



## Appendix C

### RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Tablet

Test Model: 8LB1

#### Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	<i>Ling Zhu</i> Ling Zhu
Supervised by:	<i>Li Huan</i> Li Huan





### C.1 DTS Bandwidth

#### Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant	2412	9.040	2406.960	2416.000	0.5	PASS
		2437	9.560	2432.480	2442.040	0.5	PASS
		2462	9.040	2456.960	2466.000	0.5	PASS
11G	Ant	2412	15.680	2403.840	2419.520	0.5	PASS
		2437	15.680	2429.480	2445.160	0.5	PASS
		2462	15.640	2453.840	2469.480	0.5	PASS
11N20SISO	Ant	2412	16.280	2403.240	2419.520	0.5	PASS
		2437	16.280	2429.480	2445.760	0.5	PASS
		2462	16.280	2453.200	2469.480	0.5	PASS
11N40SISO	Ant	2422	36.400	2403.760	2440.160	0.5	PASS
		2437	35.920	2419.240	2455.160	0.5	PASS
		2452	31.280	2434.480	2465.760	0.5	PASS

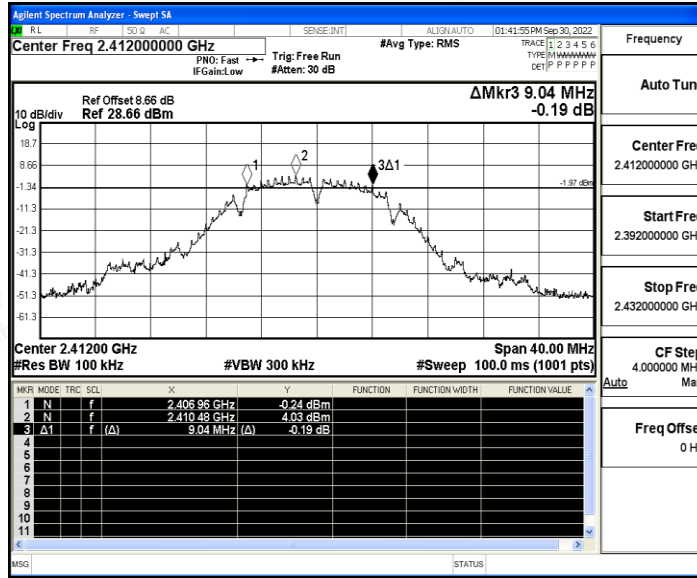


Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity

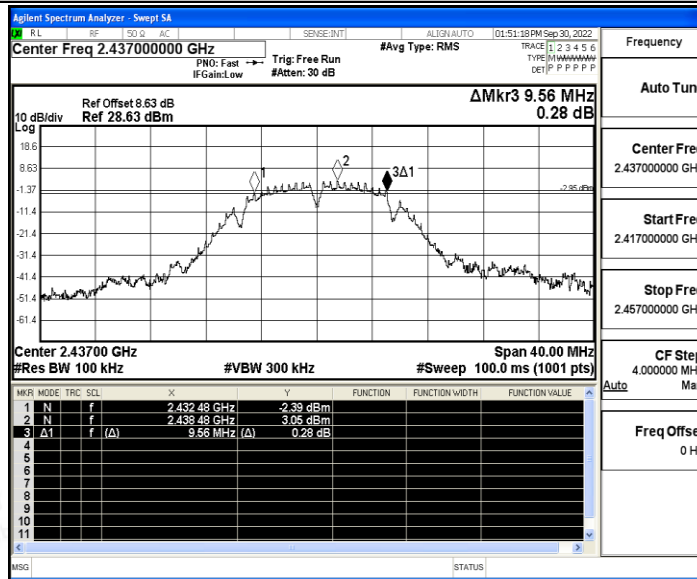


### Test Graphs

11B\_Ant\_2412

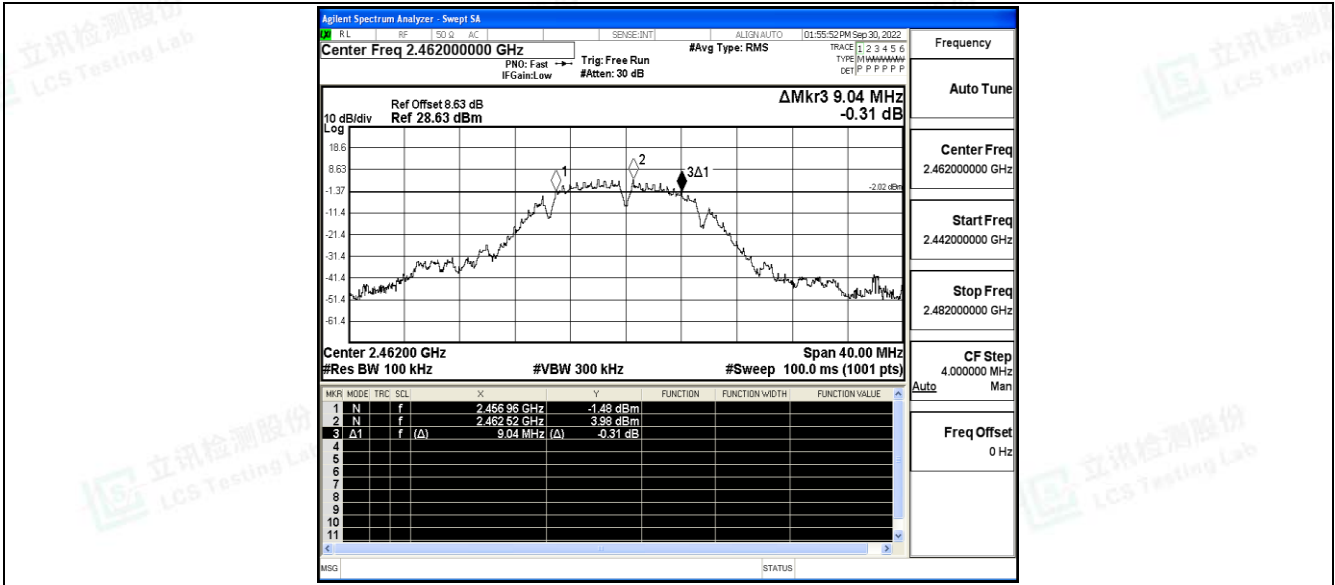


11B\_Ant\_2437

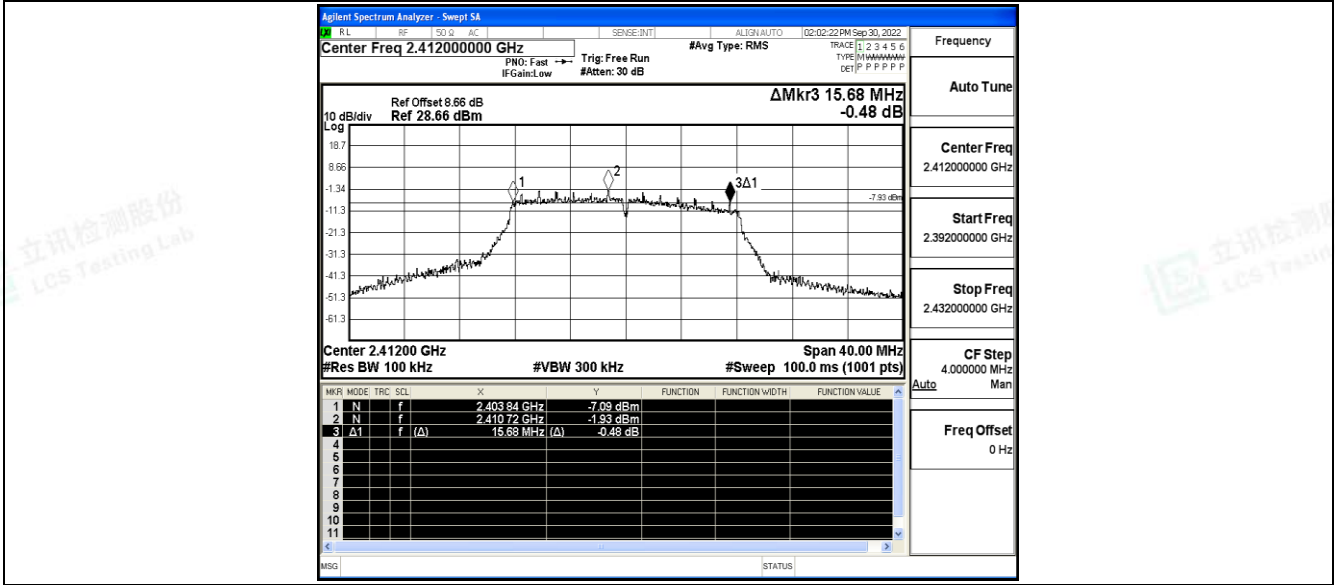


11B\_Ant\_2462



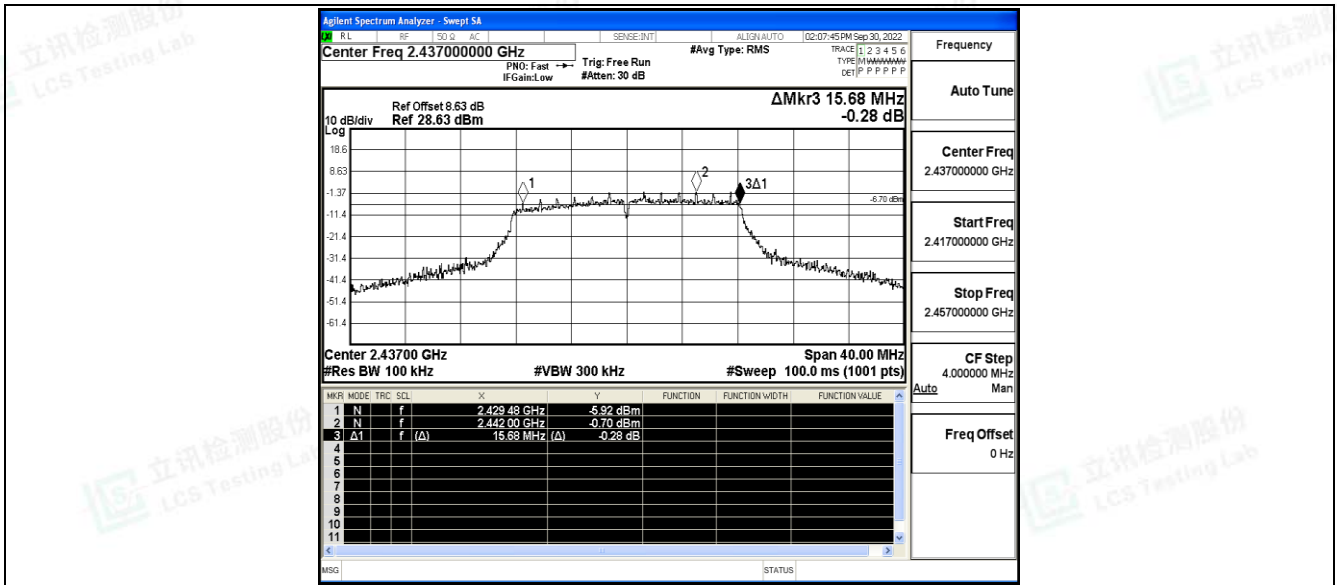


11G\_Ant\_2412

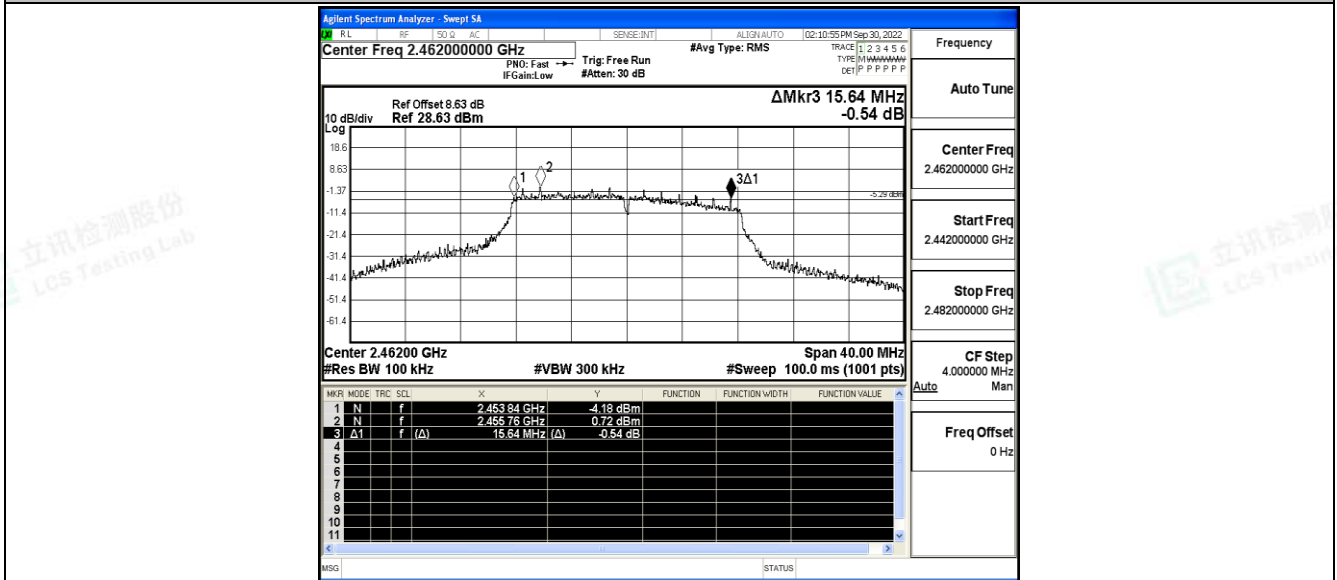


11G\_Ant\_2437



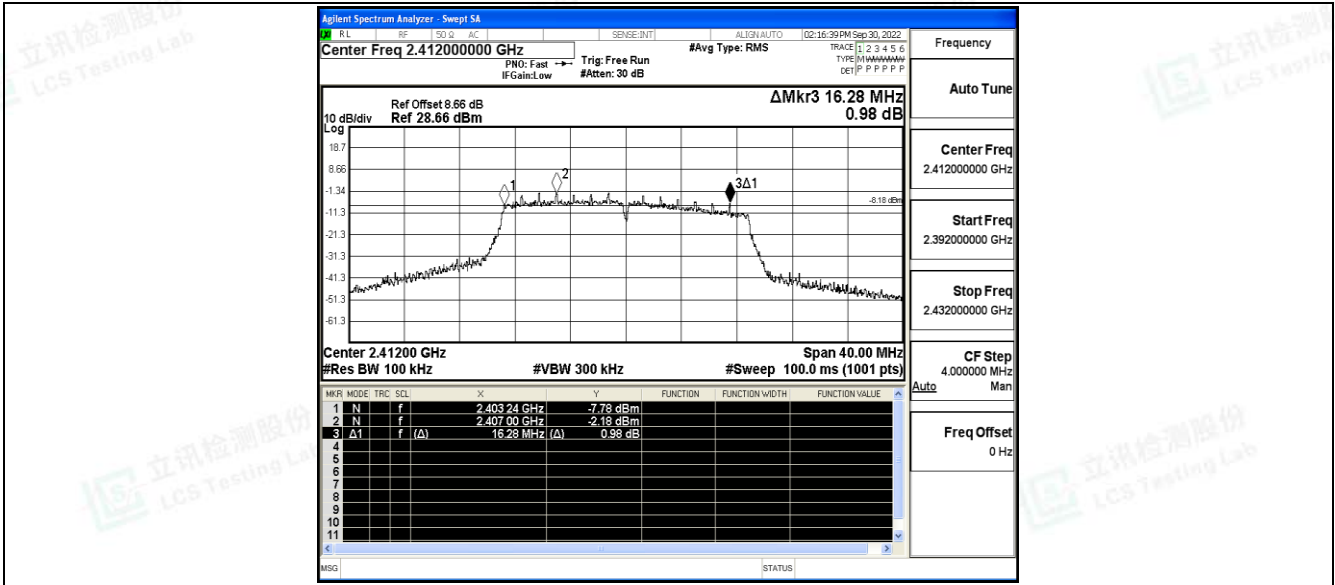


11G\_Ant\_2462

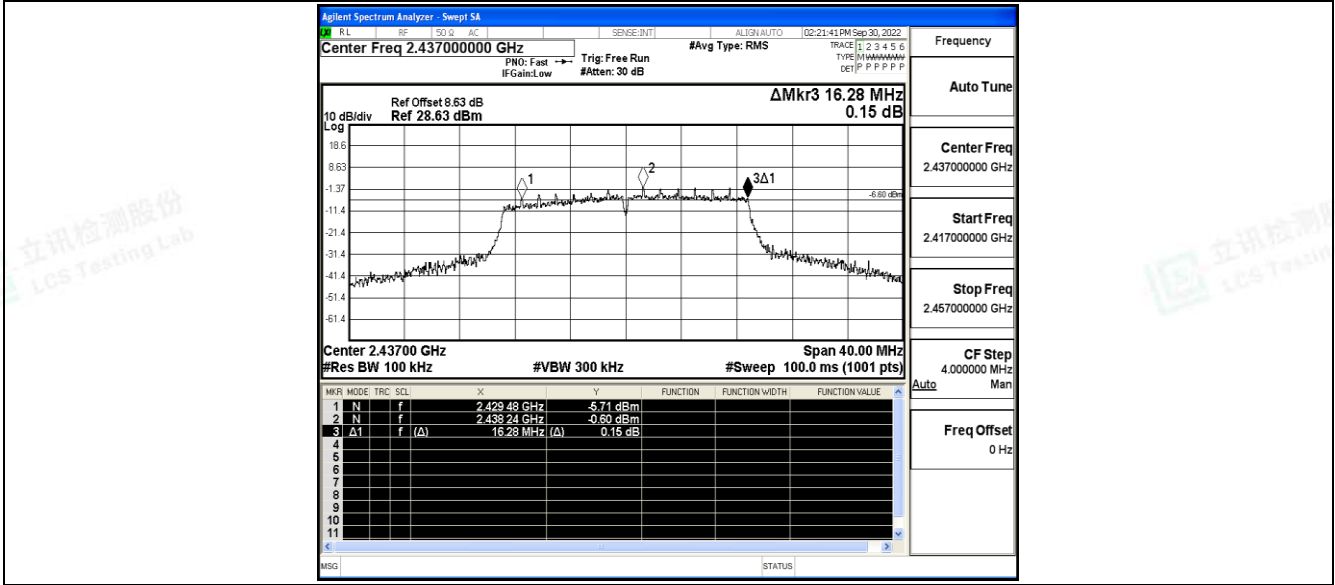


11N20SISO\_Ant\_2412



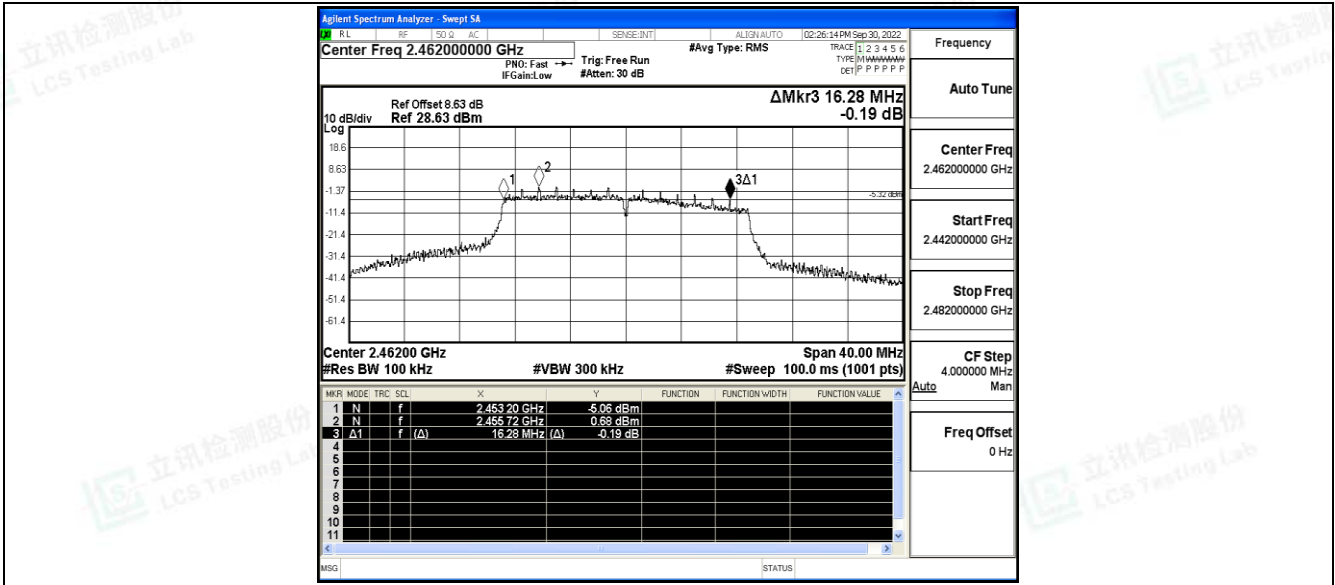


11N20SISO\_Ant\_2437

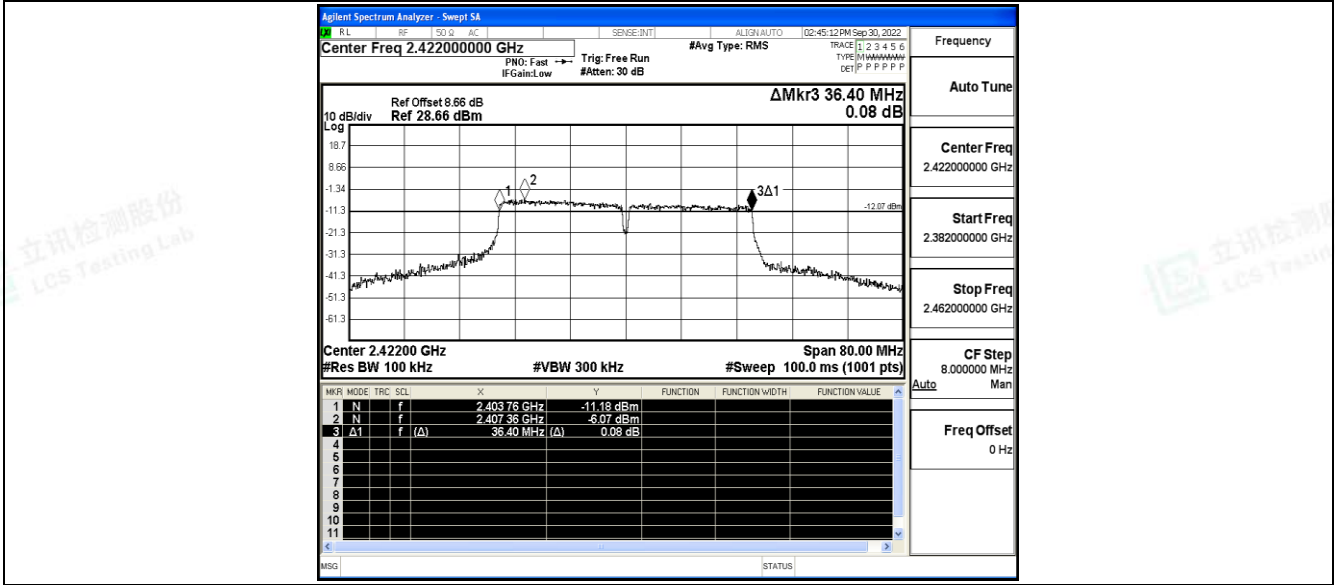


11N20SISO\_Ant\_2462



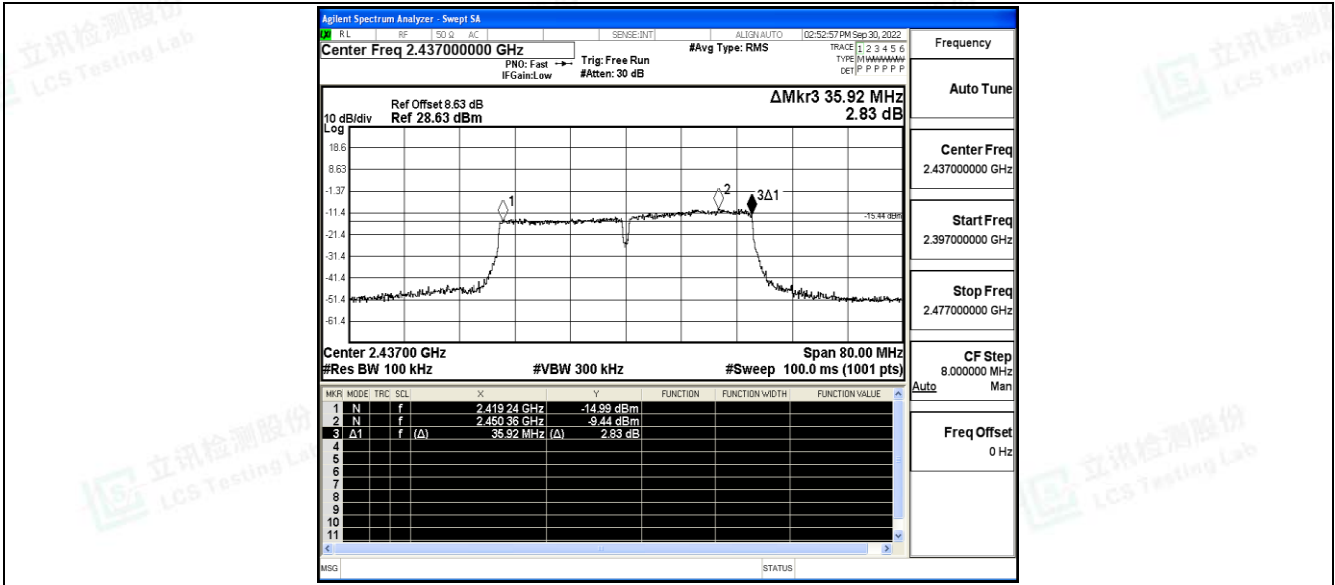


11N40SISO\_Ant\_2422

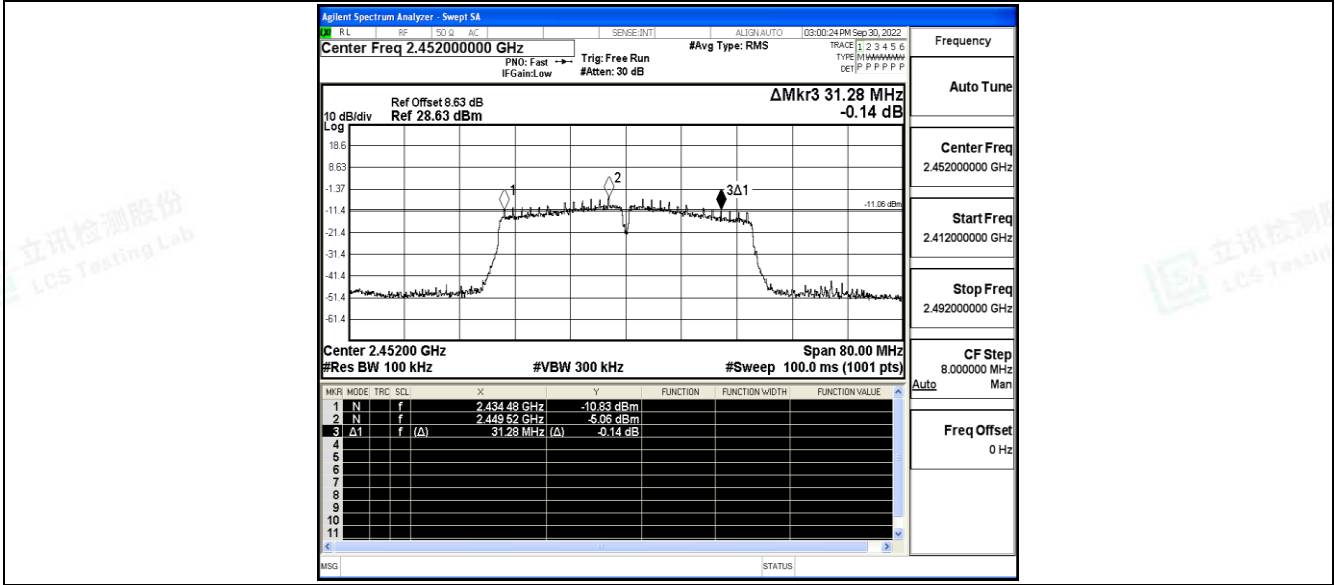


11N40SISO\_Ant\_2437





11N40SISO\_Ant\_2452







### C.2 Maximum conducted output power

#### Test Result

TestMode	Antenna	Freq(MHz)	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant	2412	15.99	≤30.00	PASS
		2437	15.20	≤30.00	PASS
		2462	16.23	≤30.00	PASS
11G	Ant	2412	16.15	≤30.00	PASS
		2437	17.88	≤30.00	PASS
		2462	17.70	≤30.00	PASS
11N20SISO	Ant	2412	16.21	≤30.00	PASS
		2437	17.85	≤30.00	PASS
		2462	16.80	≤30.00	PASS
11N40SISO	Ant	2422	16.08	≤30.00	PASS
		2437	14.05	≤30.00	PASS
		2452	15.11	≤30.00	PASS





### C.3 Maximum power spectral density

#### Test Result

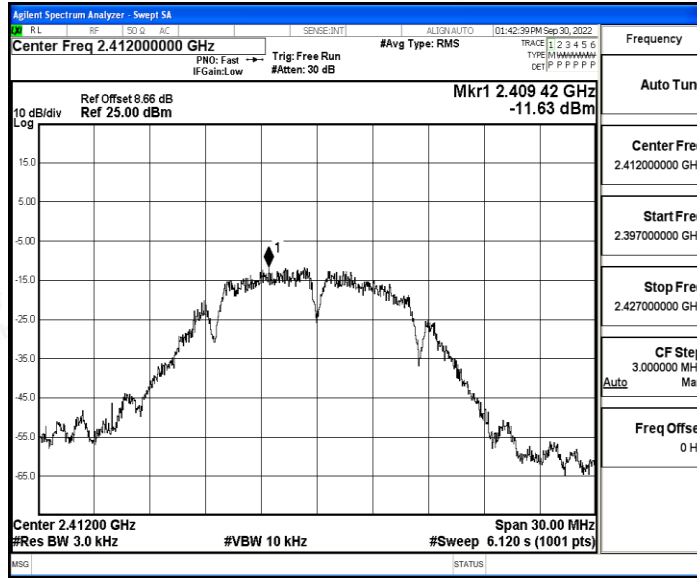
TestMode	Antenna	Freq(MHz)	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant	2412	-11.63	≤8.00	PASS
		2437	-11.09	≤8.00	PASS
		2462	-8.99	≤8.00	PASS
11G	Ant	2412	-17.24	≤8.00	PASS
		2437	-15.91	≤8.00	PASS
		2462	-15.08	≤8.00	PASS
11N20SISO	Ant	2412	-17.68	≤8.00	PASS
		2437	-15.48	≤8.00	PASS
		2462	-14.86	≤8.00	PASS
11N40SISO	Ant	2422	-20.5	≤8.00	PASS
		2437	-22.87	≤8.00	PASS
		2452	-19.51	≤8.00	PASS



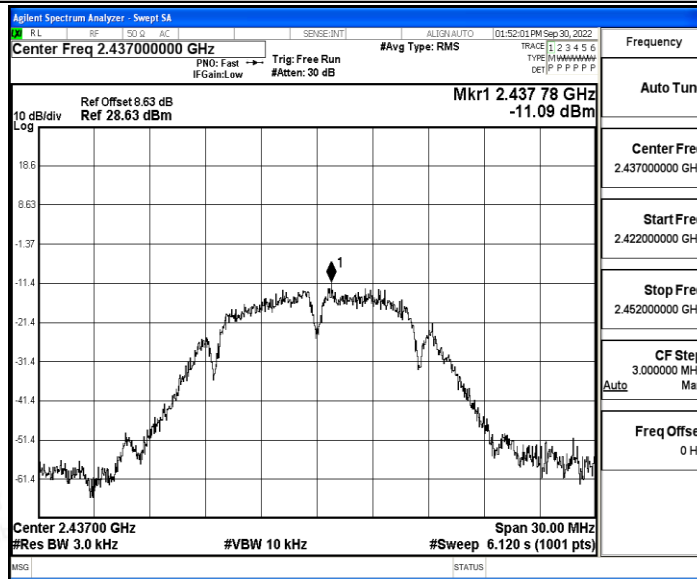


### Test Graphs

11B\_Ant\_2412



11B\_Ant\_2437

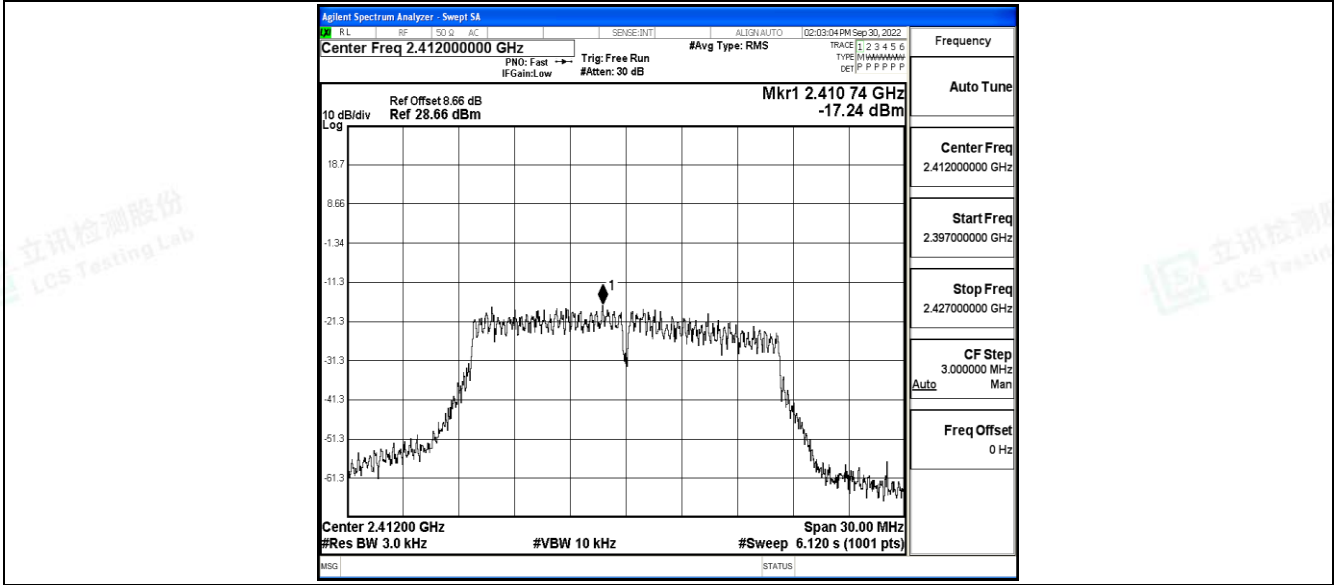


11B\_Ant\_2462



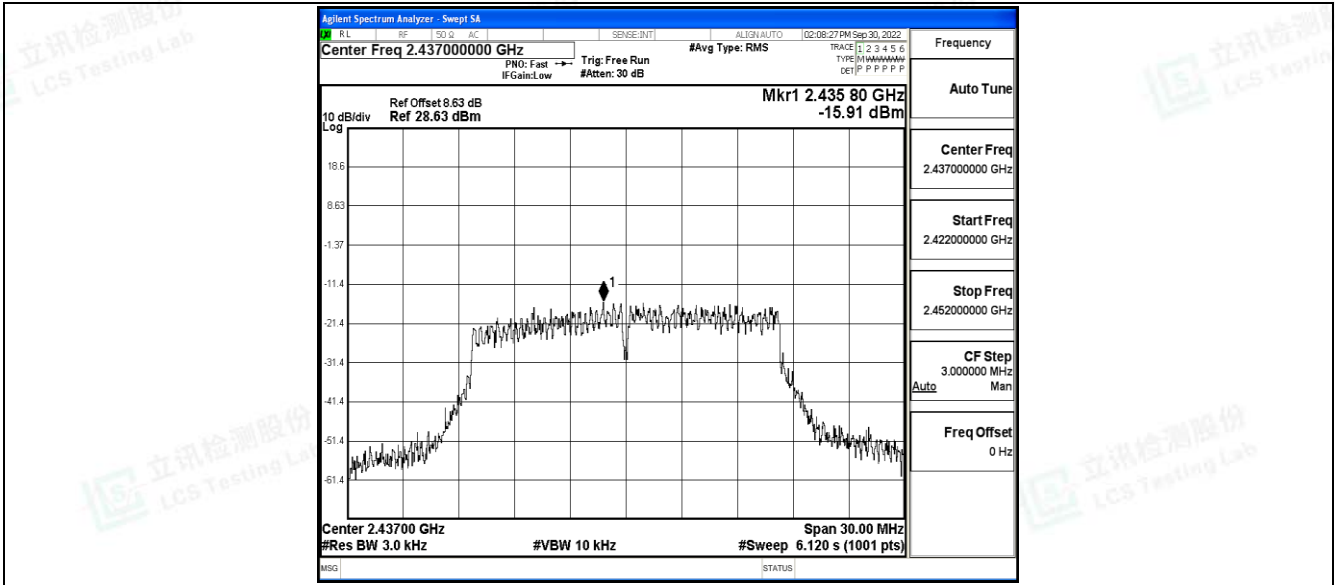


11G\_Ant\_2412

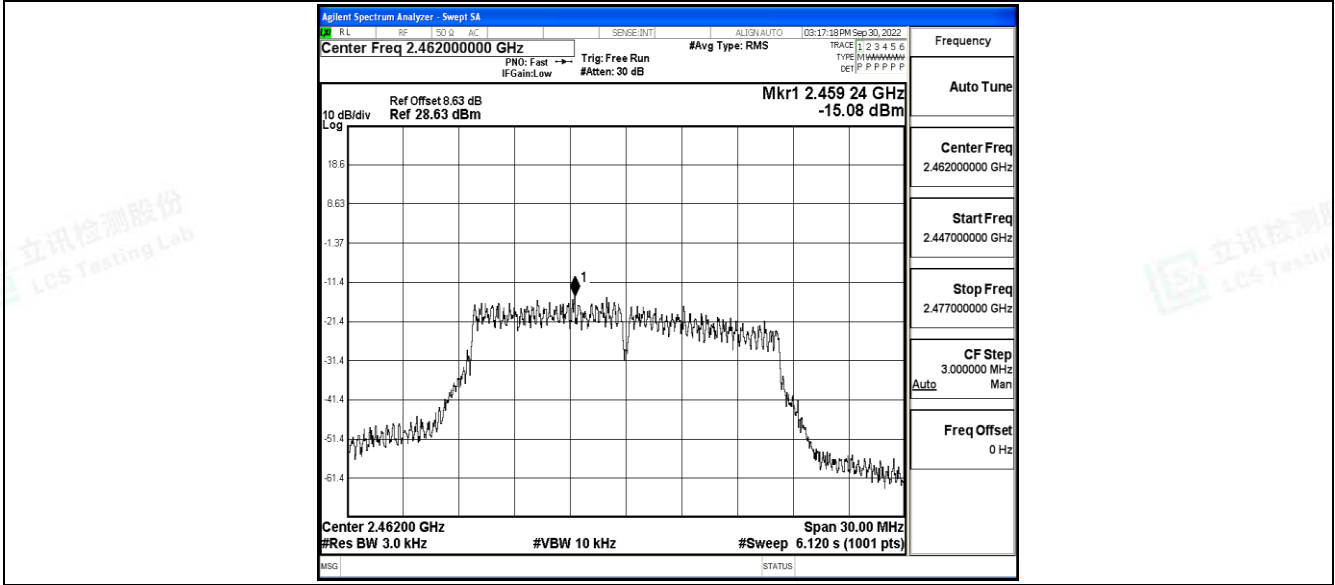


11G\_Ant\_2437



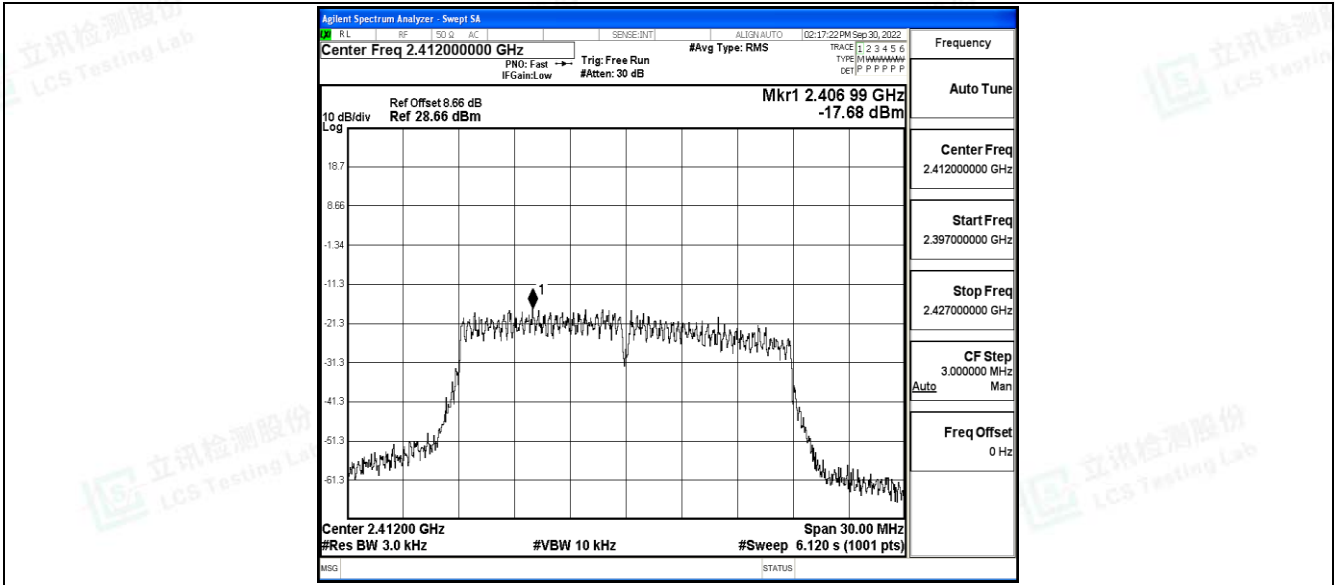


11G\_Ant\_2462

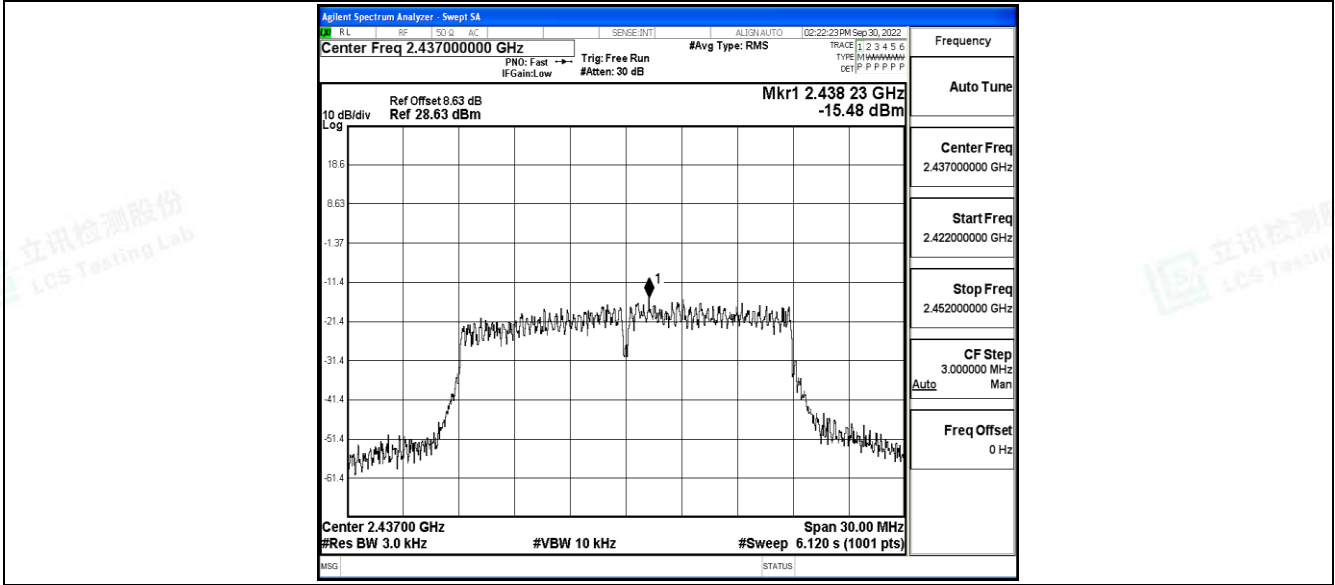


11N20SISO\_Ant\_2412



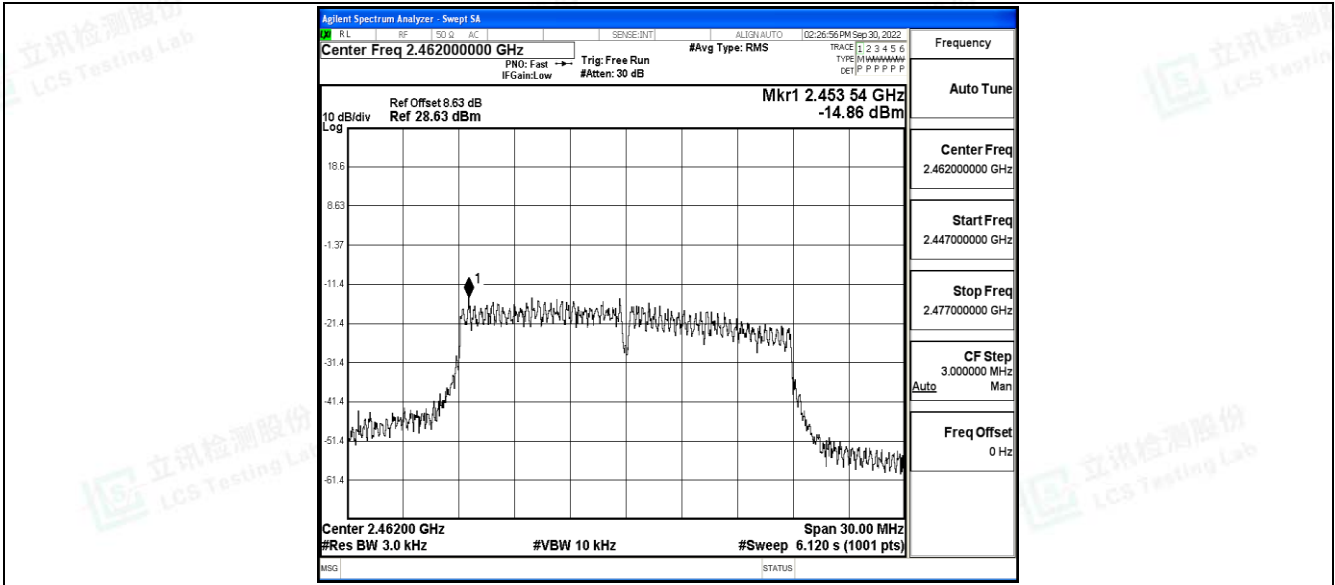


11N20SISO\_Ant\_2437

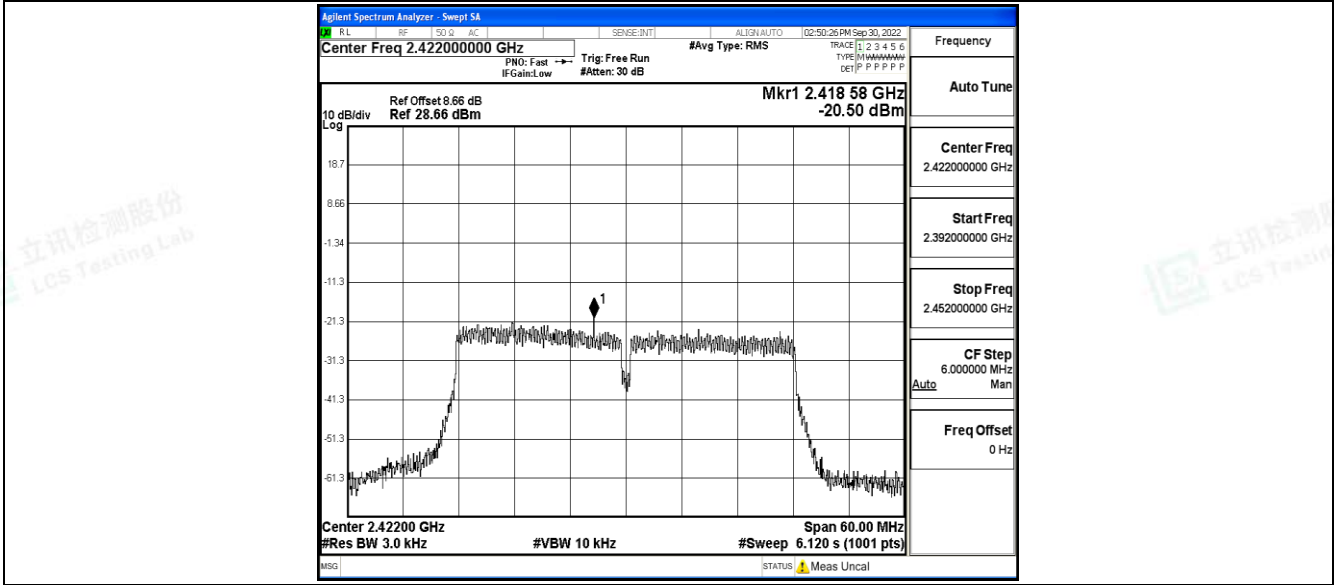


11N20SISO\_Ant\_2462



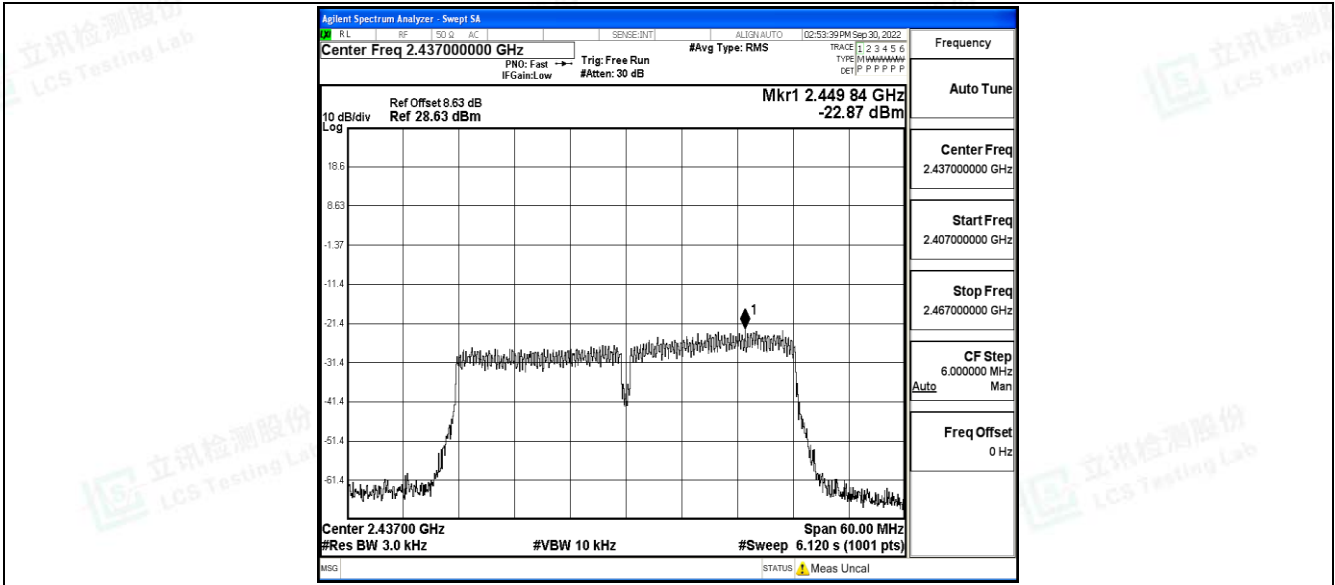


11N40SISO\_Ant\_2422

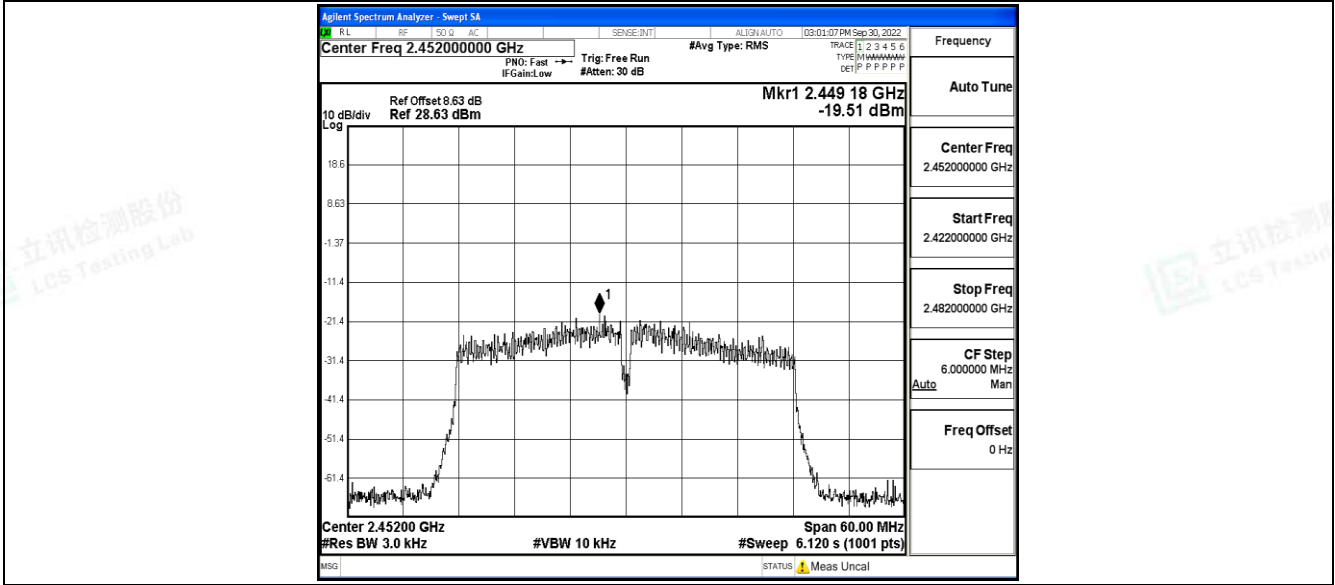


11N40SISO\_Ant\_2437





11N40SISO\_Ant\_2452







## C.4 Band edge measurements

### Test Result

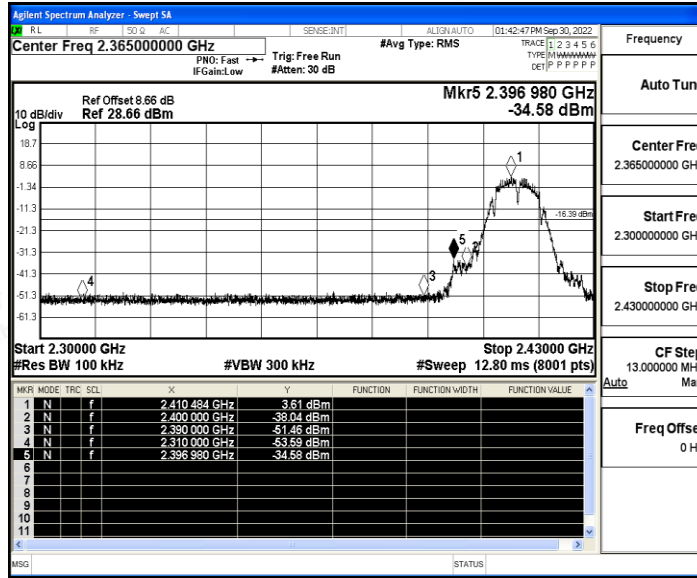
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant	Low	2412	3.61	-34.58	≤-16.39	PASS
		High	2462	3.50	-48.54	≤-16.5	PASS
11G	Ant	Low	2412	-3.37	-35.3	≤-23.37	PASS
		High	2462	0.83	-46.54	≤-19.17	PASS
11N20SISO	Ant	Low	2412	-2.12	-34.8	≤-22.12	PASS
		High	2462	0.19	-44.32	≤-19.81	PASS
11N40SISO	Ant	Low	2422	-5.83	-32.03	≤-25.83	PASS
		High	2452	-4.96	-46.93	≤-24.96	PASS



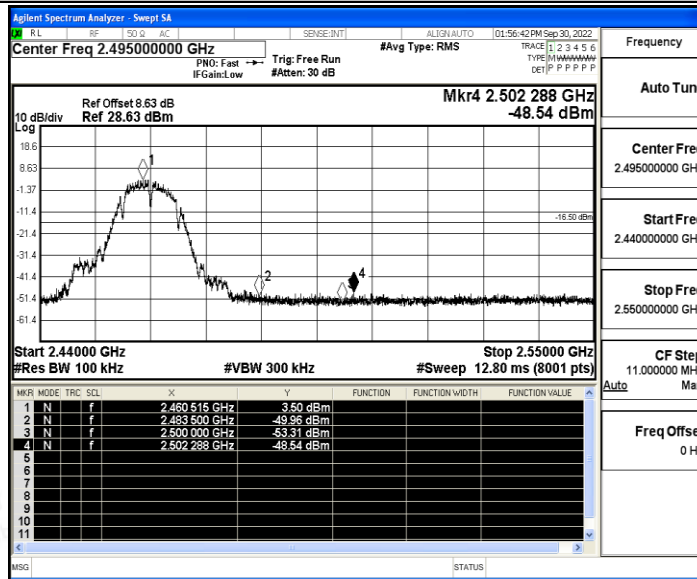


### Test Graphs

11B\_Ant\_Low\_2412

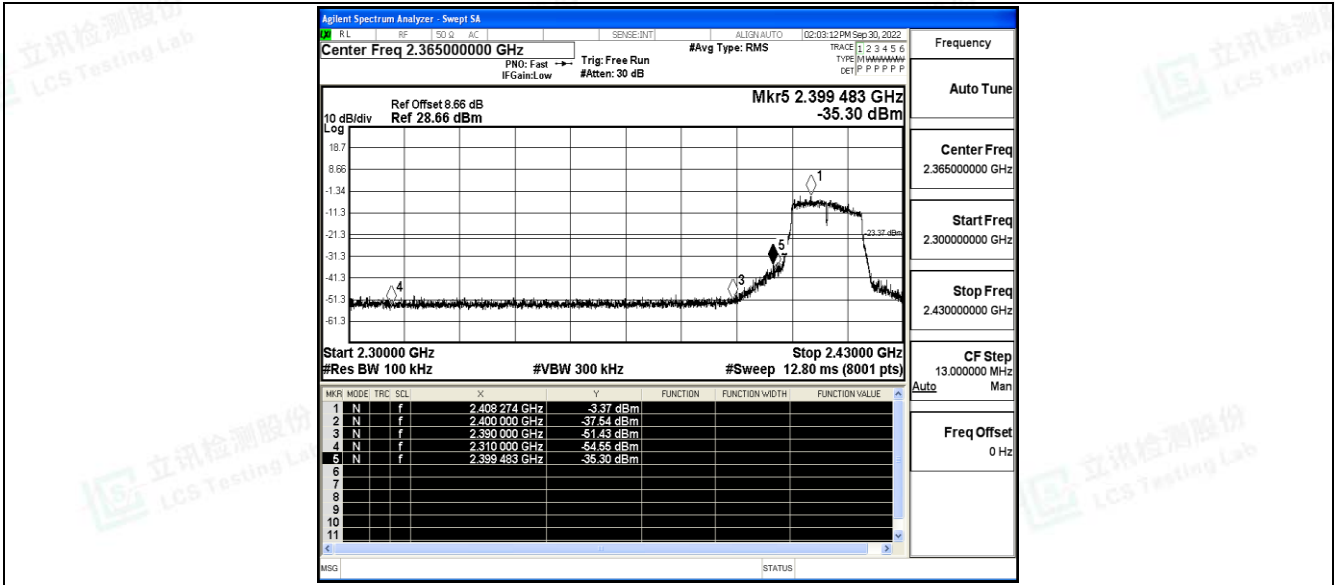


11B\_Ant\_High\_2462

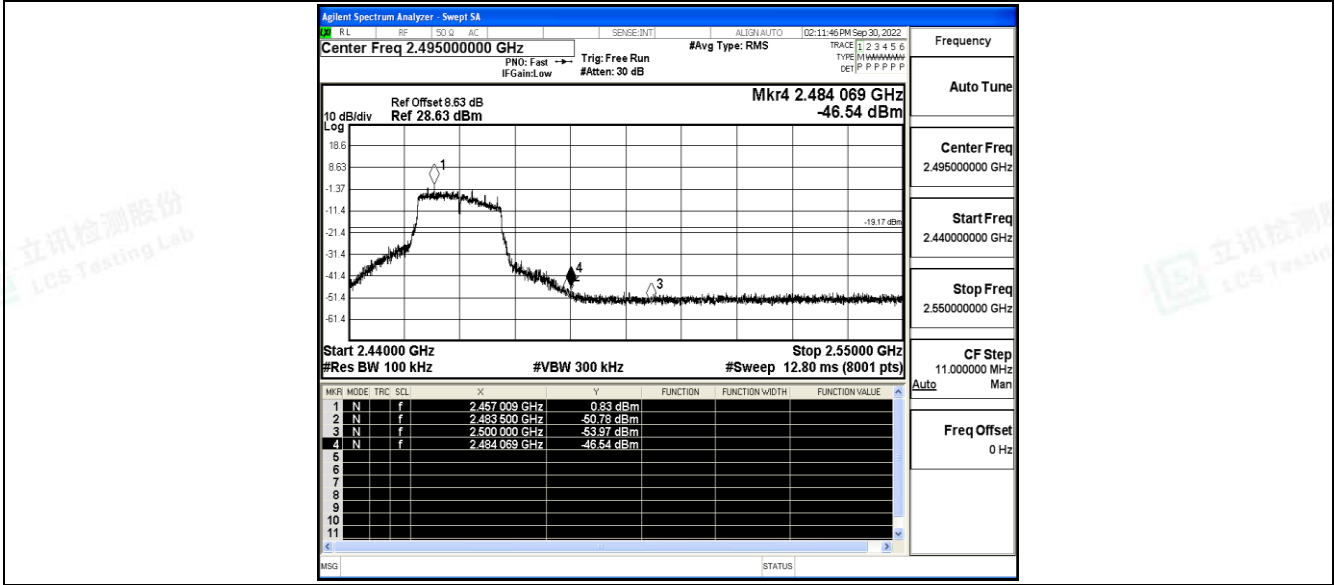


11G\_Ant\_Low\_2412



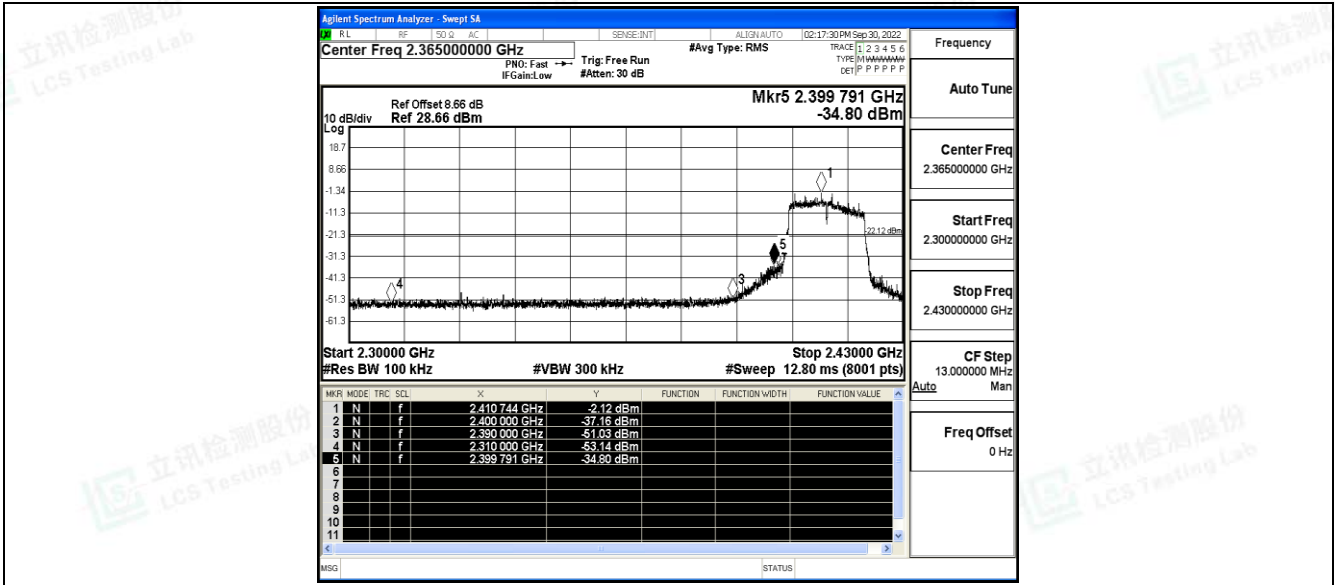


11G\_Ant\_High\_2462

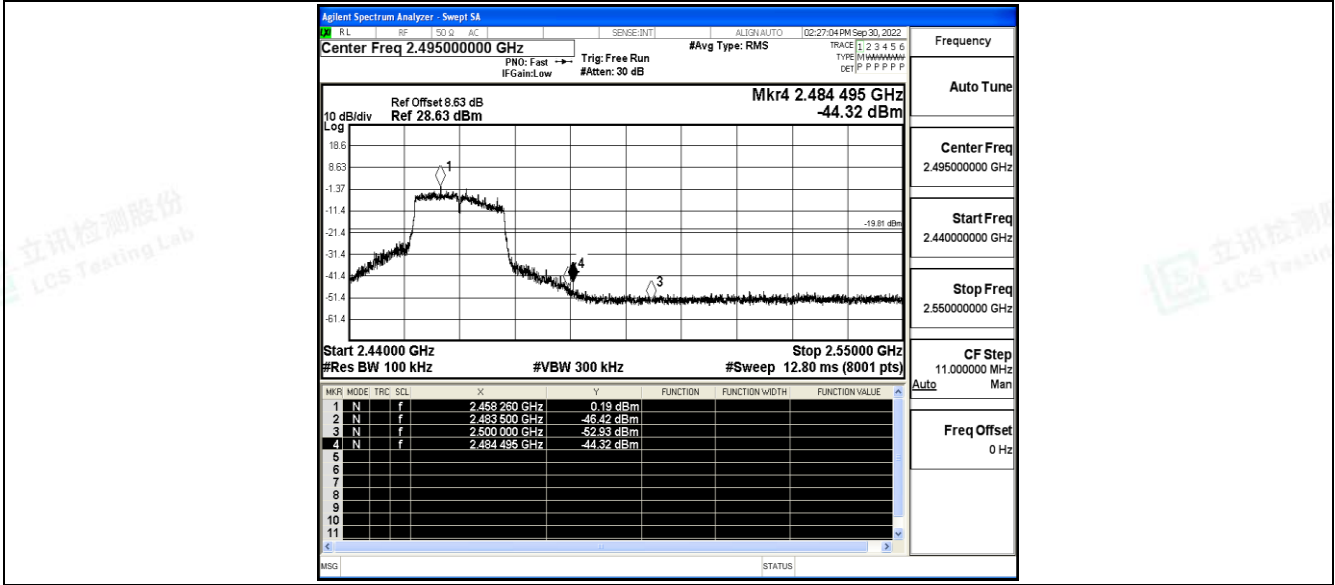


11N20SISO\_Ant\_Low\_2412



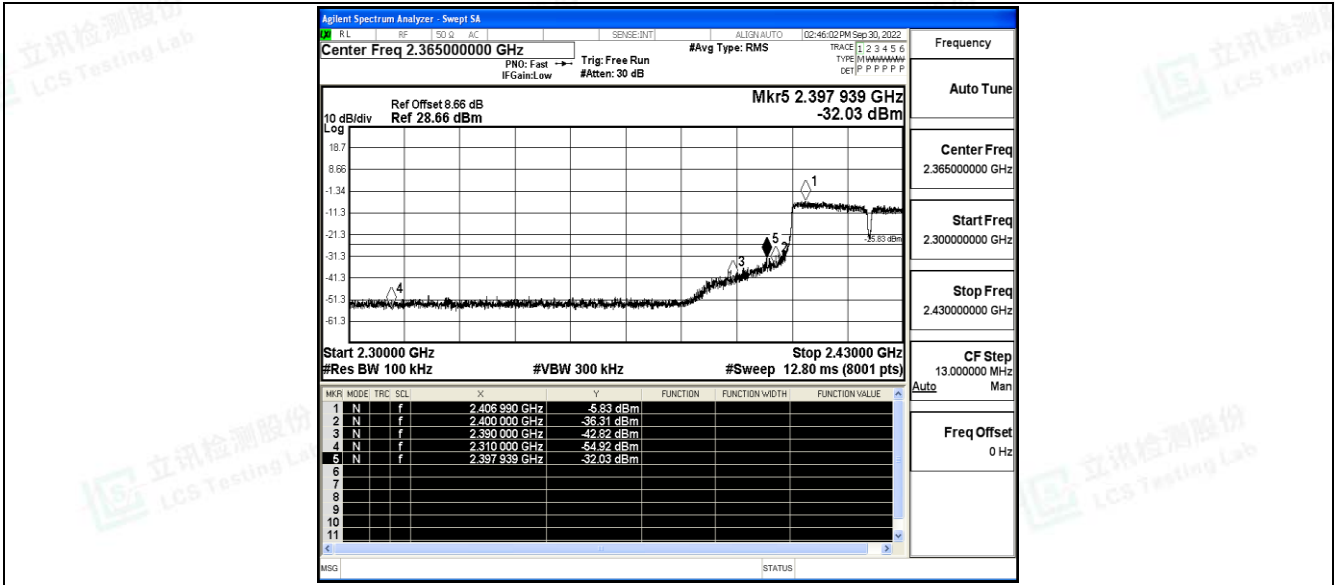


11N20SISO\_Ant\_High\_2462

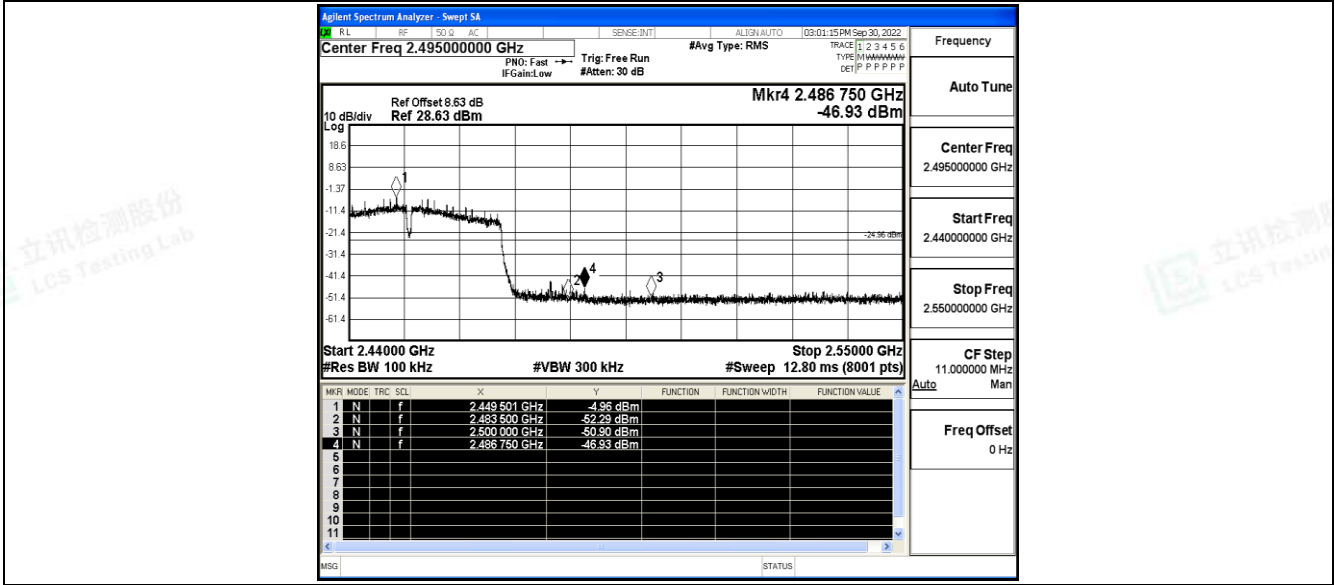


11N40SISO\_Ant\_Low\_2422





11N40SISO\_Ant\_High\_2452





### C.5 Conducted Spurious Emission

#### Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant	2412	Reference	2.21	2.21	---	PASS
			30~1000	2.21	-54.13	≤-17.79	PASS
			1000~26500	2.21	-22.8	≤-17.79	PASS
		2437	Reference	2.84	2.84	---	PASS
			30~1000	2.84	-56.13	≤-17.16	PASS
			1000~26500	2.84	-19.95	≤-17.16	PASS
		2462	Reference	2.76	2.76	---	PASS
			30~1000	2.76	-52.56	≤-17.24	PASS
			1000~26500	2.76	-24.06	≤-17.24	PASS
11G	Ant	2412	Reference	-2.78	-2.78	---	PASS
			30~1000	-2.78	-56.41	≤-22.78	PASS
			1000~26500	-2.78	-41.07	≤-22.78	PASS
		2437	Reference	-4.48	-4.48	---	PASS
			30~1000	-4.48	-37.57	≤-24.48	PASS
			1000~26500	-4.48	-34.08	≤-24.48	PASS
		2462	Reference	0.62	0.62	---	PASS
			30~1000	0.62	-53.73	≤-19.38	PASS
			1000~26500	0.62	-36.96	≤-19.38	PASS
11N20SISO	Ant	2412	Reference	-3.88	-3.88	---	PASS
			30~1000	-3.88	-53.31	≤-23.88	PASS
			1000~26500	-3.88	-40.07	≤-23.88	PASS
		2437	Reference	-3.71	-3.71	---	PASS
			30~1000	-3.71	-53.52	≤-23.71	PASS
			1000~26500	-3.71	-34.57	≤-23.71	PASS
		2462	Reference	0.84	0.84	---	PASS
			30~1000	0.84	-53.64	≤-19.16	PASS
			1000~26500	0.84	-38.08	≤-19.16	PASS
11N40SISO	Ant	2422	Reference	-6.22	-6.22	---	PASS
			30~1000	-6.22	-43.05	≤-26.22	PASS
			1000~26500	-6.22	-38.32	≤-26.22	PASS
		2437	Reference	-9.85	-9.85	---	PASS
			30~1000	-9.85	-30.61	≤-29.85	PASS
			1000~26500	-9.85	-45.97	≤-29.85	PASS
		2452	Reference	-7.43	-7.43	---	PASS
			30~1000	-7.43	-41.72	≤-27.43	PASS





			1000~26500	-7.43	-46.12	≤-27.43	PASS
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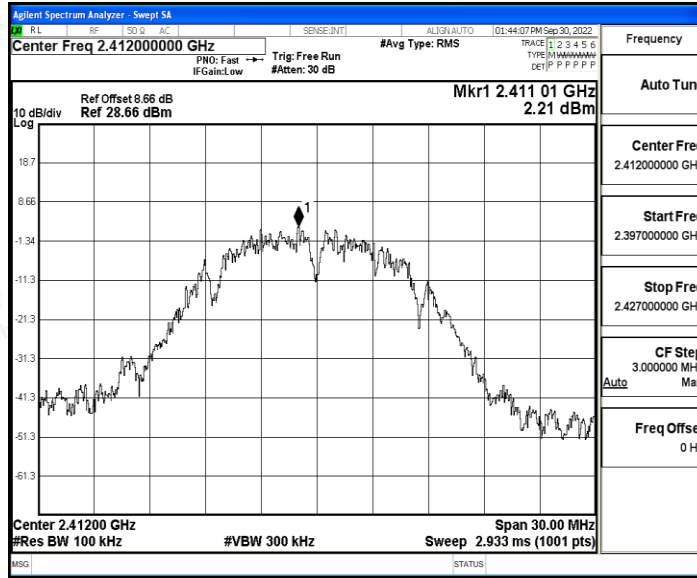


Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity

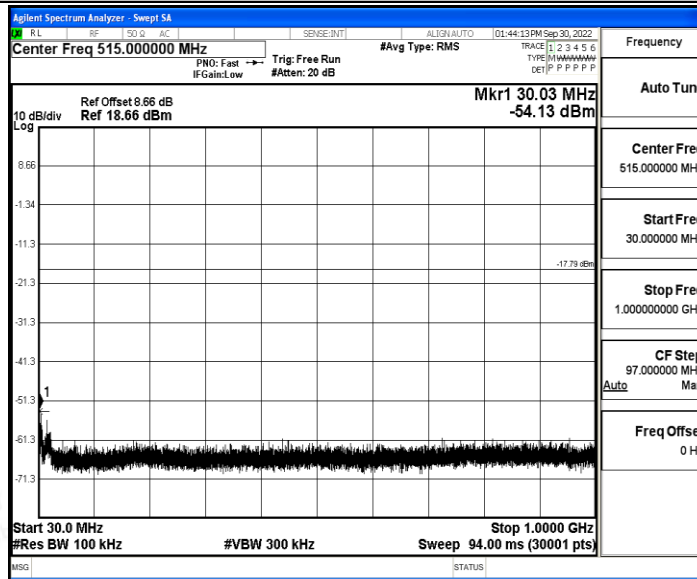


### Test Graphs

11B\_Ant\_2412\_0~Reference



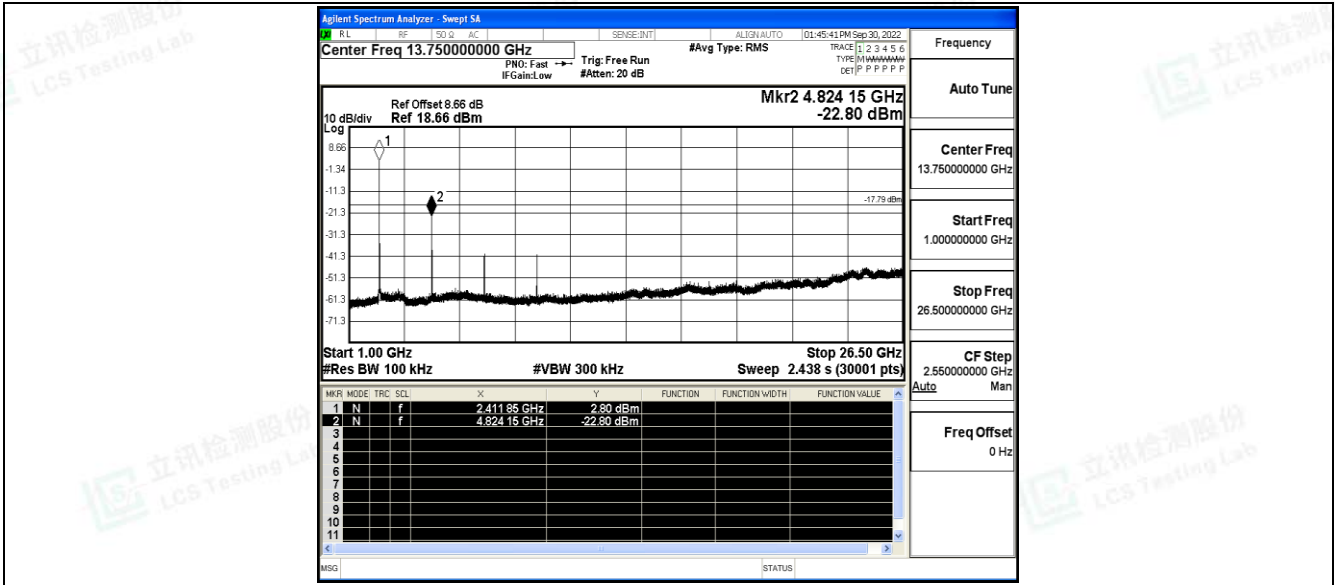
11B\_Ant\_2412\_30~1000



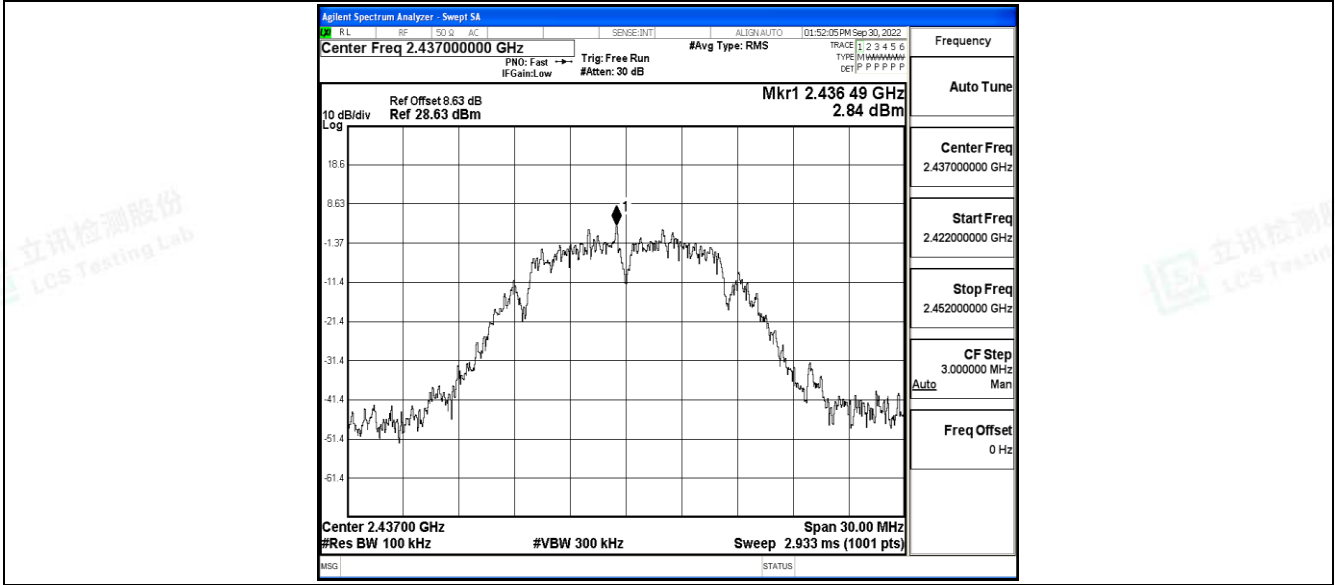
11B\_Ant\_2412\_1000~26500





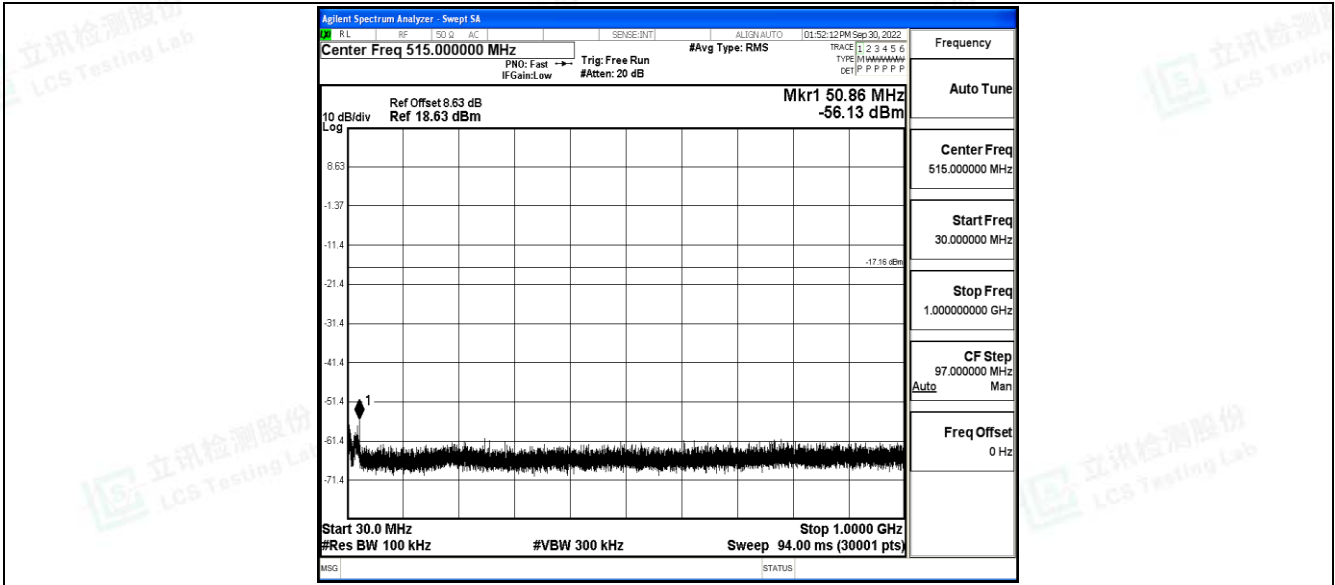


11B\_Ant\_2437\_0~Reference

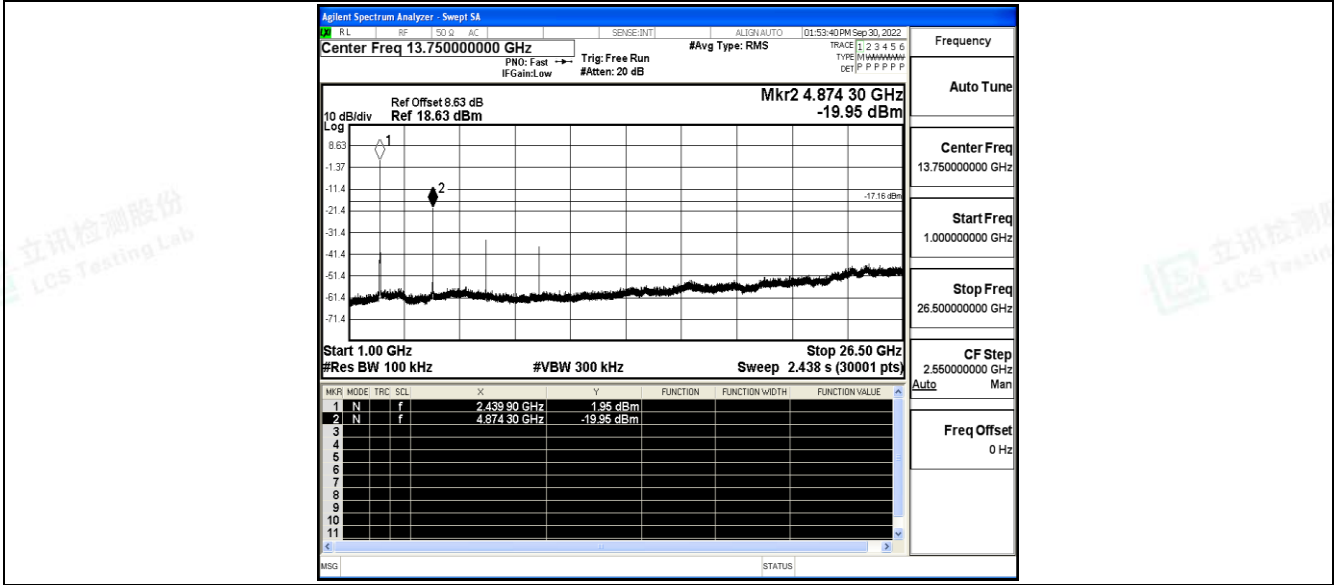


11B\_Ant\_2437\_30~1000



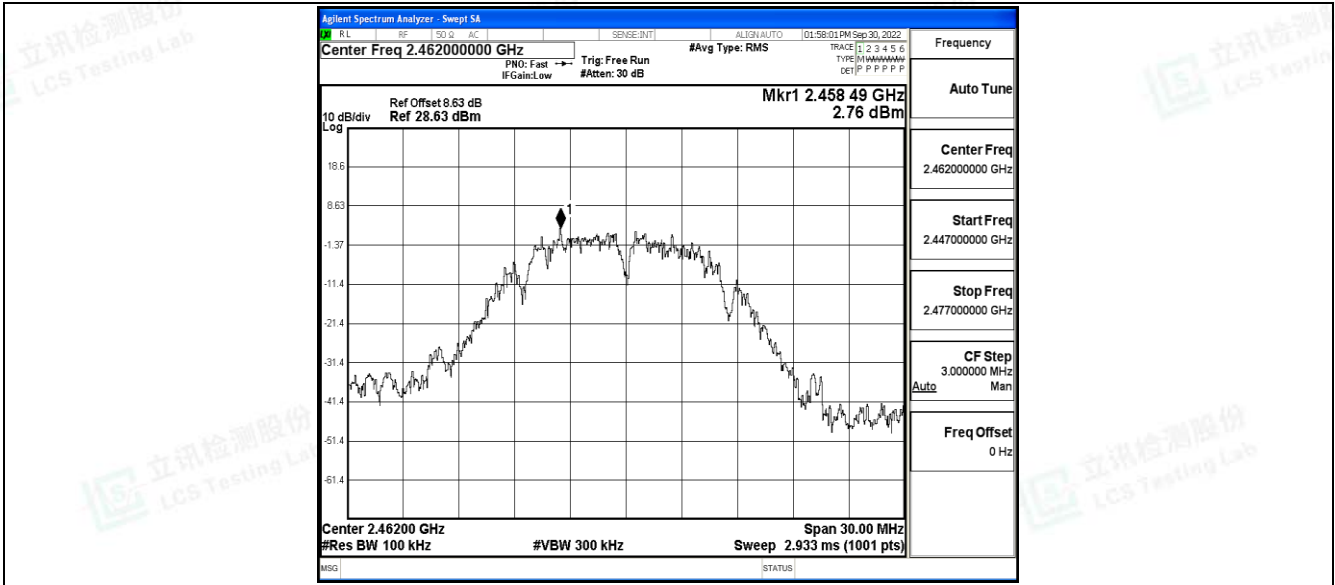


11B\_Ant\_2437\_1000-26500

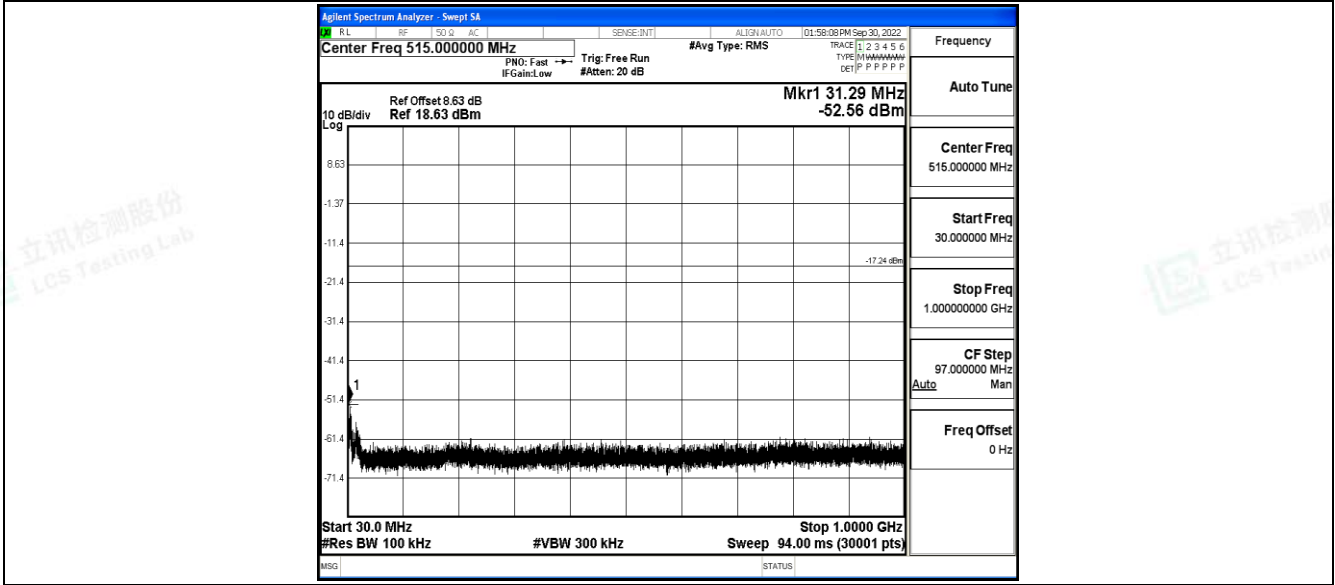


11B\_Ant\_2462\_0-Reference



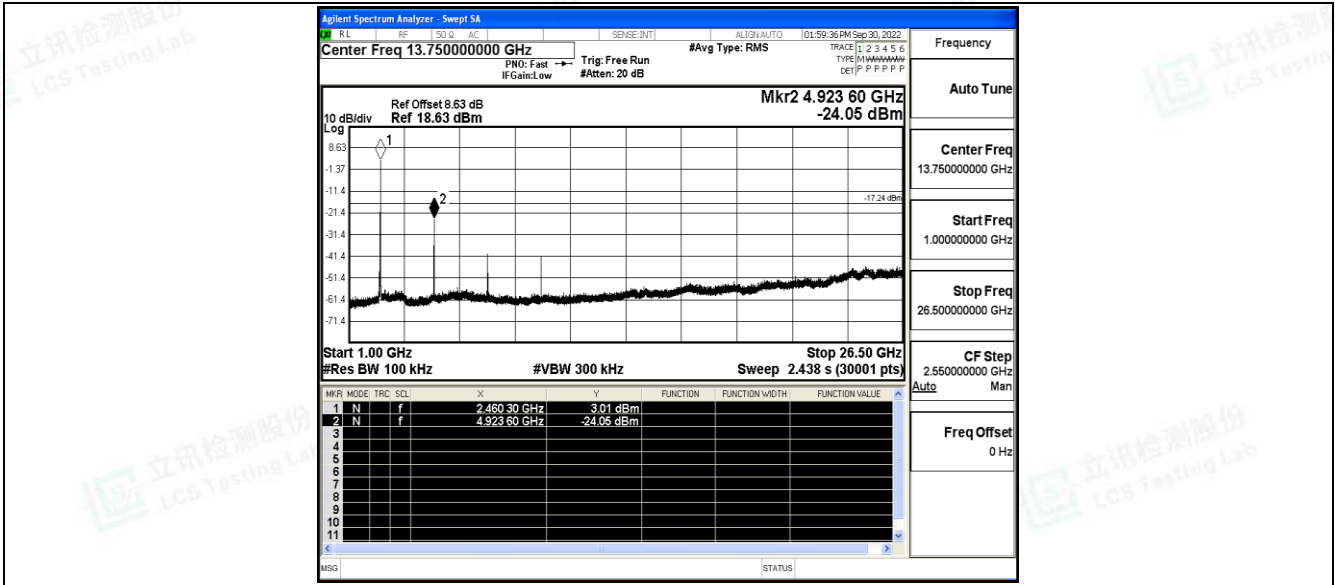


11B\_Ant\_2462\_30~100

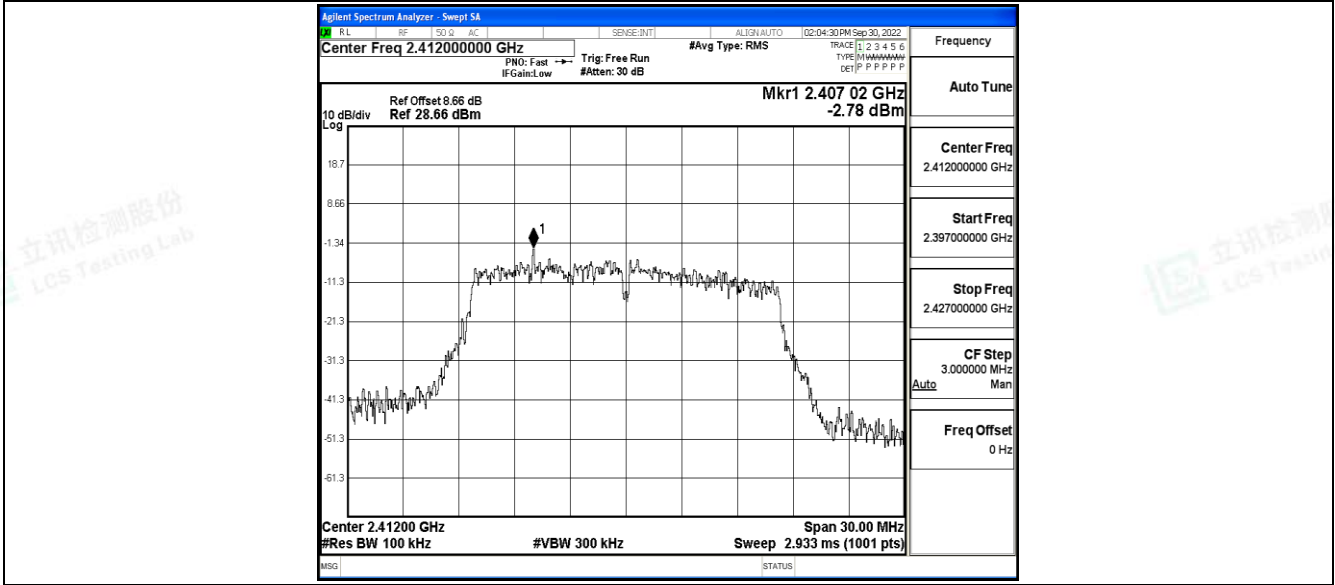


11B\_Ant\_2462\_1000~26500



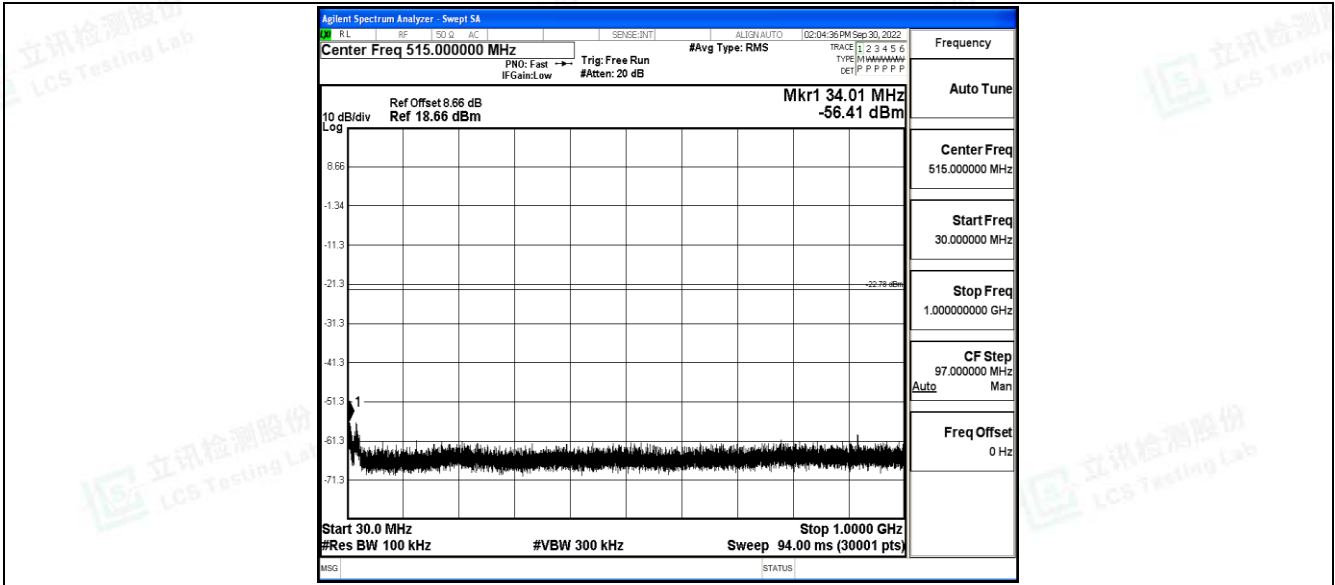


11G\_Ant\_2412\_0~Reference

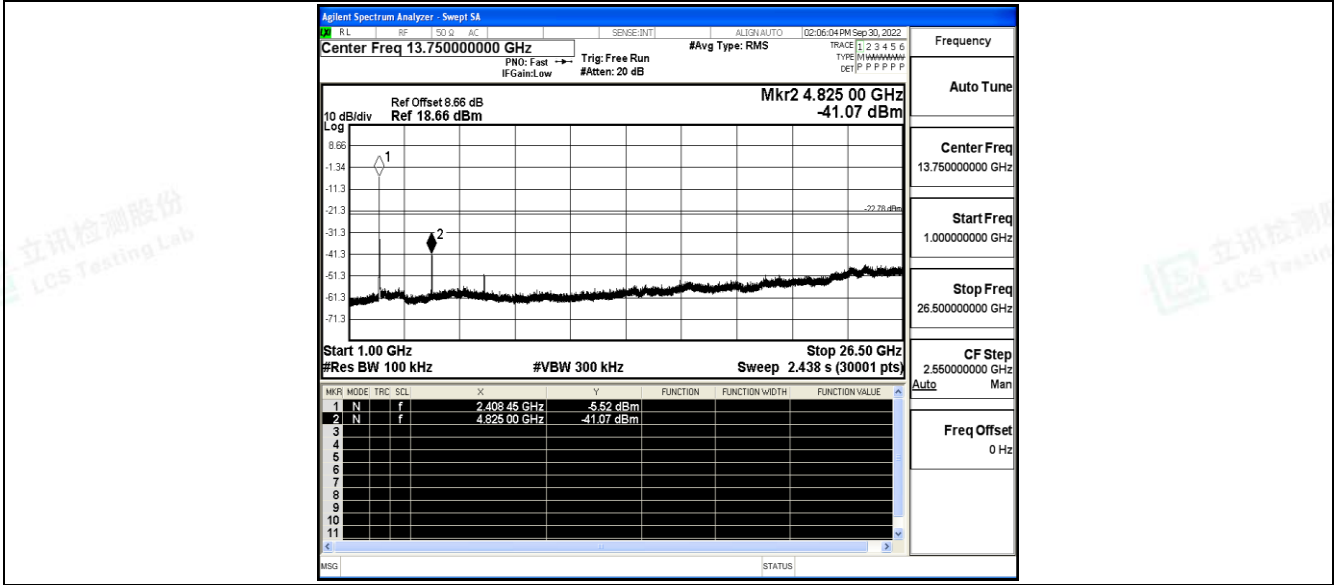


11G\_Ant\_2412\_30~1000



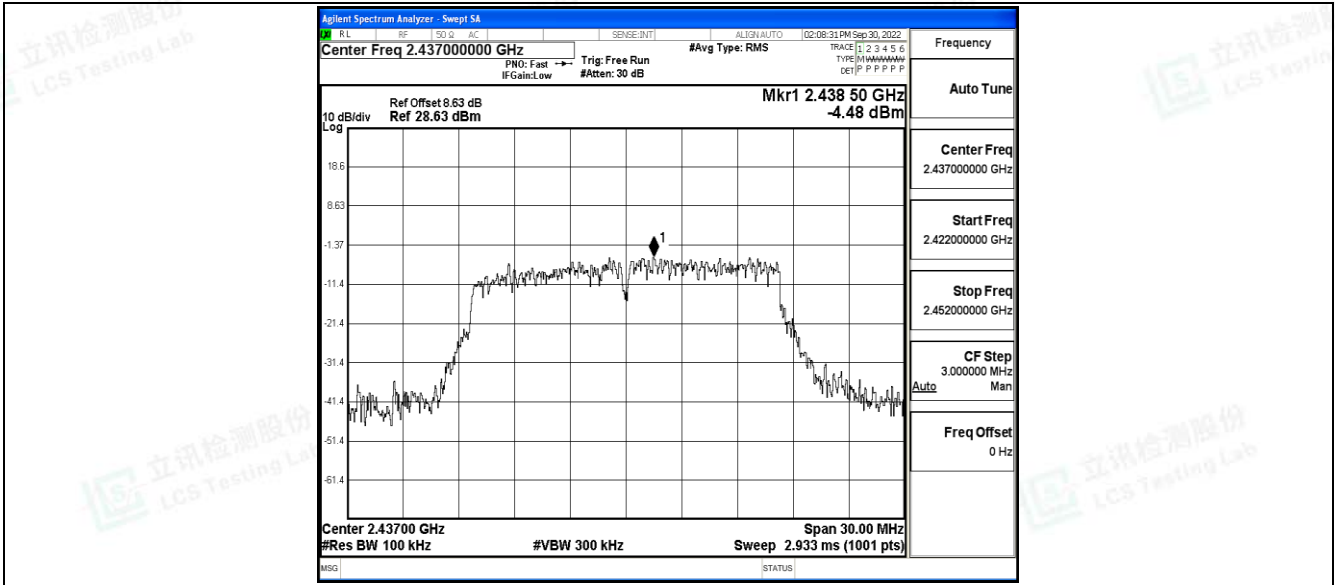


11G\_Ant\_2412\_1000~26500

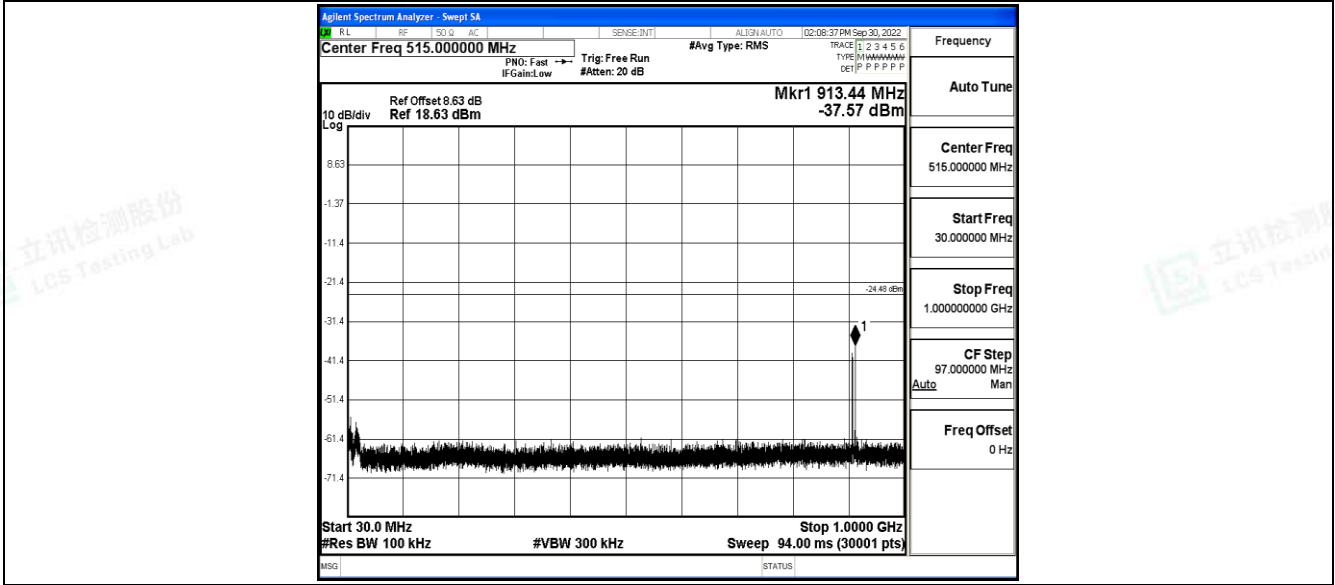


11G\_Ant\_2437\_0~Reference





11G\_Ant\_2437\_30~1000



11G\_Ant\_2437\_1000~26500

