



Appendix B

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Handheld game console

Test Model: Q8

Environmental Conditions

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





B.1 6dB Bandwidth

Test Result

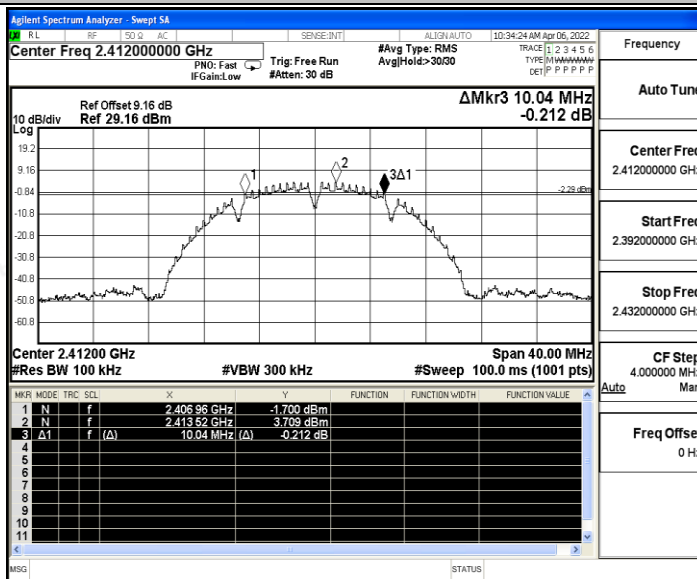
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	10.040	2406.960	2417.000	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	9.520	2456.960	2466.480	0.5	PASS
11G	Ant0	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.280	2428.880	2445.160	0.5	PASS
		2462	15.800	2453.760	2469.560	0.5	PASS
11N20SISO	Ant0	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.320	2428.480	2445.800	0.5	PASS
		2462	17.200	2453.200	2470.400	0.5	PASS
11N40SISO	Ant0	2422	35.760	2404.400	2440.160	0.5	PASS
		2437	35.440	2419.480	2454.920	0.5	PASS
		2452	35.280	2434.240	2469.520	0.5	PASS



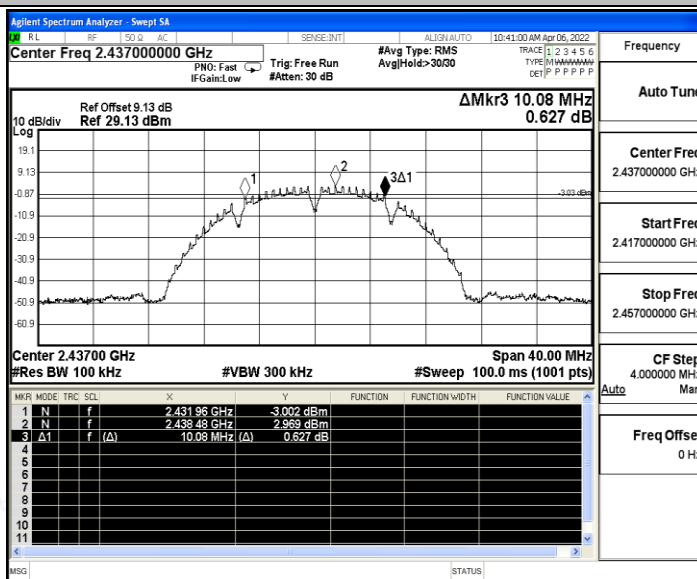


Test Graphs

11B_Ant0_2412



11B_Ant0_2437



11B_Ant0_2462

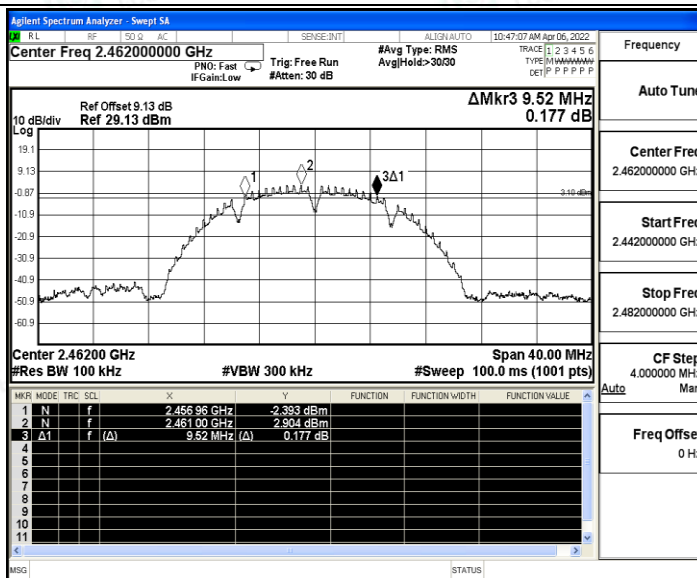


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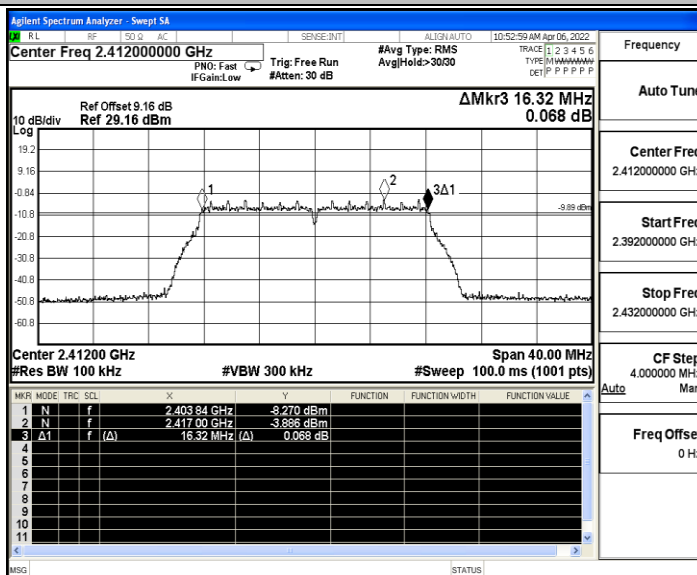
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

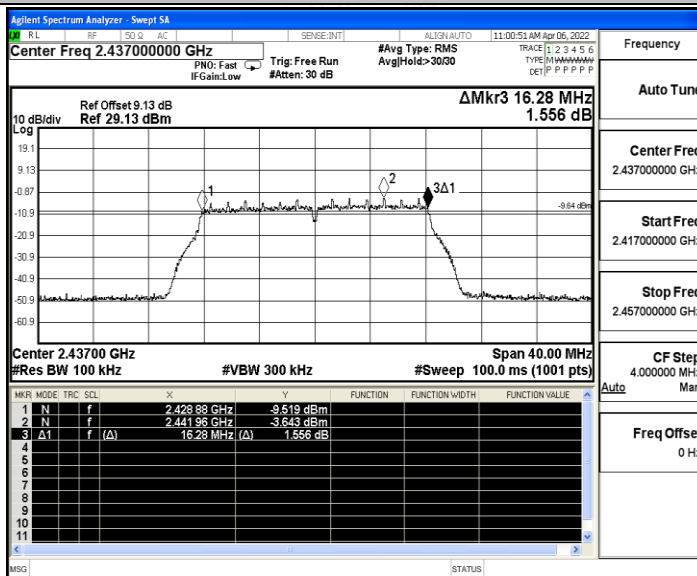
Scan code to check authenticity



11G_Ant0_2412



11G_Ant0_2437



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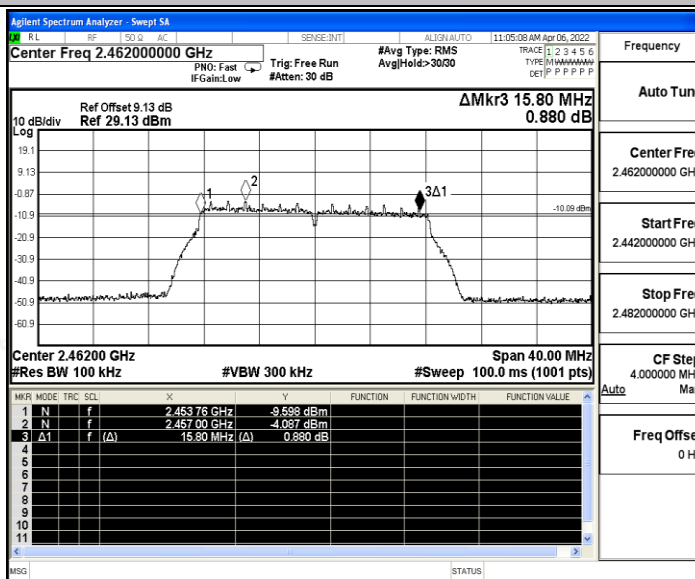
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

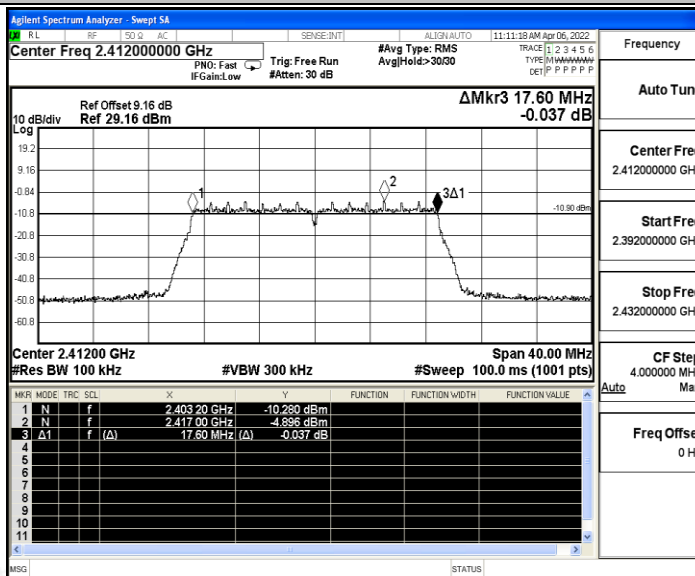
Scan code to check authenticity



11G_Ant0_2462

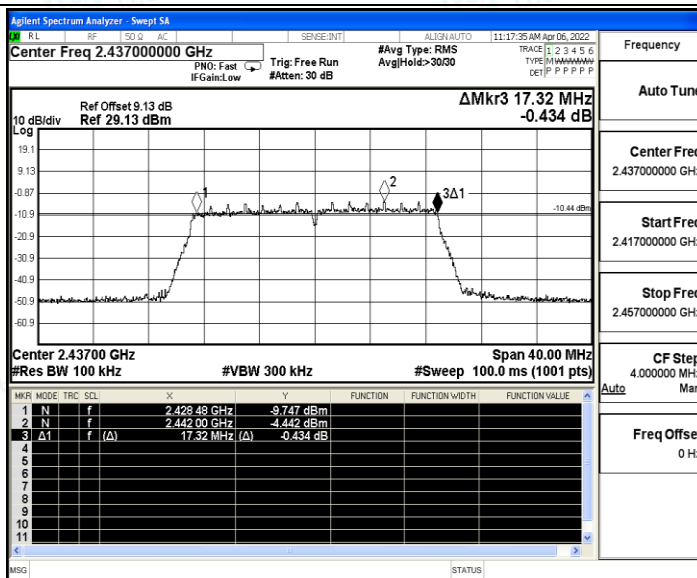


11N20SISO_Ant0_2412

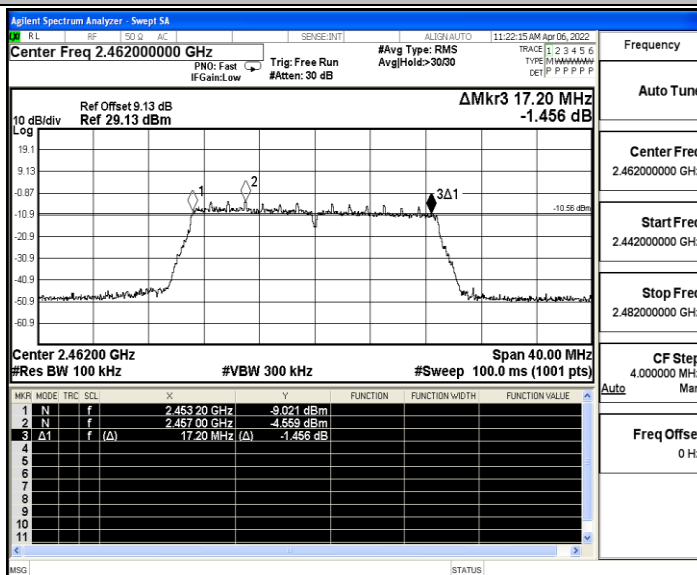


11N20SISO_Ant0_2437

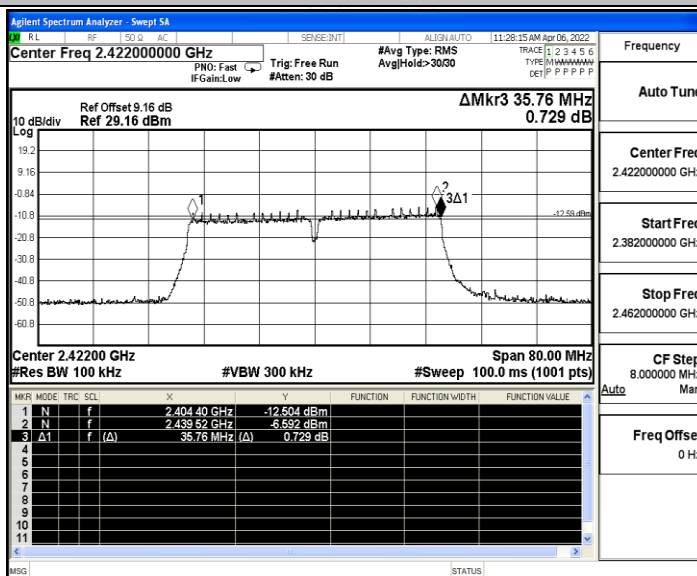




11N20SISO_Ant0_2462



11N40SISO_Ant0_2422



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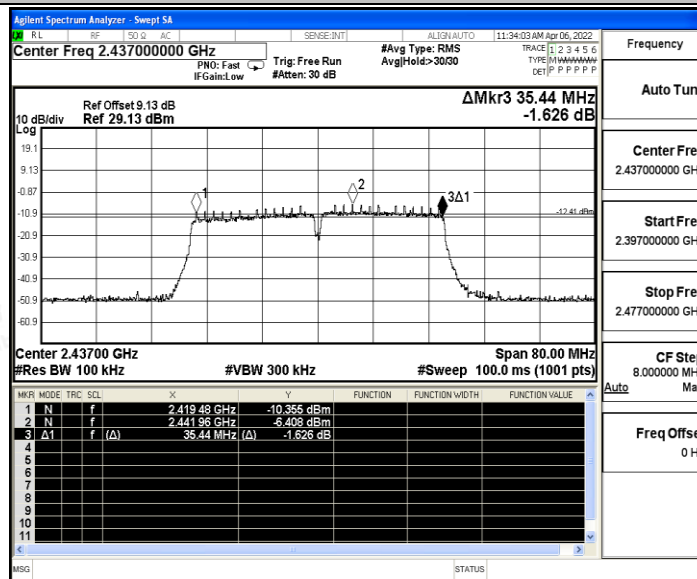
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

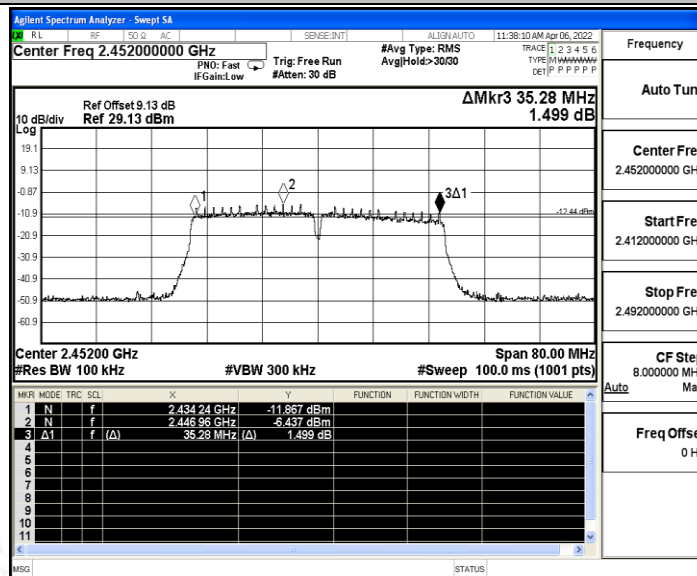
Scan code to check authenticity



11N40SISO_Ant0_2437



11N40SISO_Ant0_2452





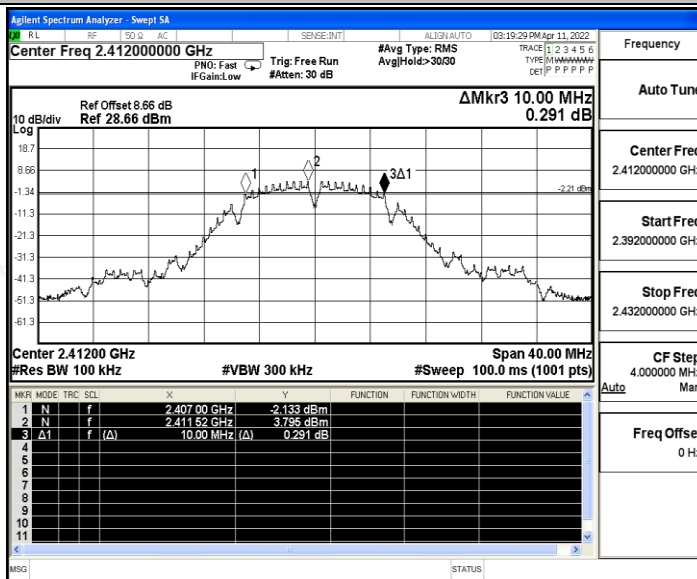
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.000	2407.000	2417.000	0.5	PASS
		2437	9.080	2432.440	2441.520	0.5	PASS
		2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	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	36.080	2404.080	2440.160	0.5	PASS
		2437	35.680	2419.240	2454.920	0.5	PASS
		2452	36.080	2434.080	2470.160	0.5	PASS



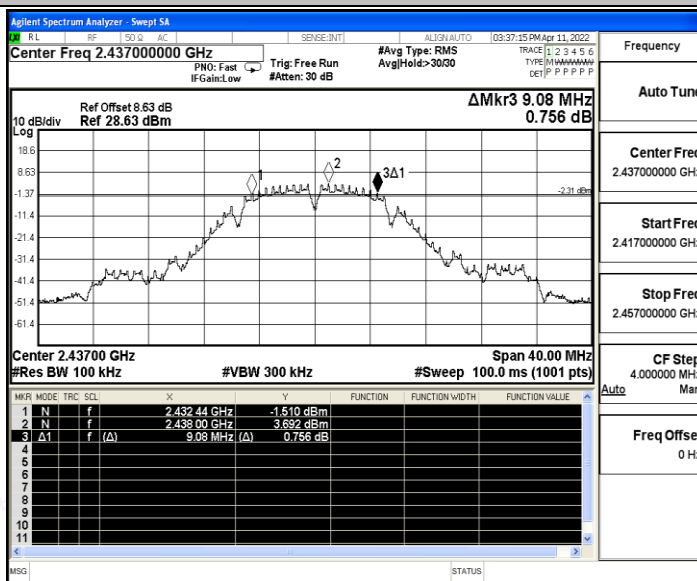


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

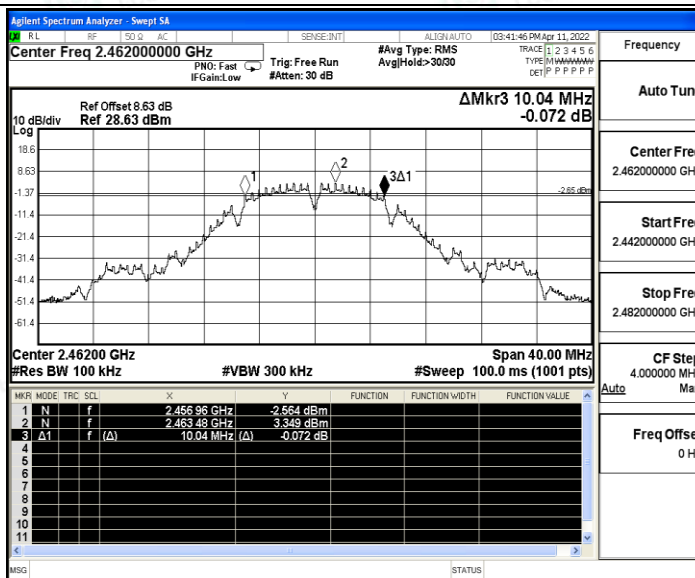


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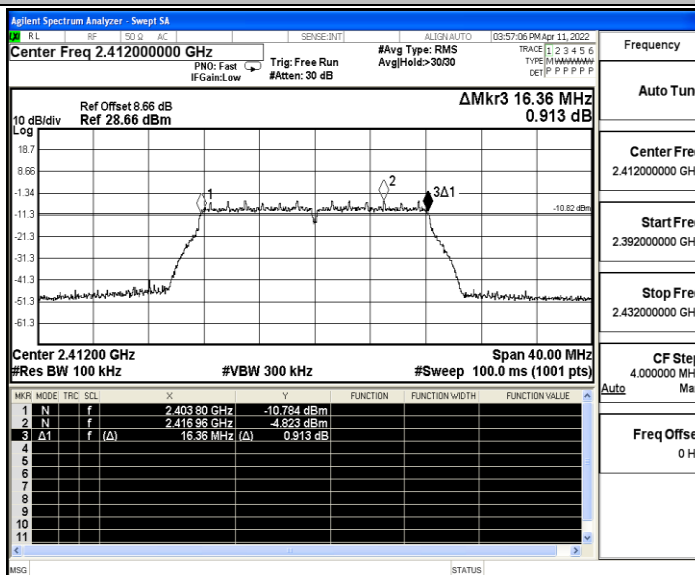
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

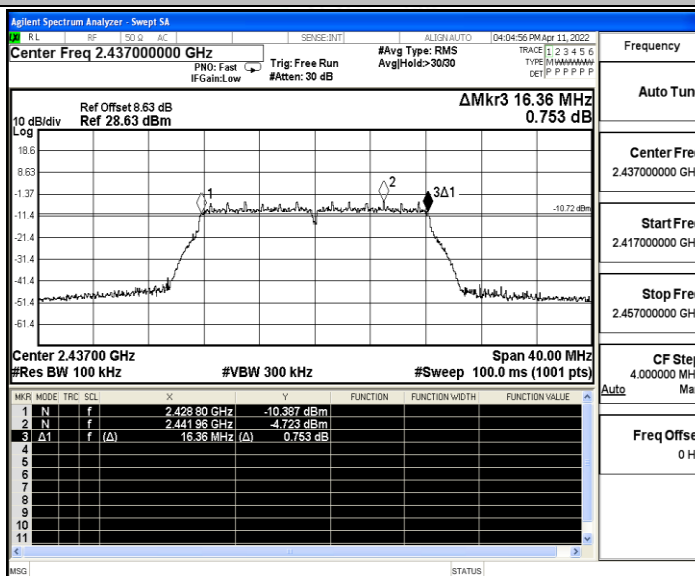
Scan code to check authenticity



11G_Ant1_2412

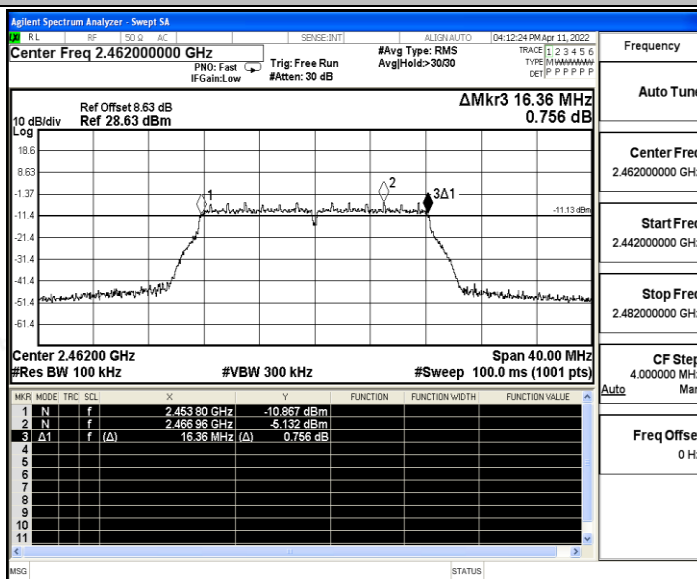


11G_Ant1_2437

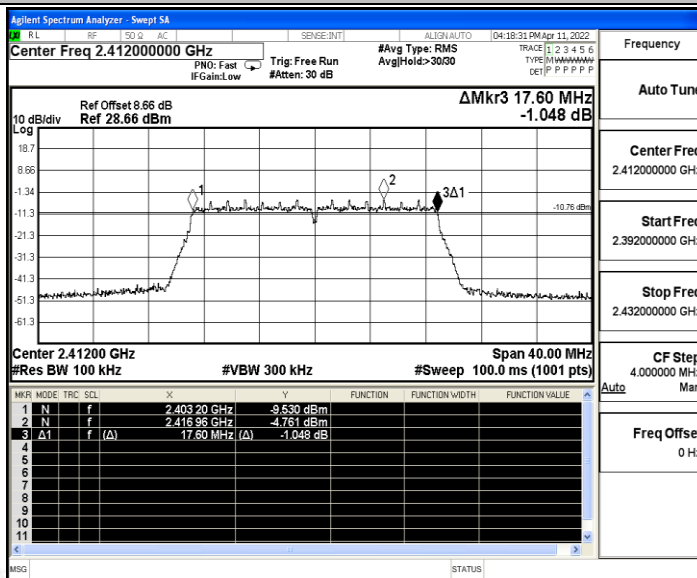




11G_Ant1_2462

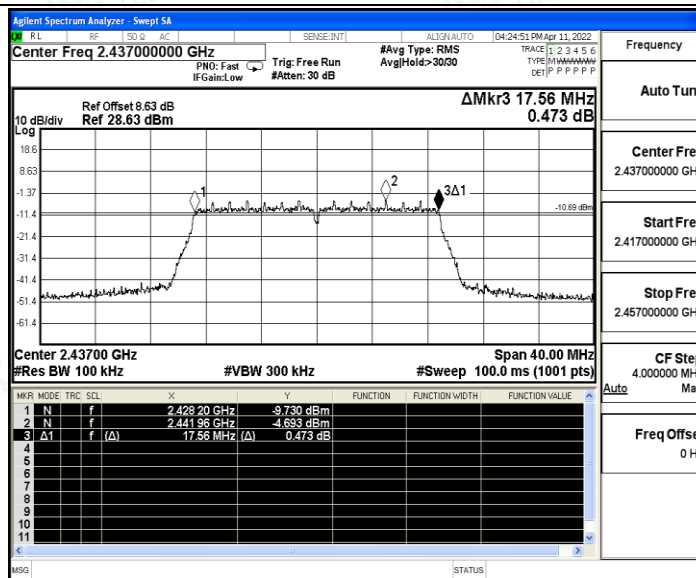


11N20SISO_Ant1_2412

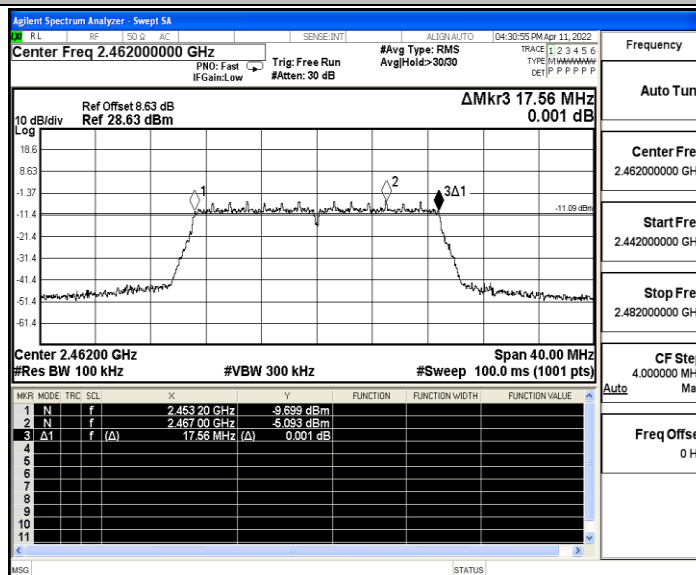


11N20SISO_Ant1_2437

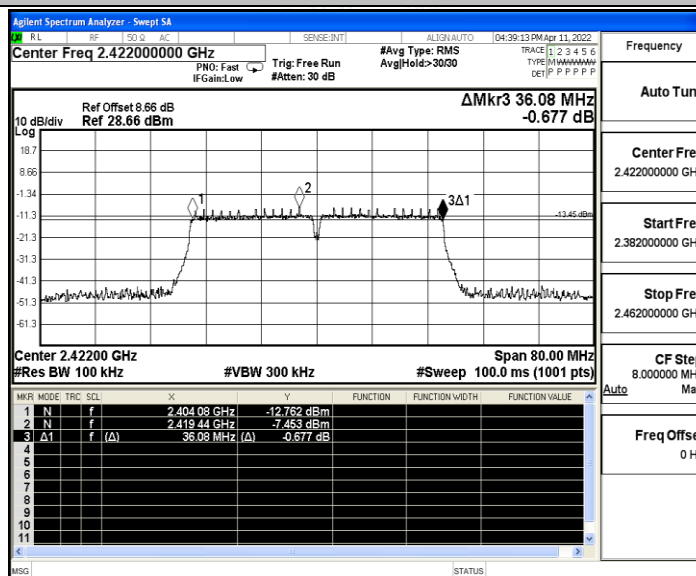




11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



Shenzhen LCS Compliance Testing Laboratory Ltd.

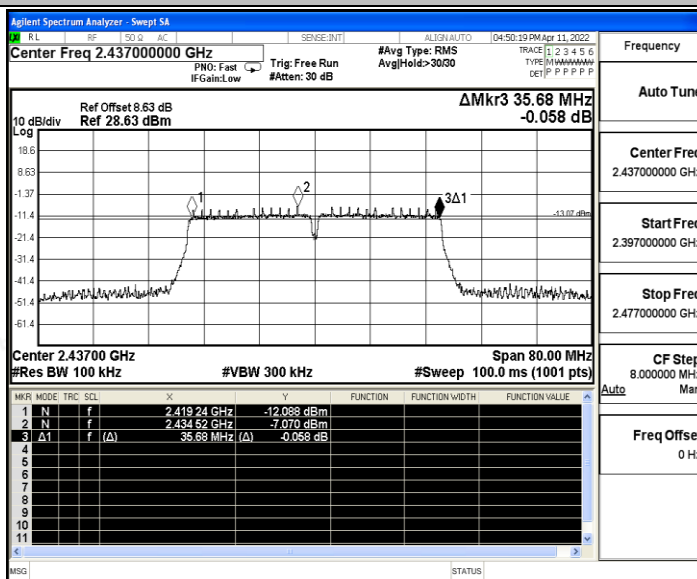
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

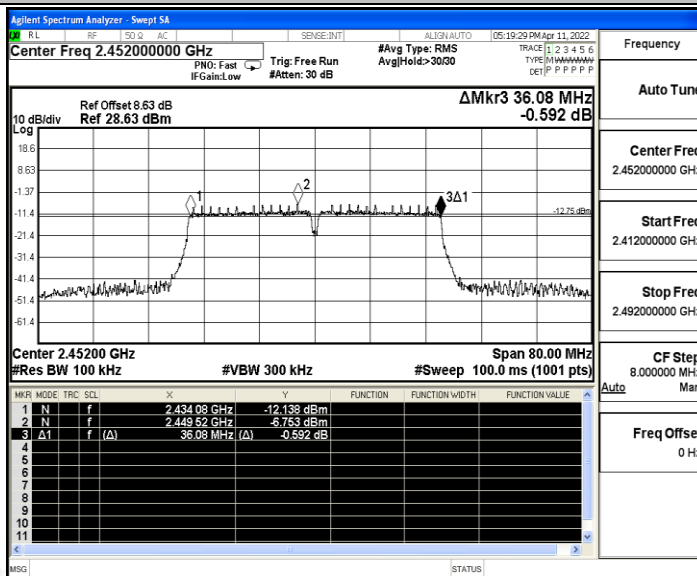
Scan code to check authenticity



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





B.2 Maximum conducted output power

Mode	Channel	Peak Power [dBm]			Limit [dBm]	Verdict
		Ant 0	Ant 1	Sum		
11B	2412	15.94	15.68	/	≤30	PASS
	2437	15.09	15.40	/	≤30	PASS
	2462	14.83	15.11	/	≤30	PASS
11G	2412	15.48	14.77	/	≤30	PASS
	2437	15.29	14.81	/	≤30	PASS
	2462	14.58	14.37	/	≤30	PASS
11N20SISO	2412	14.52	14.74	17.64	≤30	PASS
	2437	14.43	14.78	17.62	≤30	PASS
	2462	14.10	14.43	17.28	≤30	PASS
11N40SISO	2422	14.54	15.38	17.99	≤30	PASS
	2437	15.12	15.16	18.15	≤30	PASS
	2452	15.03	15.49	18.28	≤30	PASS





B.3 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-11.12	≤ 8.00	PASS
		2437	-11.38	≤ 8.00	PASS
		2462	-11.52	≤ 8.00	PASS
11G	Ant0	2412	-17.91	≤ 8.00	PASS
		2437	-17.09	≤ 8.00	PASS
		2462	-18.74	≤ 8.00	PASS
11N20SISO	Ant0	2412	-19.59	≤ 8.00	PASS
		2437	-17.78	≤ 8.00	PASS
		2462	-19.1	≤ 8.00	PASS
11N40SISO	Ant0	2422	-22.03	≤ 8.00	PASS
		2437	-20.14	≤ 8.00	PASS
		2452	-19.87	≤ 8.00	PASS

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.67	≤ 8.00	PASS
		2437	-9.59	≤ 8.00	PASS
		2462	-9.38	≤ 8.00	PASS
11G	Ant1	2412	-19.22	≤ 8.00	PASS
		2437	-18.6	≤ 8.00	PASS
		2462	-18.36	≤ 8.00	PASS
11N20SISO	Ant1	2412	-18.84	≤ 8.00	PASS
		2437	-19.11	≤ 8.00	PASS
		2462	-19.63	≤ 8.00	PASS
11N40SISO	Ant1	2422	-21.8	≤ 8.00	PASS
		2437	-22.02	≤ 8.00	PASS
		2452	-21.65	≤ 8.00	PASS



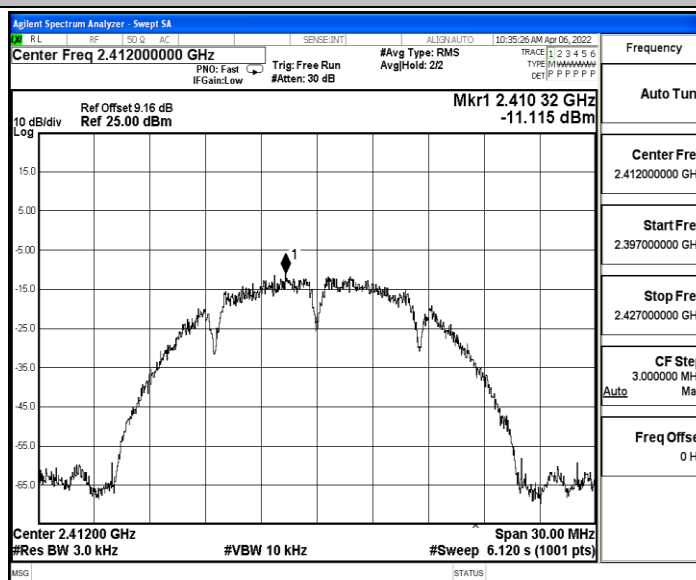


MIMO

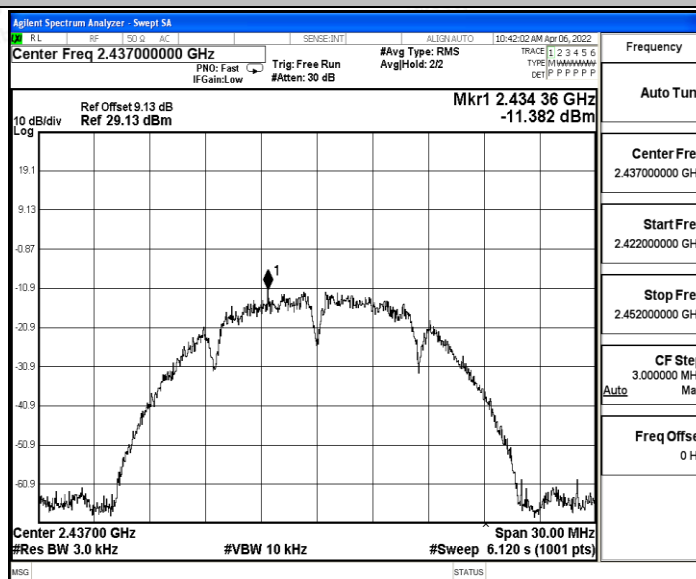
Mode	Channel	MIMO PSD [dBm/3KHz]			Limit [dBm/3KHz]	Verdict
		Ant 0	Ant 1	Sum		
11N20SISO	2412	-19.59	-18.84	-16.19	8.00	PASS
	2437	-17.78	-19.11	-15.38	8.00	PASS
	2462	-19.1	-19.63	-16.35	8.00	PASS
11N40SISO	2422	-22.03	-21.8	-18.90	8.00	PASS
	2437	-20.14	-22.02	-17.97	8.00	PASS
	2452	-19.87	-21.65	-17.66	8.00	PASS

Test Graphs

11B_Ant0_2412



11B_Ant0_2437



11B_Ant0_2462

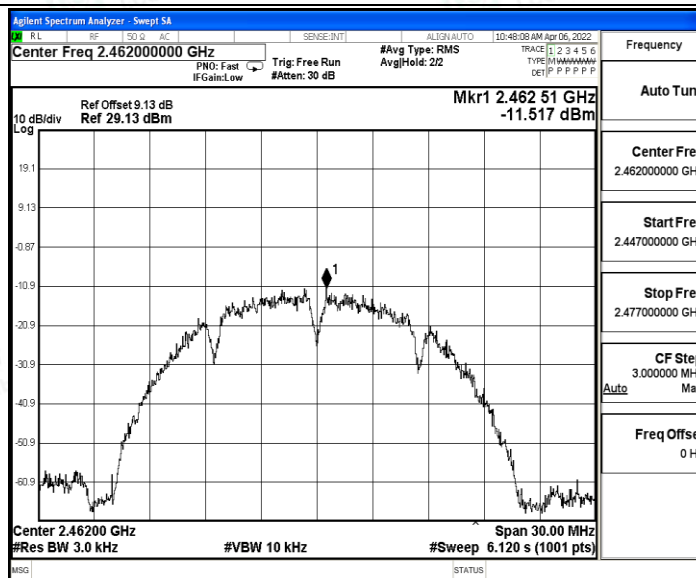


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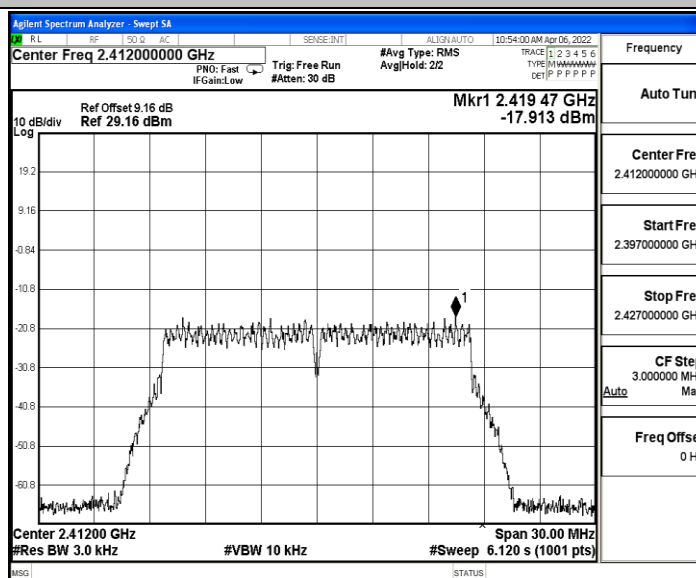
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

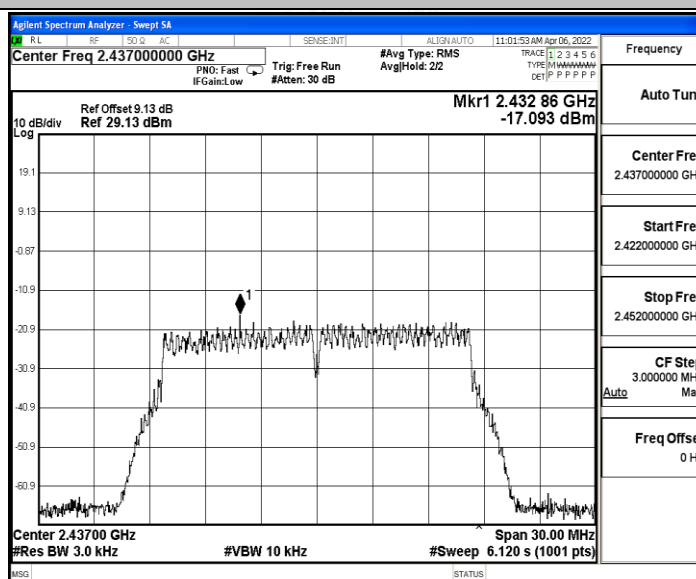
Scan code to check authenticity



11G_Ant0_2412

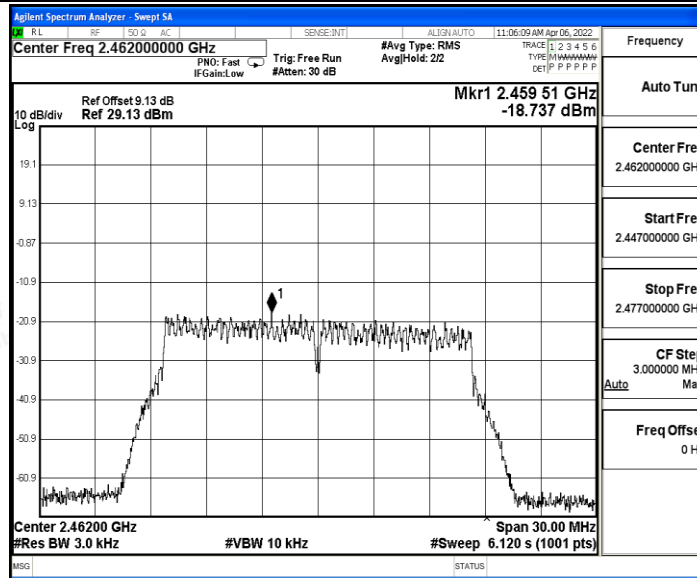


11G_Ant0_2437

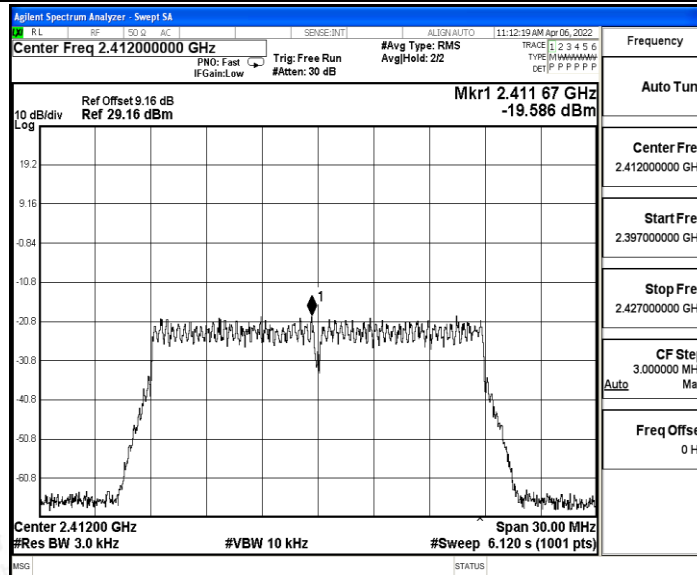




11G_Ant0_2462



11N20SISO_Ant0_2412



11N20SISO_Ant0_2437

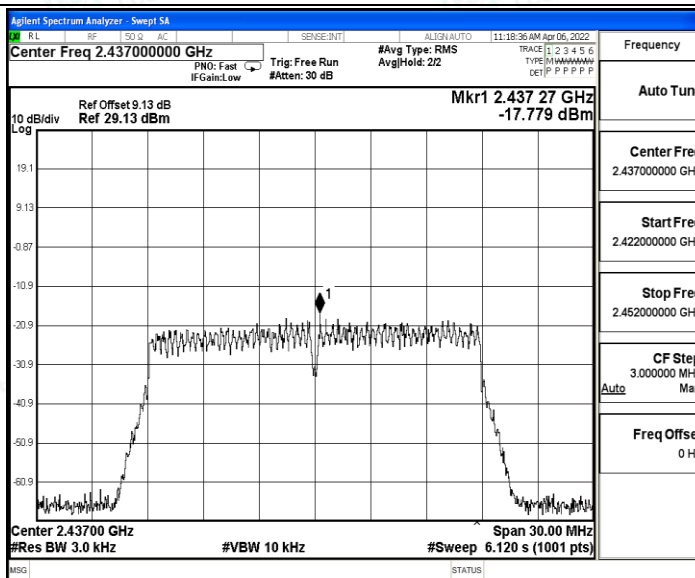


Shenzhen LCS Compliance Testing Laboratory Ltd.

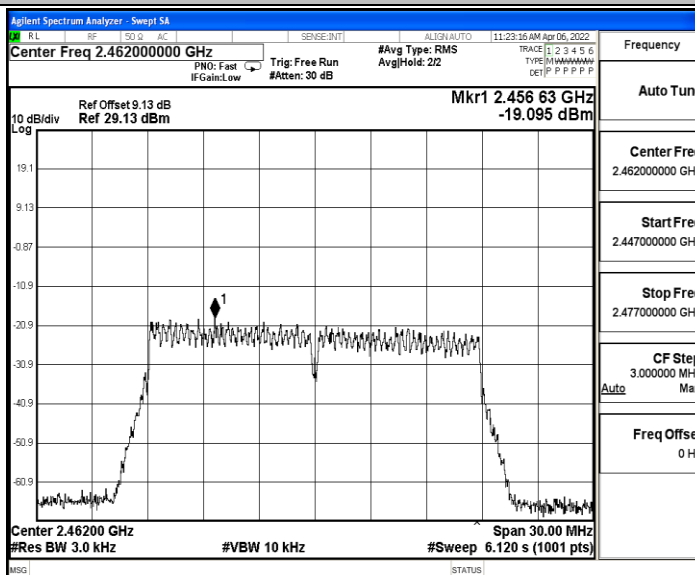
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

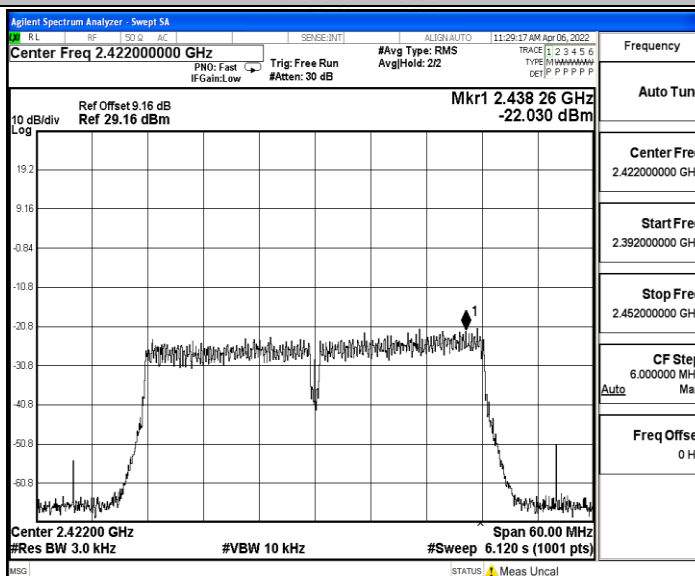
Scan code to check authenticity



11N20SISO_Ant0_2462



11N40SISO_Ant0_2422



Shenzhen LCS Compliance Testing Laboratory Ltd.

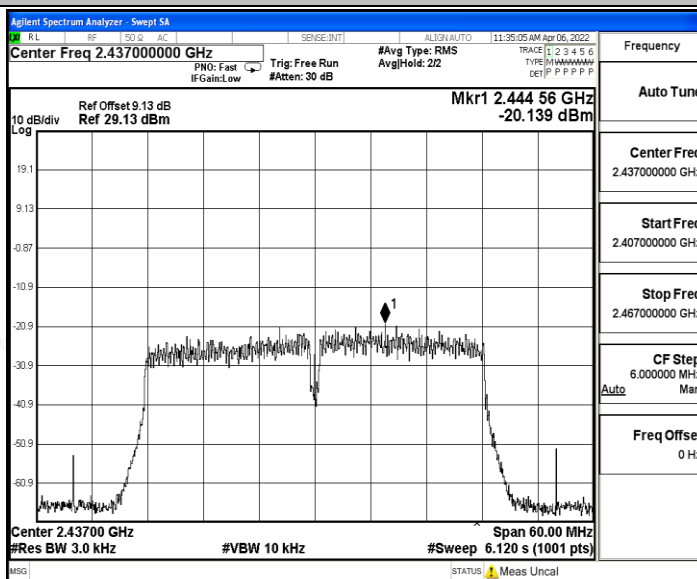
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

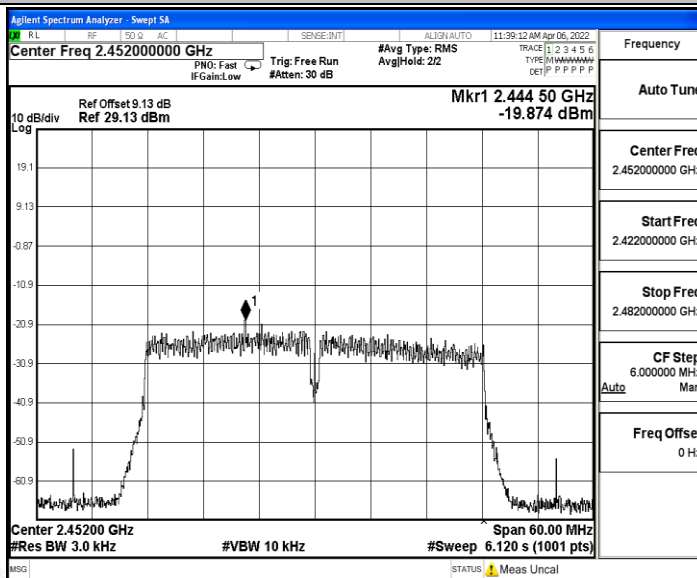
Scan code to check authenticity



11N40SISO_Ant0_2437

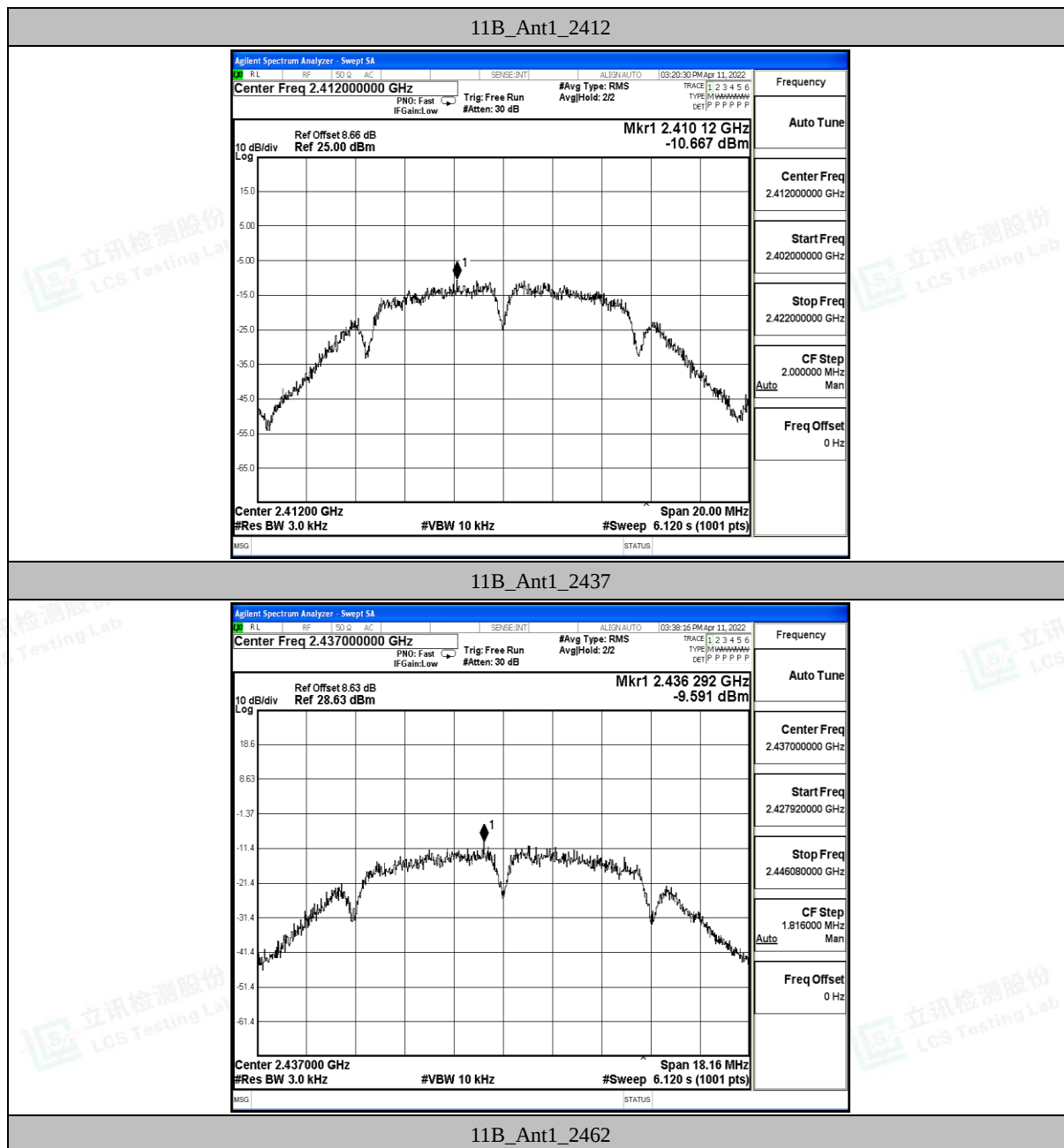


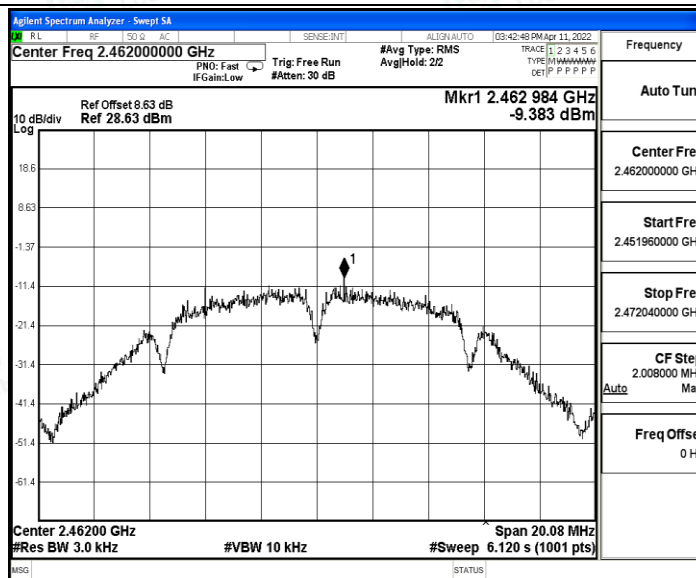
11N40SISO_Ant0_2452



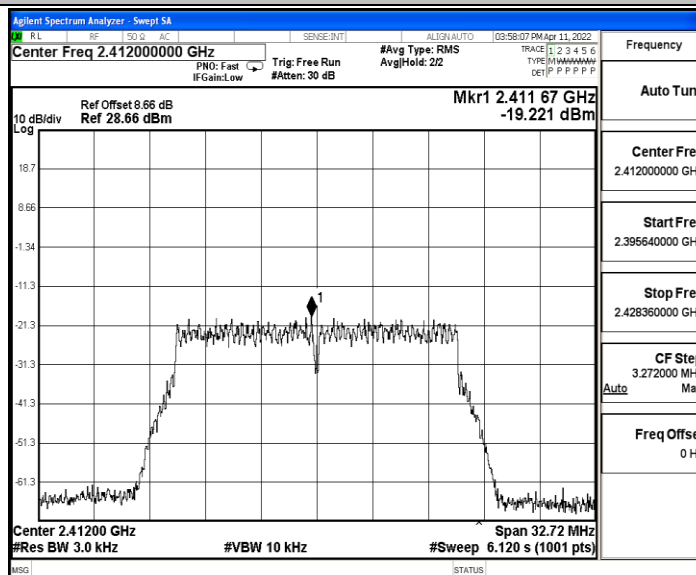


Test Graphs

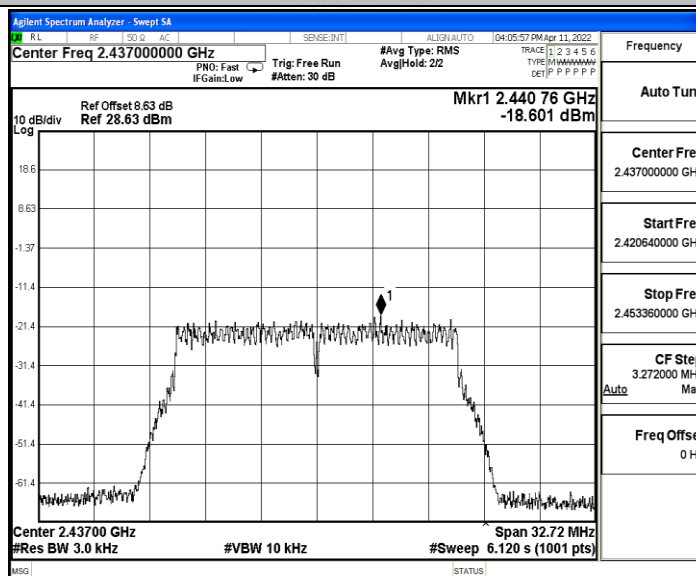




11G_Ant1_2412

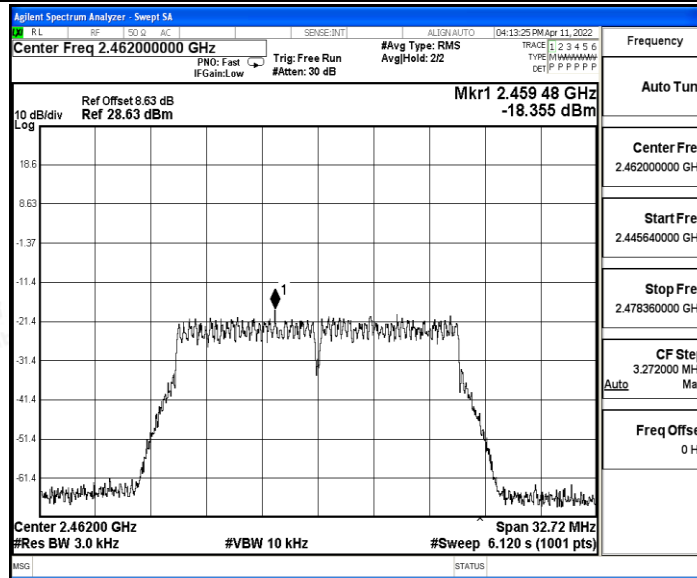


11G_Ant1_2437

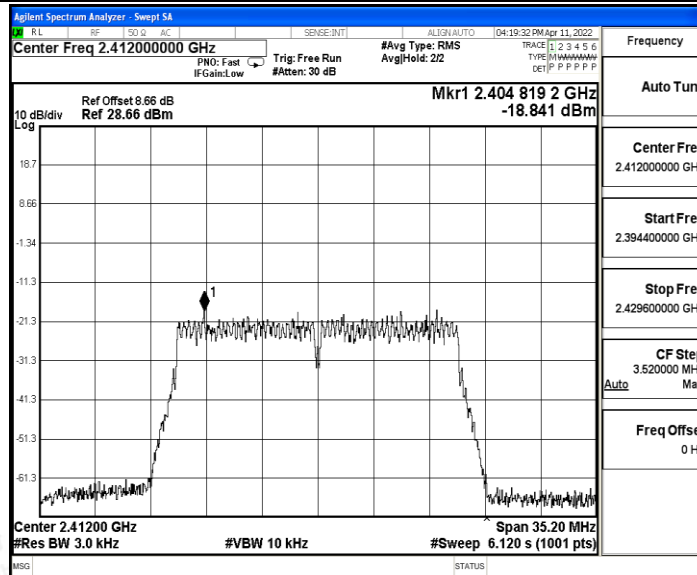




11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

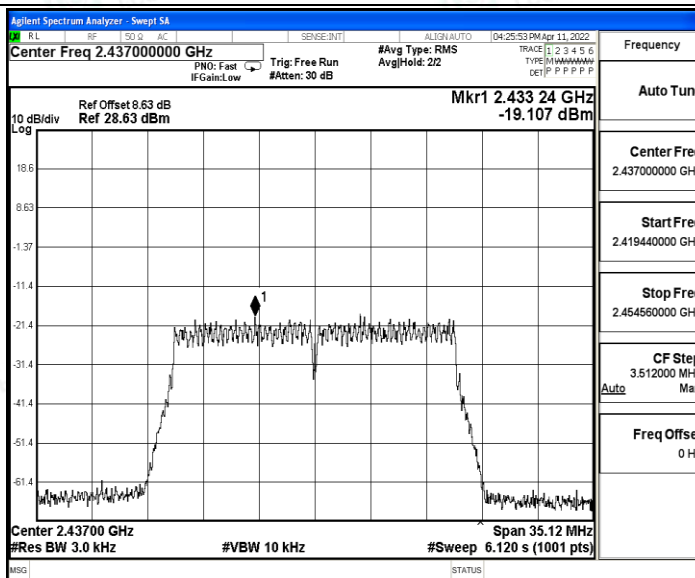


Shenzhen LCS Compliance Testing Laboratory Ltd.

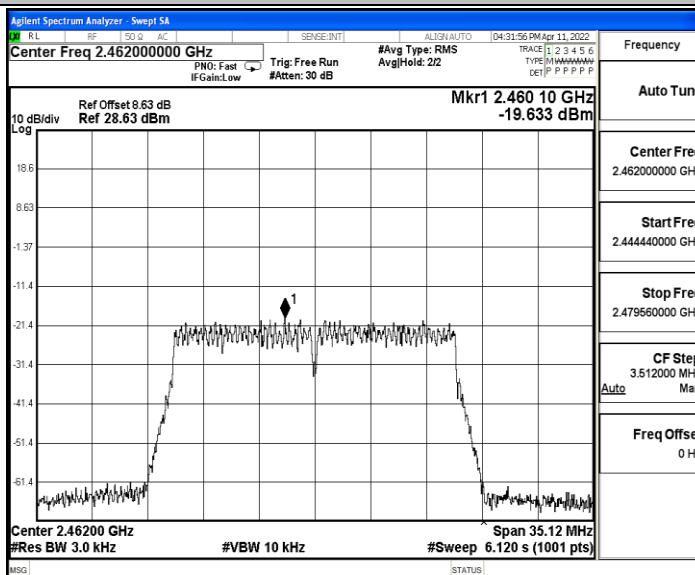
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

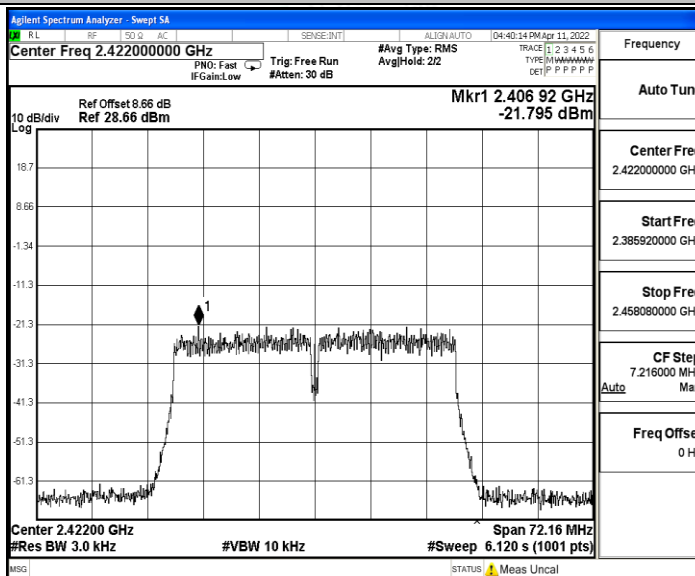
Scan code to check authenticity



11N20SISO_Ant1_2462

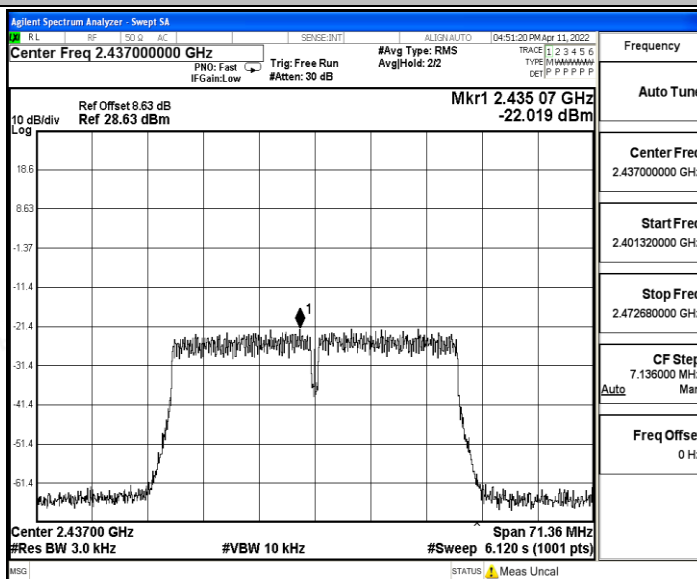


11N40SISO_Ant1_2422

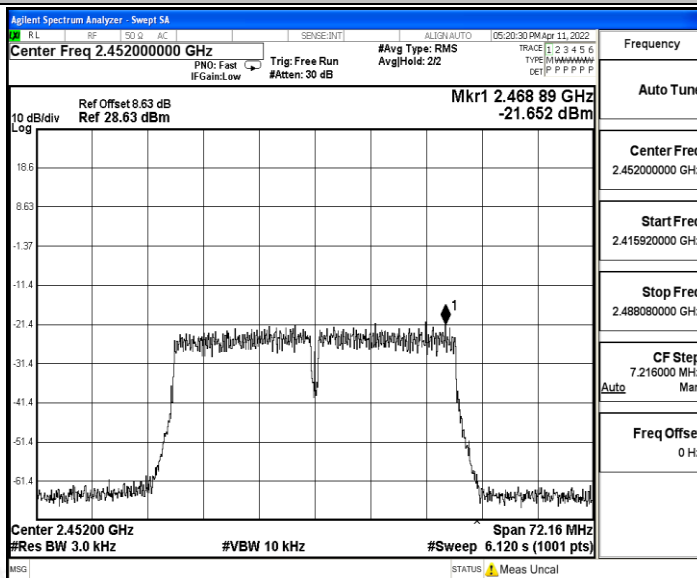




11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



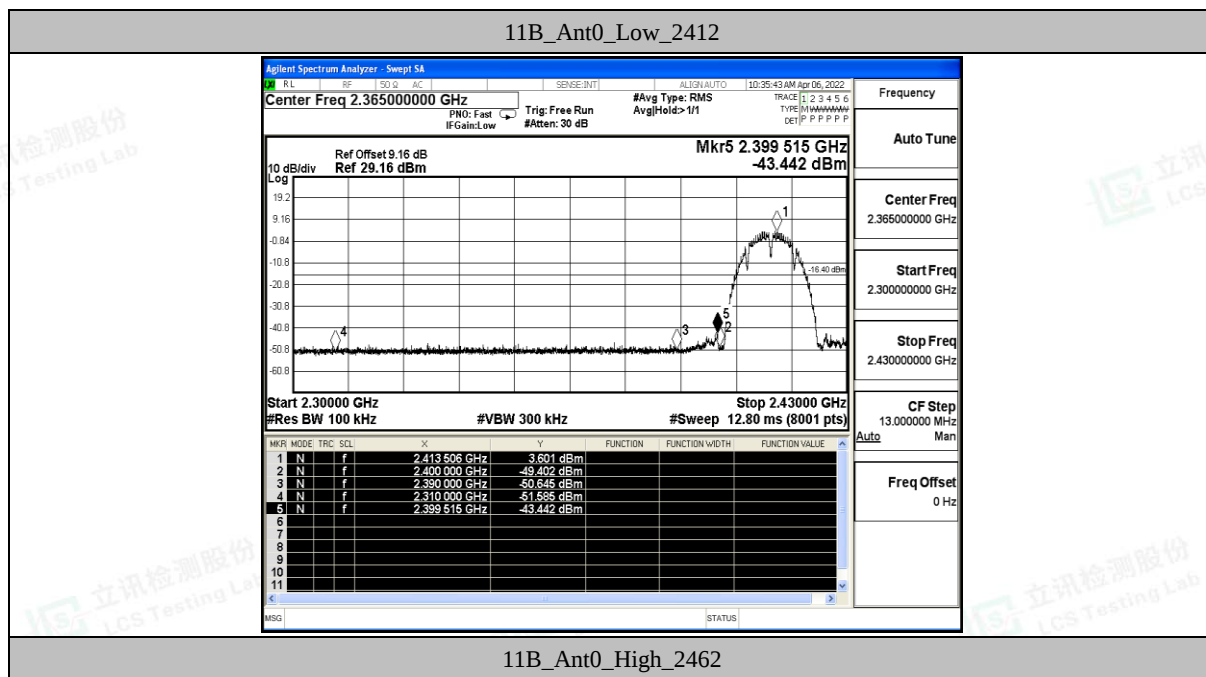


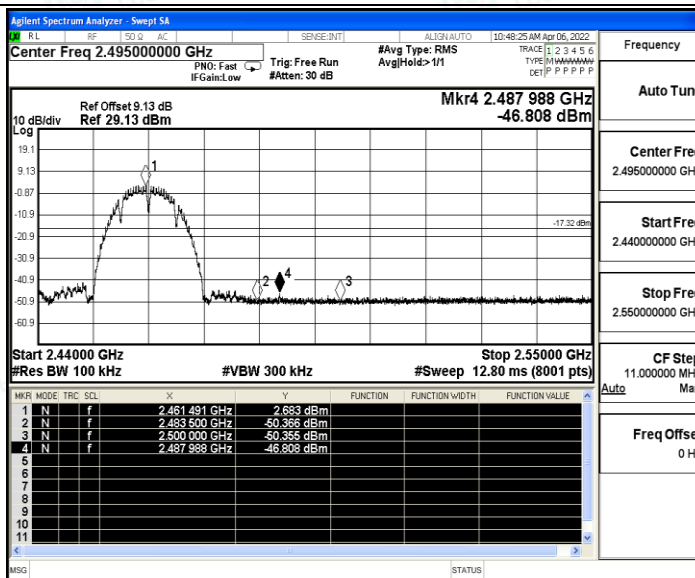
B.4 Band edge measurements

Test Result

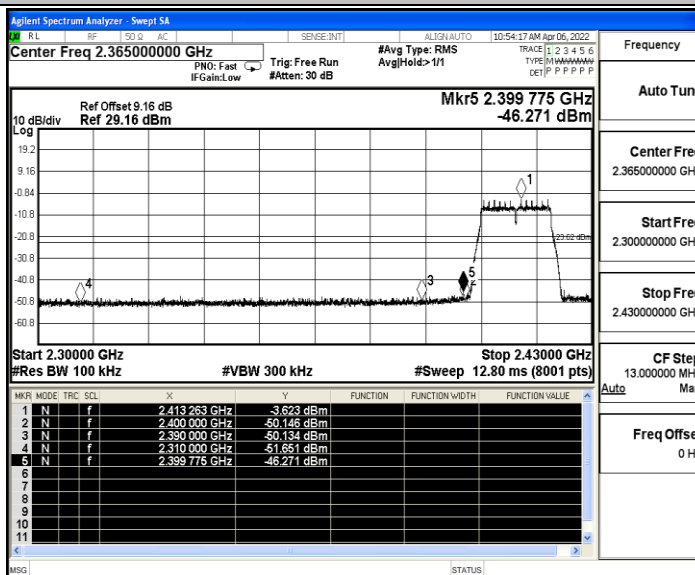
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	3.60	-43.44	≤ -16.4	PASS
		High	2462	2.68	-46.81	≤ -17.32	PASS
11G	Ant0	Low	2412	-3.62	-46.27	≤ -23.62	PASS
		High	2462	-4.04	-46.07	≤ -24.04	PASS
11N20SISO	Ant0	Low	2412	-4.65	-46.66	≤ -24.65	PASS
		High	2462	-4.56	-46.17	≤ -24.56	PASS
11N40SISO	Ant0	Low	2422	-7.96	-46.86	≤ -27.96	PASS
		High	2452	-6.30	-47.17	≤ -26.3	PASS

Test Graphs

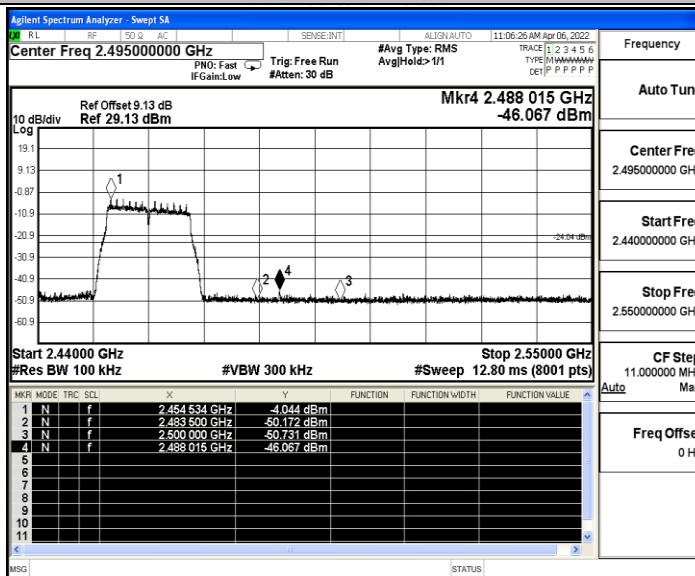




11G_Ant0_Low_2412

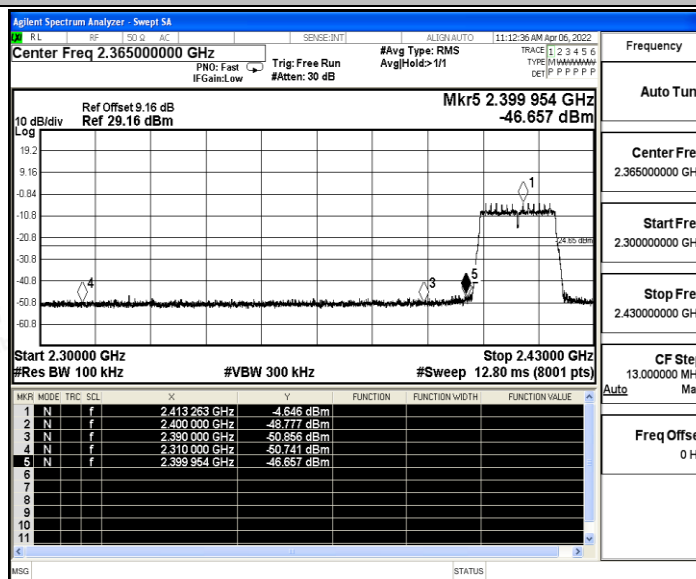


11G_Ant0_High_2462

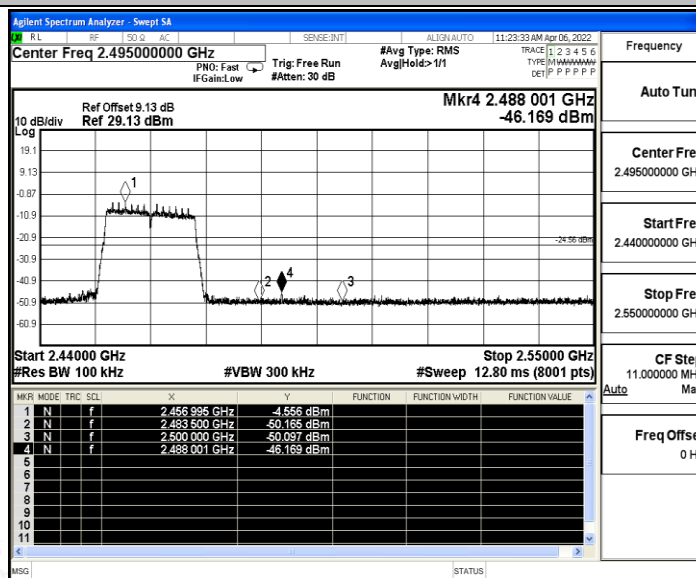




11N20SISO_Ant0_Low_2412



11N20SISO_Ant0_High_2462



11N40SISO_Ant0_Low_2422

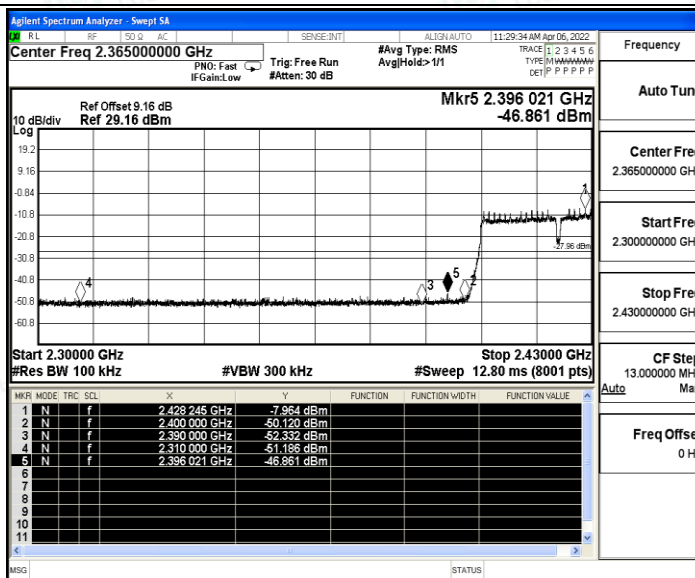


Shenzhen LCS Compliance Testing Laboratory Ltd.

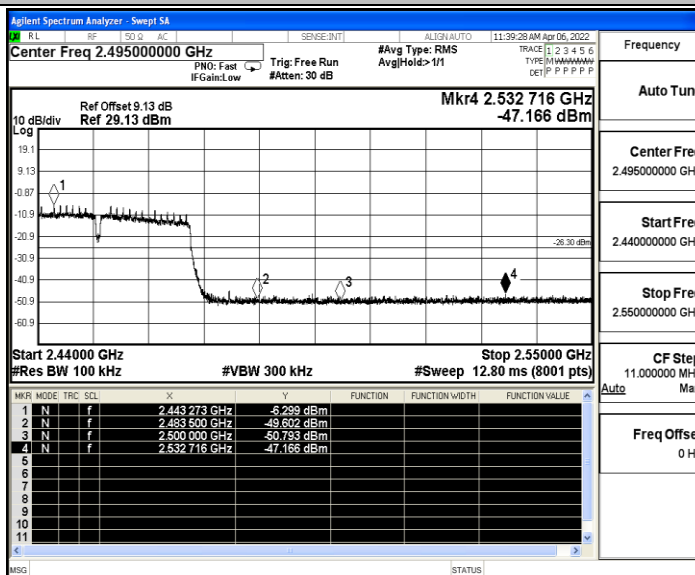
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Scan code to check authenticity



11N40SISO_Ant0_High_2452





TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.56	-36.33	≤ -16.44	PASS
		High	2462	3.18	-47.63	≤ -16.82	PASS
11G	Ant1	Low	2412	-4.34	-45.72	≤ -24.34	PASS
		High	2462	-4.74	-47.85	≤ -24.74	PASS
11N20SISO	Ant1	Low	2412	-4.36	-44.07	≤ -24.36	PASS
		High	2462	-4.74	-47.46	≤ -24.74	PASS
11N40SISO	Ant1	Low	2422	-7.22	-43.43	≤ -27.22	PASS
		High	2452	-6.81	-42.63	≤ -26.81	PASS

