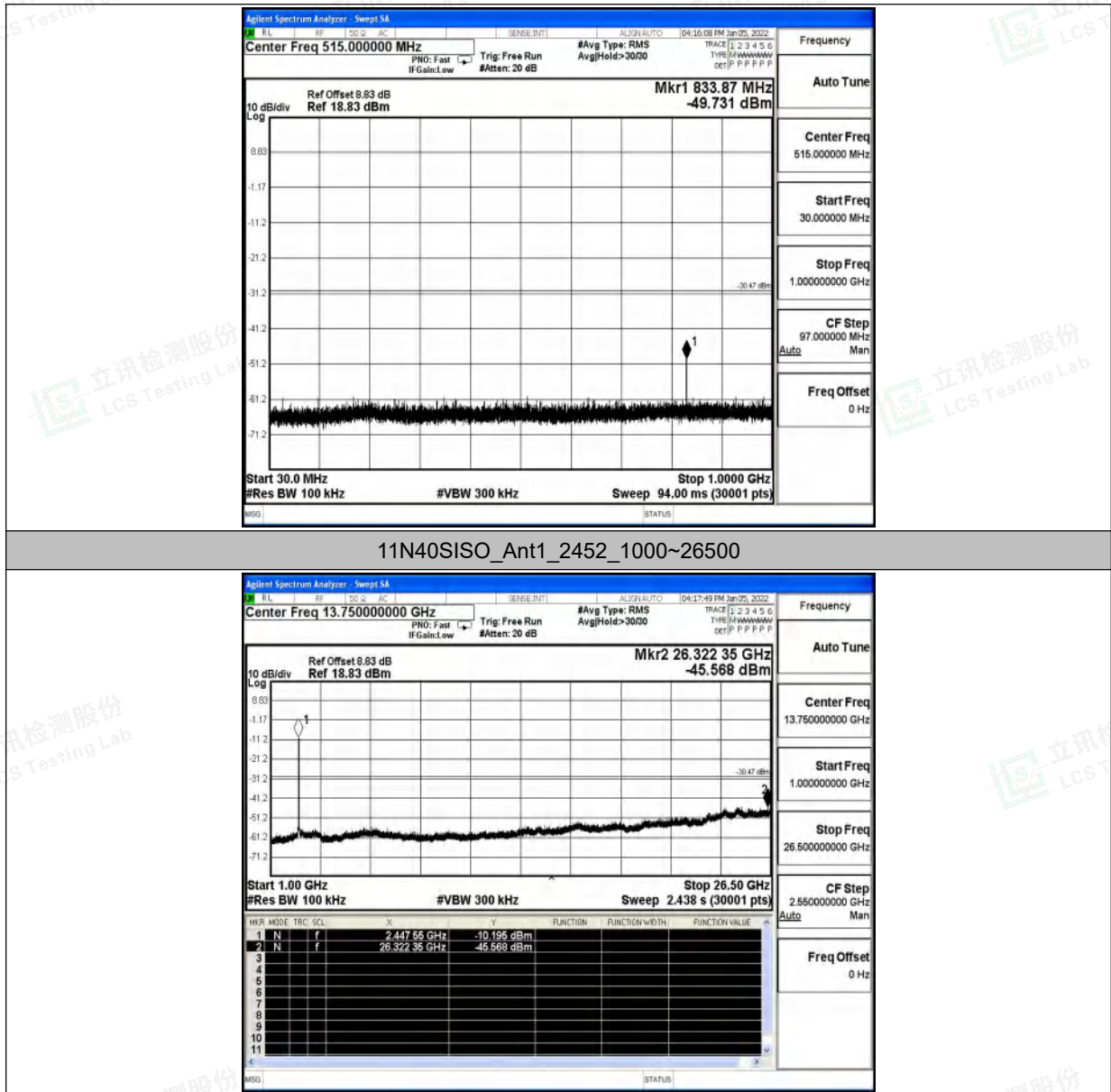


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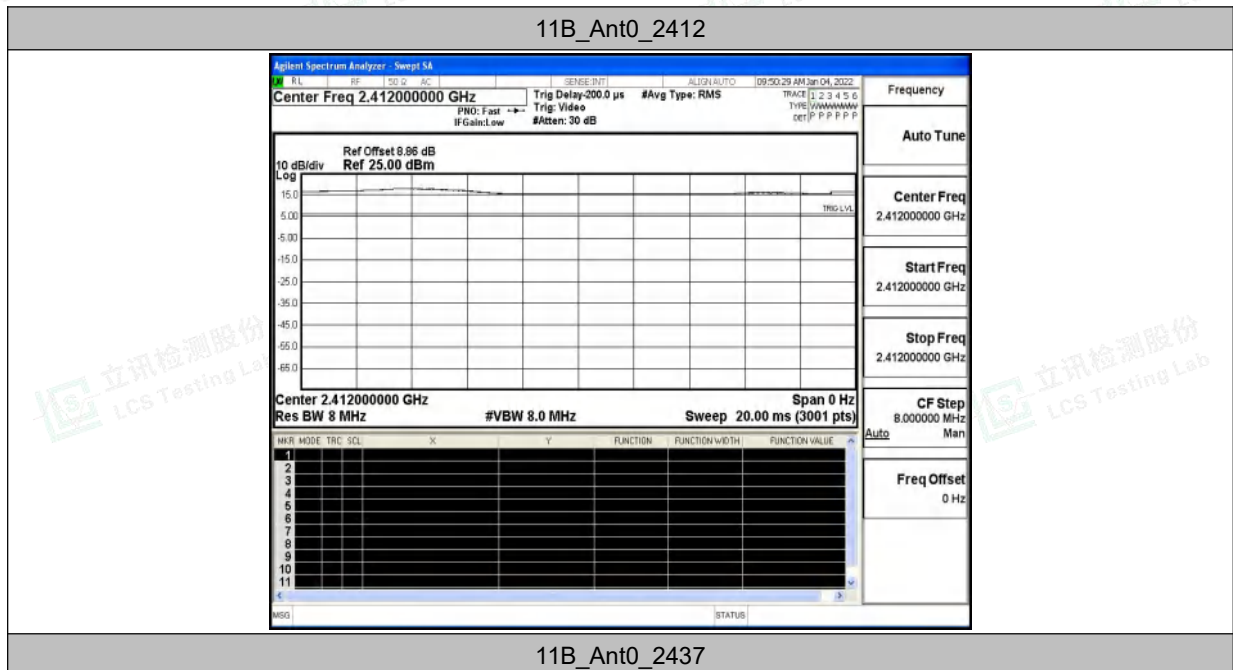


C.6 Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant0	2412	20.00	20.00	100.00	---	---
		2437	20.00	20.00	100.00	---	---
		2462	20.00	20.00	100.00	---	---
11G	Ant0	2412	20.00	20.00	100.00	---	---
		2437	20.00	20.00	100.00	---	---
		2462	20.00	20.00	100.00	---	---
11N20SISO	Ant0	2412	20.00	20.00	100.00	---	---
		2437	20.00	20.00	100.00	---	---
		2462	20.00	20.00	100.00	---	---
11N40SISO	Ant0	2422	20.00	20.00	100.00	---	---
		2437	20.00	20.00	100.00	---	---
		2452	20.00	20.00	100.00	---	---

Test Graphs

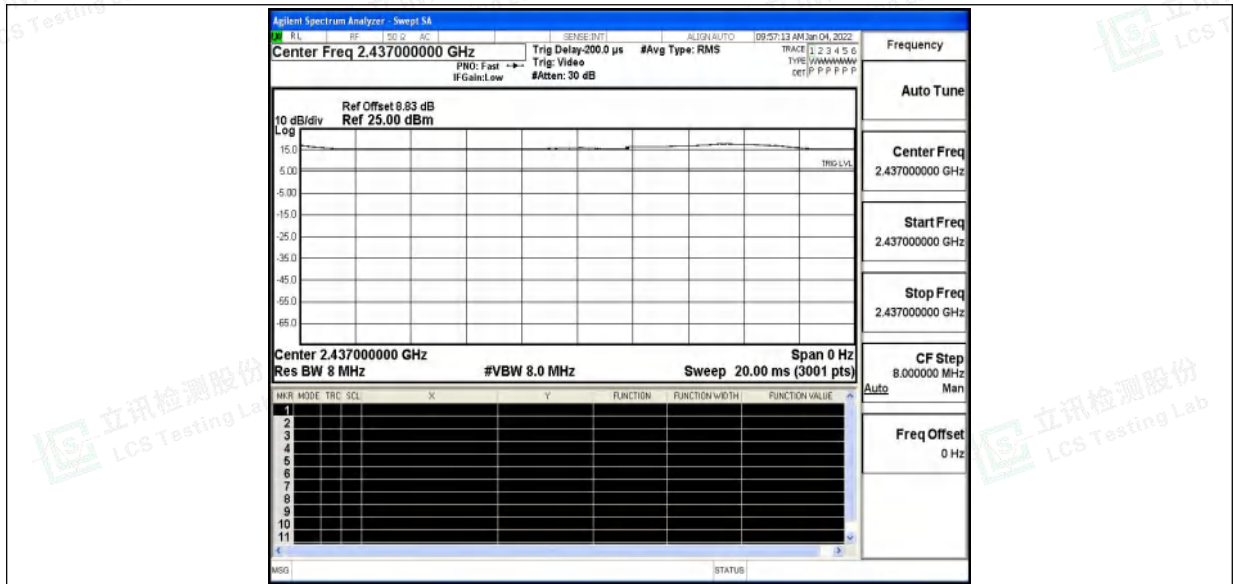


Shenzhen LCS Compliance Testing Laboratory Ltd.

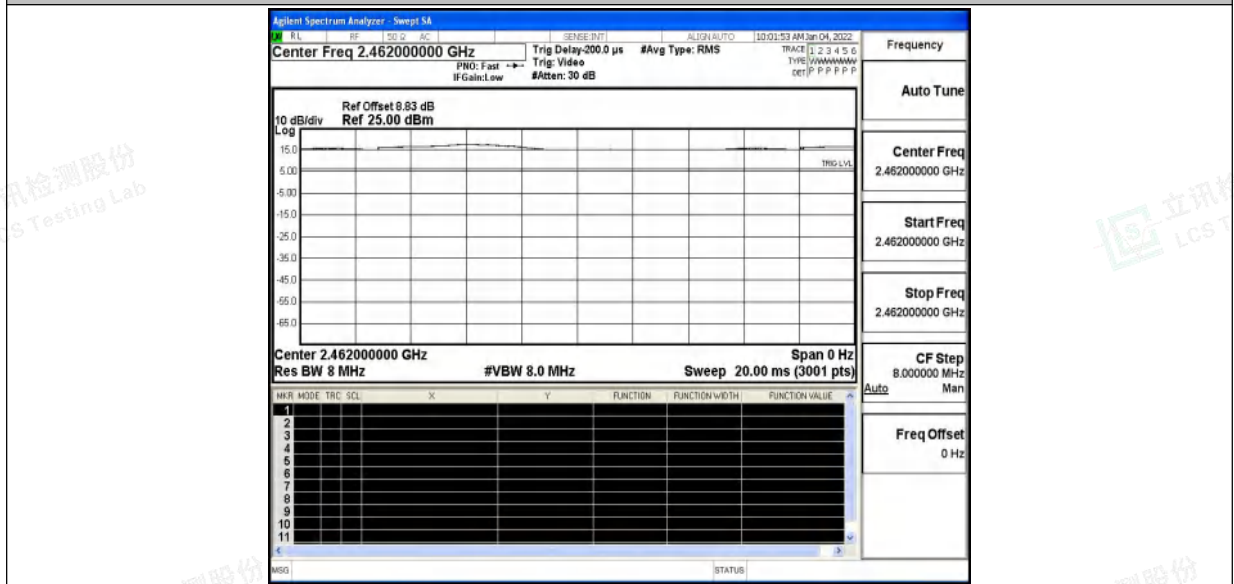
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11B_Ant0_2462



11G_Ant0_2412

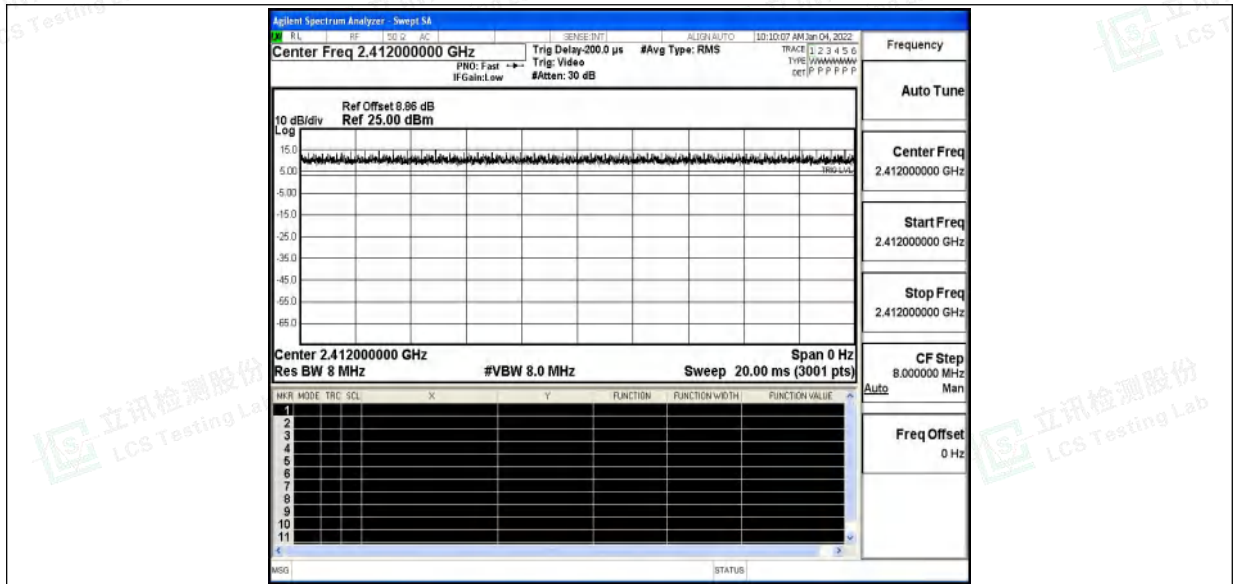


Shenzhen LCS Compliance Testing Laboratory Ltd.

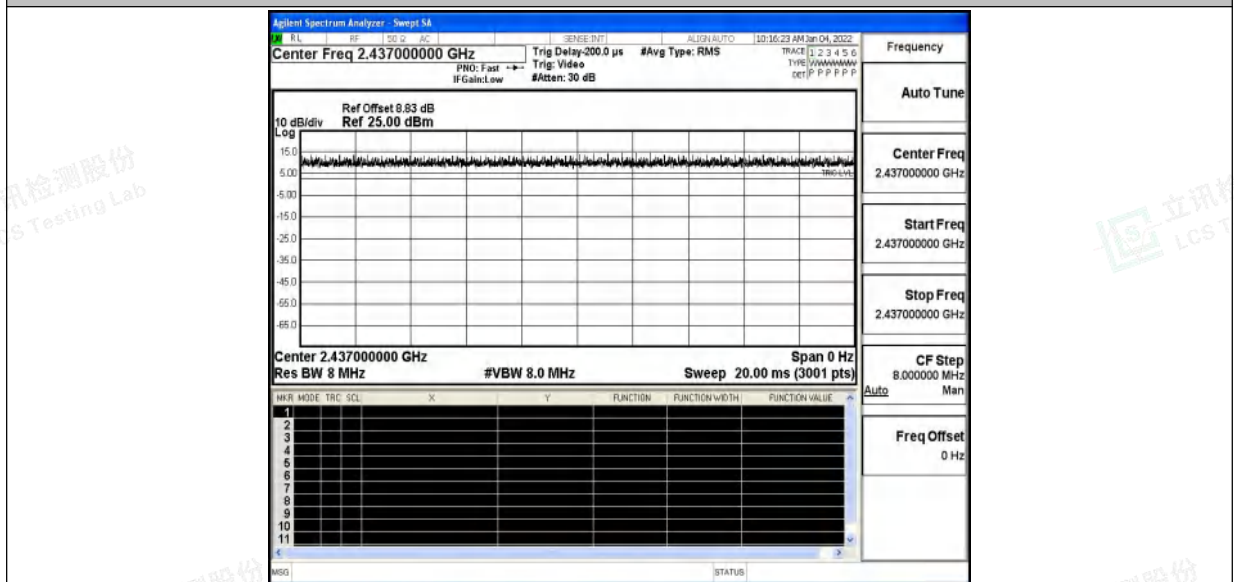
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11G_Ant0_2437



11G_Ant0_2462

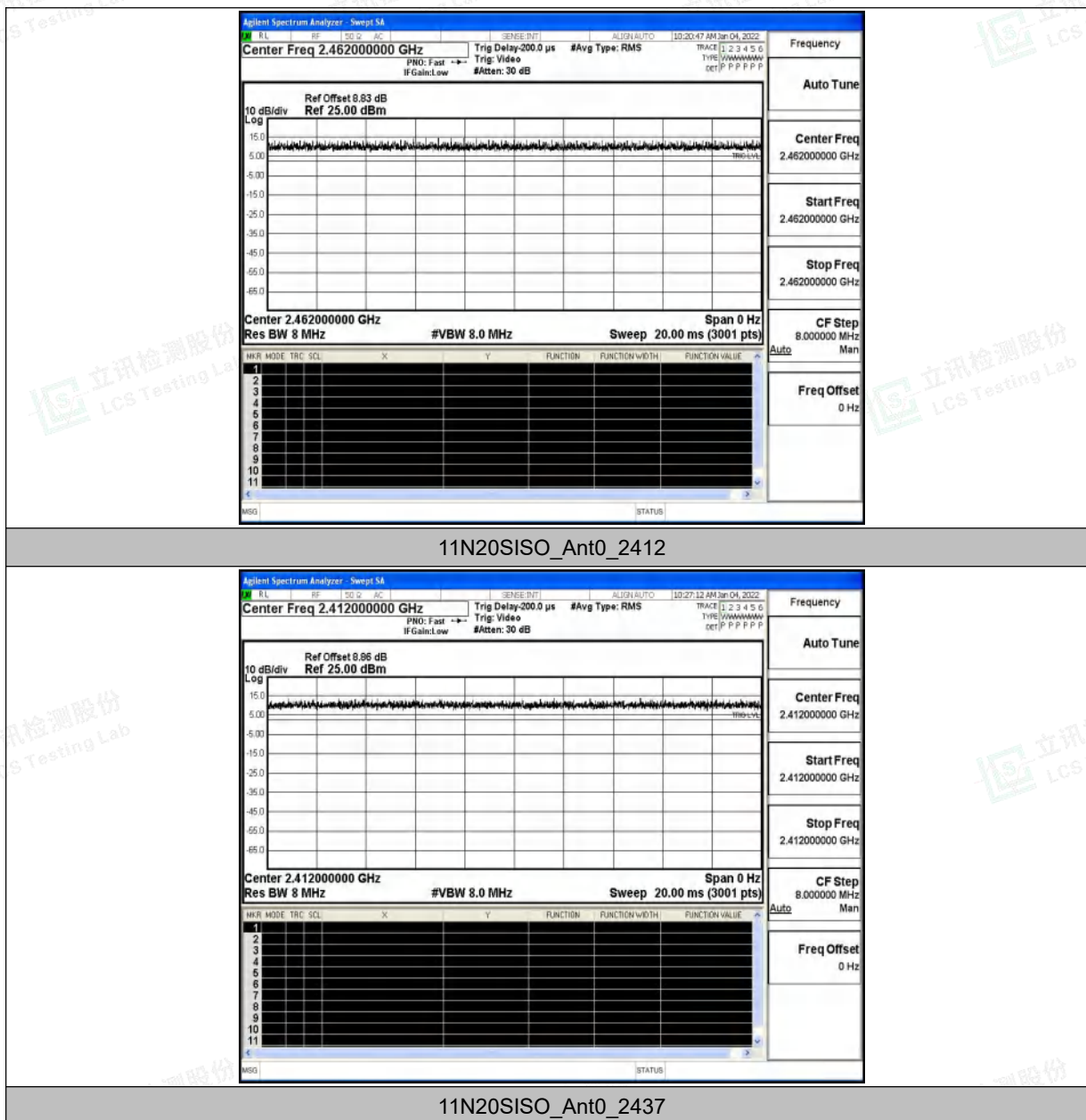


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Scan code to check authenticity

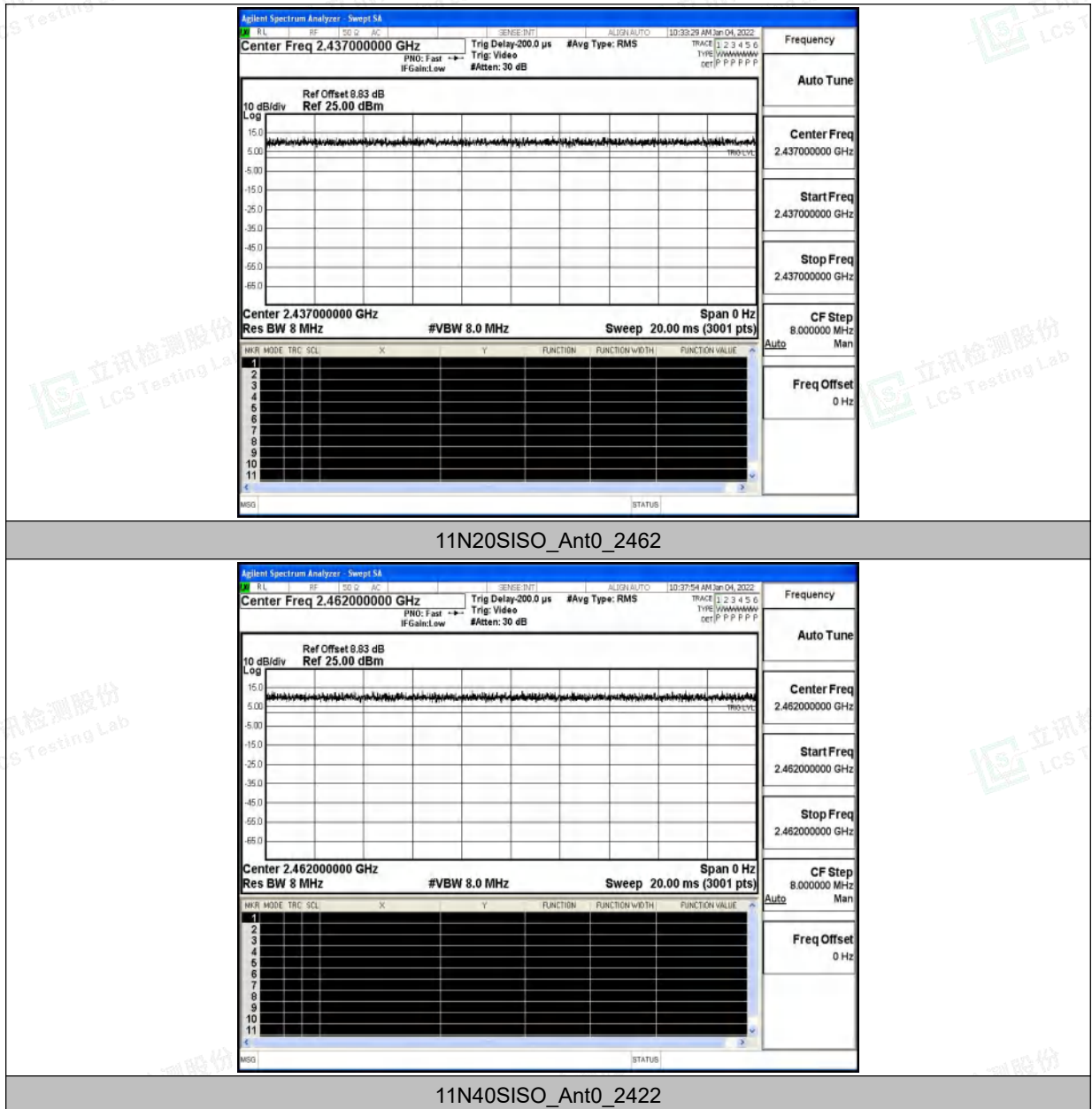


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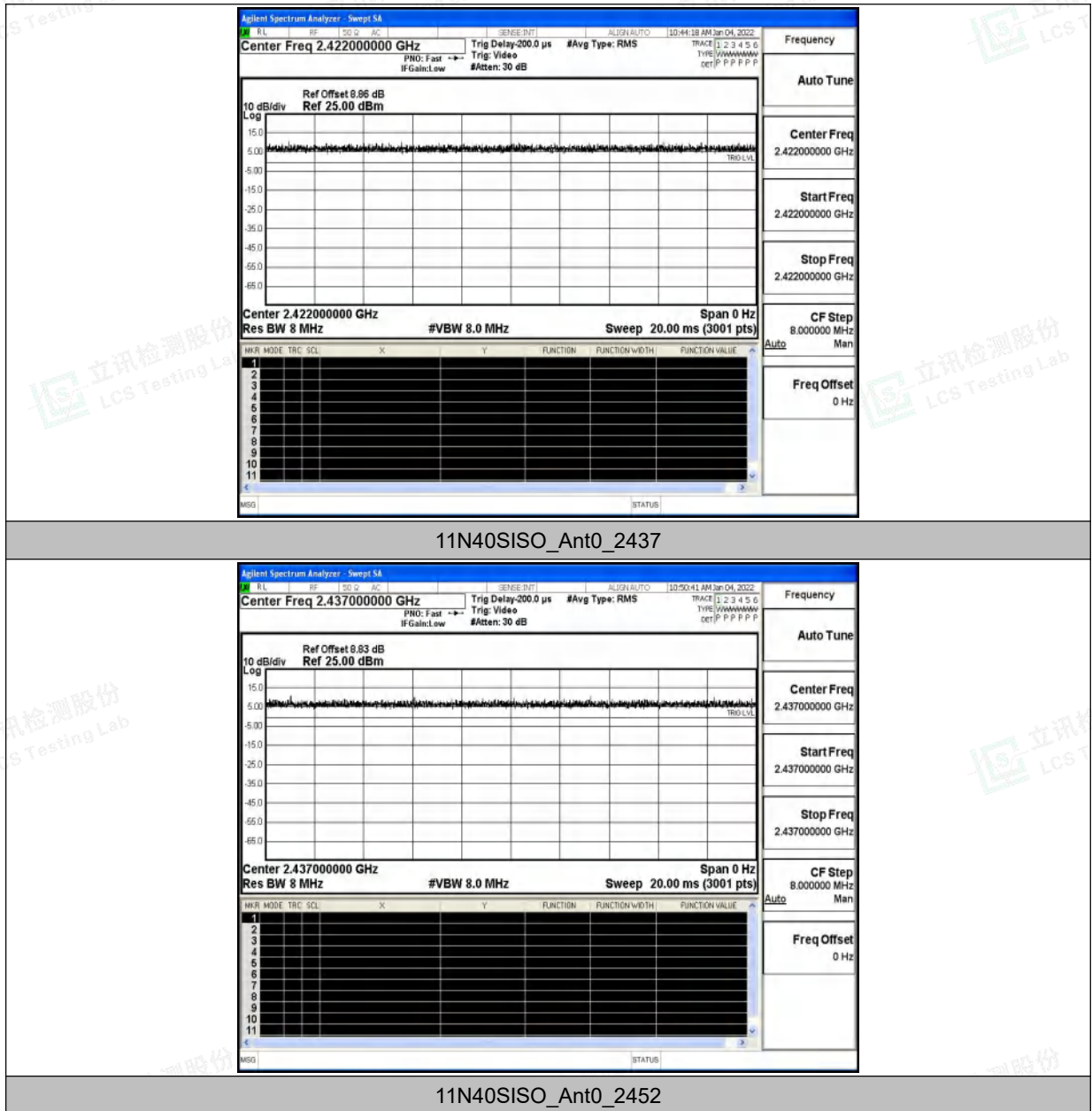


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Scan code to check authenticity

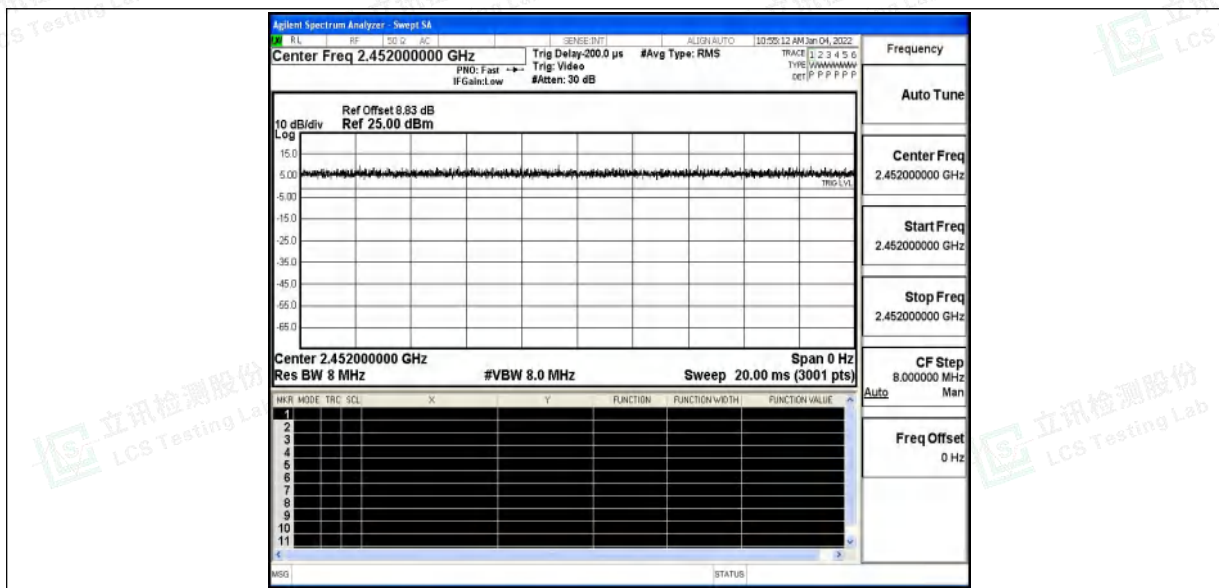


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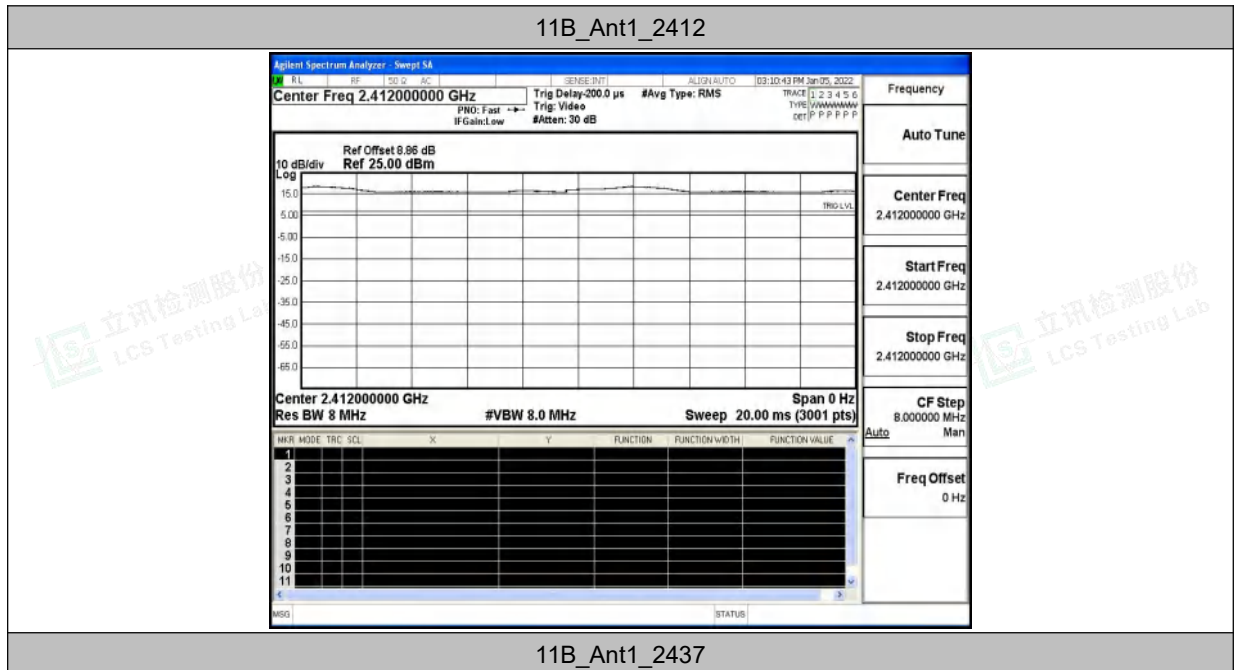
Scan code to check authenticity

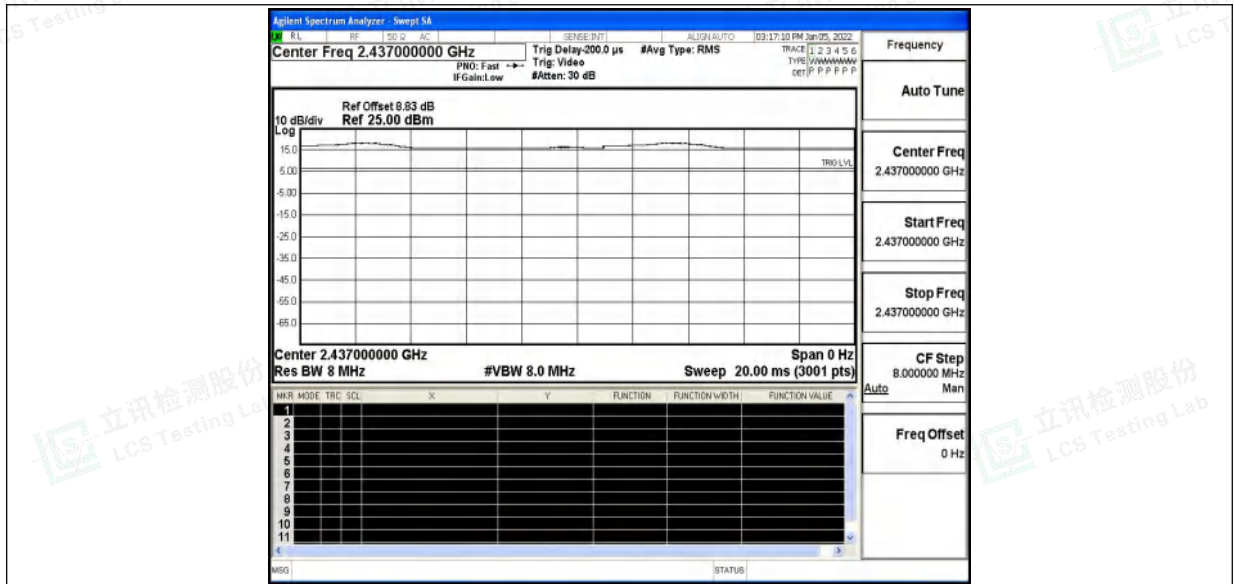




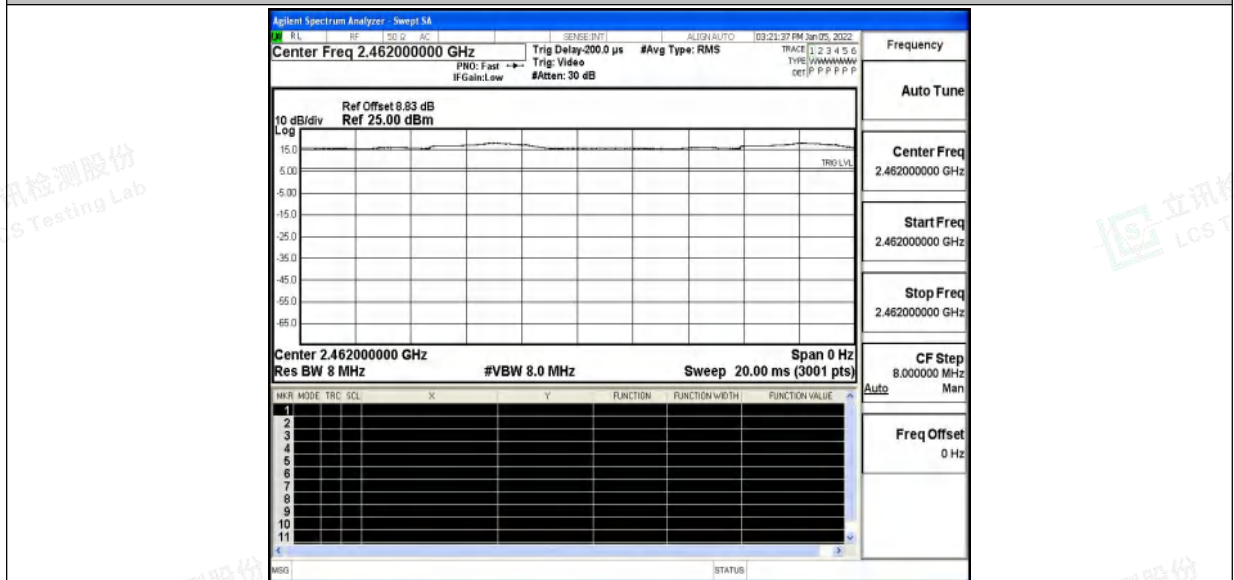
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	20.00	20.00	100.00	---	---
		2437	20.00	20.00	100.00	---	---
		2462	20.00	20.00	100.00	---	---
11G	Ant1	2412	20.00	20.00	100.00	---	---
		2437	20.00	20.00	100.00	---	---
		2462	20.00	20.00	100.00	---	---
11N20SISO	Ant1	2412	20.00	20.00	100.00	---	---
		2437	20.00	20.00	100.00	---	---
		2462	20.00	20.00	100.00	---	---
11N40SISO	Ant1	2422	20.00	20.00	100.00	---	---
		2437	20.00	20.00	100.00	---	---
		2452	20.00	20.00	100.00	---	---

Test Graphs



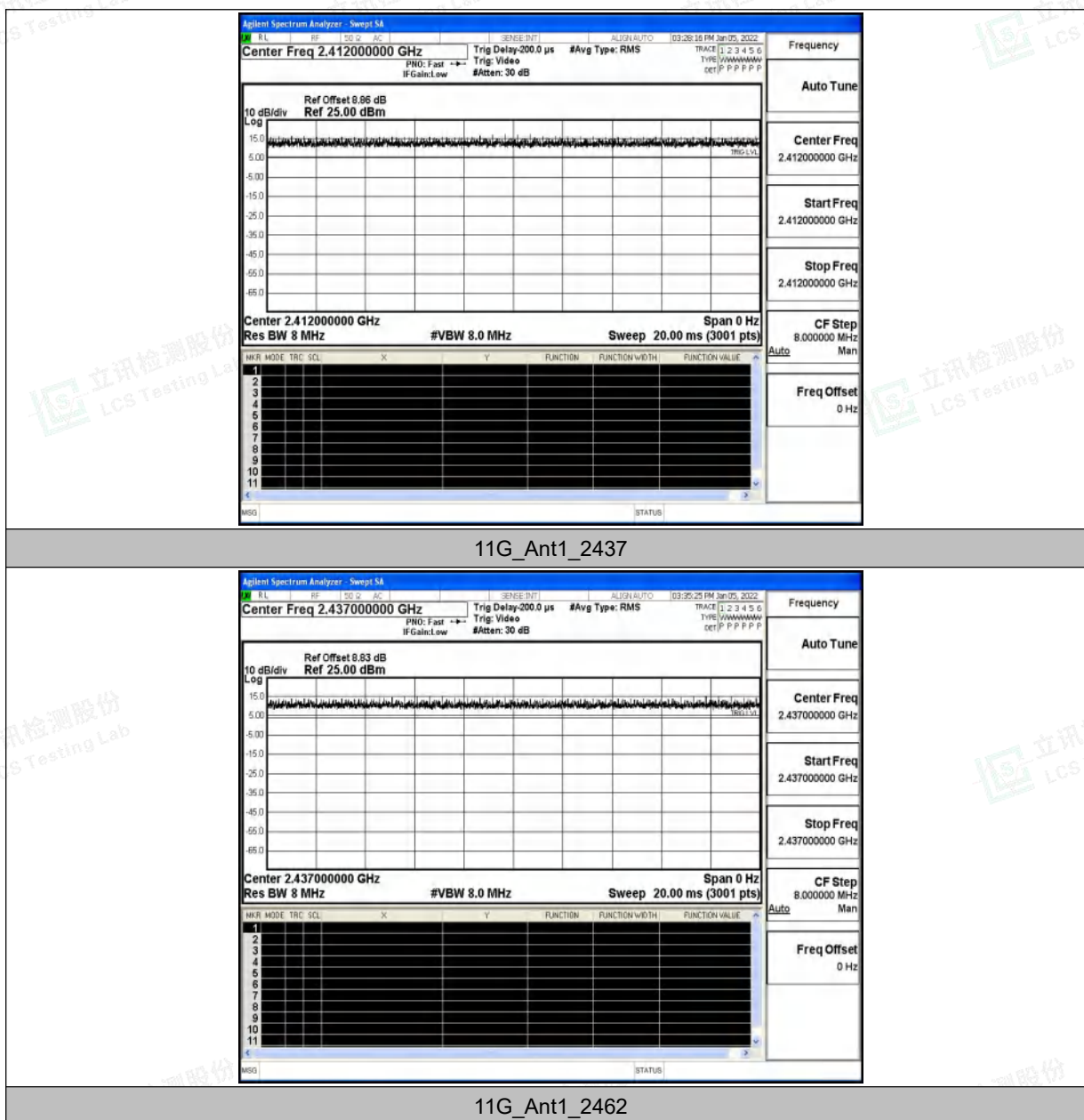


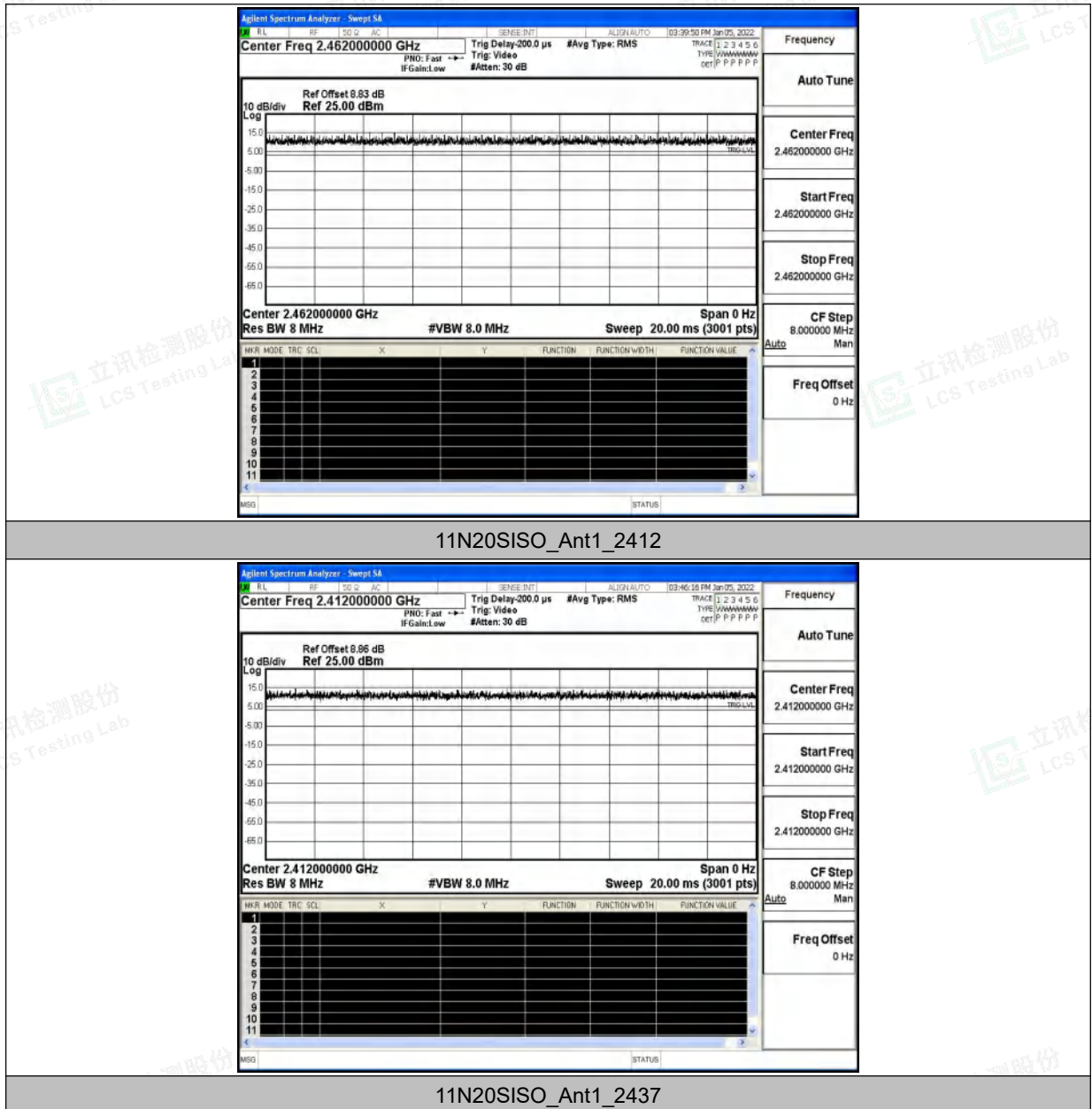
11B_Ant1_2462



11G_Ant1_2412





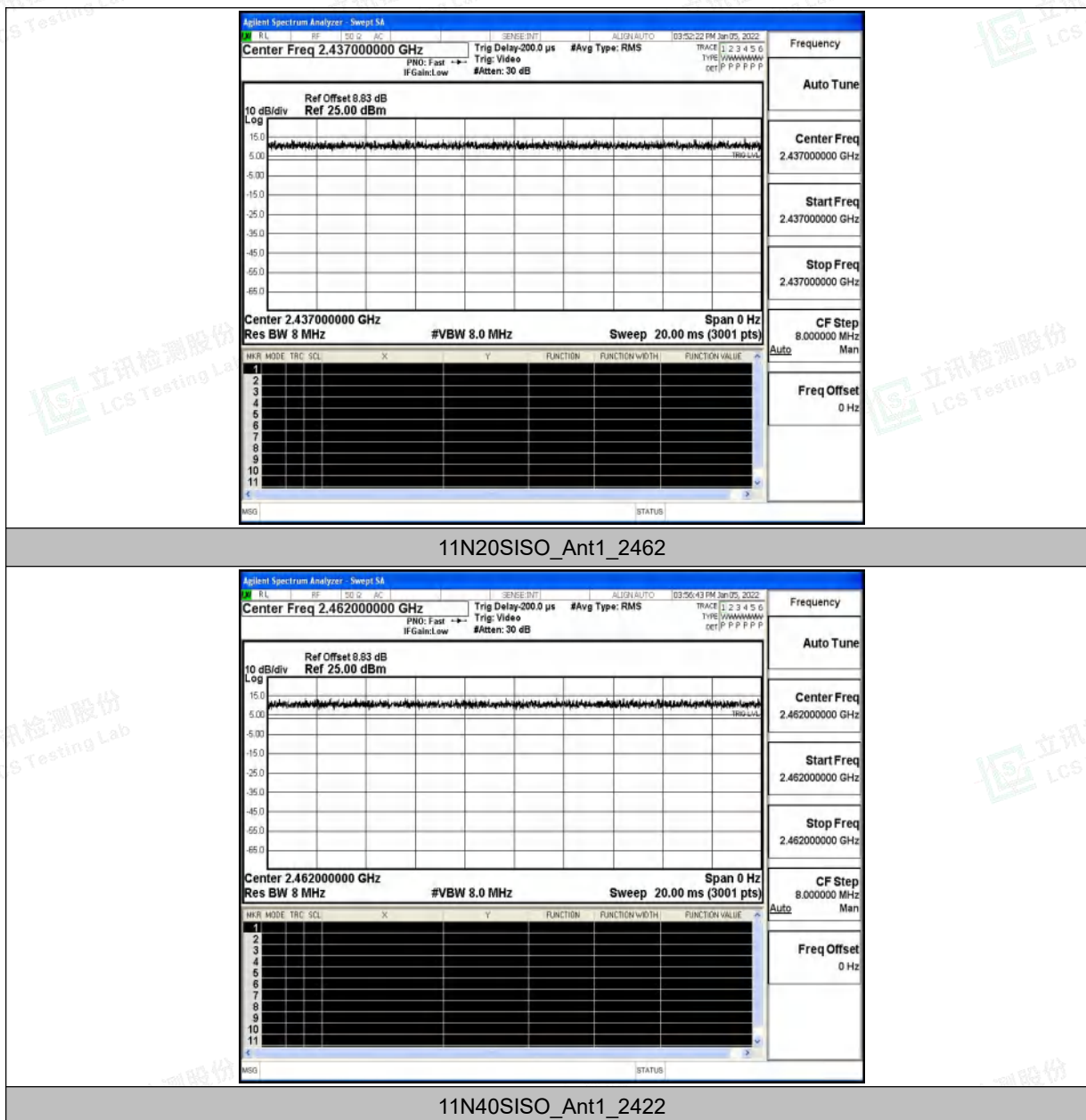


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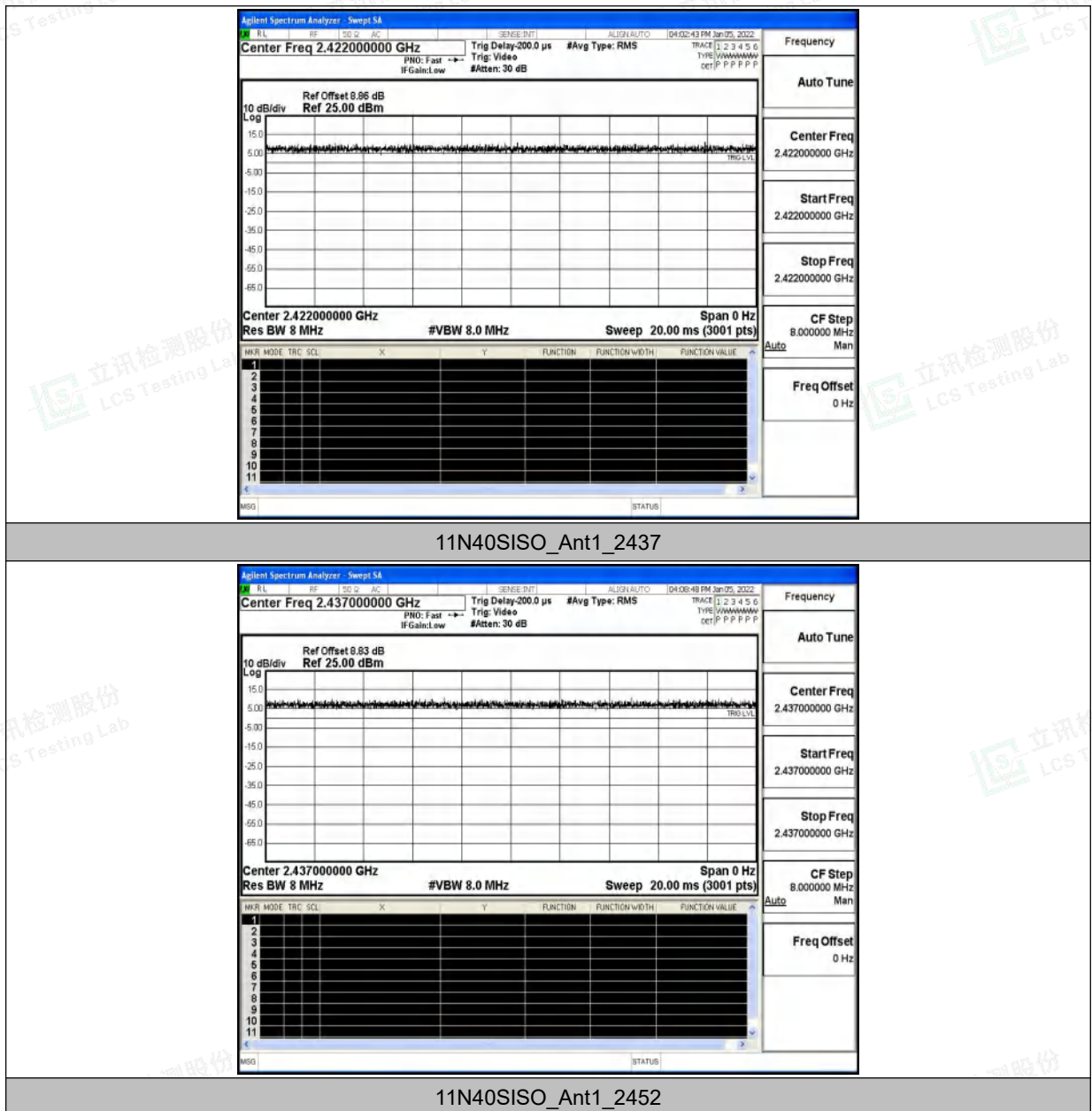


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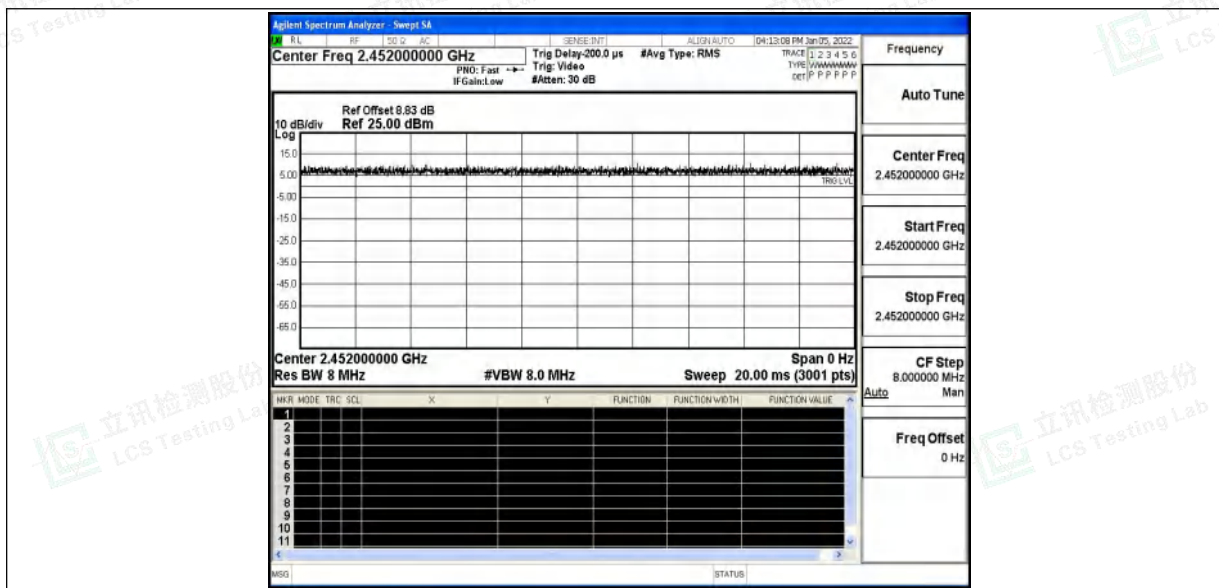


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C.7 Emissions in Restricted Bands

Test Result

TestMode	Antenna	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant0	2412	AV	2310.000	-47.8	≤-41.20	47.40	≤54	PASS
			AV	2386.320	-46.75	≤-41.20	48.45	≤54	PASS
			AV	2390.000	-46.83	≤-41.20	48.37	≤54	PASS
			Peak	2310.000	-37.44	≤-21.20	57.76	≤74	PASS
			Peak	2369.550	-35.06	≤-21.20	60.14	≤74	PASS
			Peak	2390.000	-36.52	≤-21.20	58.68	≤74	PASS
		2462	AV	2483.500	-46.74	≤-41.20	48.46	≤54	PASS
			AV	2484.550	-46.66	≤-41.20	48.54	≤54	PASS
			AV	2500.000	-46.85	≤-41.20	48.35	≤54	PASS
			Peak	2483.500	-36.72	≤-21.20	58.48	≤74	PASS
			Peak	2492.690	-35.03	≤-21.20	60.17	≤74	PASS
			Peak	2500.000	-36.63	≤-21.20	58.57	≤74	PASS
11G	Ant0	2412	AV	2310.000	-48.22	≤-41.20	46.98	≤54	PASS
			AV	2389.310	-47.68	≤-41.20	47.52	≤54	PASS
			AV	2390.000	-47.7	≤-41.20	47.50	≤54	PASS
			Peak	2310.000	-37	≤-21.20	58.20	≤74	PASS
			Peak	2383.070	-36.01	≤-21.20	59.19	≤74	PASS
			Peak	2390.000	-37.55	≤-21.20	57.65	≤74	PASS
		2462	AV	2483.500	-47.54	≤-41.20	47.66	≤54	PASS
			AV	2498.190	-47.38	≤-41.20	47.82	≤54	PASS
			AV	2500.000	-47.41	≤-41.20	47.79	≤54	PASS
			Peak	2483.500	-37.36	≤-21.20	57.84	≤74	PASS
			Peak	2495.220	-35.09	≤-21.20	60.11	≤74	PASS
			Peak	2500.000	-36.63	≤-21.20	58.57	≤74	PASS
11N20SISO	Ant0	2412	AV	2310.000	-48.23	≤-41.20	46.97	≤54	PASS
			AV	2389.960	-47.66	≤-41.20	47.54	≤54	PASS
			AV	2390.000	-47.66	≤-41.20	47.54	≤54	PASS
			Peak	2310.000	-38.02	≤-21.20	57.18	≤74	PASS
			Peak	2382.160	-35.64	≤-21.20	59.56	≤74	PASS
			Peak	2390.000	-36.11	≤-21.20	59.09	≤74	PASS
		2462	AV	2483.500	-47.49	≤-41.20	47.71	≤54	PASS
			AV	2499.950	-47.35	≤-41.20	47.85	≤54	PASS
			AV	2500.000	-47.35	≤-41.20	47.85	≤54	PASS



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11N40SISO	Ant0		Peak	2483.500	-36.73	≤-21.20	58.47	≤74	PASS
			Peak	2487.190	-35.16	≤-21.20	60.04	≤74	PASS
			Peak	2500.000	-36.63	≤-21.20	58.57	≤74	PASS
		2422	AV	2310.000	-48.18	≤-41.20	47.02	≤54	PASS
			AV	2389.830	-47.32	≤-41.20	47.88	≤54	PASS
			AV	2390.000	-47.34	≤-41.20	47.86	≤54	PASS
			Peak	2310.000	-38.24	≤-21.20	56.96	≤74	PASS
			Peak	2363.310	-35.74	≤-21.20	59.46	≤74	PASS
			Peak	2390.000	-36.58	≤-21.20	58.62	≤74	PASS
		2452	AV	2483.500	-47.37	≤-41.20	47.83	≤54	PASS
			AV	2499.730	-47.32	≤-41.20	47.88	≤54	PASS
			AV	2500.000	-47.33	≤-41.20	47.87	≤54	PASS
			Peak	2483.500	-36.79	≤-21.20	58.41	≤74	PASS
			Peak	2491.260	-35.28	≤-21.20	59.92	≤74	PASS
			Peak	2500.000	-36.43	≤-21.20	58.77	≤74	PASS

TestMode	Antenna	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	2412	AV	2310.000	-47.77	≤-41.20	47.43	≤54	PASS
			AV	2385.800	-46.68	≤-41.20	48.52	≤54	PASS
			AV	2390.000	-46.74	≤-41.20	48.46	≤54	PASS
			Peak	2310.000	-36.69	≤-21.20	58.51	≤74	PASS
			Peak	2387.620	-34.97	≤-21.20	60.23	≤74	PASS
			Peak	2390.000	-36.74	≤-21.20	58.46	≤74	PASS
		2462	AV	2483.500	-46.75	≤-41.20	48.45	≤54	PASS
			AV	2487.740	-46.66	≤-41.20	48.54	≤54	PASS
			AV	2500.000	-46.88	≤-41.20	48.32	≤54	PASS
			Peak	2483.500	-35.73	≤-21.20	59.47	≤74	PASS
			Peak	2488.510	-34.85	≤-21.20	60.35	≤74	PASS
			Peak	2500.000	-36.57	≤-21.20	58.63	≤74	PASS
11G	Ant1	2412	AV	2310.000	-48.19	≤-41.20	47.01	≤54	PASS
			AV	2389.960	-47.67	≤-41.20	47.53	≤54	PASS
			AV	2390.000	-47.67	≤-41.20	47.53	≤54	PASS
			Peak	2310.000	-38.41	≤-21.20	56.79	≤74	PASS
			Peak	2322.360	-35.85	≤-21.20	59.35	≤74	PASS
			Peak	2390.000	-36.92	≤-21.20	58.28	≤74	PASS
		2462	AV	2483.500	-47.53	≤-41.20	47.67	≤54	PASS
			AV	2499.620	-47.4	≤-41.20	47.80	≤54	PASS



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			AV	2500.000	-47.41	≤-41.20	47.79	≤54	PASS
			Peak	2483.500	-36.55	≤-21.20	58.65	≤74	PASS
			Peak	2487.630	-35.37	≤-21.20	59.83	≤74	PASS
			Peak	2500.000	-36.76	≤-21.20	58.44	≤74	PASS
11N20SISO	Ant1	2412	AV	2310.000	-48.23	≤-41.20	46.97	≤54	PASS
			AV	2389.960	-47.64	≤-41.20	47.56	≤54	PASS
			AV	2390.000	-47.64	≤-41.20	47.56	≤54	PASS
			Peak	2310.000	-36.82	≤-21.20	58.38	≤74	PASS
			Peak	2382.290	-35.69	≤-21.20	59.51	≤74	PASS
			Peak	2390.000	-36.28	≤-21.20	58.92	≤74	PASS
		2462	AV	2483.500	-47.5	≤-41.20	47.70	≤54	PASS
			AV	2499.290	-47.39	≤-41.20	47.81	≤54	PASS
			AV	2500.000	-47.42	≤-41.20	47.78	≤54	PASS
			Peak	2483.500	-37.13	≤-21.20	58.07	≤74	PASS
			Peak	2491.920	-35.38	≤-21.20	59.82	≤74	PASS
			Peak	2500.000	-37.07	≤-21.20	58.13	≤74	PASS
11N40SISO	Ant1	2422	AV	2310.000	-48.2	≤-41.20	47.00	≤54	PASS
			AV	2389.830	-47.29	≤-41.20	47.91	≤54	PASS
			AV	2390.000	-47.32	≤-41.20	47.88	≤54	PASS
			Peak	2310.000	-37.33	≤-21.20	57.87	≤74	PASS
			Peak	2385.670	-35.59	≤-21.20	59.61	≤74	PASS
			Peak	2390.000	-36.96	≤-21.20	58.24	≤74	PASS
		2452	AV	2483.500	-47.17	≤-41.20	48.03	≤54	PASS
			AV	2483.670	-47.15	≤-41.20	48.05	≤54	PASS
			AV	2500.000	-47.3	≤-41.20	47.90	≤54	PASS
			Peak	2483.500	-37.03	≤-21.20	58.17	≤74	PASS
			Peak	2496.100	-35.52	≤-21.20	59.68	≤74	PASS
			Peak	2500.000	-36.48	≤-21.20	58.72	≤74	PASS



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Combined Ant_0 and Ant_1

Test Mode	Freq.	Emissions Level (dBm)			Antenna Gain (dBi)	Ground Factor	E [dBuV/m]	Detector	Limit (dBuV/m)
		Ant0	Ant1	Sum					
11N20 MIMO	2310.000	-48.23	-48.23	-45.22	2.0	0	52.01	AV	≤54
	2389.180	-47.66	-47.64	-44.64	2.0	0	52.59	AV	≤54
	2390.000	-47.66	-47.64	-44.64	2.0	0	52.59	AV	≤54
	2310.000	-38.02	-36.82	-34.37	2.0	0	62.86	Peak	≤74
	2357.590	-35.64	-35.69	-32.65	2.0	0	64.57	Peak	≤74
	2390.000	-36.11	-36.28	-33.18	2.0	0	64.04	Peak	≤74
	2483.500	-47.49	-47.5	-44.48	2.0	0	52.74	AV	≤54
	2499.840	-47.35	-47.39	-44.36	2.0	0	52.87	AV	≤54
	2500.000	-47.35	-47.42	-44.37	2.0	0	52.85	AV	≤54
11N40 MIMO	2483.500	-36.73	-37.13	-33.92	2.0	0	63.31	Peak	≤74
	2497.750	-35.16	-35.38	-32.26	2.0	0	64.97	Peak	≤74
	2500.000	-36.63	-37.07	-33.83	2.0	0	63.39	Peak	≤74
	2310.000	-48.18	-48.2	-45.18	2.0	0	52.05	AV	≤54
	2389.700	-47.32	-47.29	-44.29	2.0	0	52.93	AV	≤54
	2390.000	-47.34	-47.32	-44.32	2.0	0	52.91	AV	≤54
	2310.000	-38.24	-37.33	-34.75	2.0	0	62.48	Peak	≤74
	2311.960	-35.74	-35.59	-32.65	2.0	0	64.57	Peak	≤74
	2390.000	-36.58	-36.96	-33.76	2.0	0	63.47	Peak	≤74
	2483.500	-47.37	-47.17	-44.26	2.0	0	52.97	AV	≤54
	2499.620	-47.32	-47.15	-44.22	2.0	0	53.00	AV	≤54
	2500.000	-47.33	-47.3	-44.30	2.0	0	52.92	AV	≤54
	2483.500	-36.79	-37.03	-33.90	2.0	0	63.33	Peak	≤74
	2492.250	-35.28	-35.52	-32.39	2.0	0	64.84	Peak	≤74
	2500.000	-36.43	-36.48	-33.44	2.0	0	63.78	Peak	≤74

Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



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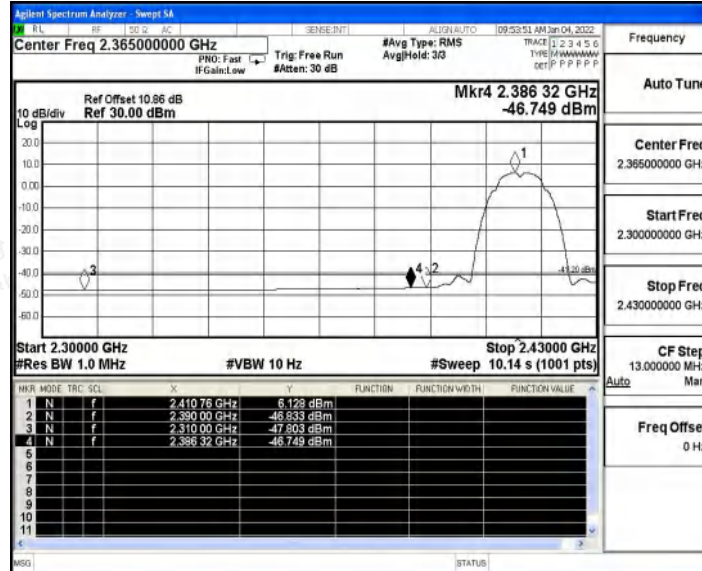
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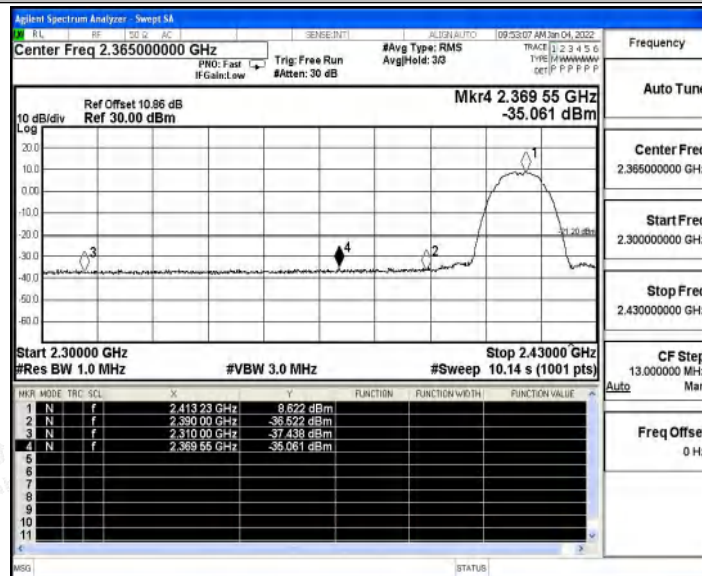


Test Graphs

11B_Ant0_Low_2412_AV



11B_Ant0_Low_2412_Peak



11B_Ant0_High_2462_AV

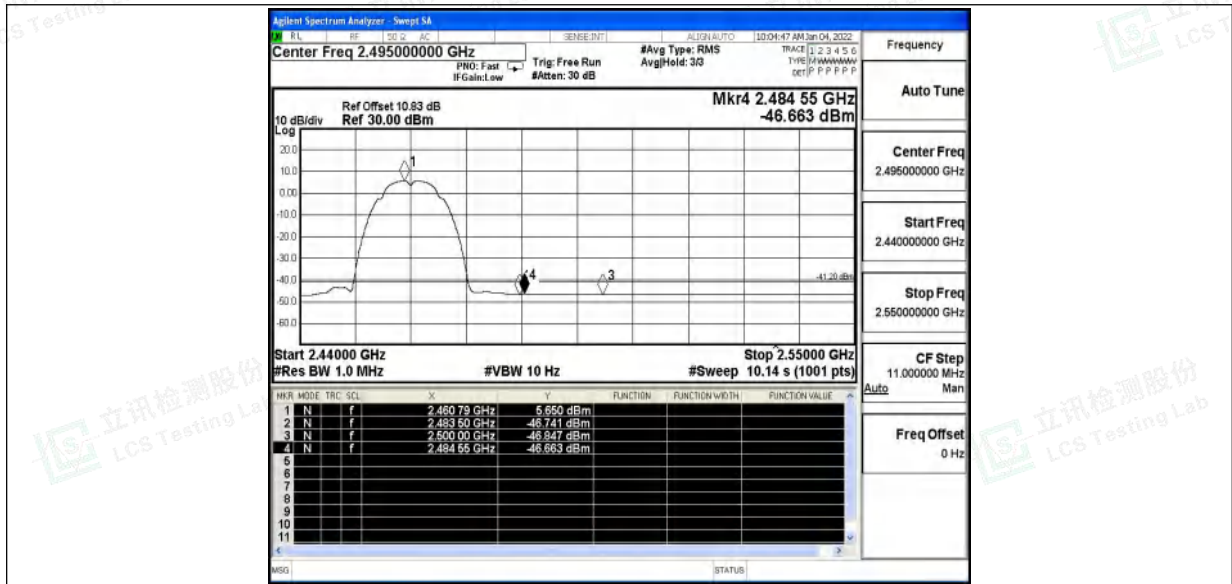


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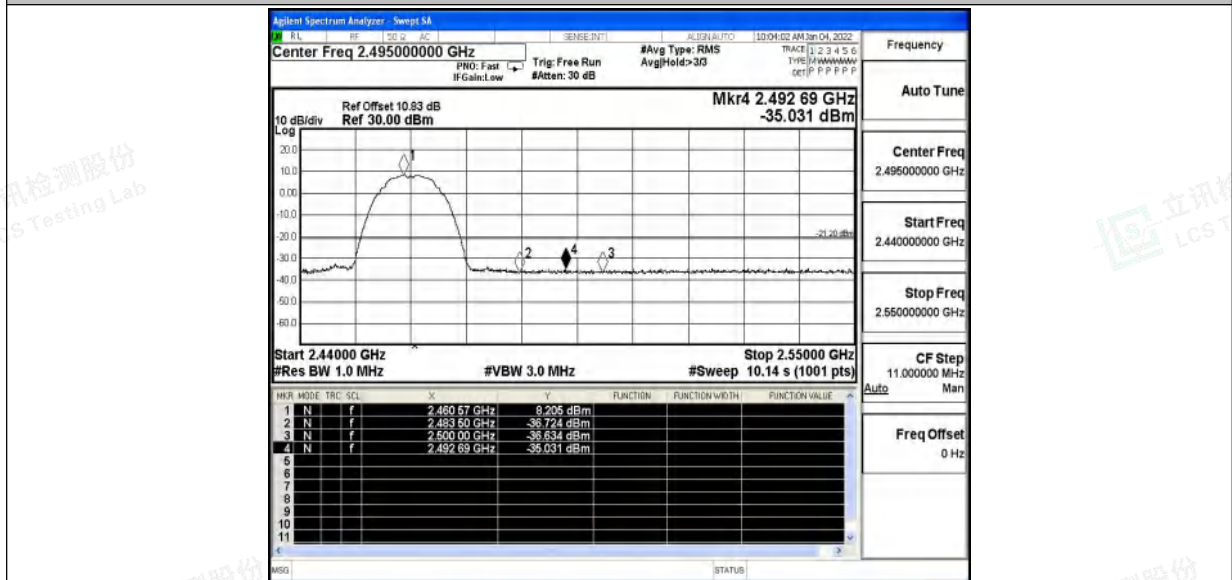
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11B_Ant0_High_2462_Peak



11G_Ant0_Low_2412_AV

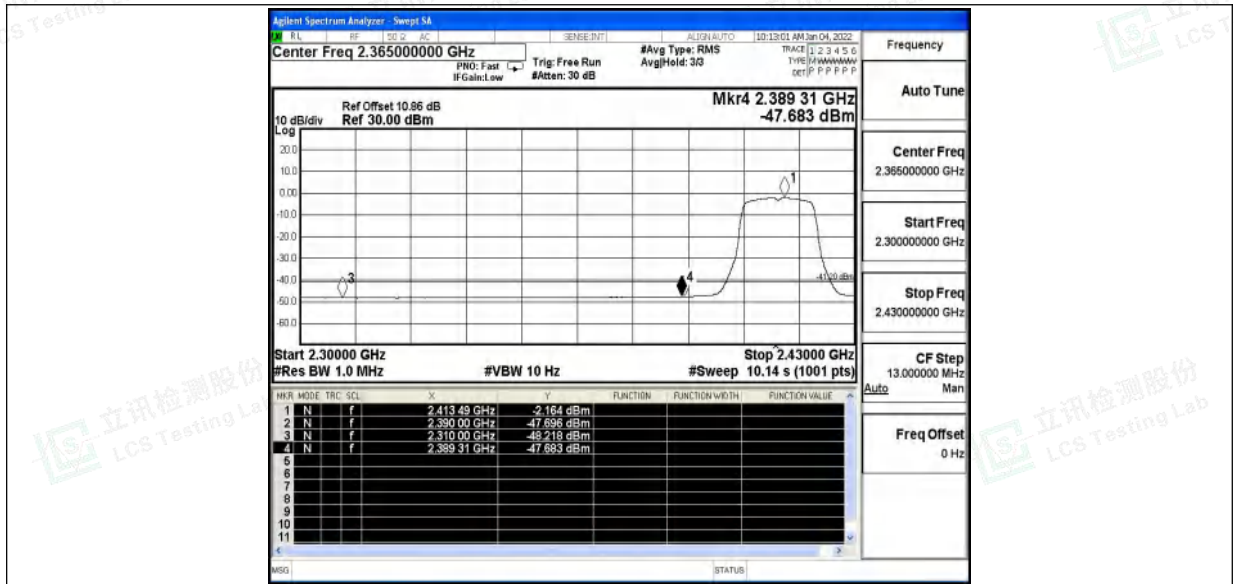


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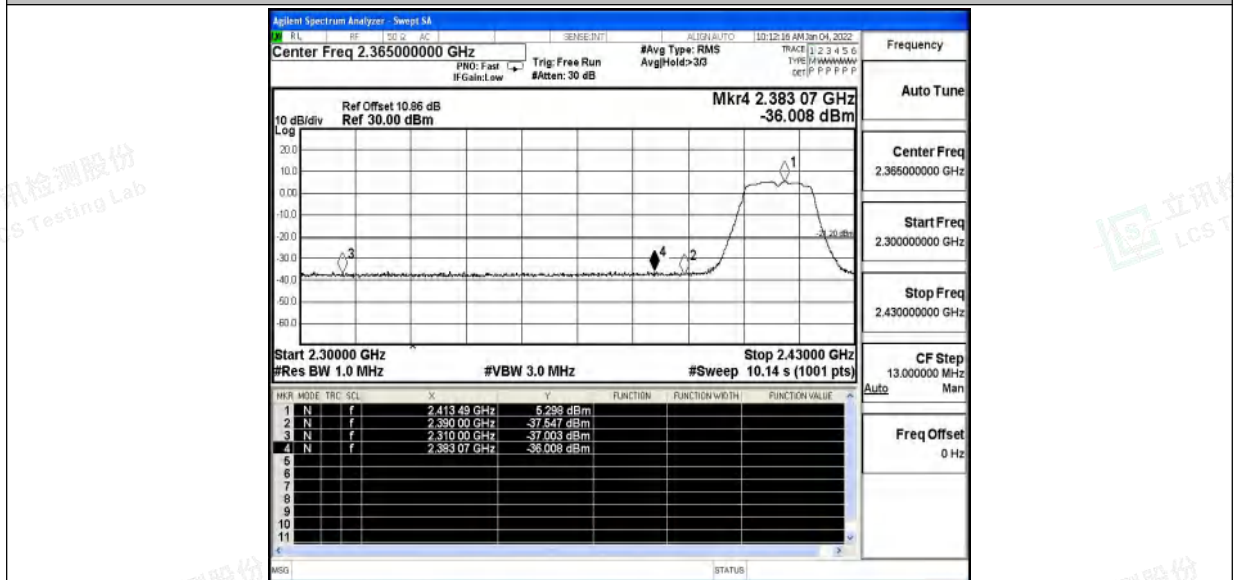
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11G_Ant0_Low_2412_Peak



11G_Ant0_High_2462_AV

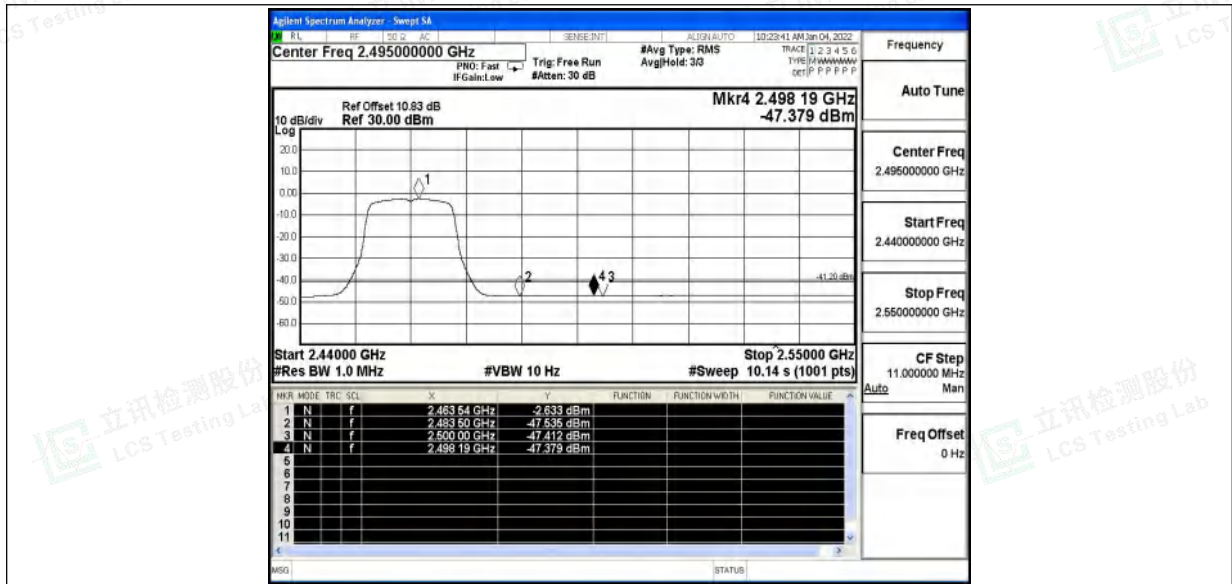


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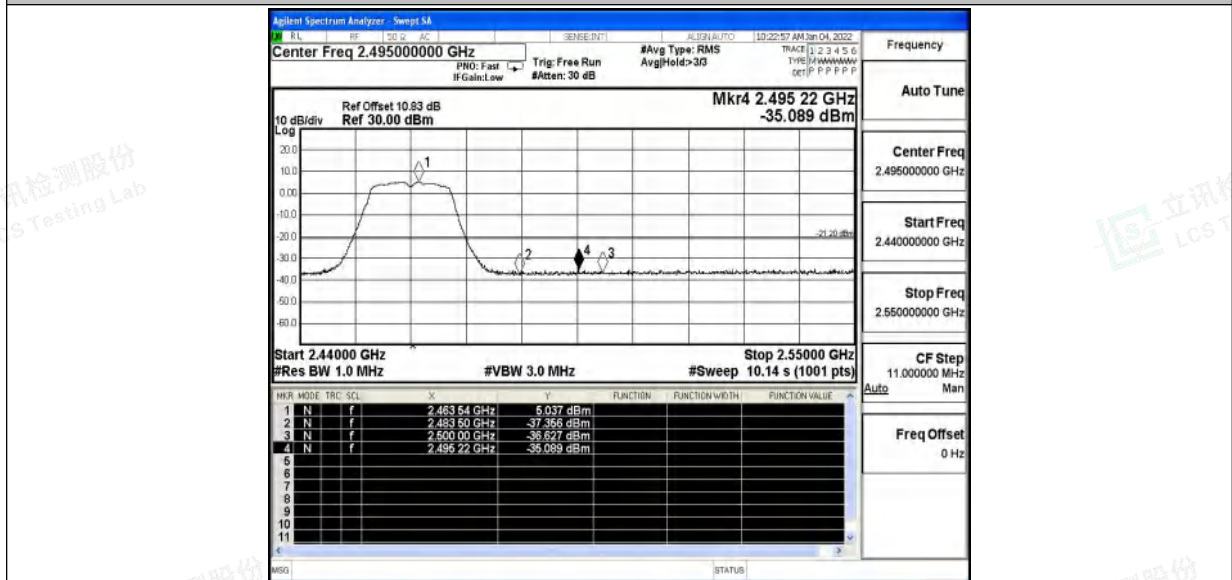
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11G_Ant0_High_2462_Peak



11N20SISO_Ant0_Low_2412_AV

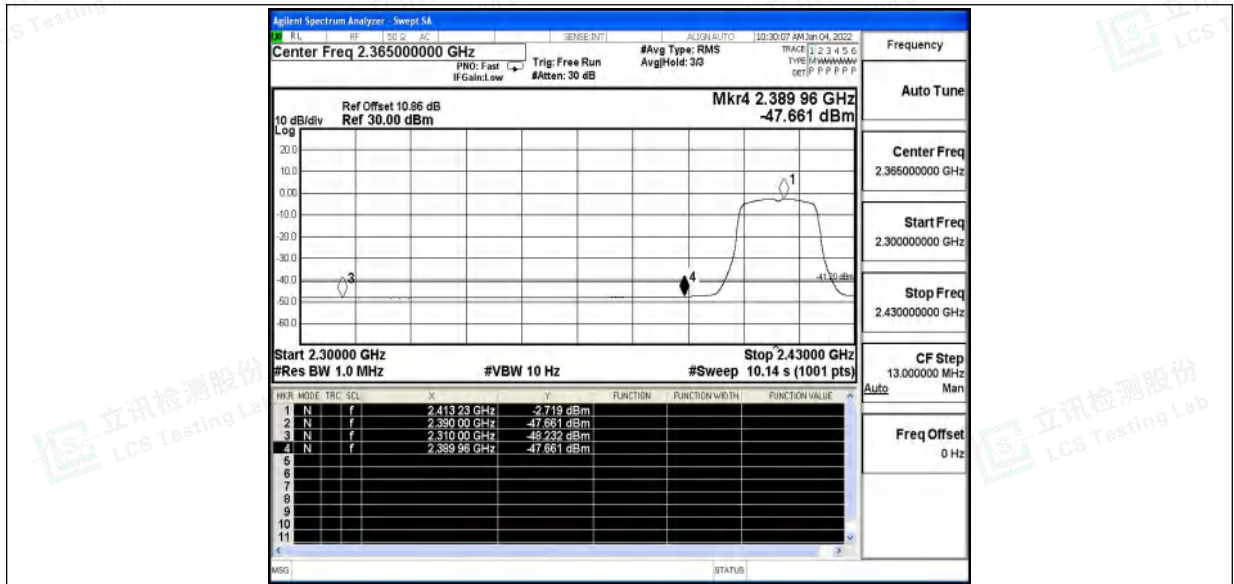


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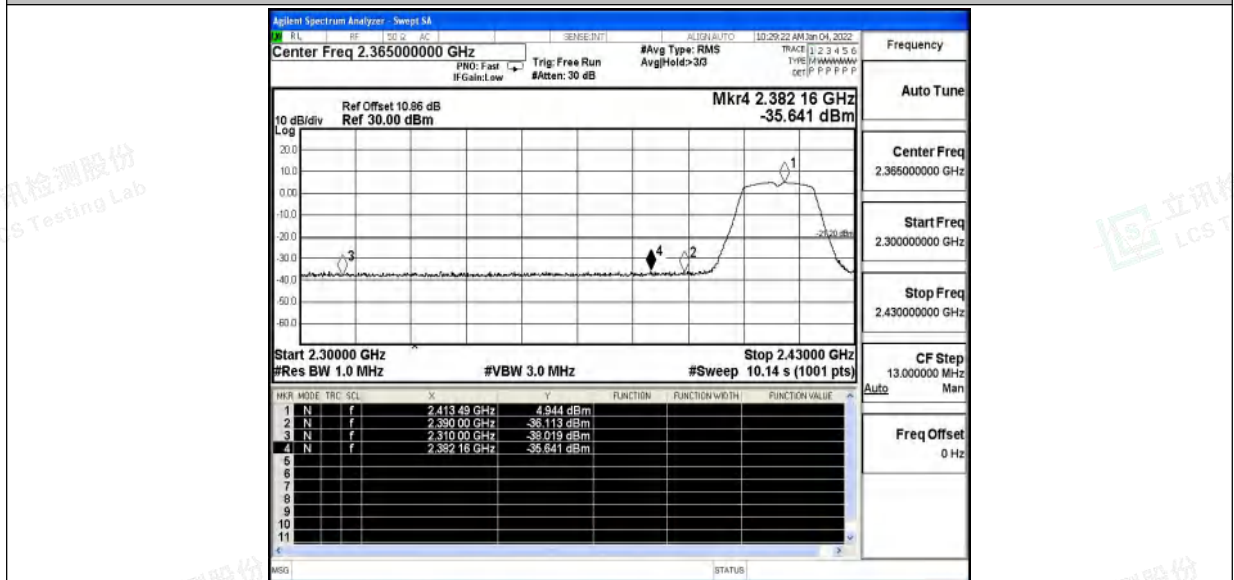
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11N20SISO_Ant0_Low_2412_Peak



11N20SISO_Ant0_High_2462_AV

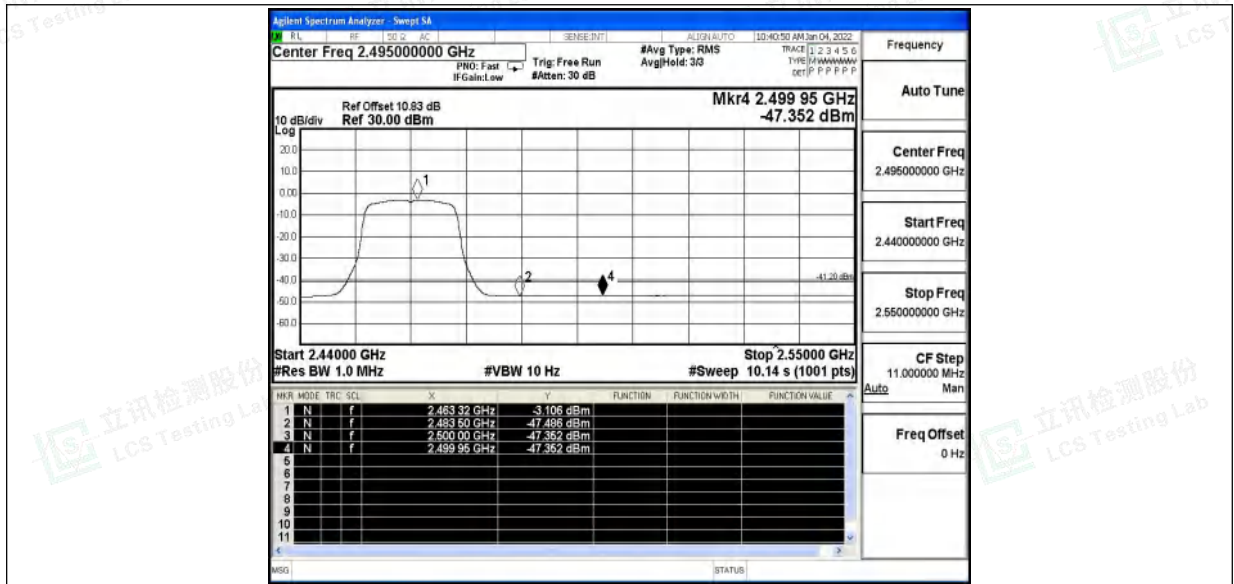


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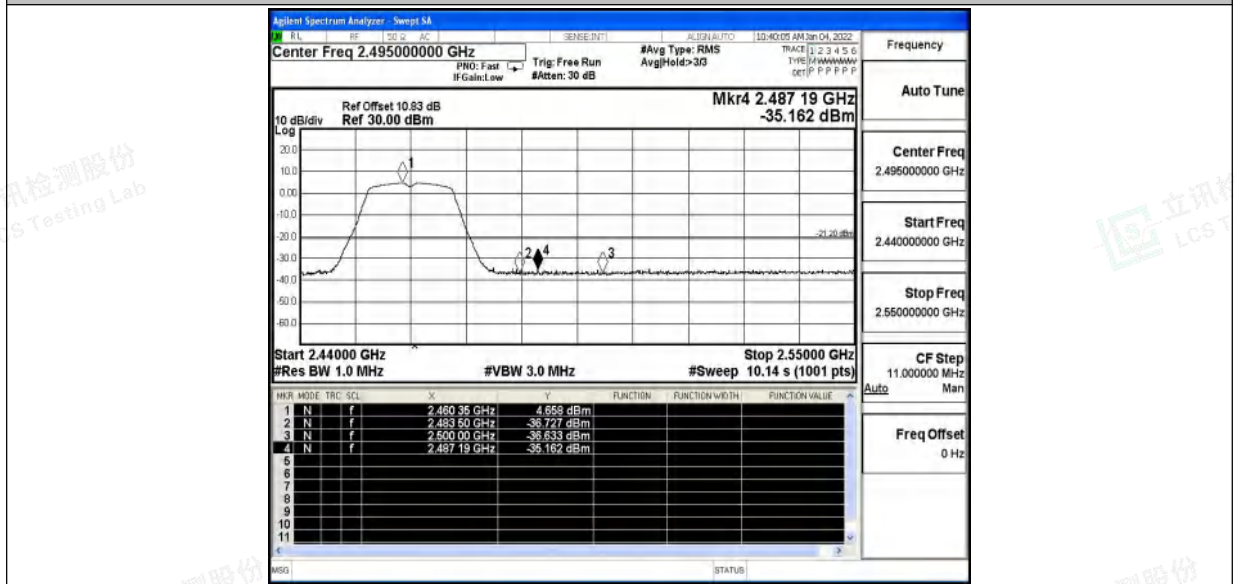
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11N20SISO_Ant0_High_2462_Peak



11N40SISO_Ant0_Low_2422_AV

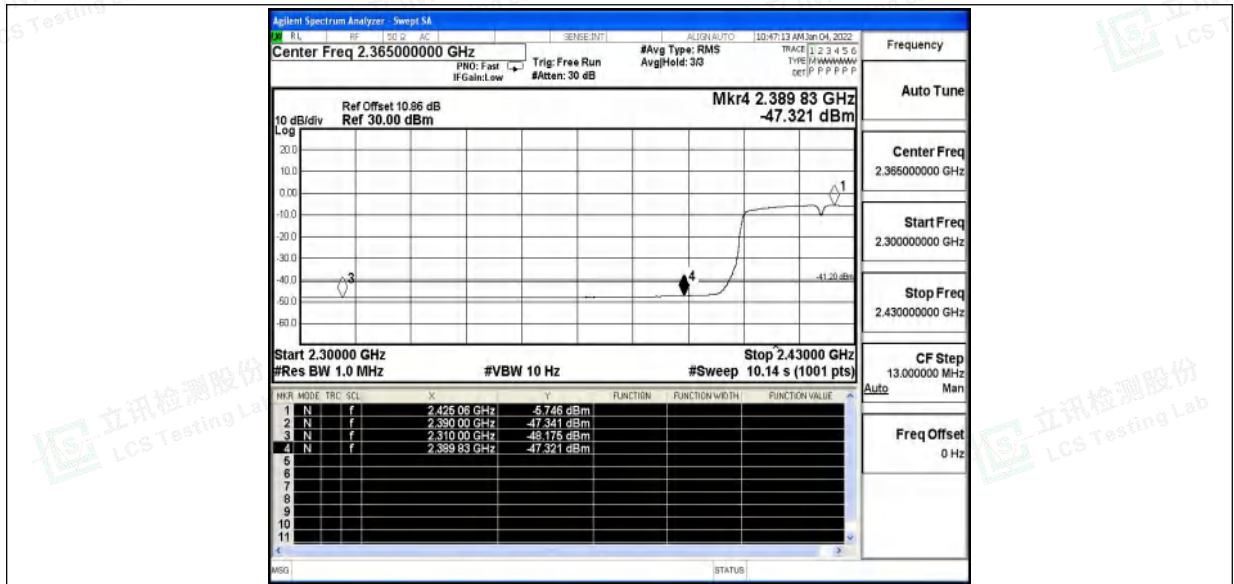


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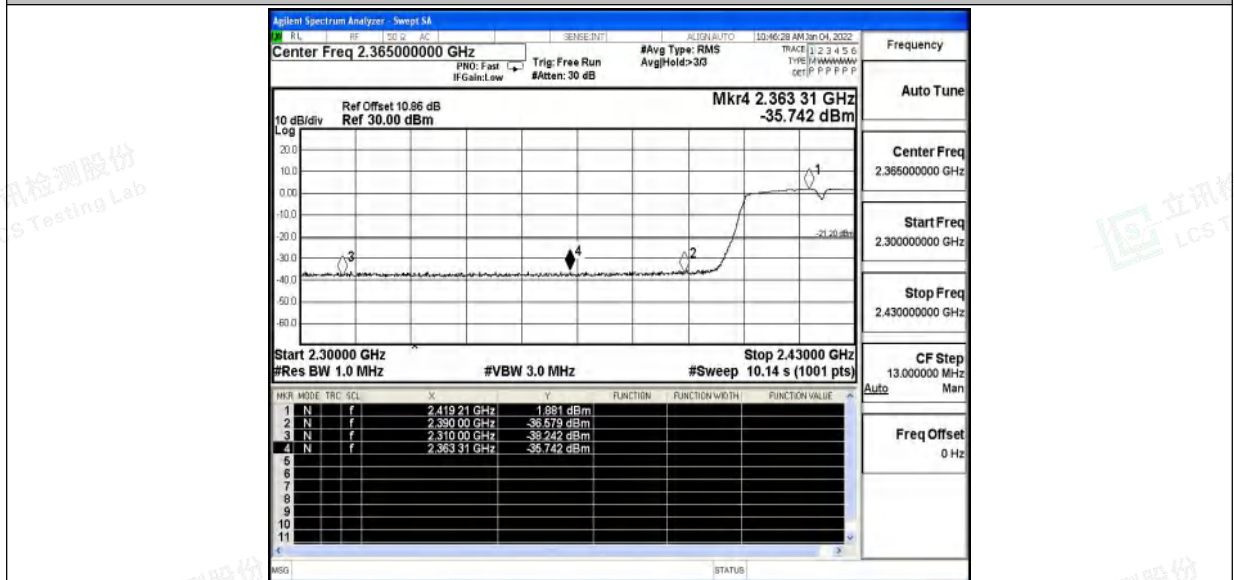
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11N40SISO_Ant0_Low_2422_Peak



11N40SISO_Ant0_High_2452_AV

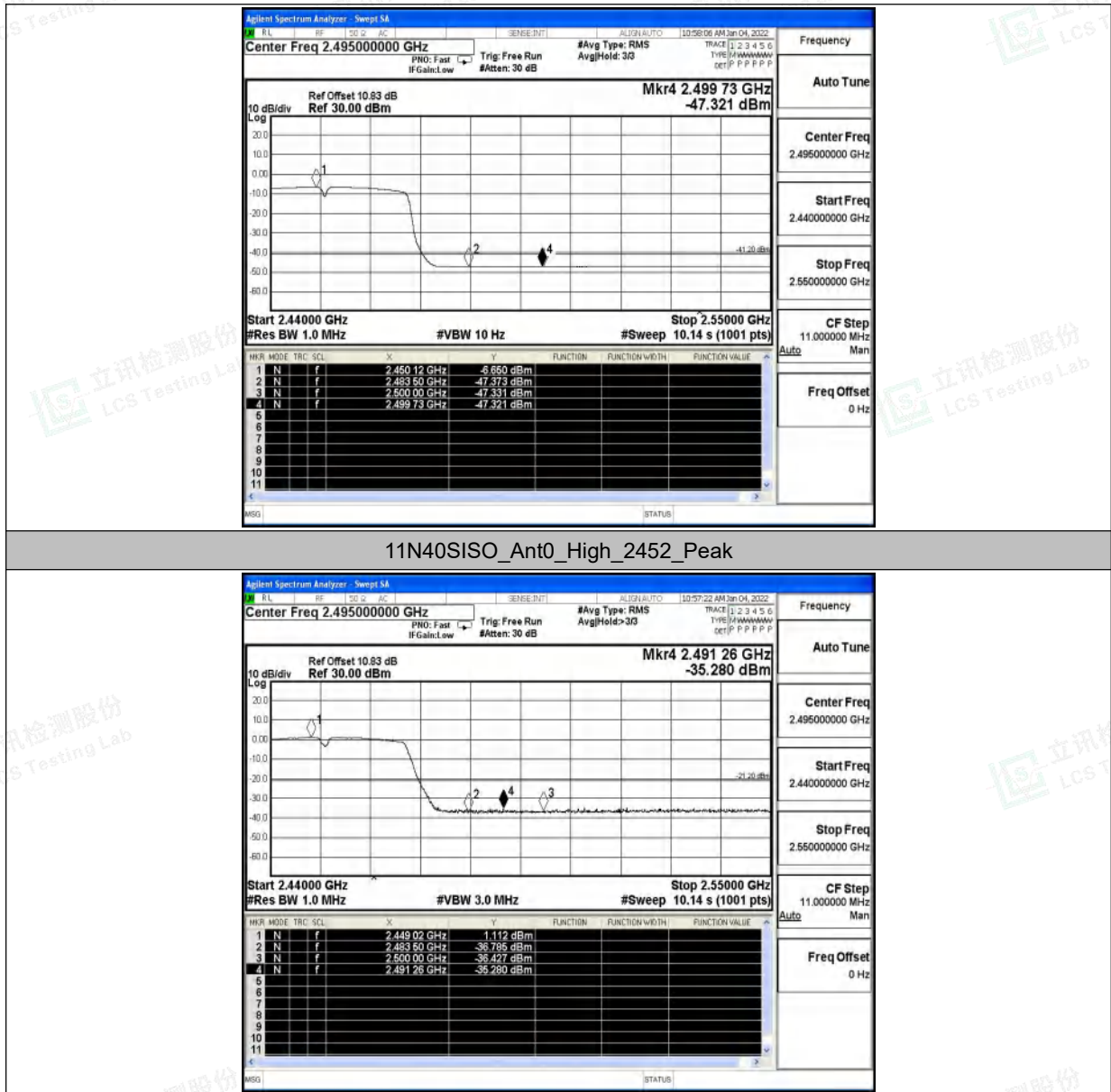


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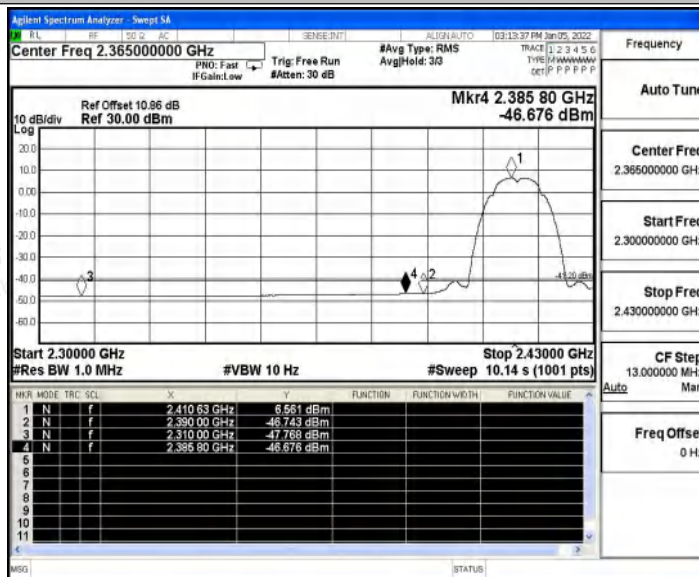
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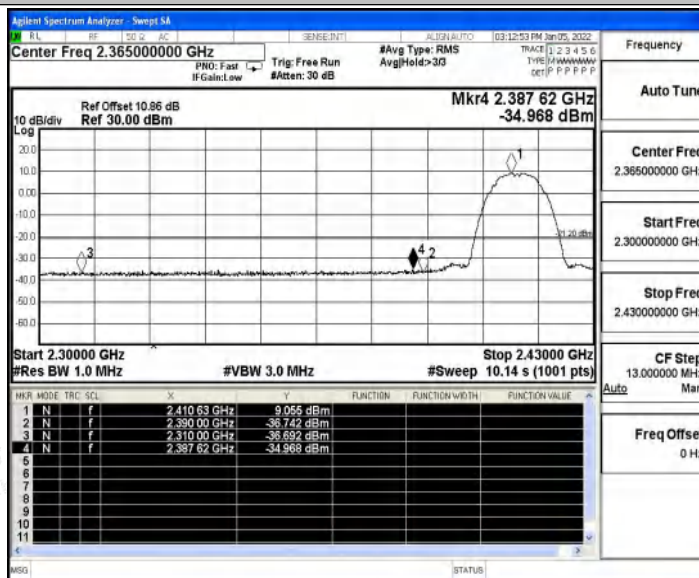


Test Graphs

11B_Ant1_Low_2412_AV



11B_Ant1_Low_2412_Peak



11B_Ant1_High_2462_AV

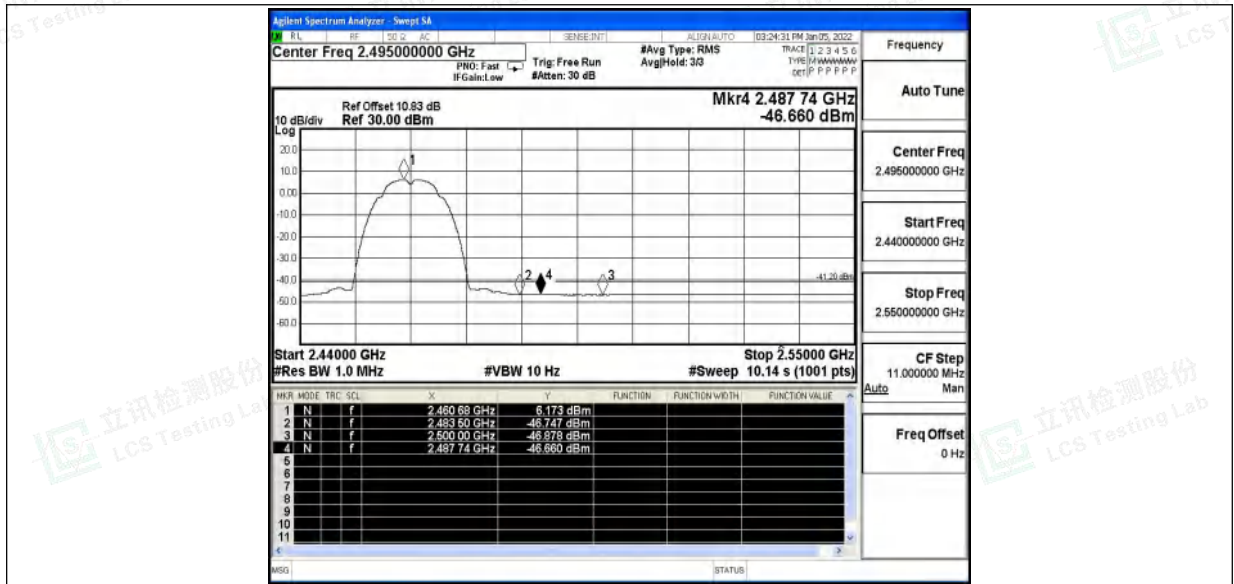


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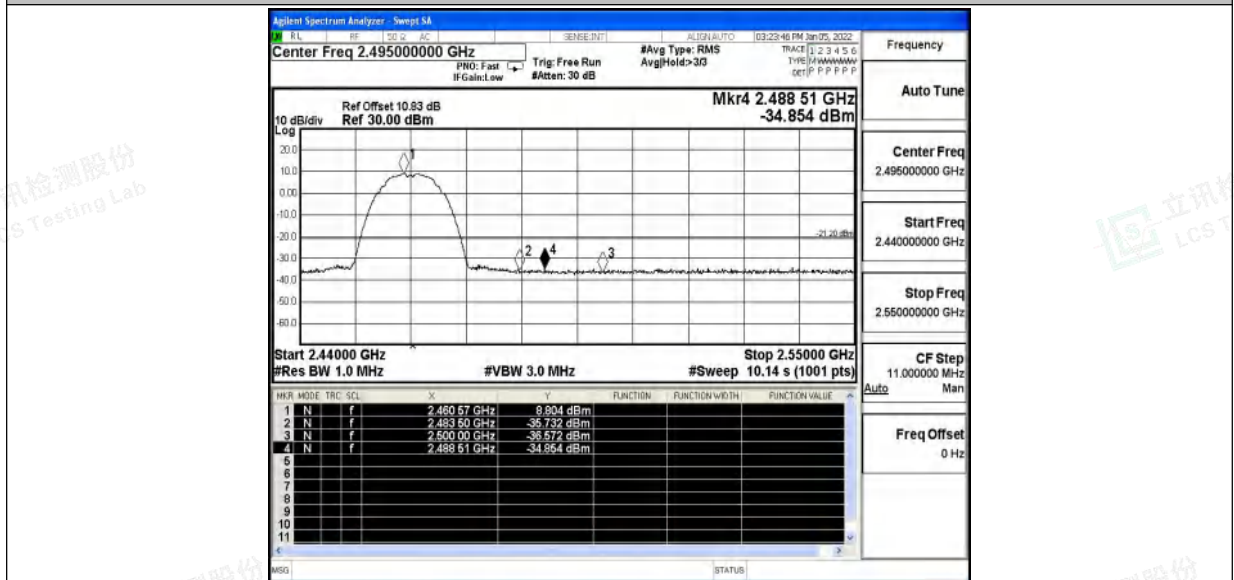
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11B_Ant1_High_2462_Peak



11G_Ant1_Low_2412_AV

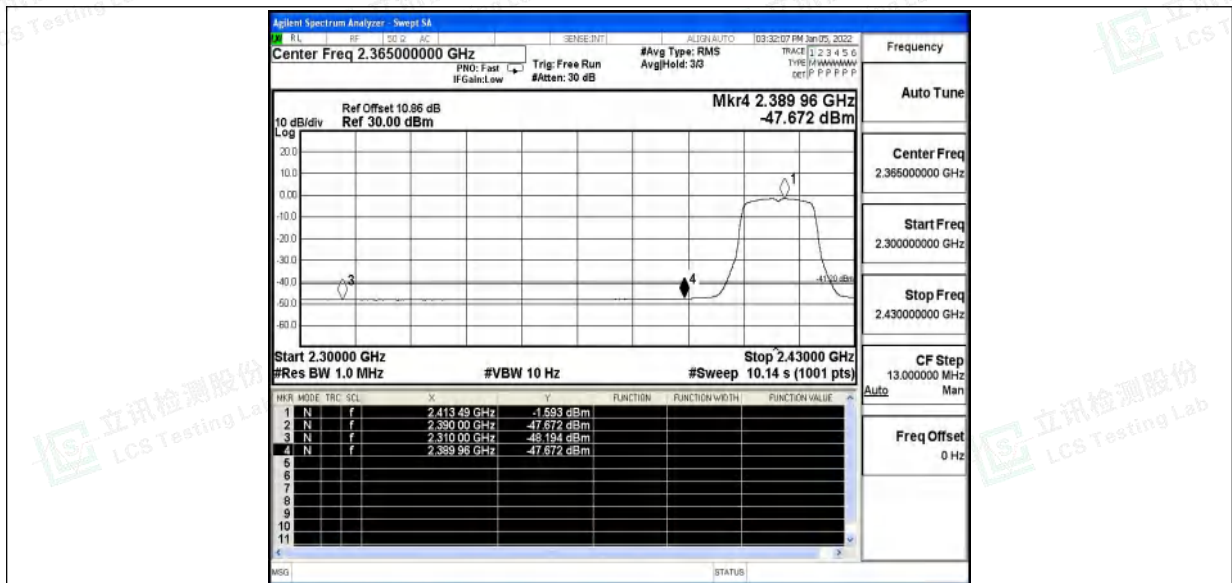


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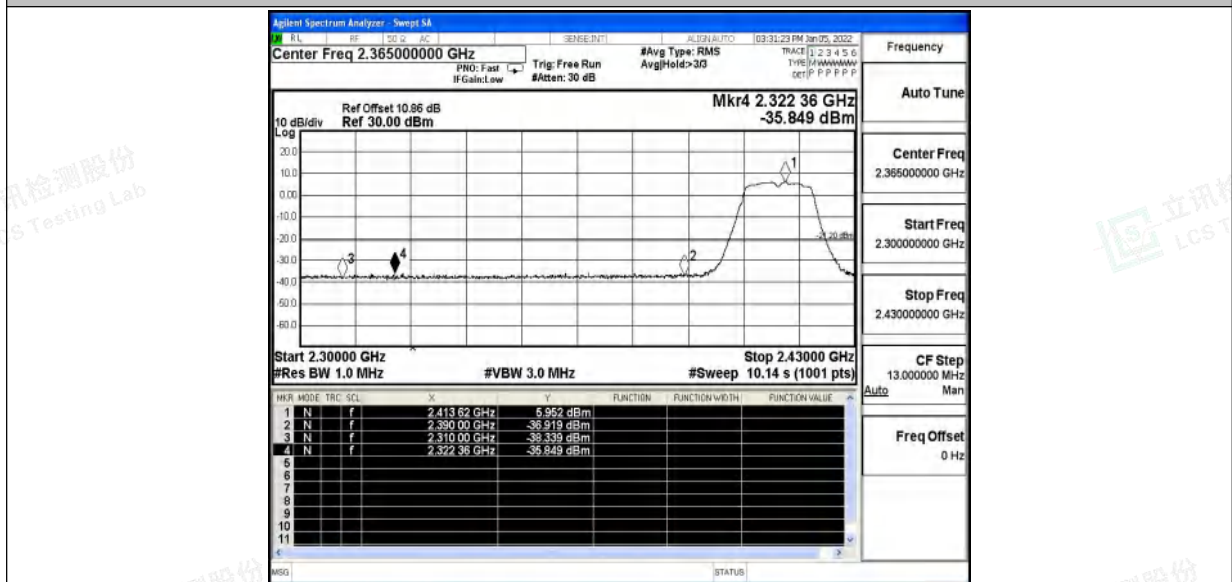
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11G_Ant1_Low_2412_Peak



11G_Ant1_High_2462_AV

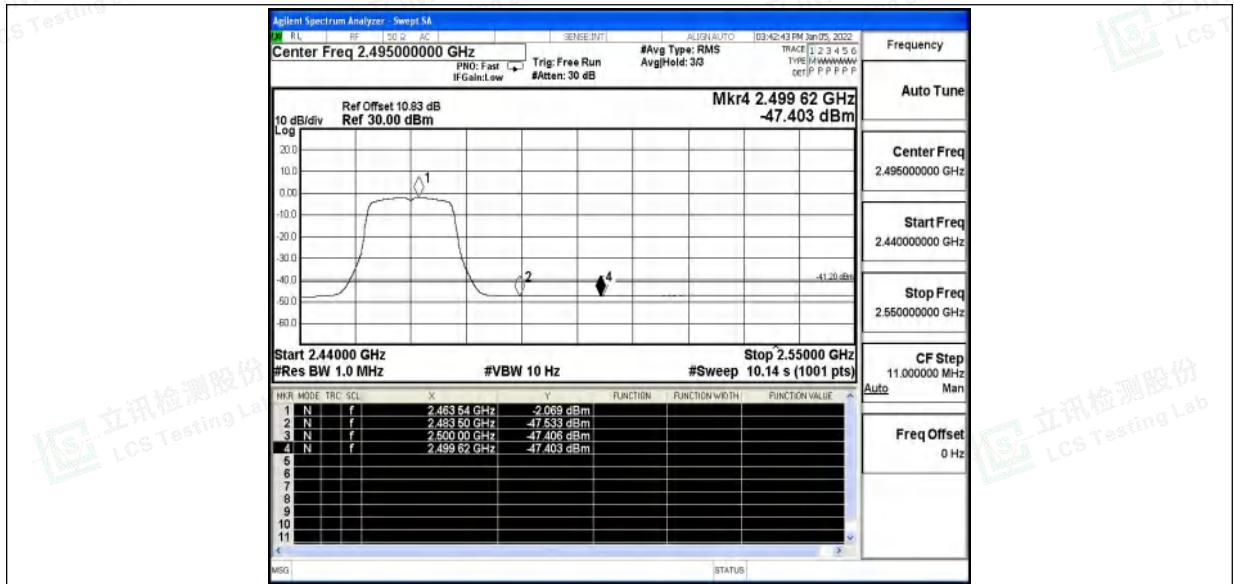


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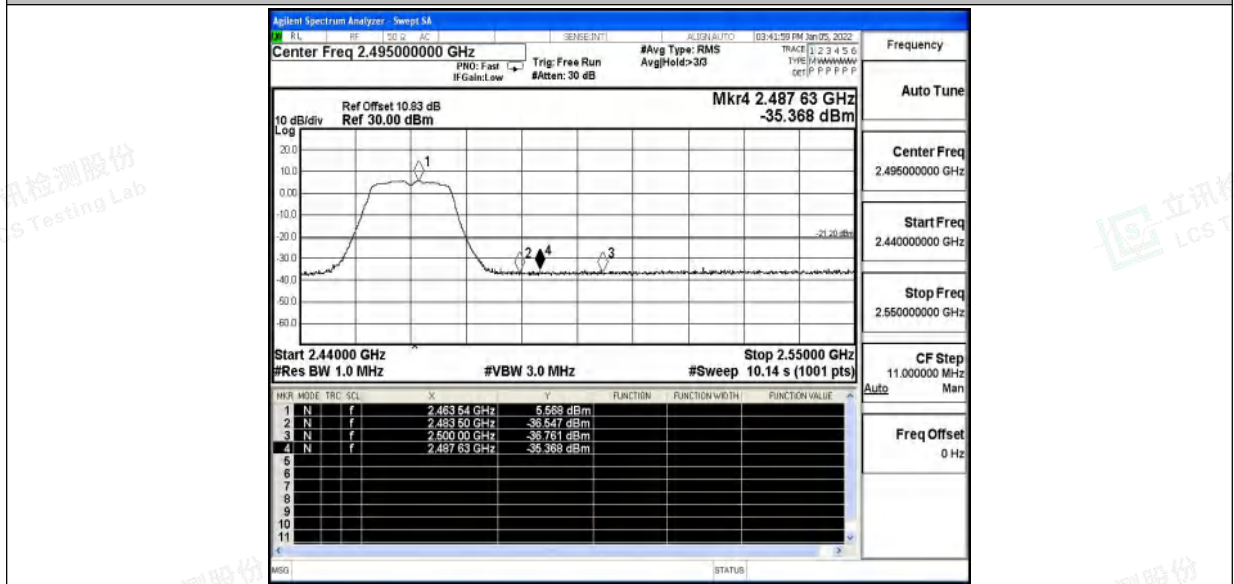
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11G_Ant1_High_2462_Peak



11N20SISO_Ant1_Low_2412_AV

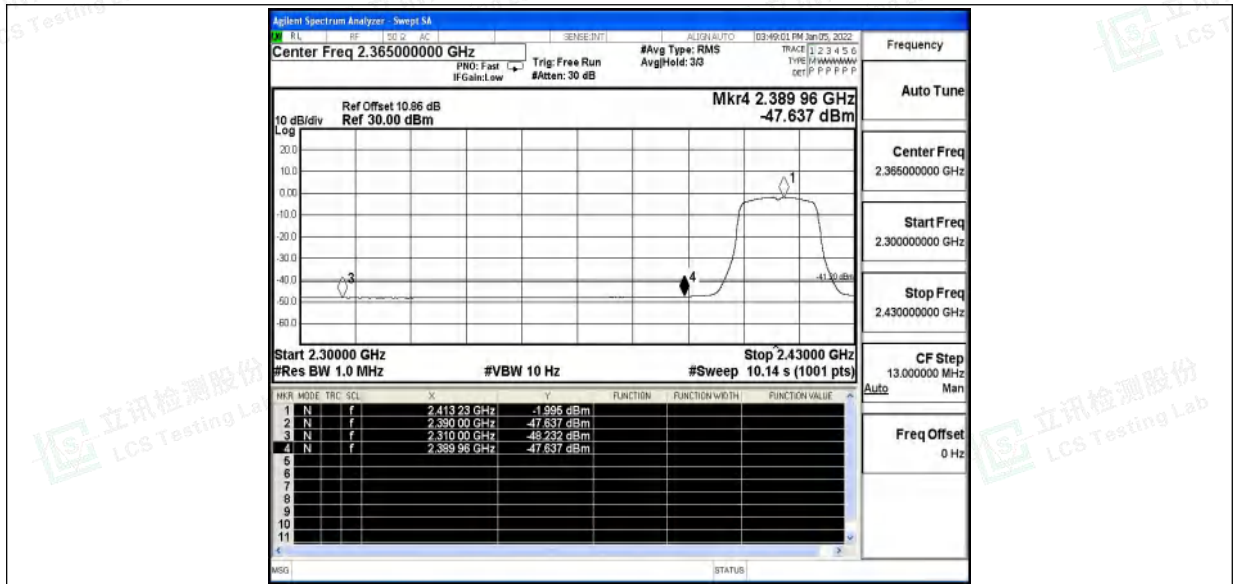


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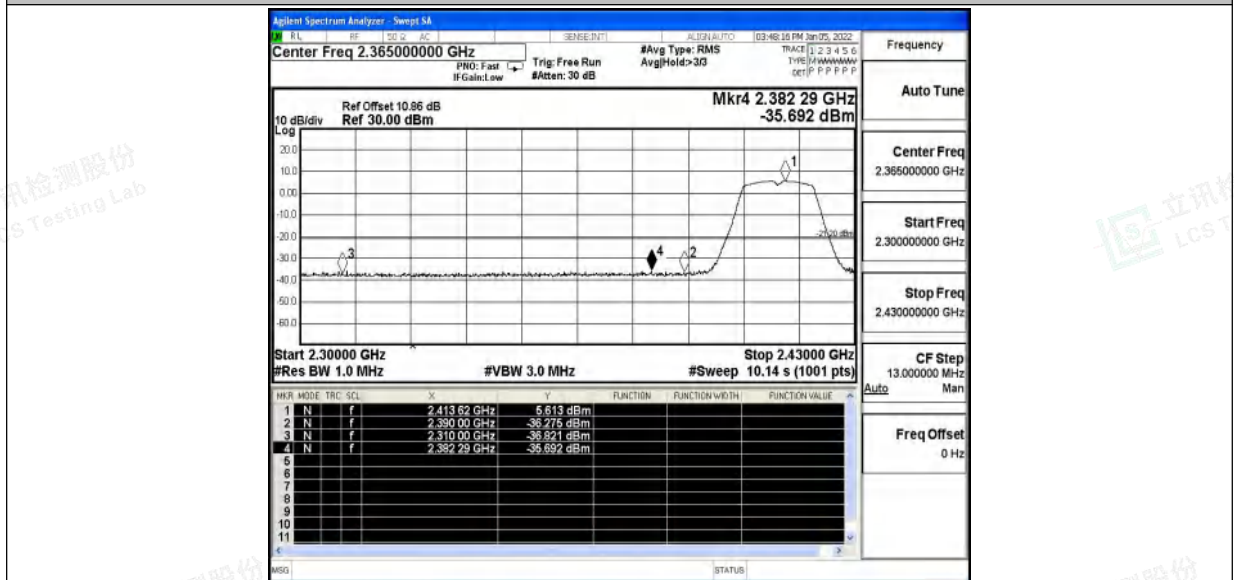
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11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV

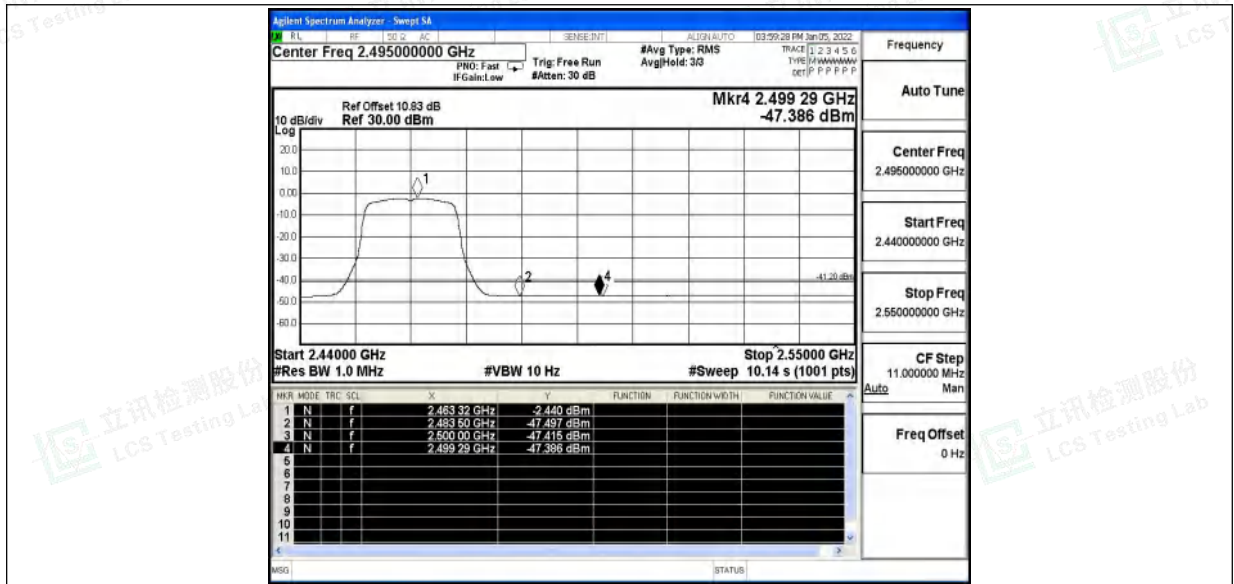


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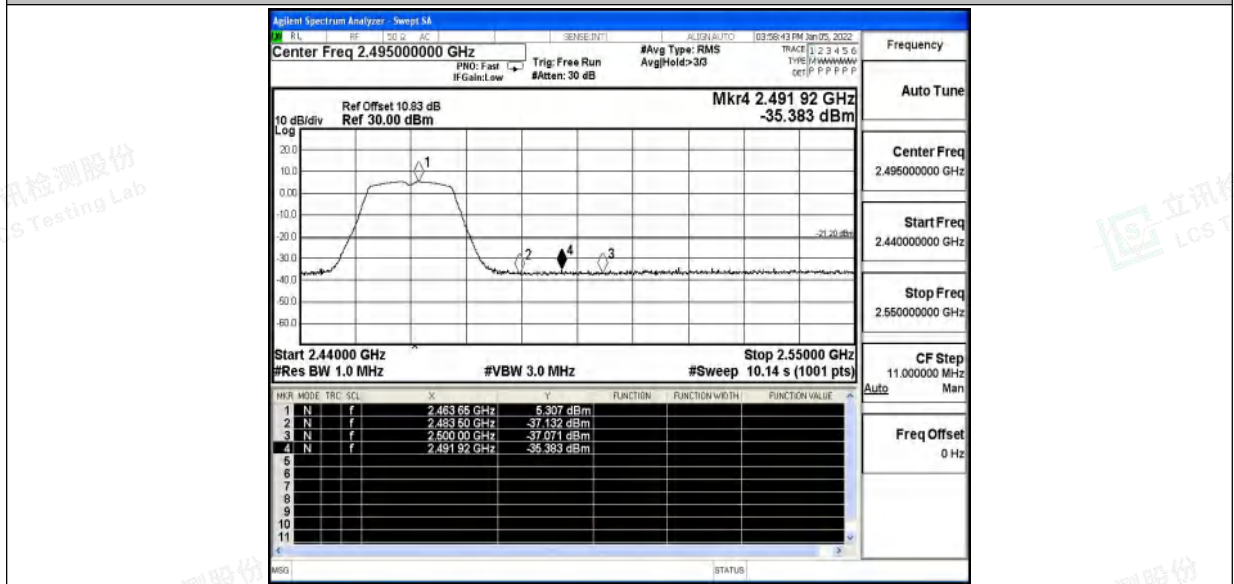
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11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV

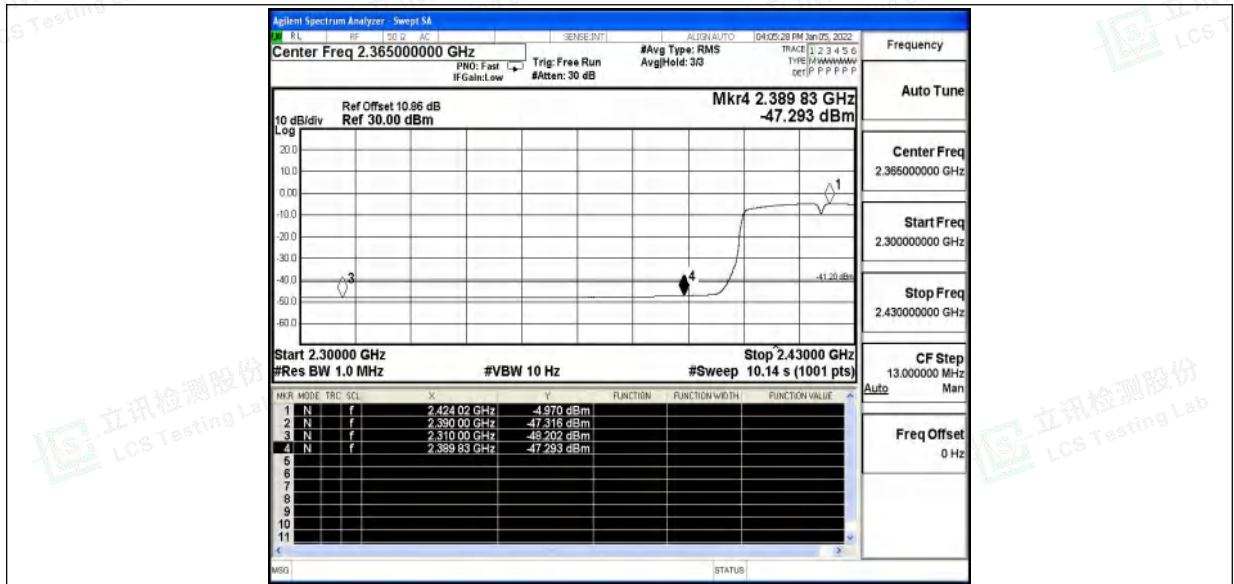


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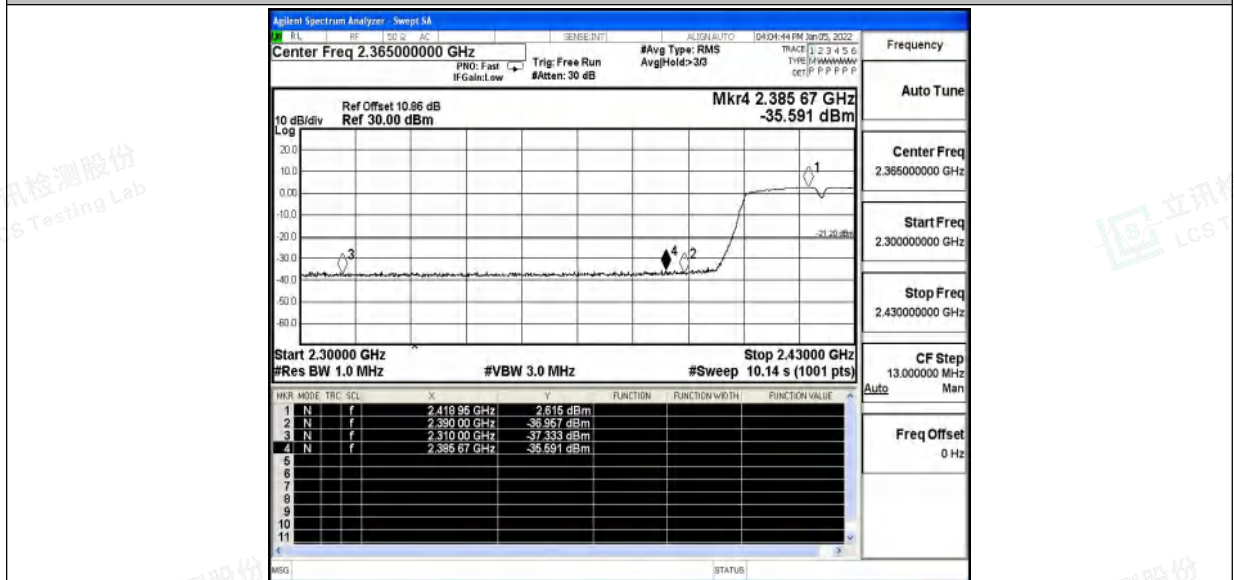
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV

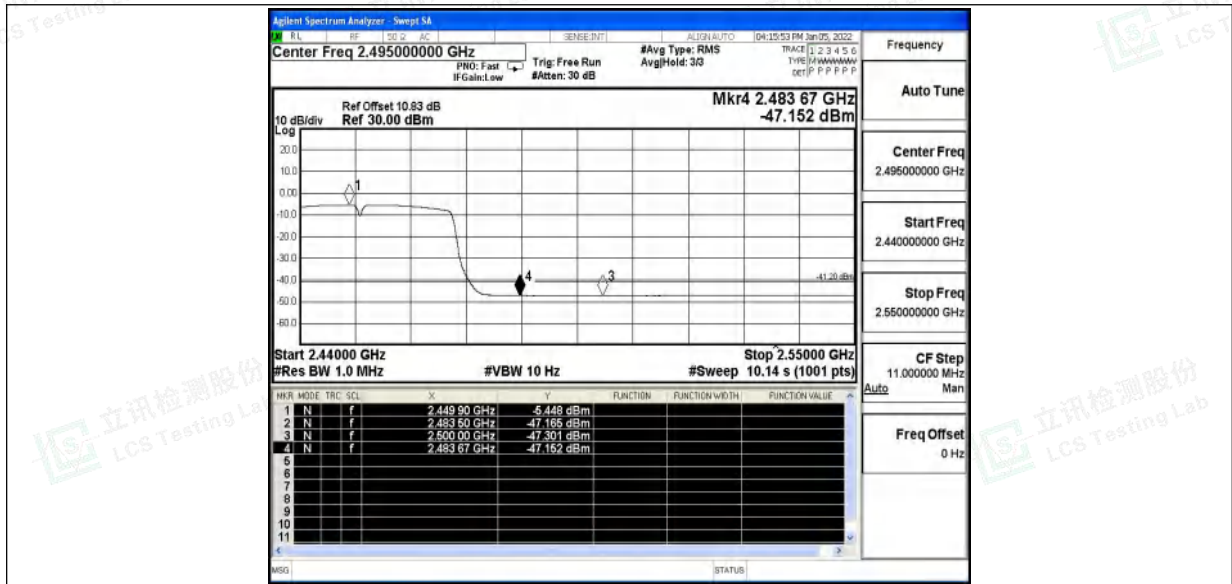


Shenzhen LCS Compliance Testing Laboratory Ltd.

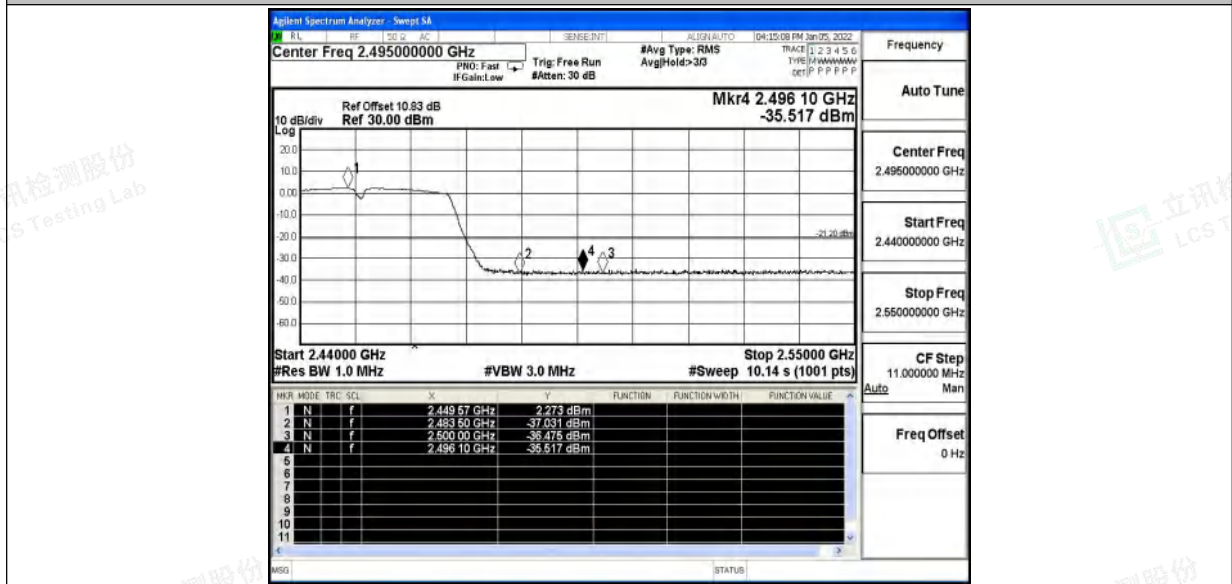
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N40SISO_Ant1_High_2452_Peak



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