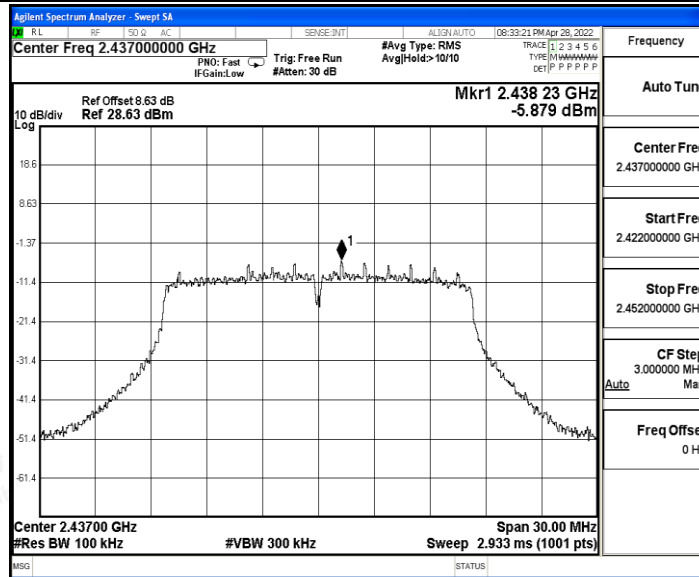
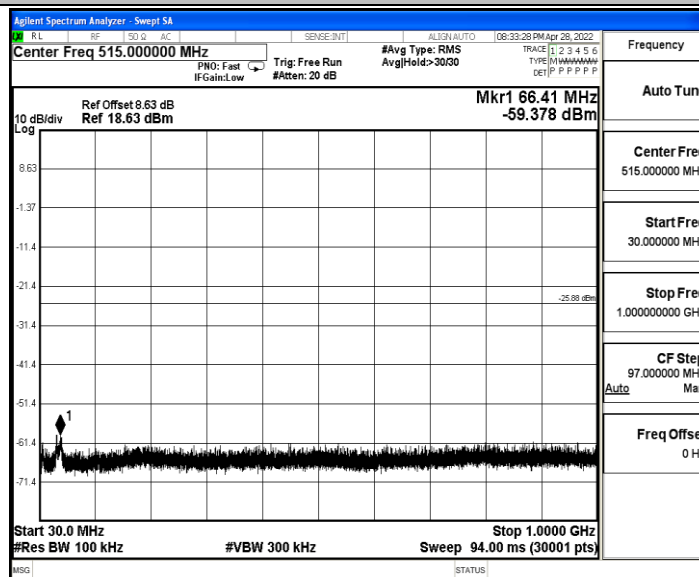
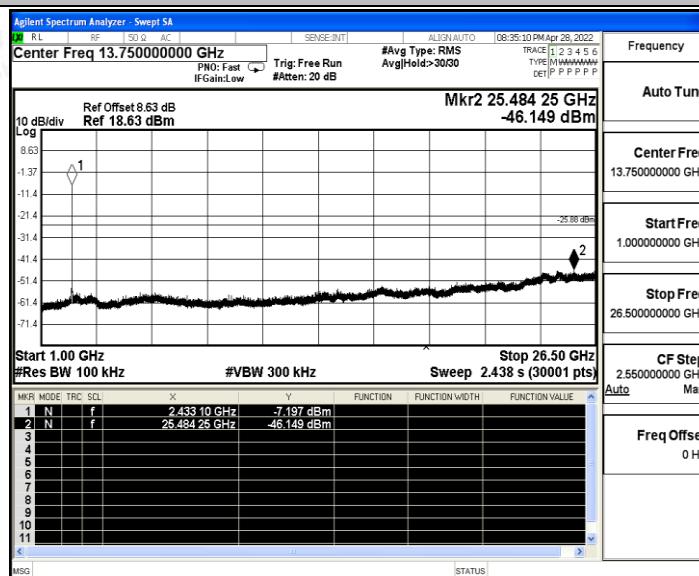




11G_Ant_2437_30~1000



11G_Ant_2437_1000~26500



Shenzhen LCS Compliance Testing Laboratory Ltd.

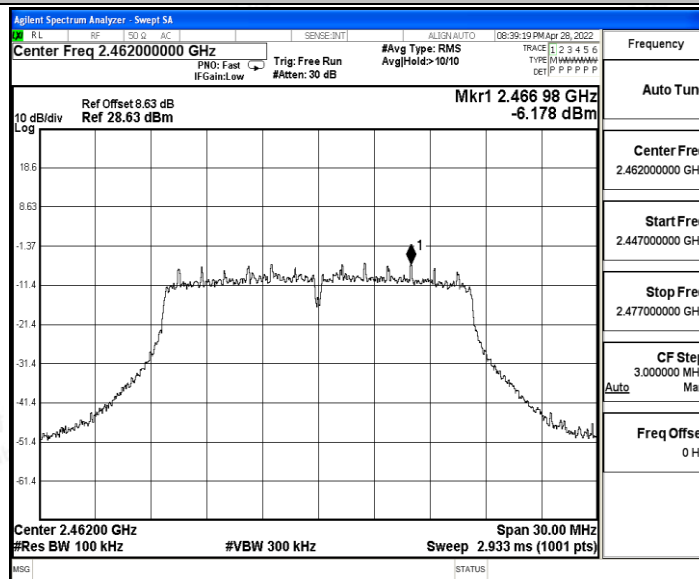
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

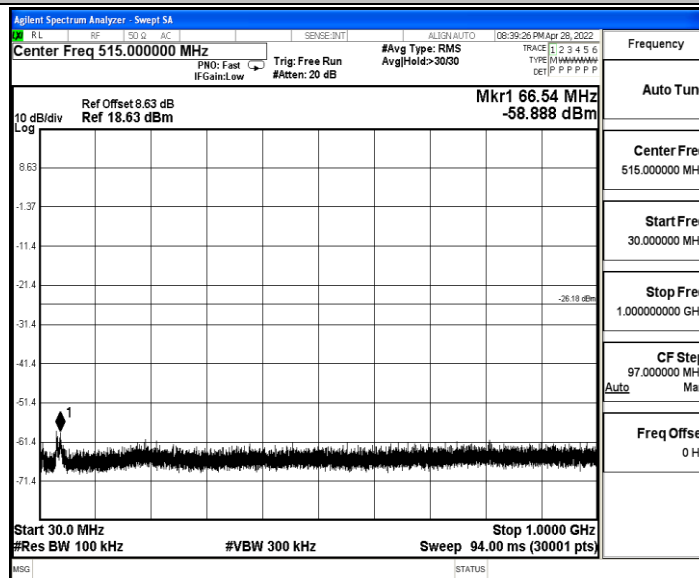
Scan code to check authenticity



11G_Ant_2462_0~Reference



11G_Ant_2462_30~1000



11G_Ant_2462_1000~26500

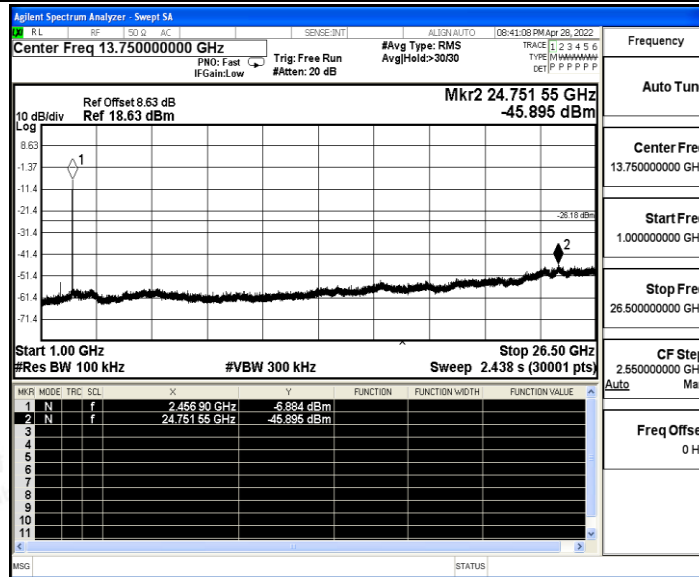


Shenzhen LCS Compliance Testing Laboratory Ltd.

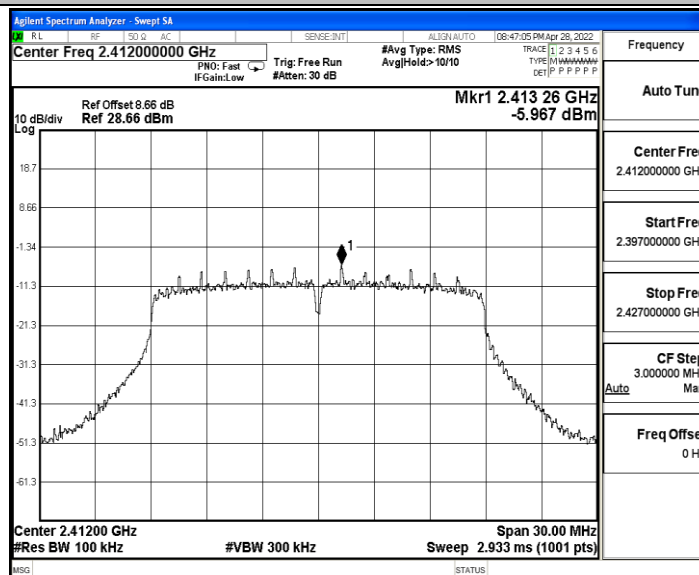
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

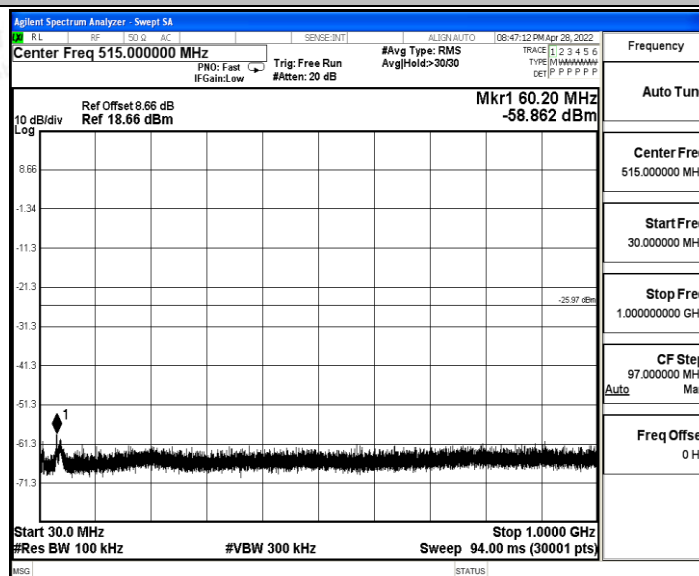
Scan code to check authenticity



11N20SISO_Ant_2412_0~Reference

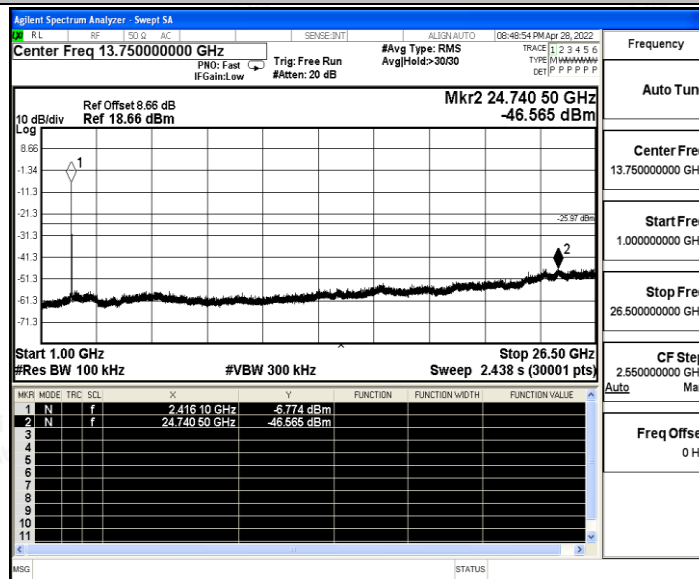


11N20SISO_Ant_2412_30~1000

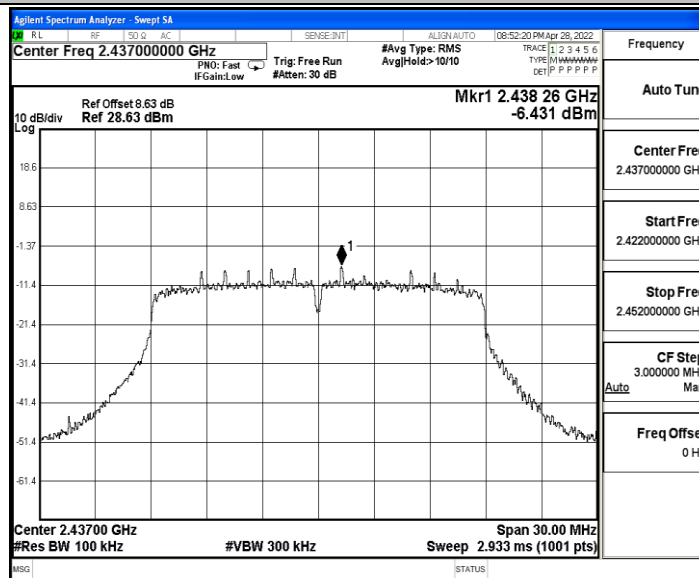




11N20SISO_Ant_2412_1000-26500



11N20SISO_Ant_2437_0~Reference



11N20SISO_Ant_2437_30~1000

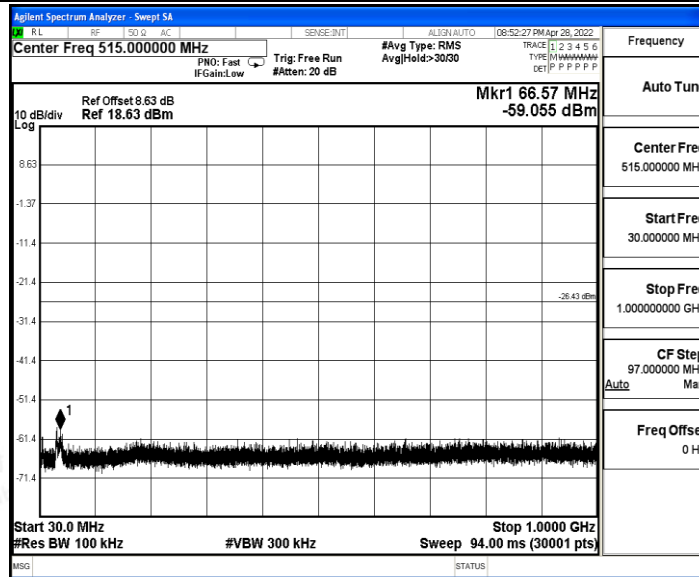


Shenzhen LCS Compliance Testing Laboratory Ltd.

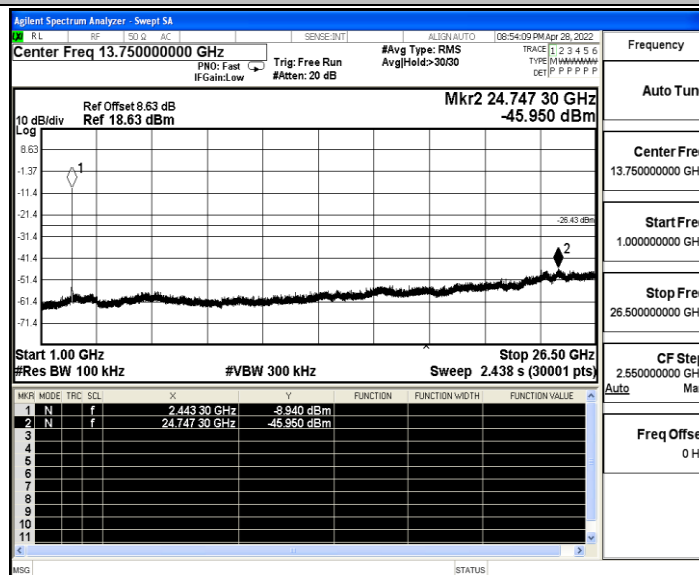
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

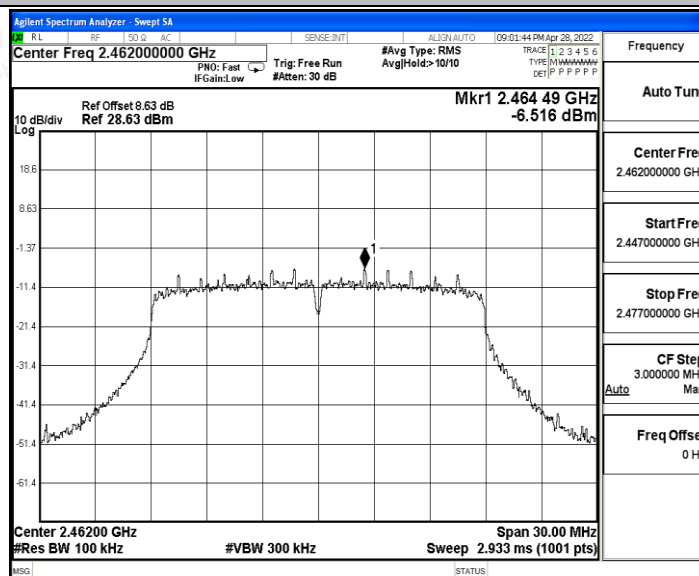
Scan code to check authenticity



11N20SISO_Ant_2437_1000~26500



11N20SISO_Ant_2462_0~Reference



Shenzhen LCS Compliance Testing Laboratory Ltd.

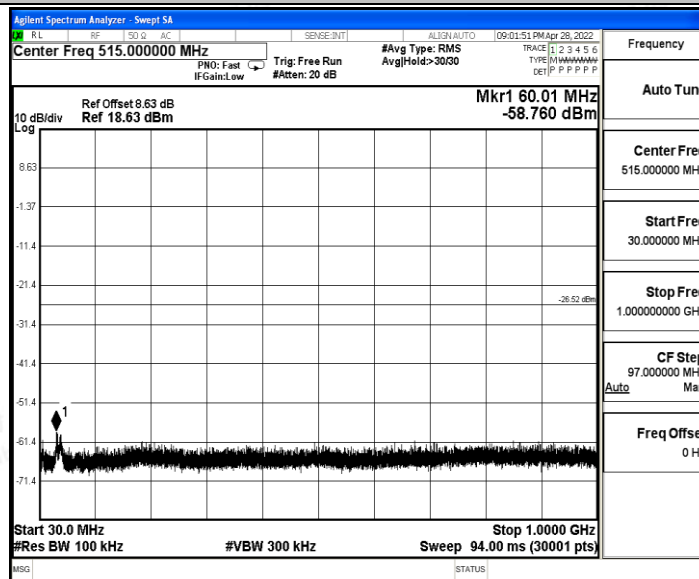
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

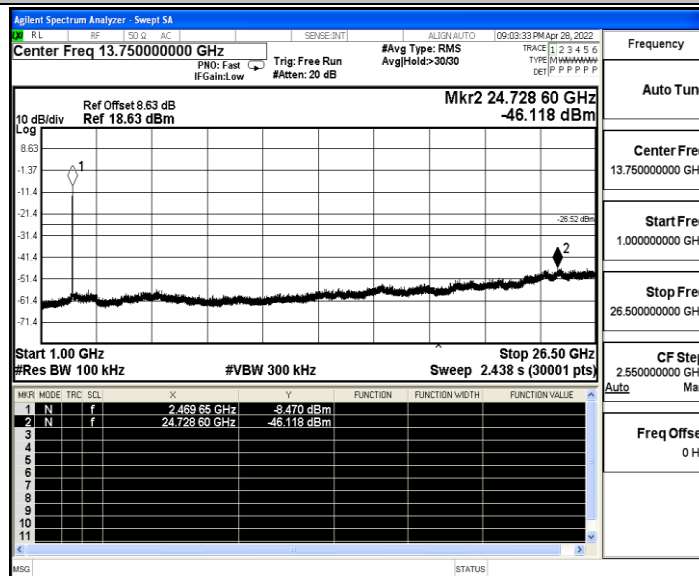
Scan code to check authenticity



11N20SISO_Ant_2462_30~1000



11N20SISO_Ant_2462_1000~26500



11N40SISO_Ant_2422_0~Reference

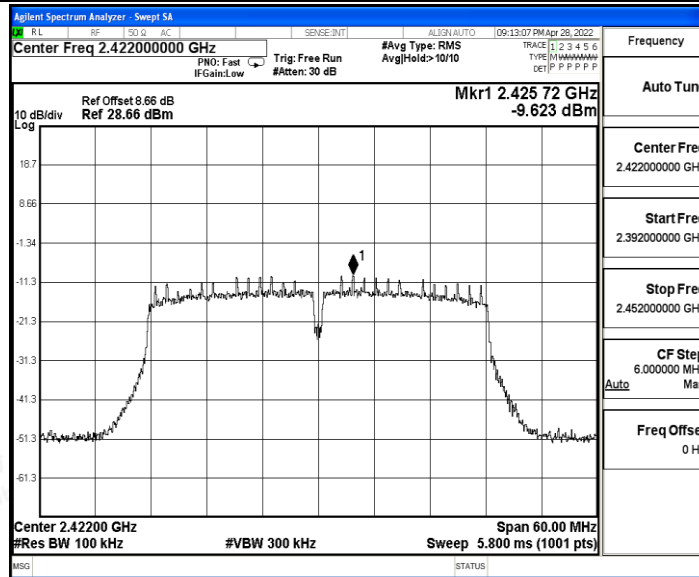


Shenzhen LCS Compliance Testing Laboratory Ltd.

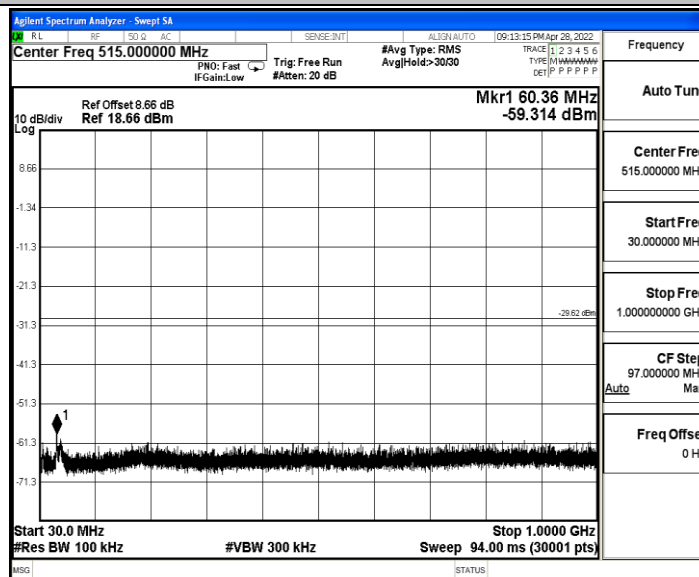
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

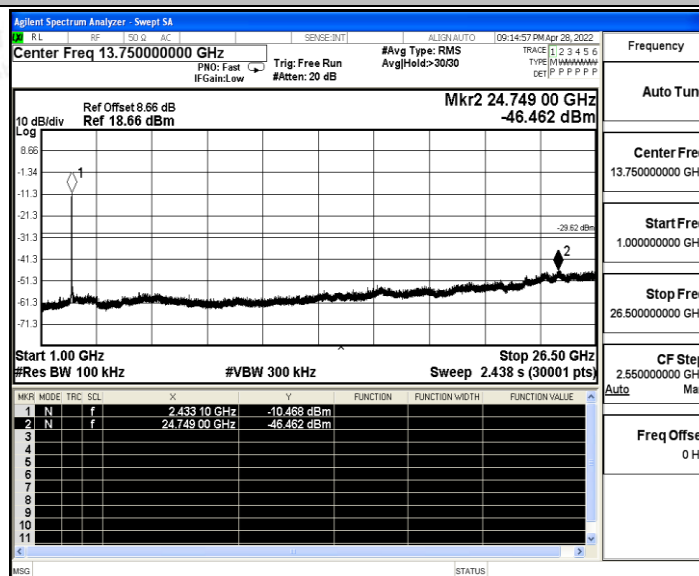
Scan code to check authenticity



11N40SISO_Ant_2422_30~1000



11N40SISO_Ant_2422_1000~26500



Shenzhen LCS Compliance Testing Laboratory Ltd.

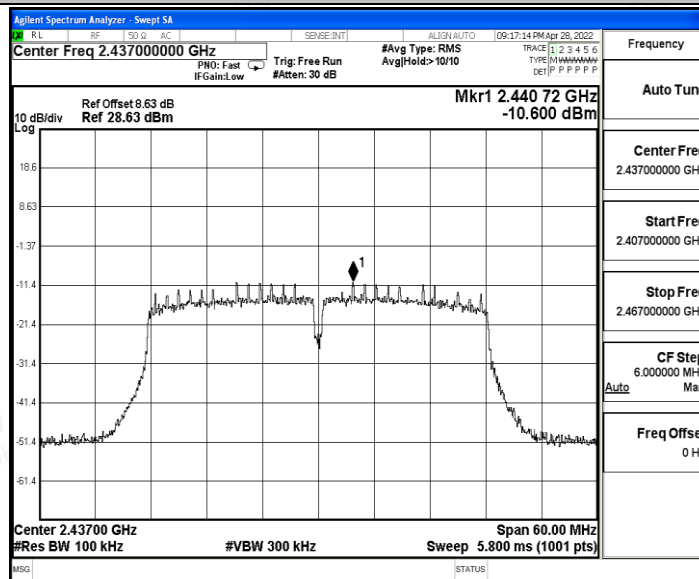
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

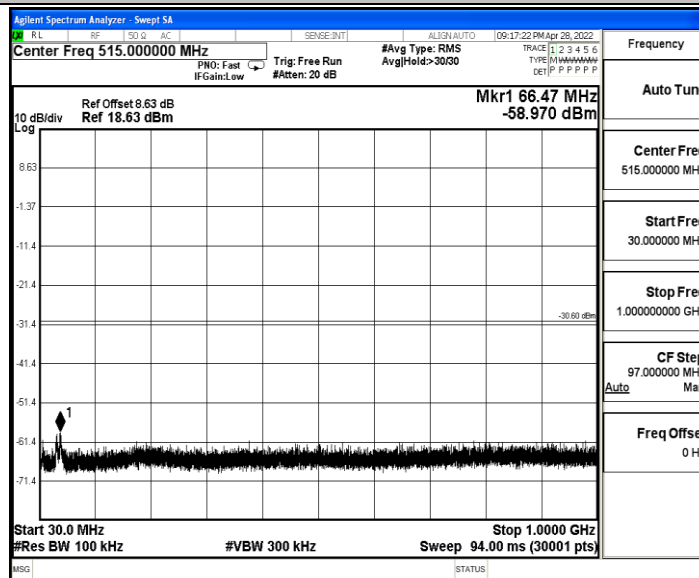
Scan code to check authenticity



11N40SISO_Ant_2437_0~Reference



11N40SISO_Ant_2437_30~1000



11N40SISO_Ant_2437_1000~26500

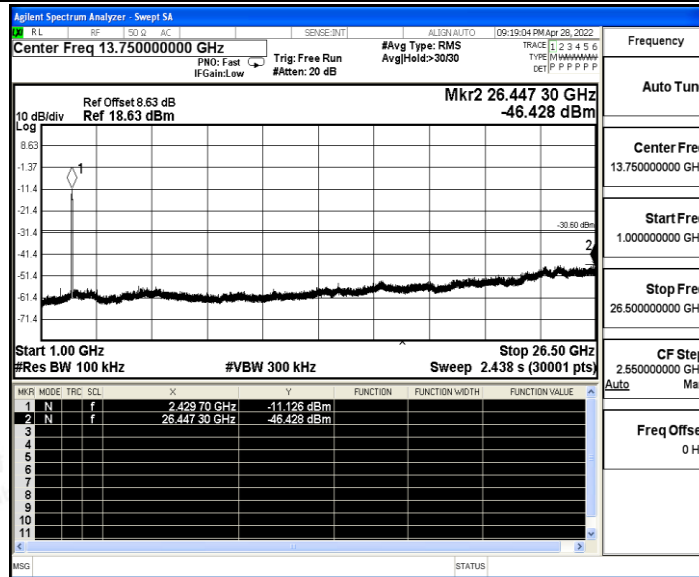


Shenzhen LCS Compliance Testing Laboratory Ltd.

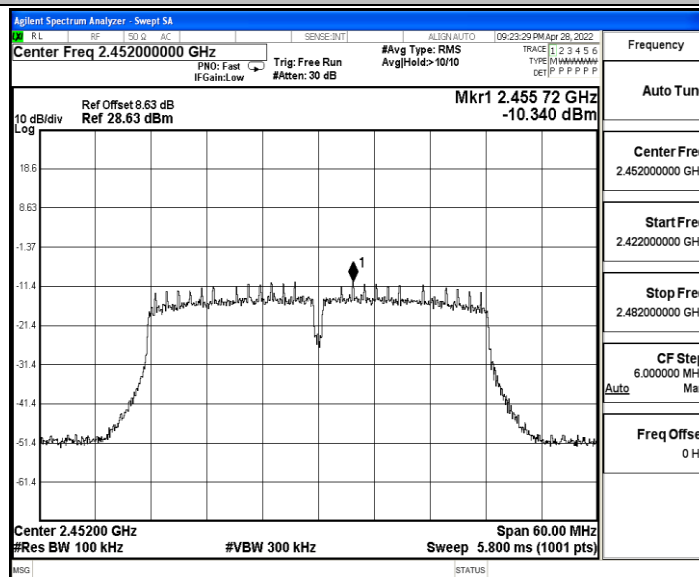
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

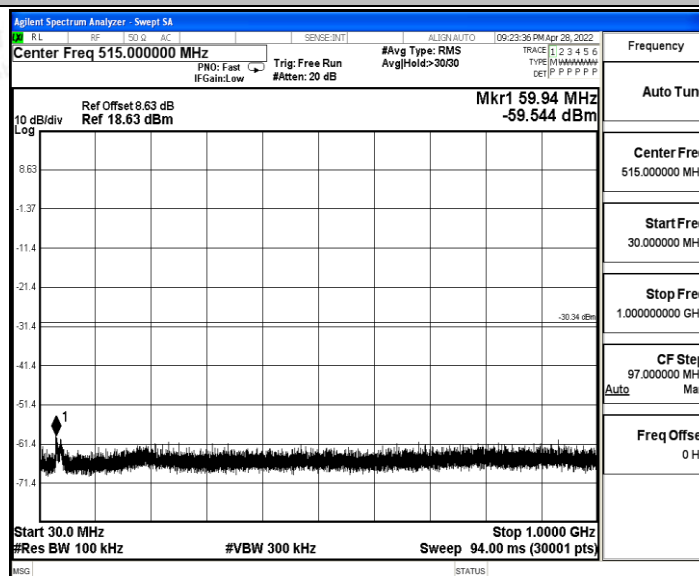
Scan code to check authenticity



11N40SISO_Ant_2452_0~Reference

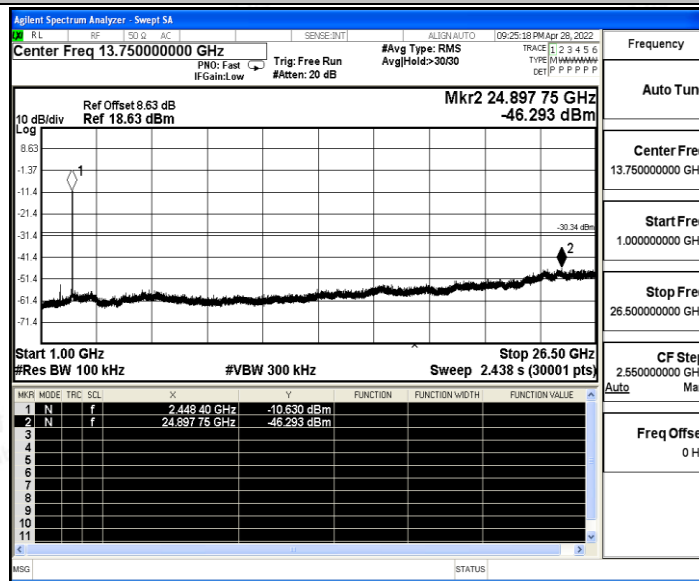


11N40SISO_Ant_2452_30~1000





11N40SISO_Ant_2452_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

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

Scan code to check authenticity



C.6 Duty Cycle

Test Result

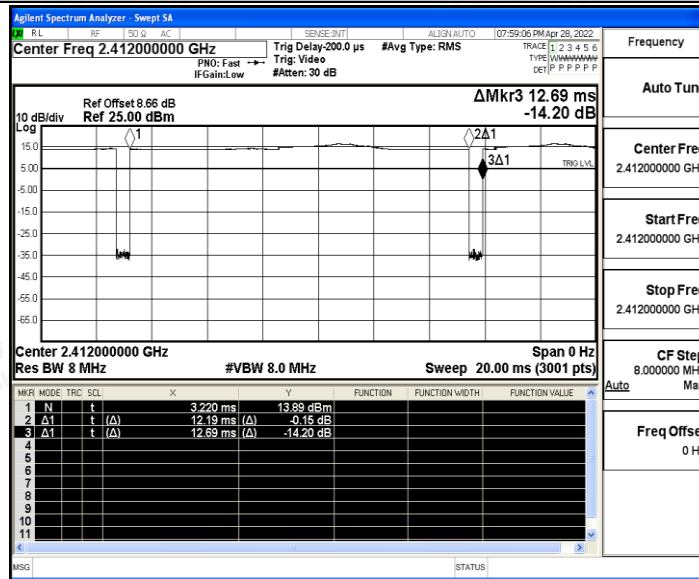
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant	2412	12.19	12.69	96.06
		2437	12.20	12.70	96.06
		2462	20.00	20.00	100.00
11G	Ant	2412	2.02	2.52	80.16
		2437	2.03	2.53	80.24
		2462	2.02	2.52	80.16
11N20SISO	Ant	2412	1.89	2.39	79.08
		2437	1.89	2.39	79.08
		2462	1.89	2.39	79.08
11N40SISO	Ant	2422	0.93	1.43	65.03
		2437	0.93	1.43	65.03
		2452	0.93	1.43	65.03



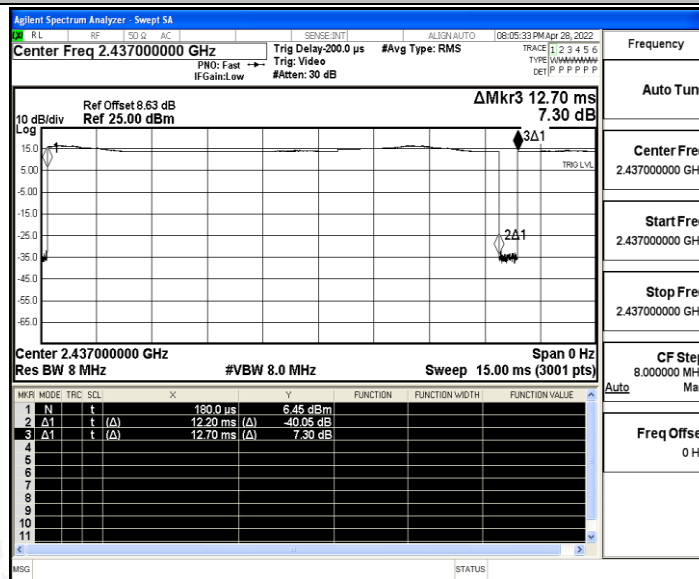


Test Graphs

11B_Ant_2412



11B_Ant_2437



11B_Ant_2462

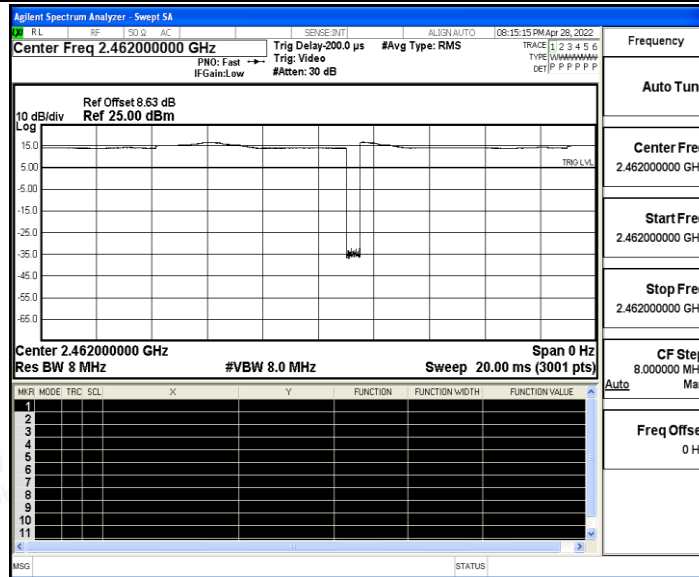


Shenzhen LCS Compliance Testing Laboratory Ltd.

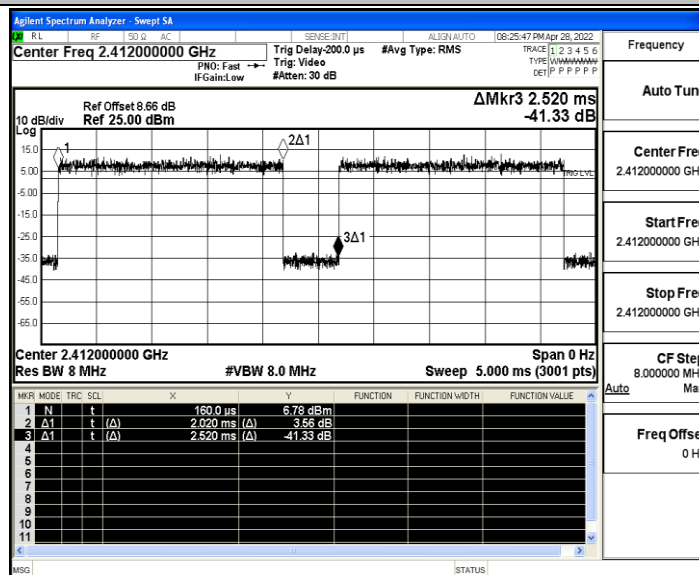
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

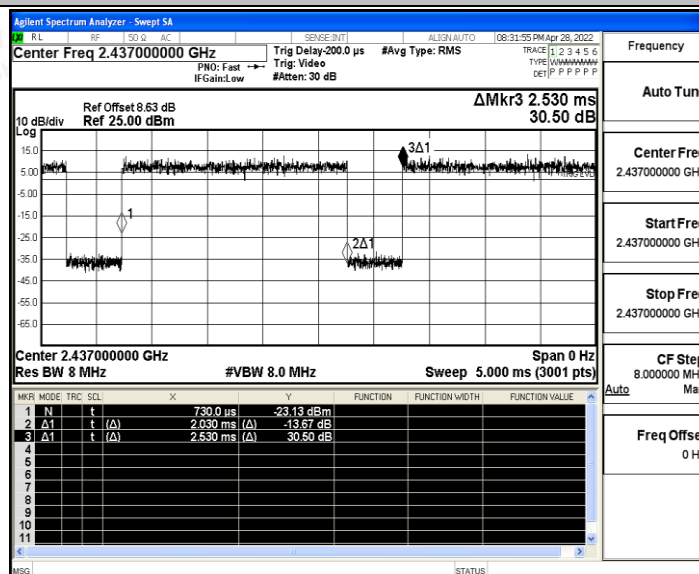
Scan code to check authenticity



11G_Ant_2412



11G_Ant_2437



Shenzhen LCS Compliance Testing Laboratory Ltd.

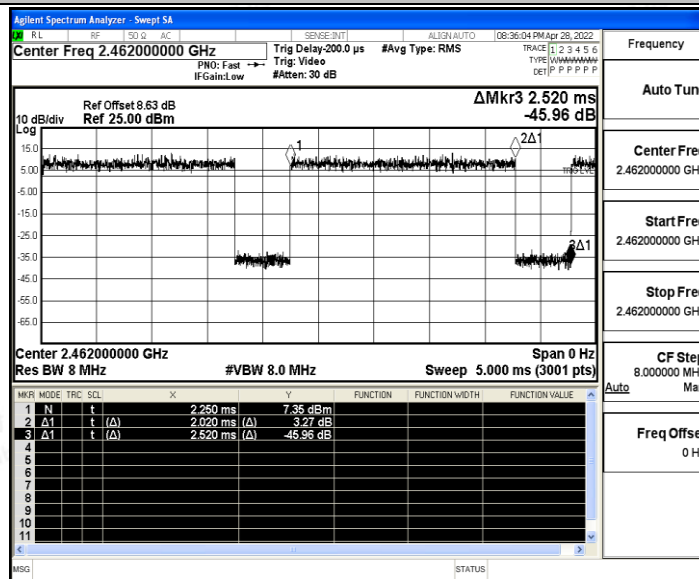
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

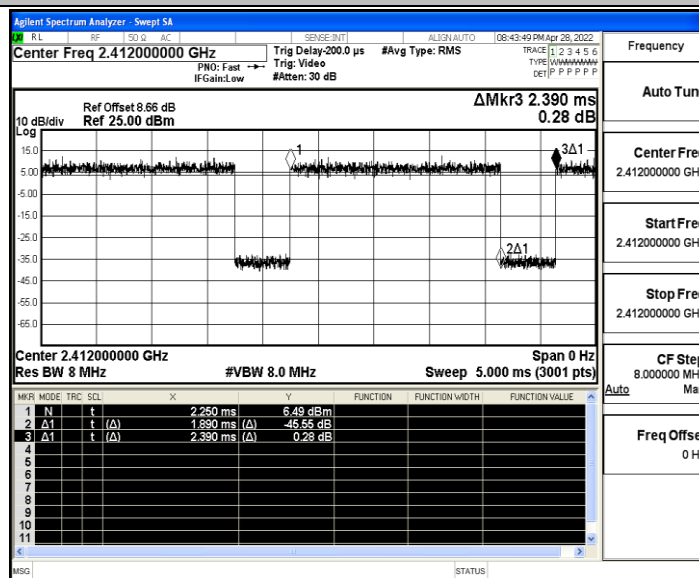
Scan code to check authenticity



11G_Ant_2462



11N20SISO_Ant_2412



11N20SISO_Ant_2437

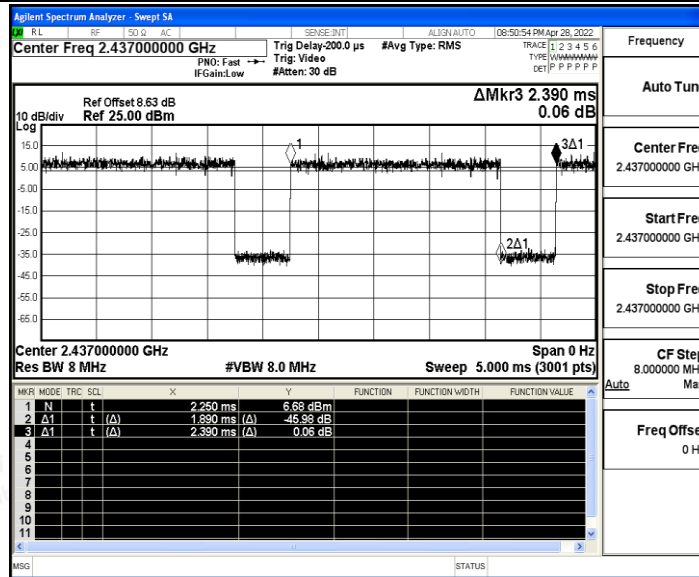


Shenzhen LCS Compliance Testing Laboratory Ltd.

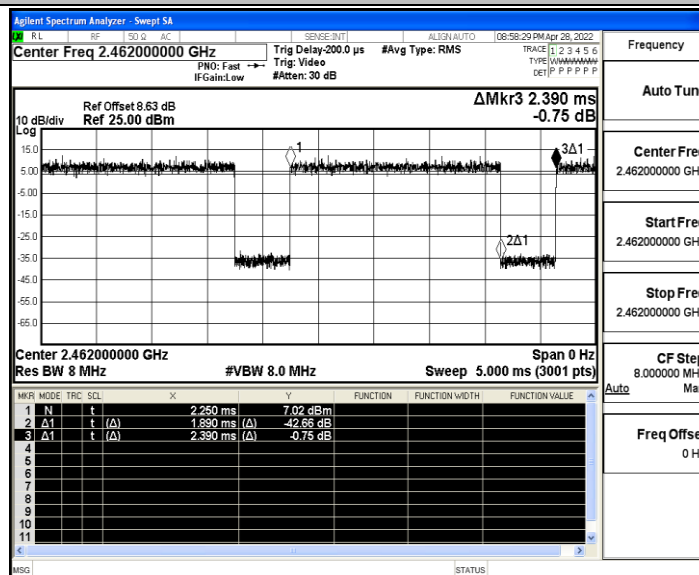
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

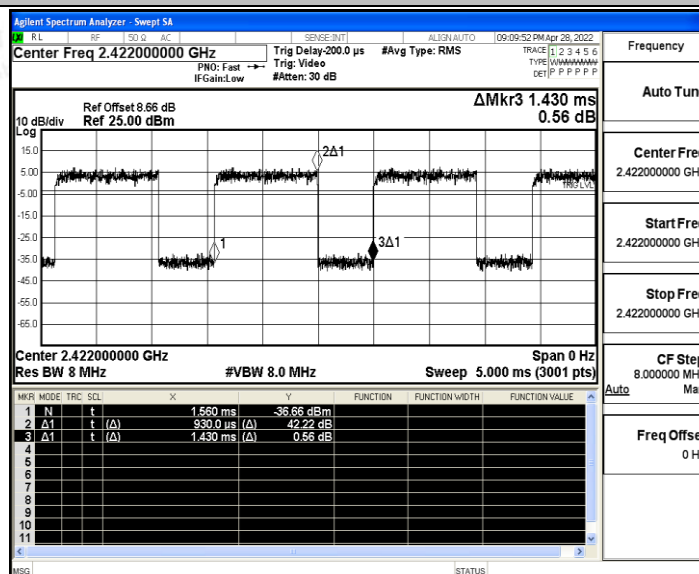
Scan code to check authenticity



11N20SISO_Ant_2462



11N40SISO_Ant_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



Agilent Spectrum Analyzer - Swept SA

RL RF SW Q AC SENSE INT ALIGN AUTO 09:15:48 PM Apr 28, 2022

Center Freq 2.437000000 GHz Trig Delay=200.0 μs #Avg Type: RMS
 PRO: Fast → IF Gain: Low Trig: Video #Atten: 30 dB TRACE [1] 2 3 4 5 6
 TYPE WWWWMMW DEJ P P P P P P

Ref Offset 8.63 dB ΔMkr3 1.430 ms
 Ref 25.00 dBm 0.33 dBm

10 dB/div
 Log

Center 2.437000000 GHz Span 0 Hz
 Res BW 8 MHz #VBW 8.0 MHz Sweep 5.000 ms (3001 pts)

MkR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	t		1.560 ms	-37.12 dBm			
2	Δ1	t	(Δ)	930.0 μs (Δ)	41.88 dB			
3	Δ1	t	(Δ)	1.430 ms (Δ)	0.33 dB			
4								
5								
6								
7								
8								
9								
10								
11								

Auto Man CF Step 8.000000 MHz Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF SFO AC SENSE INT ALIGN AUTO 09:20:14 PM Apr 28, 2022

Center Freq 2.452000000 GHz Trig Delay: 200.0 μ s #Avg Type: RMS

Trace 1 2 3 4 5 6
Type: WAAAAAA
Det: P P P P P

PRN: Fast $\rightarrow$ IF Gain: Low #Atten: 30 dB

Frequency Auto Tune

Ref Offset 8.63 dB
Ref 25.00 dBm

Δ Mkr3 1.430 ms
1.67 dB

10 dBdiv
Log

Ref Offset 8.63 dB
Ref 25.00 dBm

Δ Mkr3 1.430 ms
1.67 dB

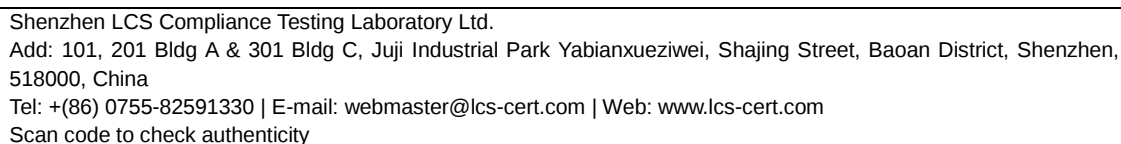
Center 2.452000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 5.000 ms (3001 pts)

MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	t		1.560 ms	-37.39 dBm			
2	Δ 1	t	(Δ)	930.0 μ s (Δ)	42.21 dB			
3	Δ 1	t	(Δ)	1.430 ms (Δ)	1.67 dB			
4								
5								
6								
7								
8								
9								
10								
11								

Auto Man

Freq Offset 0 Hz

STATUS





C.7 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant	Low	2412	AV	2310.000	-48.96	46.24	≤54	PASS
				AV	2386.320	-48.13	47.07	≤54	PASS
				AV	2390.000	-48.25	46.95	≤54	PASS
				Peak	2310.000	-37.86	57.34	≤74	PASS
				Peak	2341.340	-36.15	59.05	≤74	PASS
				Peak	2390.000	-37.32	57.88	≤74	PASS
		High	2462	AV	2483.500	-47.68	47.52	≤54	PASS
				AV	2499.730	-47.63	47.57	≤54	PASS
				AV	2500.000	-47.64	47.56	≤54	PASS
				Peak	2483.500	-37.91	57.29	≤74	PASS
				Peak	2485.320	-35.22	59.98	≤74	PASS
				Peak	2500.000	-36.23	58.97	≤74	PASS
11G	Ant	Low	2412	AV	2310.000	-48.74	46.46	≤54	PASS
				AV	2389.700	-48.05	47.15	≤54	PASS
				AV	2390.000	-48.22	46.98	≤54	PASS
				Peak	2310.000	-38.62	56.58	≤74	PASS
				Peak	2381.770	-35.95	59.25	≤74	PASS
				Peak	2390.000	-38.16	57.04	≤74	PASS
		High	2462	AV	2483.500	-47.89	47.31	≤54	PASS
				AV	2499.730	-47.63	47.57	≤54	PASS
				AV	2500.000	-47.69	47.51	≤54	PASS
				Peak	2483.500	-35.72	59.48	≤74	PASS
				Peak	2486.640	-35.26	59.94	≤74	PASS
				Peak	2500.000	-37.82	57.38	≤74	PASS
11N20SISO	Ant	Low	2412	AV	2310.000	-48.62	46.58	≤54	PASS
				AV	2388.140	-48.09	47.11	≤54	PASS
				AV	2390.000	-48.13	47.07	≤54	PASS
				Peak	2310.000	-38.88	56.32	≤74	PASS
				Peak	2385.410	-36.46	58.74	≤74	PASS
				Peak	2390.000	-37.47	57.73	≤74	PASS
		High	2462	AV	2483.500	-47.76	47.44	≤54	PASS
				AV	2499.730	-47.62	47.58	≤54	PASS
				AV	2500.000	-47.75	47.45	≤54	PASS
				Peak	2483.500	-35.83	59.37	≤74	PASS
				Peak	2496.650	-35.71	59.49	≤74	PASS
				Peak	2500.000	-37.53	57.67	≤74	PASS
11N40SISO	Ant	Low	2422	AV	2310.000	-48.33	46.87	≤54	PASS



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



			AV	2389.960	-47.75	47.45	≤54	PASS
			AV	2390.000	-47.75	47.45	≤54	PASS
			Peak	2310.000	-38.11	57.09	≤74	PASS
			Peak	2321.190	-36.52	58.68	≤74	PASS
			Peak	2390.000	-37.38	57.82	≤74	PASS
	High	2452	AV	2483.500	-47.56	47.64	≤54	PASS
			AV	2498.850	-47.17	48.03	≤54	PASS
			AV	2500.000	-47.46	47.74	≤54	PASS
			Peak	2483.500	-35.17	60.03	≤74	PASS
			Peak	2485.320	-35.02	60.18	≤74	PASS
			Peak	2500.000	-37.37	57.83	≤74	PASS

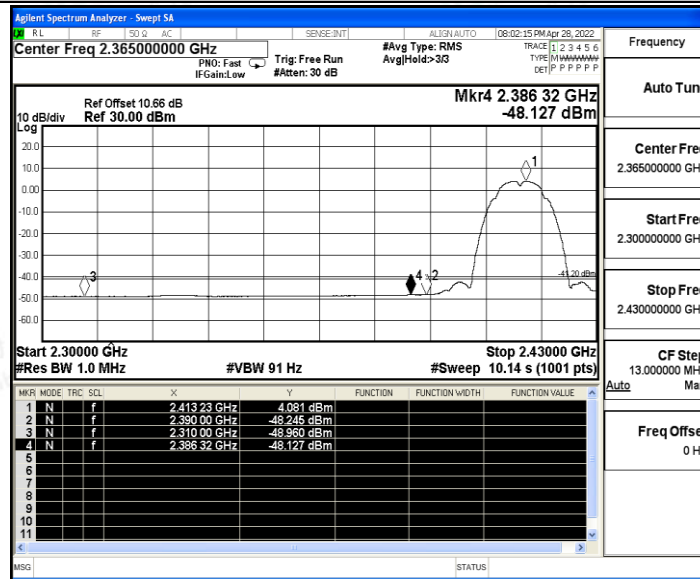
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



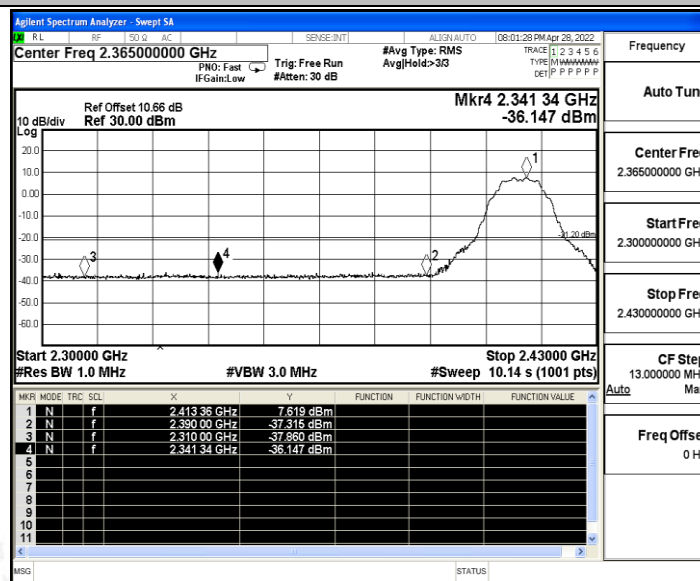


Test Graphs

11B_Ant_Low_2412_AV



11B_Ant_Low_2412_Peak



11B_Ant_High_2462_AV

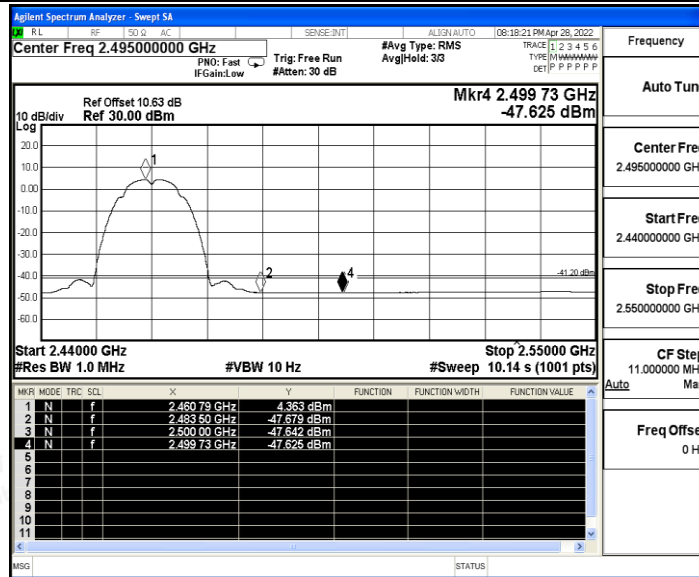


Shenzhen LCS Compliance Testing Laboratory Ltd.

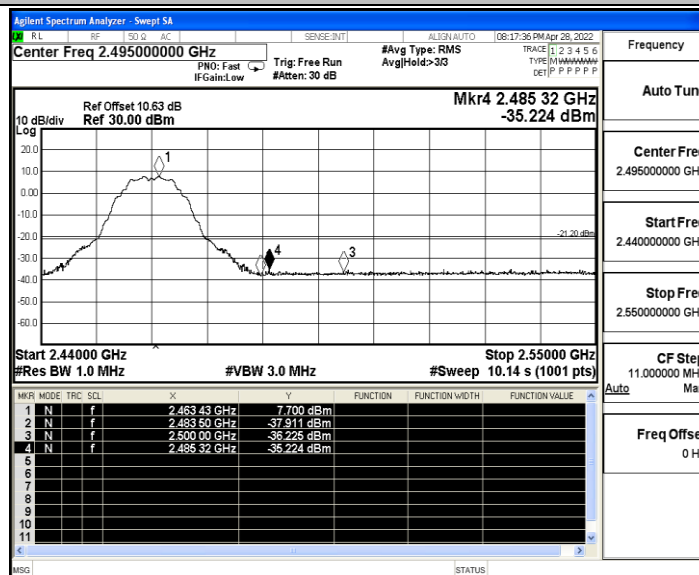
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

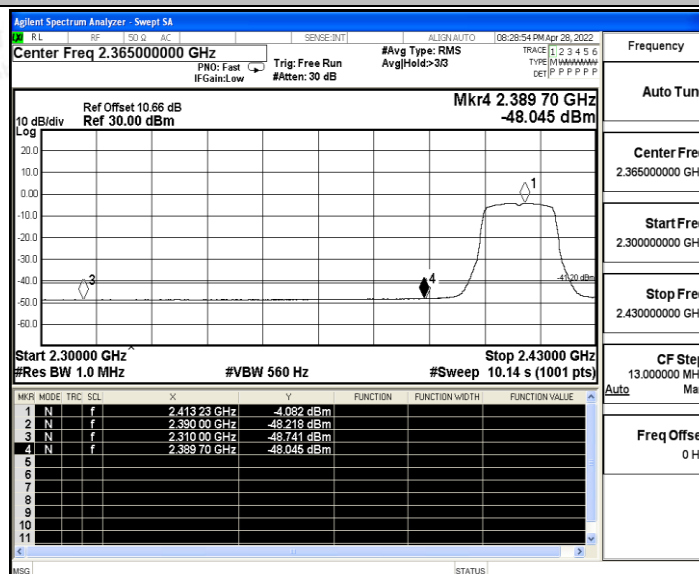
Scan code to check authenticity



11B_Ant_High_2462_Peak



11G_Ant_Low_2412_AV



Shenzhen LCS Compliance Testing Laboratory Ltd.

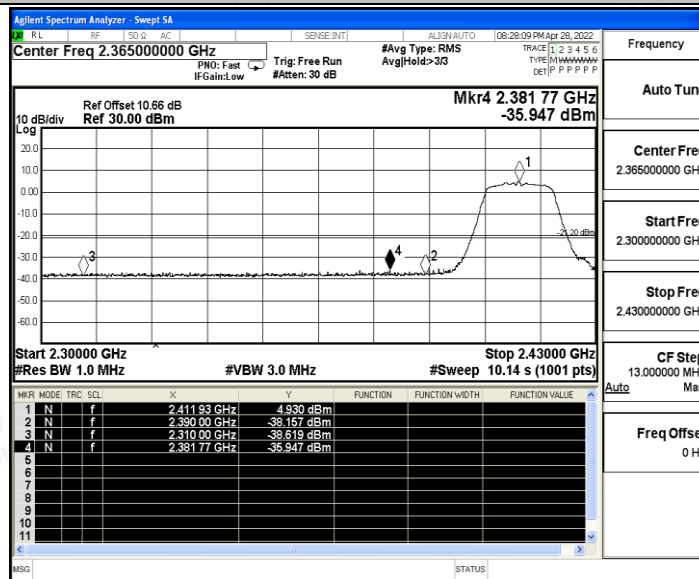
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

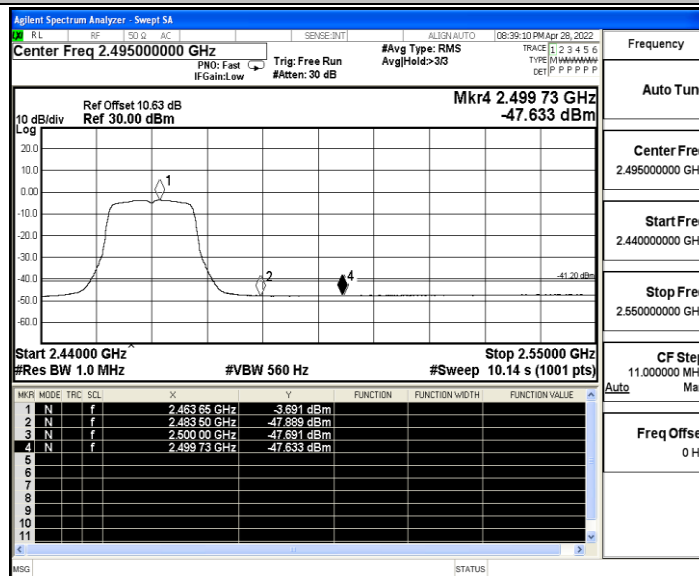
Scan code to check authenticity



11G_Ant_Low_2412_Peak



11G_Ant_High_2462_AV



11G_Ant_High_2462_Peak

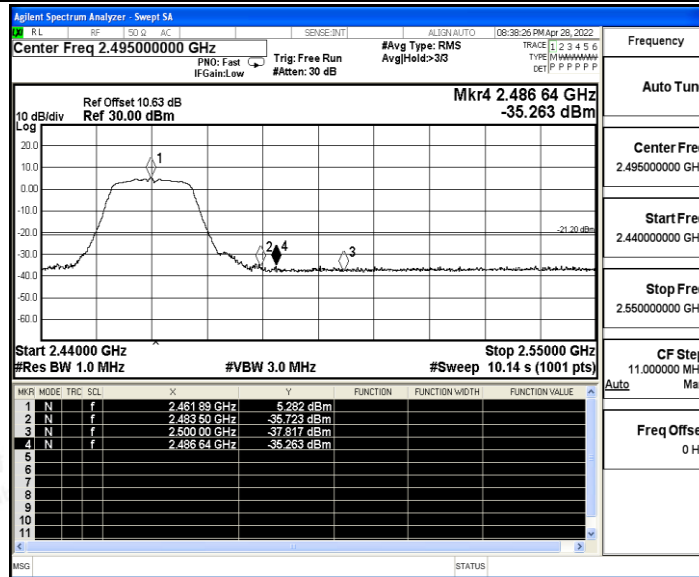


Shenzhen LCS Compliance Testing Laboratory Ltd.

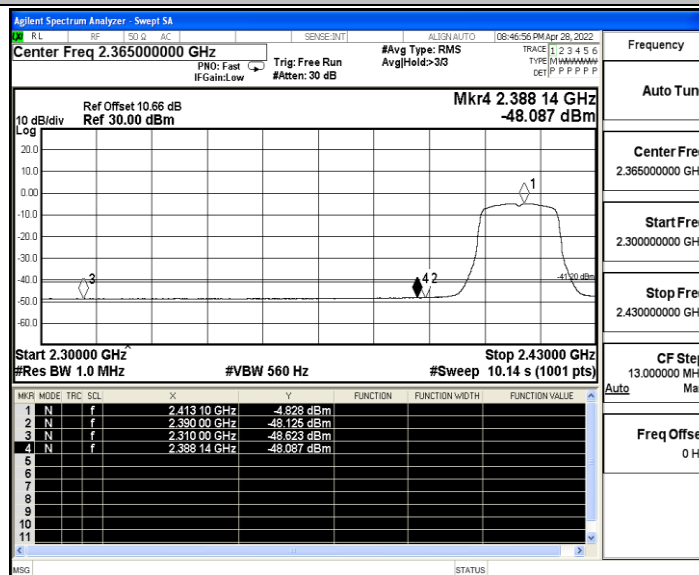
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

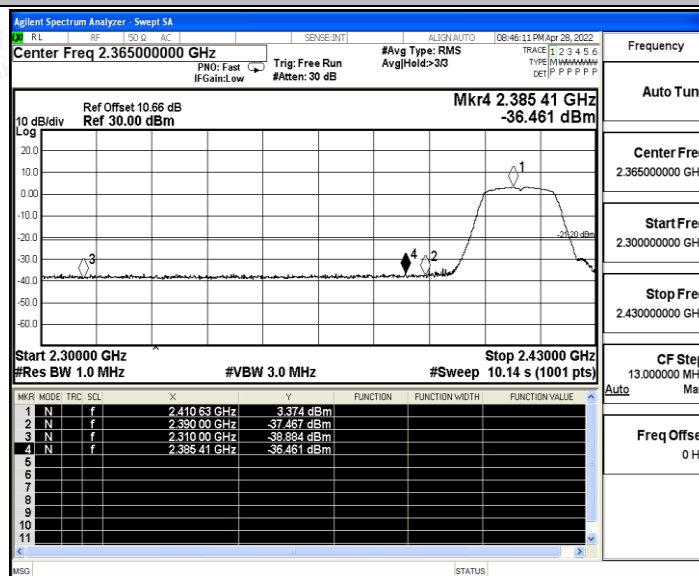
Scan code to check authenticity



11N20SISO_Ant_Low_2412_AV



11N20SISO_Ant_Low_2412_Peak



Shenzhen LCS Compliance Testing Laboratory Ltd.

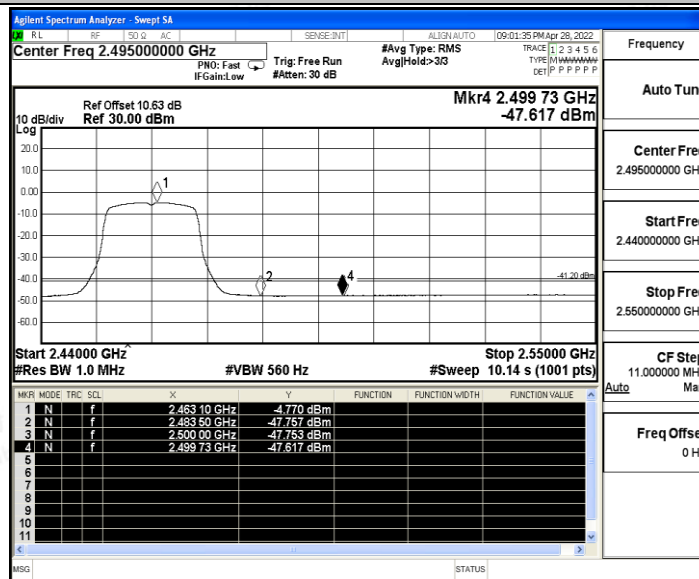
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

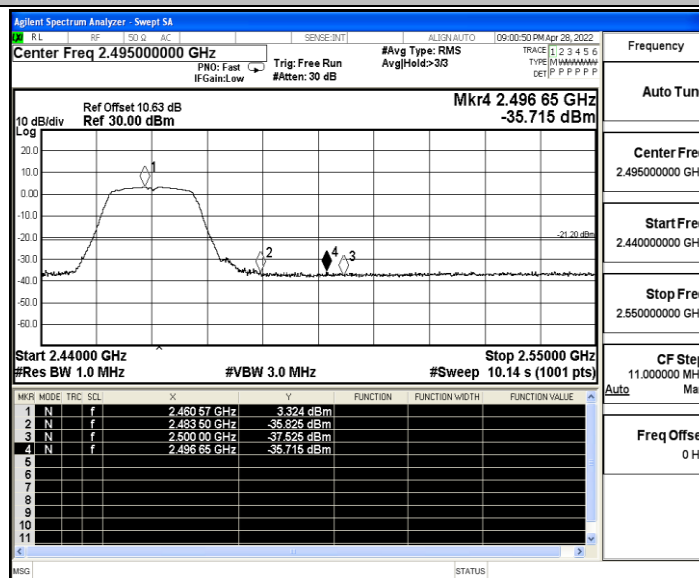
Scan code to check authenticity



11N20SISO_Ant_High_2462_AV



11N20SISO_Ant_High_2462_Peak



11N40SISO_Ant_Low_2422_AV

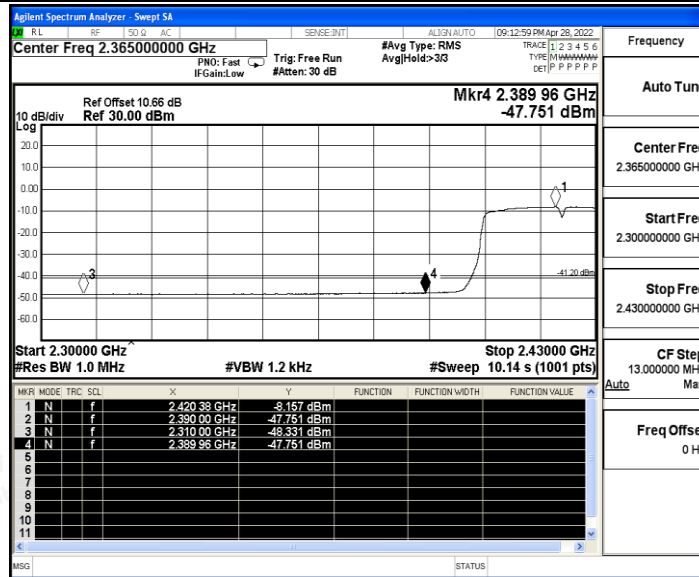


Shenzhen LCS Compliance Testing Laboratory Ltd.

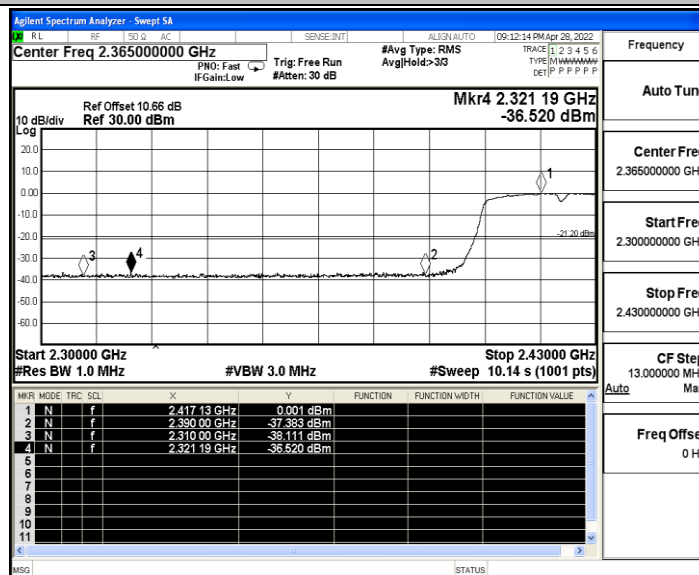
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

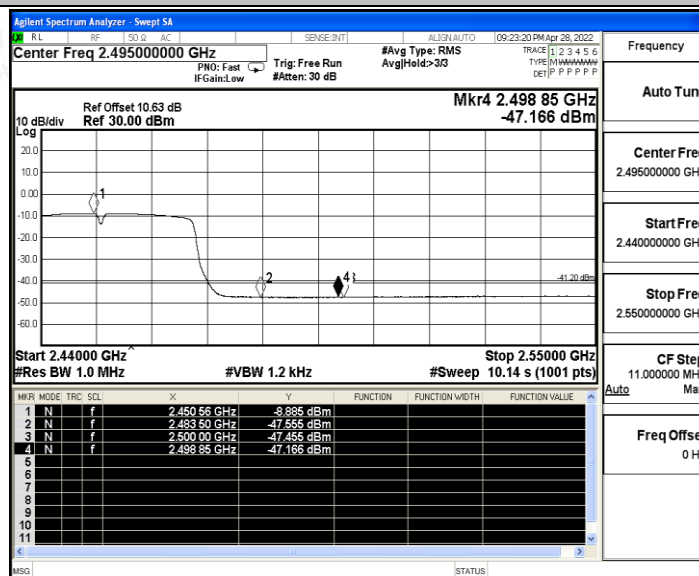
Scan code to check authenticity



11N40SISO_Ant_Low_2422_Peak



11N40SISO_Ant_High_2452_AV



Shenzhen LCS Compliance Testing Laboratory Ltd.

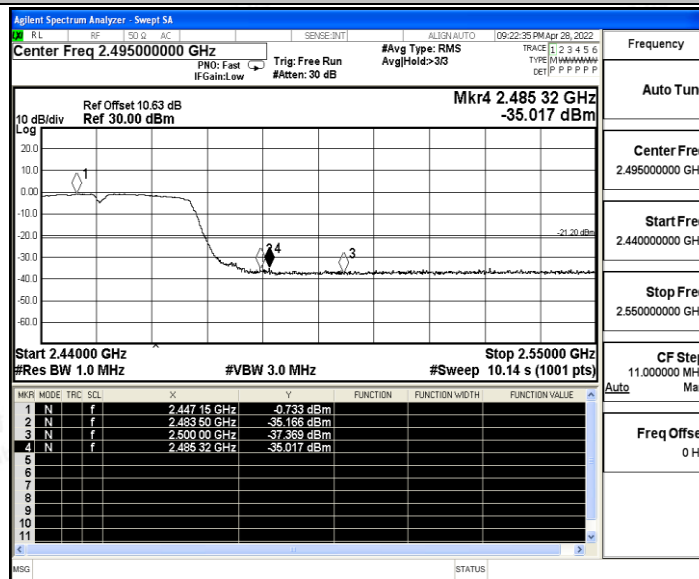
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



11N40SISO_Ant_High_2452_Peak



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