



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Single Hearing PSA

Test Model: PSA5035

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Ling Zhu





A.1 20dB Emission Bandwidth

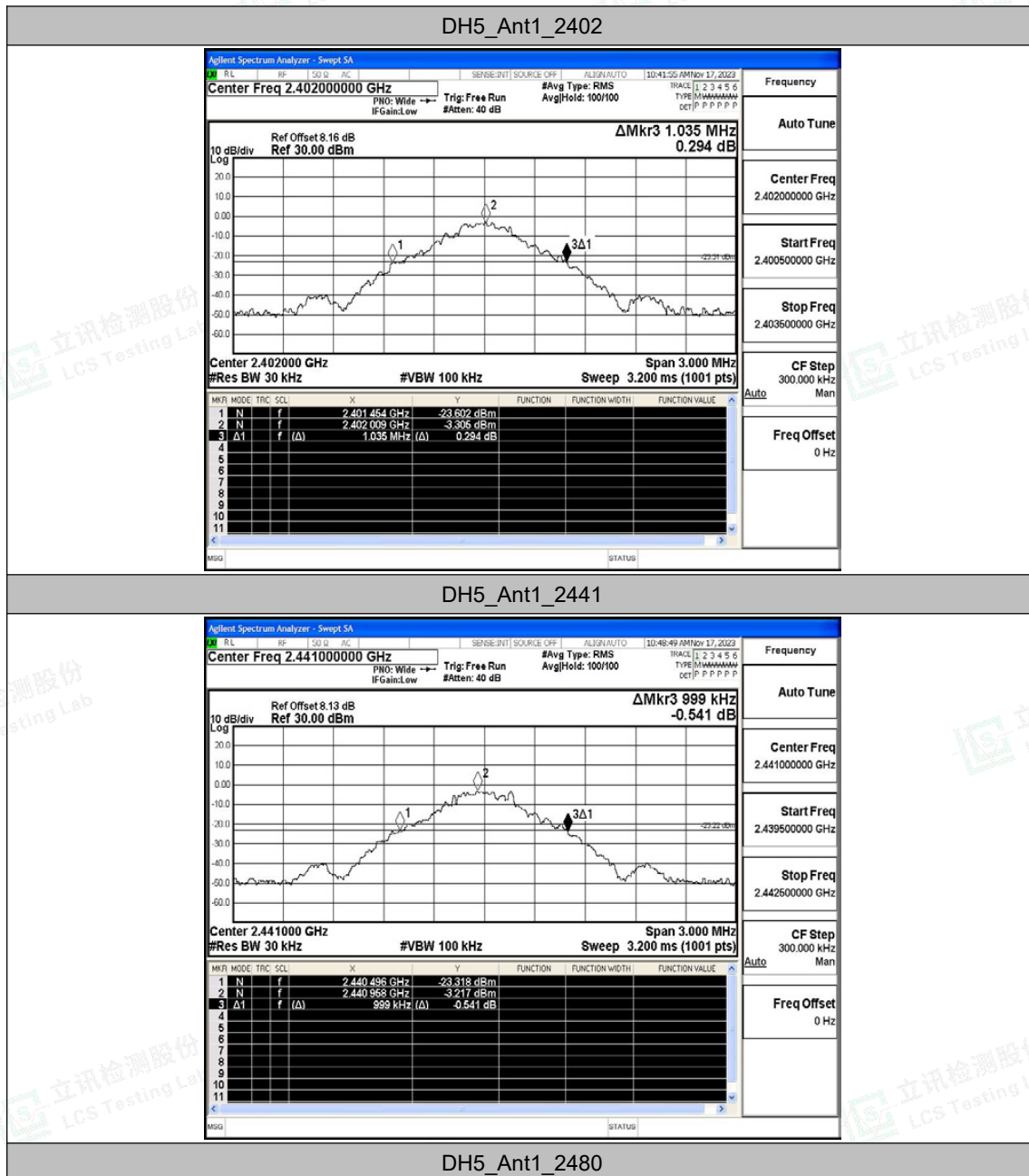
Test Result

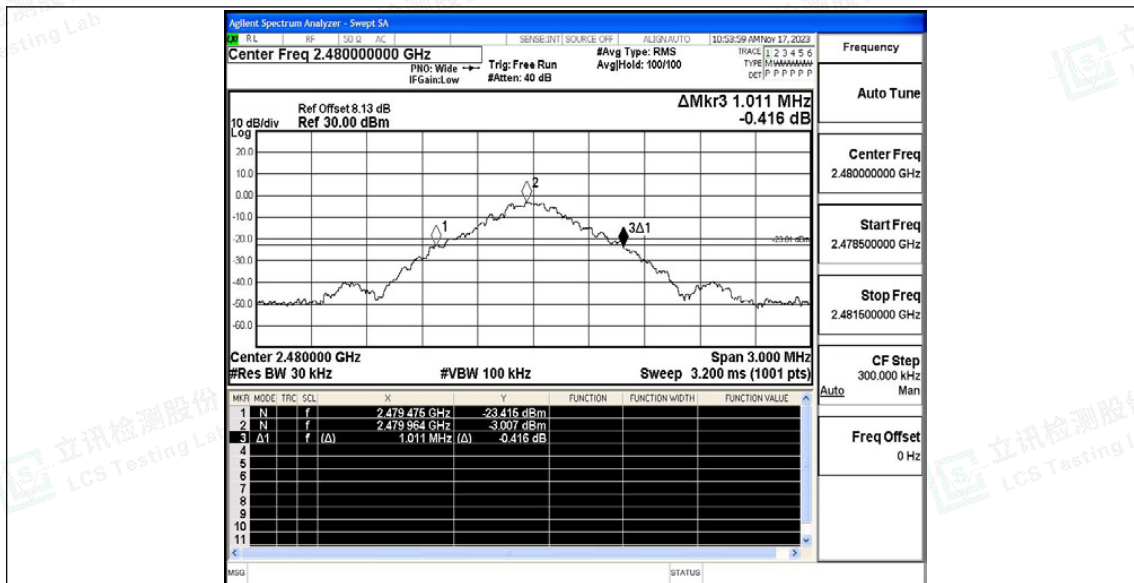
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	1.035	2401.454	2402.489	---
		2441	0.999	2440.496	2441.495	---
		2480	1.011	2479.475	2480.486	---
2DH5	Ant1	2402	1.314	2401.331	2402.645	---
		2441	1.302	2440.343	2441.645	---
		2480	1.290	2479.352	2480.642	---
3DH5	Ant1	2402	1.305	2401.340	2402.645	---
		2441	1.293	2440.343	2441.636	---
		2480	1.284	2479.346	2480.630	---



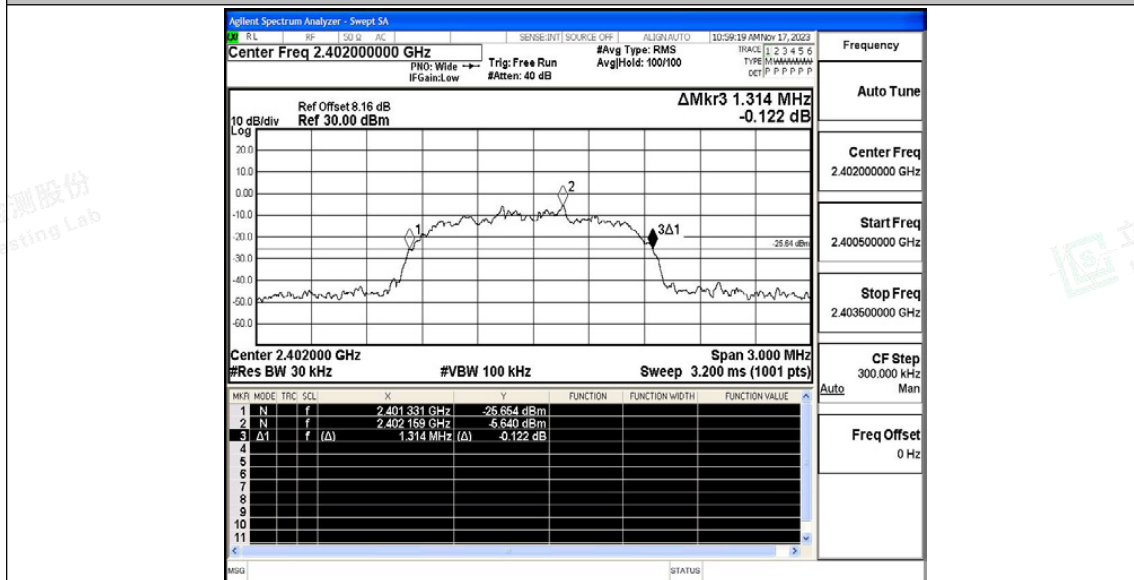


Test Graphs



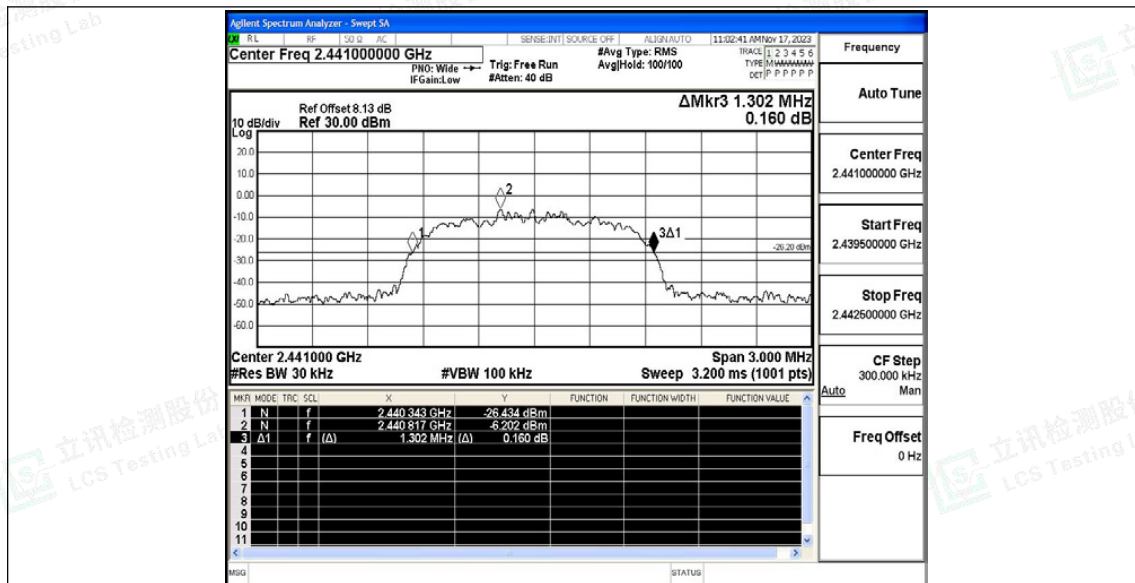


2DH5_Ant1_2402

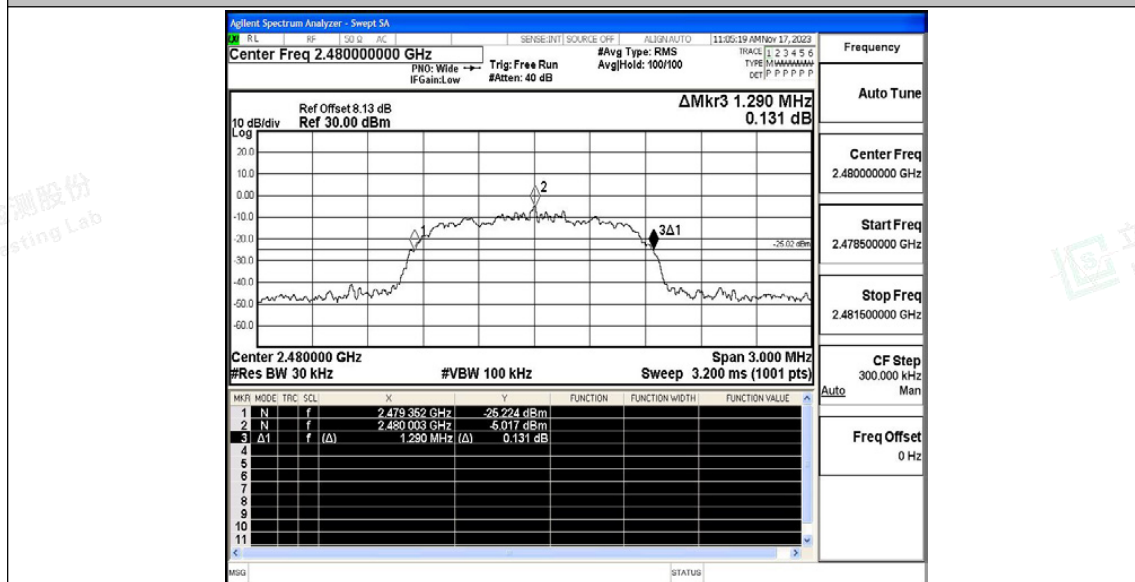


2DH5_Ant1_2441





2DH5_Ant1_2480



3DH5_Ant1_2402

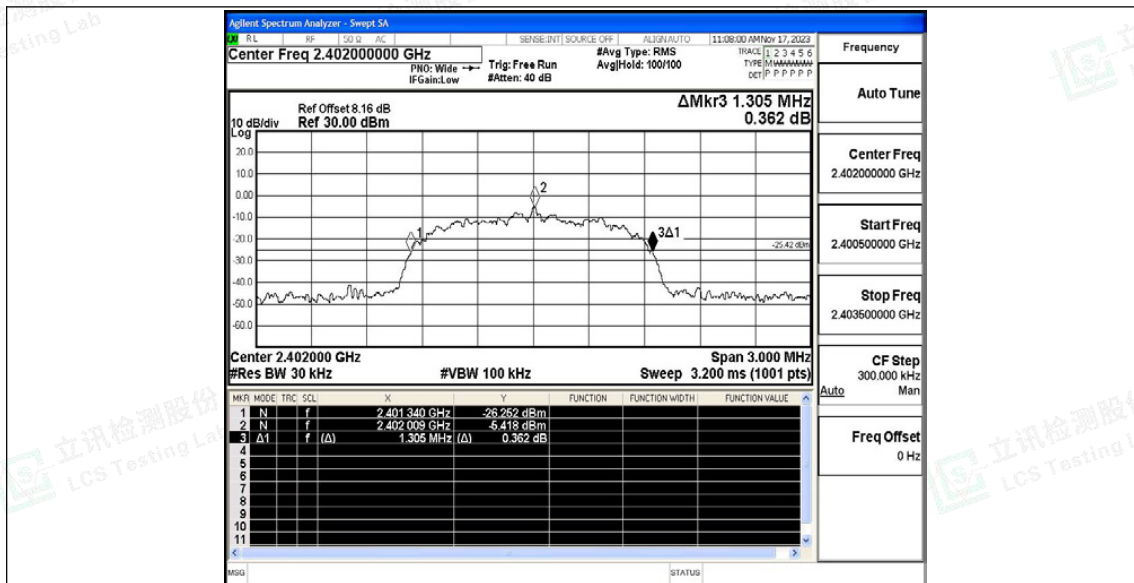


Shenzhen LCS Compliance Testing Laboratory Ltd.

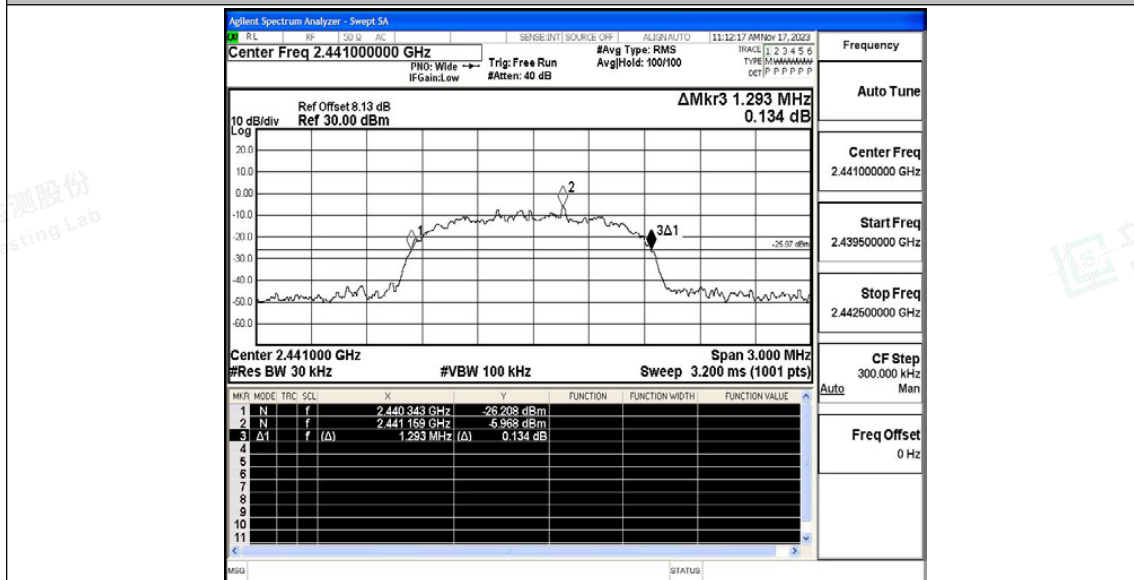
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



3DH5_Ant1_2441



3DH5_Ant1_2480

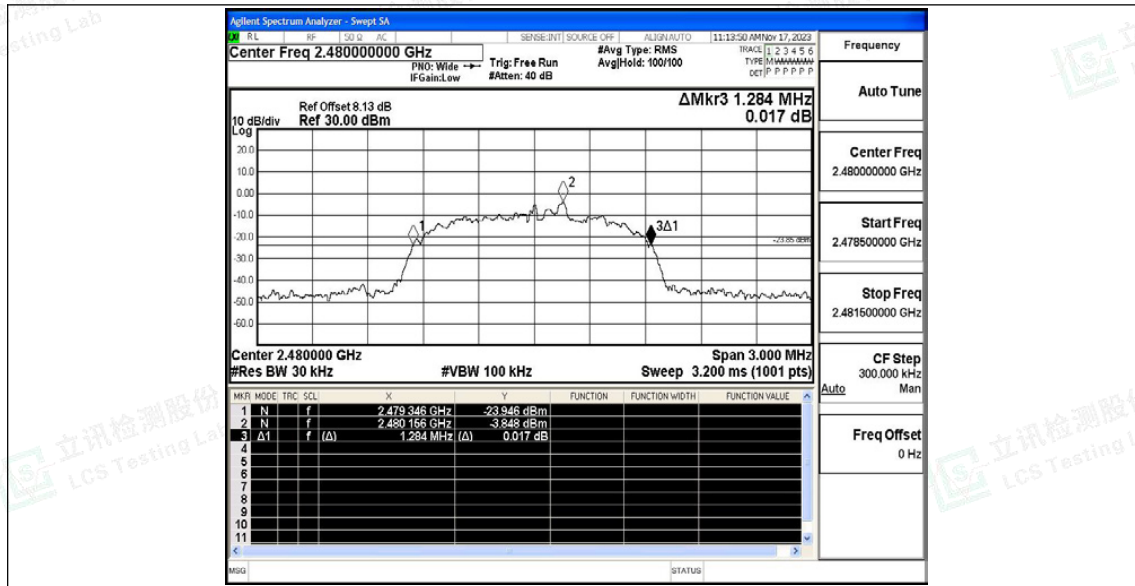


Shenzhen LCS Compliance Testing Laboratory Ltd.

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





A.2 Maximum conducted output power

Test Result

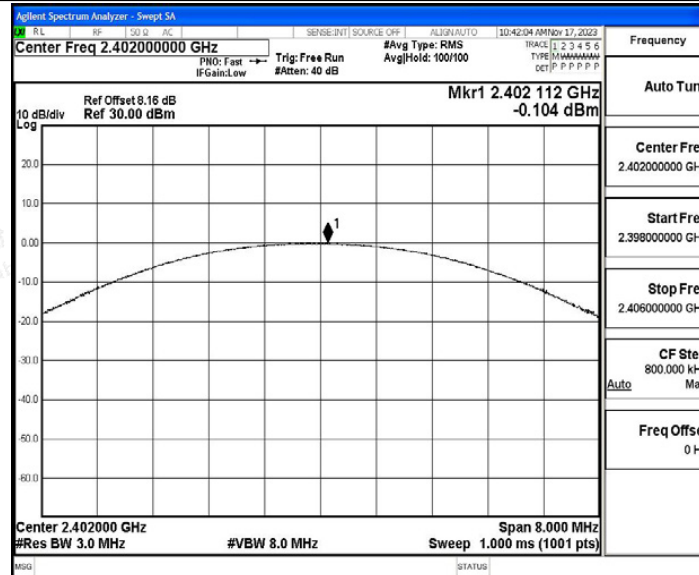
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.1	≤21	PASS
		2441	-0.07	≤21	PASS
		2480	0.08	≤21	PASS
2DH5	Ant1	2402	-0.43	≤21	PASS
		2441	-0.33	≤21	PASS
		2480	-0.27	≤21	PASS
3DH5	Ant1	2402	-0.32	≤21	PASS
		2441	-0.34	≤21	PASS
		2480	-0.18	≤21	PASS



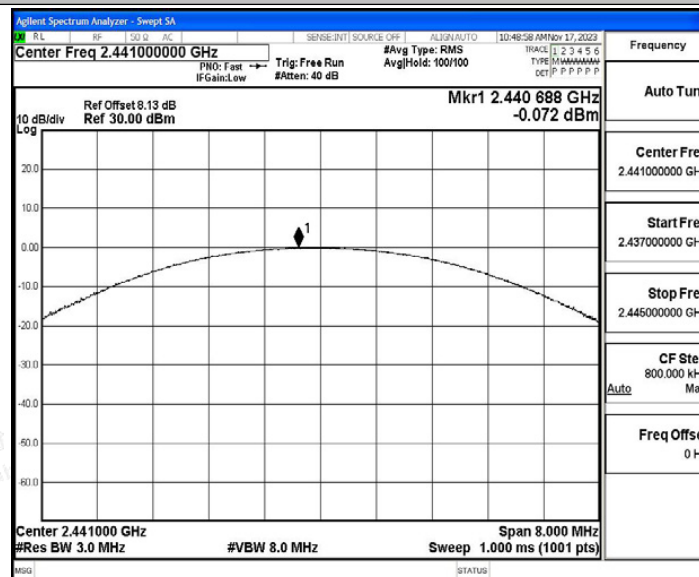


Test Graphs

DH5_Ant1_2402

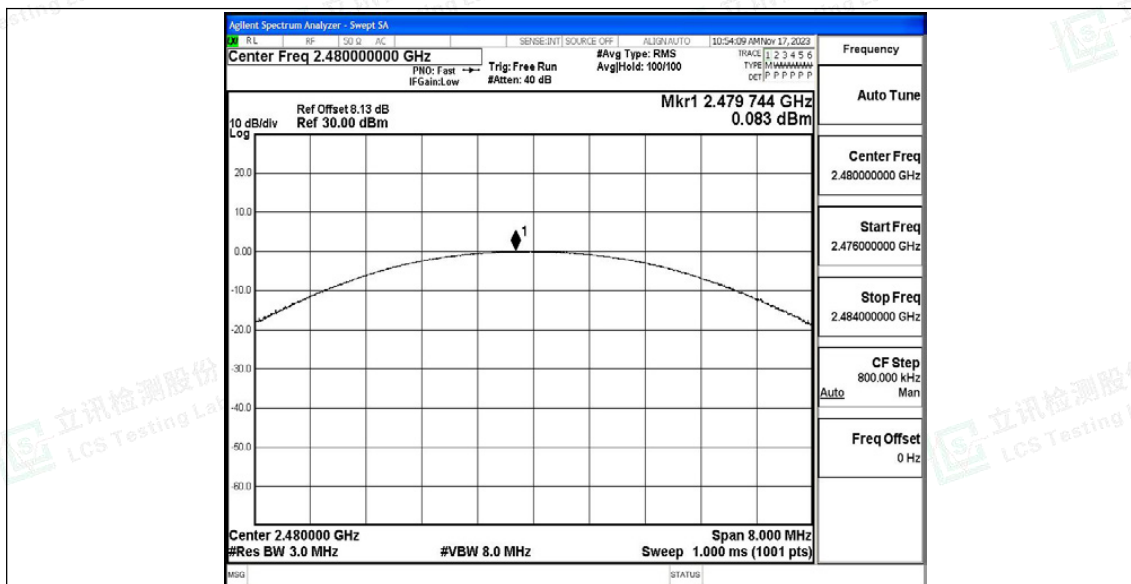


DH5_Ant1_2441

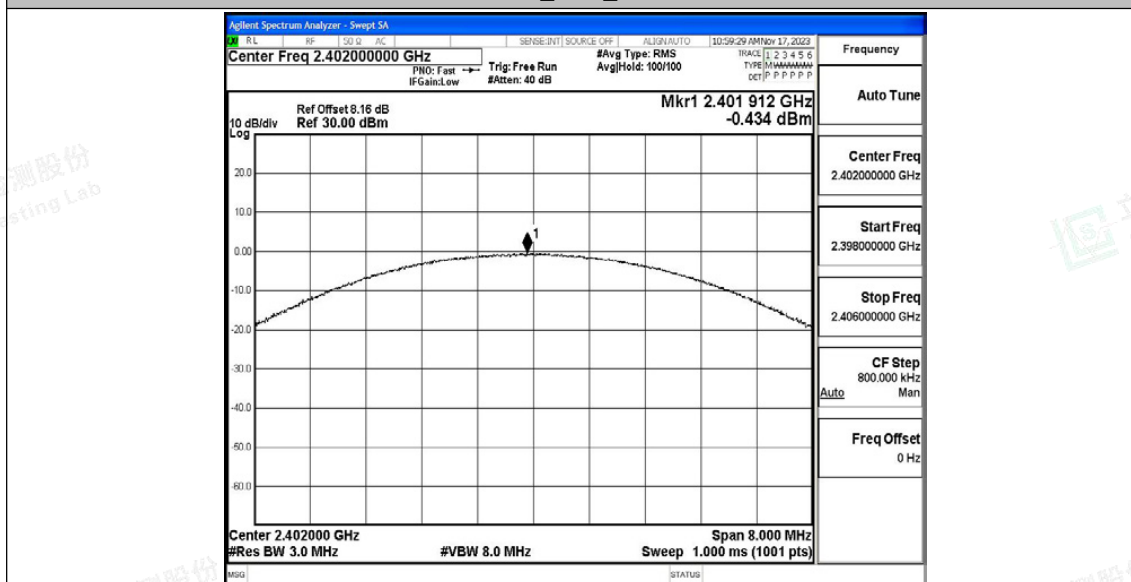


DH5_Ant1_2480



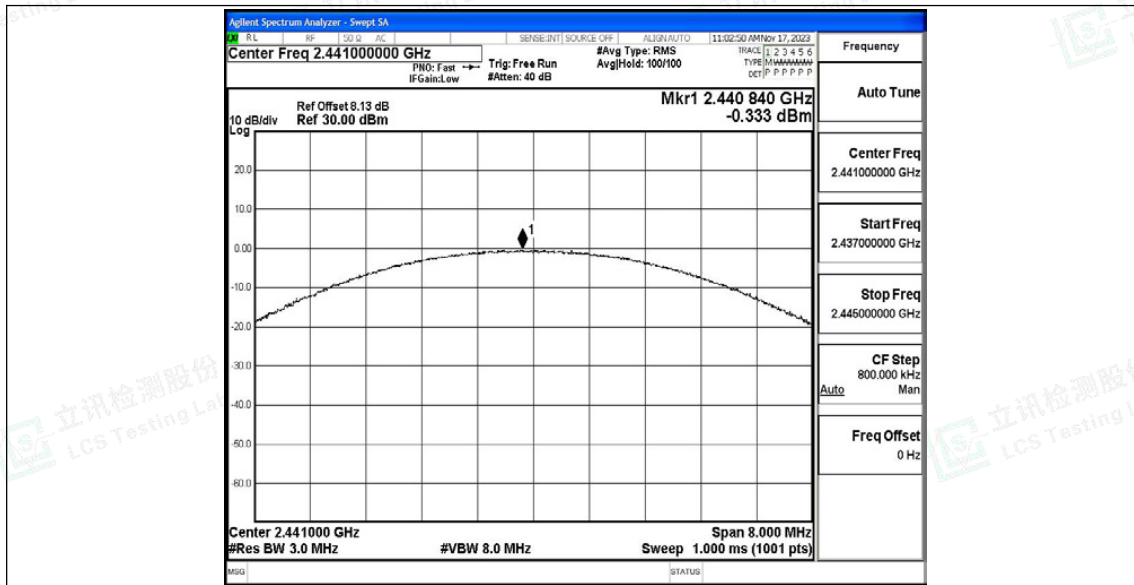


2DH5_Ant1_2402

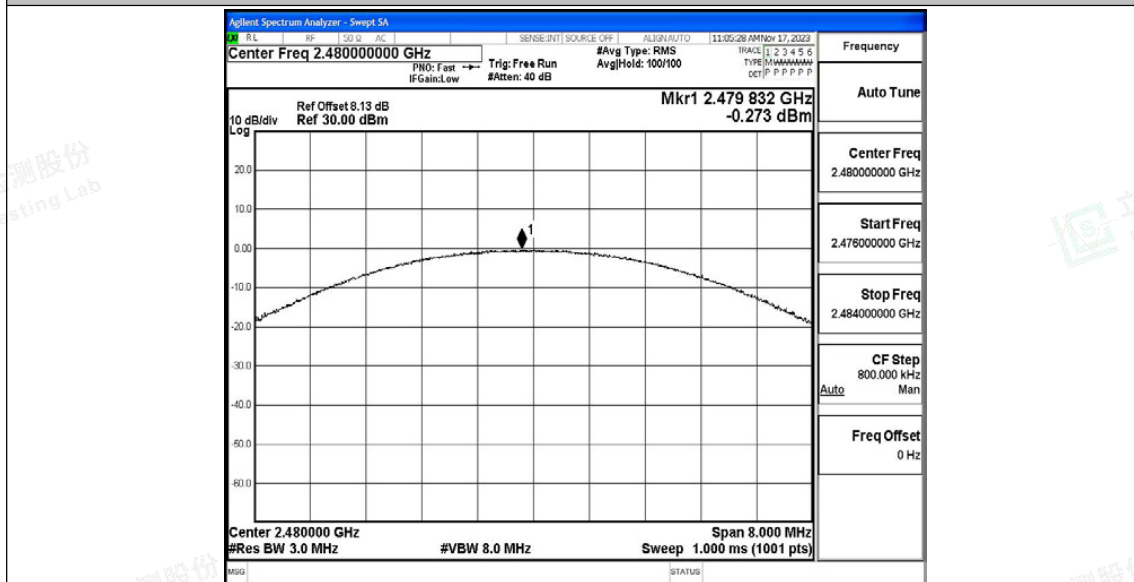


2DH5_Ant1_2441



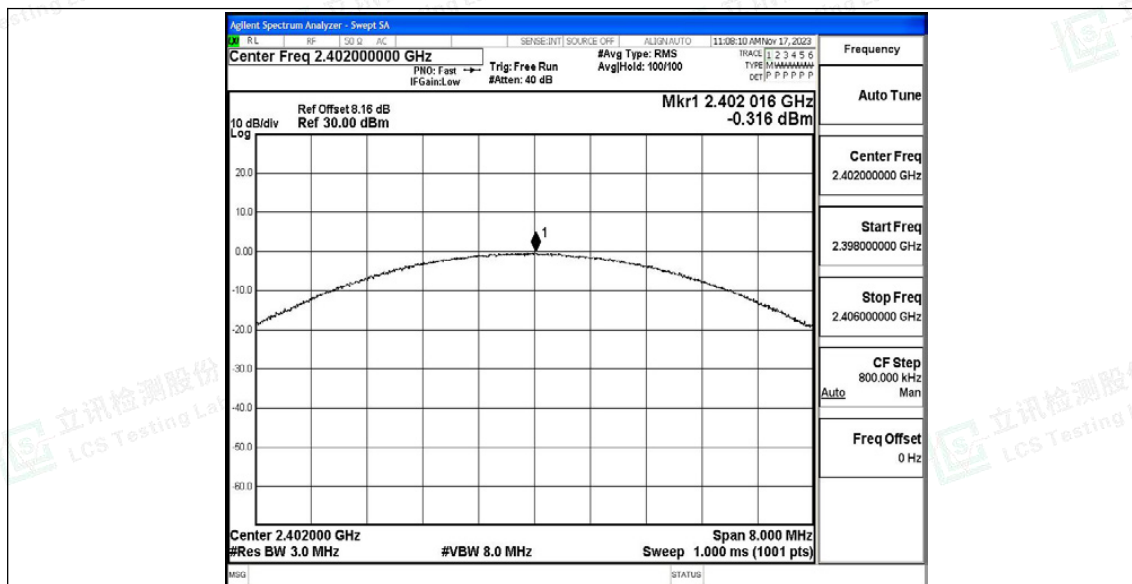


2DH5_Ant1_2480

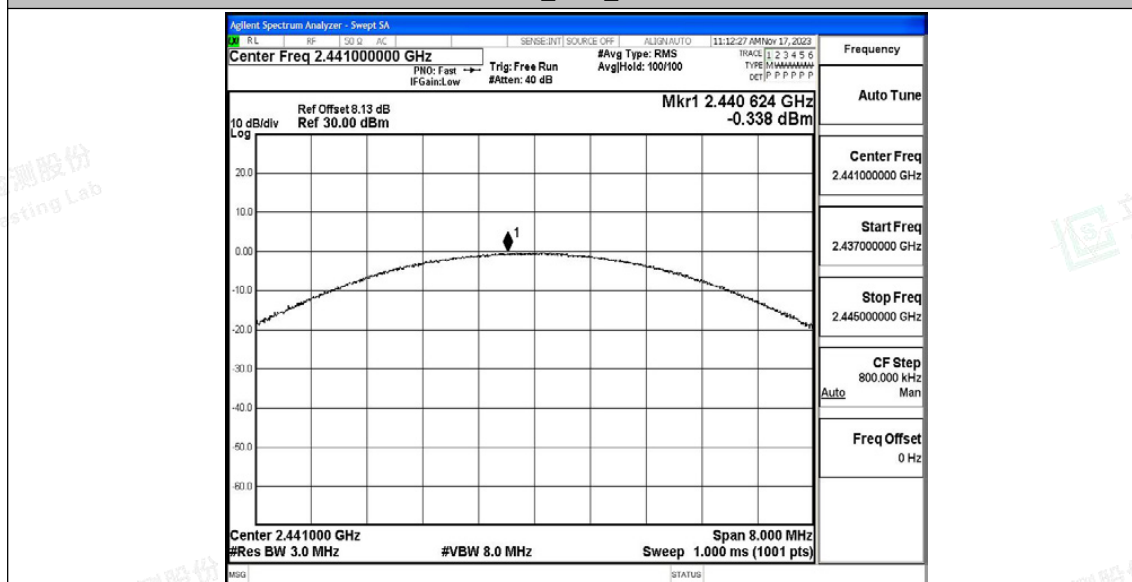


3DH5_Ant1_2402



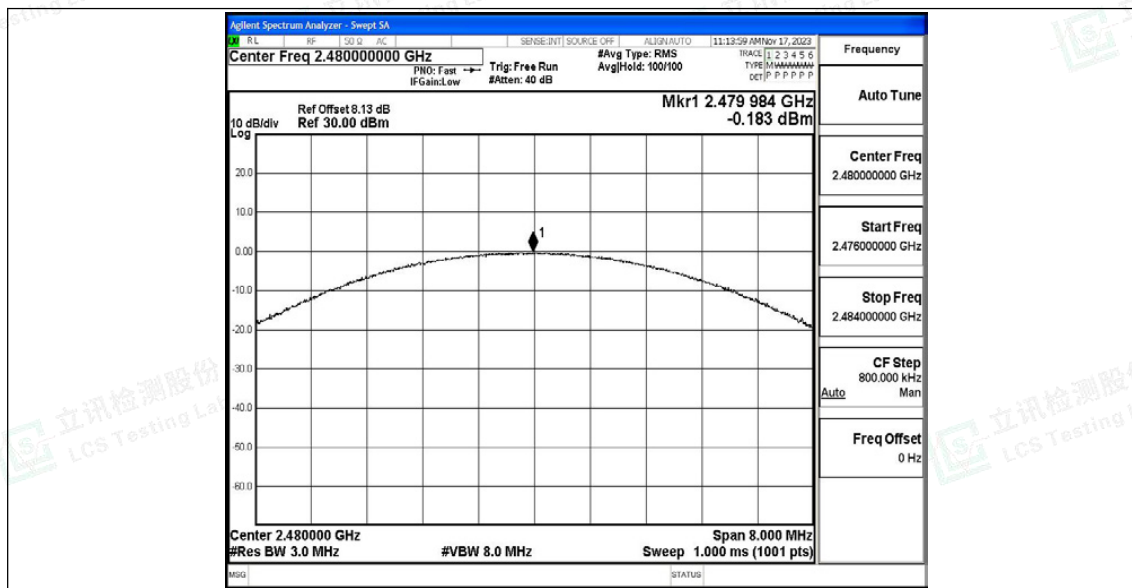


3DH5_Ant1_2441



3DH5_Ant1_2480







A.3 Carrier frequency separation

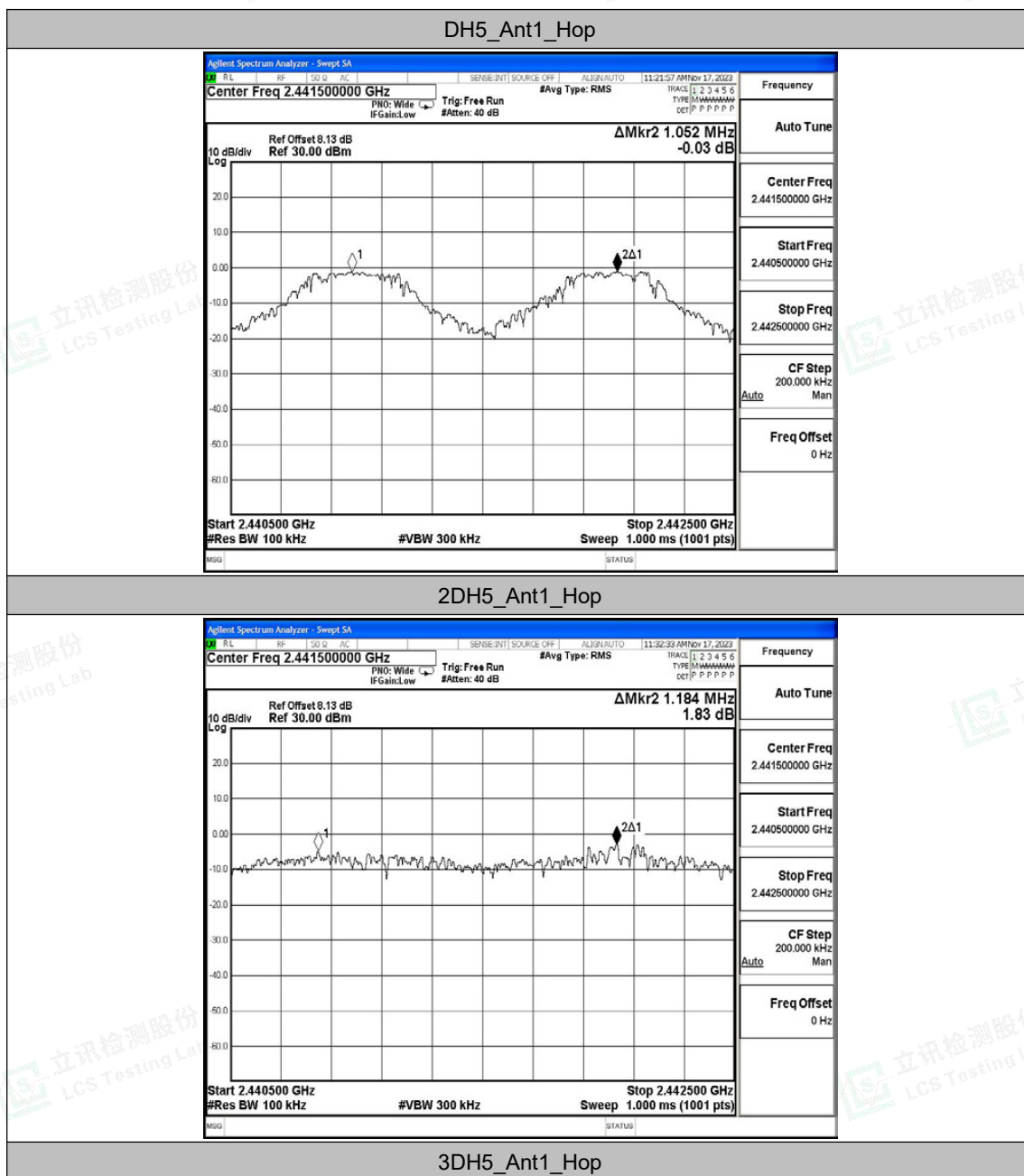
Test Result

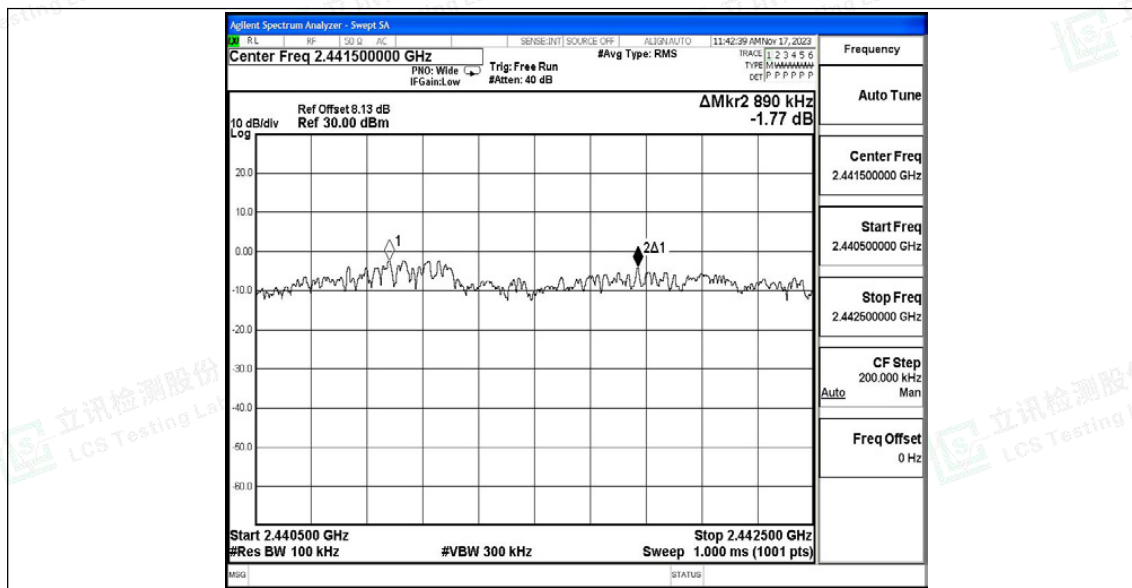
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.052	≥ 1.035	PASS
2DH5	Ant1	Hop	1.184	≥ 0.876	PASS
3DH5	Ant1	Hop	0.89	≥ 0.870	PASS





Test Graphs







A.4 Time of occupancy

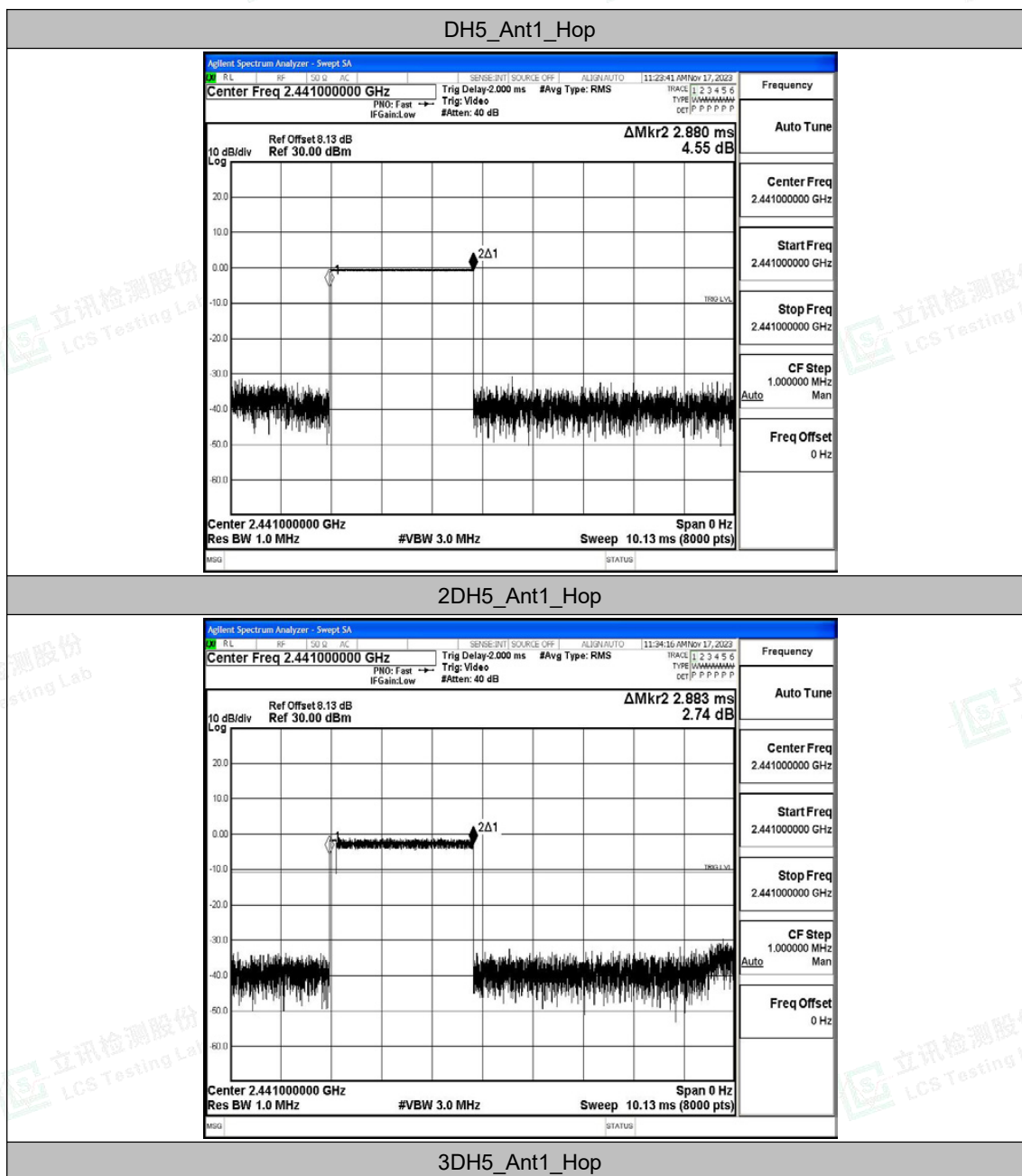
Test Result

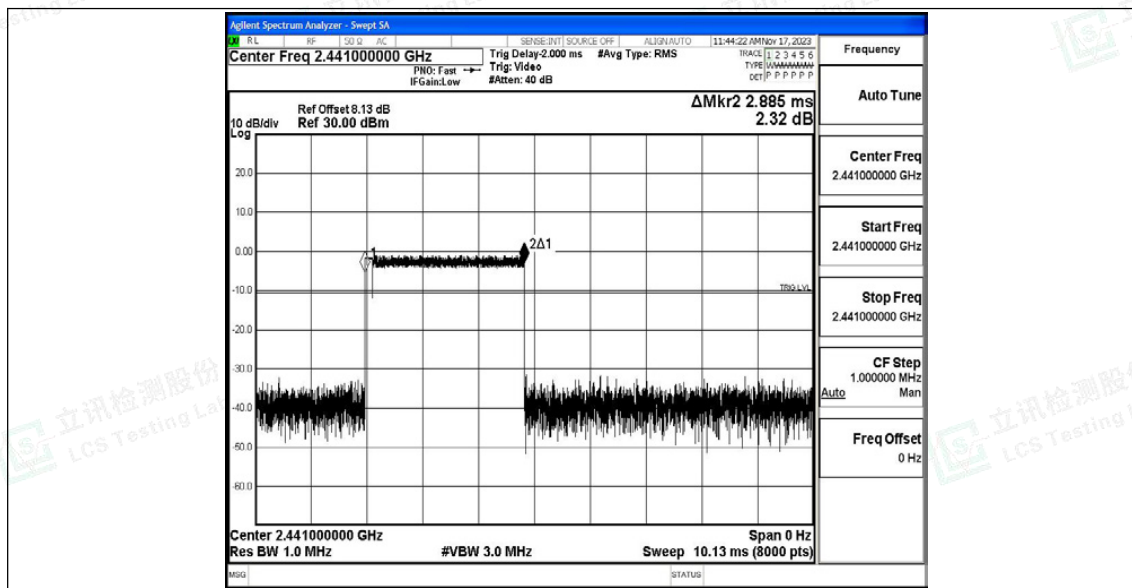
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.883	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS





Test Graphs







A.5 Number of hopping channels

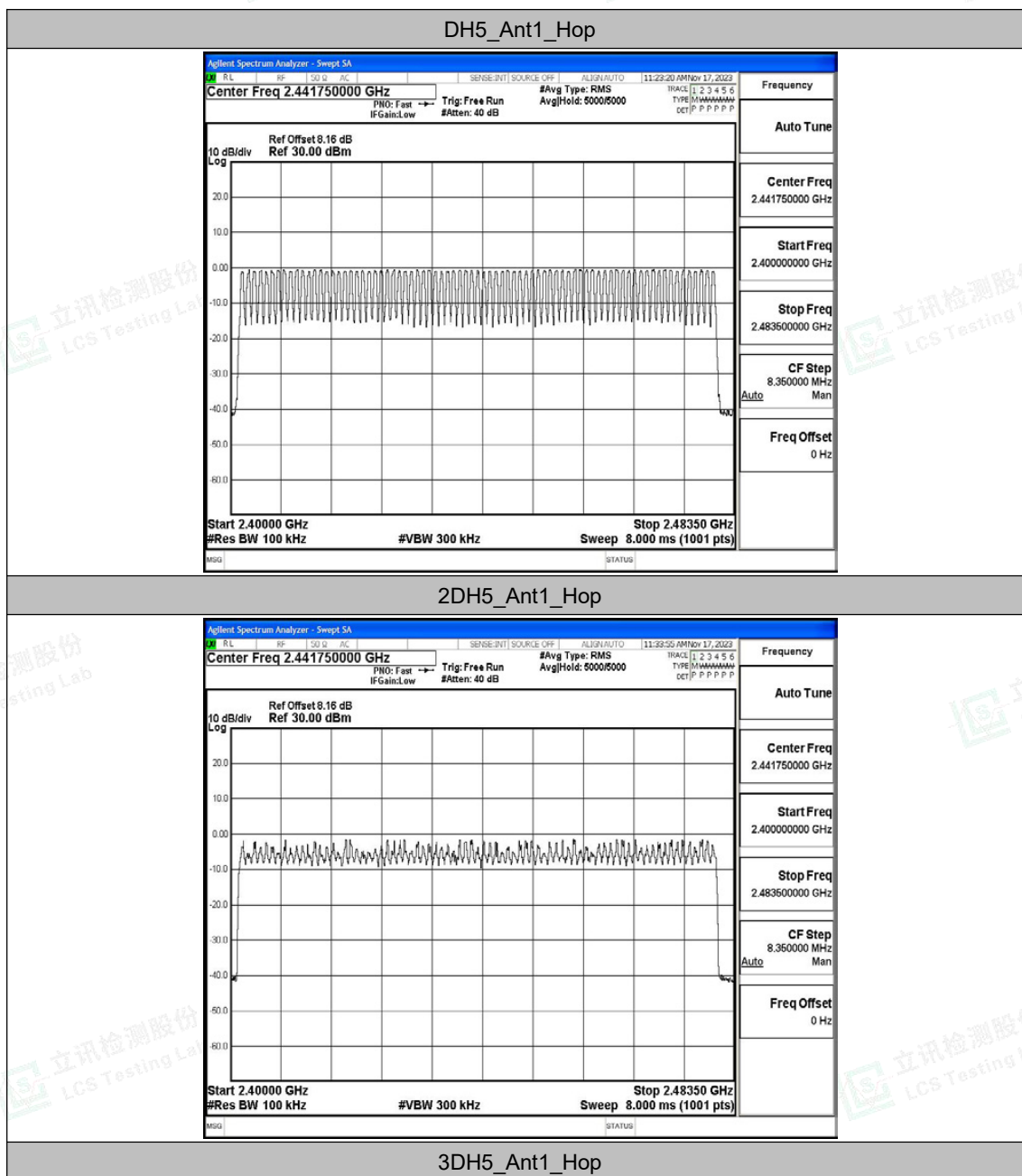
Test Result

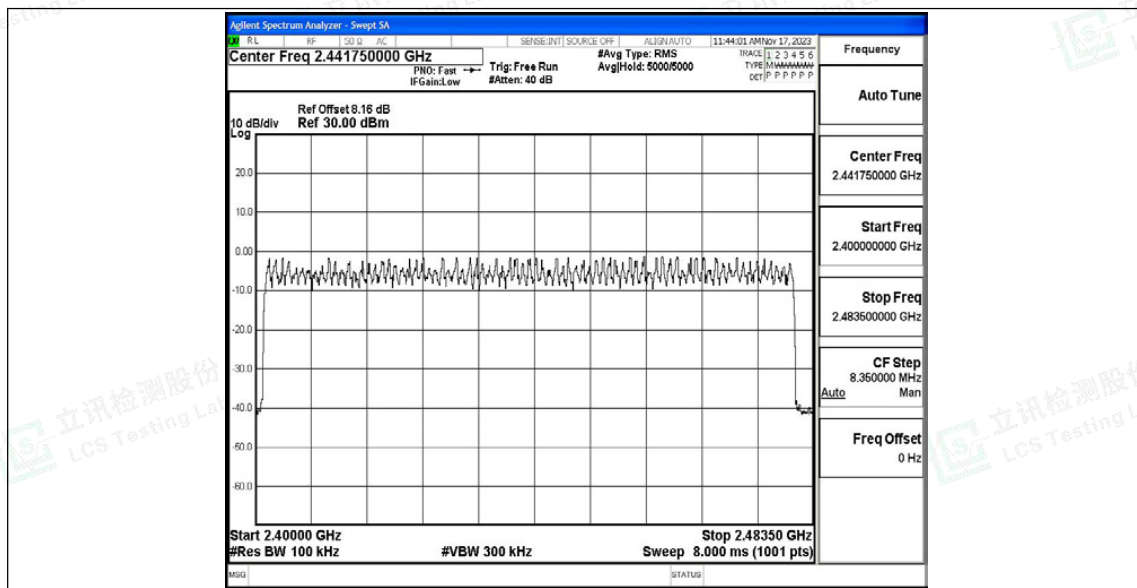
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS





Test Graphs







A.6 Band edge measurements

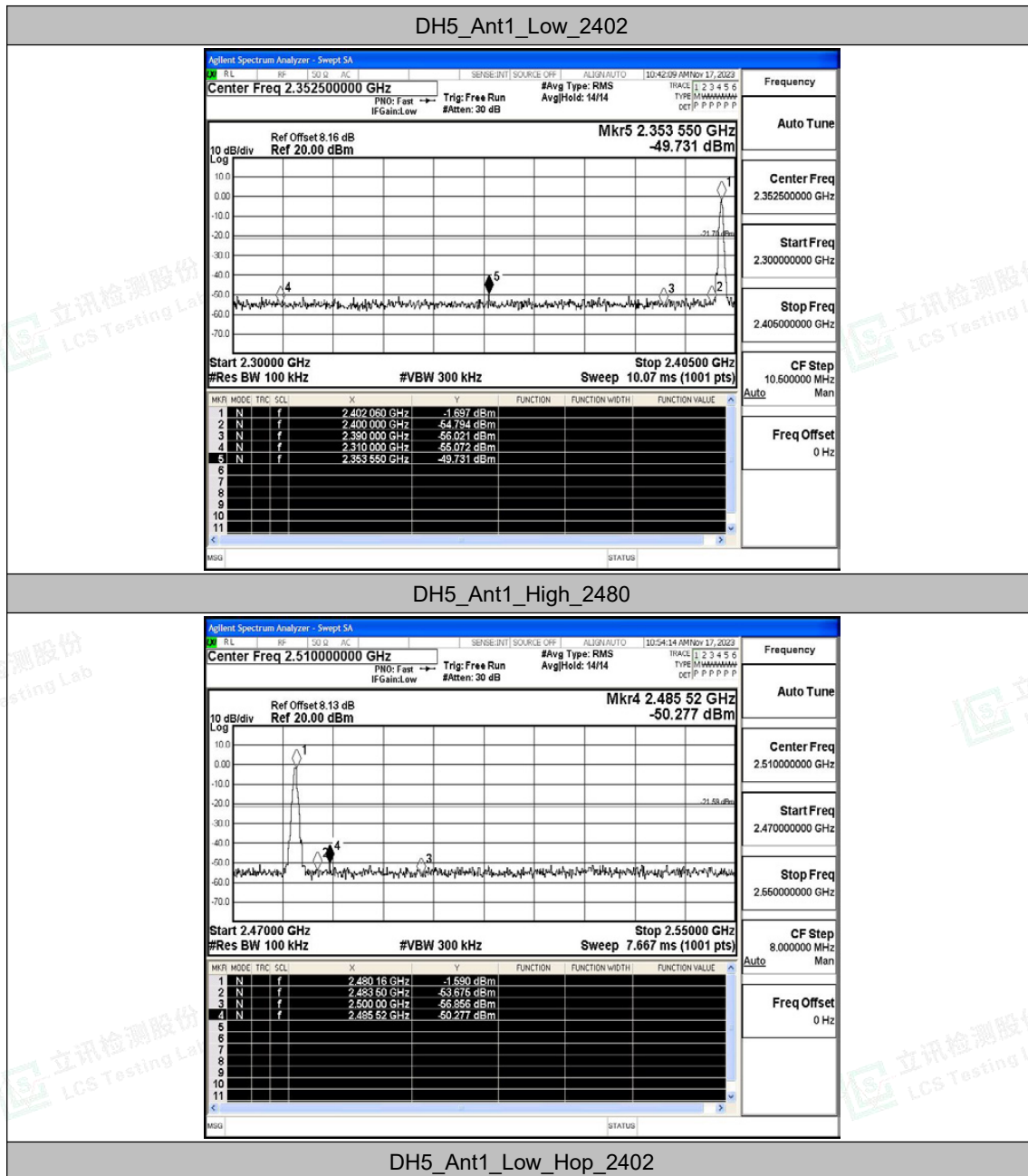
Test Result

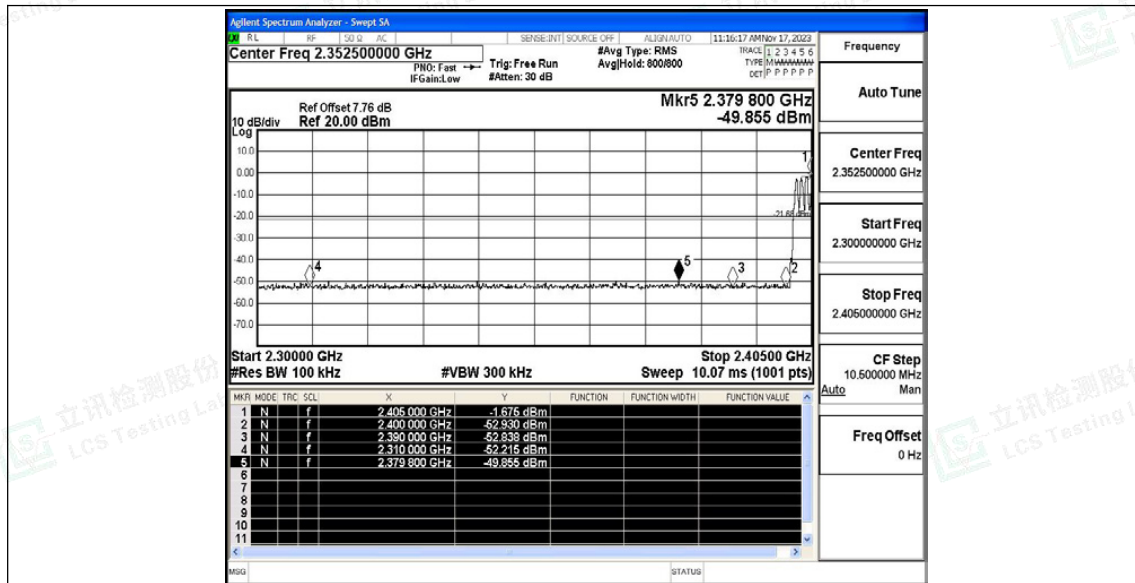
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.70	-49.73	≤ -21.7	PASS
		High	2480	-1.59	-50.28	≤ -21.59	PASS
		Low	Hop_2402	-1.68	-49.86	≤ -21.68	PASS
		High	Hop_2480	-0.74	-48.99	≤ -20.74	PASS
2DH5	Ant1	Low	2402	-5.10	-51.53	≤ -25.1	PASS
		High	2480	-3.71	-50.67	≤ -23.71	PASS
		Low	Hop_2402	-2.36	-50.24	≤ -22.36	PASS
		High	Hop_2480	-3.79	-49.72	≤ -23.79	PASS
3DH5	Ant1	Low	2402	-5.28	-50.85	≤ -25.28	PASS
		High	2480	-4.92	-50.32	≤ -24.92	PASS
		Low	Hop_2402	-3.16	-49.83	≤ -23.16	PASS
		High	Hop_2480	-3.31	-49.17	≤ -23.31	PASS



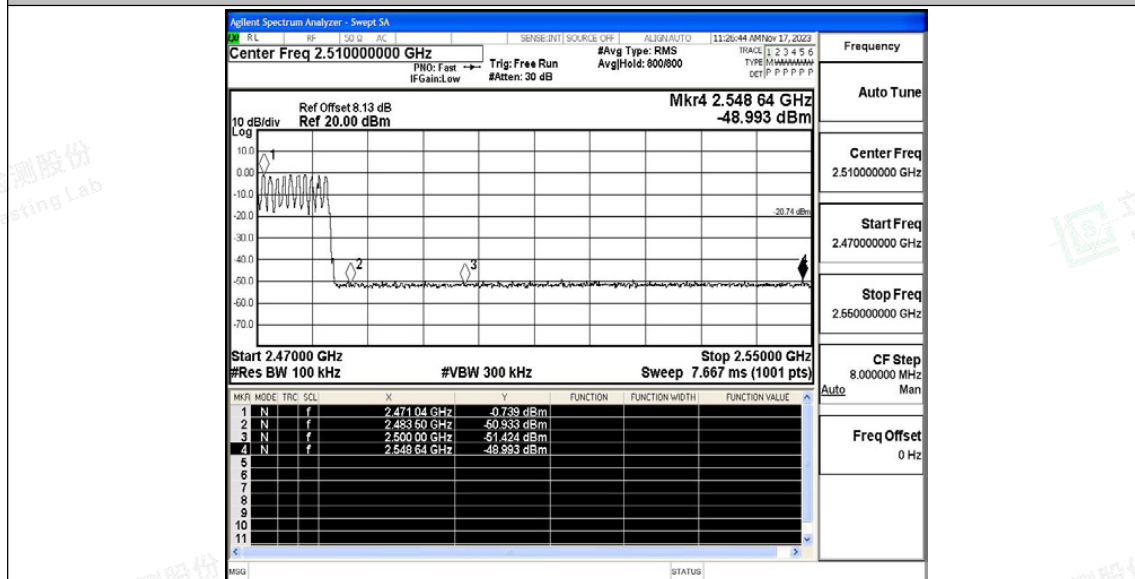


Test Graphs



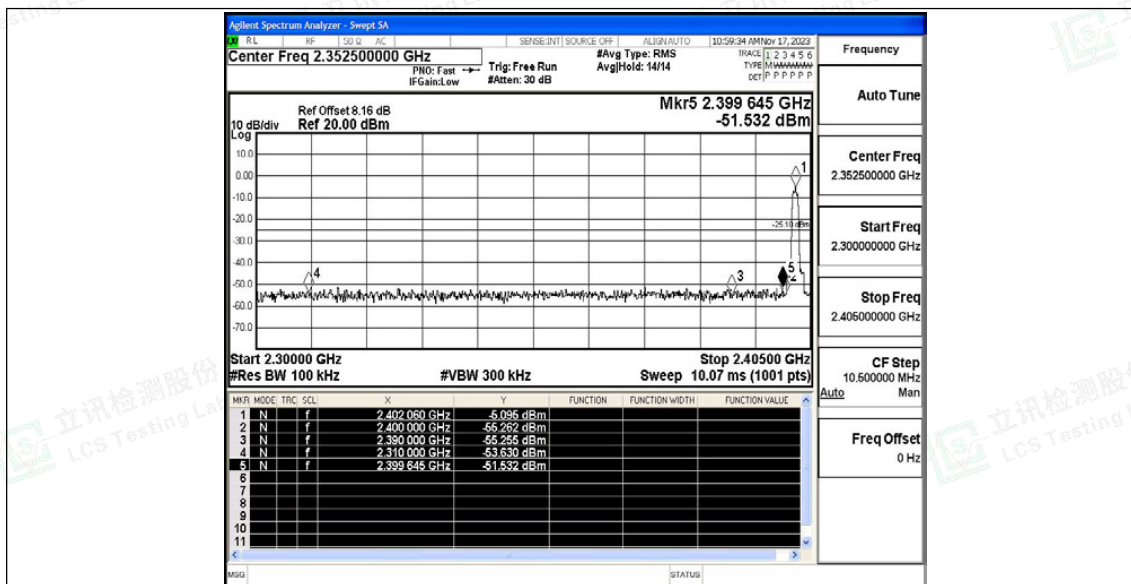


DH5_Ant1_High_Hop_2480

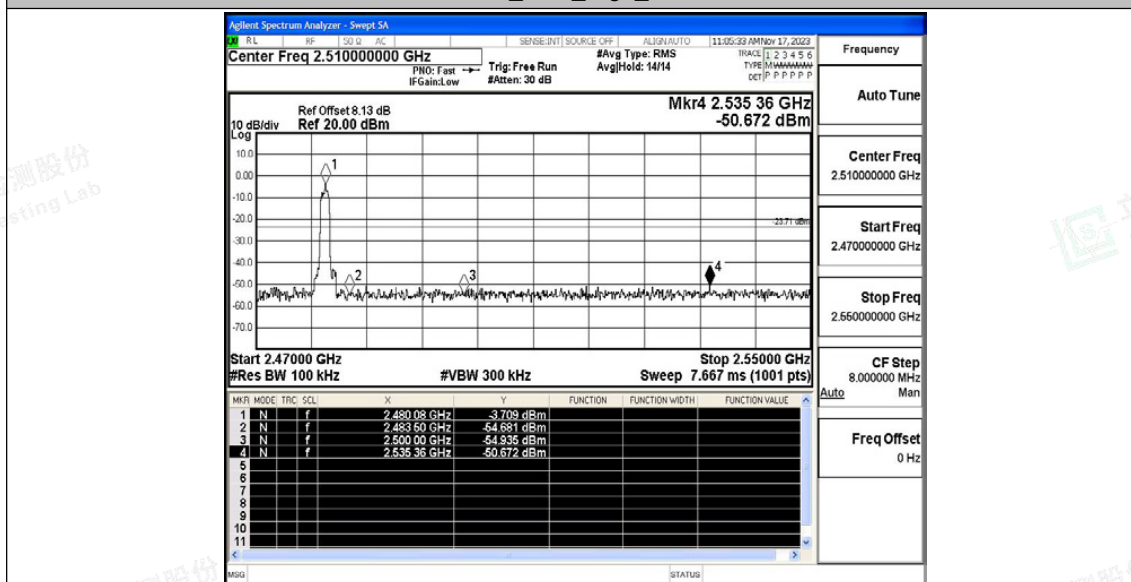


2DH5_Ant1_Low_2402



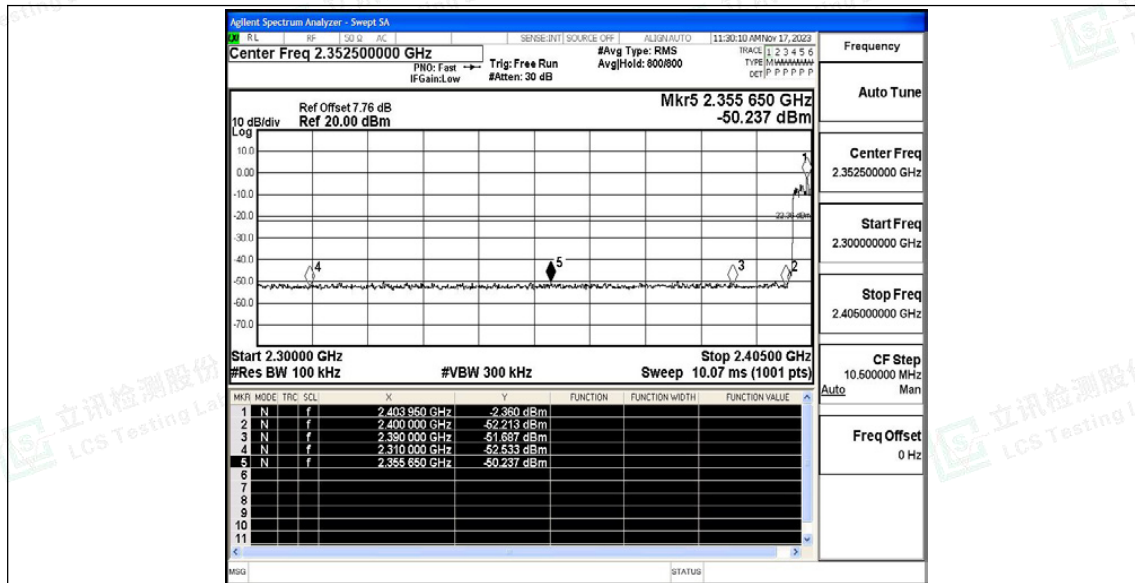


2DH5_Ant1_High_2480

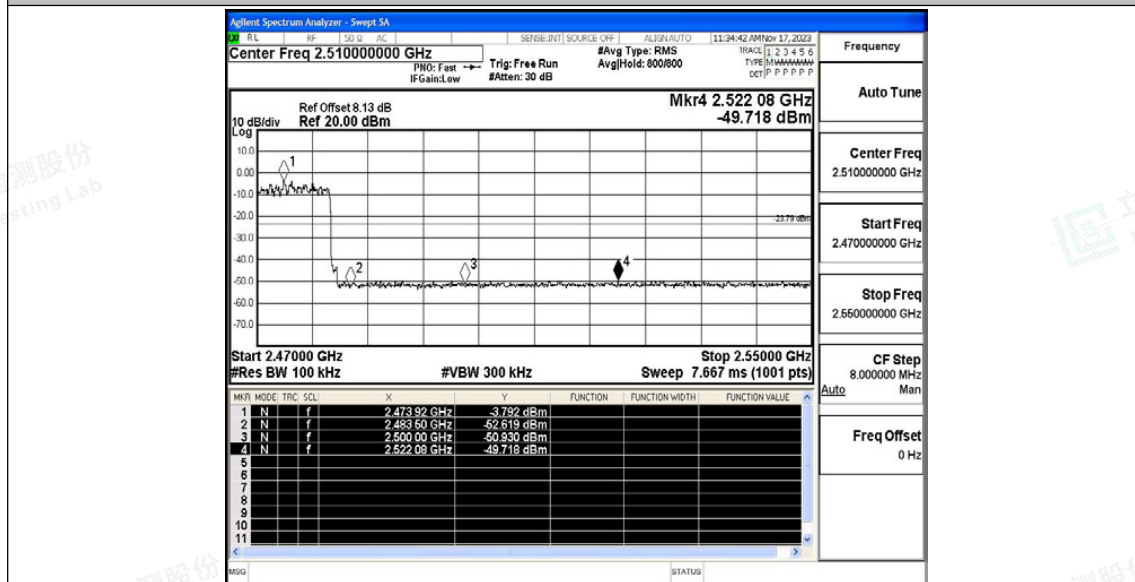


2DH5_Ant1_Low_Hop_2402



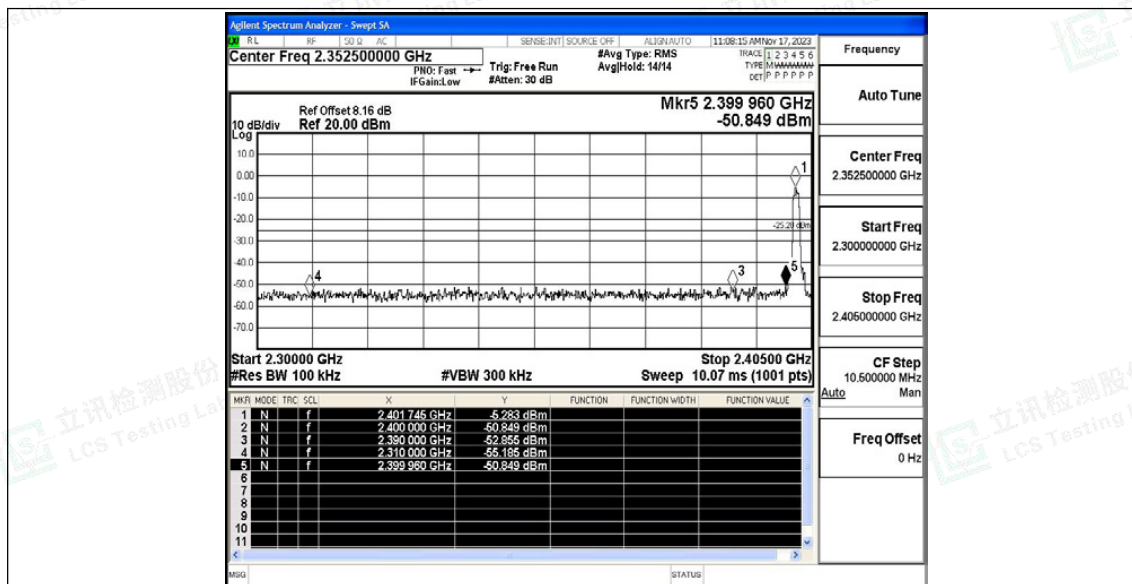


2DH5_Ant1_High_Hop_2480

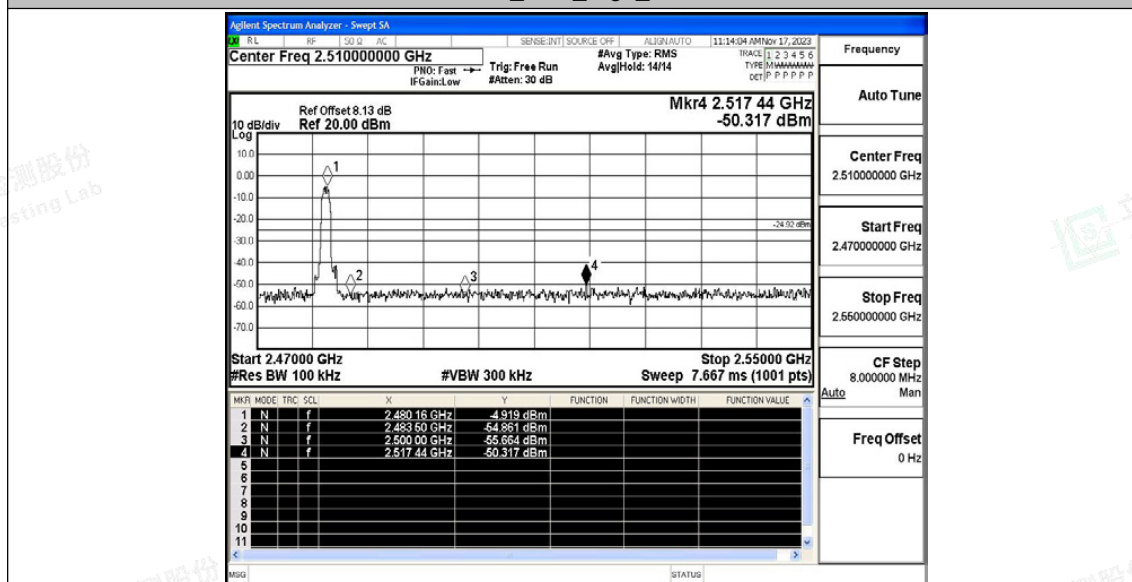


3DH5_Ant1_Low_2402



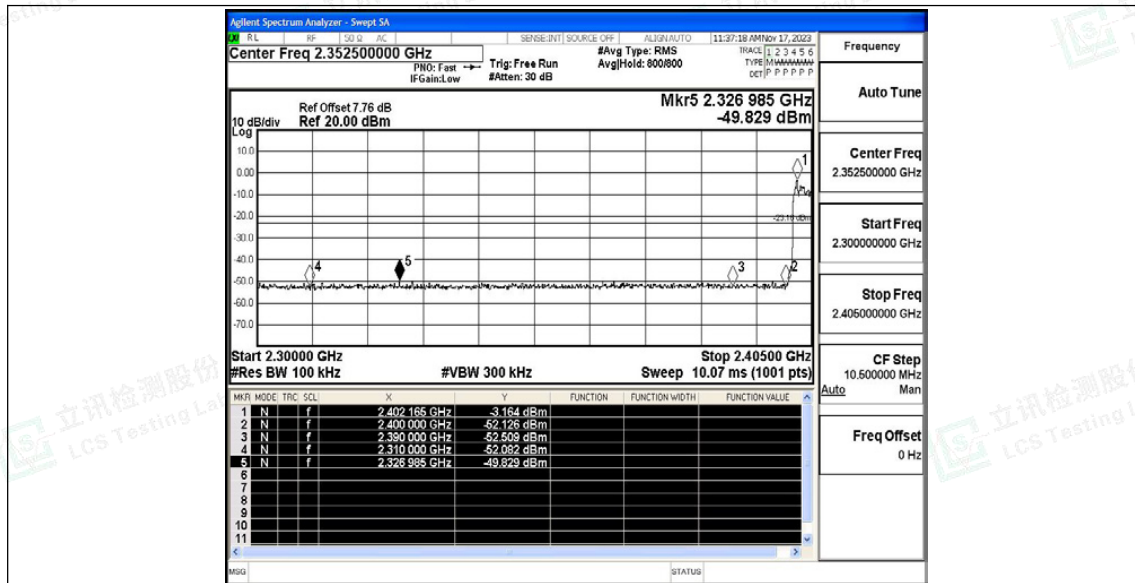


3DH5_Ant1_High_2480

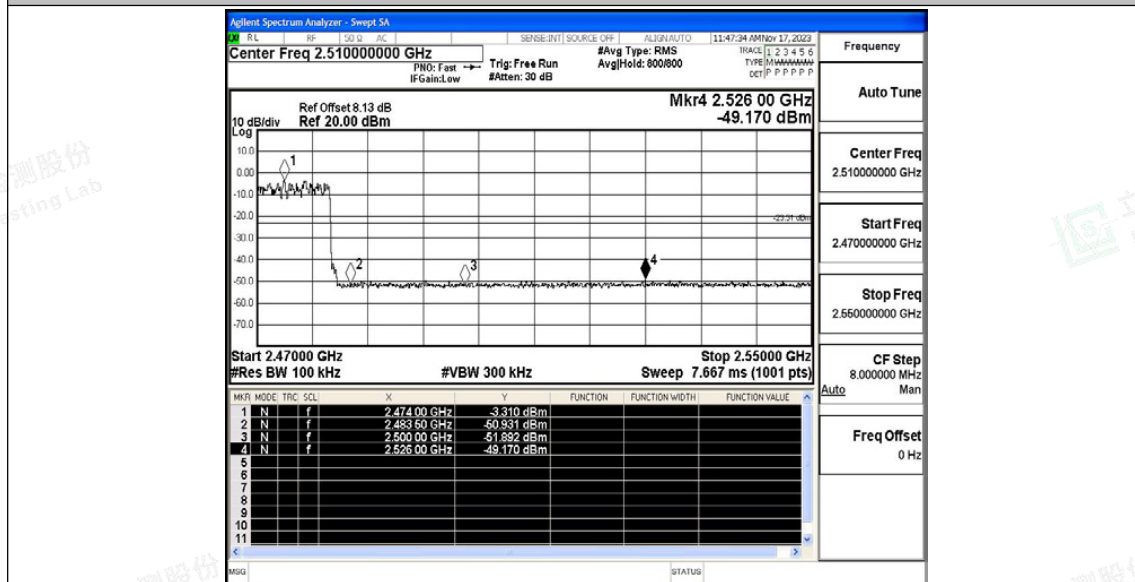


3DH5_Ant1_Low_Hop_2402





3DH5_Ant1_High_Hop_2480



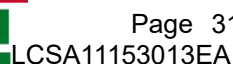


A.7 Conducted Spurious Emission

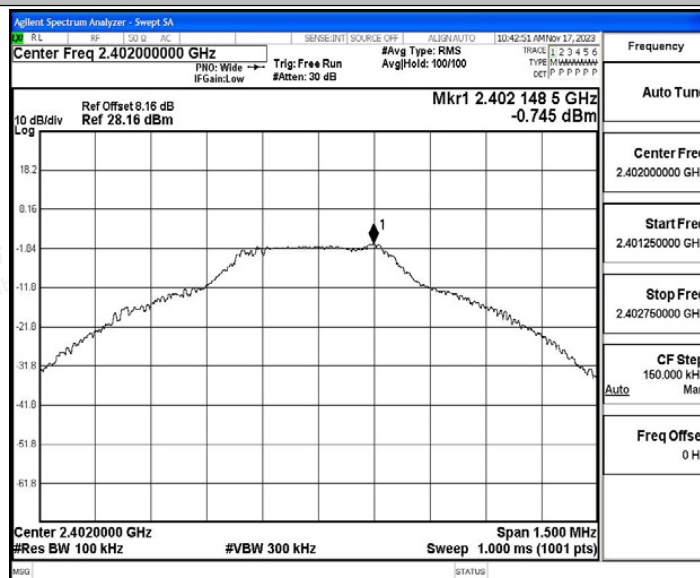
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.75	-0.75	---	PASS
			30~1000	-0.75	-60.48	≤ -20.75	PASS
			1000~26500	-0.75	-48.5	≤ -20.75	PASS
		2441	Reference	-0.82	-0.82	---	PASS
			30~1000	-0.82	-60.53	≤ -20.82	PASS
			1000~26500	-0.82	-48.1	≤ -20.82	PASS
		2480	Reference	-1.10	-1.10	---	PASS
			30~1000	-1.10	-61.98	≤ -21.1	PASS
			1000~26500	-1.10	-48.87	≤ -21.1	PASS
2DH5	Ant1	2402	Reference	-2.48	-2.48	---	PASS
			30~1000	-2.48	-61.21	≤ -22.48	PASS
			1000~26500	-2.48	-48.21	≤ -22.48	PASS
		2441	Reference	-2.33	-2.33	---	PASS
			30~1000	-2.33	-61.76	≤ -22.33	PASS
			1000~26500	-2.33	-48.11	≤ -22.33	PASS
		2480	Reference	-1.46	-1.46	---	PASS
			30~1000	-1.46	-61.75	≤ -21.46	PASS
			1000~26500	-1.46	-48.56	≤ -21.46	PASS
3DH5	Ant1	2402	Reference	-1.74	-1.74	---	PASS
			30~1000	-1.74	-61.72	≤ -21.74	PASS
			1000~26500	-1.74	-48.88	≤ -21.74	PASS
		2441	Reference	-2.13	-2.13	---	PASS
			30~1000	-2.13	-61.18	≤ -22.13	PASS
			1000~26500	-2.13	-48.99	≤ -22.13	PASS
		2480	Reference	-2.02	-2.02	---	PASS
			30~1000	-2.02	-61.94	≤ -22.02	PASS
			1000~26500	-2.02	-48.94	≤ -22.02	PASS

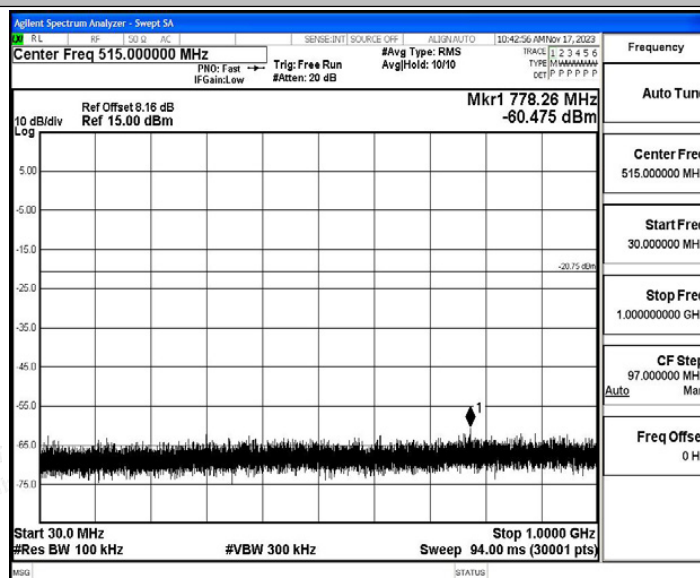




DH5 Ant1 2402 0~Reference



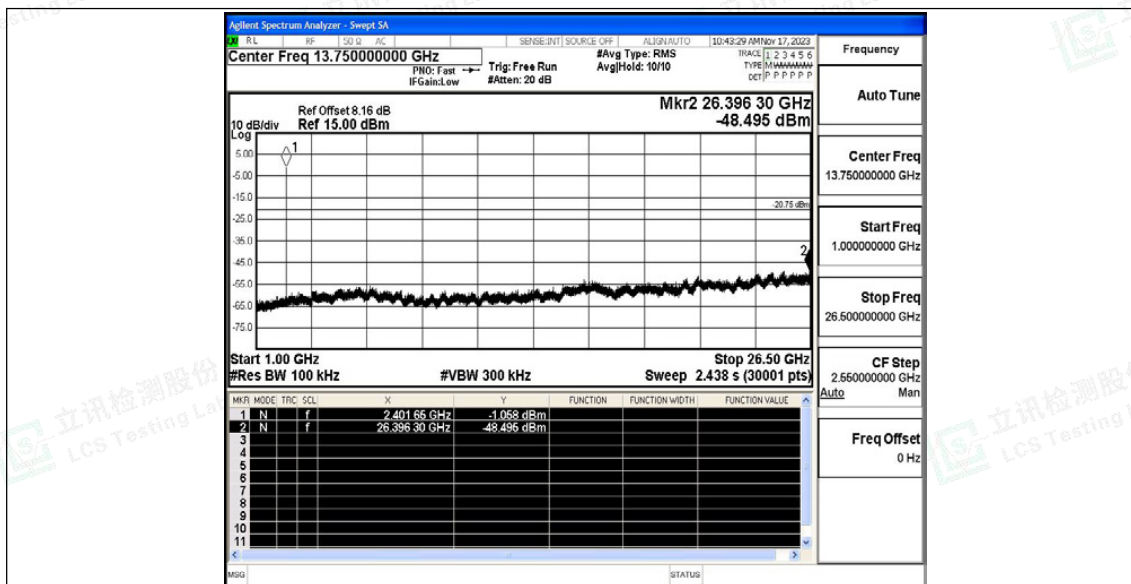
DH5 Ant1 2402 30~1000



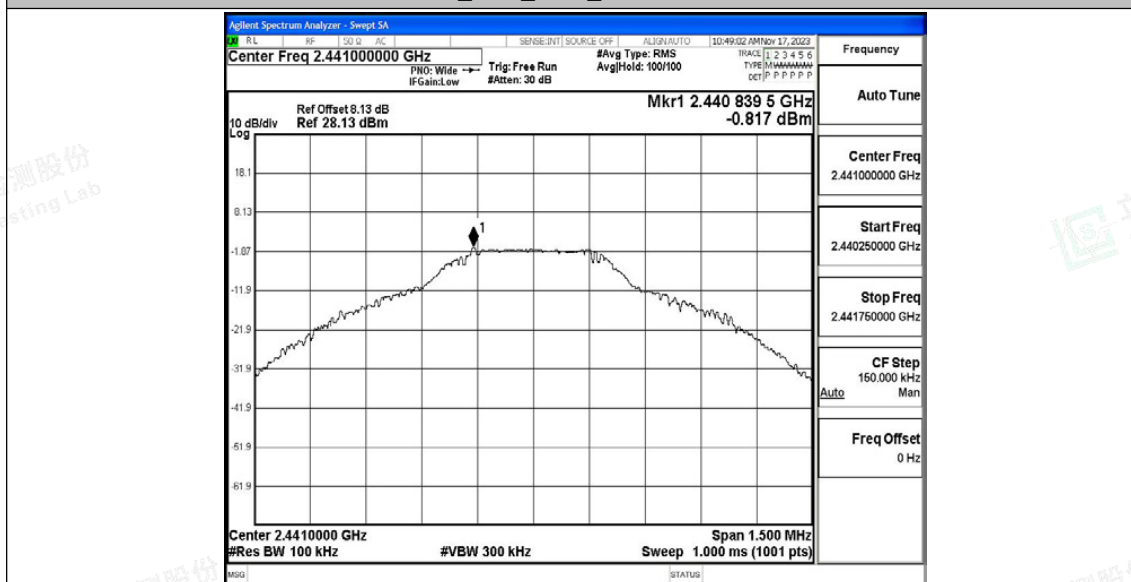
DH5_Ant1_2402_1000~26500



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

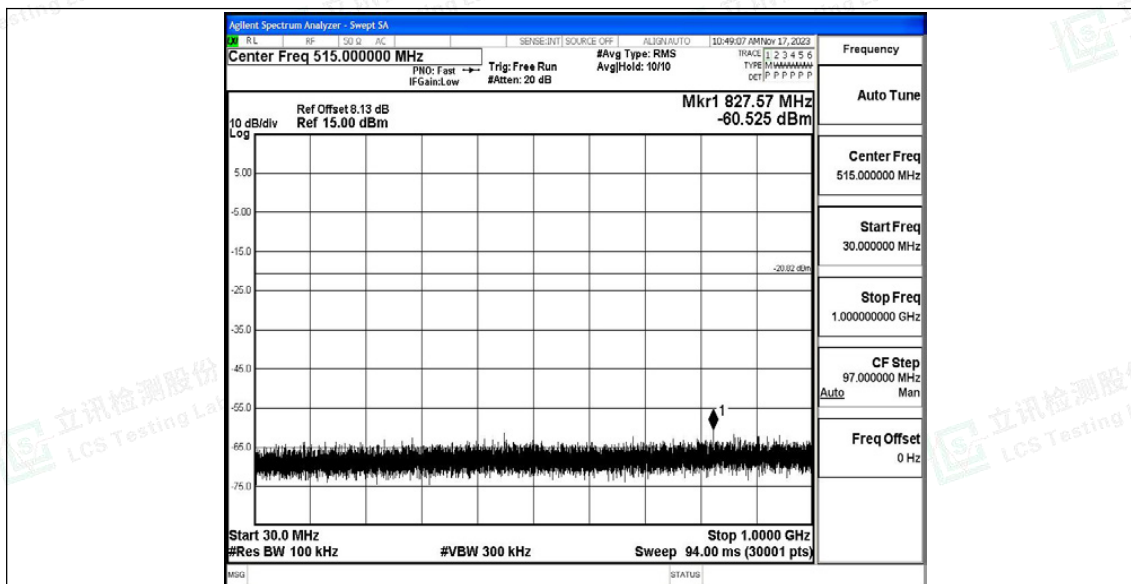


DH5_Ant1_2441_0~Reference

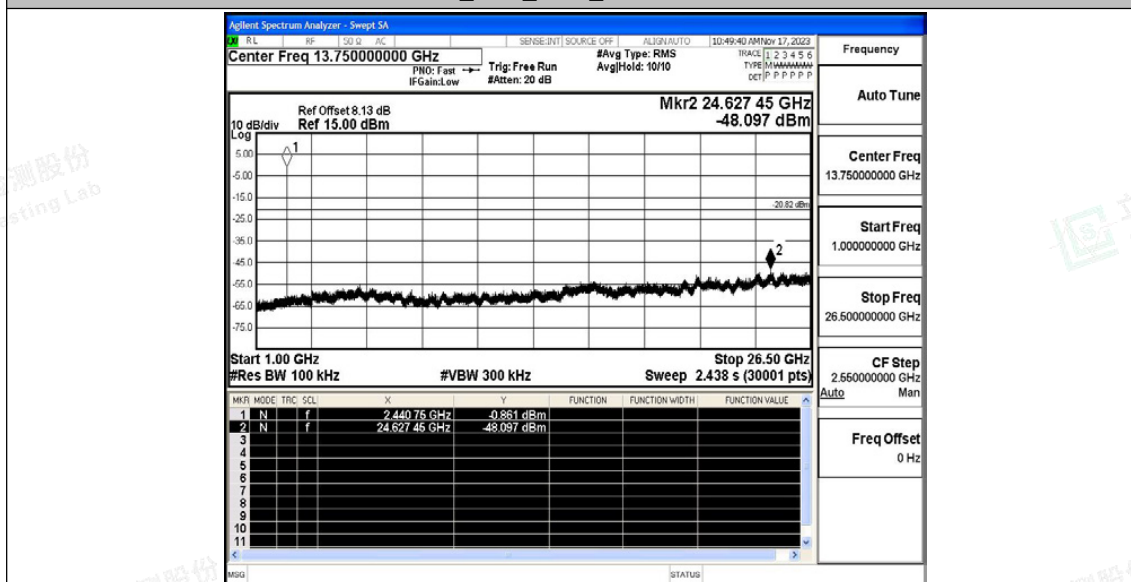


DH5_Ant1_2441_30~1000



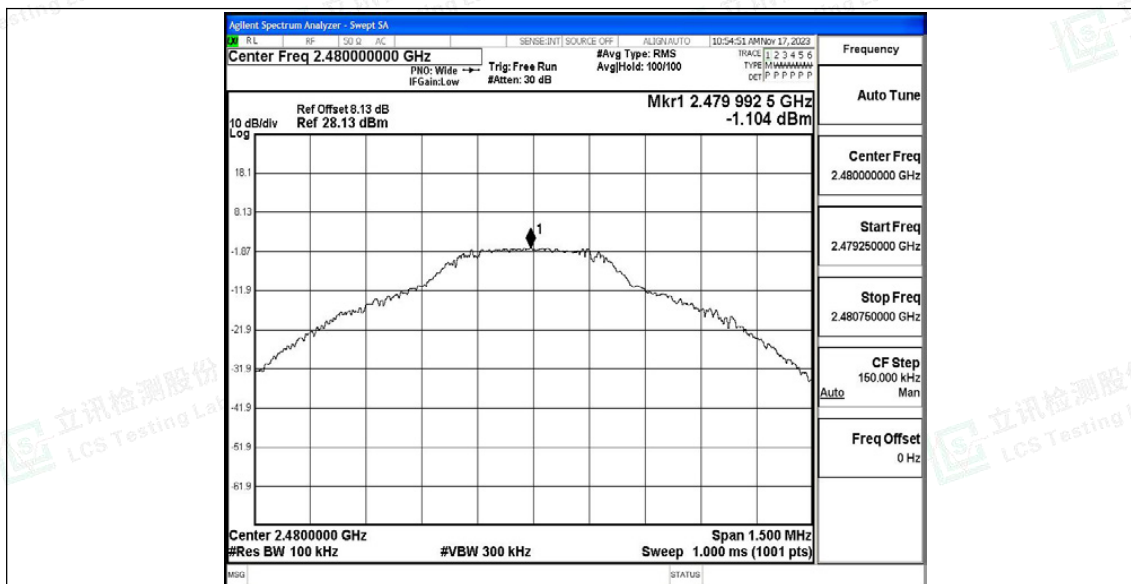


DH5_Ant1_2441_1000~26500

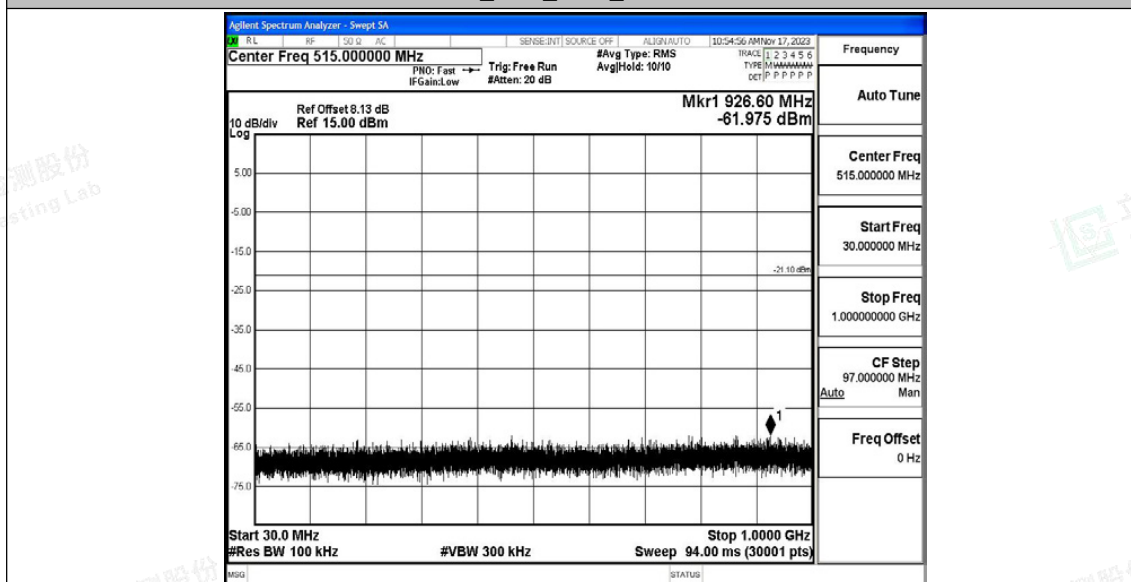


DH5_Ant1_2480_0~Reference



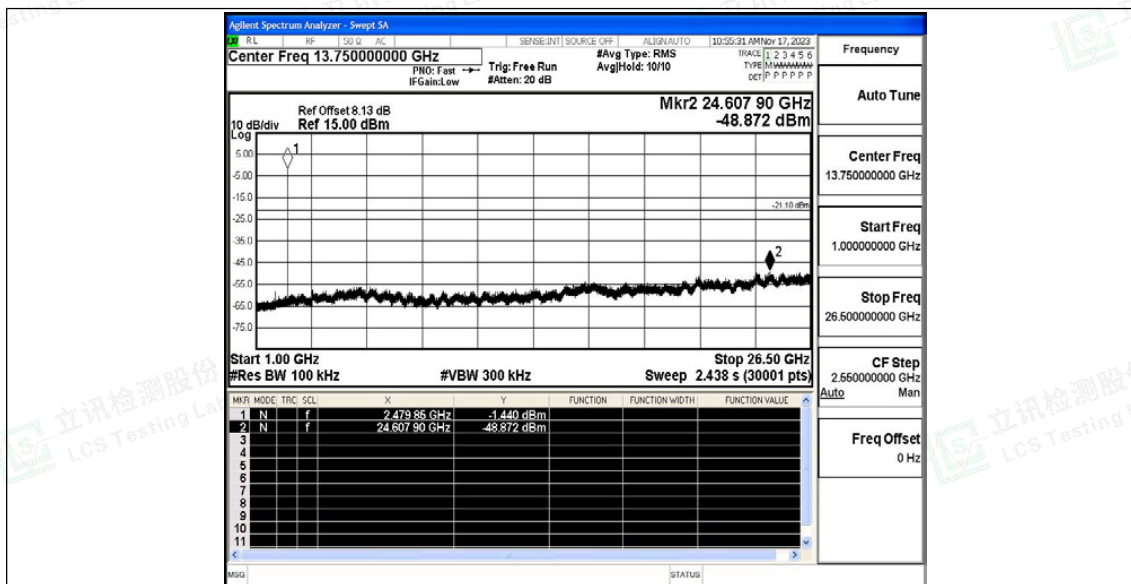


DH5_Ant1_2480_30~1000

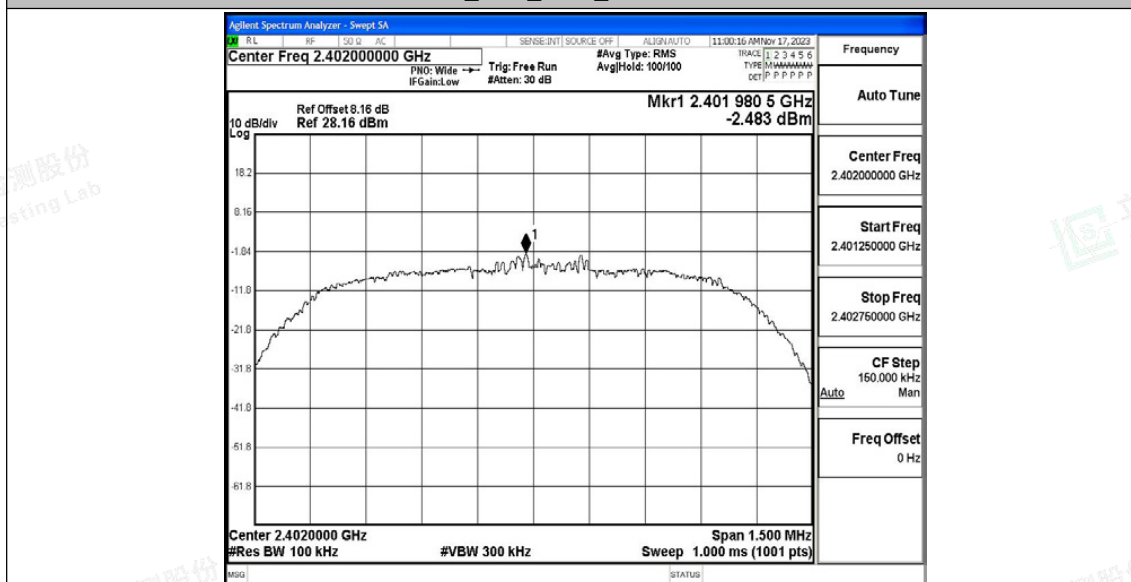


DH5_Ant1_2480_1000~26500



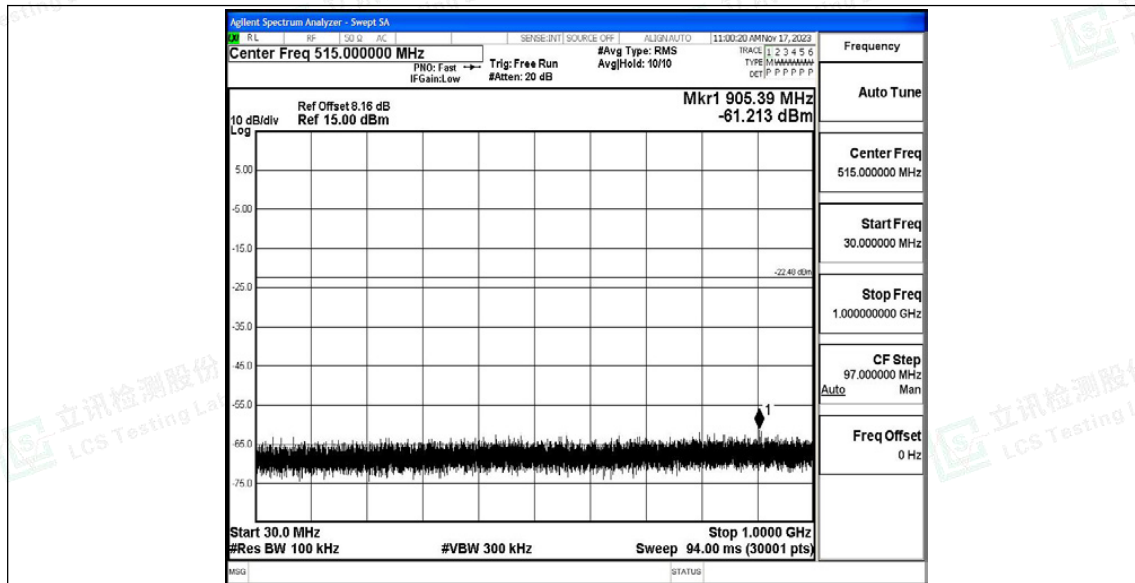


2DH5_Ant1_2402_0~Reference

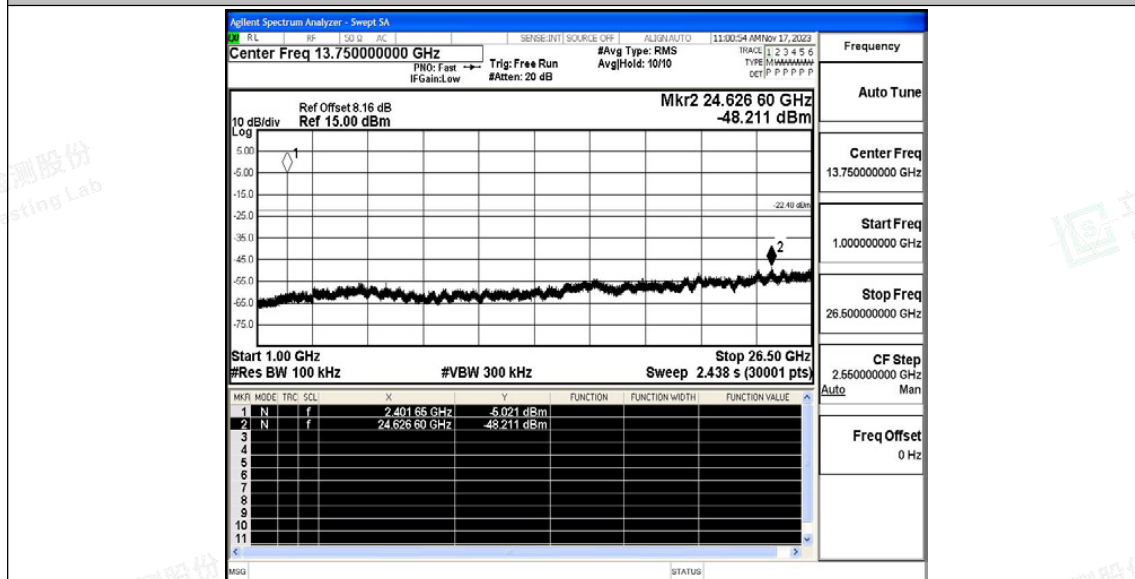


2DH5_Ant1_2402_30~1000





2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference

