



Appendix E

RF Test Data for 5.8G WIFI (Conducted Measurement)

Product Name: TABLET PC

Test Model: PicassoTab X

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	<i>mening su</i> Mening Su
Supervised by:	<i>Ling. Zhu</i> Ling Zhu





E.1 Min emission bandwidth

Test Result

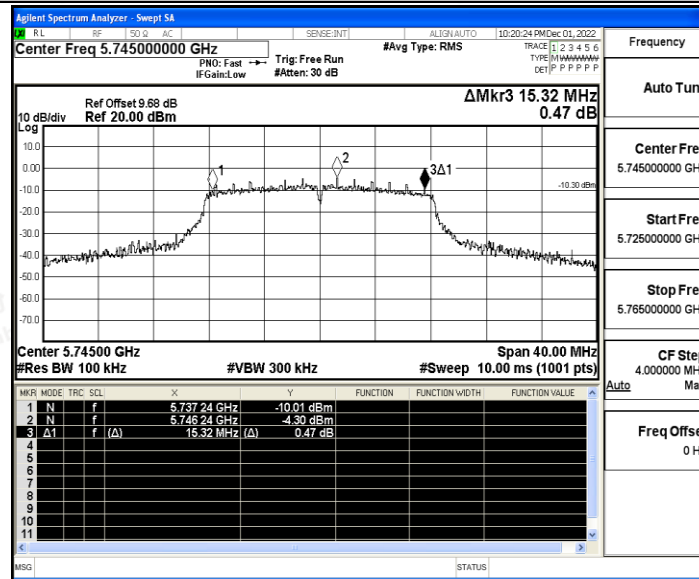
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.320	5737.240	5752.560	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N20SISO	Ant1	5745	15.360	5737.200	5752.560	0.5	PASS
		5785	15.040	5777.480	5792.520	0.5	PASS
		5825	15.040	5817.520	5832.560	0.5	PASS
11N40SISO	Ant1	5755	33.840	5737.480	5771.320	0.5	PASS
		5795	34.960	5777.560	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	14.920	5777.520	5792.440	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	34.160	5777.080	5811.240	0.5	PASS
11AC80SISO	Ant1	5775	72.640	5737.400	5810.040	0.5	PASS



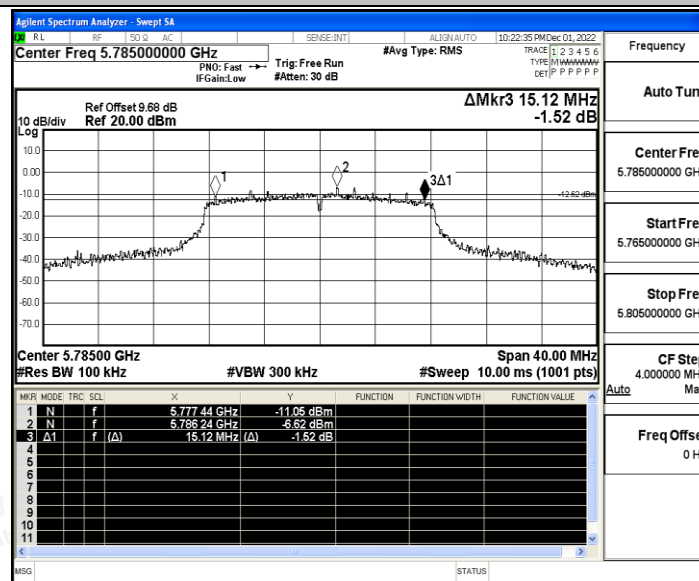


Test Graphs

11A_Ant1_5745

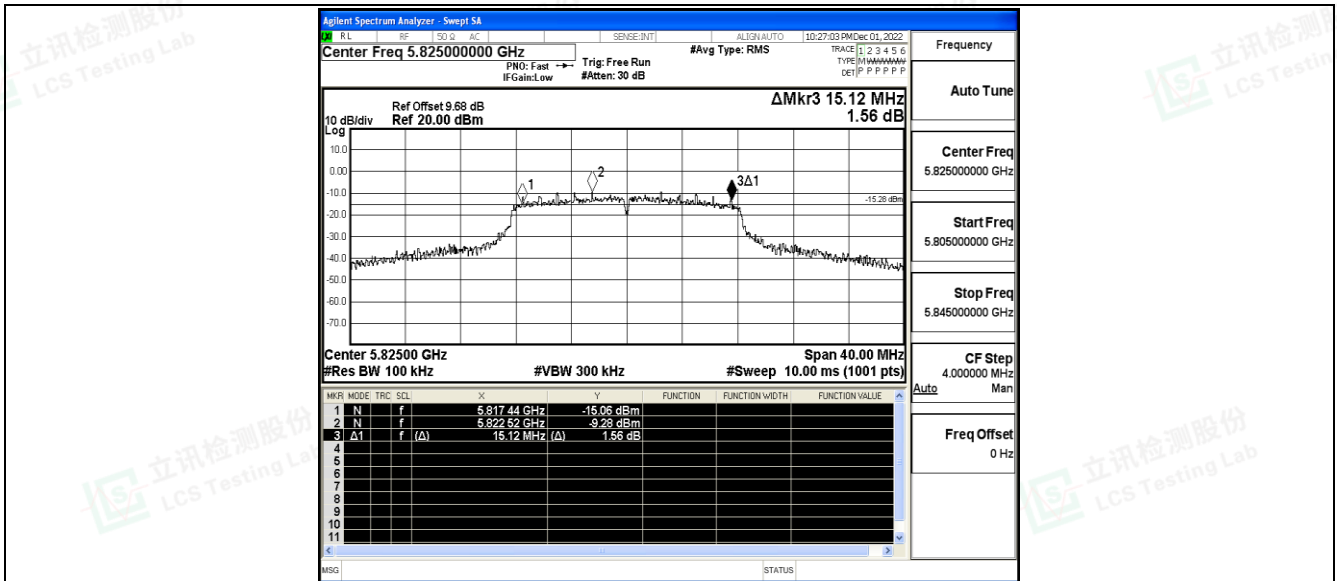


11A_Ant1_5785

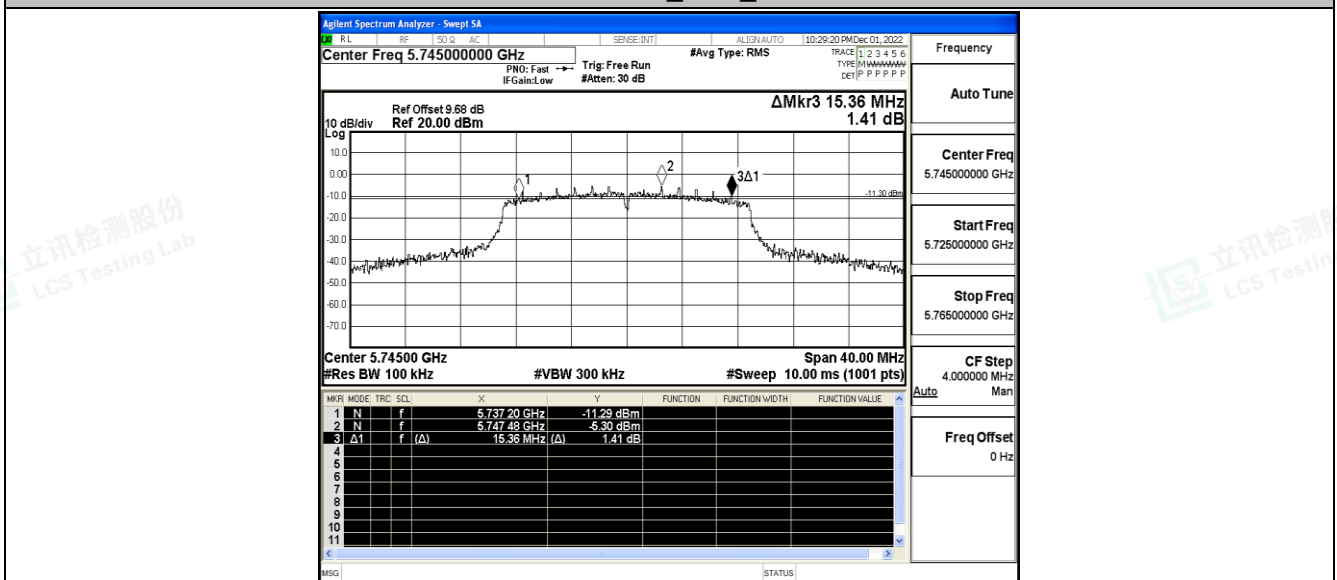


11A_Ant1_5825



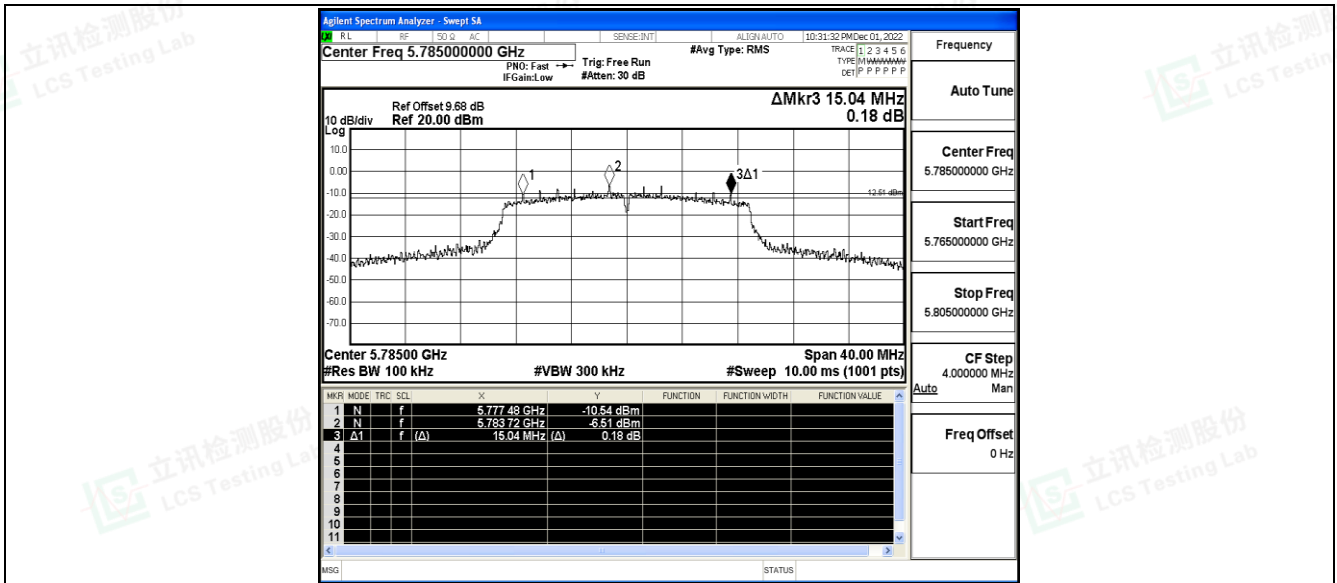


11N20SISO_Ant1_5745

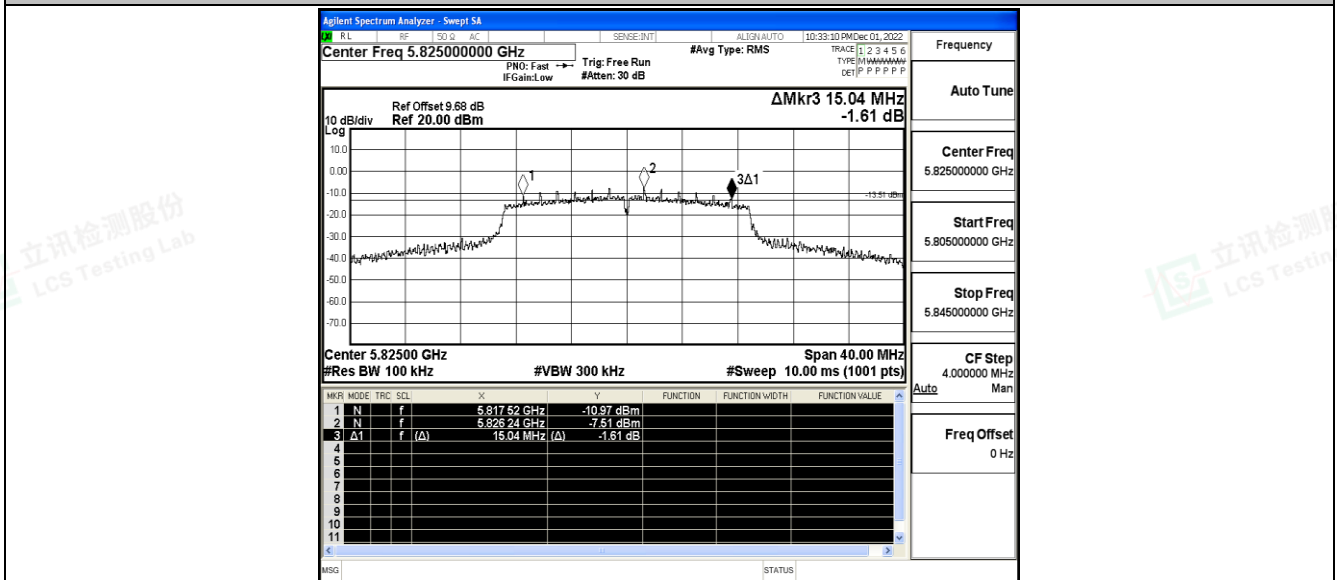


11N20SISO_Ant1_5785





11N20SISO_Ant1_5825



11N40SISO_Ant1_5755

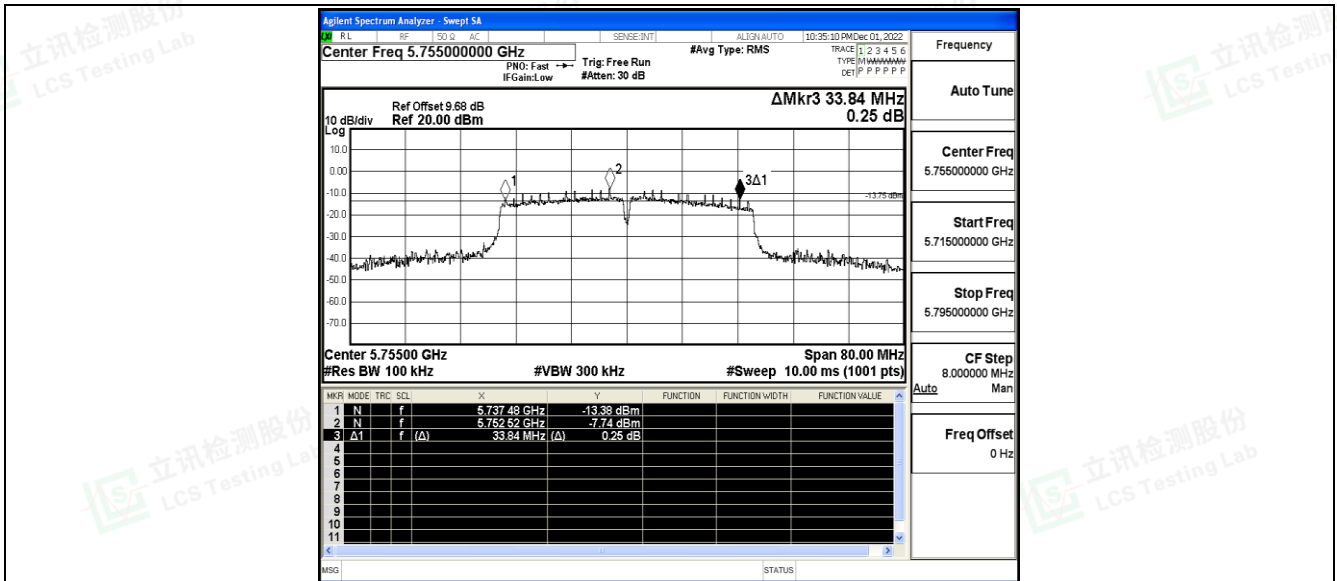


Shenzhen LCS Compliance Testing Laboratory Ltd.

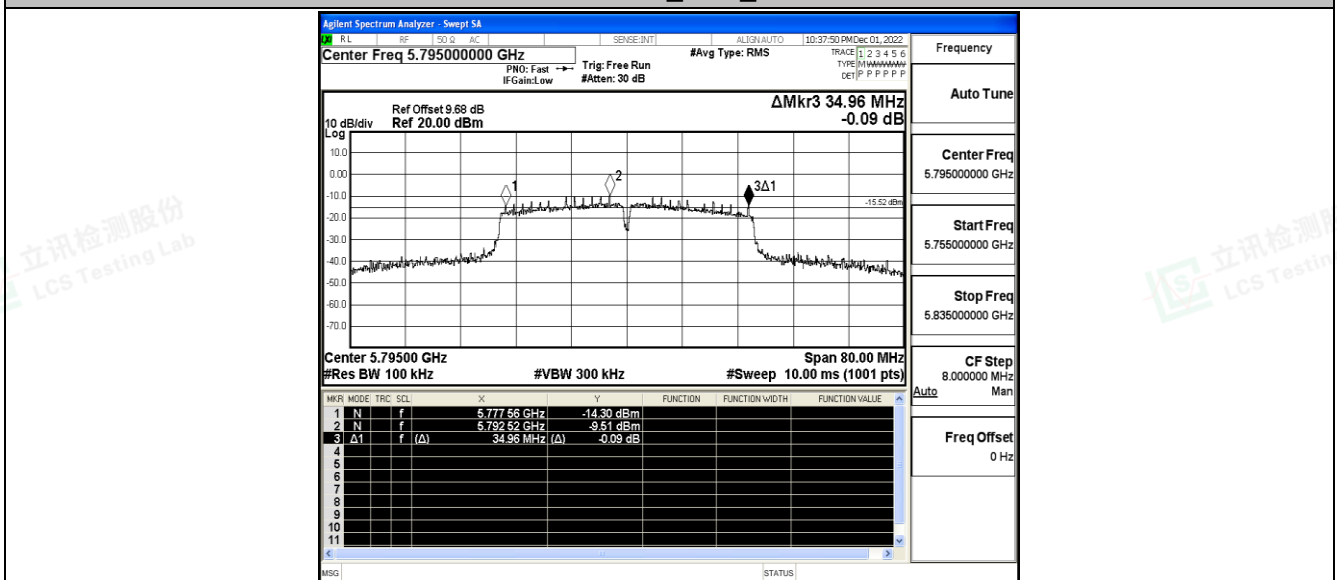
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity

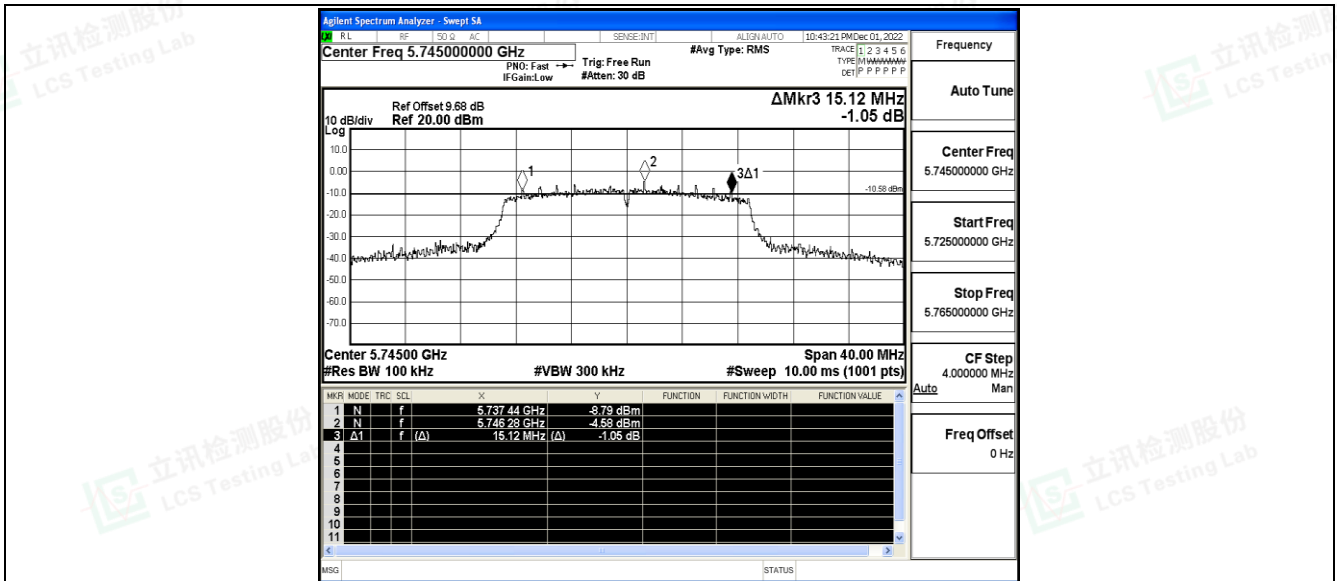


11N40SISO_Ant1_5795

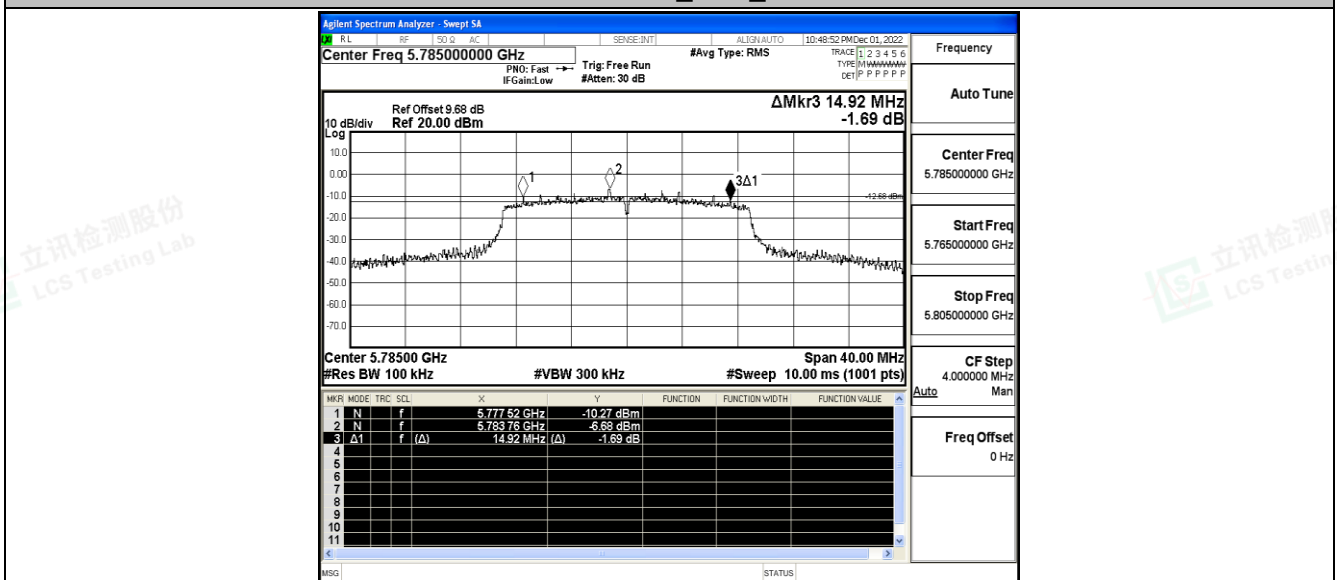


11AC20SISO_Ant1_5745



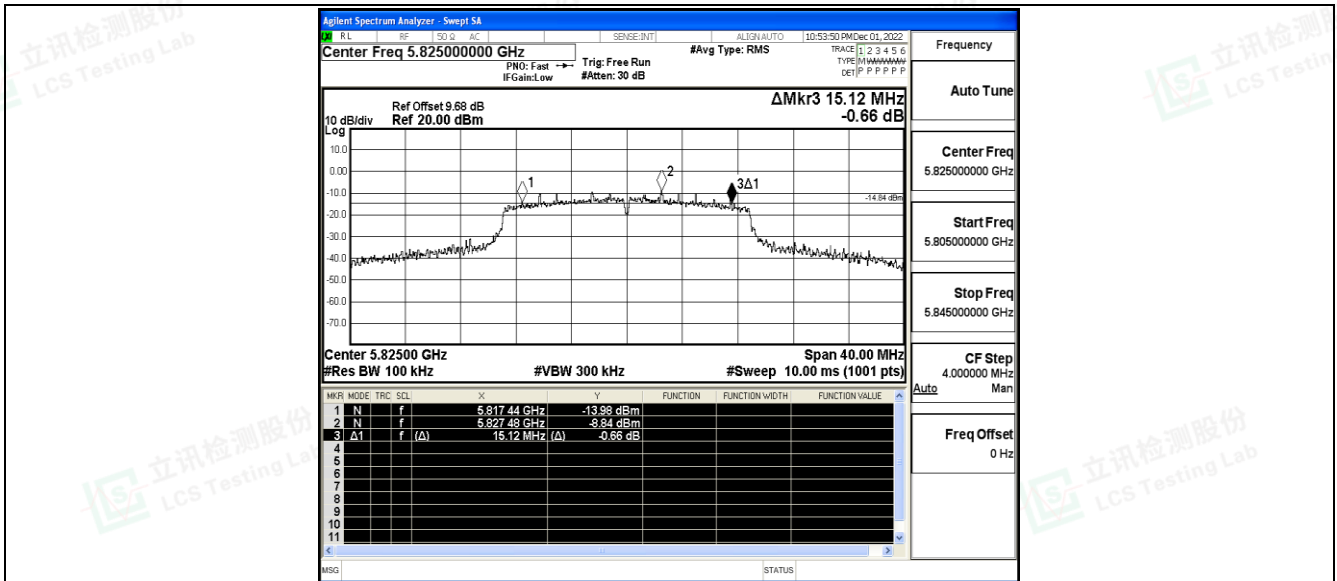


11AC20SISO_Ant1_5785

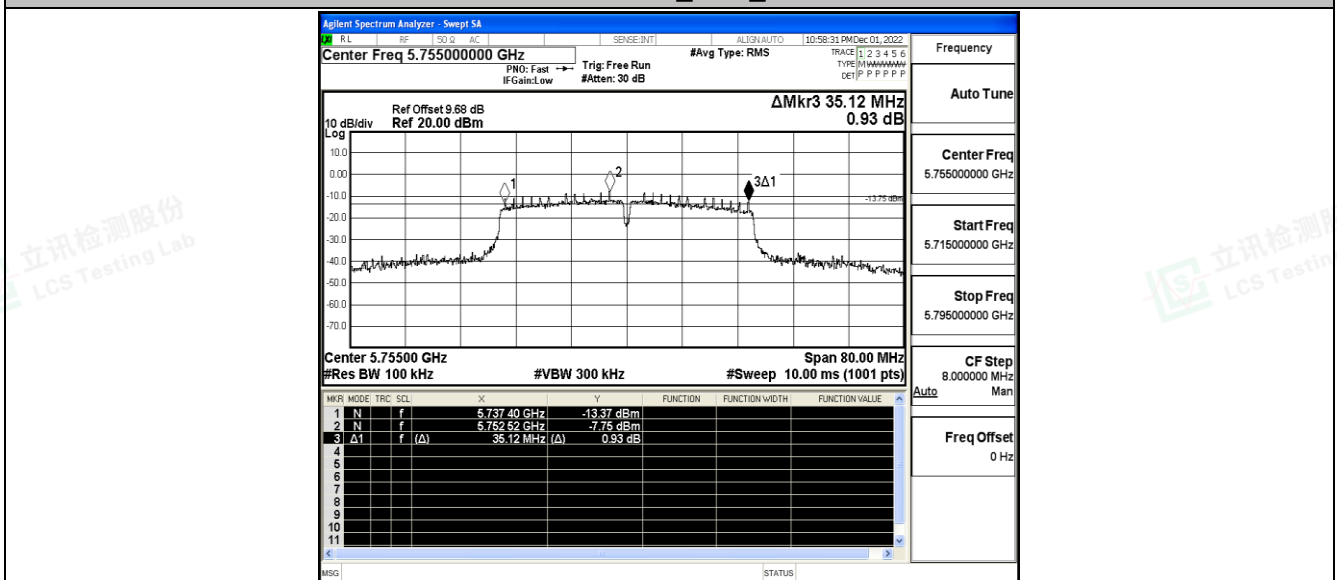


11AC20SISO_Ant1_5825



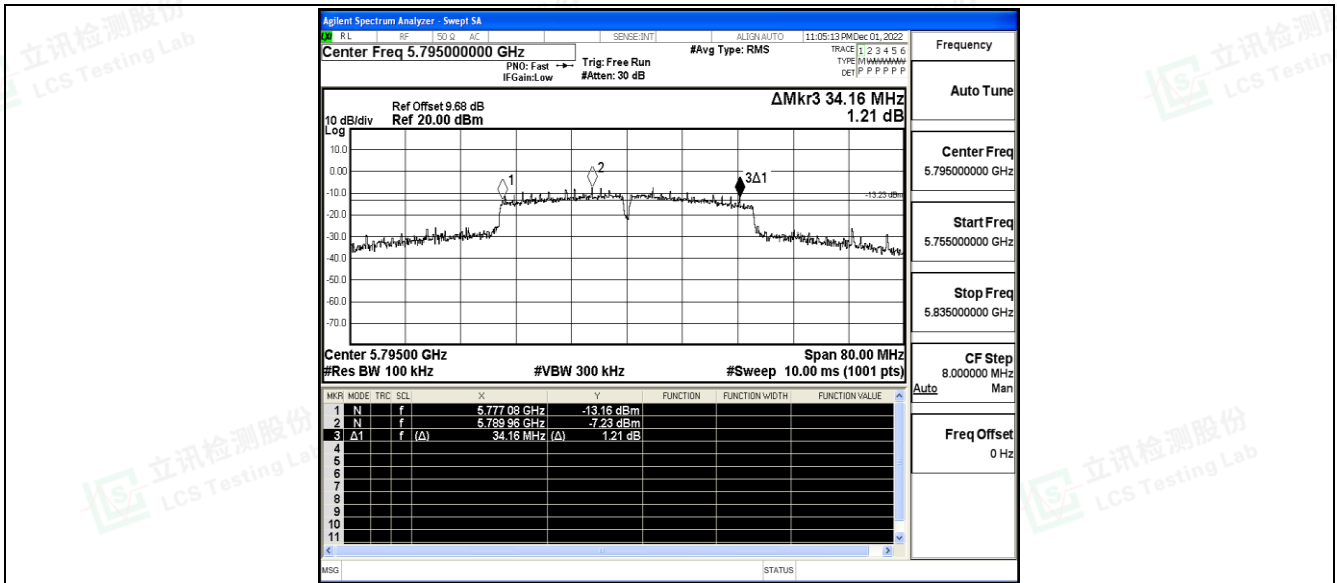


11AC40SISO_Ant1_5755

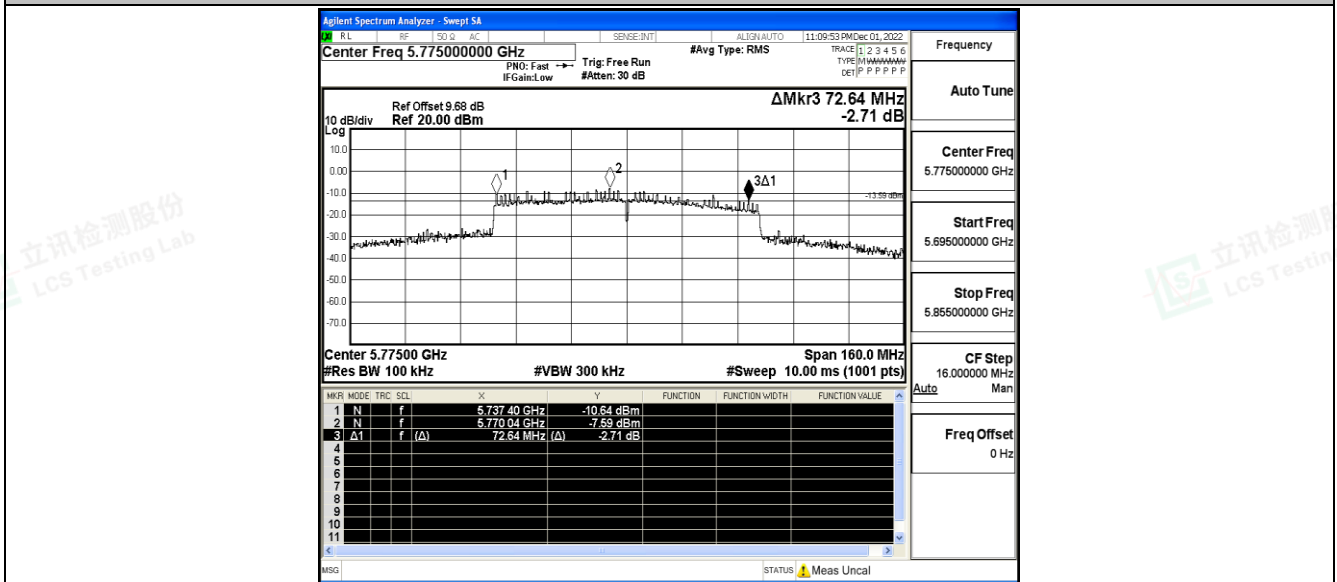


11AC40SISO_Ant1_5795





11AC80SISO_Ant1_5775



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



E.2 Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	6.25	≤30.00	PASS
		5785	6.96	≤30.00	PASS
		5825	6.20	≤30.00	PASS
11N20SISO	Ant1	5745	5.89	≤30.00	PASS
		5785	6.76	≤30.00	PASS
		5825	6.09	≤30.00	PASS
11N40SISO	Ant1	5755	6.53	≤30.00	PASS
		5795	6.24	≤30.00	PASS
11AC20SISO	Ant1	5745	5.82	≤30.00	PASS
		5785	6.85	≤30.00	PASS
		5825	6.19	≤30.00	PASS
11AC40SISO	Ant1	5755	6.53	≤30.00	PASS
		5795	5.75	≤30.00	PASS
11AC80SISO	Ant1	5775	6.78	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.



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



E.3 Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-7.07	≤30.00	PASS
		5785	-9.28	≤30.00	PASS
		5825	-7.05	≤30.00	PASS
11N20SISO	Ant1	5745	-7.54	≤30.00	PASS
		5785	-6.74	≤30.00	PASS
		5825	-7.26	≤30.00	PASS
11N40SISO	Ant1	5755	-9.91	≤30.00	PASS
		5795	-10.16	≤30.00	PASS
11AC20SISO	Ant1	5745	-7.63	≤30.00	PASS
		5785	-6.61	≤30.00	PASS
		5825	-7.3	≤30.00	PASS
11AC40SISO	Ant1	5755	-9.85	≤30.00	PASS
		5795	-10.62	≤30.00	PASS
11AC80SISO	Ant1	5775	-12.67	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

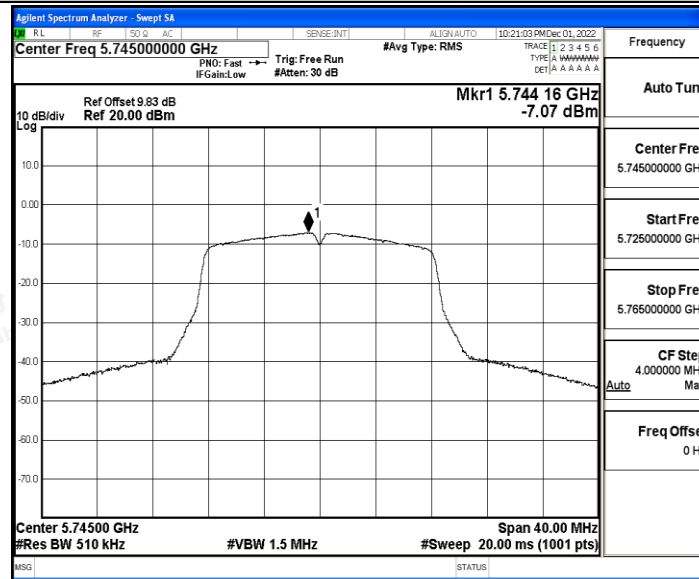


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

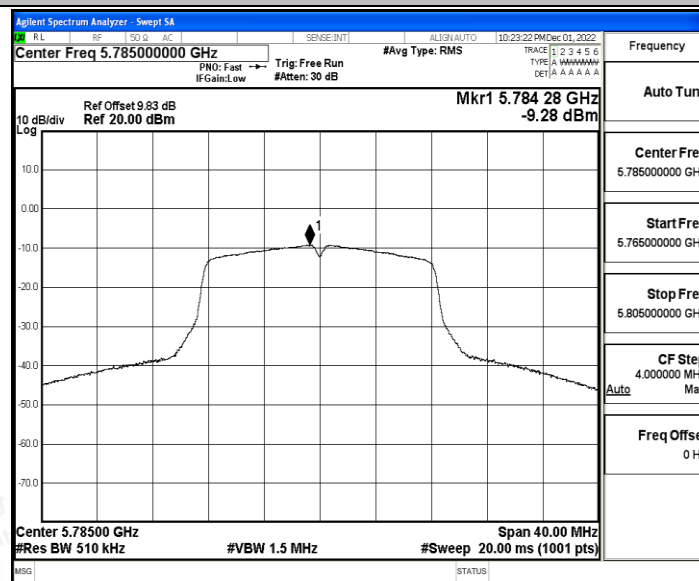


Test Graphs

11A_Ant1_5745

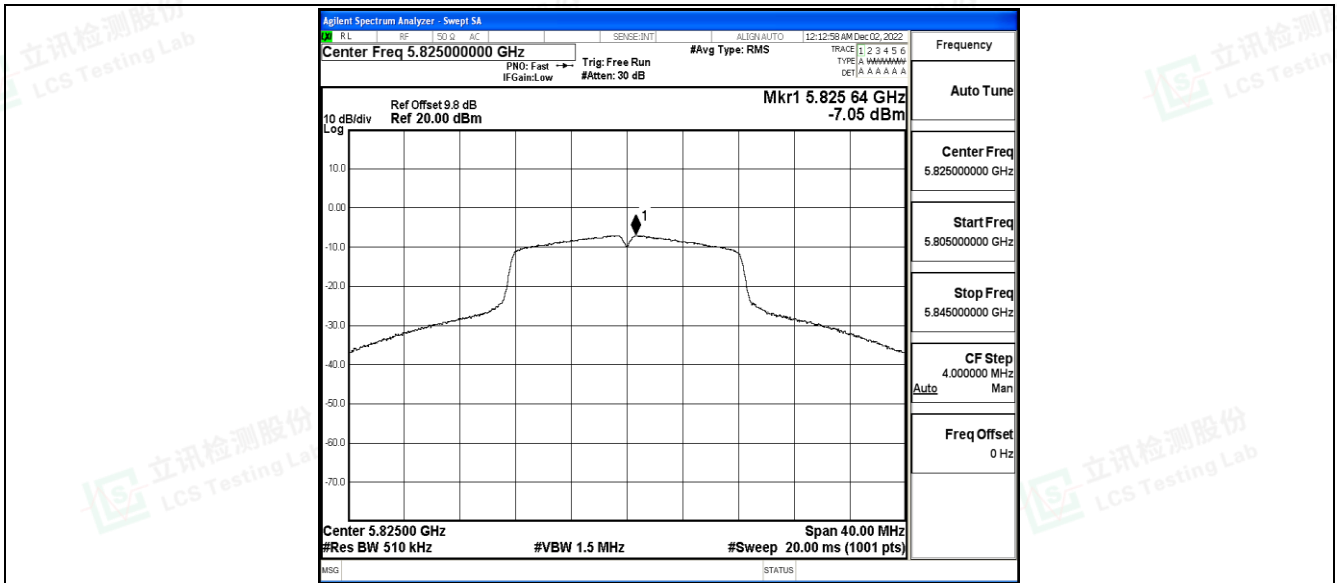


11A_Ant1_5785

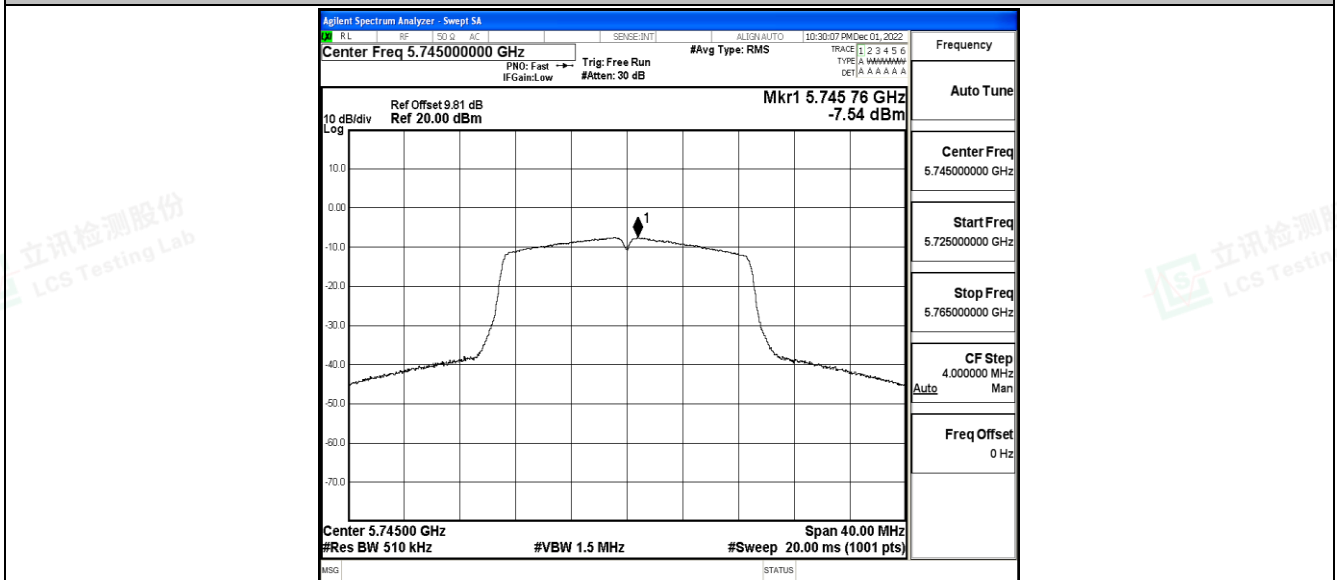


11A_Ant1_5825



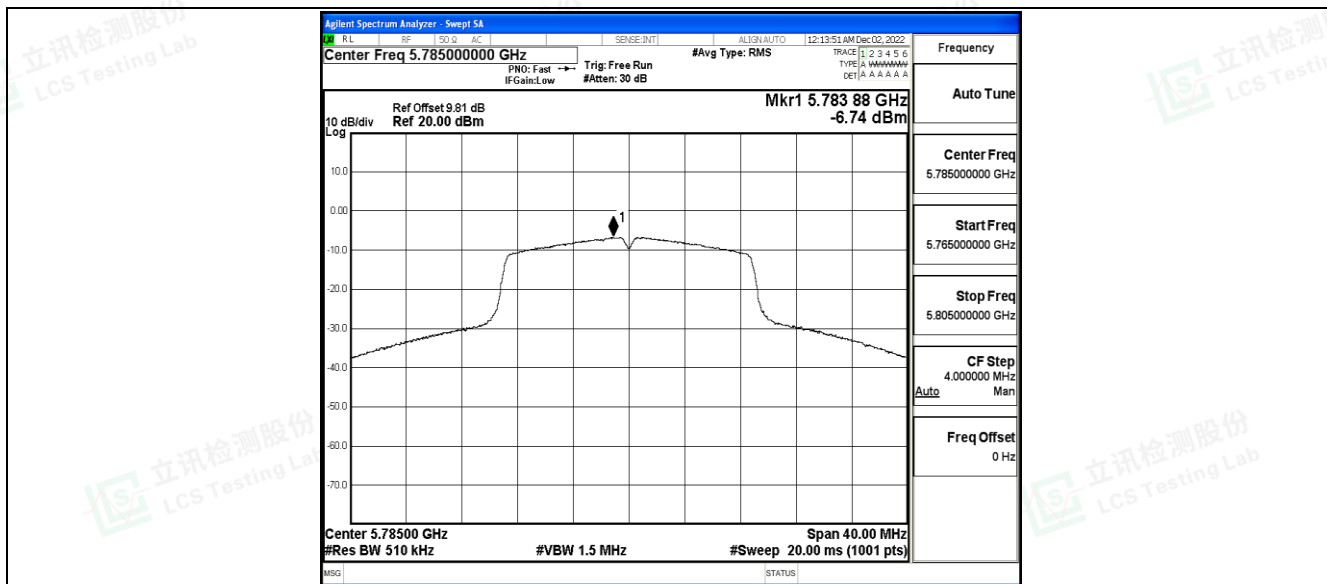


11N20SISO_Ant1_5745

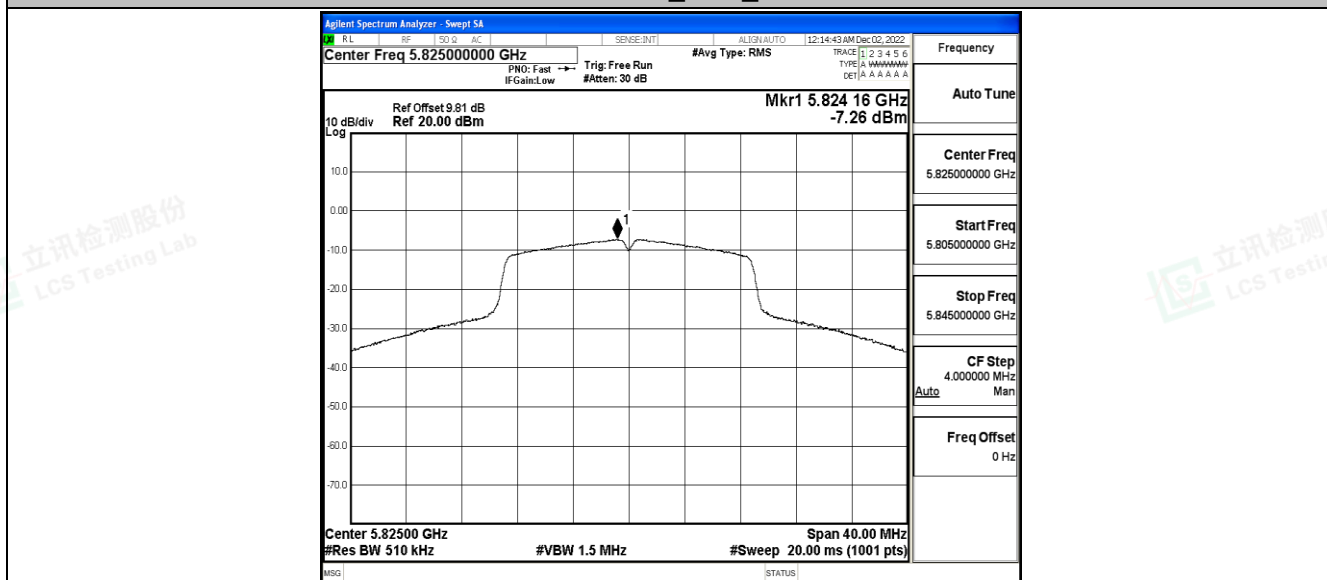


11N20SISO_Ant1_5785



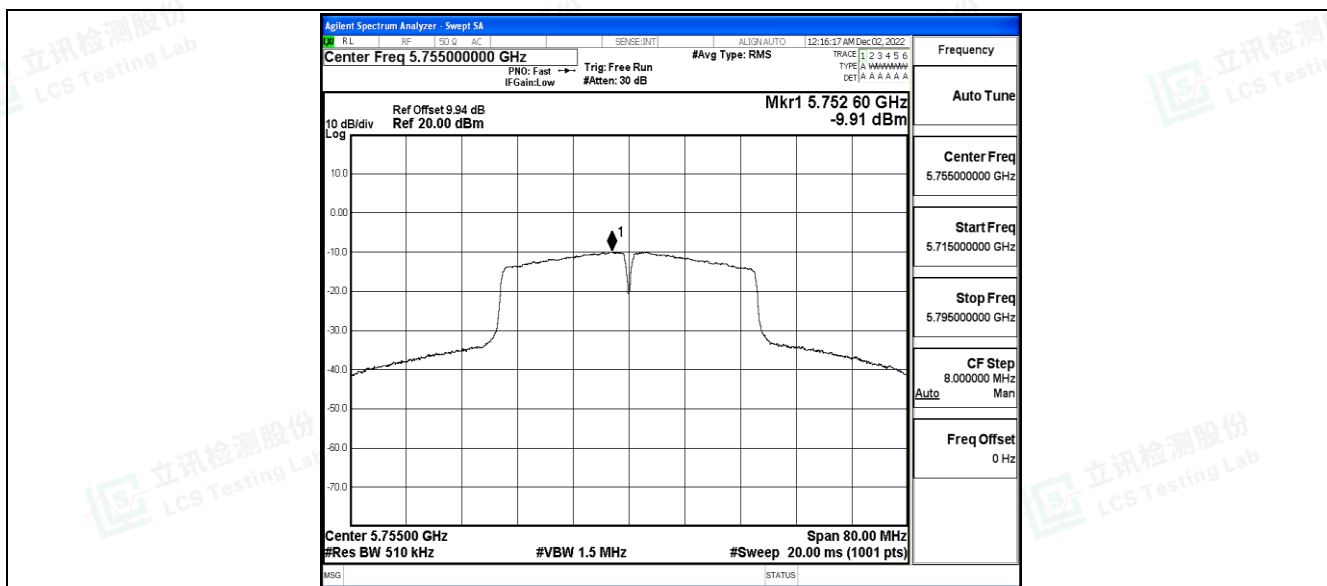


11N20SISO_Ant1_5825

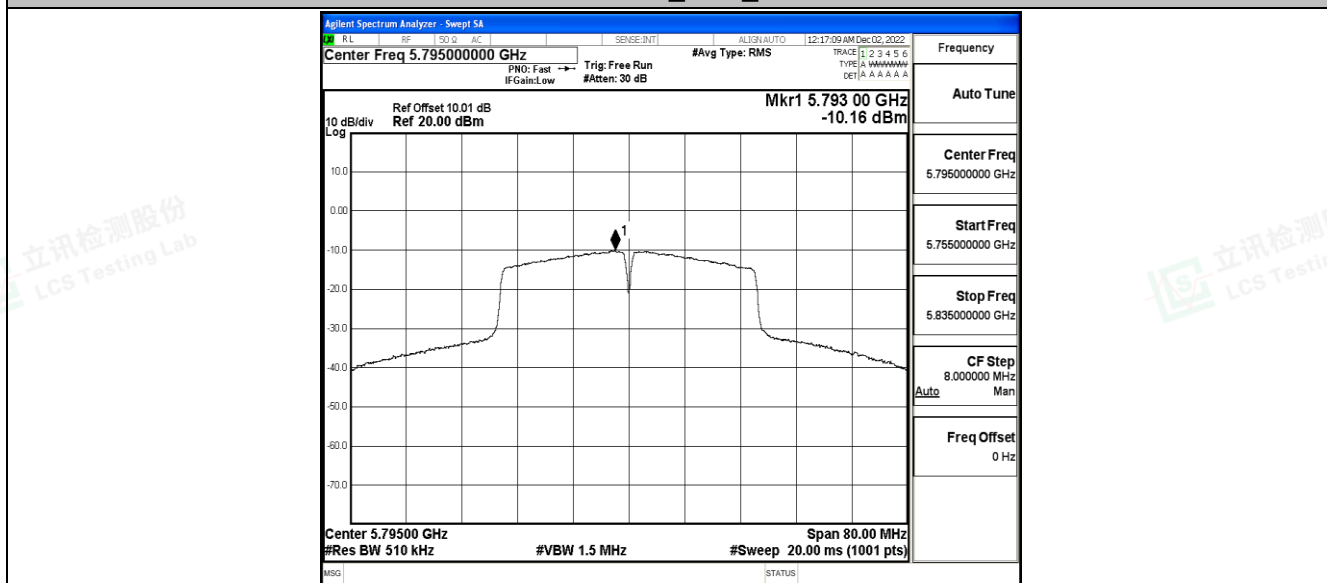


11N40SISO_Ant1_5755



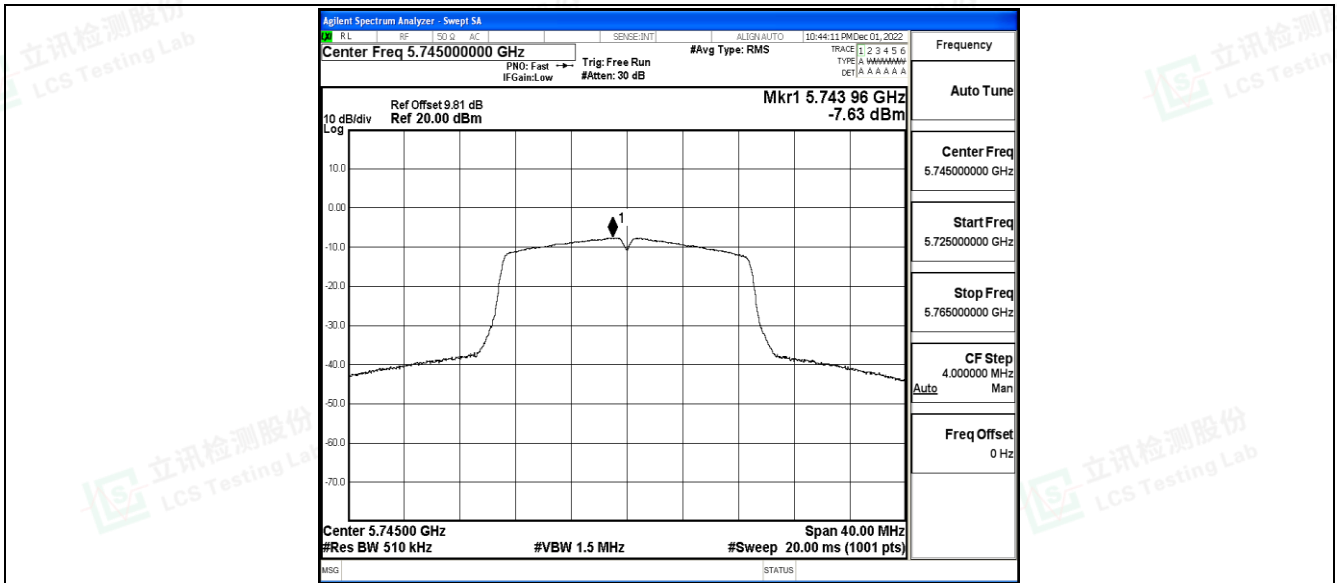


11N40SISO_Ant1_5795

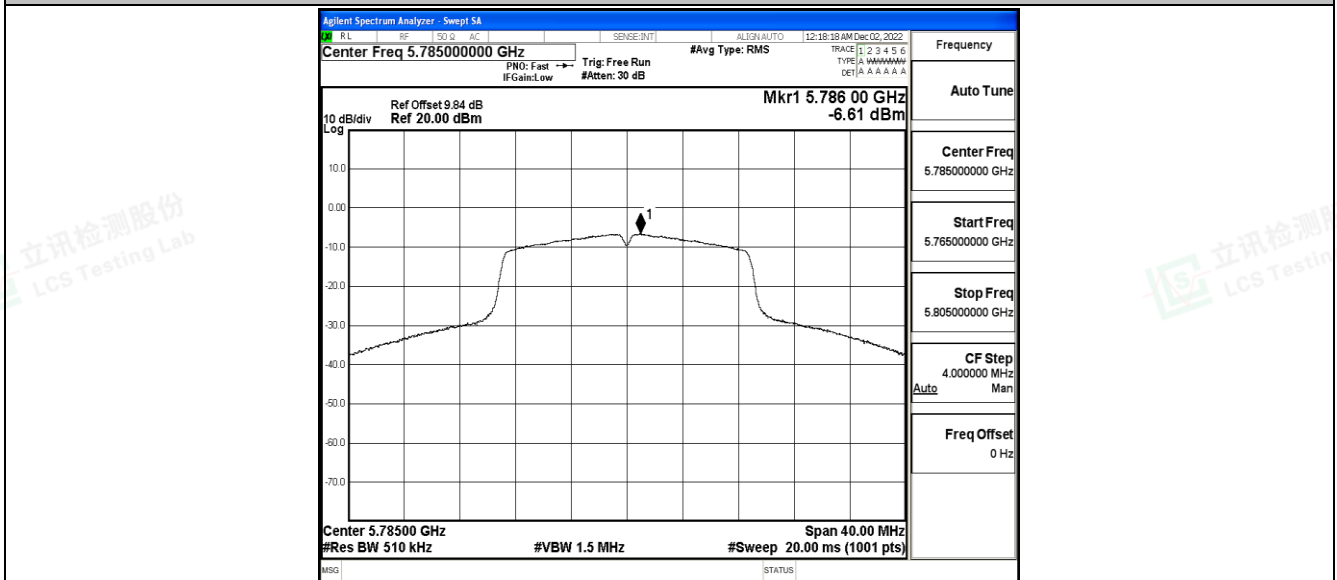


11AC20SISO_Ant1_5745



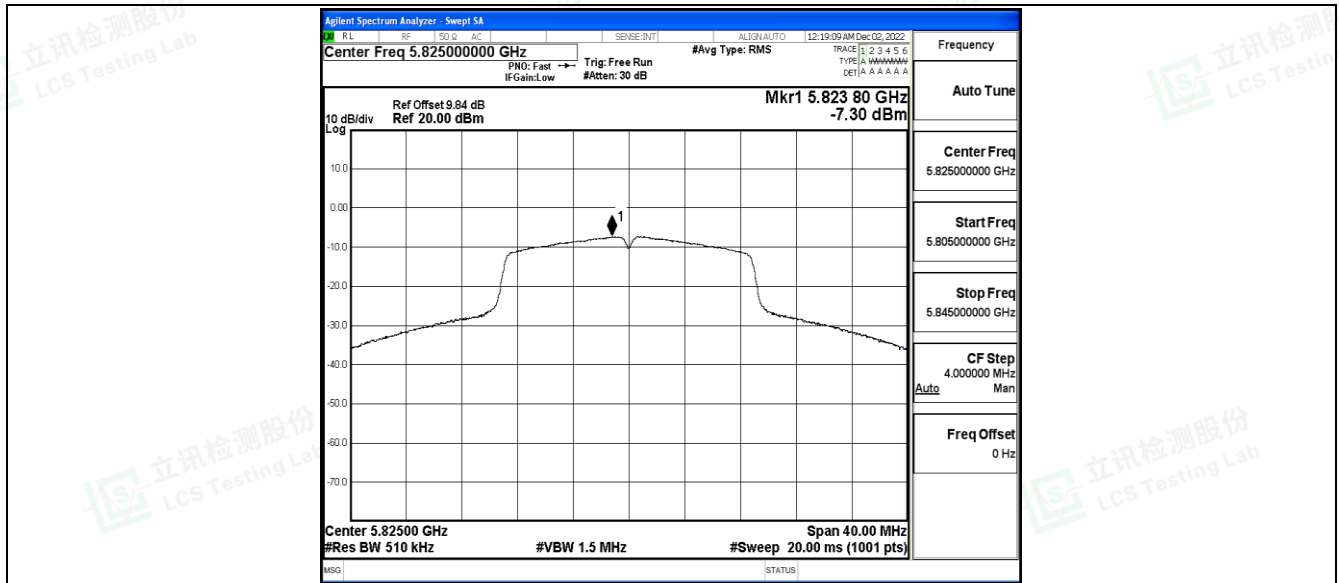


11AC20SISO_Ant1_5785

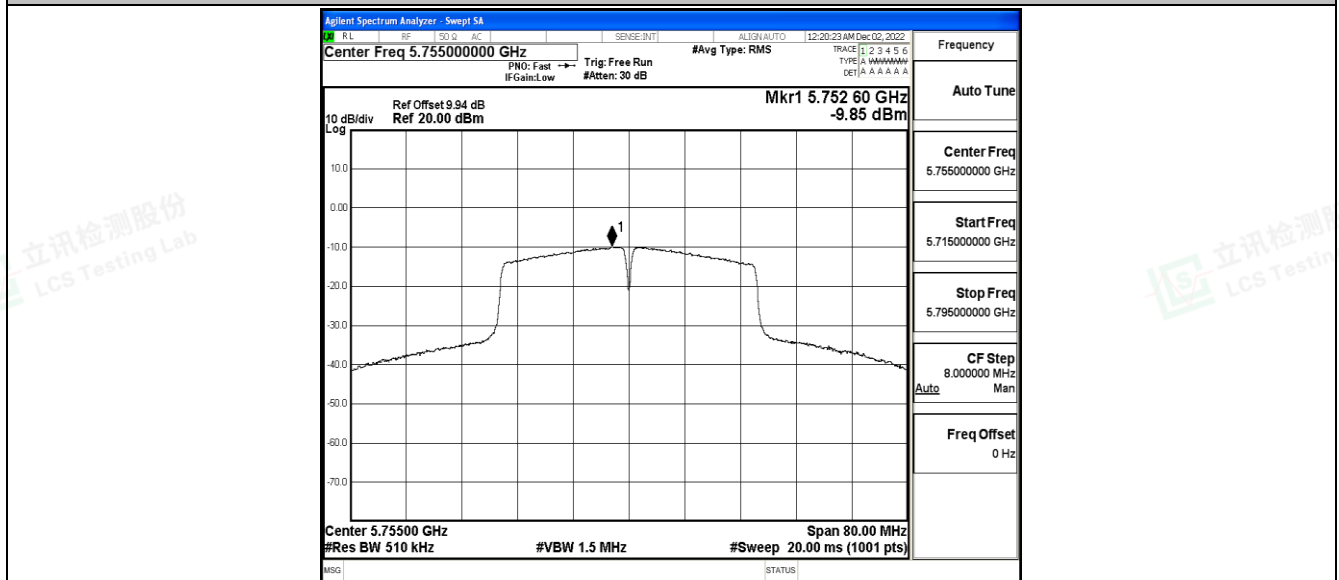


11AC20SISO_Ant1_5825



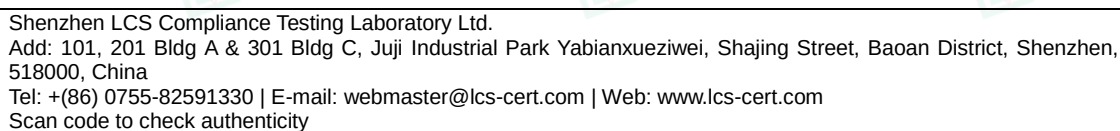
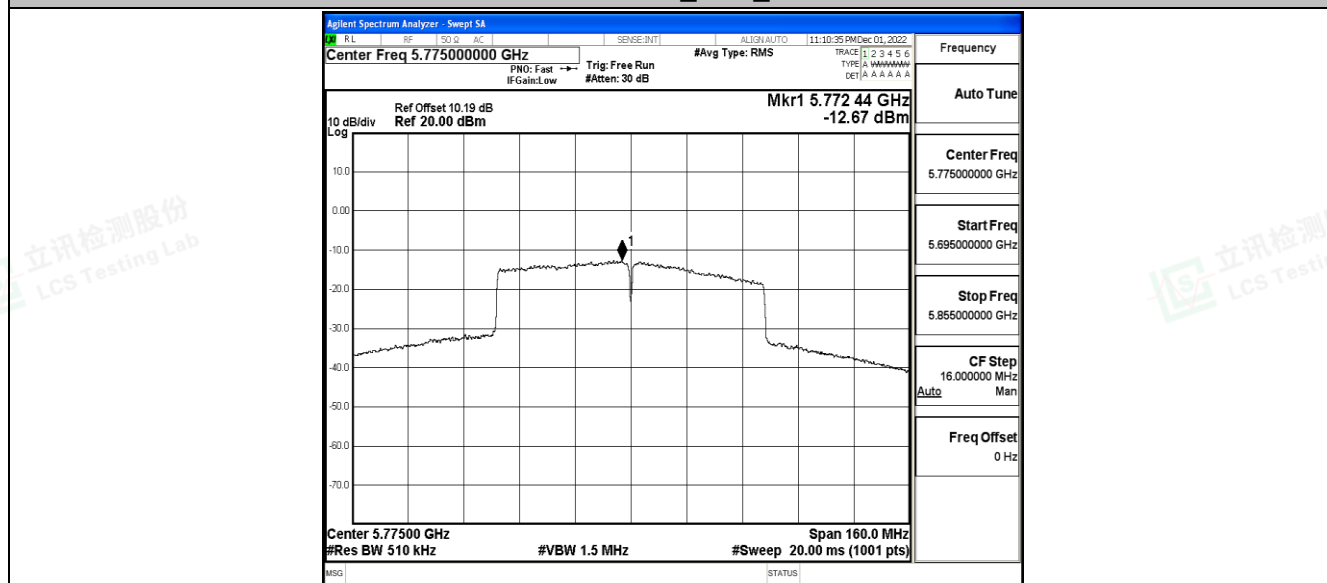
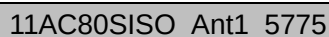


11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795







E.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-46.313	≤-27.00	---	---	PASS
				Peak	5700.000	-44.35	≤10.00	---	---	PASS
				Peak	5720.000	-37.51	≤15.60	---	---	PASS
				Peak	5725.000	-35.64	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-41.321	≤15.60	---	---	PASS
				Peak	5855.000	-41.48	≤27.00	---	---	PASS
				Peak	5875.000	-40.84	≤15.60	---	---	PASS
				Peak	5925.000	-40.17	≤10.00	---	---	PASS
11N20SI SO	Ant1	Low	5745	Peak	5650.000	-45.353	≤-27.00	---	---	PASS
				Peak	5700.000	-40.82	≤10.00	---	---	PASS
				Peak	5720.000	-39.18	≤15.60	---	---	PASS
				Peak	5725.000	-41.48	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-36.131	≤15.60	---	---	PASS
				Peak	5855.000	-42.84	≤27.00	---	---	PASS
				Peak	5875.000	-40.68	≤15.60	---	---	PASS
				Peak	5925.000	-44.65	≤10.00	---	---	PASS
11N40SI SO	Ant1	Low	5755	Peak	5650.000	-46.473	≤-27.00	---	---	PASS
				Peak	5700.000	-38.87	≤10.00	---	---	PASS
				Peak	5720.000	-31.46	≤15.60	---	---	PASS
				Peak	5725.000	-30.04	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-40.493	≤15.60	---	---	PASS
				Peak	5855.000	-43.25	≤27.00	---	---	PASS
				Peak	5875.000	-44.23	≤15.60	---	---	PASS
				Peak	5925.000	-44.67	≤10.00	---	---	PASS
11AC20S ISO	Ant1	Low	5745	Peak	5650.000	-42.584	≤-27.00	---	---	PASS
				Peak	5700.000	-43.18	≤10.00	---	---	PASS
				Peak	5720.000	-42.28	≤15.60	---	---	PASS
				Peak	5725.000	-35.35	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-39.275	≤15.60	---	---	PASS
				Peak	5855.000	-40.81	≤27.00	---	---	PASS
				Peak	5875.000	-38.29	≤15.60	---	---	PASS
				Peak	5925.000	-42.89	≤10.00	---	---	PASS
11AC40S ISO	Ant1	Low	5755	Peak	5650.000	-44.122	≤-27.00	---	---	PASS
				Peak	5700.000	-42.06	≤10.00	---	---	PASS
				Peak	5720.000	-32.29	≤15.60	---	---	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



		High	5795	Peak	5725.000	-33.98	≤ 27.00	- - -	- - -	PASS
				Peak	5850.000	-41.779	≤ 15.60	---	---	PASS
				Peak	5855.000	-37.75	≤ 27.00	---	---	PASS
				Peak	5875.000	-42.17	≤ 15.60	---	---	PASS
				Peak	5925.000	-44.61	≤ 10.00	- - -	- - -	PASS
11AC80S ISO	Ant1	Low	5775	Peak	5650.000	-35.916	≤ -27.00	---	---	PASS
				Peak	5700.000	-25.18	≤ 10.00	---	---	PASS
				Peak	5720.000	-17.14	≤ 15.60	---	---	PASS
				Peak	5725.000	-22.85	≤ 27.00	- - -	- - -	PASS
		High	5775	Peak	5850.000	-29.588	≤ 15.60	---	---	PASS
				Peak	5855.000	-29.82	≤ 27.00	---	---	PASS
				Peak	5875.000	-39.74	≤ 15.60	---	---	PASS
				Peak	5925.000	-41.11	≤ 10.00	- - -	- - -	PASS

Note:

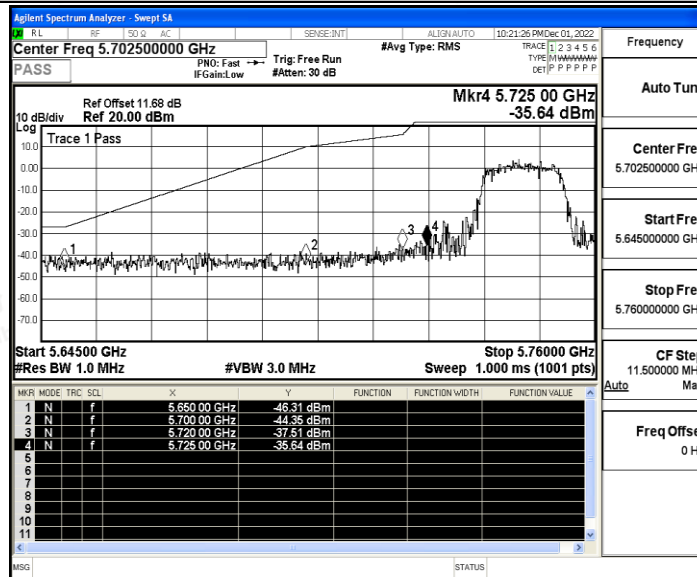
1. The Antenna Gain is compensated in the graph.
2. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



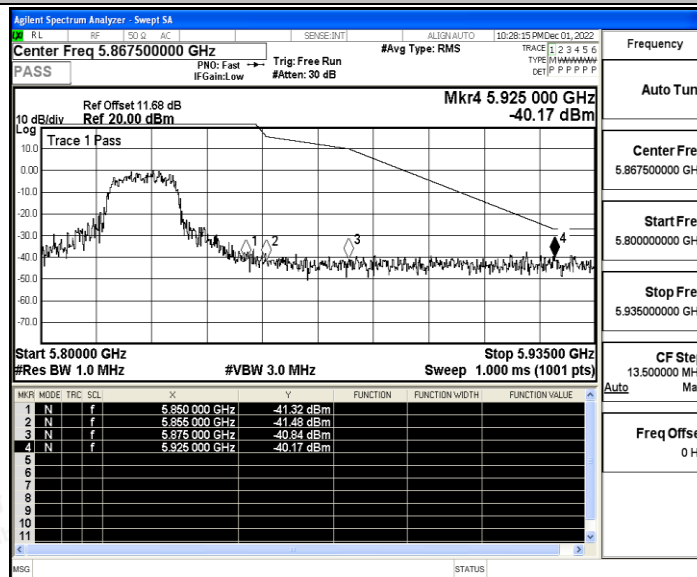


Test Graphs

11A_Ant1_Low_5745_Peak

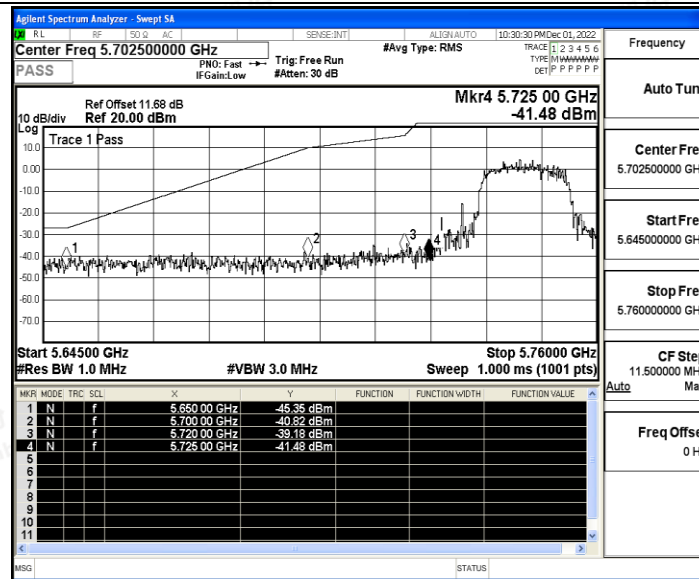


11A_Ant1_High_5825_Peak

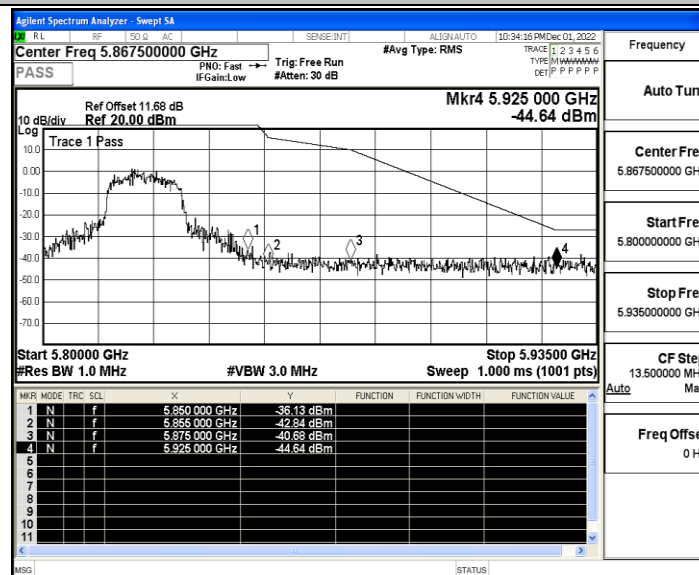


11N20SISO_Ant1_Low_5745_Peak



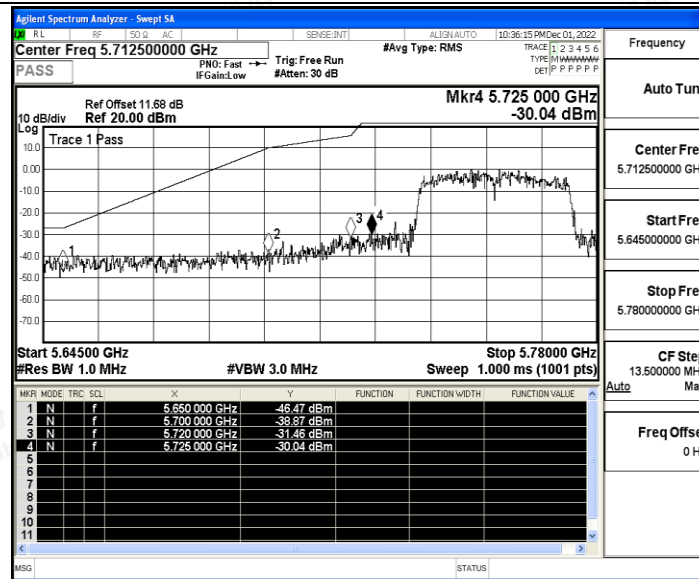


11N20SISO_Ant1_High_5825_Peak

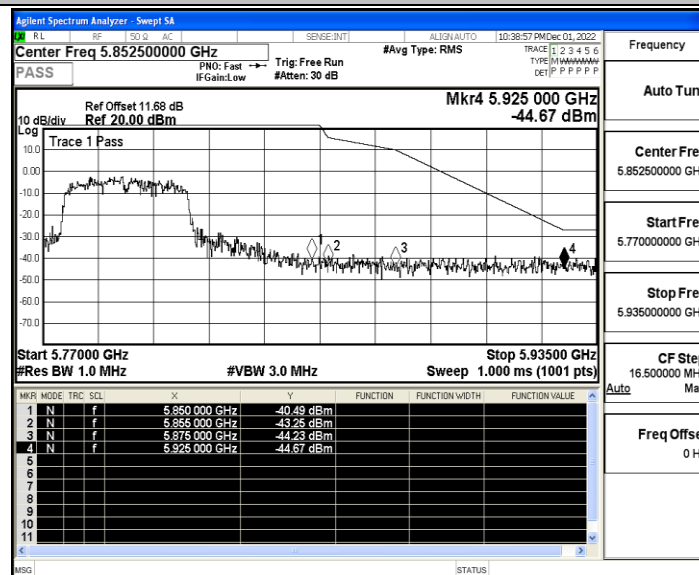


11N40SISO_Ant1_Low_5755_Peak



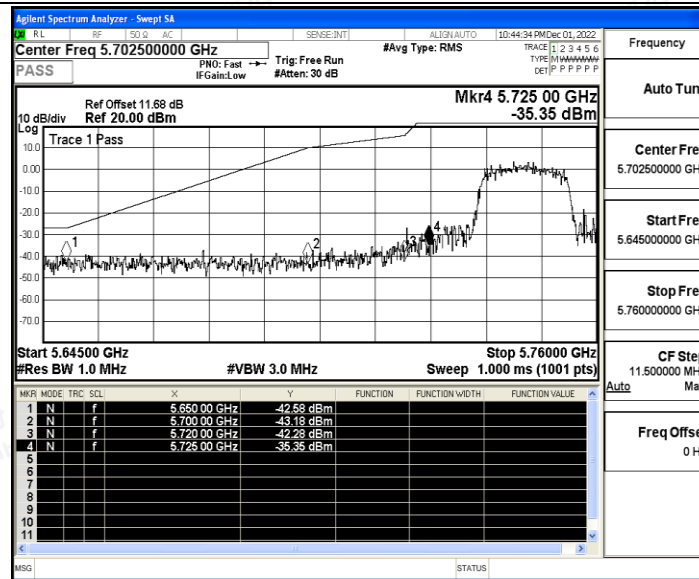


11N40SISO_Ant1_High_5795_Peak

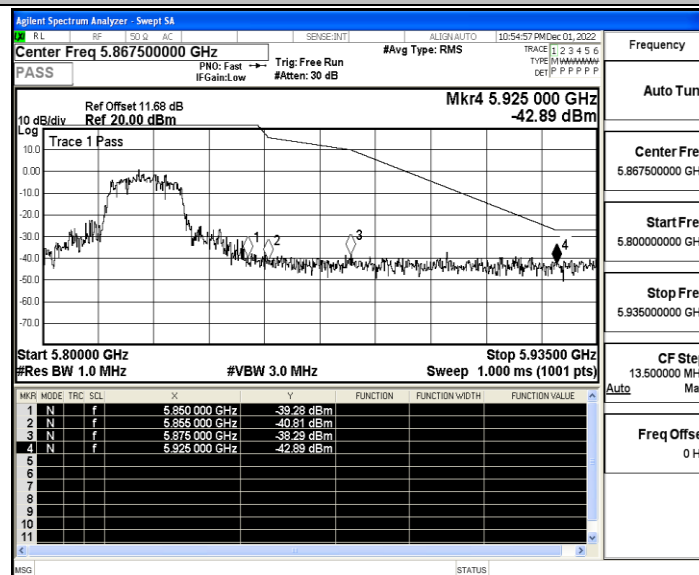


11AC20SISO_Ant1_Low_5745_Peak





11AC20SISO_Ant1_High_5825_Peak



11AC40SISO_Ant1_Low_5755_Peak

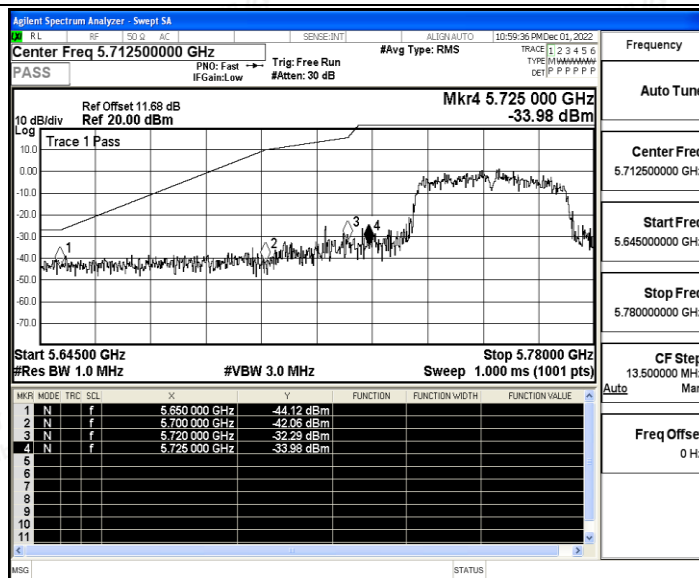


Shenzhen LCS Compliance Testing Laboratory Ltd.

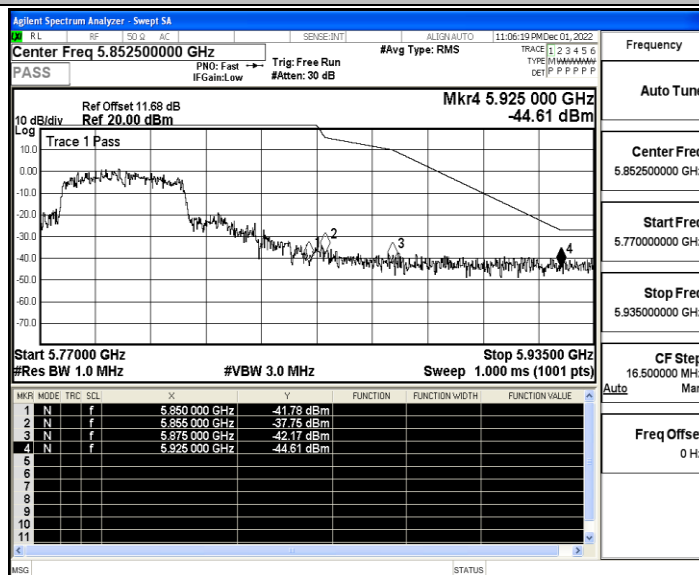
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



11AC40SISO_Ant1_High_5795_Peak



11AC80SISO_Ant1_Low_5775_Peak

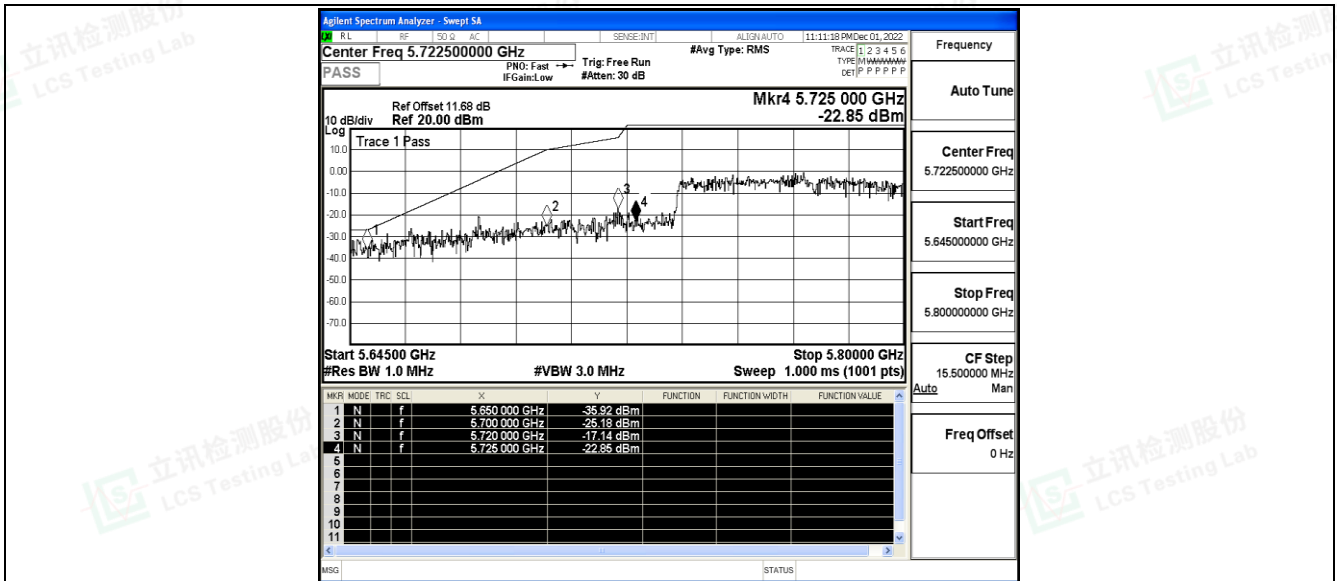


Shenzhen LCS Compliance Testing Laboratory Ltd.

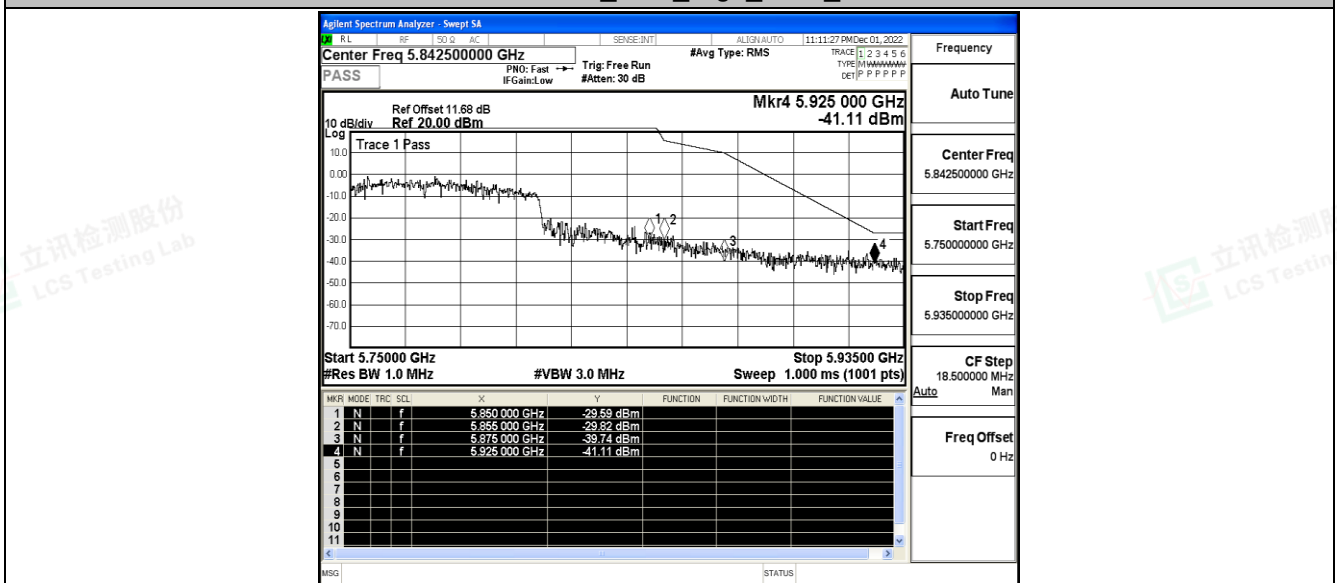
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



11AC80SISO_Ant1_High_5775_Peak





E.5 Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Frequenc y[MHz]	Voltage [Vdc]	Temperat ure (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SIS O	Ant1	5745	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-20000.00	-3.481288	20	PASS
			HV	NT	-40000.00	-6.962576	20	PASS
		5785	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-20000.00	-3.457217	20	PASS
		5825	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-20000.00	-3.433476	20	PASS
			HV	NT	-20000.00	-3.433476	20	PASS
11AC40SIS O	Ant1	5755	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-6.950478	20	PASS
			HV	NT	-40000.00	-6.950478	20	PASS
		5795	NV	NT	-40000.00	-6.902502	20	PASS
			LV	NT	-40000.00	-6.902502	20	PASS
			HV	NT	-40000.00	-6.902502	20	PASS
11AC80SIS O	Ant1	5775	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS

Temperature								
TestMode	Antenna	Frequenc y[MHz]	Voltage [Vdc]	Temperat ure (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SIS O	Ant1	5745	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.481288	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-6.962576	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.481288	20	PASS
			NV	50	-20000.00	-3.481288	20	PASS
		5785	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	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



			NV	0	-20000.00	-3.457217	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.457217	20	PASS
		5825	NV	-30	-20000.00	-3.433476	20	PASS
			NV	-20	-20000.00	-3.433476	20	PASS
			NV	-10	20000.00	3.433476	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.433476	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.433476	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.433476	20	PASS
11AC40SIS O	Ant1	5755	NV	-30	-40000.00	-6.950478	20	PASS
			NV	-20	-40000.00	-6.950478	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-40000.00	-6.950478	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5795	NV	-30	-40000.00	-6.902502	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-40000.00	-6.902502	20	PASS
			NV	0	-40000.00	-6.902502	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-6.902502	20	PASS
			NV	30	-40000.00	-6.902502	20	PASS
			NV	40	-40000.00	-6.902502	20	PASS
			NV	50	0.00	0.000000	20	PASS
11AC80SIS O	Ant1	5775	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	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



	NV	40	0.00	0.000000	20	PASS
	NV	50	0.00	0.000000	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



E.6 Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T(kHz)
11A	Ant1	5745	1.39	1.44	96.53	0.72
		5785	1.39	1.44	96.53	0.72
		5825	1.39	1.43	97.20	0.72
11N20SISO	Ant1	5745	1.30	1.34	97.01	0.77
		5785	1.30	1.34	97.01	0.77
		5825	1.30	1.34	97.01	0.77
11N40SISO	Ant1	5755	0.65	0.69	94.20	1.54
		5795	0.64	0.69	92.75	1.56
11AC20SISO	Ant1	5745	1.31	1.35	97.04	0.76
		5785	1.31	1.36	96.32	0.76
		5825	1.31	1.36	96.32	0.76
11AC40SISO	Ant1	5755	0.65	0.69	94.20	1.54
		5795	0.66	0.70	94.29	1.52
11AC80SISO	Ant1	5775	0.32	0.36	88.89	3.13

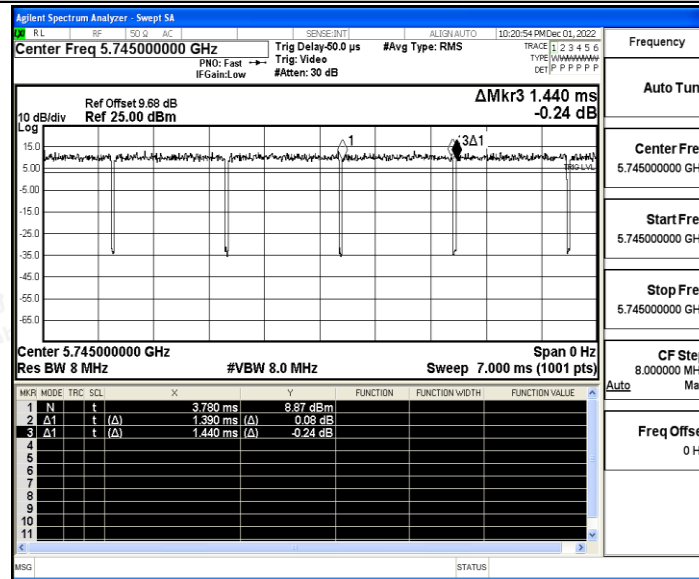


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

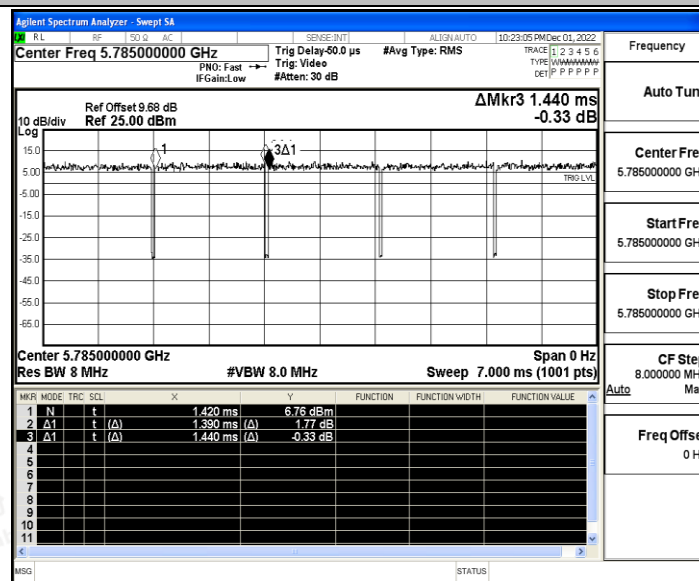


Test Graphs

11A_Ant1_5745

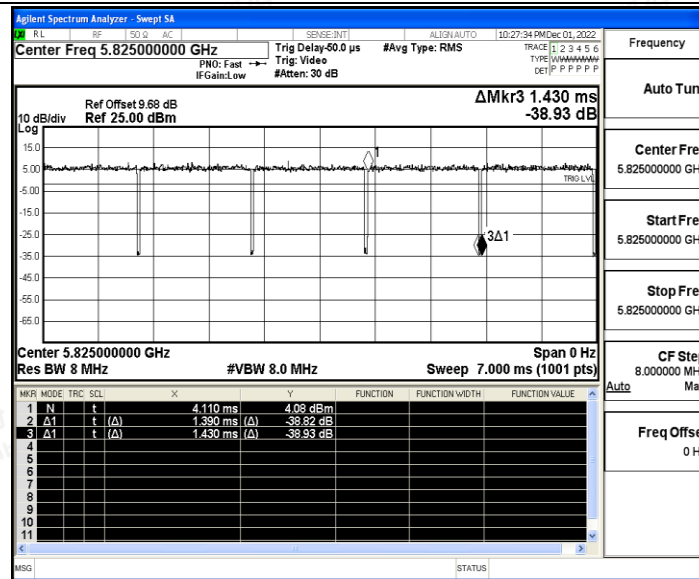


11A_Ant1_5785

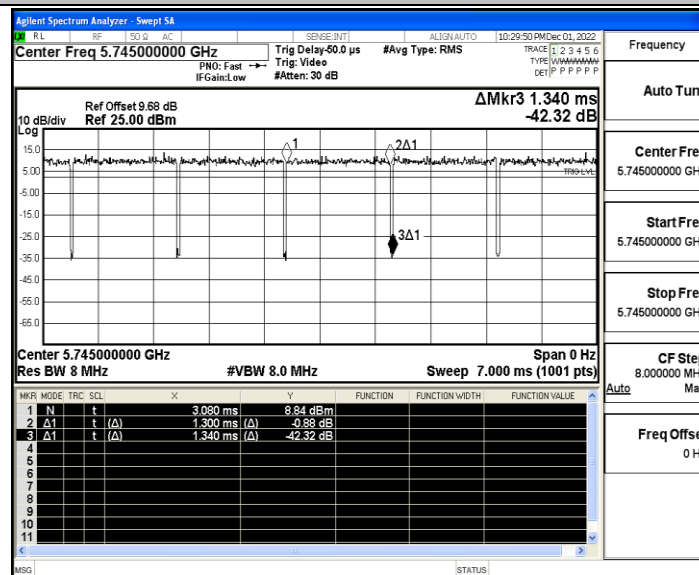


11A_Ant1_5825



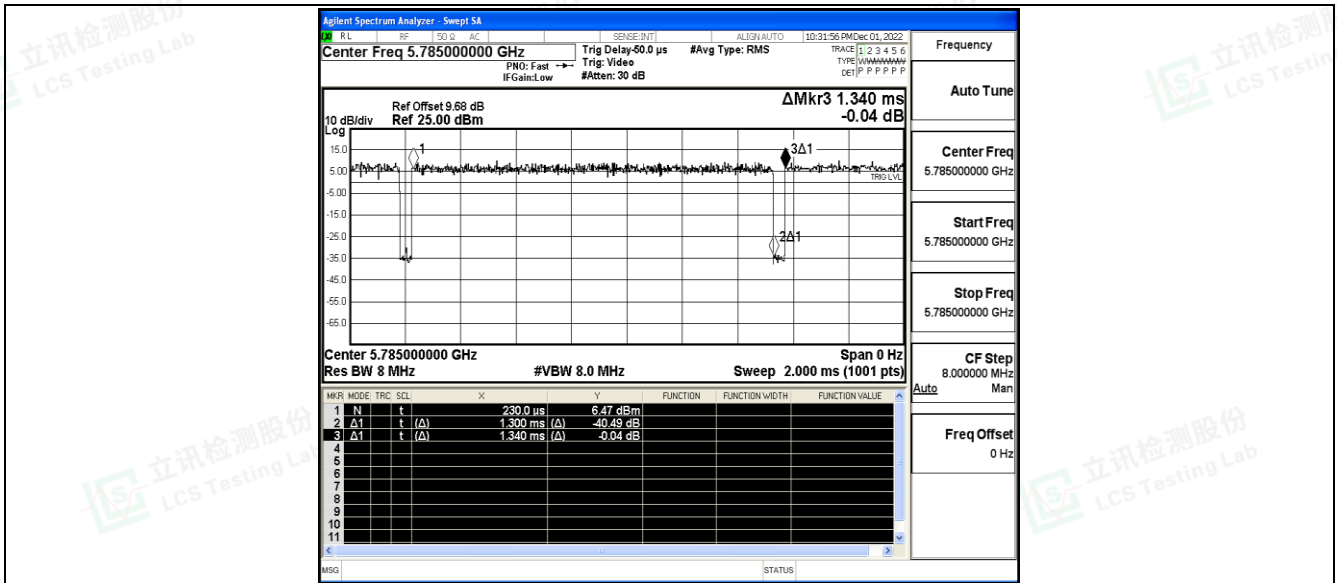


11N20SISO_Ant1_5745

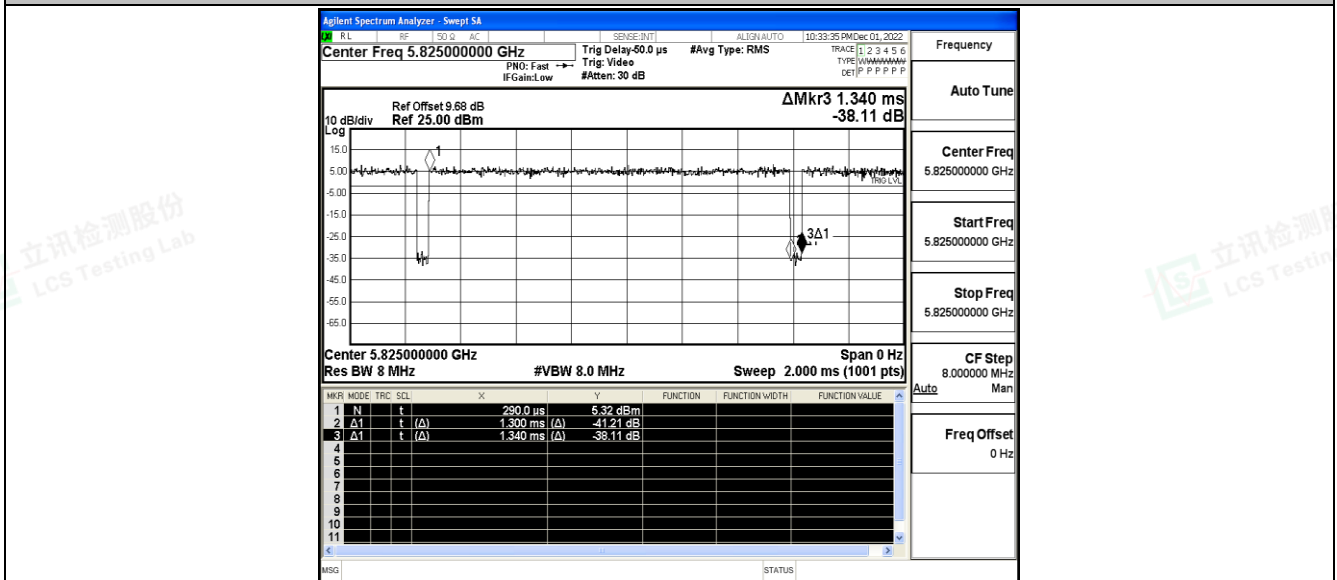


11N20SISO_Ant1_5785



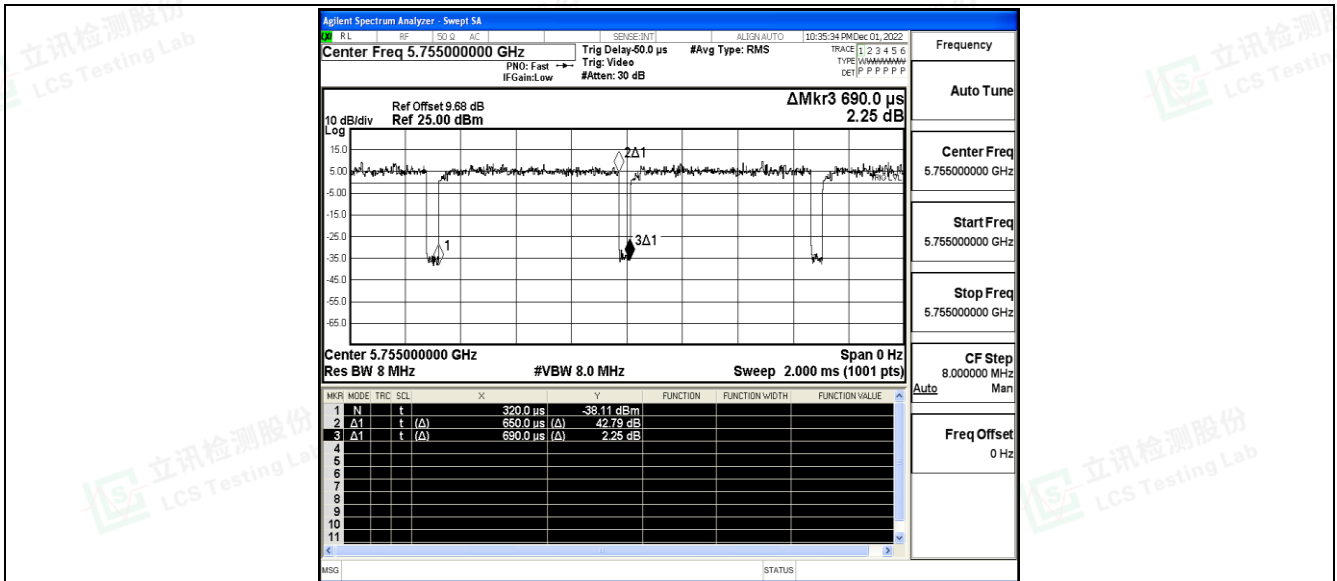


11N20SISO_Ant1_5825

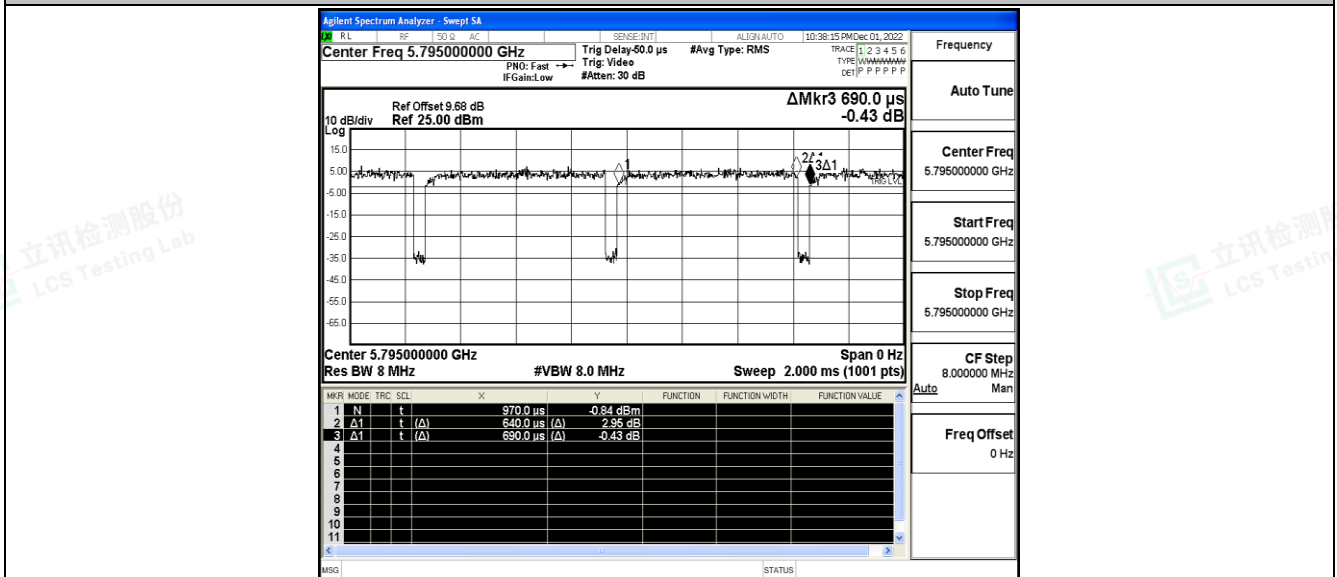


11N40SISO_Ant1_5755



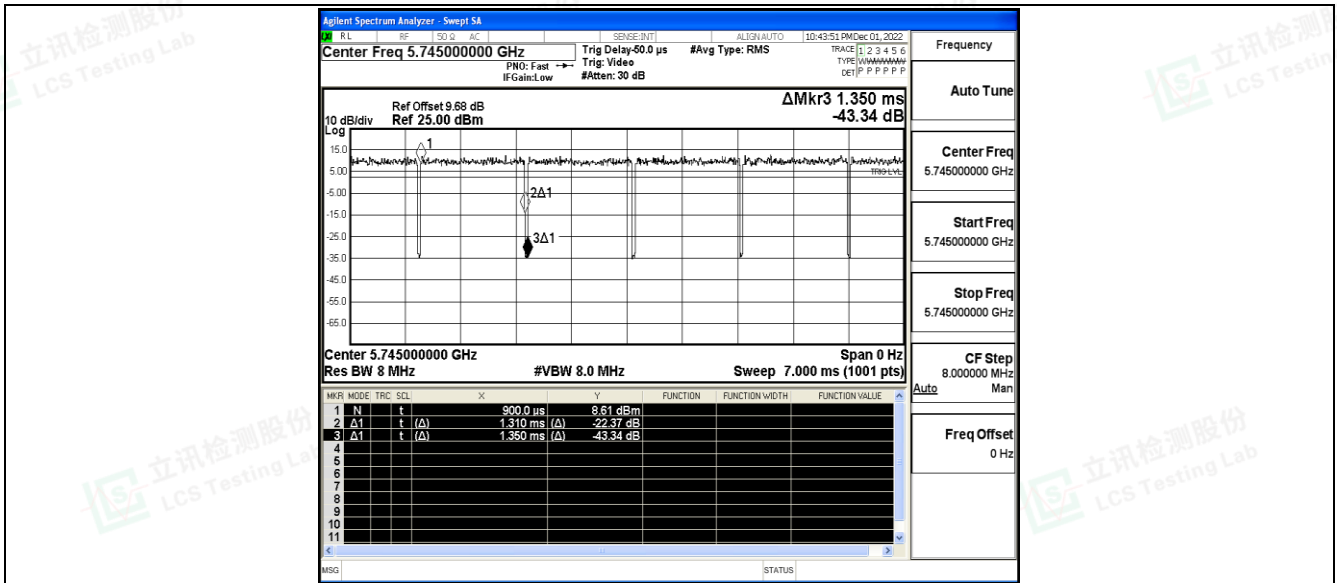


11N40SISO_Ant1_5795

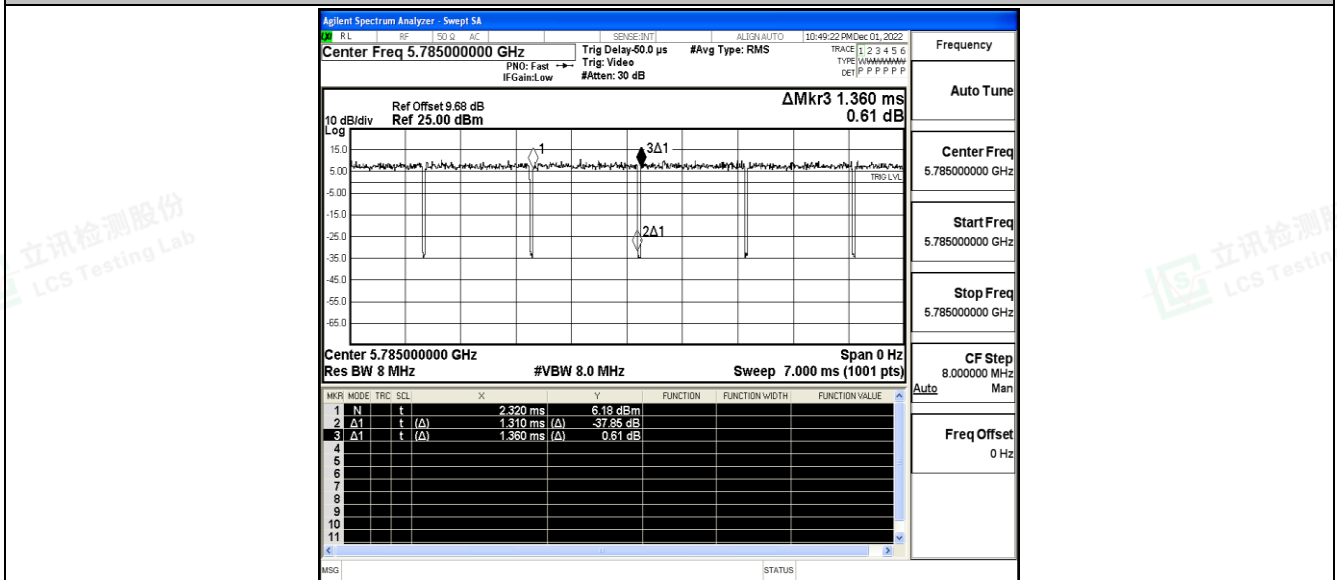


11AC20SISO_Ant1_5745



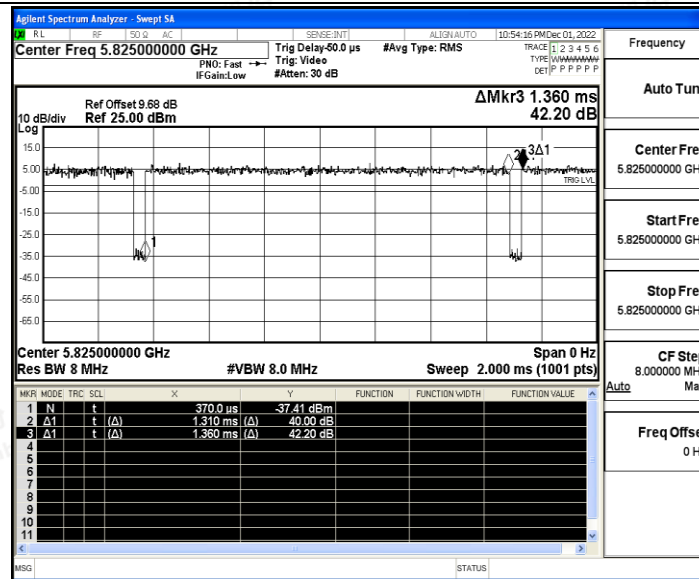


11AC20SISO_Ant1_5785

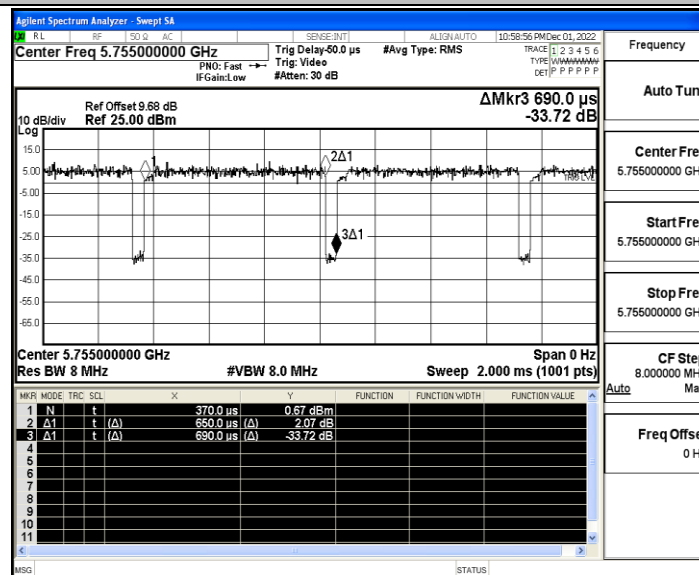


11AC20SISO_Ant1_5825





11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

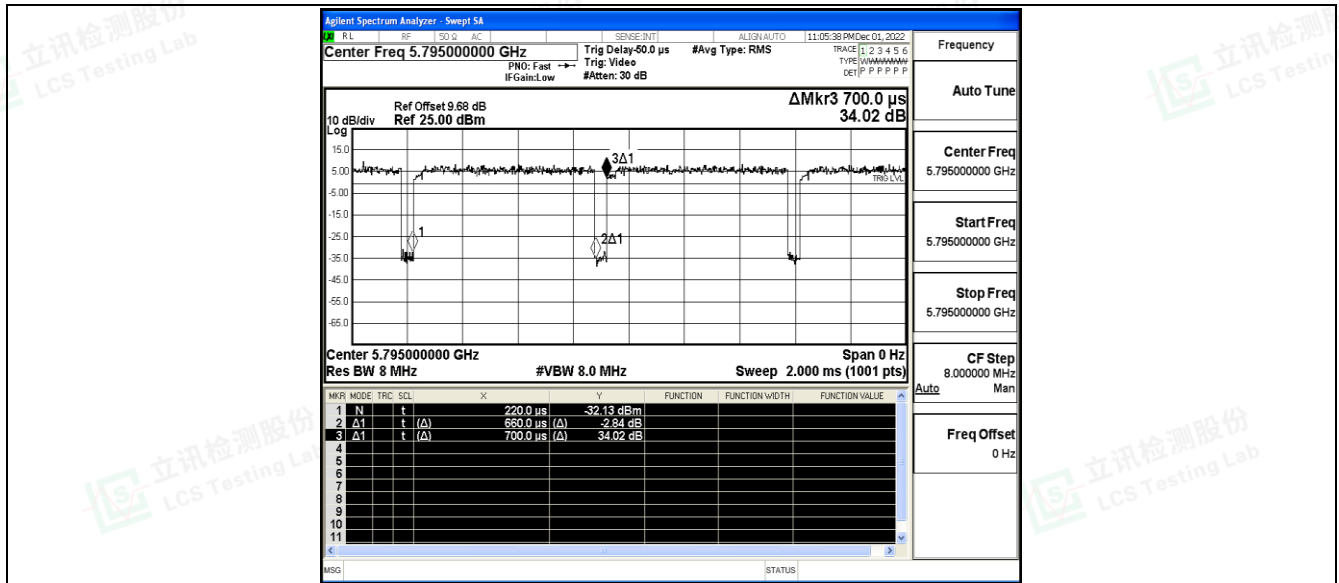


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



11AC80SISO_Ant1_5775

