



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Wireless Bluetooth handset

Test Model: CIP-291-HS

Environmental Conditions

Temperature:	23.6°C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



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A.1 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.026	2401.487	2402.513	---	---
DH5	Ant1	2441	0.984	2440.529	2441.513	---	---
DH5	Ant1	2480	0.963	2479.538	2480.501	---	---
2DH5	Ant1	2402	1.293	2401.361	2402.654	---	---
2DH5	Ant1	2441	1.323	2440.337	2441.660	---	---
2DH5	Ant1	2480	1.344	2479.328	2480.672	---	---
3DH5	Ant1	2402	1.320	2401.343	2402.663	---	---
3DH5	Ant1	2441	1.305	2440.346	2441.651	---	---
3DH5	Ant1	2480	1.308	2479.337	2480.645	---	---



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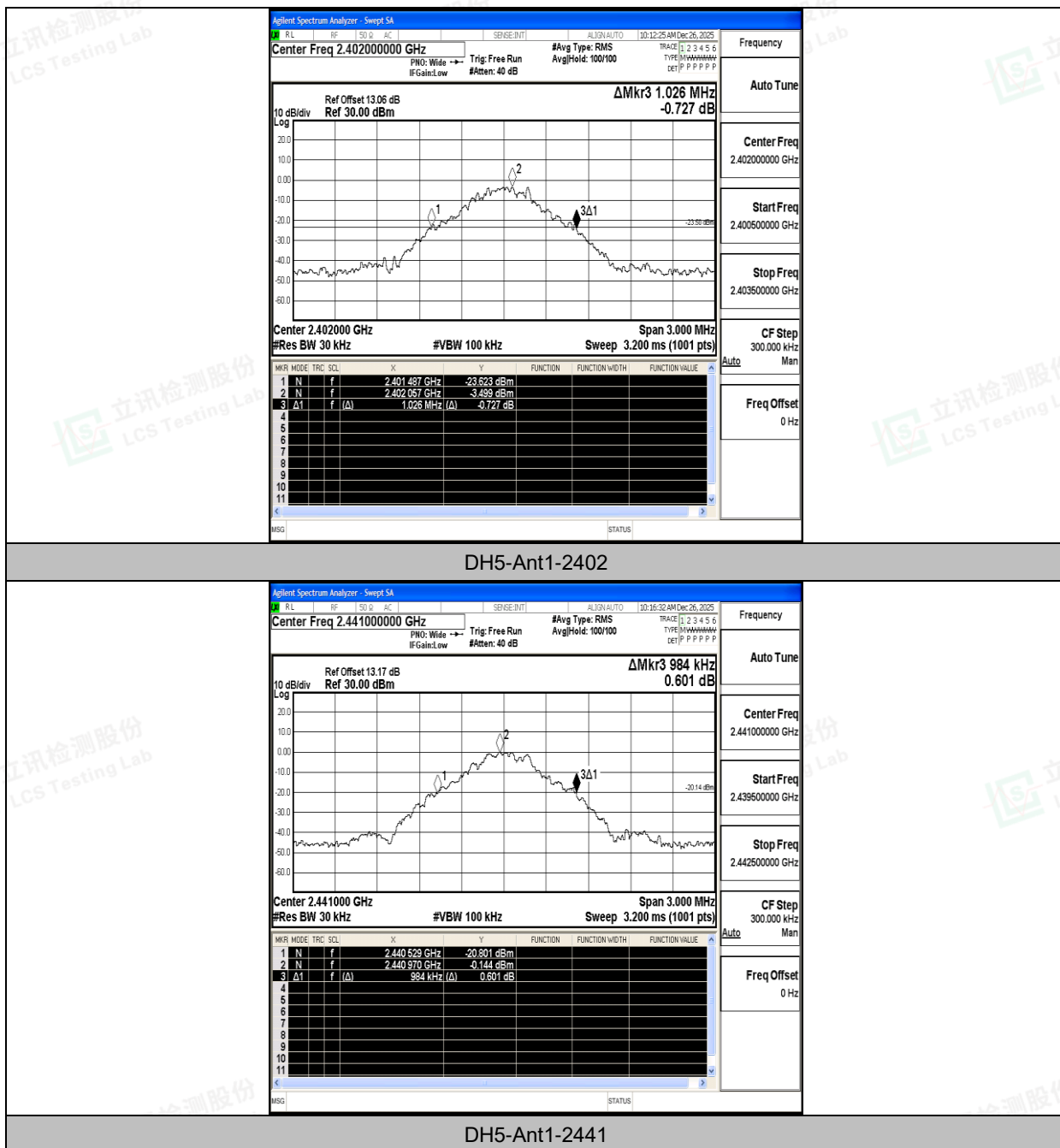
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Test Graphs

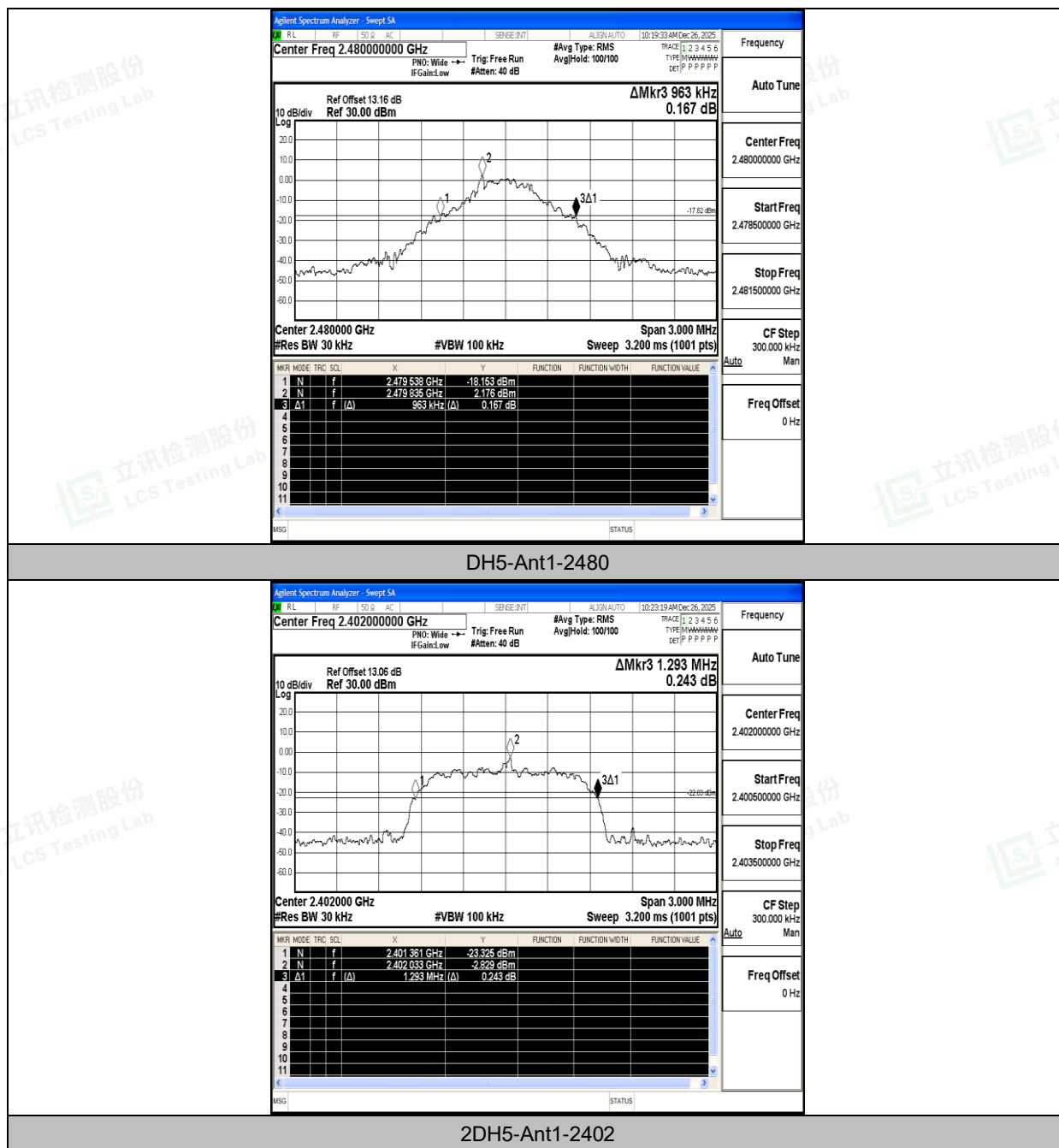


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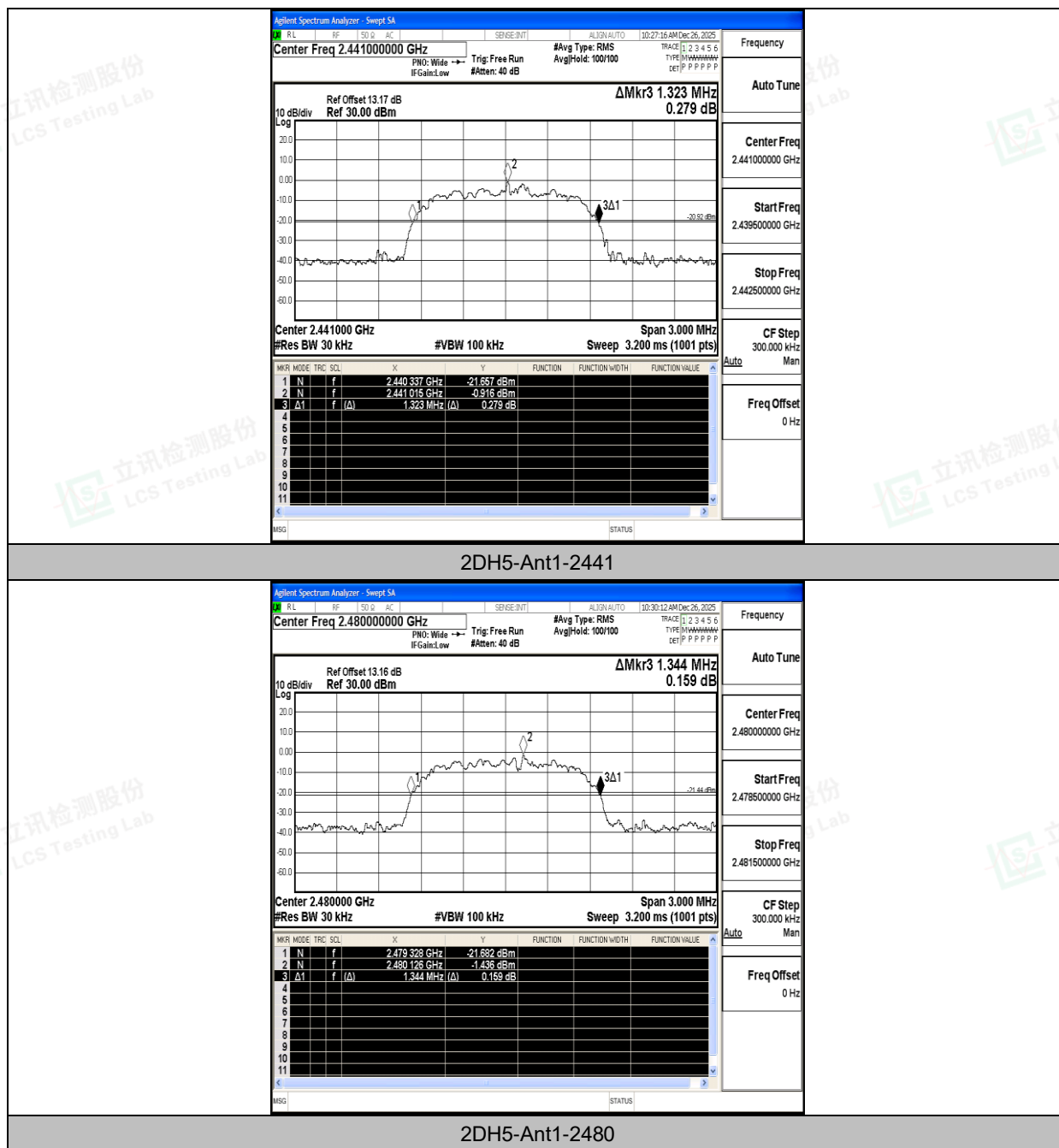


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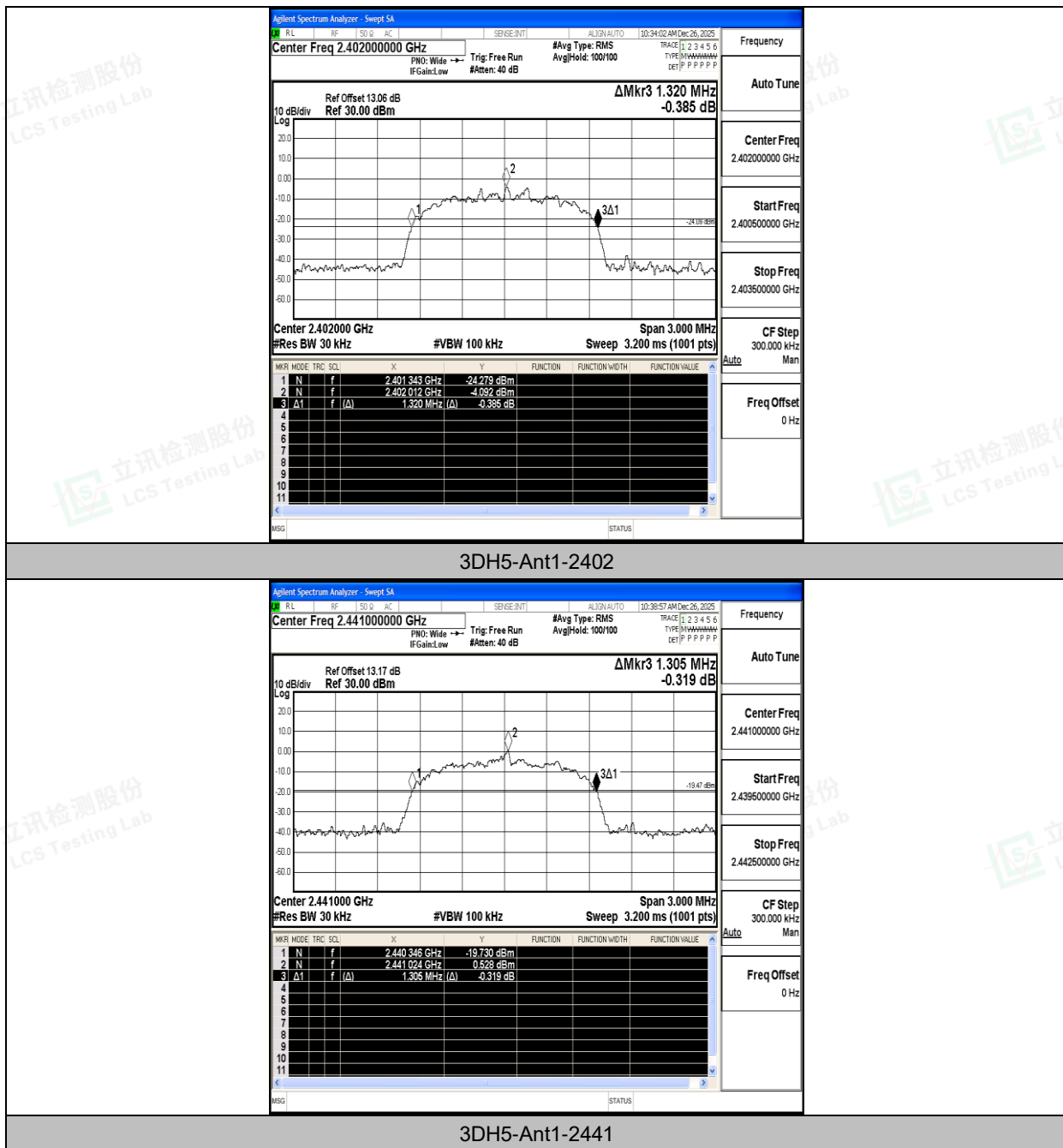


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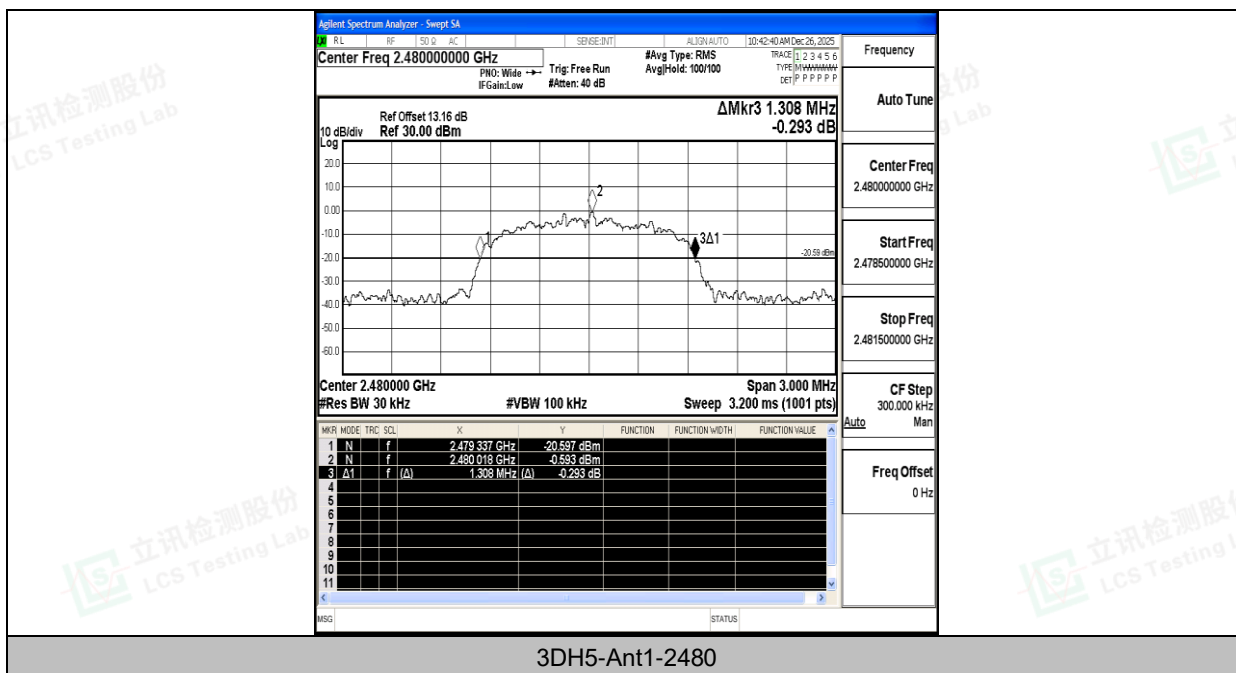


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A.2 Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.02	≤20.97	PASS
DH5	Ant1	2441	3.07	≤20.97	PASS
DH5	Ant1	2480	3.83	≤20.97	PASS
2DH5	Ant1	2402	1.39	≤20.97	PASS
2DH5	Ant1	2441	4.36	≤20.97	PASS
2DH5	Ant1	2480	4.73	≤20.97	PASS
3DH5	Ant1	2402	1.69	≤20.97	PASS
3DH5	Ant1	2441	4.50	≤20.97	PASS
3DH5	Ant1	2480	4.85	≤20.97	PASS



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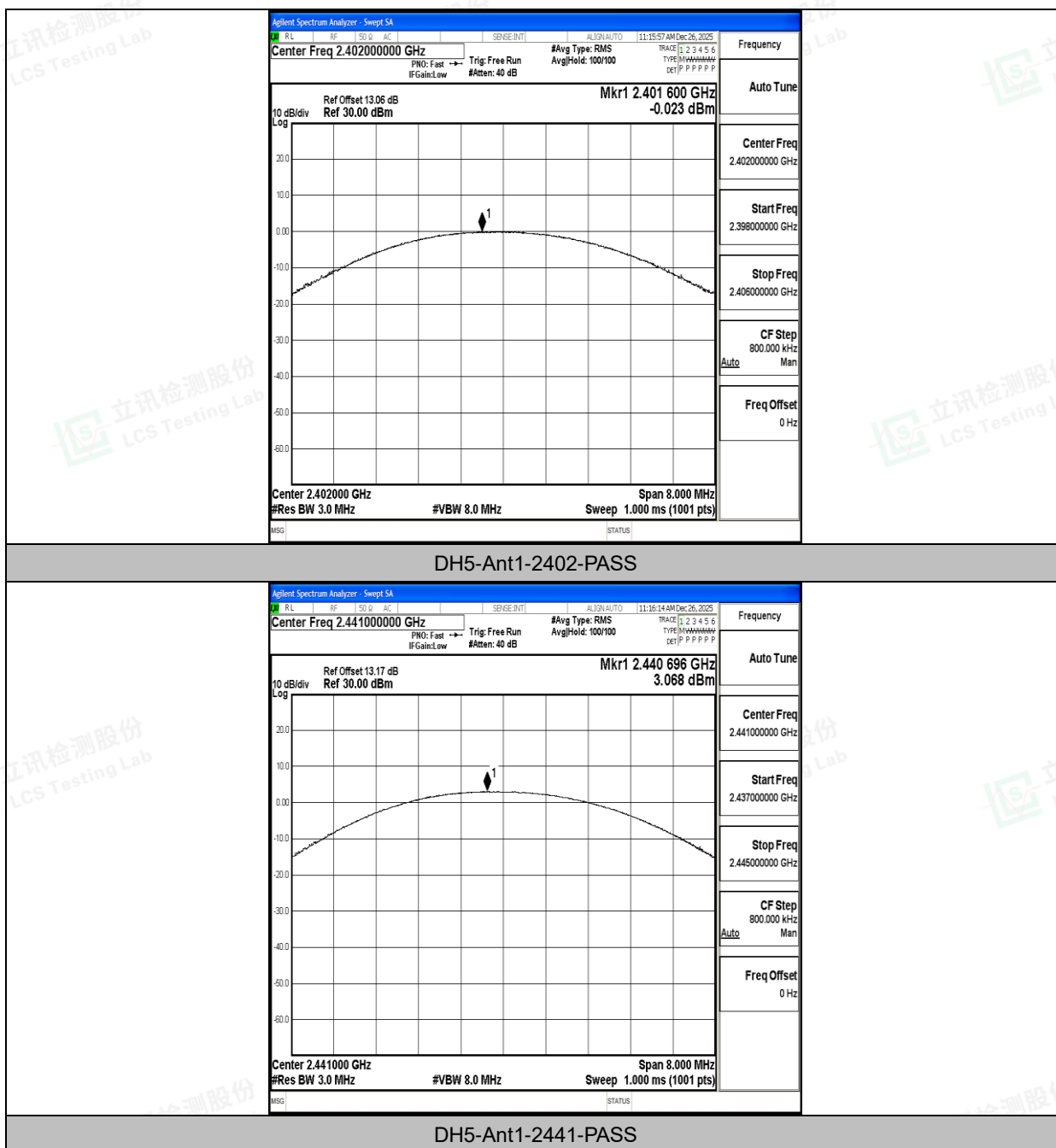
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Test Graphs

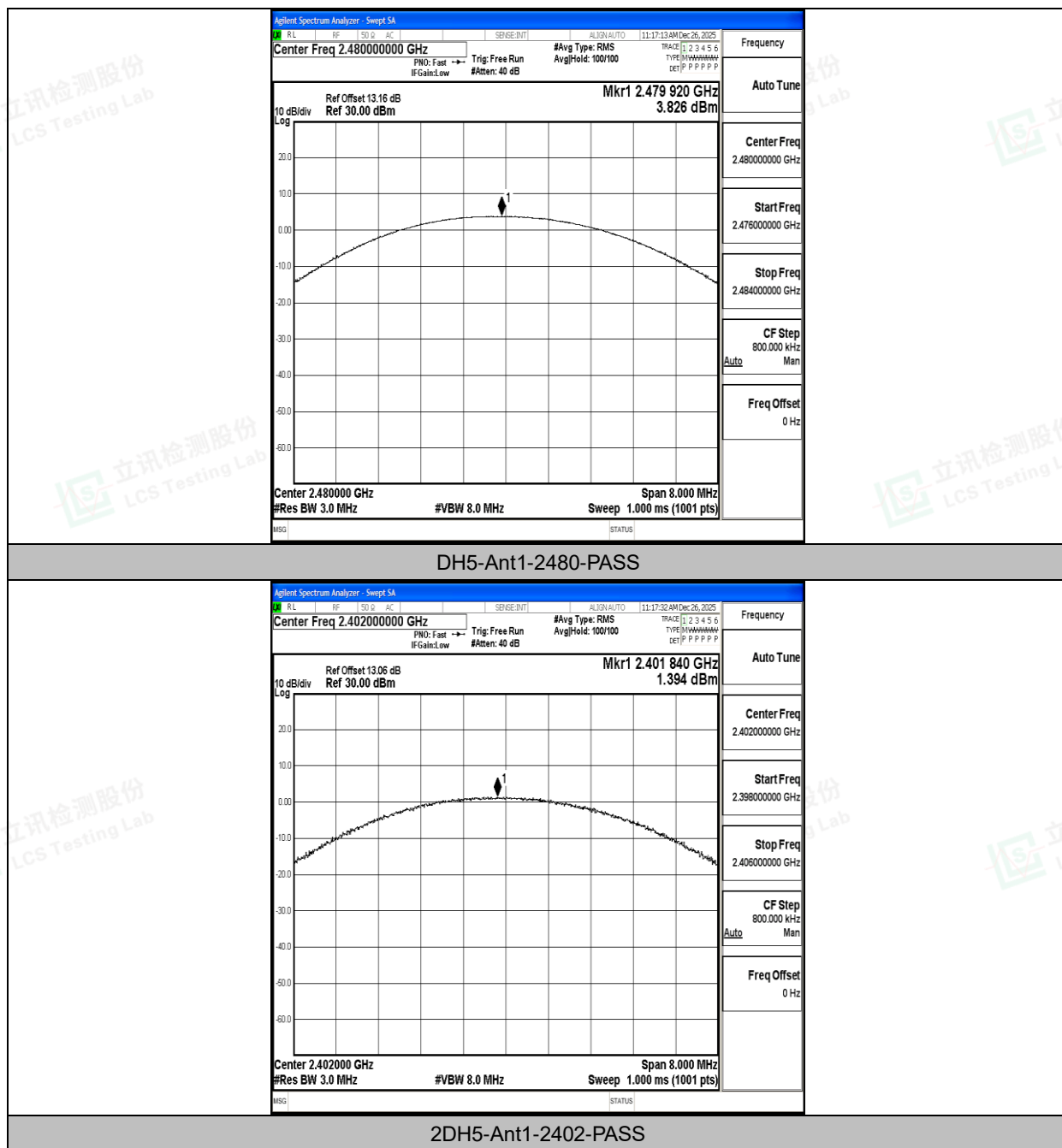


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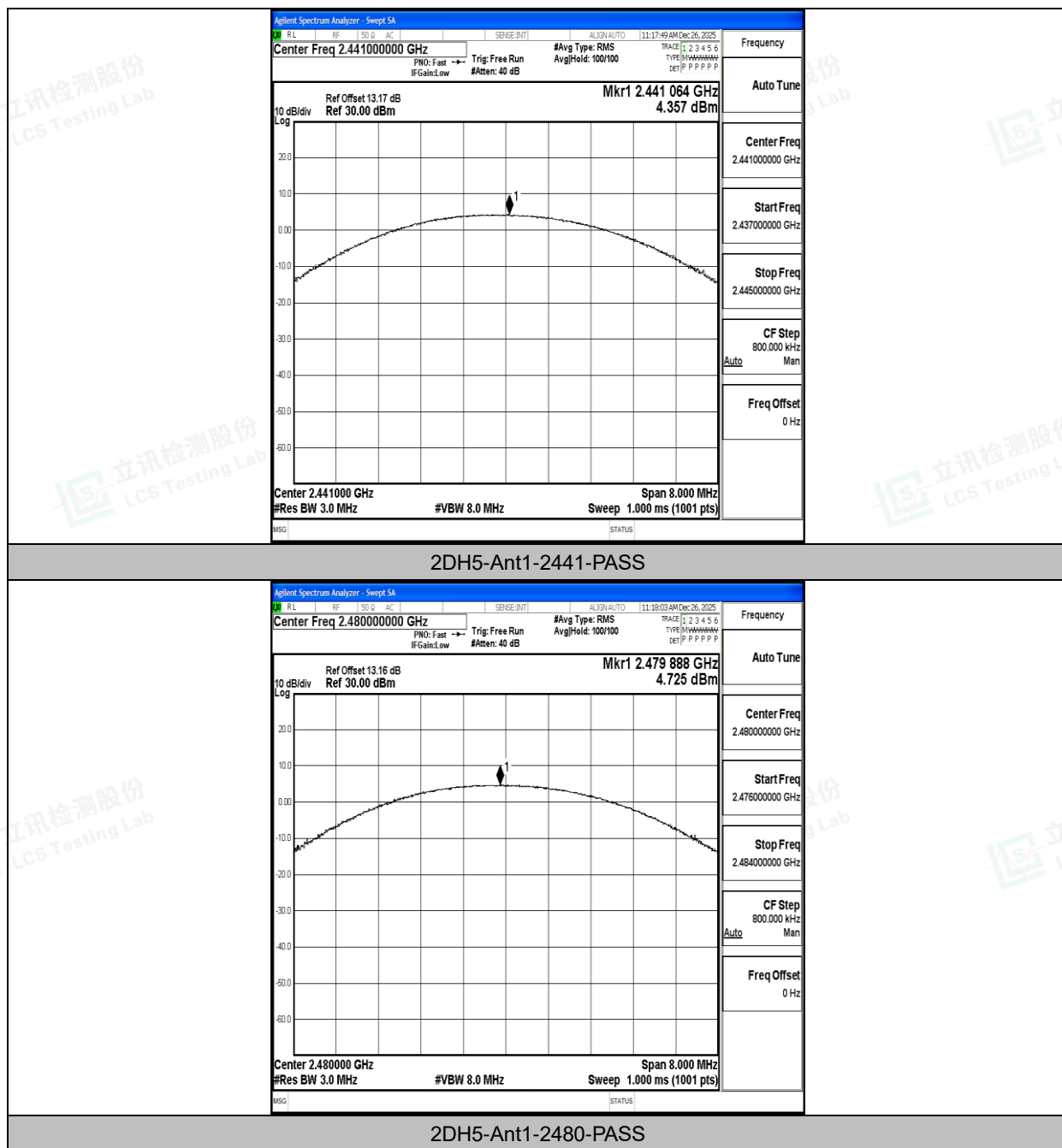


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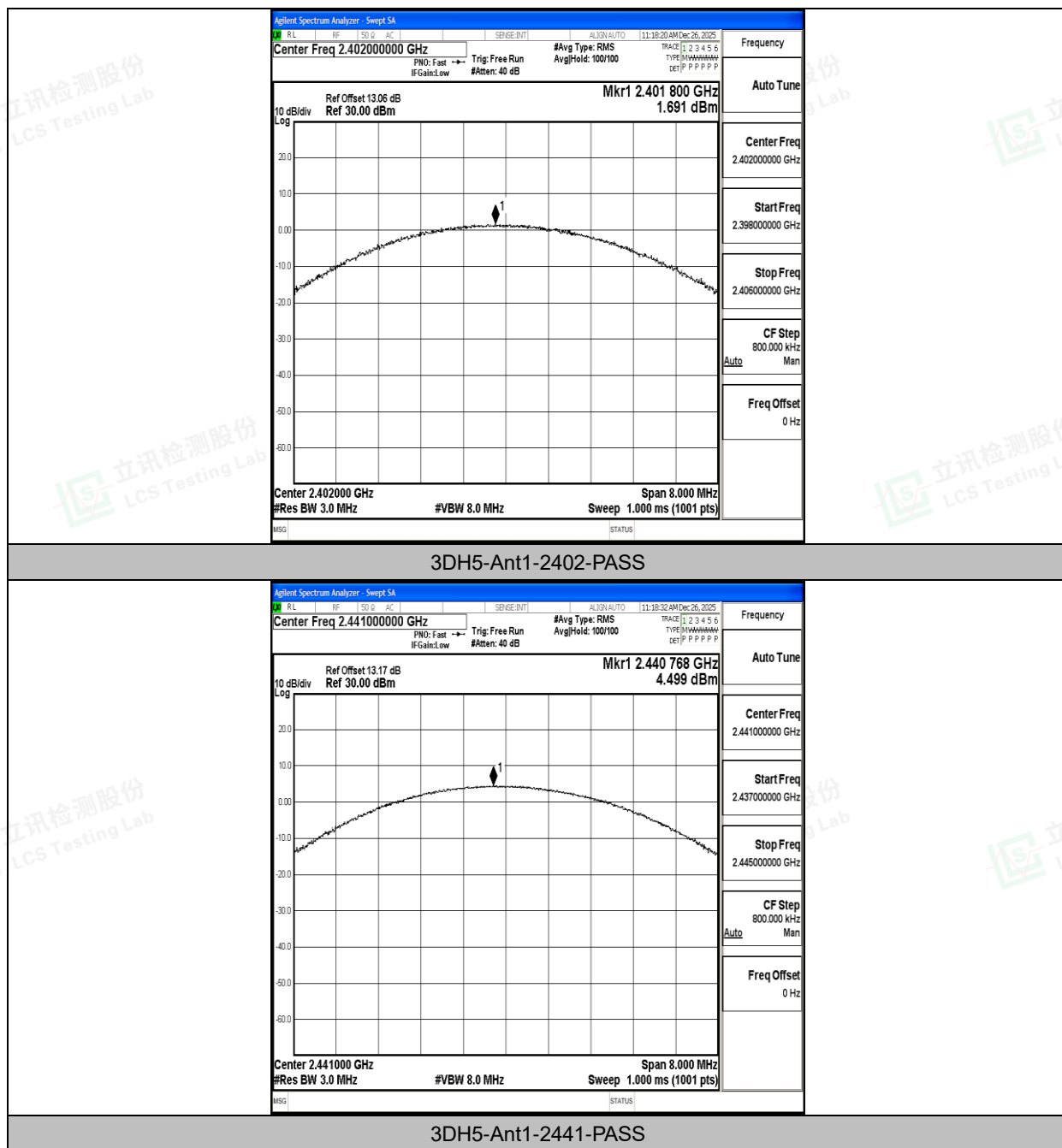


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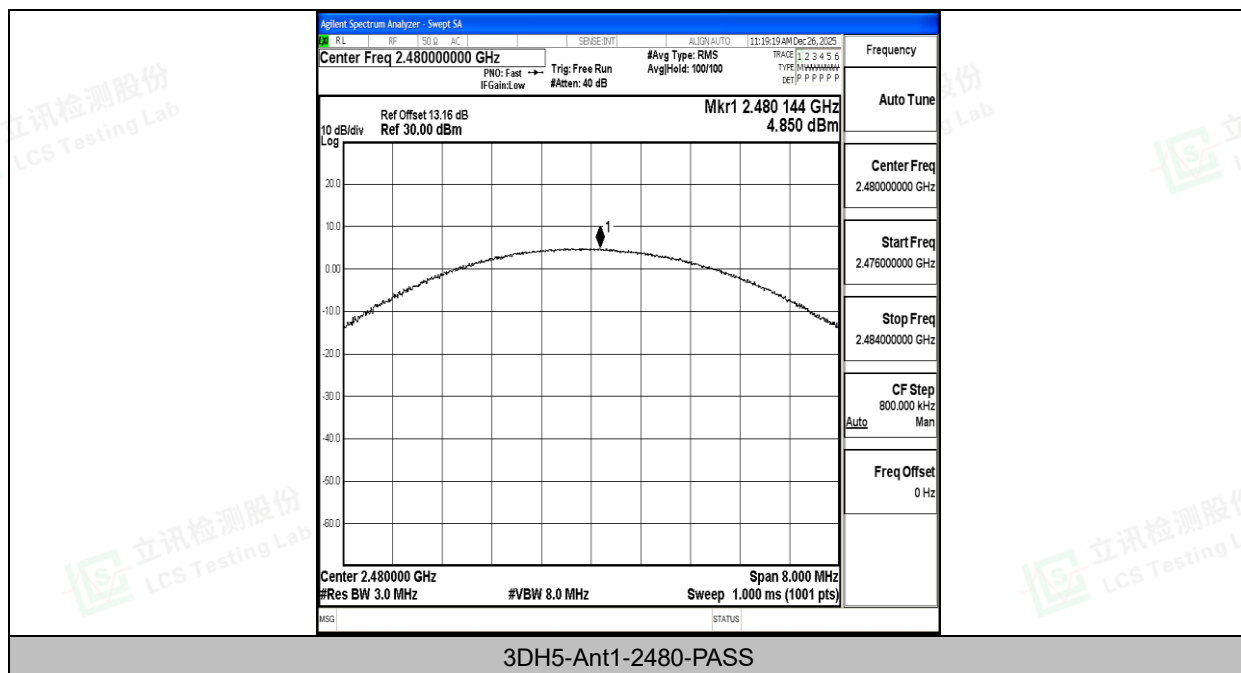


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A.3 Carrier frequency separation

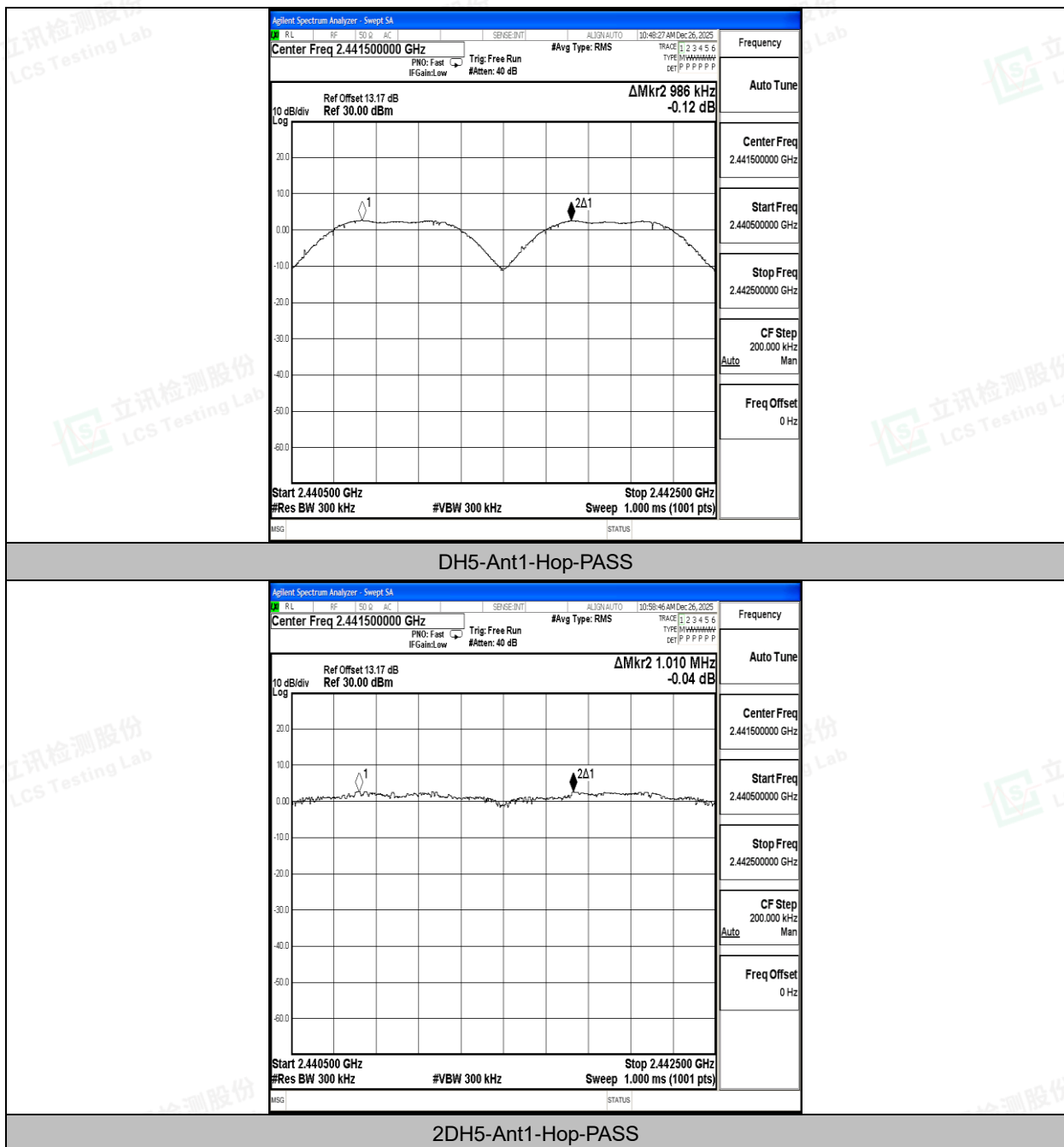
Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.986	≥0.684	PASS
2DH5	Ant1	Hop	1.01	≥0.896	PASS
3DH5	Ant1	Hop	1.008	≥0.880	PASS





Test Graphs

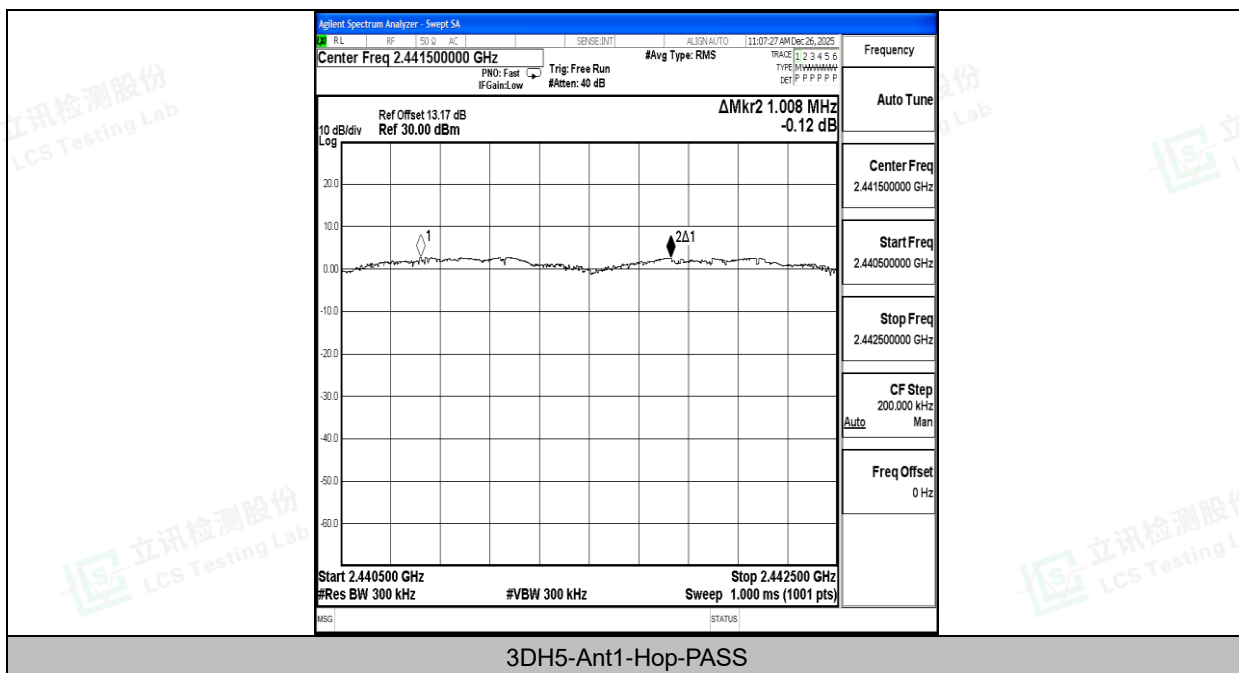


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A.4 Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.403	330	0.133	≤0.4	PASS
DH3	Ant1	Hop	1.659	190	0.315	≤0.4	PASS
DH5	Ant1	Hop	2.908	110	0.32	≤0.4	PASS
2DH1	Ant1	Hop	0.398	320	0.127	≤0.4	PASS
2DH3	Ant1	Hop	1.649	150	0.247	≤0.4	PASS
2DH5	Ant1	Hop	2.896	50	0.145	≤0.4	PASS
3DH1	Ant1	Hop	0.394	320	0.126	≤0.4	PASS
3DH3	Ant1	Hop	1.645	170	0.28	≤0.4	PASS
3DH5	Ant1	Hop	2.896	110	0.319	≤0.4	PASS



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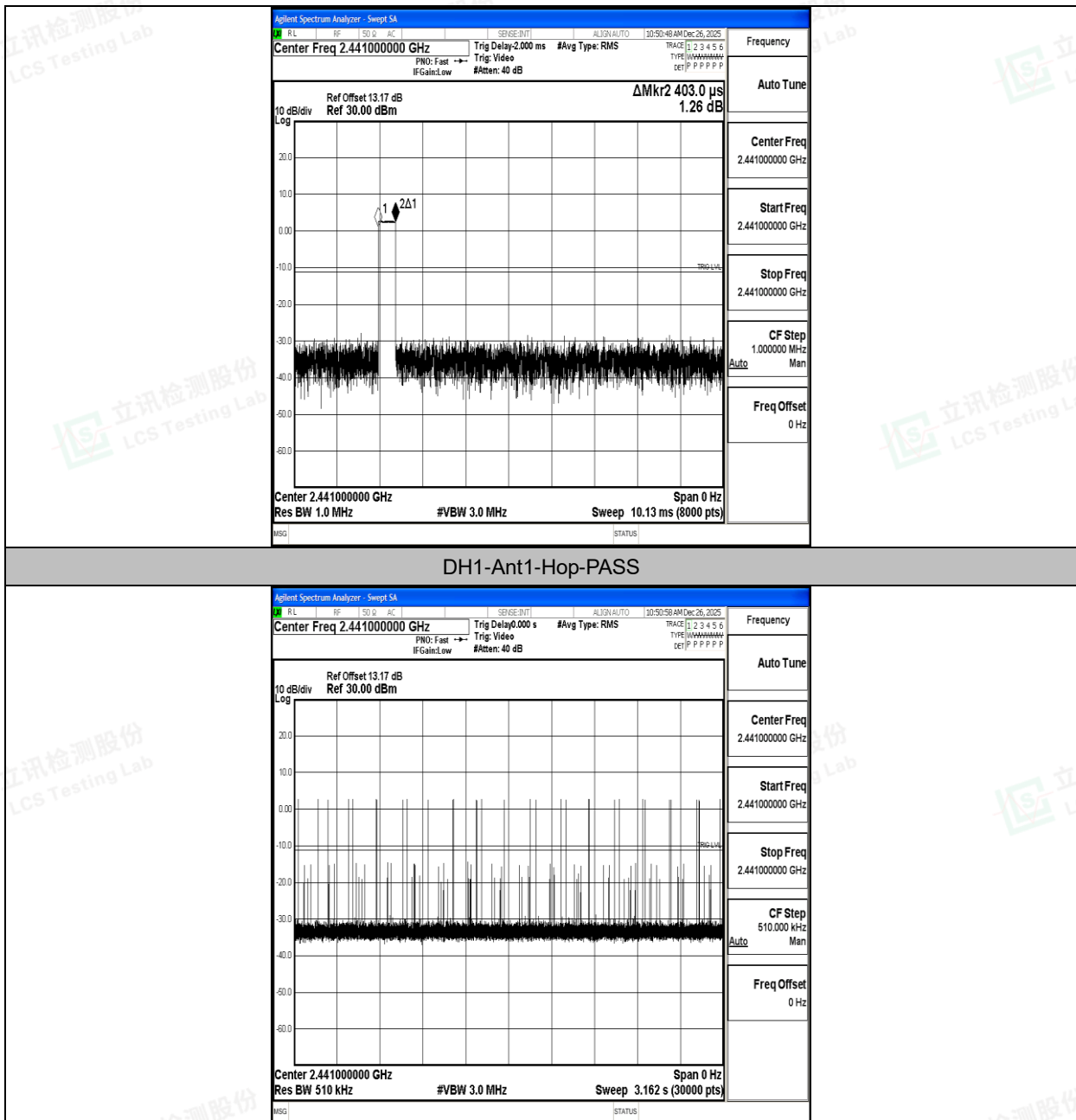
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Test Graphs

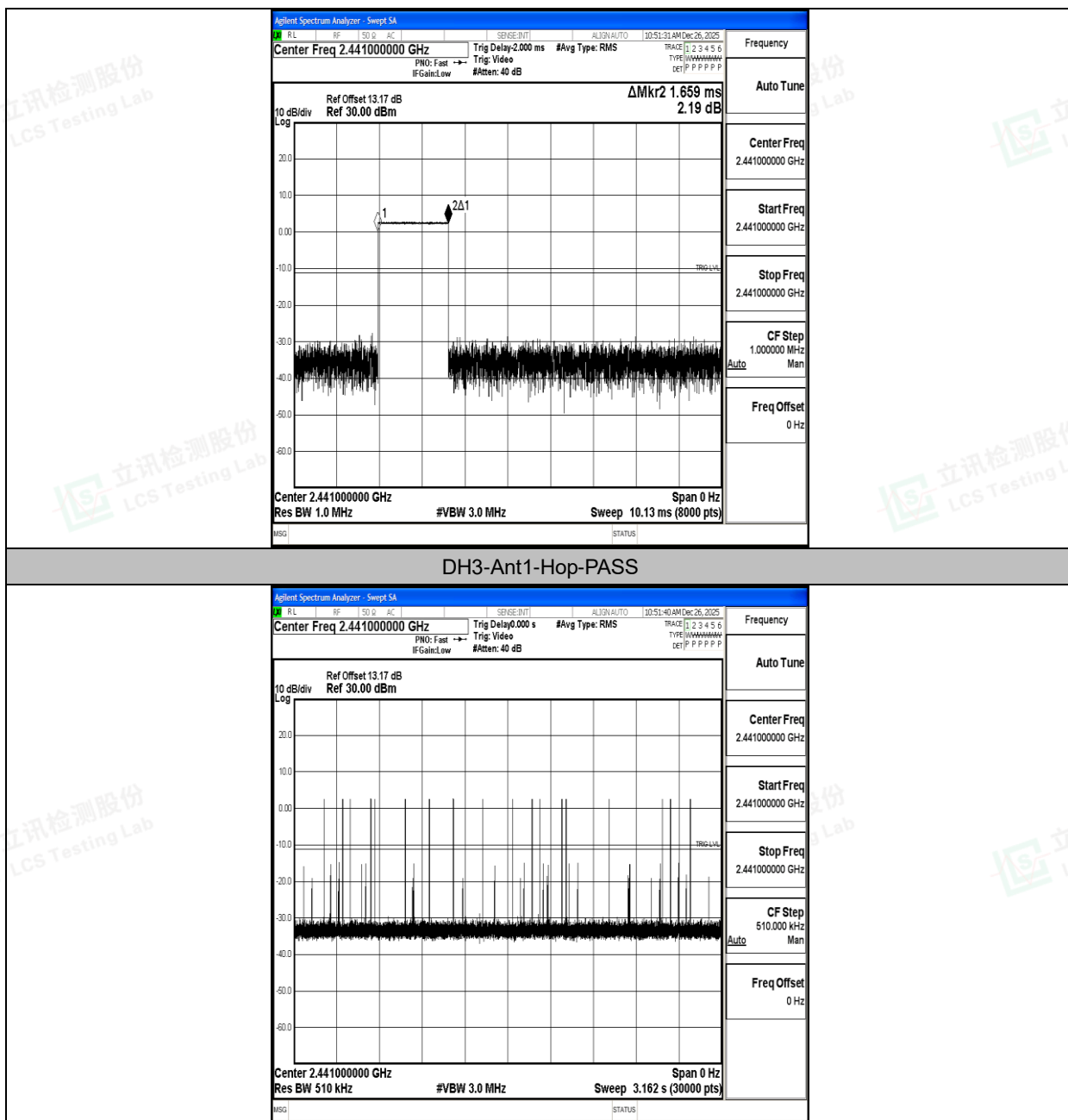


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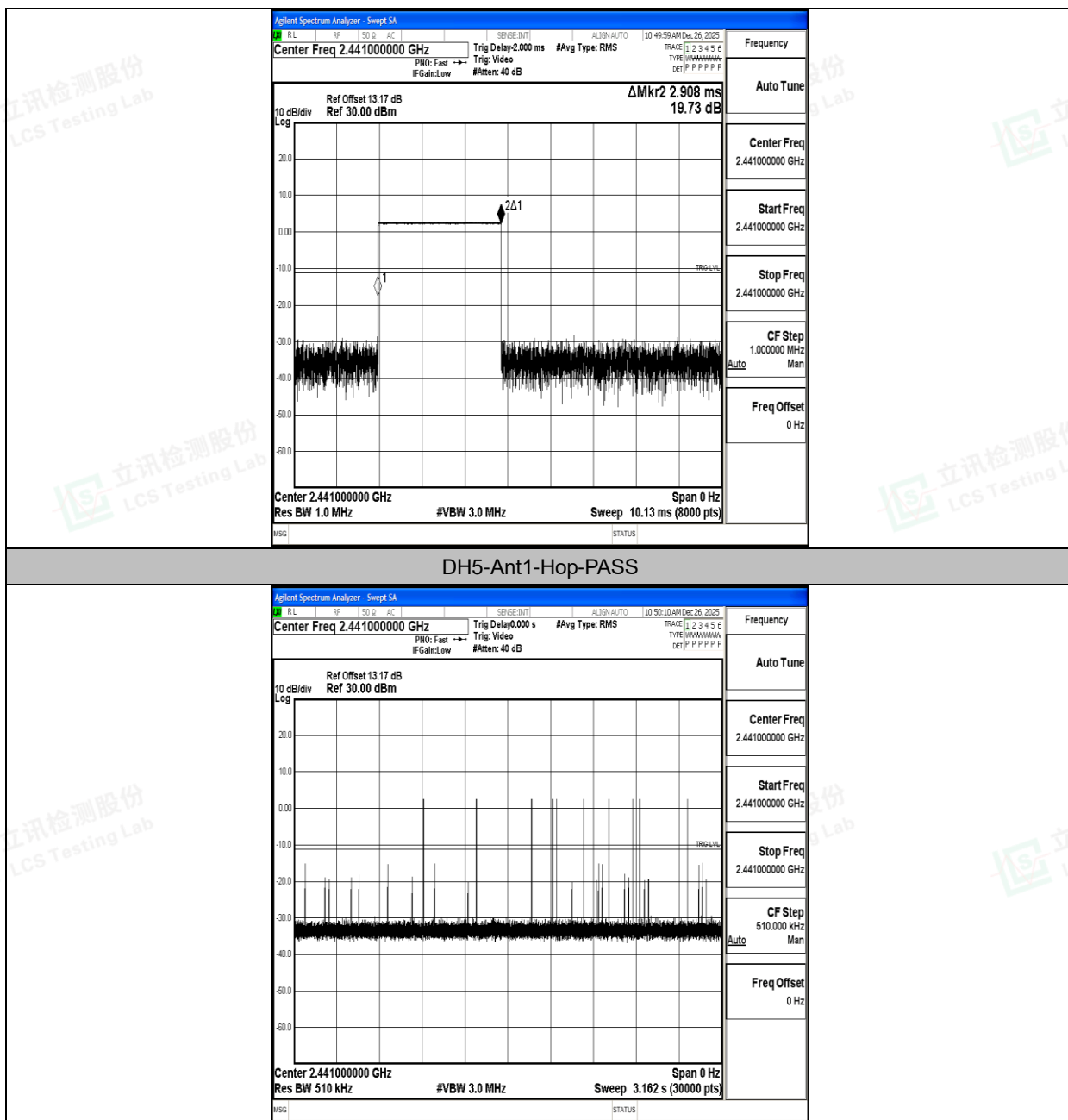


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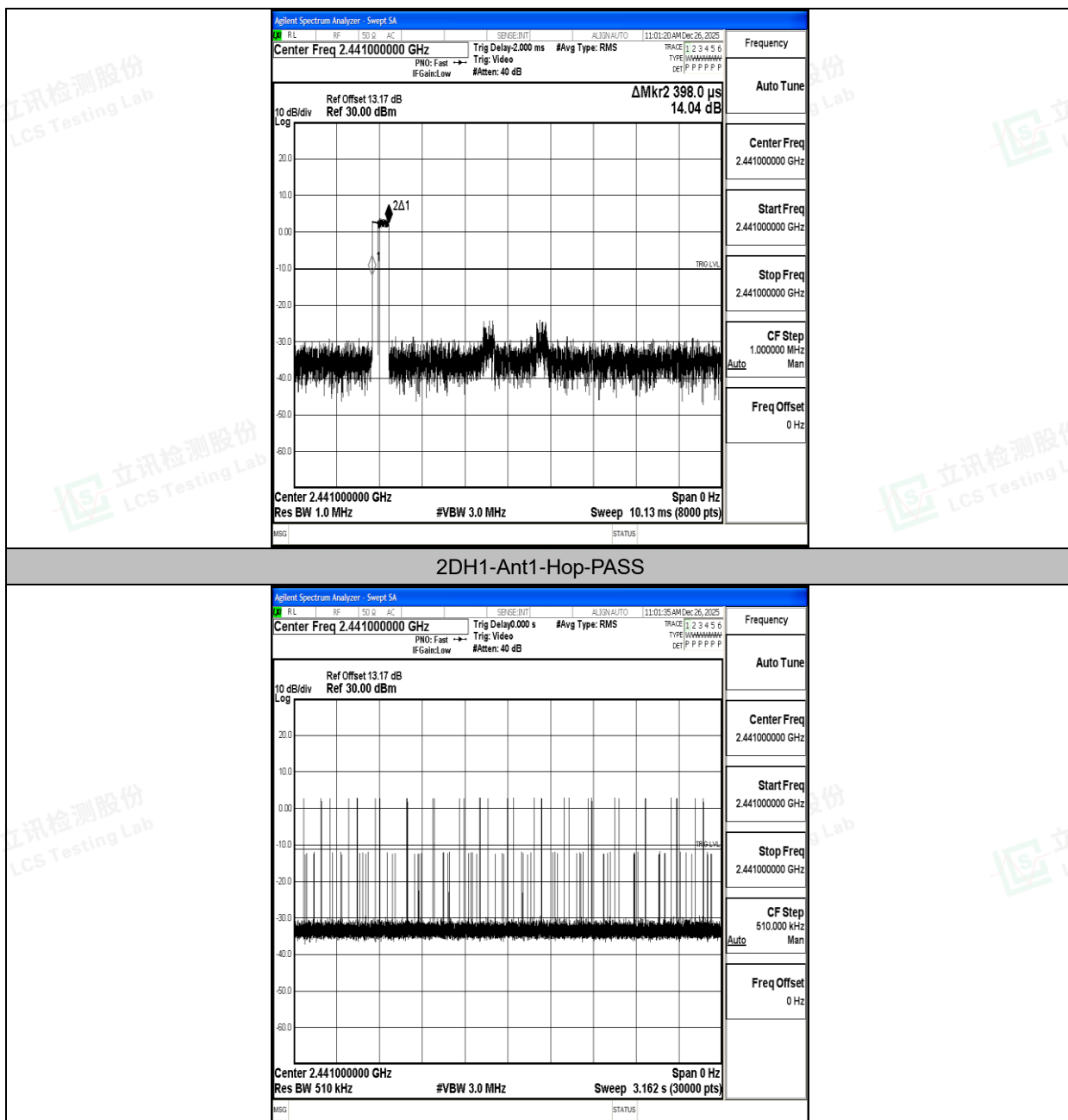


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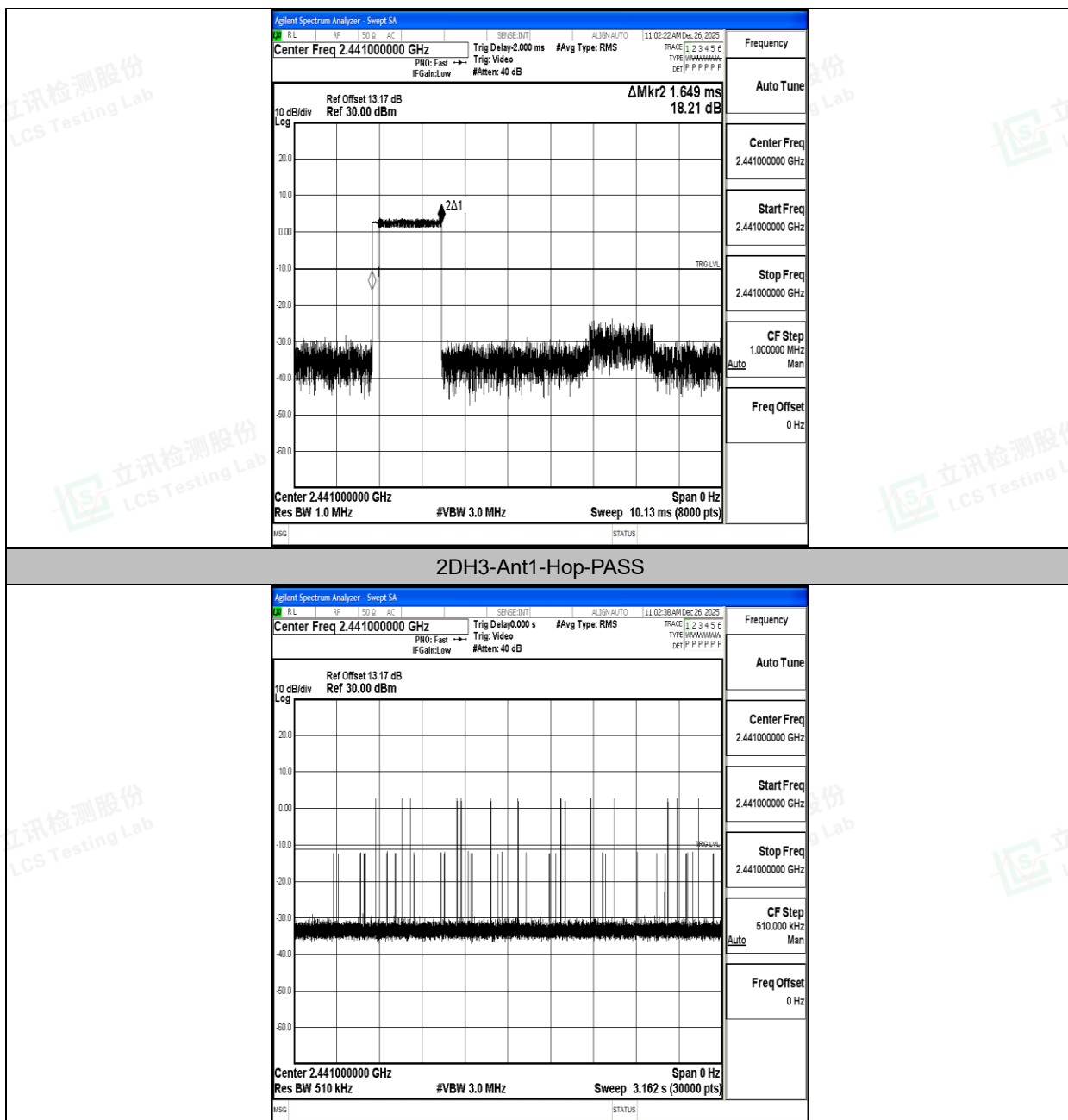


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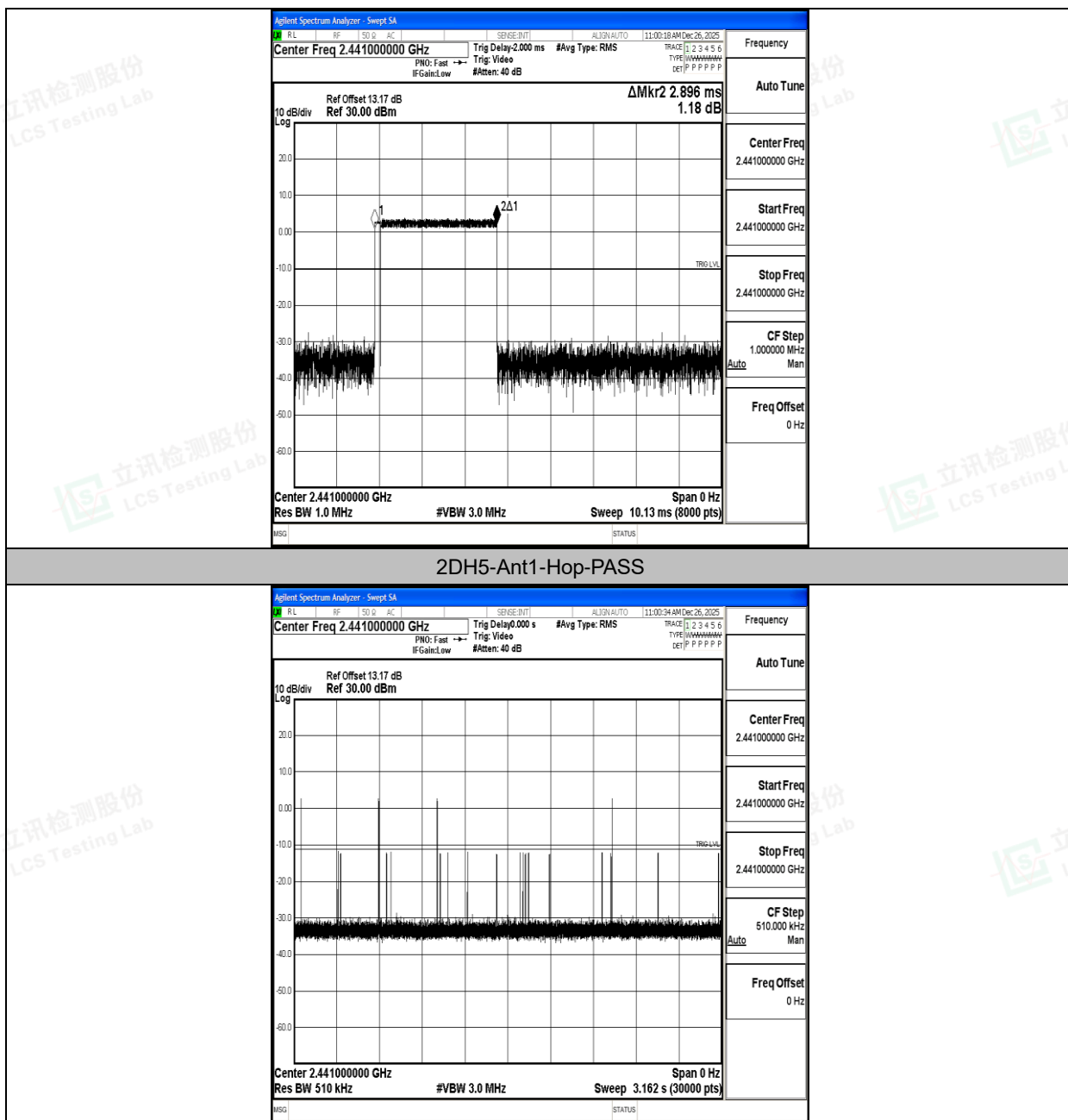


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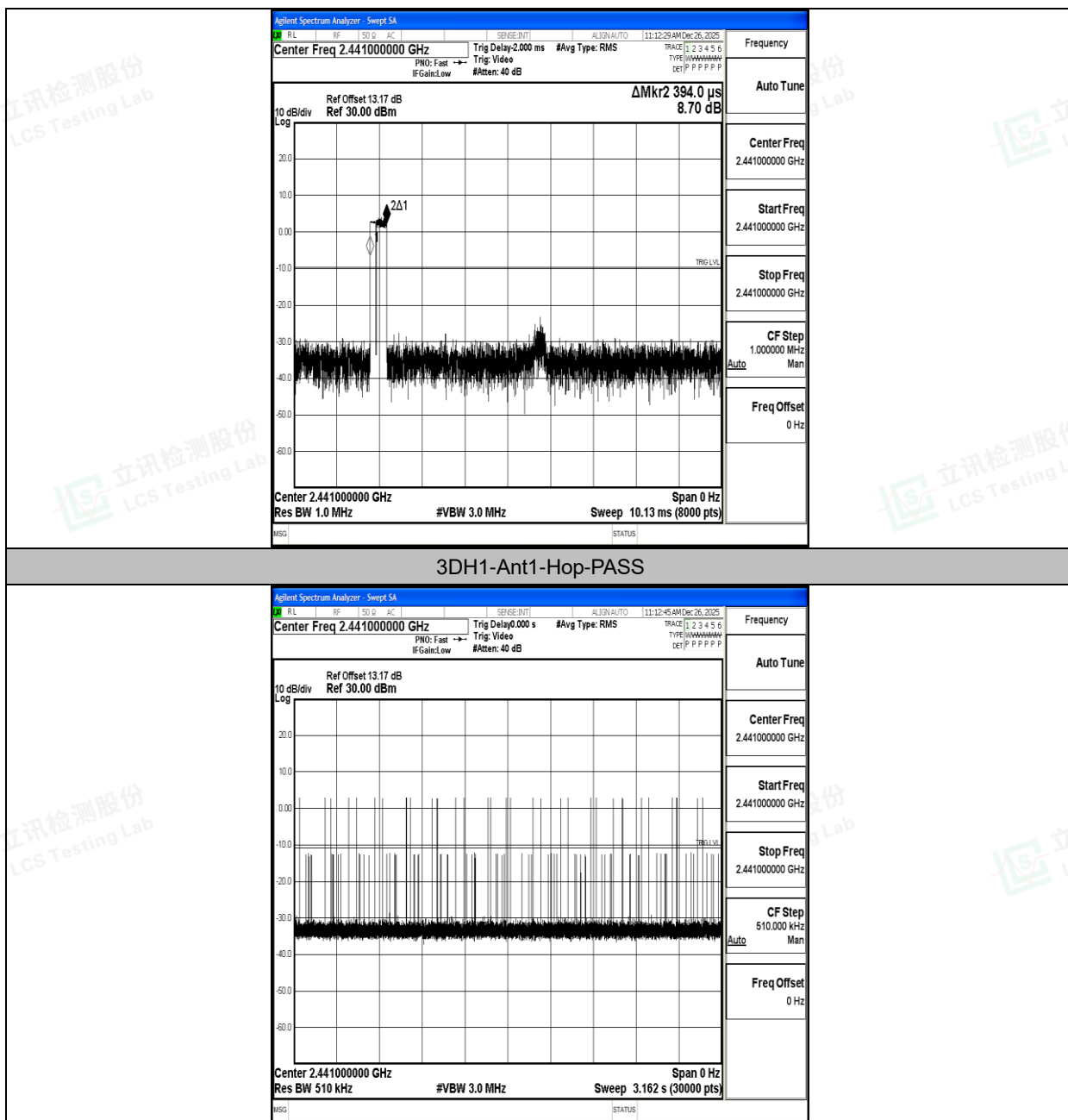


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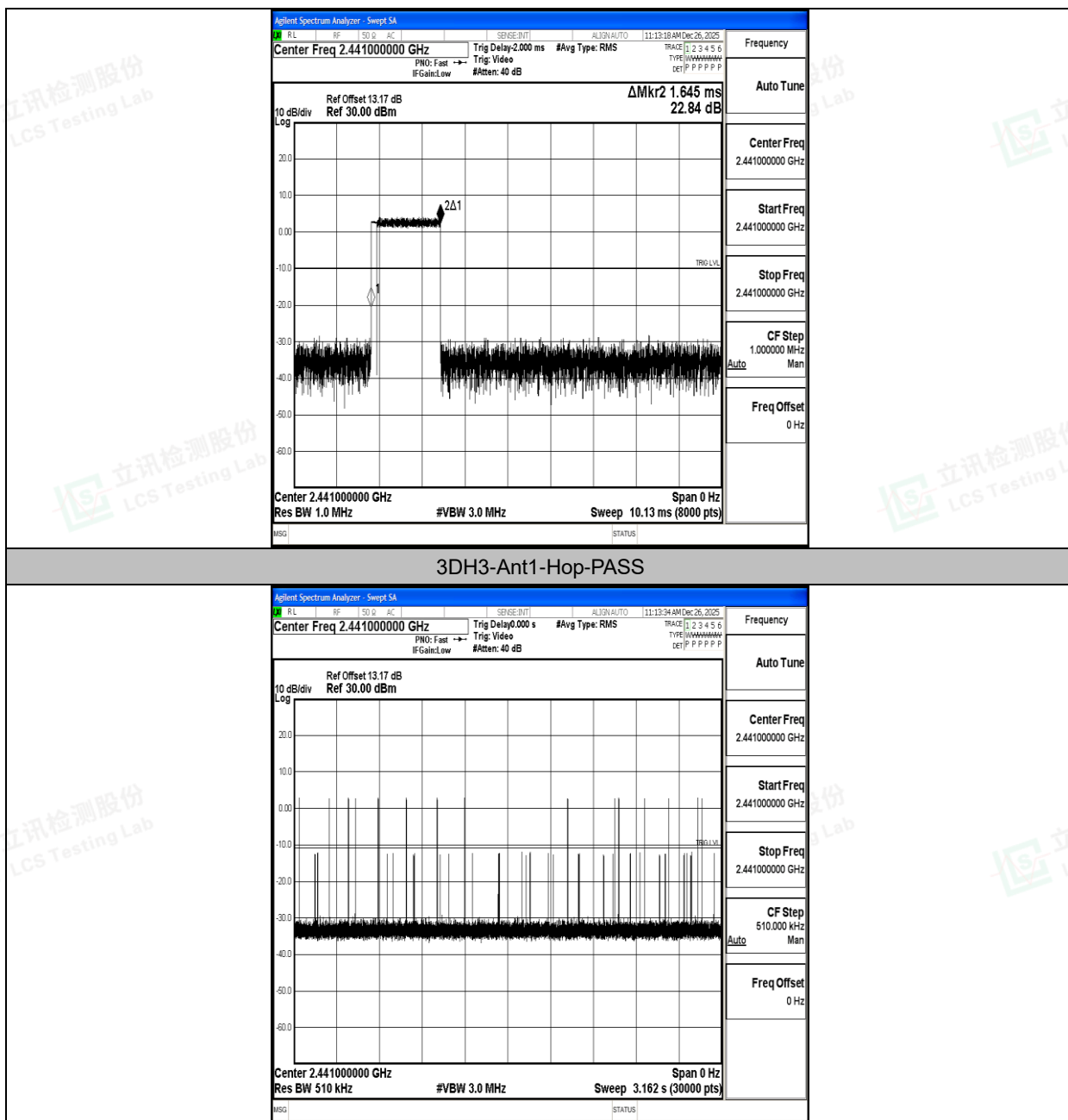


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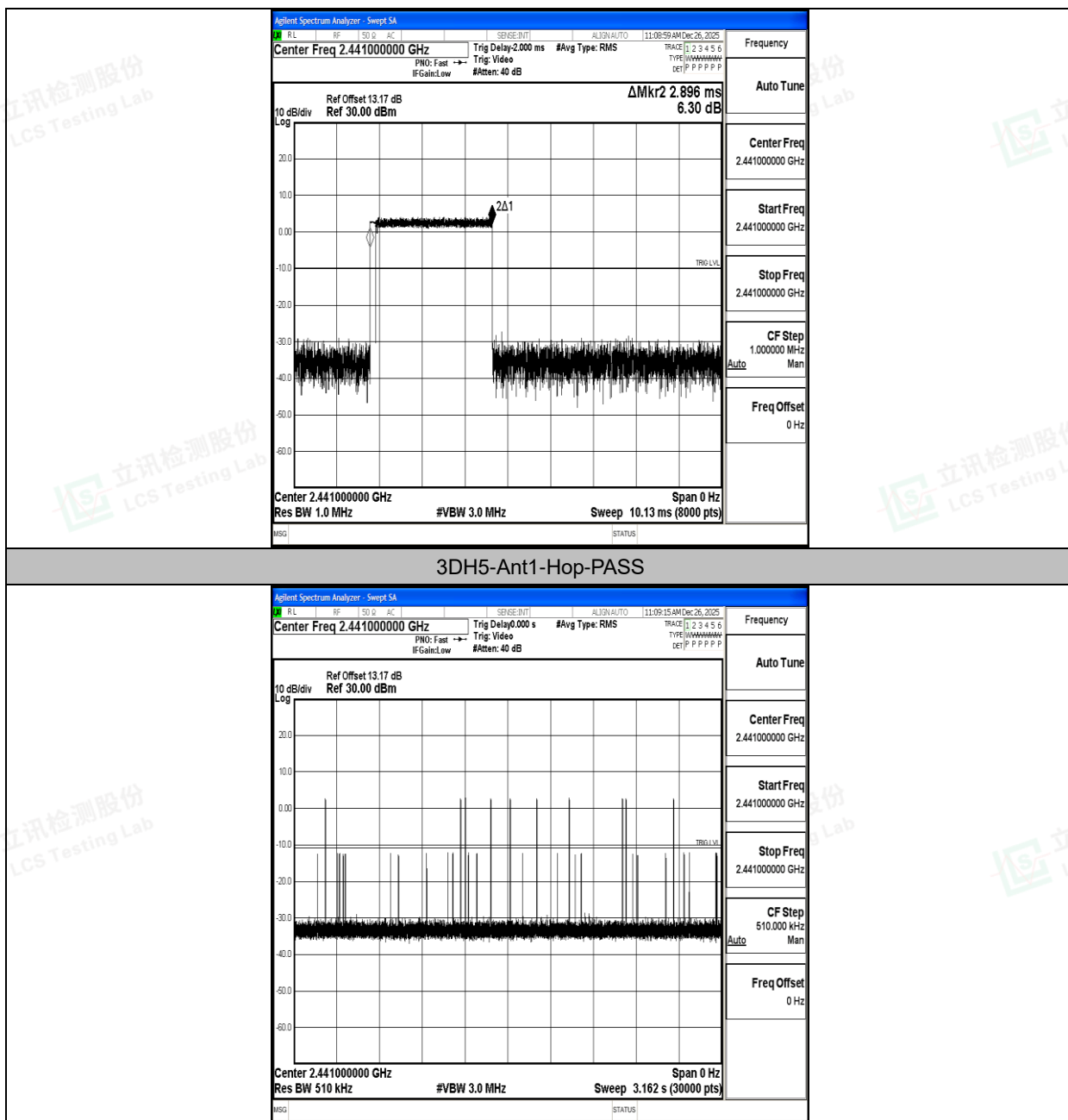


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A.5 Number of hopping channels

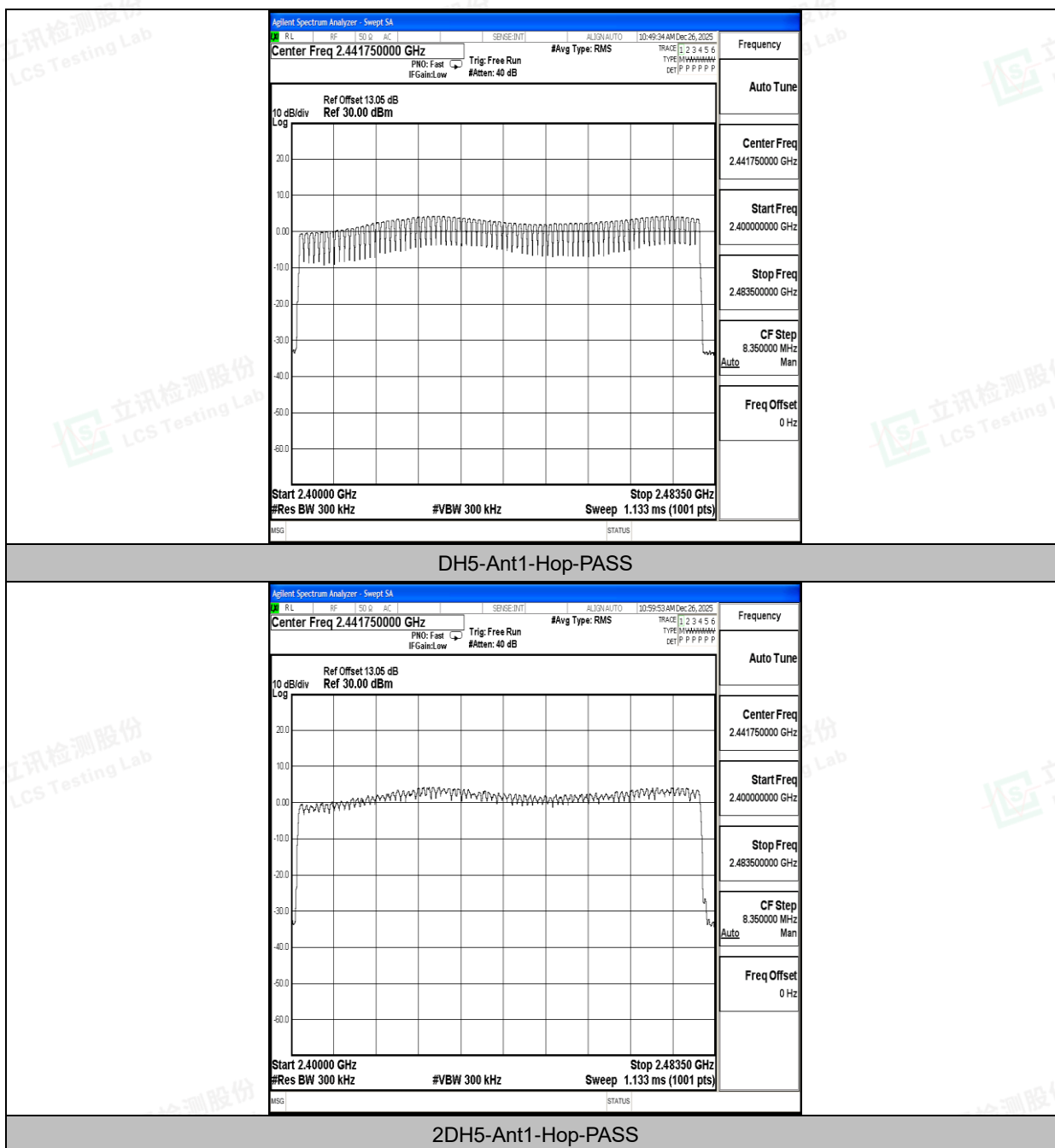
Test Result

TestMode	Antenna	Frequency[MHz]	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

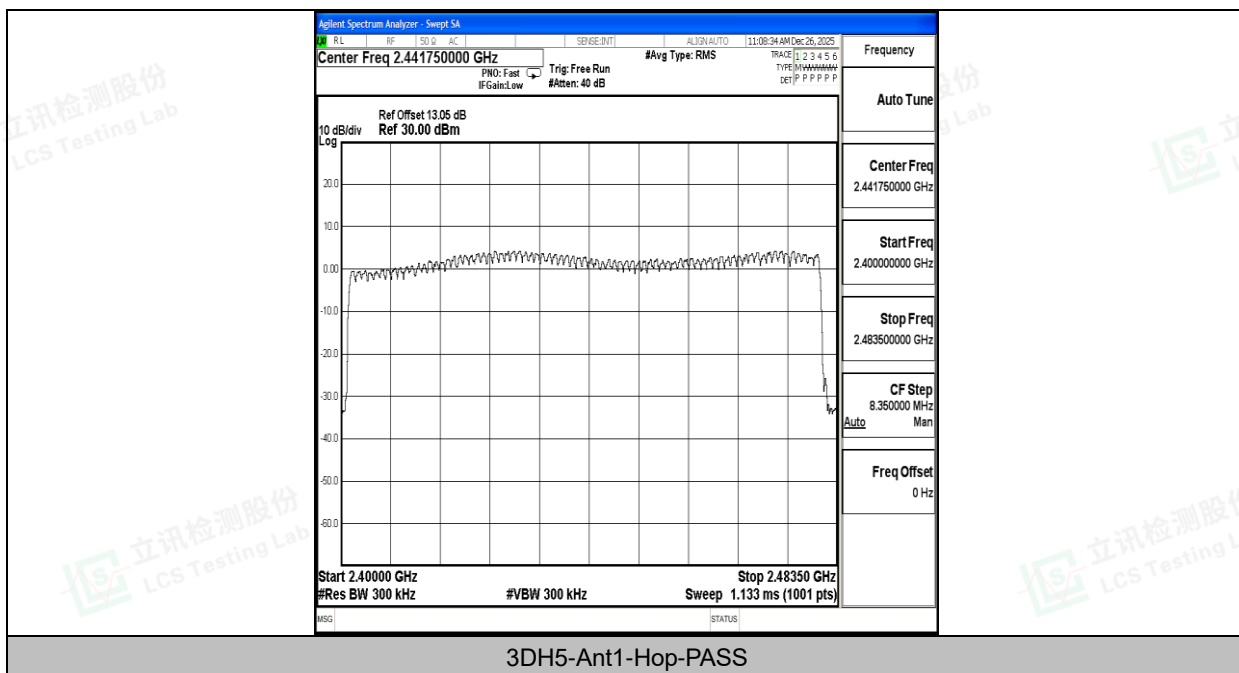


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A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.78	-46.07	≤ -20.78	PASS
DH5	Ant1	High	2480	3.24	-46.43	≤ -16.77	PASS
DH5	Ant1	Low	Hop_2402	-1.52	-46.36	≤ -21.52	PASS
DH5	Ant1	High	Hop_2480	3.38	-45.76	≤ -16.62	PASS
2DH5	Ant1	Low	2402	-1.73	-46.74	≤ -21.73	PASS
2DH5	Ant1	High	2480	2.58	-46.32	≤ -17.42	PASS
2DH5	Ant1	Low	Hop_2402	-1.99	-46.37	≤ -21.99	PASS
2DH5	Ant1	High	Hop_2480	3.63	-45.89	≤ -16.37	PASS
3DH5	Ant1	Low	2402	-0.66	-46.59	≤ -20.66	PASS
3DH5	Ant1	High	2480	3.40	-46.24	≤ -16.6	PASS
3DH5	Ant1	Low	Hop_2402	-1.38	-44.99	≤ -21.38	PASS
3DH5	Ant1	High	Hop_2480	3.91	-45.52	≤ -16.09	PASS



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