



Appendix B

RF Test Data for 5.8G (Conducted Measurement)

Product Name: Wireless Speaker System

Test Model: LX Connect HUB

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Monkey Li
Supervised by:	Li huan





B.1 6dB bandwidth

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
5.8G	Ant0	5736	9.840	5731.120	5740.960	0.5	PASS
		5762	9.840	5757.120	5766.960	0.5	PASS
		5814	9.840	5809.120	5818.960	0.5	PASS
5.8G	Ant1	5736	9.840	5731.120	5740.960	0.5	PASS
		5762	9.840	5757.120	5766.960	0.5	PASS
		5814	9.840	5809.120	5818.960	0.5	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

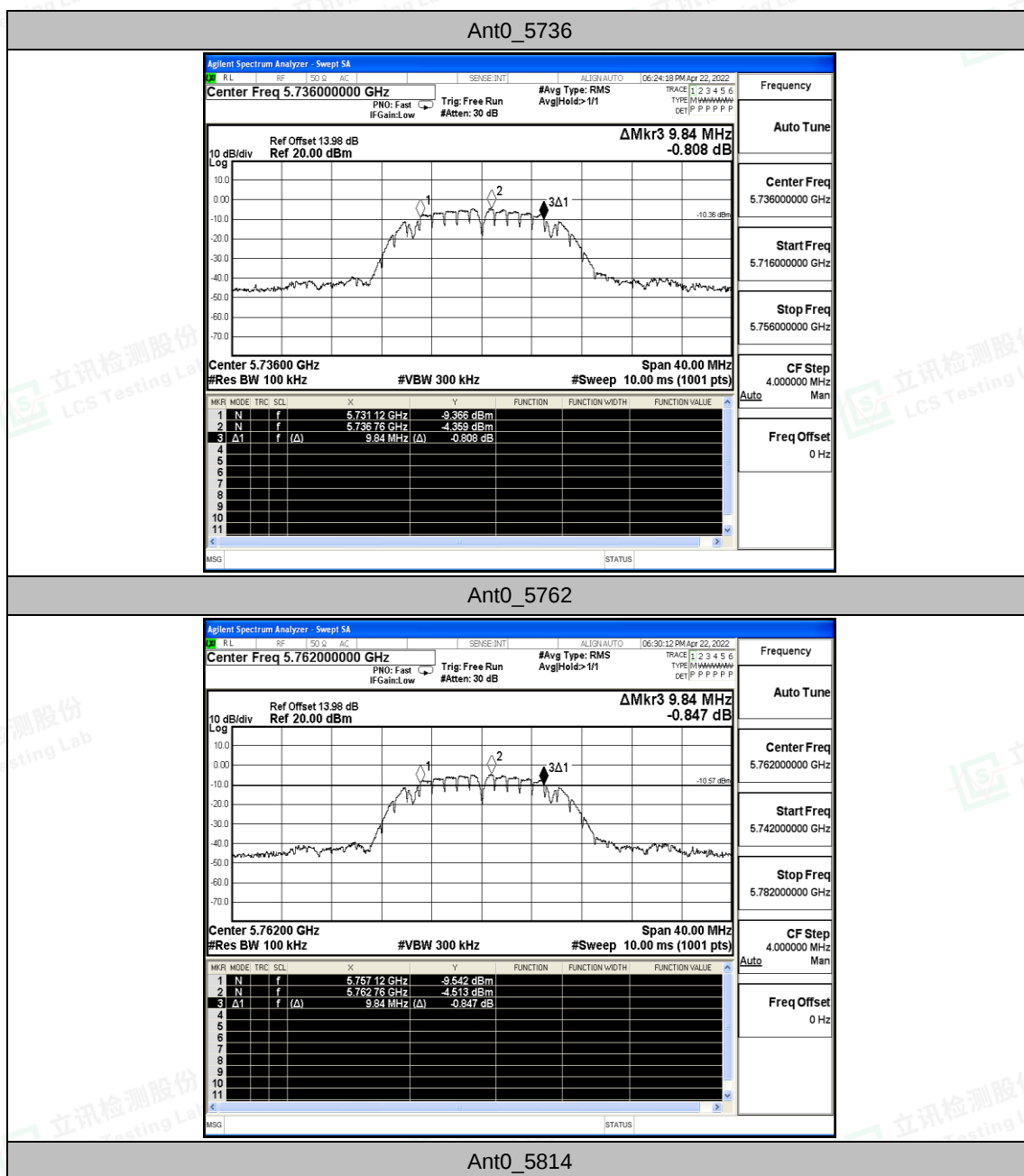
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



Test Graphs

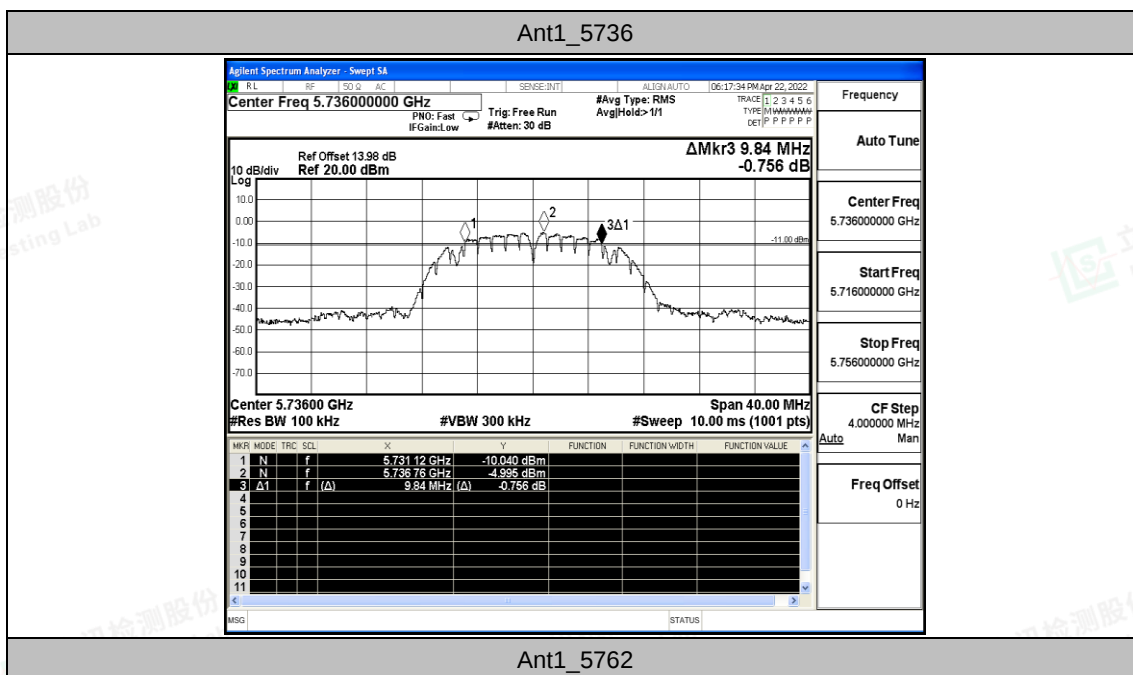
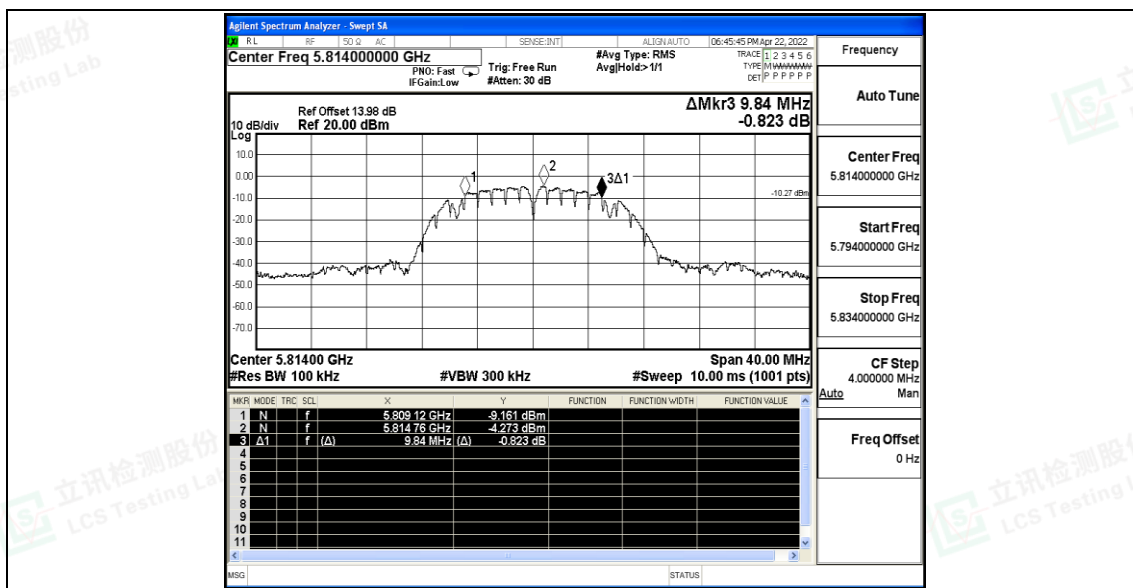


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

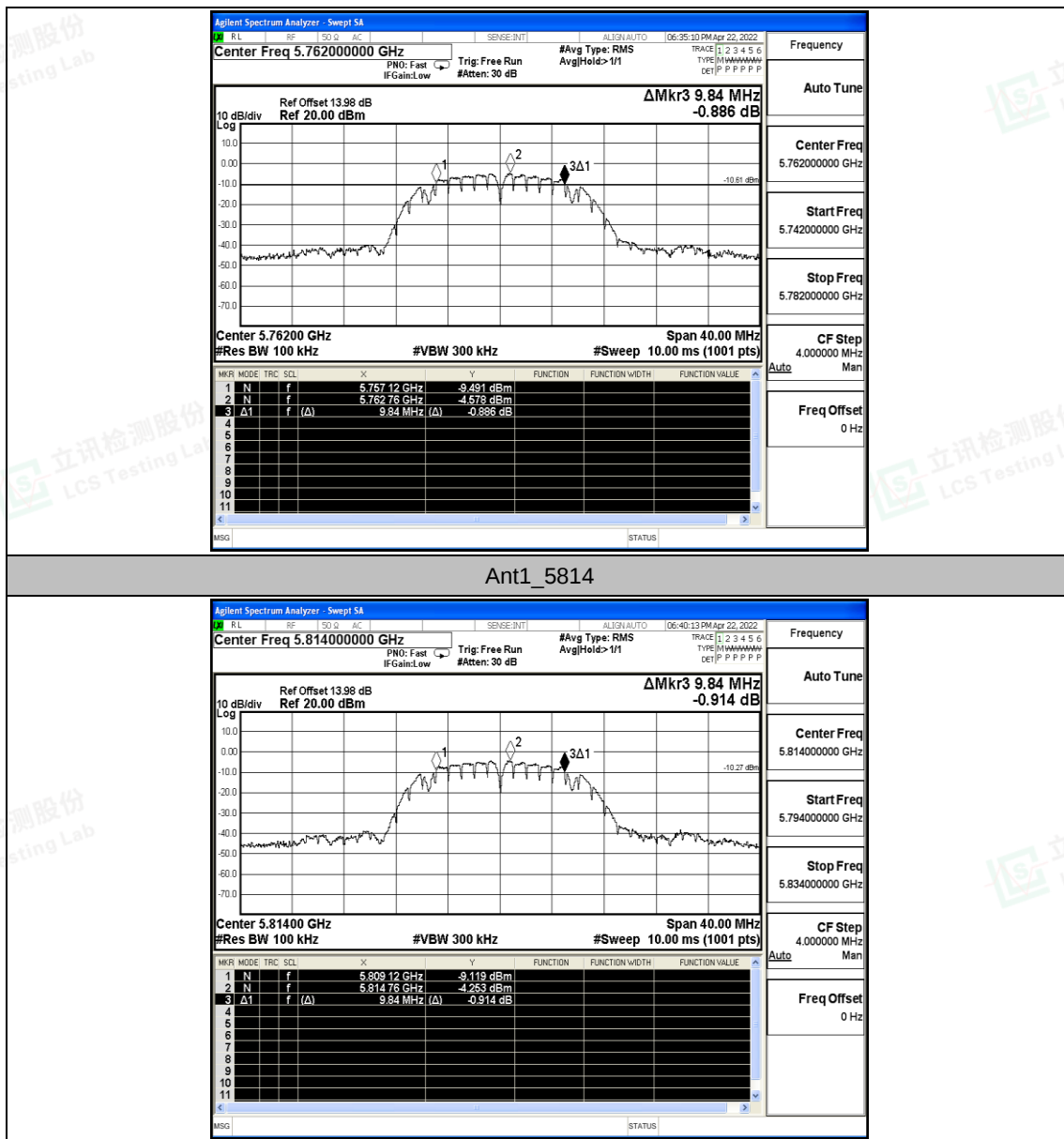


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



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

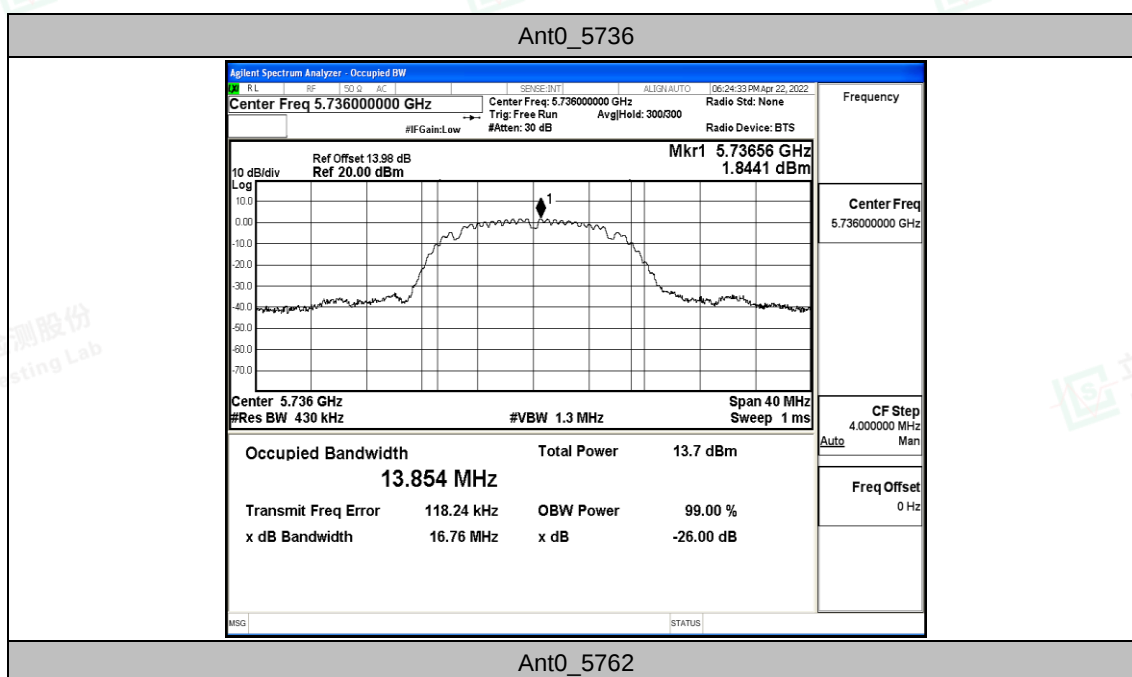
Scan code to check authenticity



B.2 Occupied channel bandwidth

TestMode	Antenna	Channel	OCB [MHz]	Limit[MHz]
5.8G	Ant0	5736	13.854	/
		5762	13.877	/
		5814	13.881	/
5.8G	Ant1	5736	13.860	/
		5762	13.879	/
		5814	13.882	/

Test Graphs

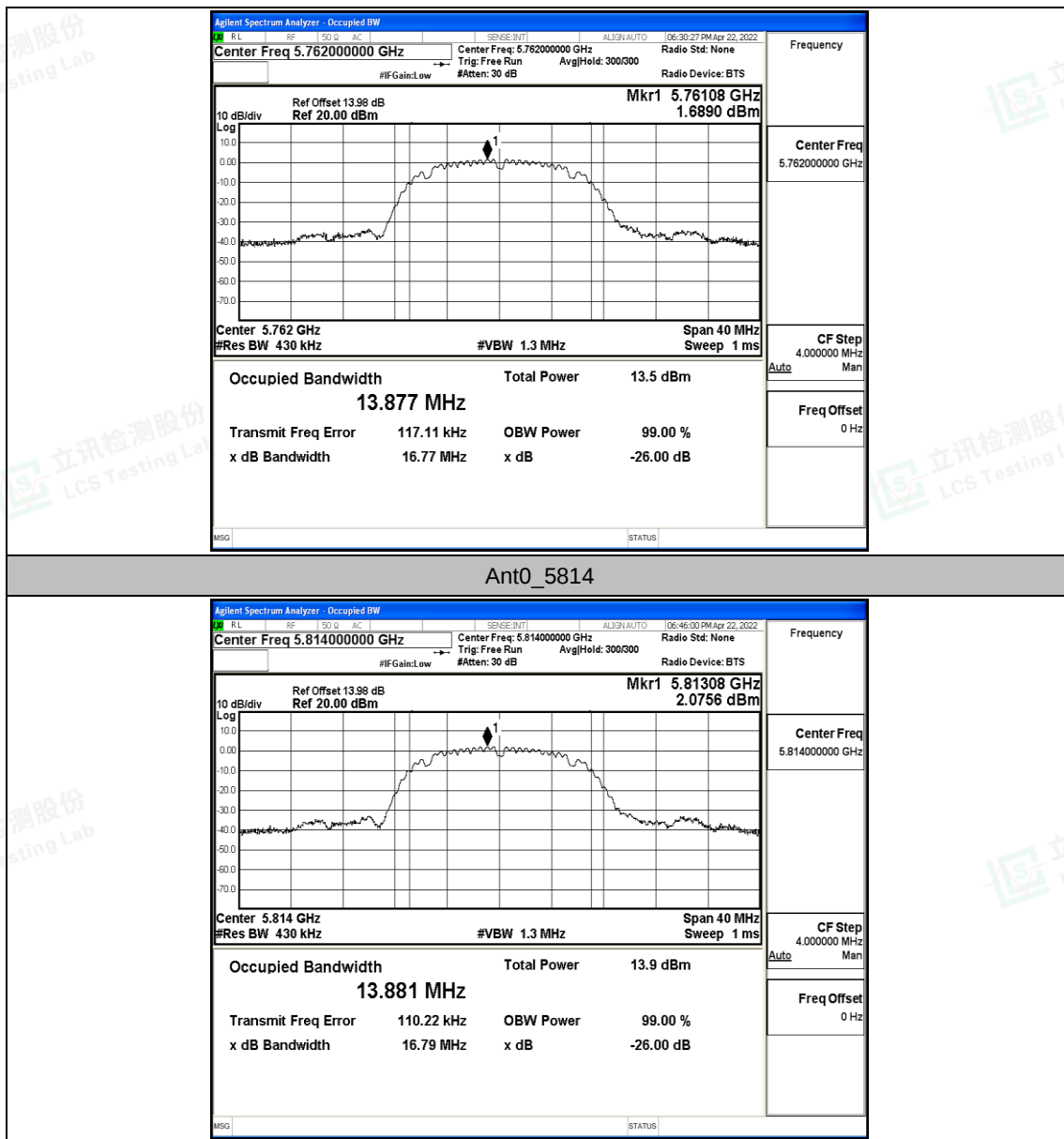


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



Shenzhen LCS Compliance Testing Laboratory Ltd.

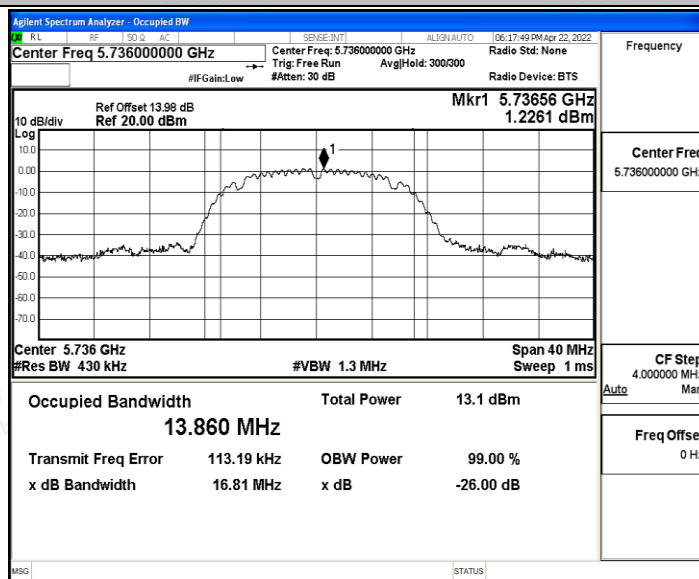
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

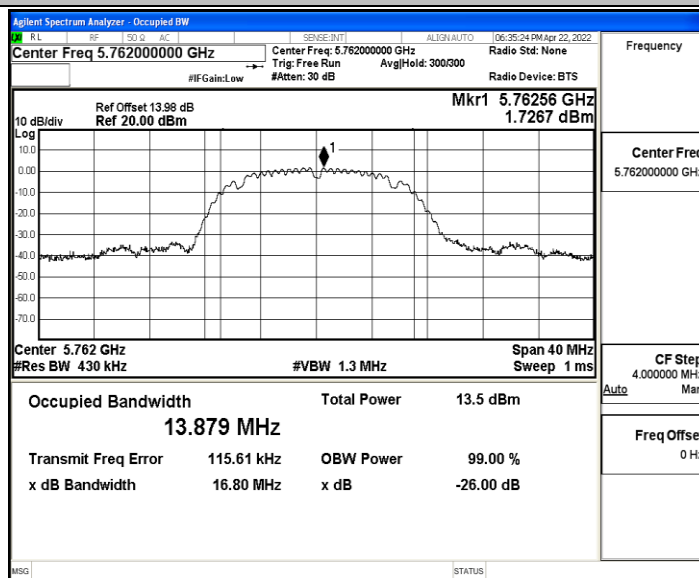
Scan code to check authenticity



Ant1_5736



Ant1_5762



Ant1_5814

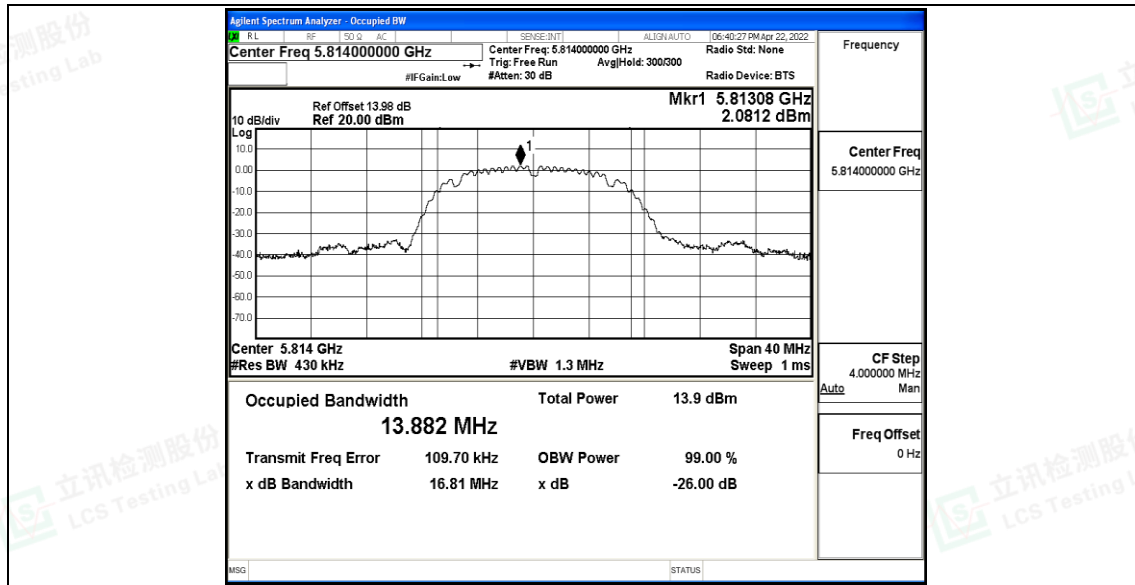


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



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



B.3 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
5.8G	Ant0	5736	10.94	≤30.00	PASS
		5762	10.77	≤30.00	PASS
		5814	11.26	≤30.00	PASS
5.8G	Ant1	5736	10.32	≤30.00	PASS
		5762	10.79	≤30.00	PASS
		5814	11.19	≤30.00	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



B.4 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/500kHz]	Limit [dBm/500k Hz]	Verdict
5.8G	Ant0	5736	-0.47	≤30.00	PASS
		5762	-0.66	≤30.00	PASS
		5814	-0.15	≤30.00	PASS
5.8G	Ant1	5736	-1.09	≤30.00	PASS
		5762	-0.62	≤30.00	PASS
		5814	-0.24	≤30.00	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

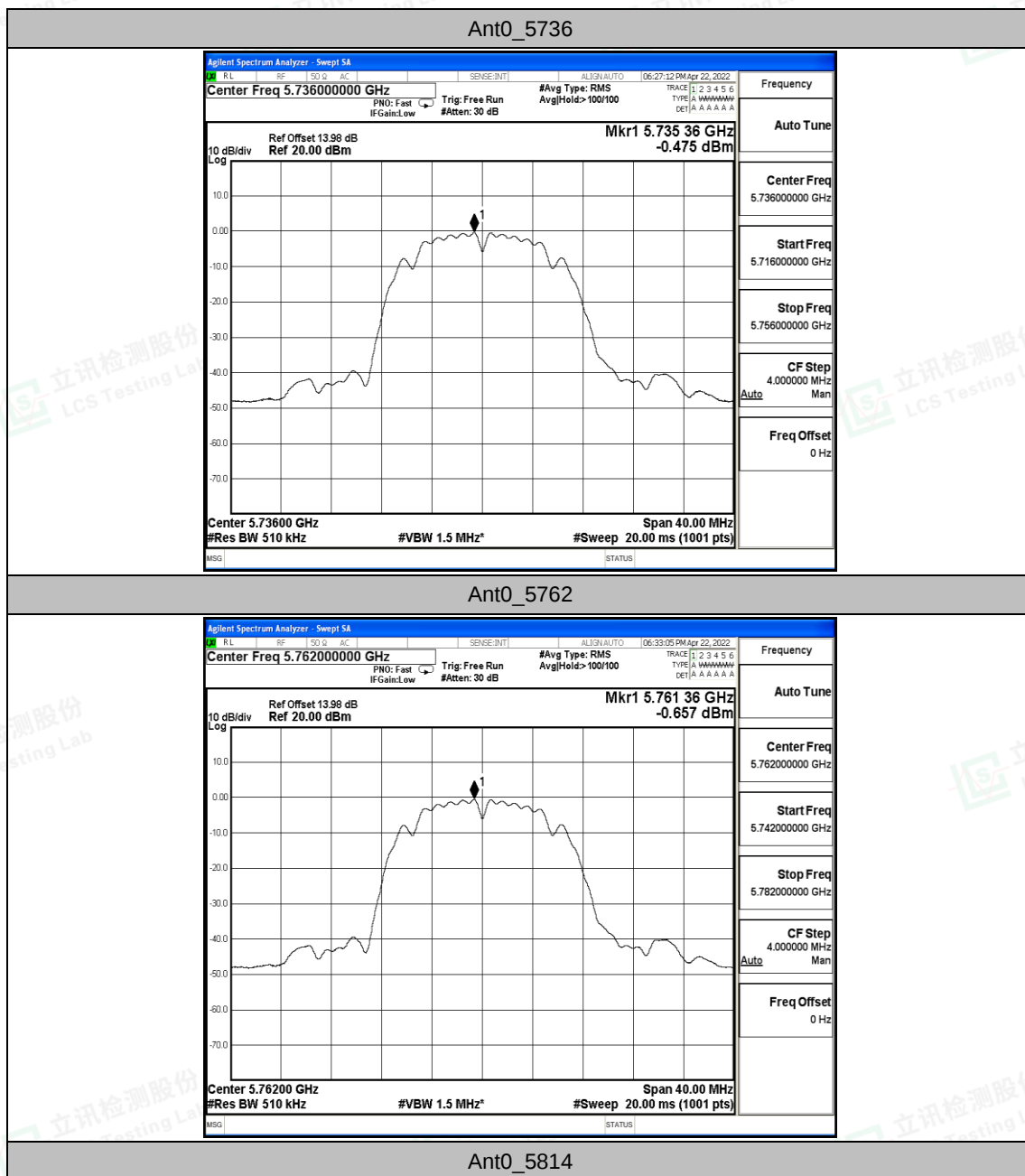
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



Test Graphs

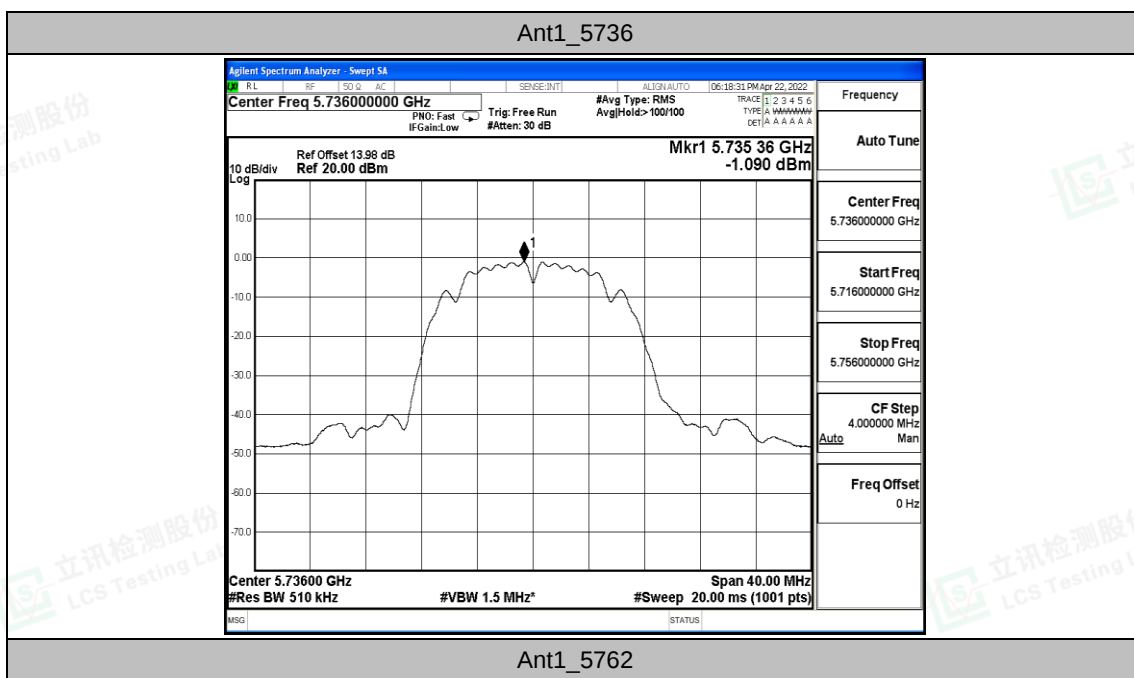
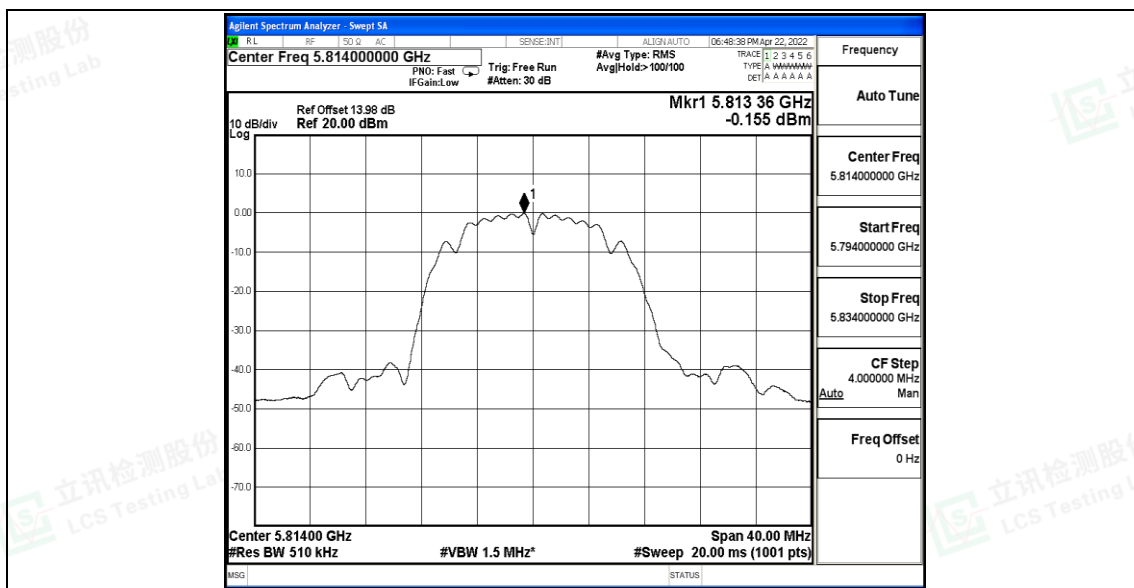


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

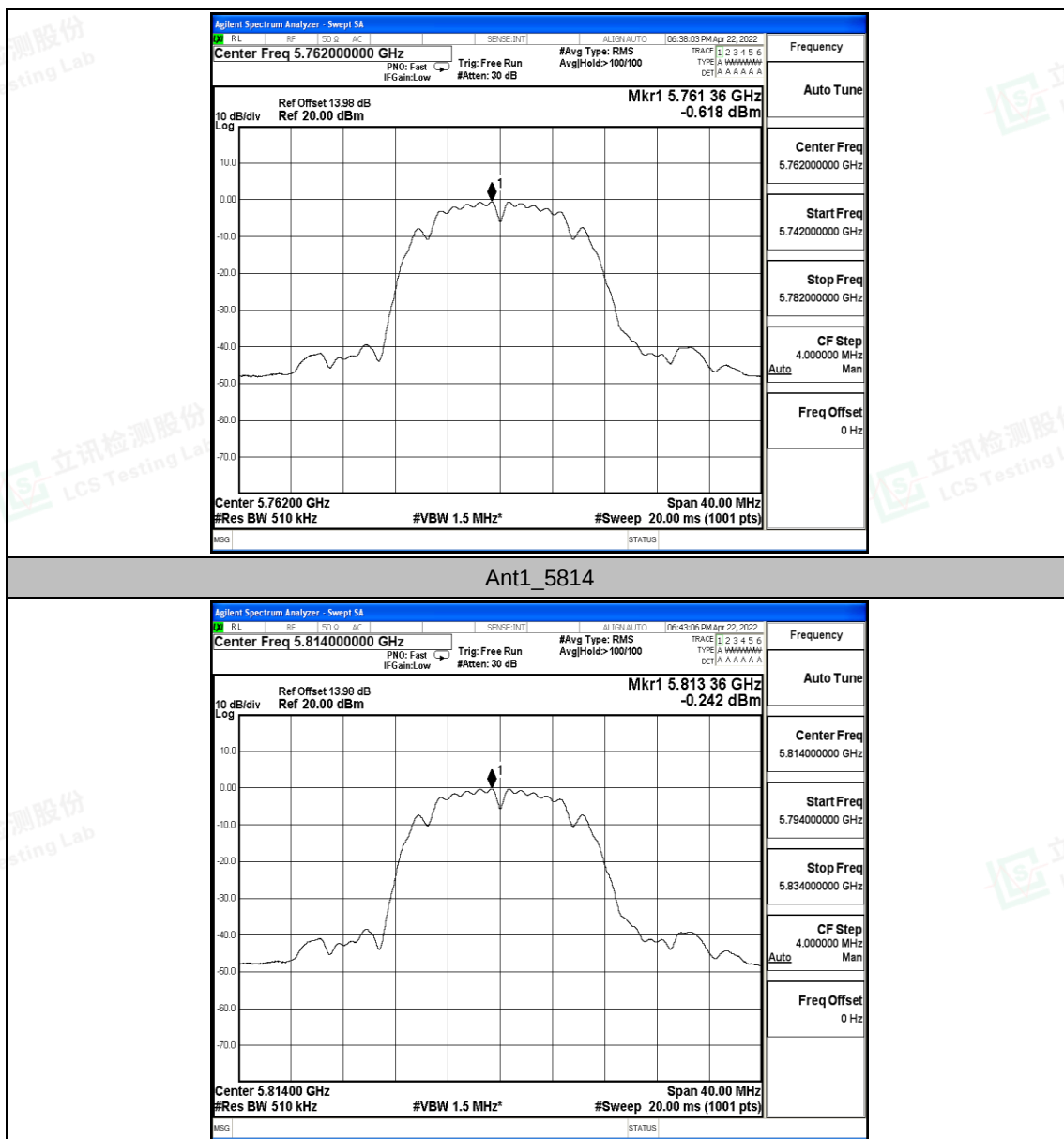


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



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



B.5 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Frequenc y[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Verdict
5.8G	Ant0	Low	5736	Peak	5650.000	-33.916	≤-27.00	PASS
				Peak	5700.000	-33.44	≤10.00	PASS
				Peak	5720.000	-32.08	≤15.60	PASS
				Peak	5725.000	-29.11	≤27.00	PASS
		High	5814	Peak	5850.000	-33.988	≤15.60	PASS
				Peak	5855.000	-33.84	≤27.00	PASS
				Peak	5875.000	-34.52	≤15.60	PASS
				Peak	5925.000	-33.97	≤10.00	PASS

TestMode	Antenna	ChName	Frequenc y[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Verdict
5.8G	Ant1	Low	5736	Peak	5650.000	-34.425	≤-27.00	PASS
				Peak	5700.000	-33.57	≤10.00	PASS
				Peak	5720.000	-33.67	≤15.60	PASS
				Peak	5725.000	-29.83	≤27.00	PASS
		High	5814	Peak	5850.000	-34.1	≤15.60	PASS
				Peak	5855.000	-33.9	≤27.00	PASS
				Peak	5875.000	-34.77	≤15.60	PASS
				Peak	5925.000	-34.72	≤10.00	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

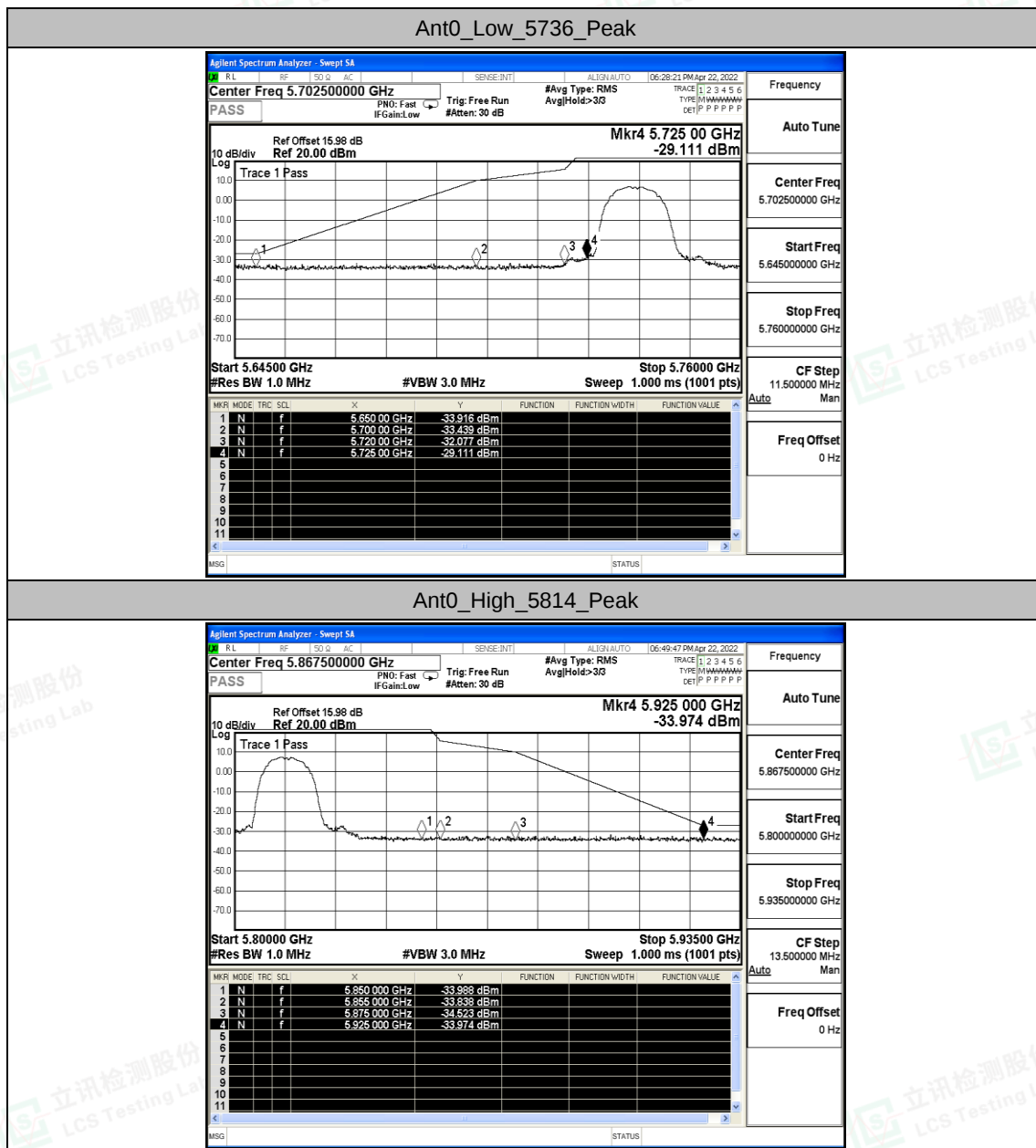
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



Test Graphs



Shenzhen LCS Compliance Testing Laboratory Ltd.

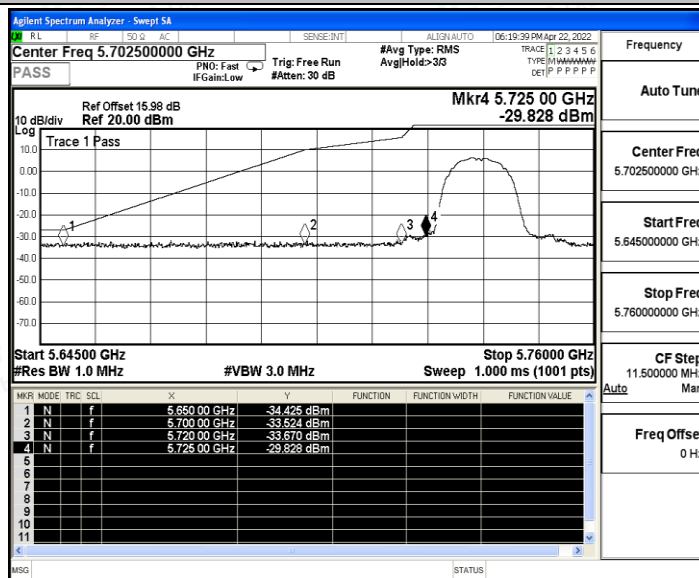
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

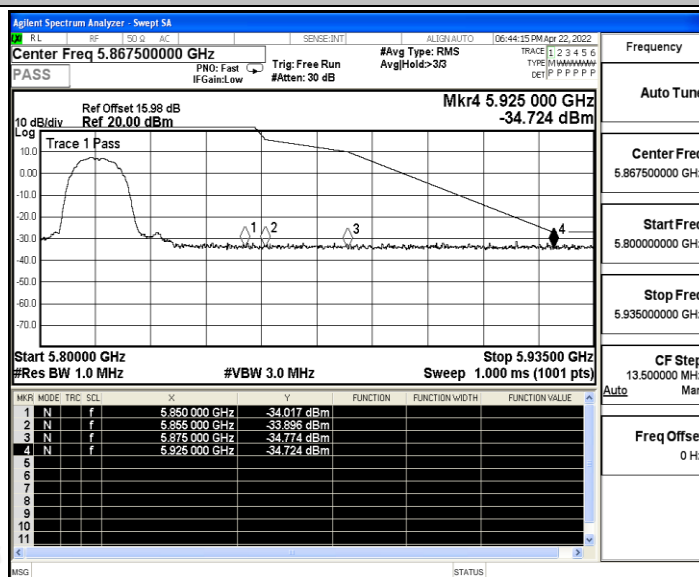
Scan code to check authenticity



Ant1_Low_5736_Peak



Ant1_High_5814_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



B.6: Frequency Stability

Voltage							
TestMode	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
5.8G_ANT0	5736	NV	NT	97000	16.884247	20	PASS
		LV	NT	95000	16.536118	20	PASS
		HV	NT	94000	16.362054	20	PASS
	5762	NV	NT	95000	16.42178	20	PASS
		LV	NT	94000	16.24892	20	PASS
		HV	NT	93000	16.076059	20	PASS
	5814	NV	NT	95000	16.309013	20	PASS
		LV	NT	94000	16.137339	20	PASS
		HV	NT	94000	16.137339	20	PASS
5.8G_ANT1	5736	NV	NT	92000	16.013925	20	PASS
		LV	NT	93000	16.18799	20	PASS
		HV	NT	93000	16.18799	20	PASS
	5762	NV	NT	95000	16.42178	20	PASS
		LV	NT	94000	16.24892	20	PASS
		HV	NT	94000	16.24892	20	PASS
	5814	NV	NT	95000	16.309013	20	PASS
		LV	NT	95000	16.309013	20	PASS
		HV	NT	94000	16.137339	20	PASS

Temperature							
TestMode	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
5.8G_ANT0	5736	NV	-30	94000	16.362054	20	PASS
		NV	-20	95000	16.536118	20	PASS
		NV	-10	95000	16.536118	20	PASS
		NV	0	95000	16.536118	20	PASS
		NV	10	94000	16.362054	20	PASS
		NV	20	94000	16.362054	20	PASS
		NV	30	94000	16.362054	20	PASS
		NV	40	93000	16.18799	20	PASS
		NV	50	93000	16.18799	20	PASS
	5762	NV	-30	93000	16.076059	20	PASS
		NV	-20	93000	16.076059	20	PASS
		NV	-10	93000	16.076059	20	PASS
		NV	0	93000	16.076059	20	PASS
		NV	10	93000	16.076059	20	PASS
		NV	10	93000	16.076059	20	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



5.8G_ANT1		NV	20	93000	16.076059	20	PASS
		NV	30	93000	16.076059	20	PASS
		NV	40	93000	16.076059	20	PASS
		NV	50	93000	16.076059	20	PASS
	5814	NV	-30	94000	16.137339	20	PASS
		NV	-20	94000	16.137339	20	PASS
		NV	-10	94000	16.137339	20	PASS
		NV	0	94000	16.137339	20	PASS
		NV	10	94000	16.137339	20	PASS
		NV	20	93000	15.965665	20	PASS
		NV	30	94000	16.137339	20	PASS
		NV	40	93000	15.965665	20	PASS
		NV	50	94000	16.137339	20	PASS
	5736	NV	-30	93000	16.18799	20	PASS
		NV	-20	93000	16.18799	20	PASS
		NV	-10	93000	16.18799	20	PASS
		NV	0	93000	16.18799	20	PASS
		NV	10	93000	16.18799	20	PASS
		NV	20	93000	16.18799	20	PASS
		NV	30	93000	16.18799	20	PASS
		NV	40	93000	16.18799	20	PASS
	5762	NV	50	92000	16.013925	20	PASS
		NV	-30	94000	16.24892	20	PASS
		NV	-20	94000	16.24892	20	PASS
		NV	-10	94000	16.24892	20	PASS
		NV	0	94000	16.24892	20	PASS
		NV	10	94000	16.24892	20	PASS
		NV	20	93000	16.076059	20	PASS
		NV	30	94000	16.24892	20	PASS
	5814	NV	40	94000	16.24892	20	PASS
		NV	50	94000	16.24892	20	PASS
		NV	-30	94000	16.137339	20	PASS
		NV	-20	94000	16.137339	20	PASS
		NV	-10	94000	16.137339	20	PASS
		NV	0	94000	16.137339	20	PASS
		NV	10	94000	16.137339	20	PASS
		NV	20	94000	16.137339	20	PASS
		NV	30	94000	16.137339	20	PASS
		NV	40	94000	16.137339	20	PASS
		NV	50	94000	16.137339	20	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



B.7 Duty Cycle

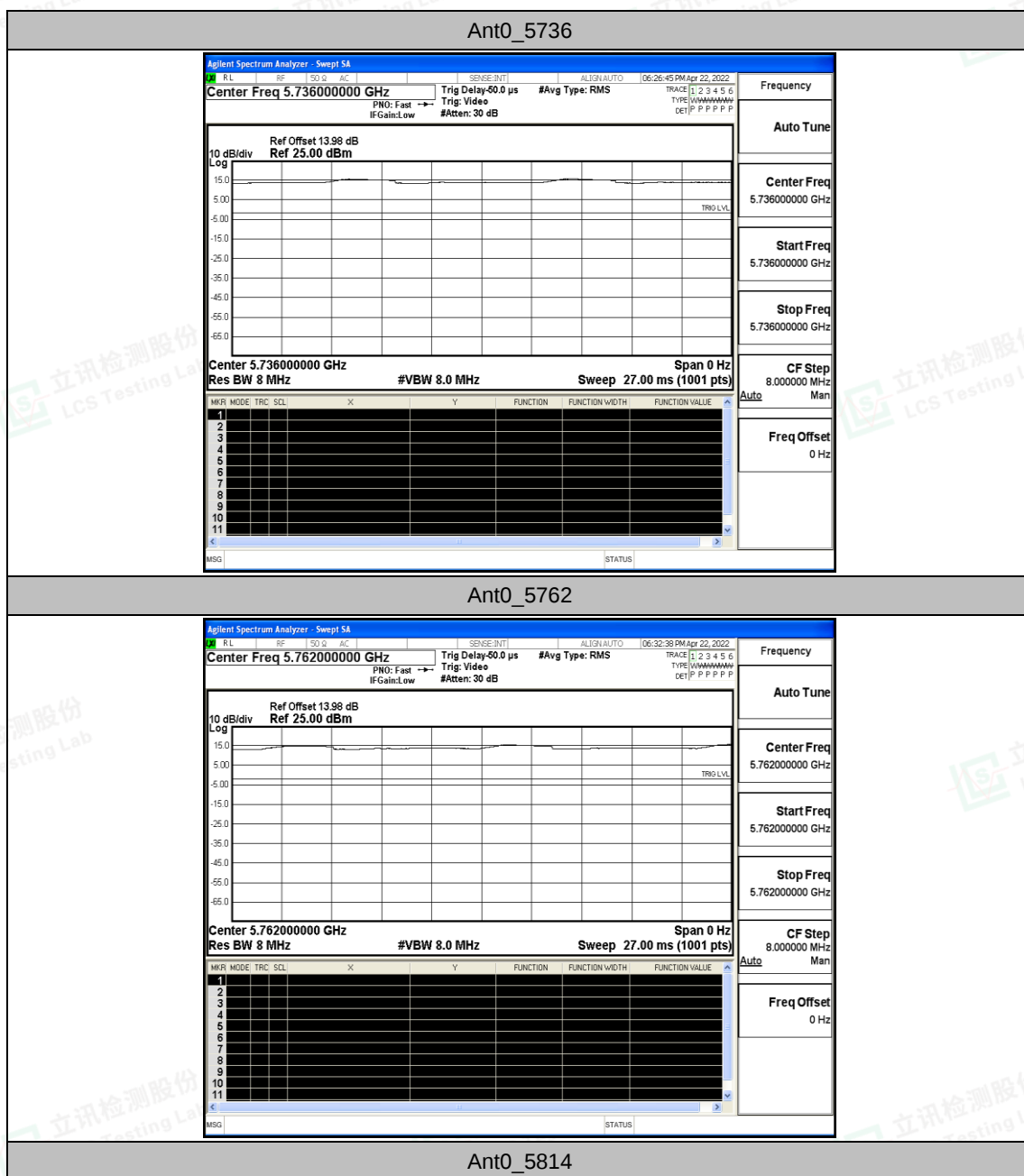
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
5.8G	Ant0	5736	27.00	27.00	100.00
		5762	27.00	27.00	100.00
		5814	27.00	27.00	100.00
5.8G	Ant1	5736	27.00	27.00	100.00
		5762	27.00	27.00	100.00
		5814	27.00	27.00	100.00





Test Graphs

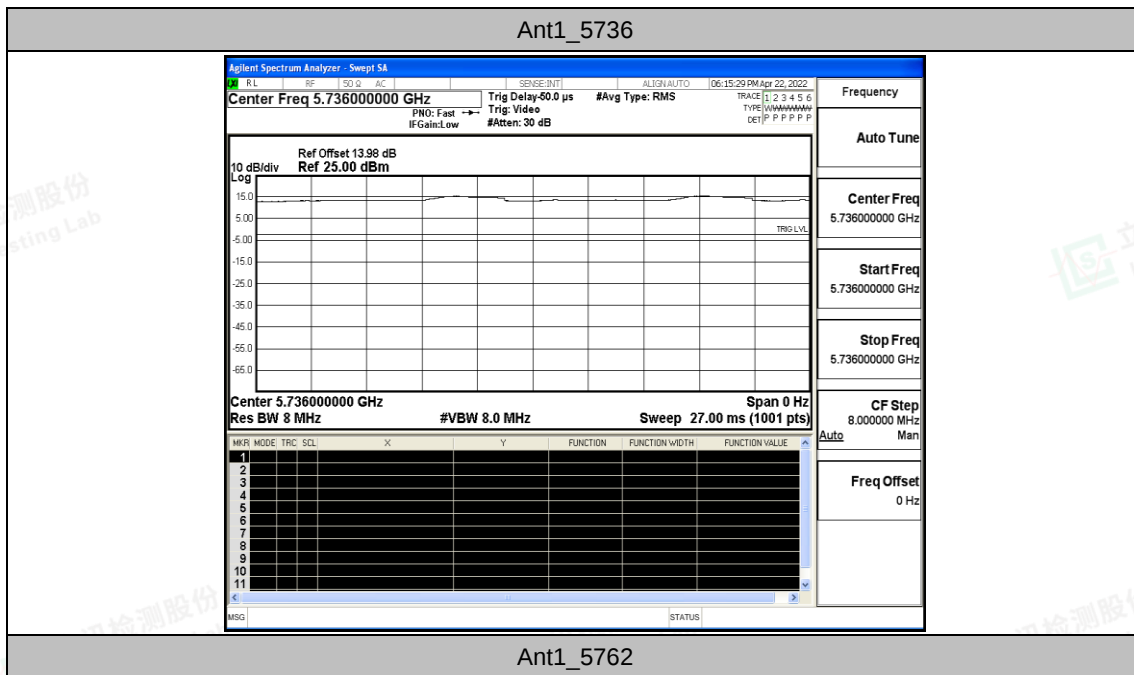
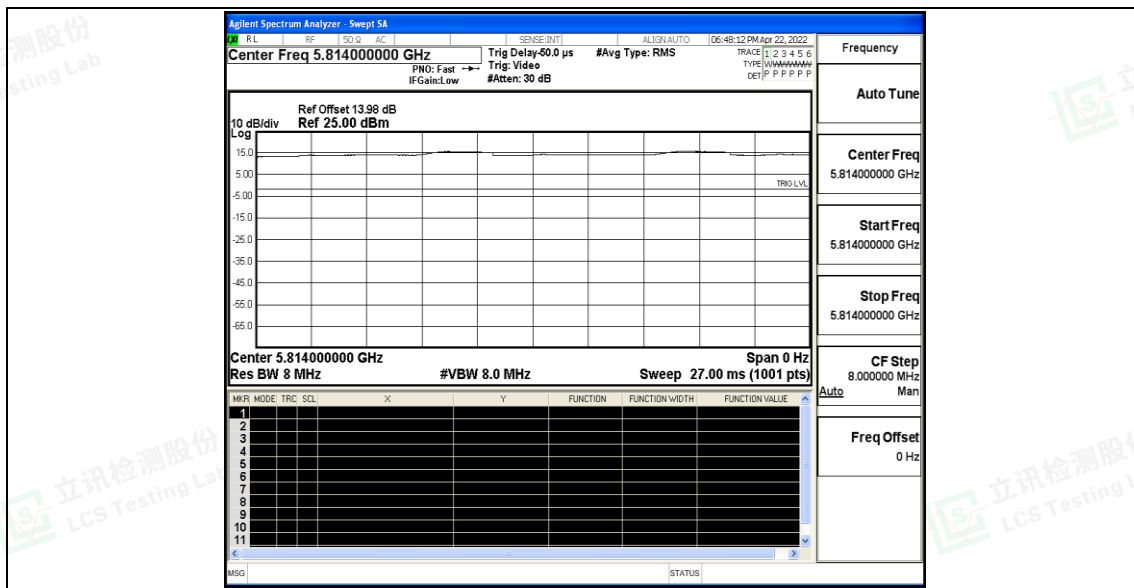


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

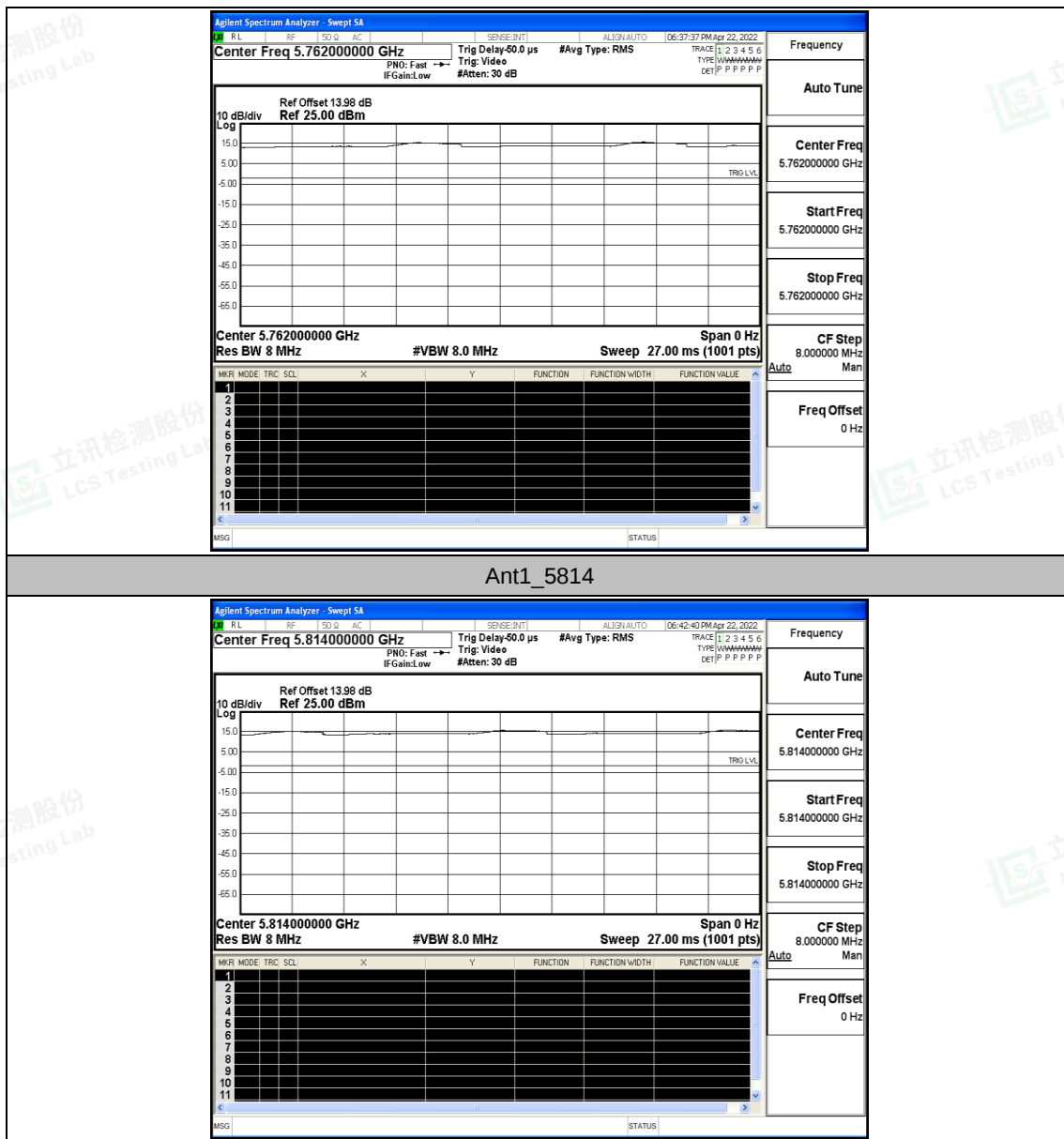


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

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

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

Scan code to check authenticity