



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: megaphone

Test Model: PR-0118

Environmental Conditions

Temperature:	23.9° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan





A.1 20dB Emission Bandwidth

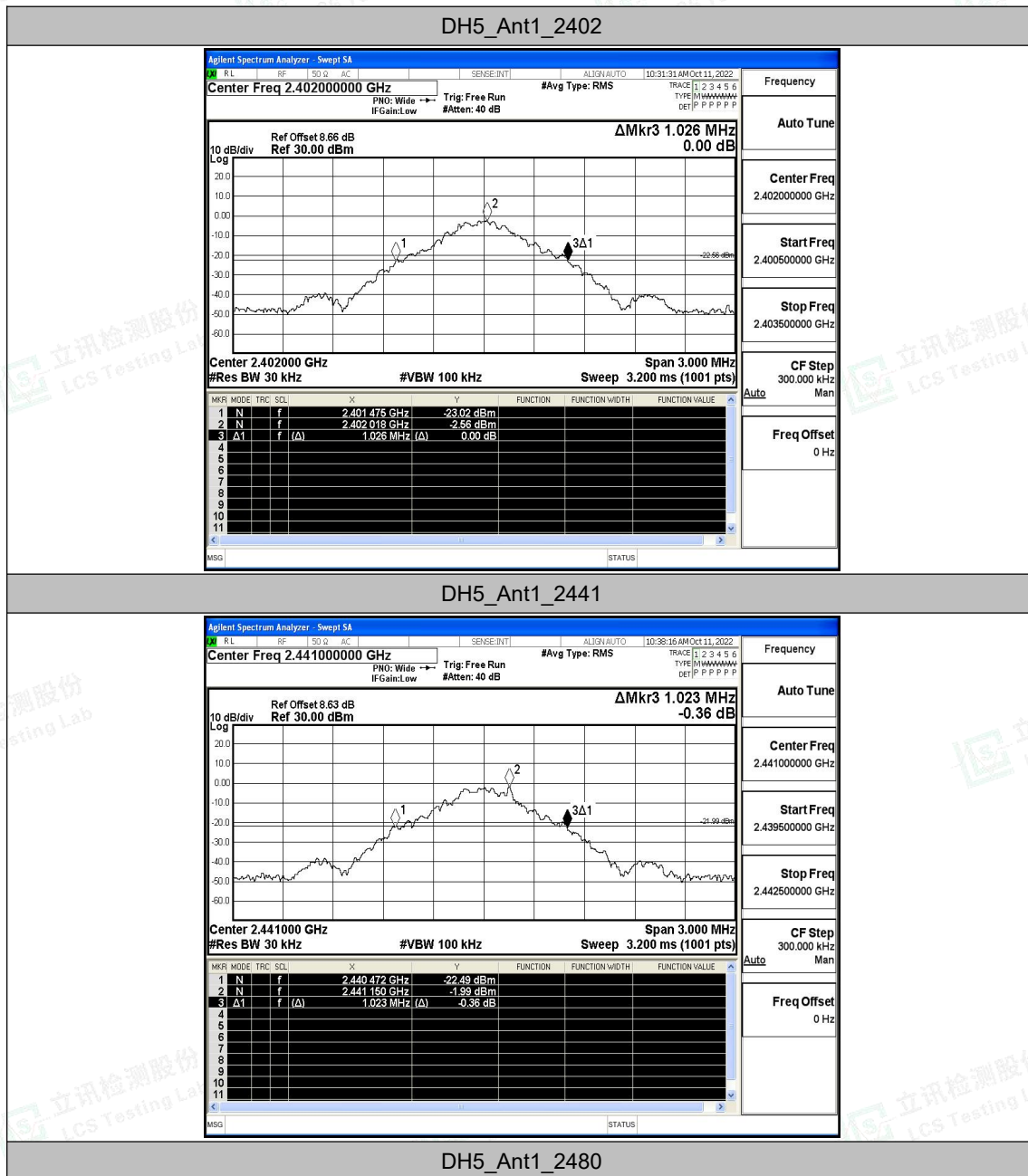
Test Result

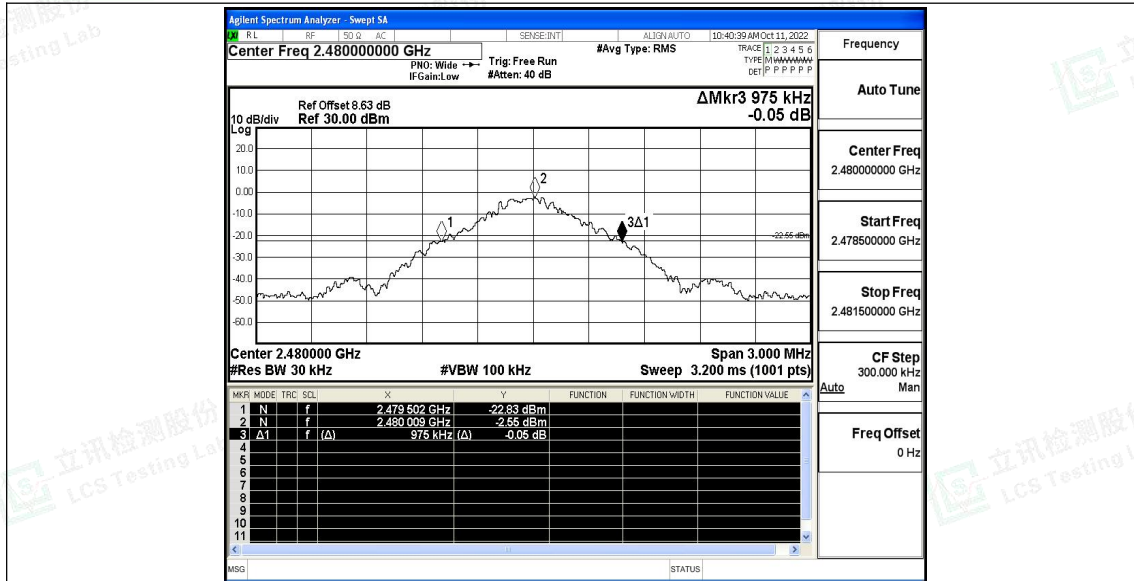
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	1.026	2401.475	2402.501	---
		2441	1.023	2440.472	2441.495	---
		2480	0.975	2479.502	2480.477	---
2DH5	Ant1	2402	1.311	2401.334	2402.645	---
		2441	1.359	2440.310	2441.669	---
		2480	1.329	2479.325	2480.654	---



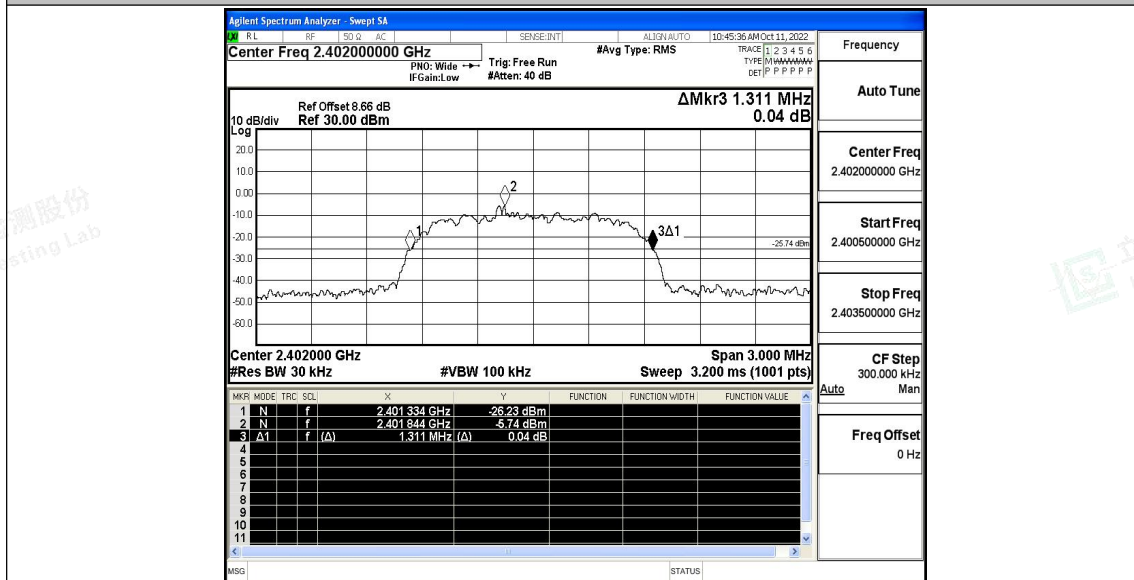


Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441

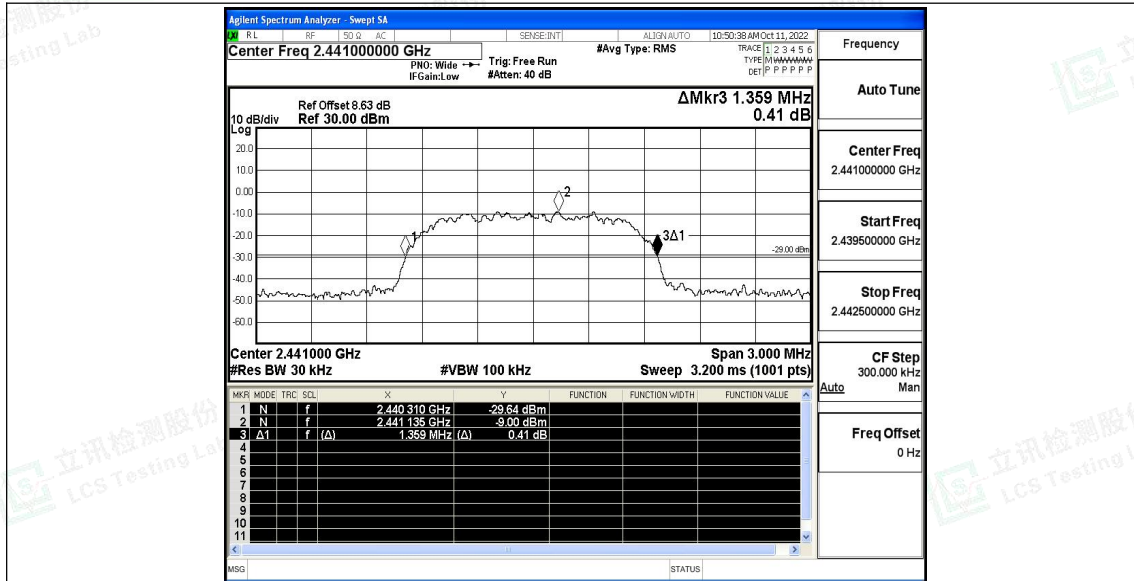


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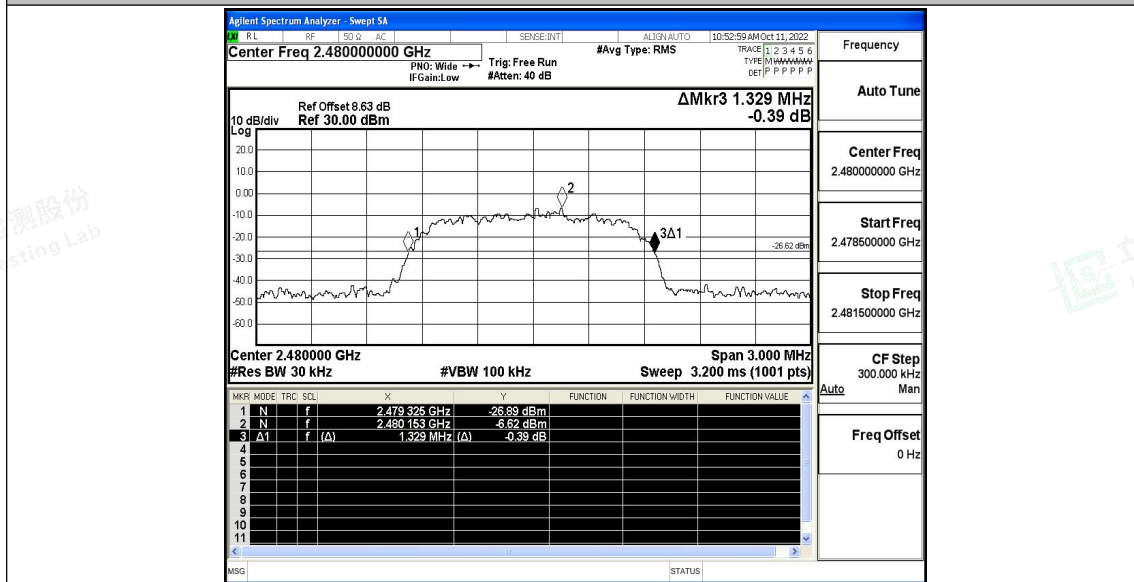
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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2DH5_Ant1_2480



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A.2 Maximum conducted output power

Test Result

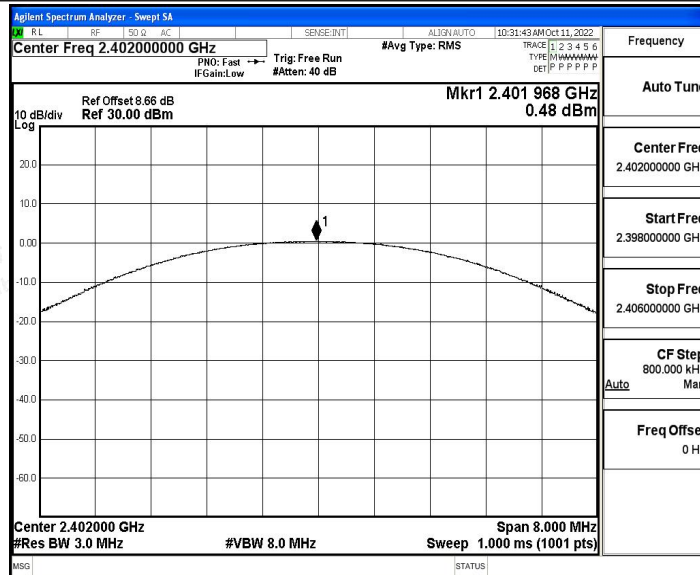
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.49	≤20.97	PASS
		2441	0.74	≤20.97	PASS
		2480	0.63	≤20.97	PASS
2DH5	Ant1	2402	0.29	≤20.97	PASS
		2441	0.33	≤20.97	PASS
		2480	0.22	≤20.97	PASS



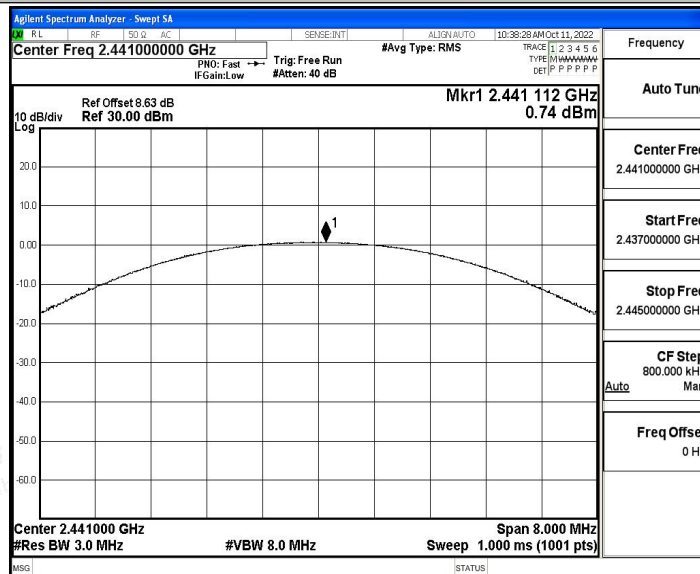


Test Graphs

DH5_Ant1_2402

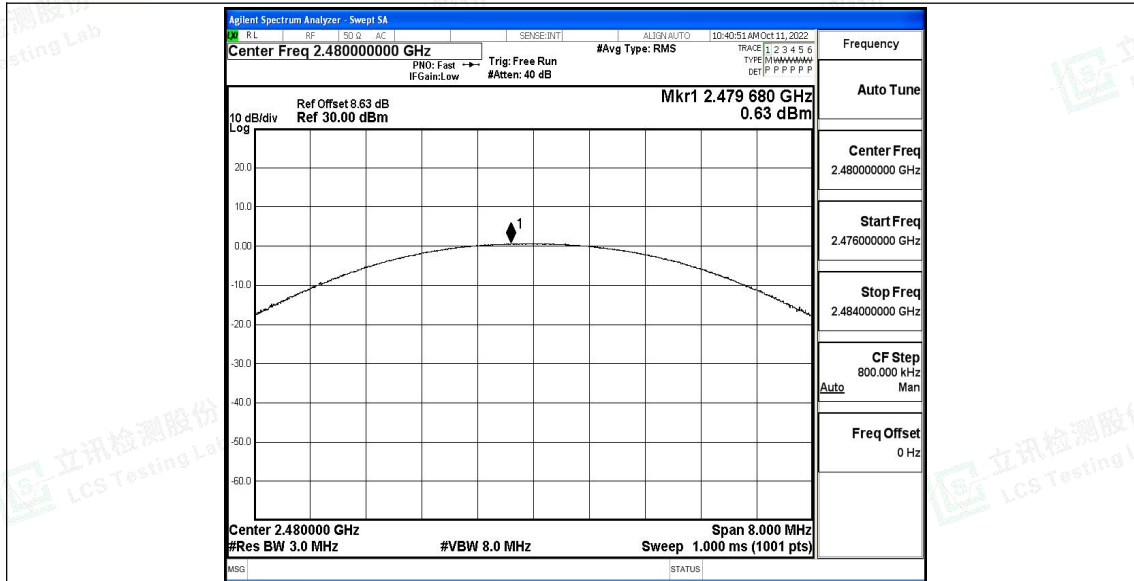


DH5_Ant1_2441

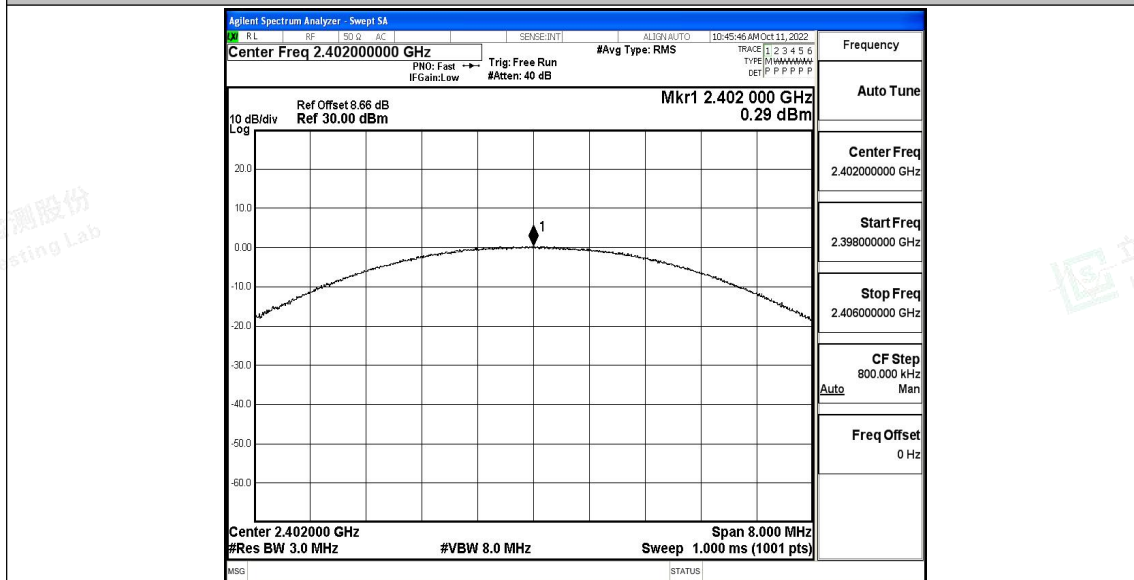


DH5_Ant1_2480



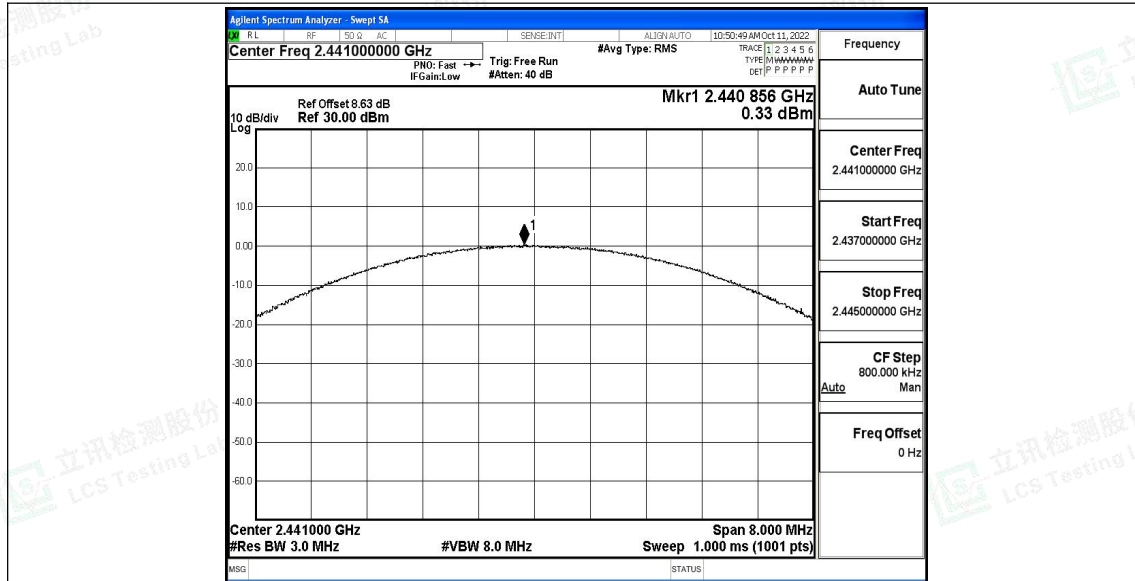


2DH5_Ant1_2402

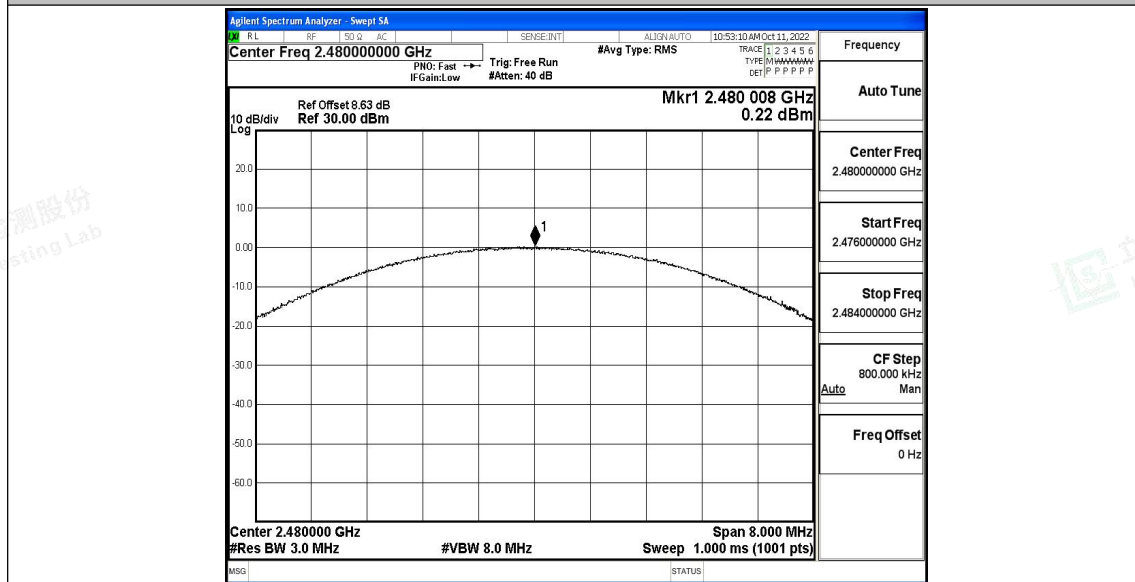


2DH5_Ant1_2441





2DH5_Ant1_2480





A.3 Carrier frequency separation

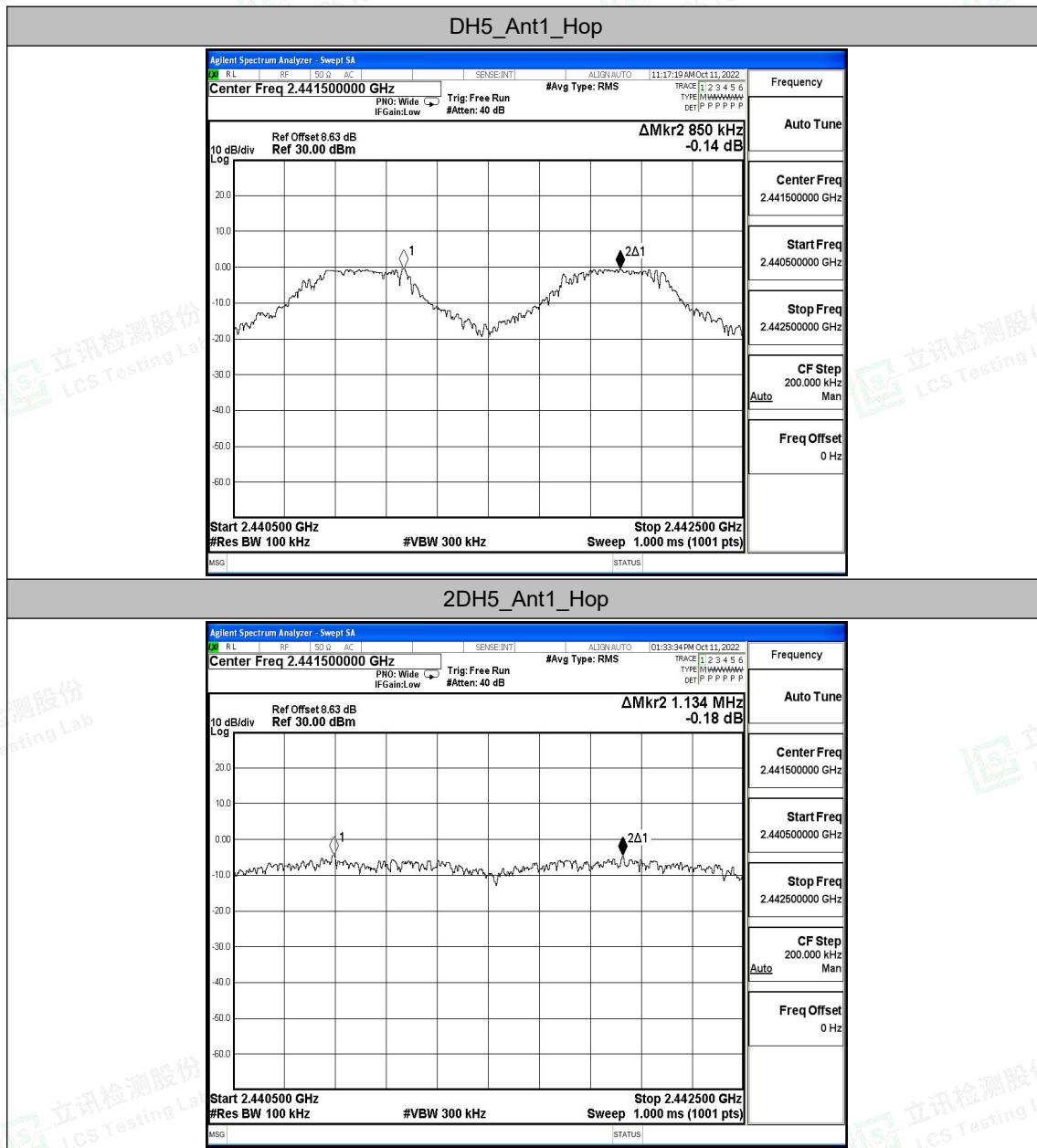
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.85	≥ 0.684	PASS
2DH5	Ant1	Hop	1.134	≥ 0.906	PASS





Test Graphs





A.4 Time of occupancy

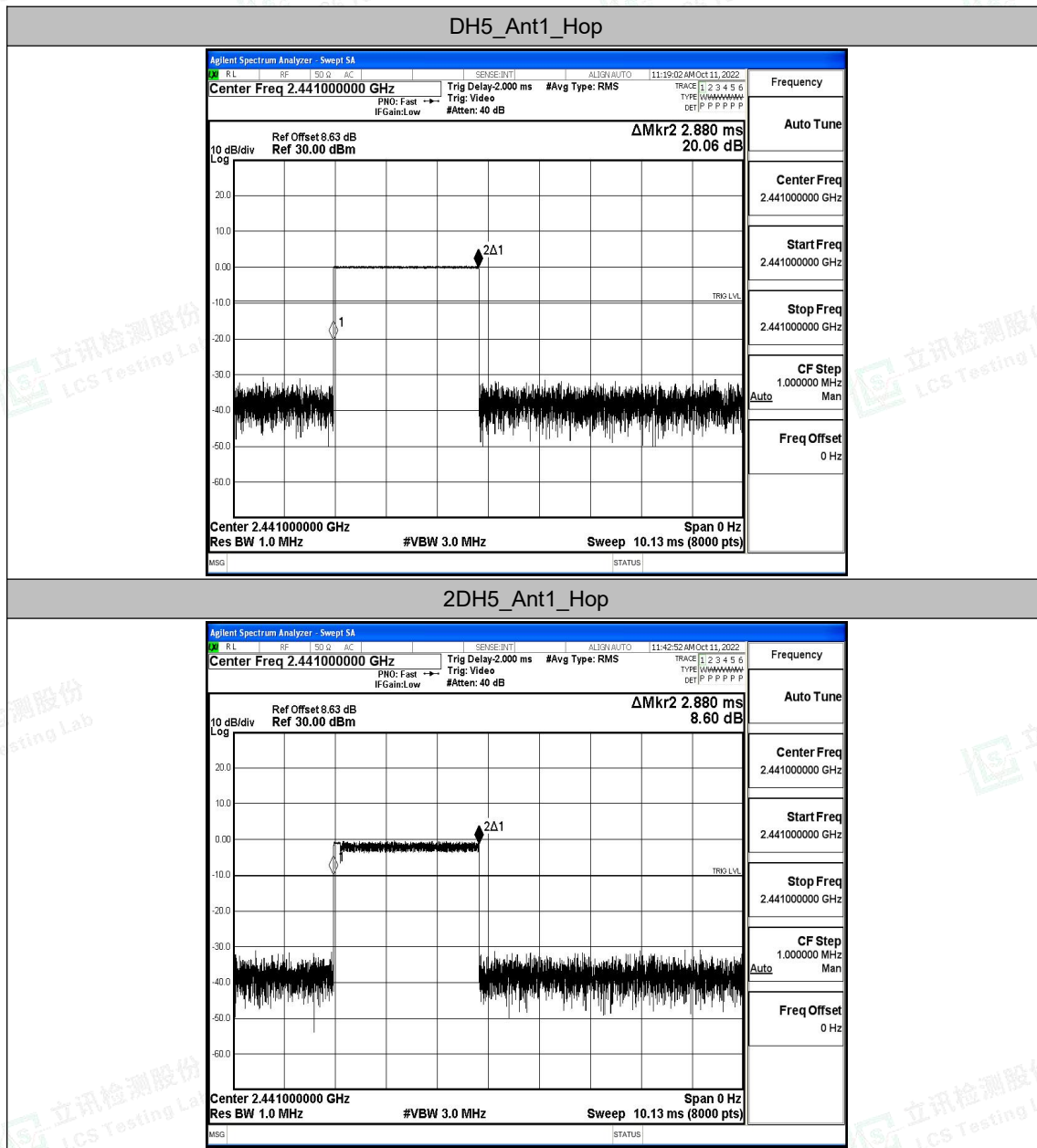
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS





Test Graphs





A.5 Number of hopping channels

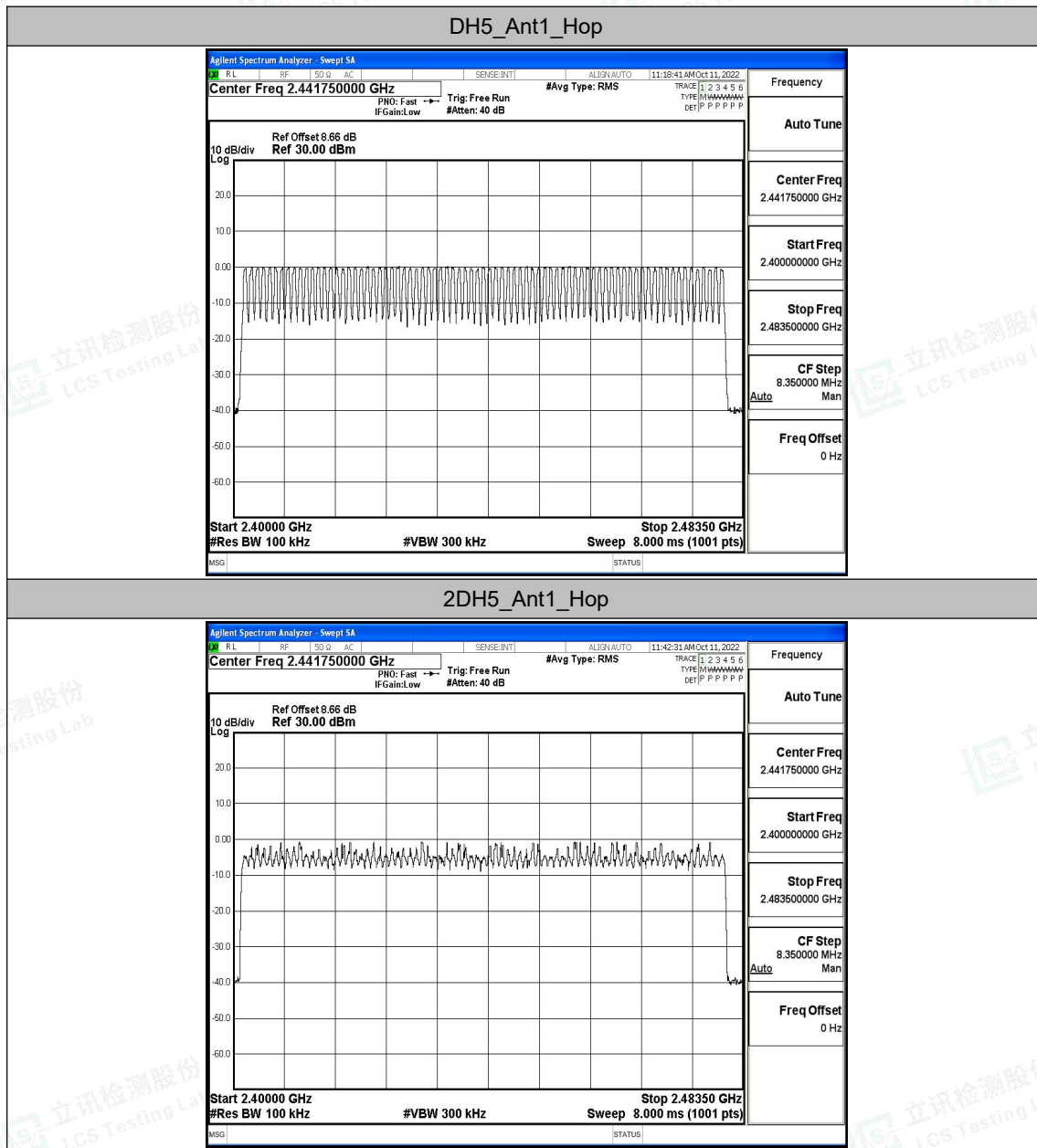
Test Result

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





Test Graphs





A.6 Band edge measurements

Test Result

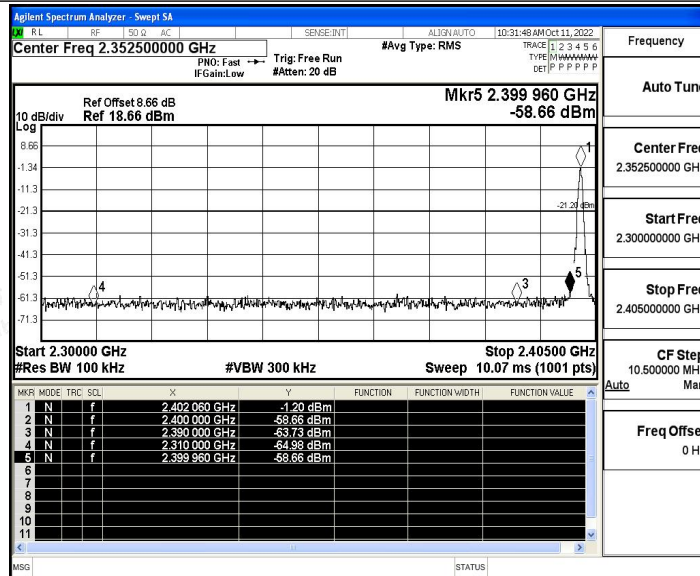
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.20	-58.66	≤-21.2	PASS
		High	2480	-0.92	-59.08	≤-20.92	PASS
		Low	2402	-0.57	-58.97	≤-20.57	PASS
		High	2480	-0.17	-43	≤-20.17	PASS
2DH5	Ant1	Low	2402	-4.72	-58.98	≤-24.72	PASS
		High	2480	-5.57	-58.99	≤-25.57	PASS
		Low	2402	-1.45	-59.04	≤-21.45	PASS
		High	2480	-1.70	-51.78	≤-21.7	PASS



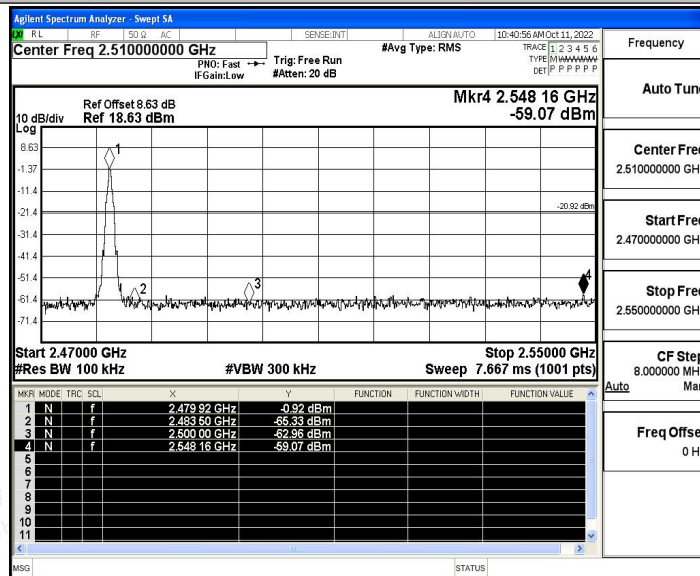


Test Graphs

DH5_Ant1_Low_2402

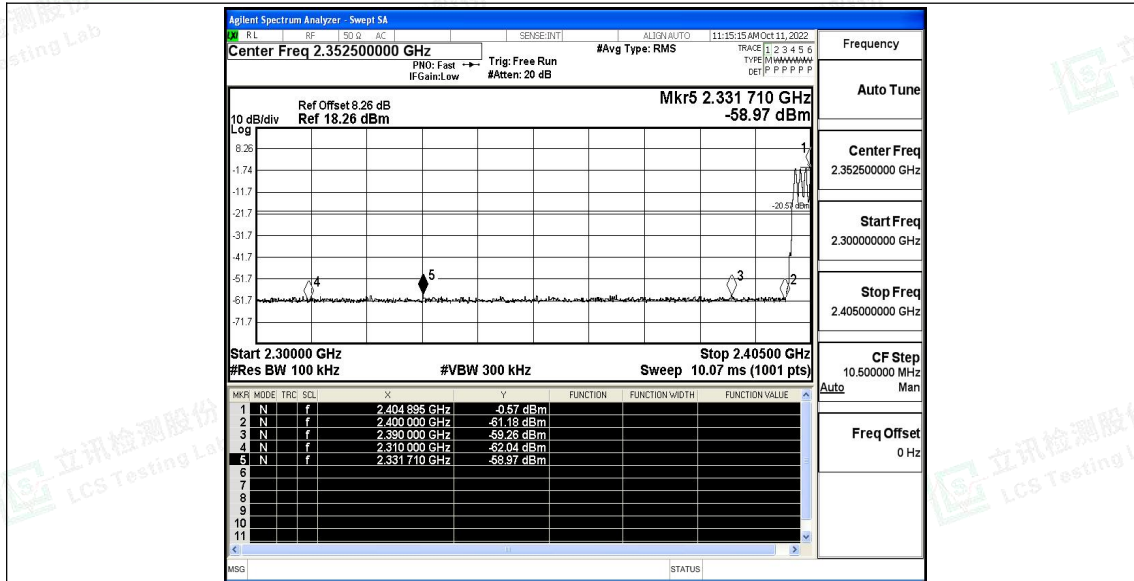


DH5_Ant1_High_2480

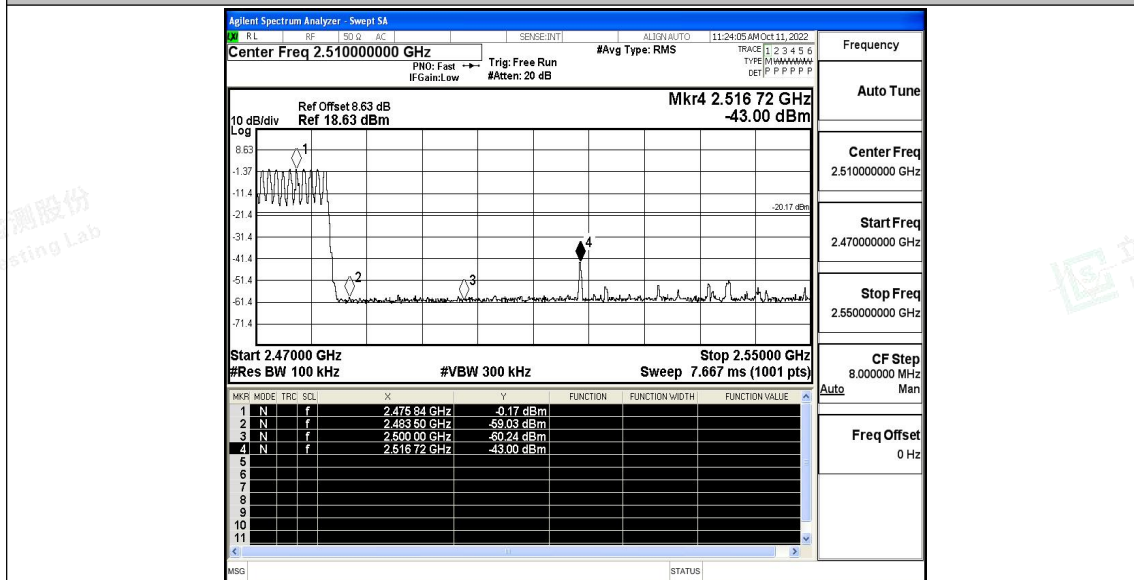


DH5_Ant1_Low_Hop_2402





DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

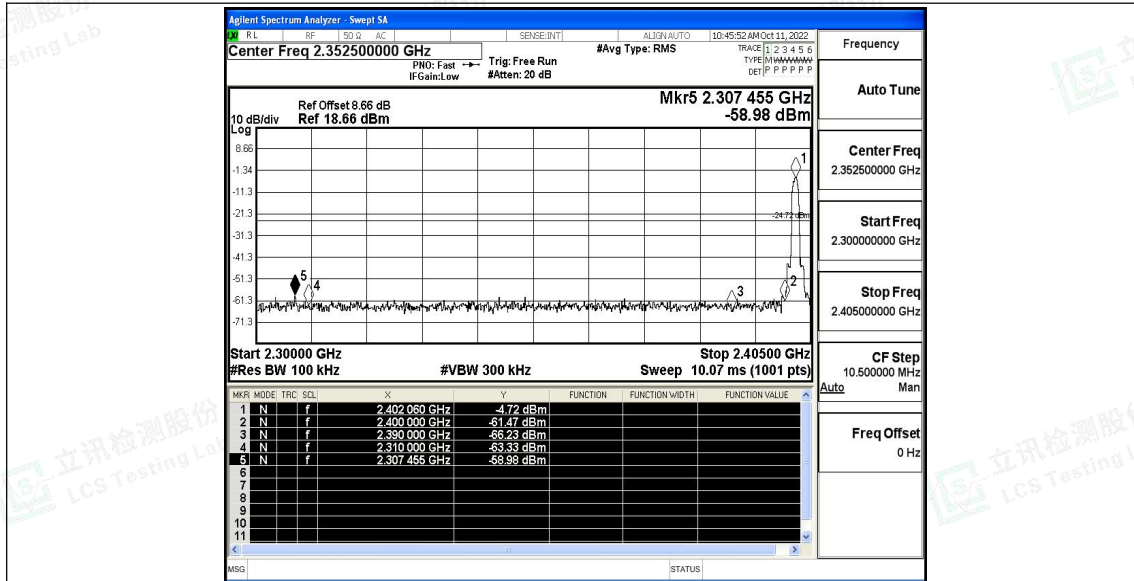


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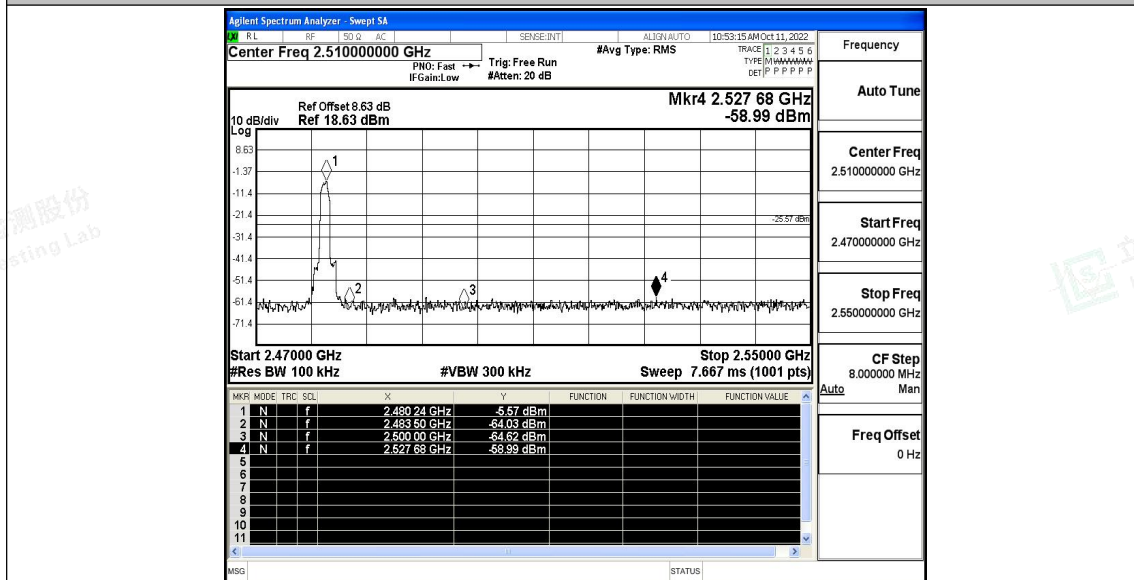
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

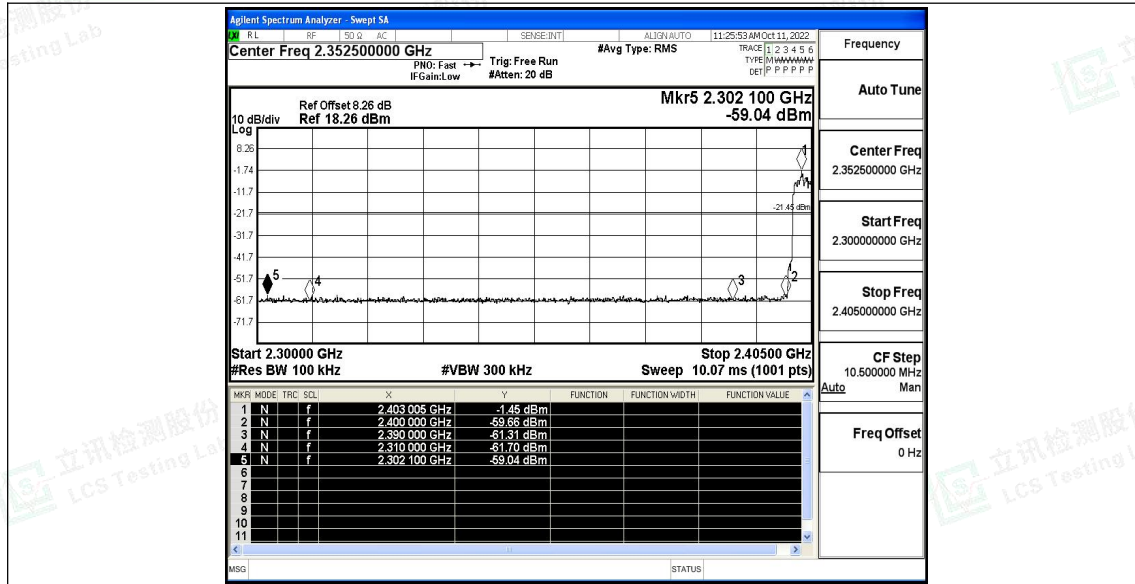


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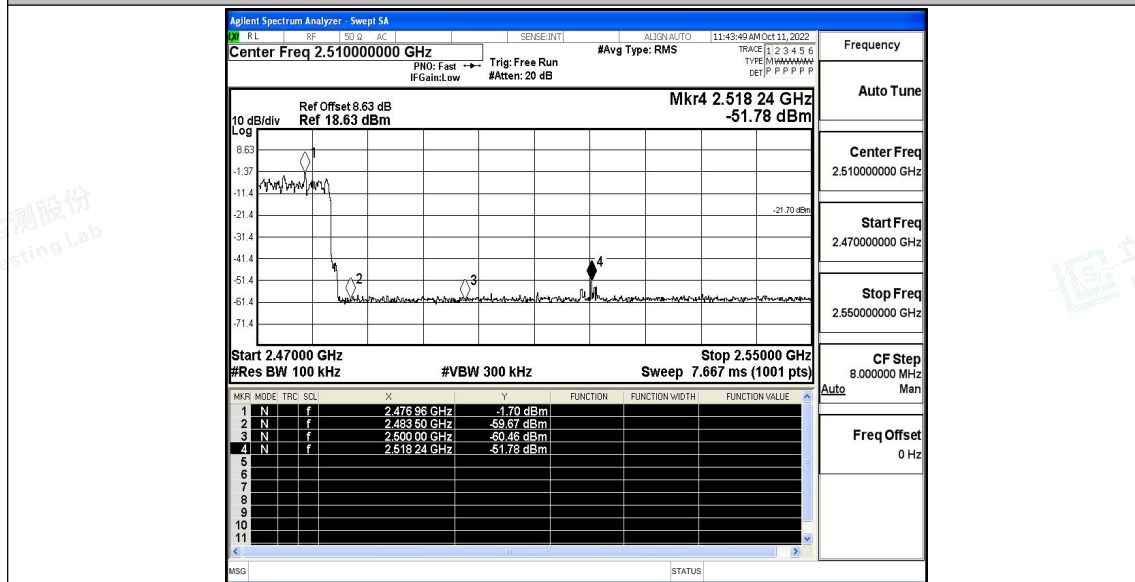
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2DH5_Ant1_High_Hop_2480



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