



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: All-In-One laptop

Test Model: A7_N6

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Paddi Chen



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A.1 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.993	2401.493	2402.486	---	---
		2441	0.987	2440.526	2441.513	---	---
		2480	0.981	2479.526	2480.507	---	---
2DH5	Ant1	2402	1.326	2401.331	2402.657	---	---
		2441	1.290	2440.358	2441.648	---	---
		2480	1.317	2479.334	2480.651	---	---
3DH5	Ant1	2402	1.326	2401.334	2402.660	---	---
		2441	1.320	2440.340	2441.660	---	---
		2480	1.305	2479.343	2480.648	---	---

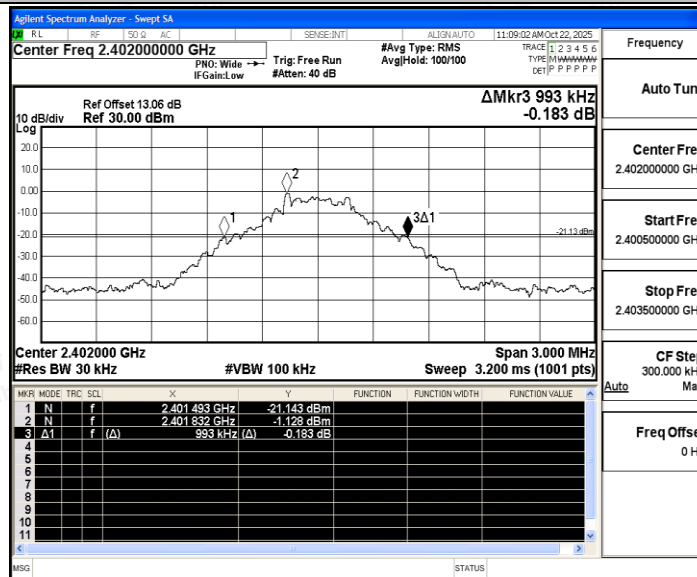


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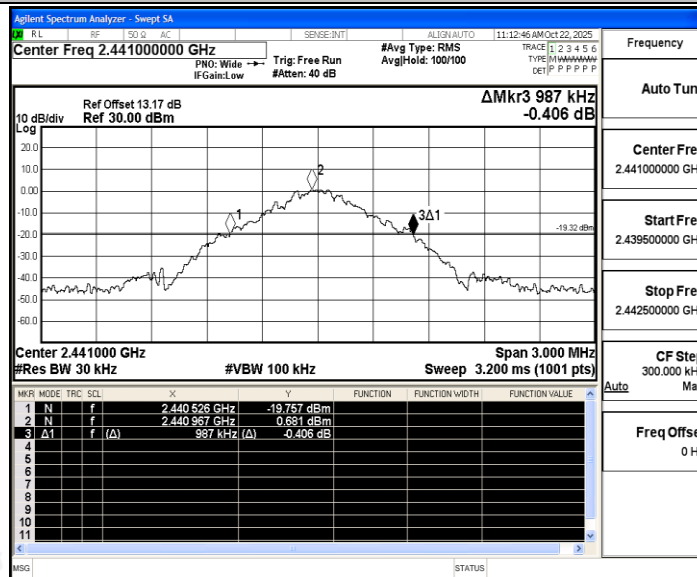


Test Graphs

DH5_Ant1_2402

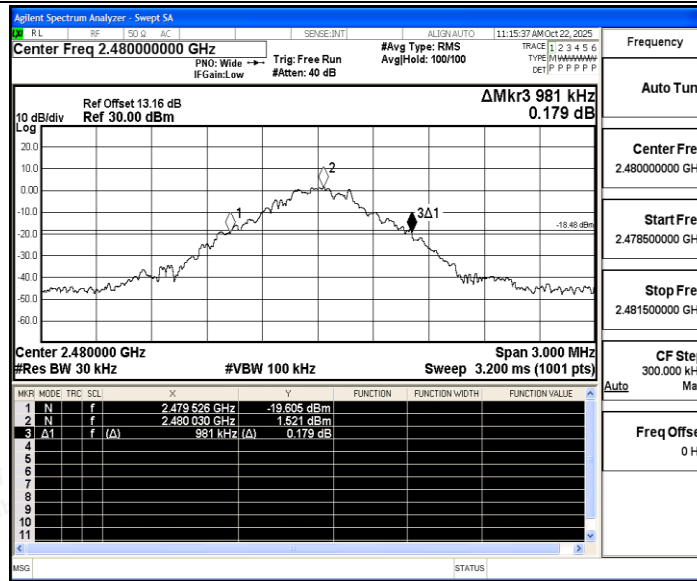


DH5_Ant1_2441

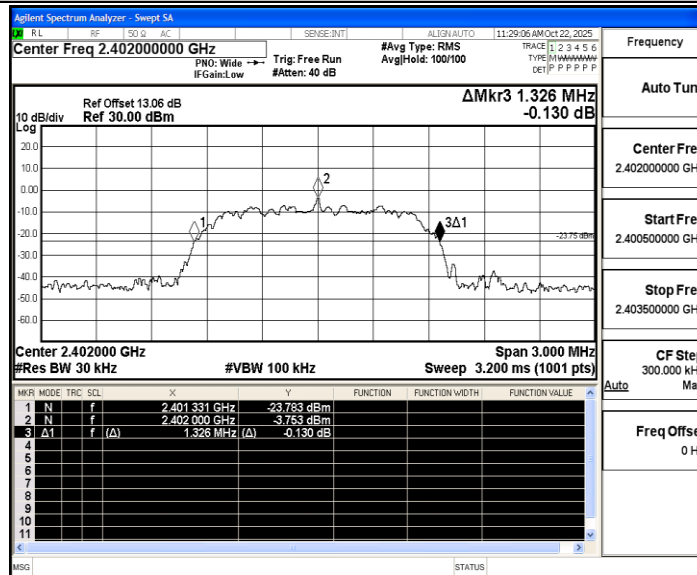


DH5_Ant1_2480



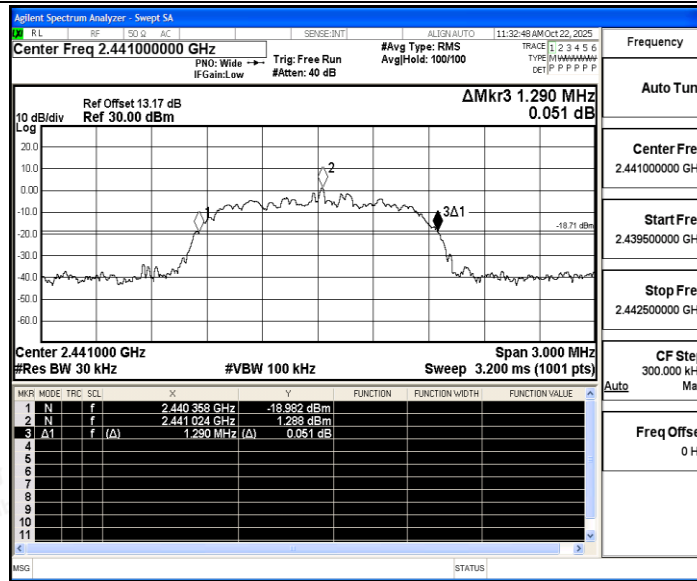


2DH5_Ant1_2402

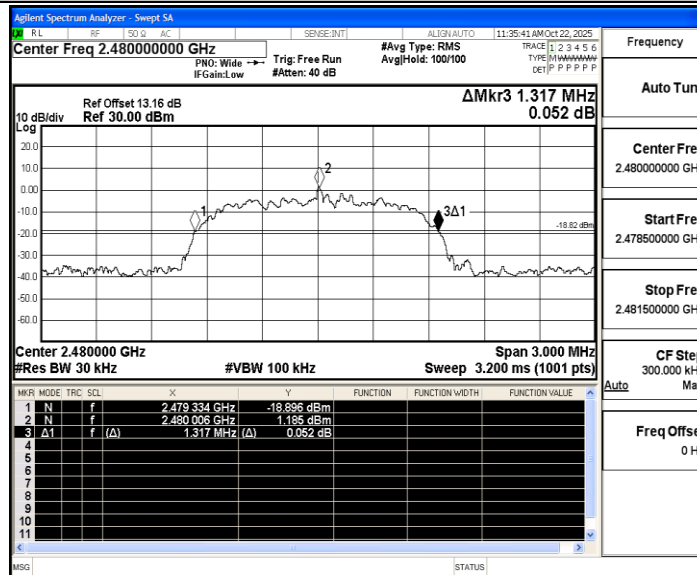


2DH5_Ant1_2441



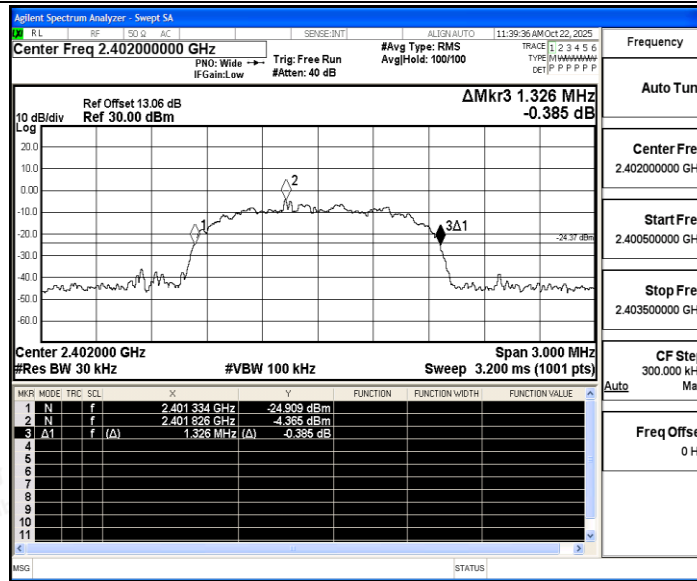


2DH5_Ant1_2480

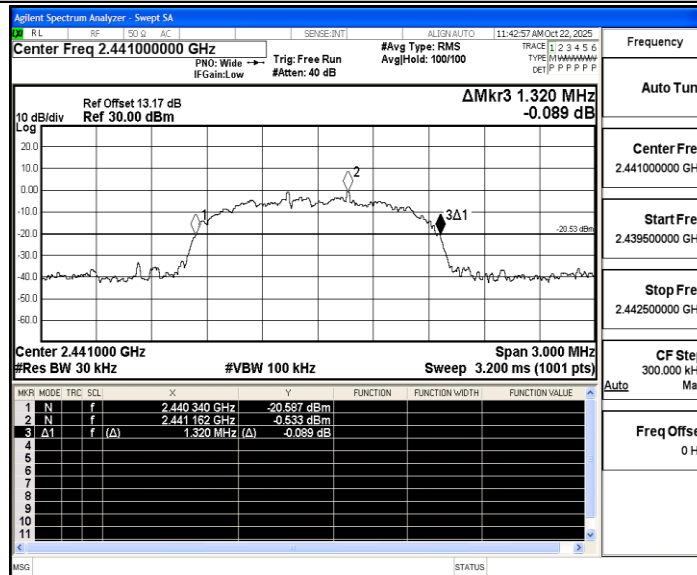


3DH5_Ant1_2402



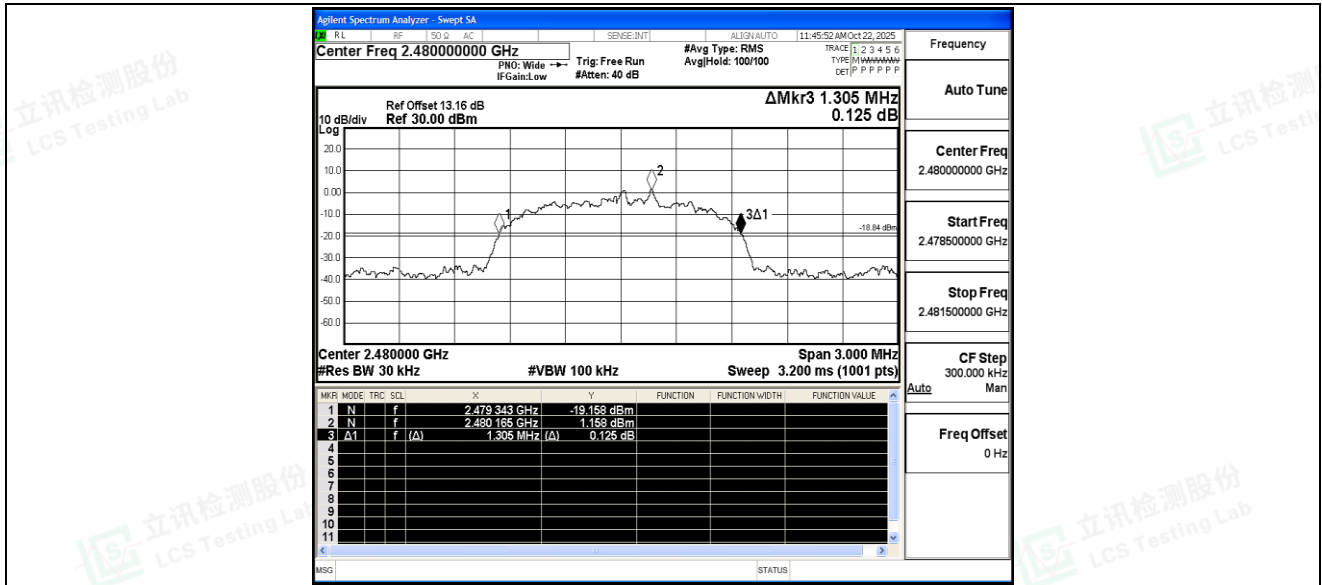


3DH5_Ant1_2441



3DH5_Ant1_2480





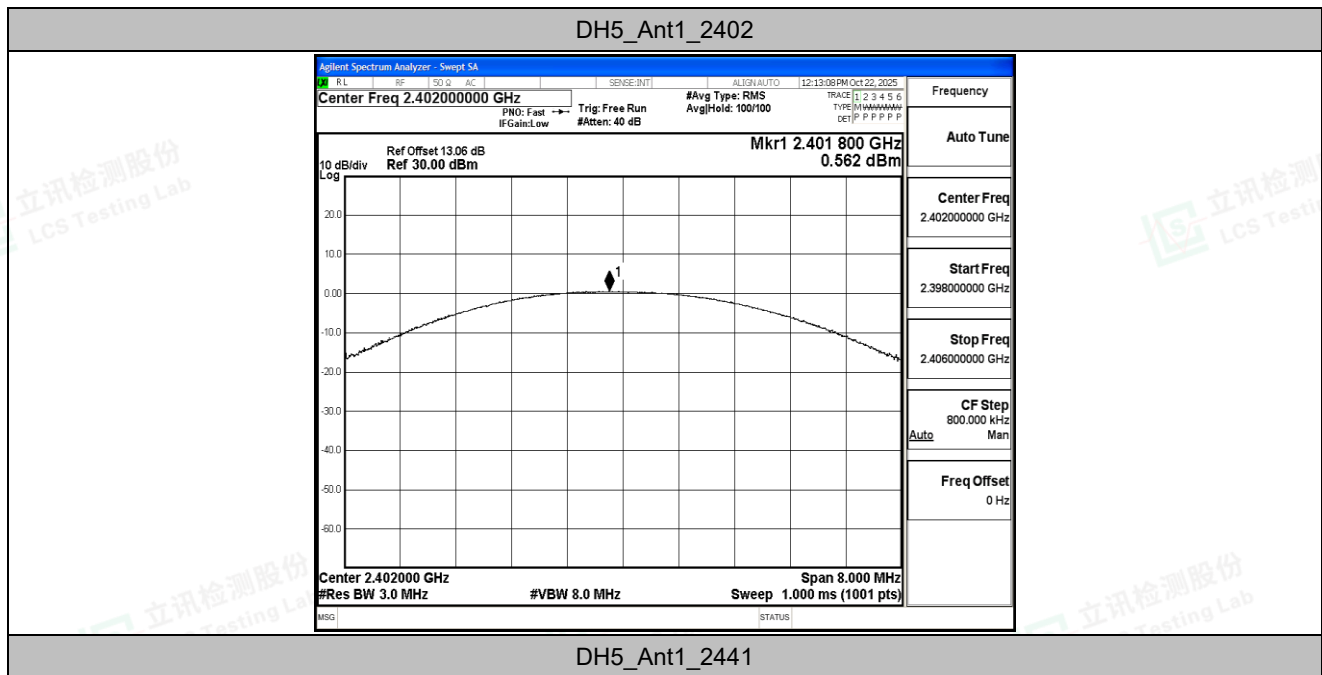


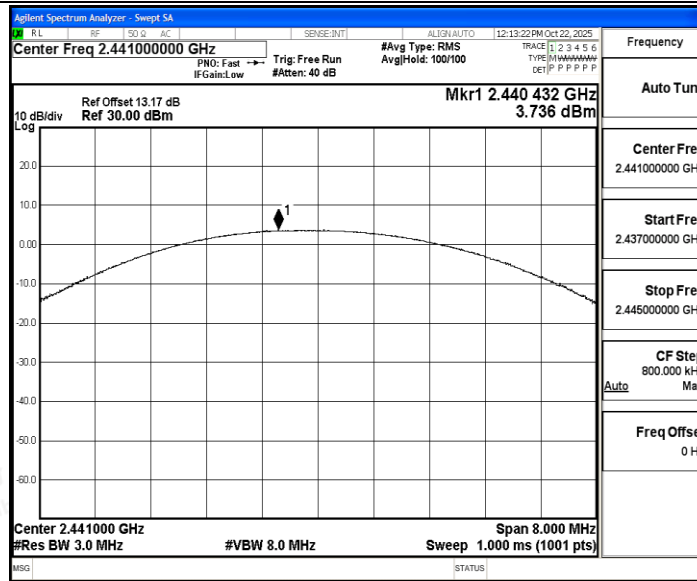
A.2 Maximum peak conducted output power

Test Result Peak

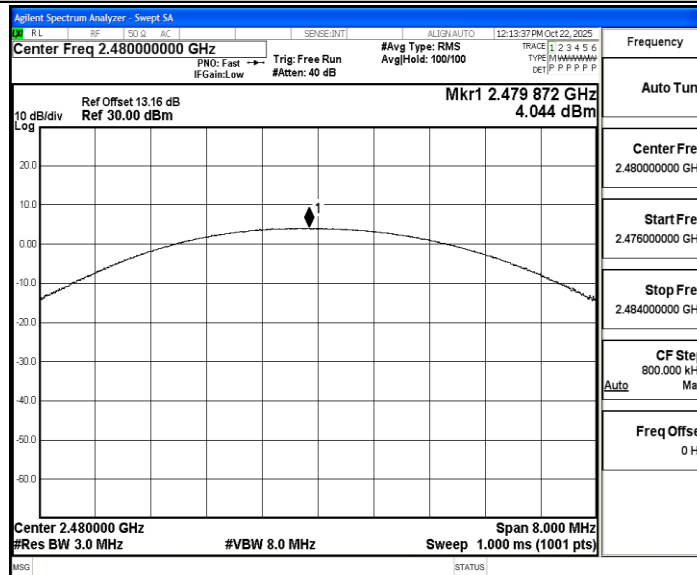
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.56	≤30	PASS
		2441	3.74	≤30	PASS
		2480	4.04	≤30	PASS
2DH5	Ant1	2402	2.23	≤20.97	PASS
		2441	4.91	≤20.97	PASS
		2480	5.06	≤20.97	PASS
3DH5	Ant1	2402	2.38	≤20.97	PASS
		2441	5.12	≤20.97	PASS
		2480	5.19	≤20.97	PASS

Test Graphs



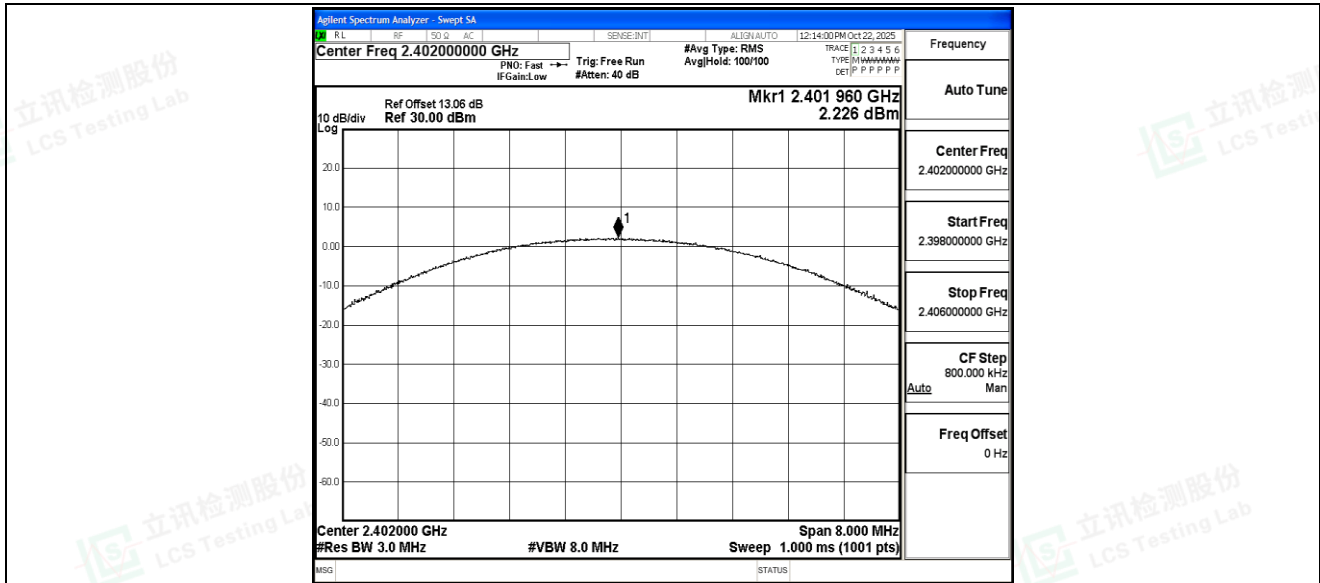


DH5_Ant1_2480

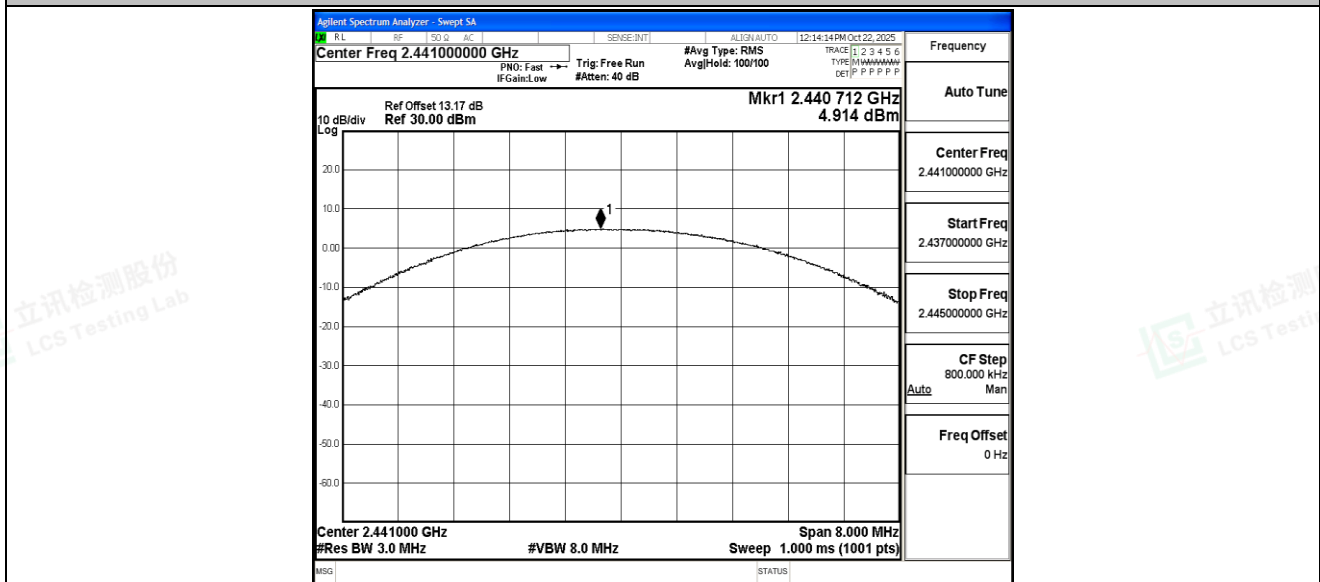


2DH5_Ant1_2402



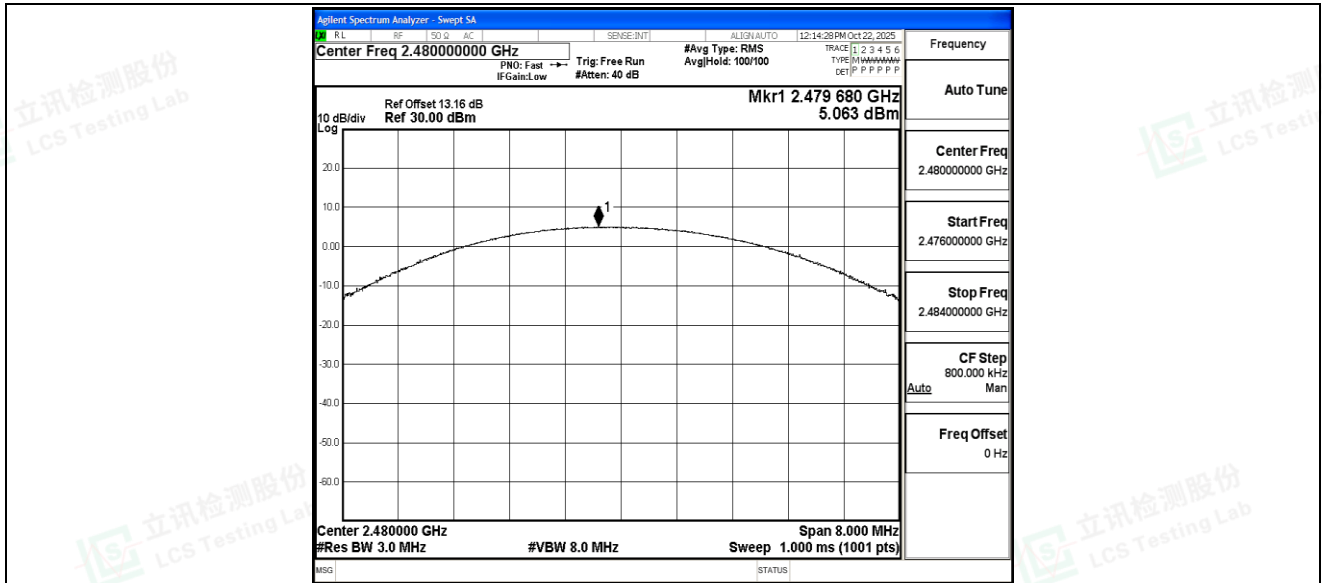


2DH5_Ant1_2441

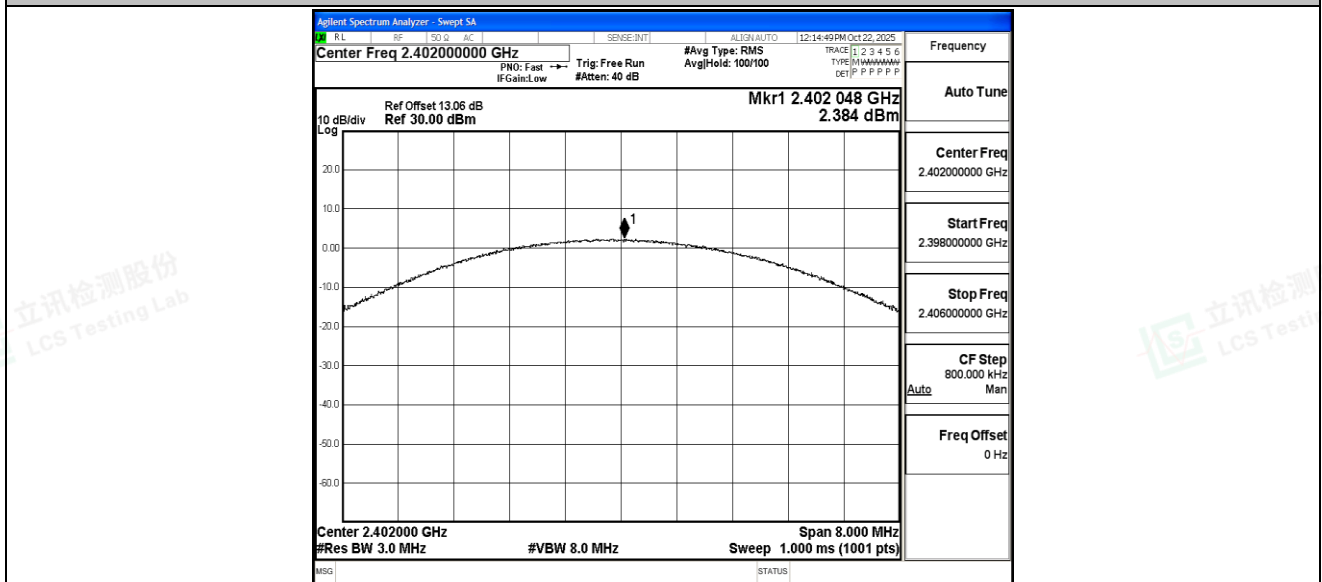


2DH5_Ant1_2480



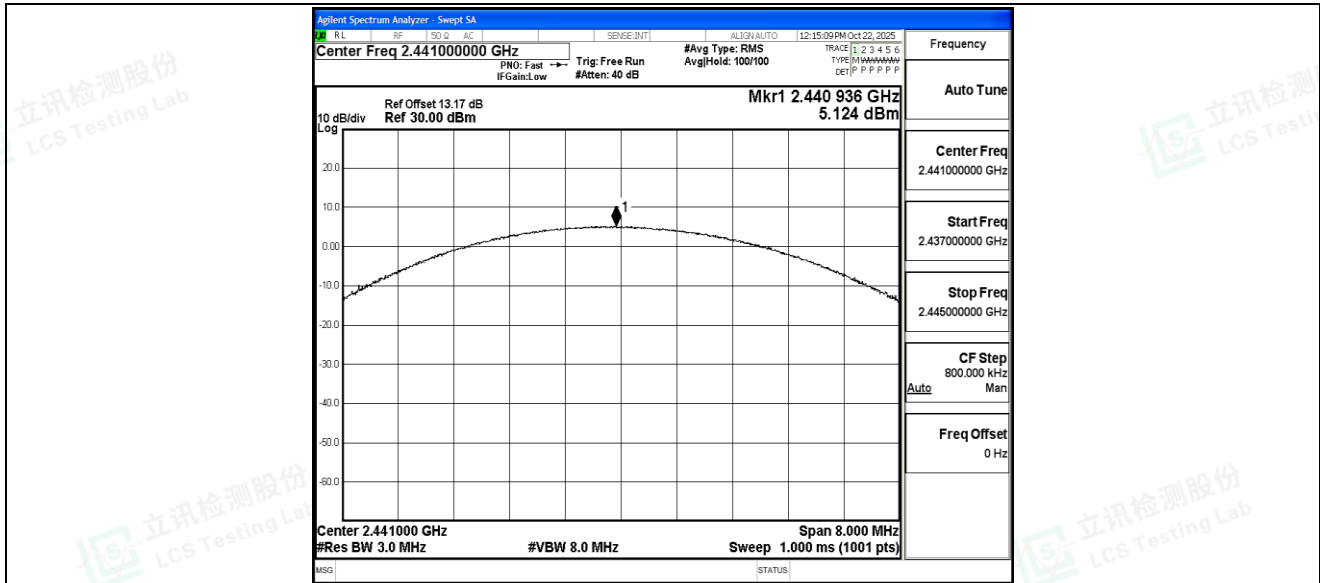


3DH5_Ant1_2402

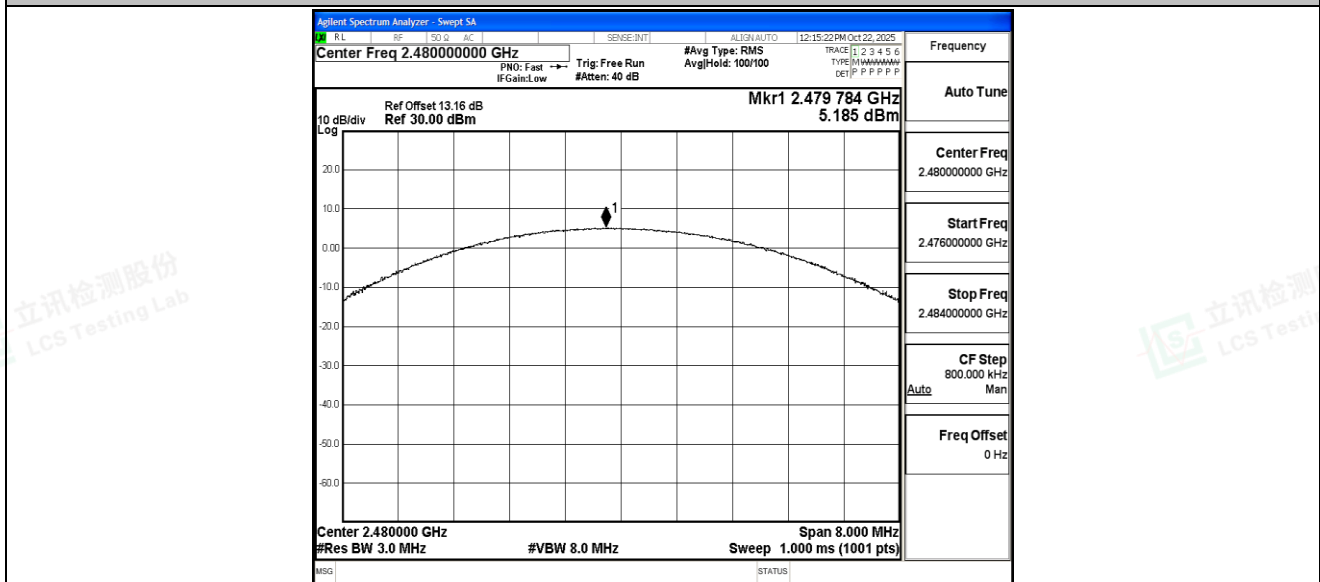


3DH5_Ant1_2441





3DH5_Ant1_2480





A.3 Carrier frequency separation

Test Result

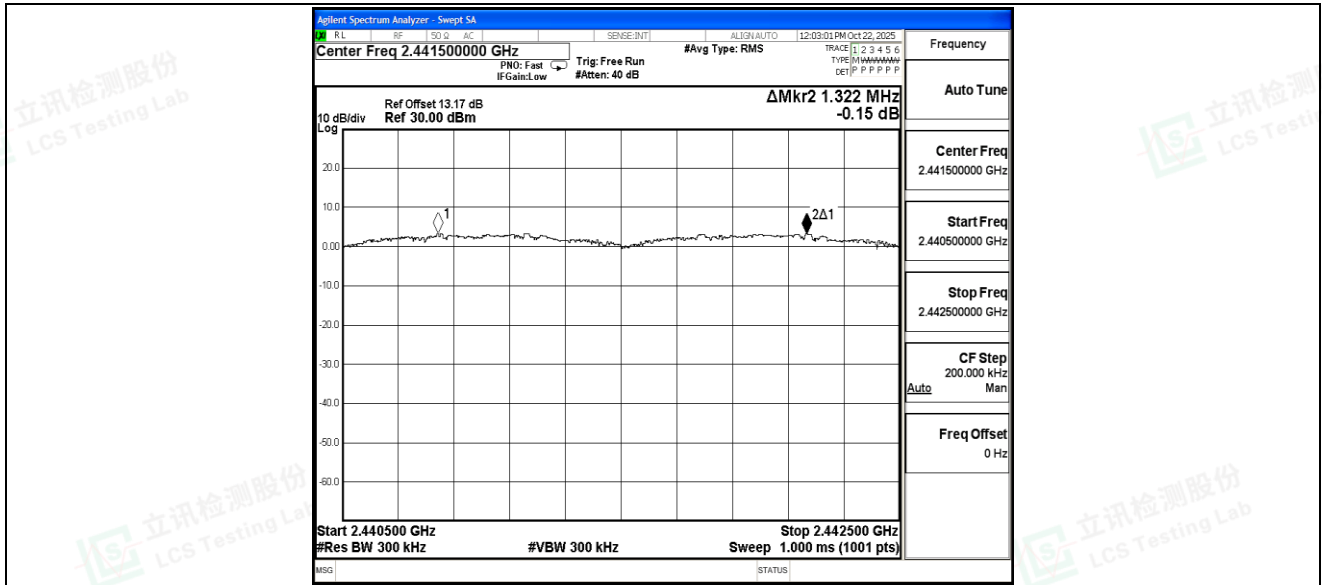
TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.35	≥ 0.662	PASS
2DH5	Ant1	Hop	1.124	≥ 0.884	PASS
3DH5	Ant1	Hop	1.322	≥ 0.884	PASS





Test Graphs







A.4 Time of occupancy

Test Result

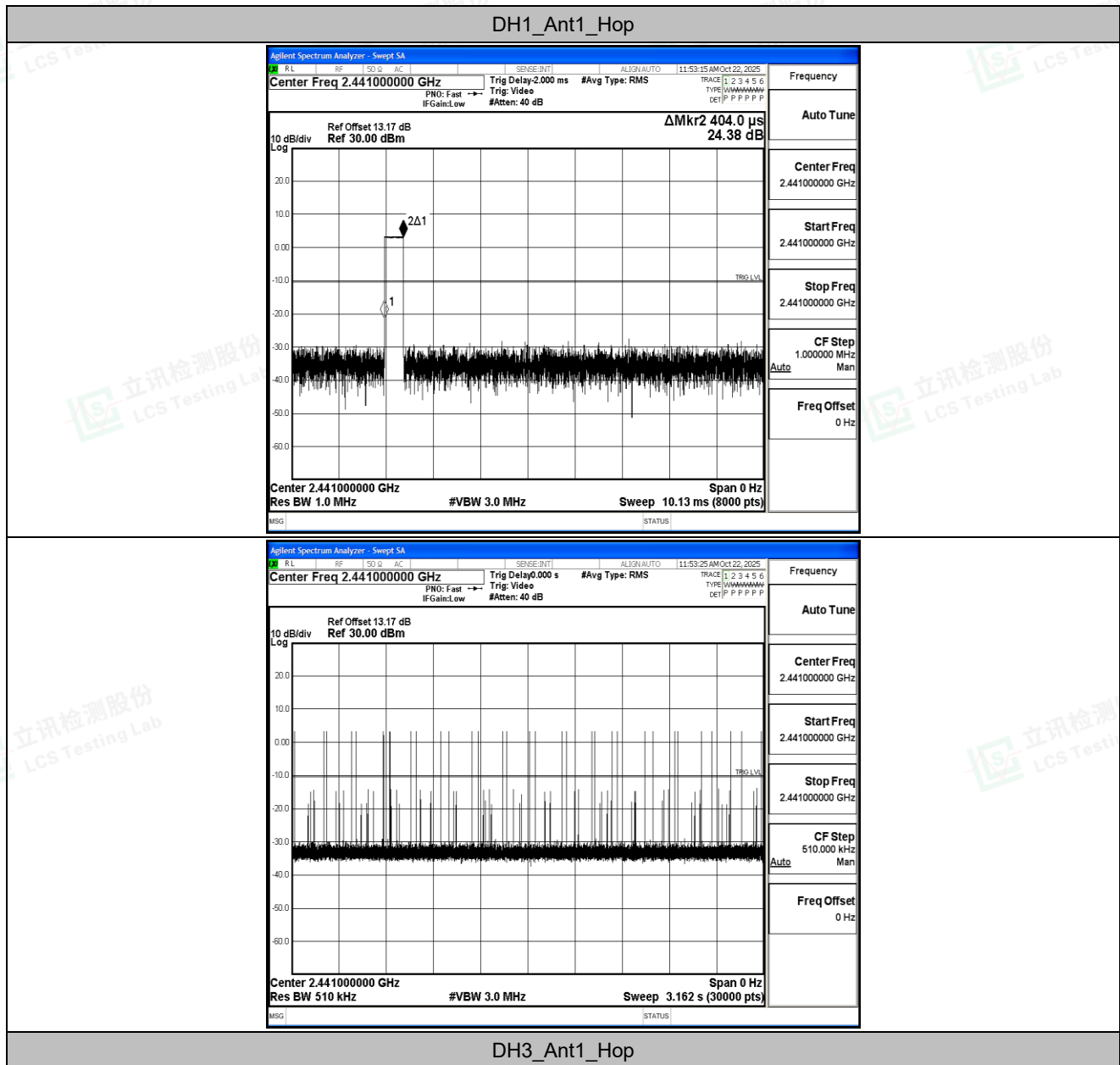
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.404	330	0.133	≤0.4	PASS
DH3	Ant1	Hop	1.661	220	0.365	≤0.4	PASS
DH5	Ant1	Hop	2.908	110	0.32	≤0.4	PASS
2DH1	Ant1	Hop	0.396	330	0.131	≤0.4	PASS
2DH3	Ant1	Hop	1.648	160	0.264	≤0.4	PASS
2DH5	Ant1	Hop	2.897	130	0.377	≤0.4	PASS
3DH1	Ant1	Hop	0.395	320	0.126	≤0.4	PASS
3DH3	Ant1	Hop	1.644	200	0.329	≤0.4	PASS
3DH5	Ant1	Hop	2.896	60	0.174	≤0.4	PASS

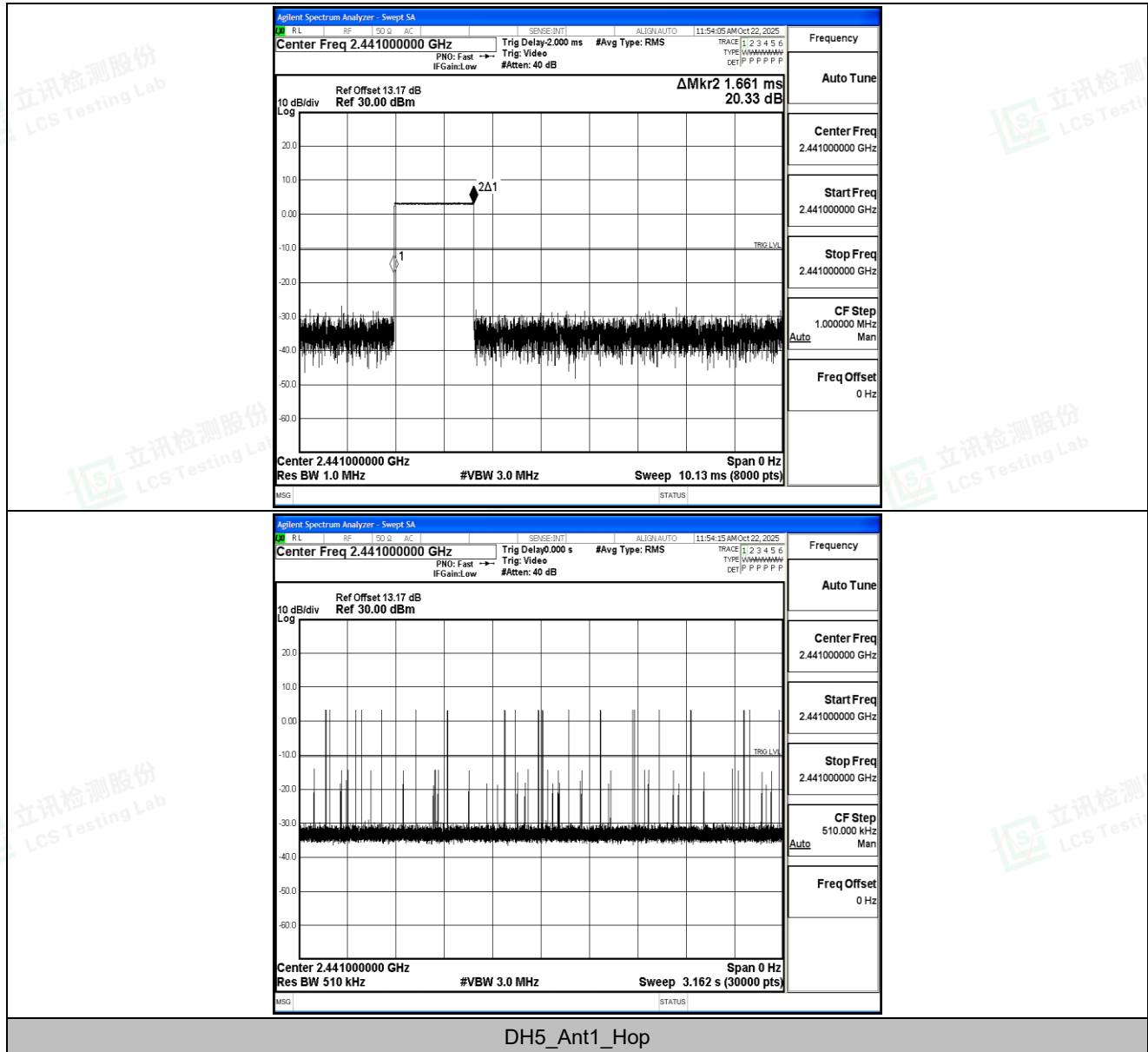


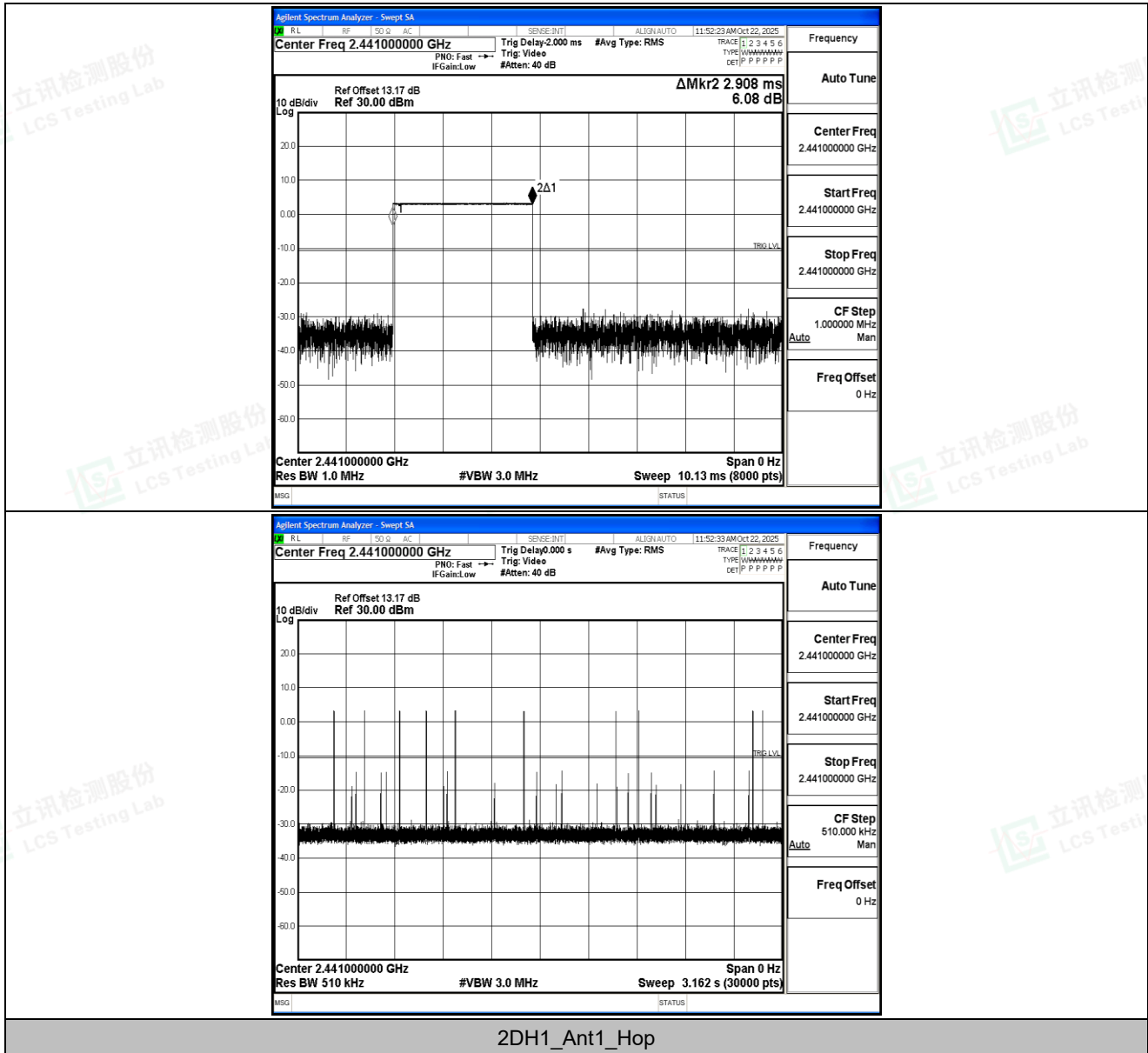
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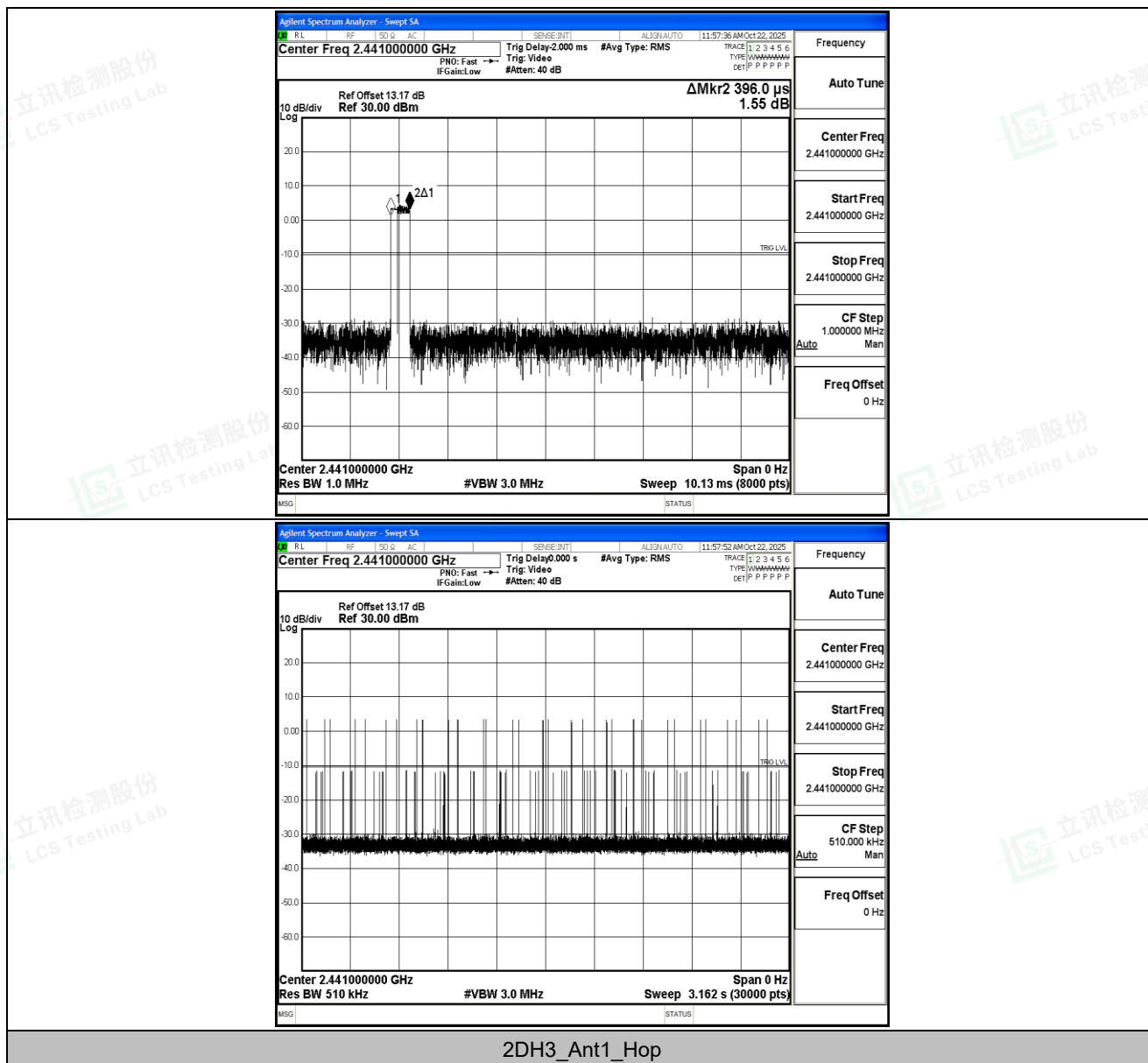


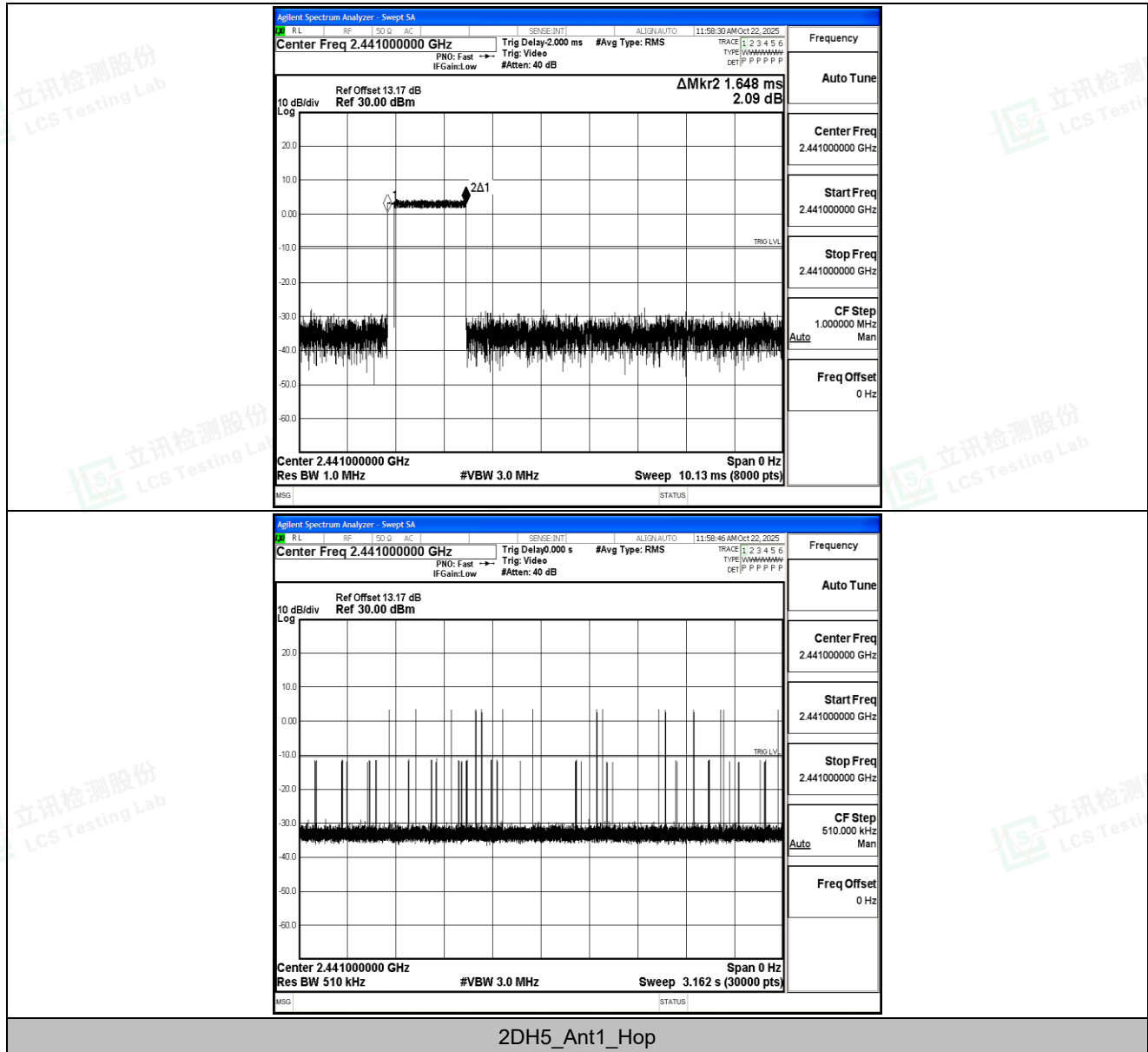
Test Graphs

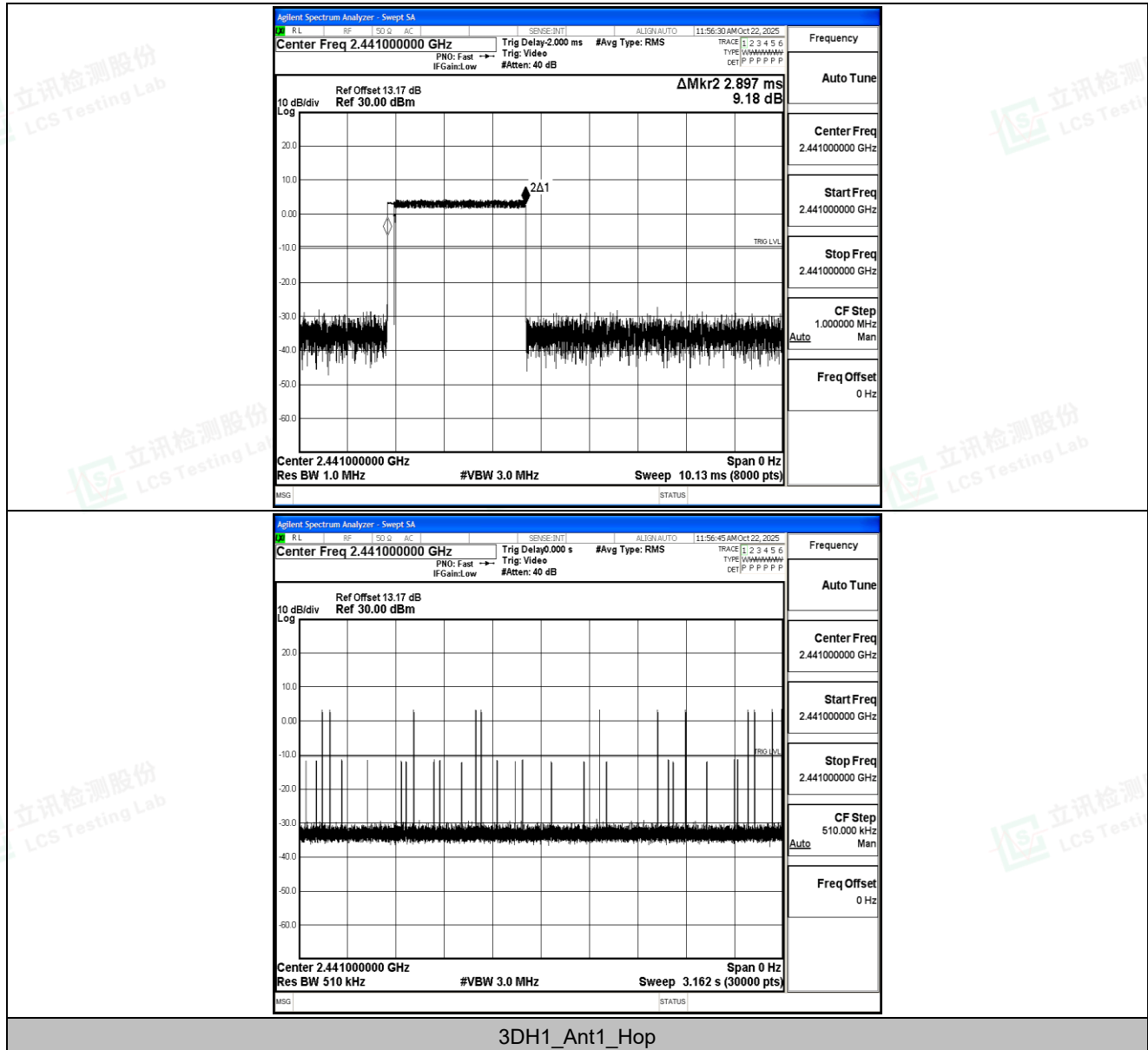


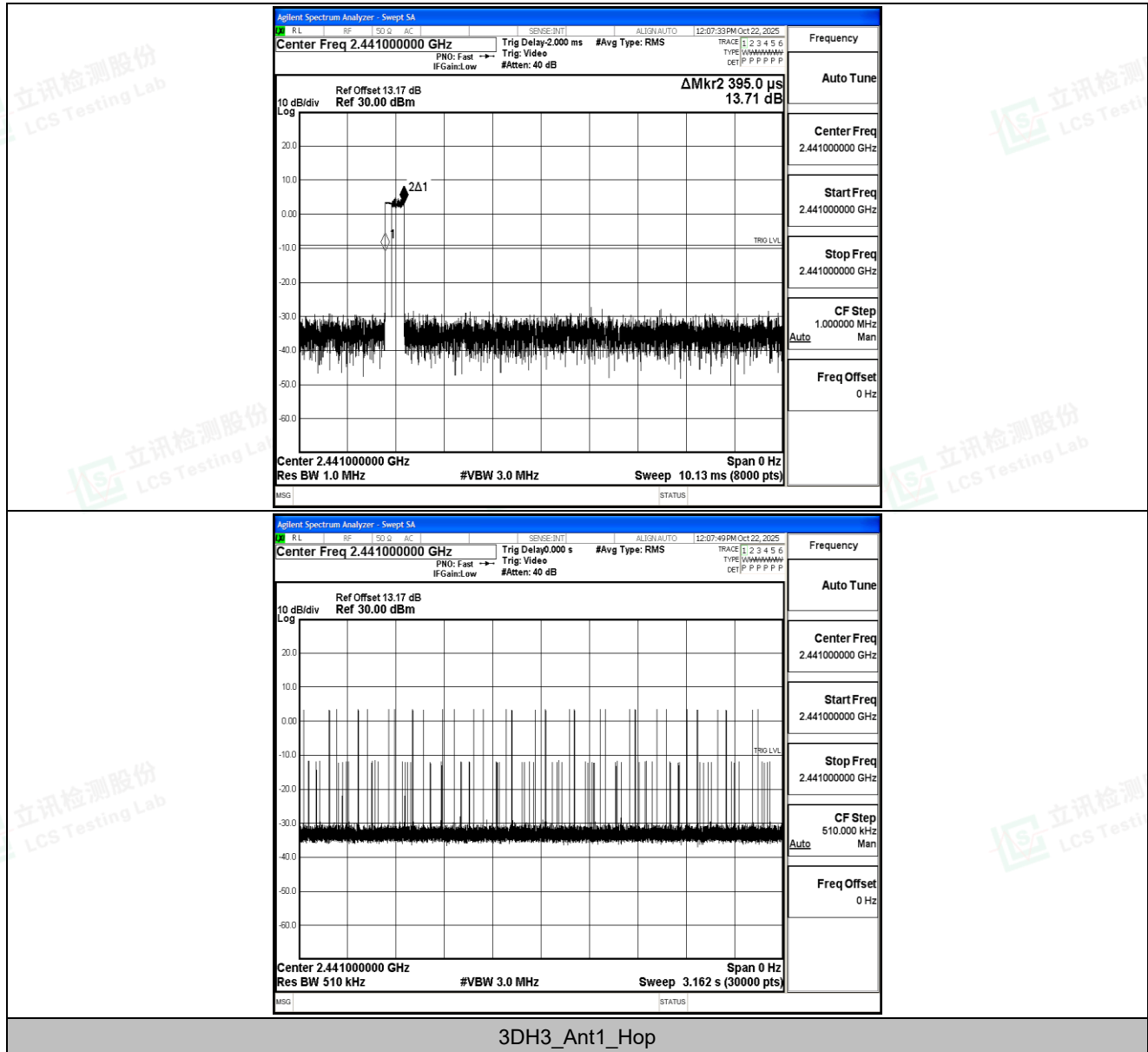


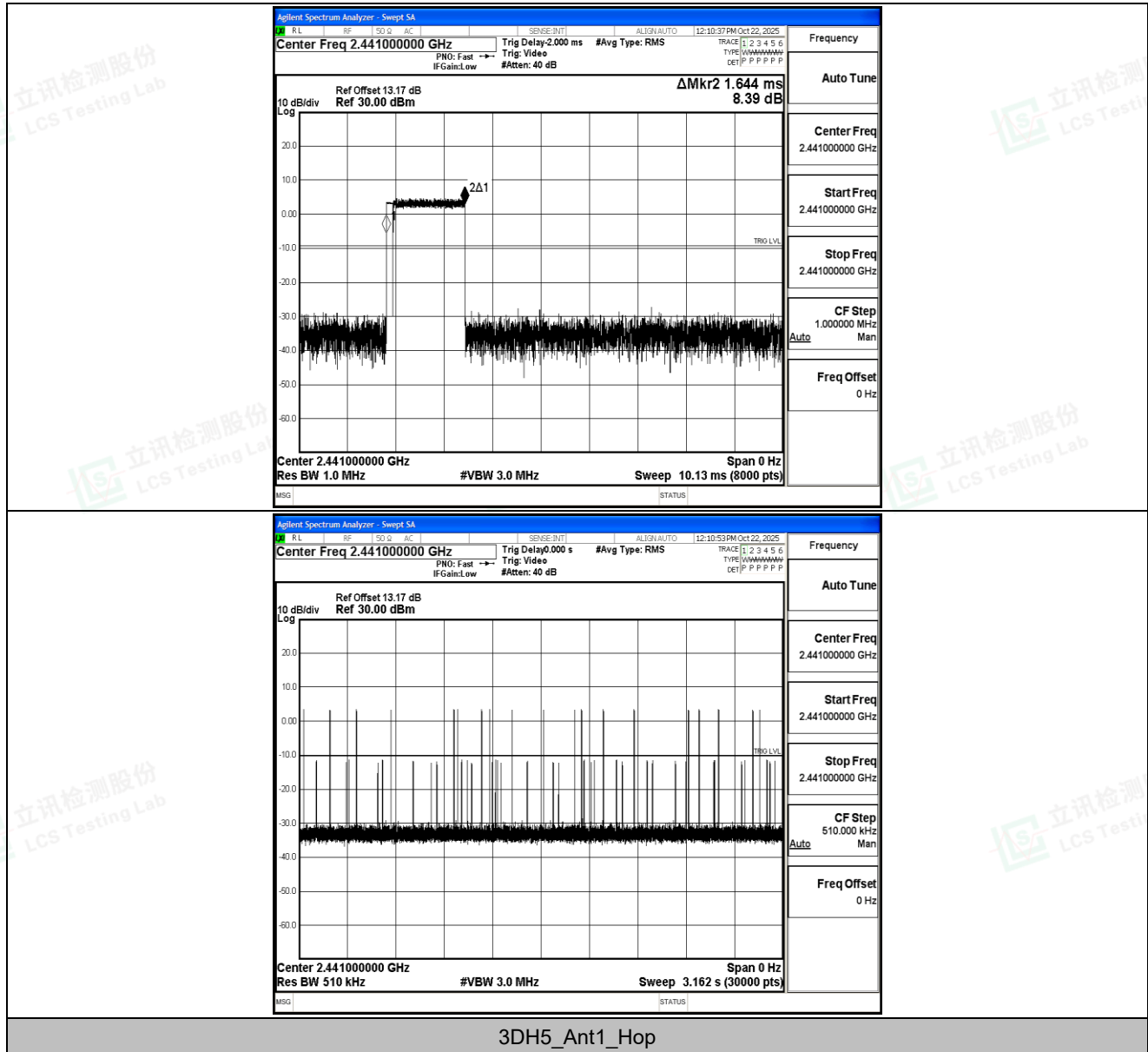


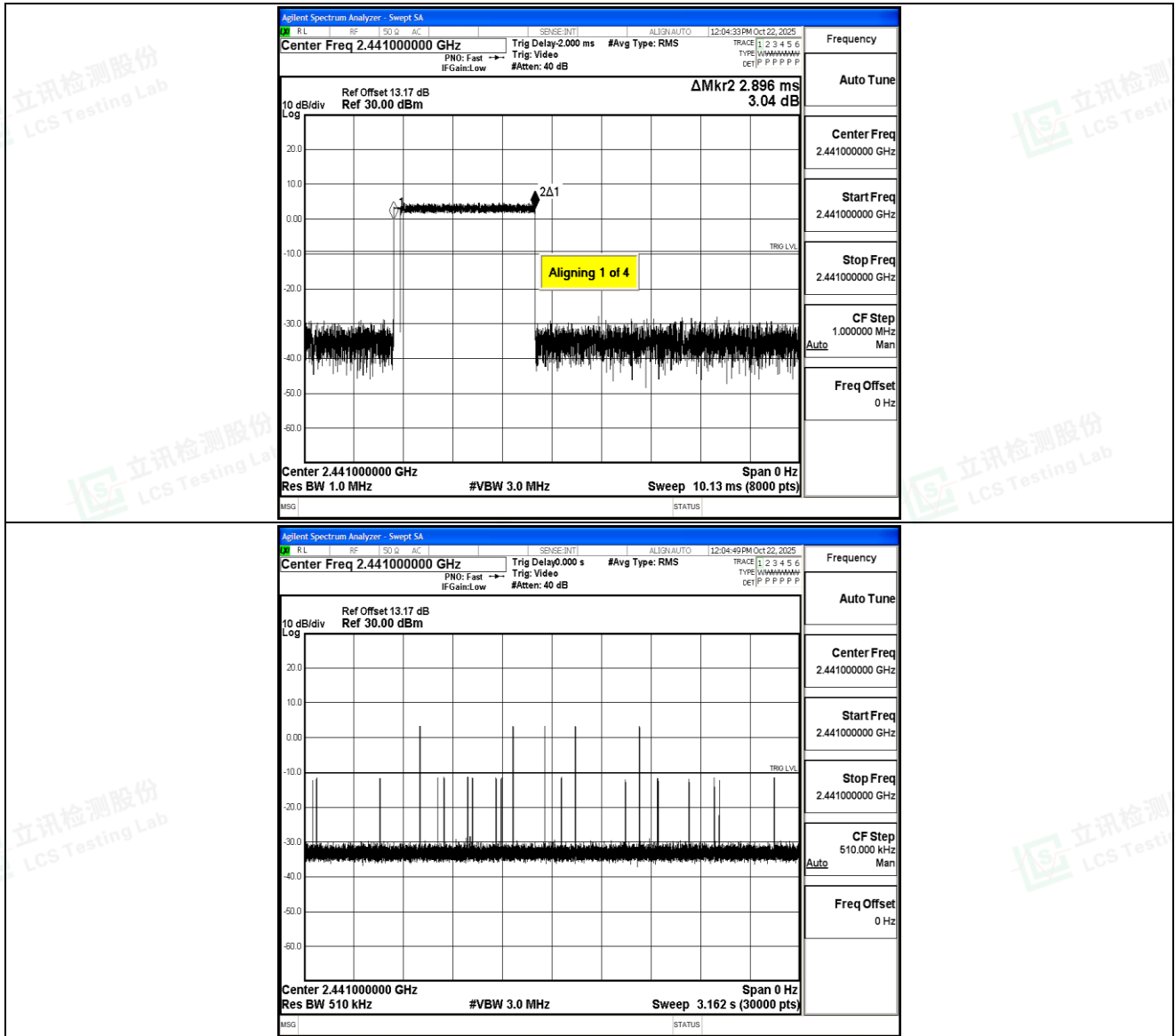














A.5 Number of hopping channels

Test Result

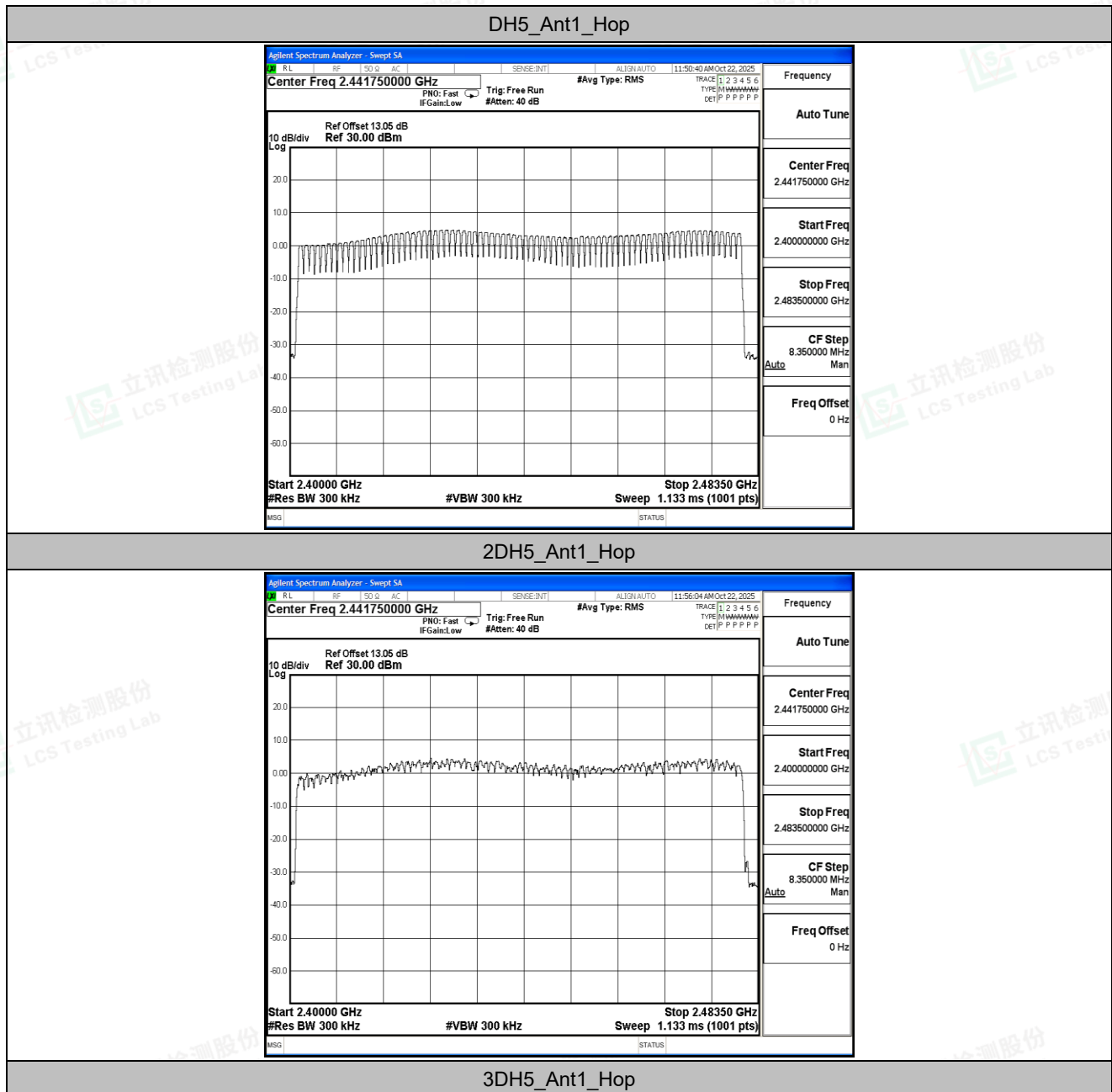
TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

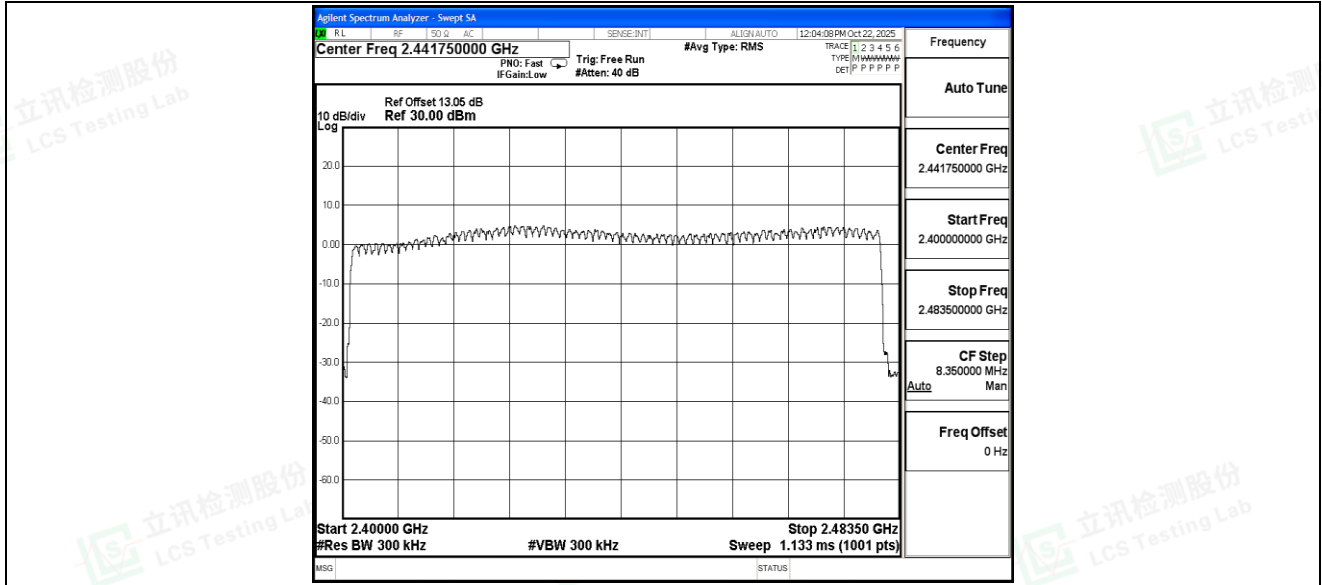


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Test Graphs







A.6 Band edge measurements

Test Result

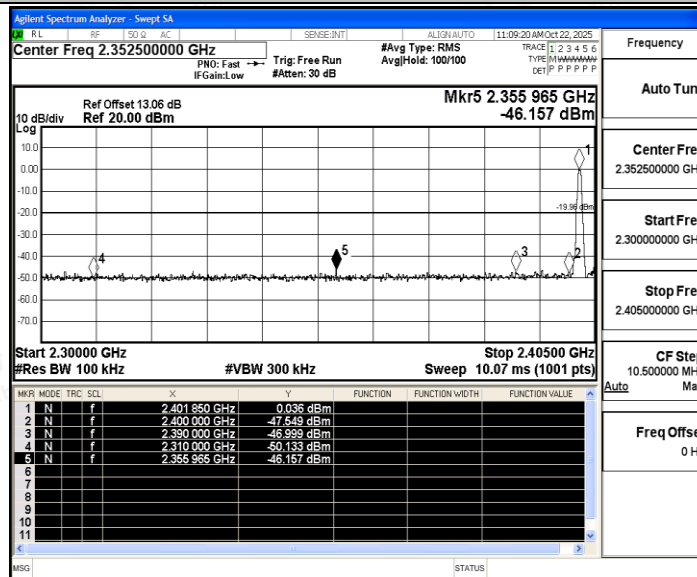
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.04	-46.16	≤-19.96	PASS
		High	2480	3.69	-46.32	≤-16.31	PASS
		Low	Hop_2402	-1.06	-46.14	≤-21.06	PASS
		High	Hop_2480	3.86	-46.17	≤-16.14	PASS
2DH5	Ant1	Low	2402	-0.41	-46.68	≤-20.41	PASS
		High	2480	3.32	-46.46	≤-16.68	PASS
		Low	Hop_2402	-3.12	-46.54	≤-23.12	PASS
		High	Hop_2480	4.32	-45.56	≤-15.68	PASS
3DH5	Ant1	Low	2402	-0.32	-46.17	≤-20.32	PASS
		High	2480	2.99	-46.41	≤-17.01	PASS
		Low	Hop_2402	-4.77	-46.8	≤-24.77	PASS
		High	Hop_2480	3.97	-46.4	≤-16.03	PASS



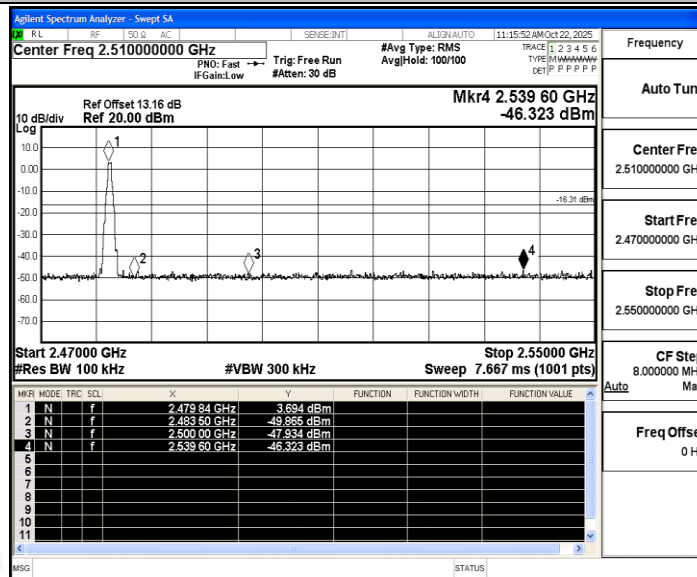


Test Graphs

DH5_Ant1_Low_2402



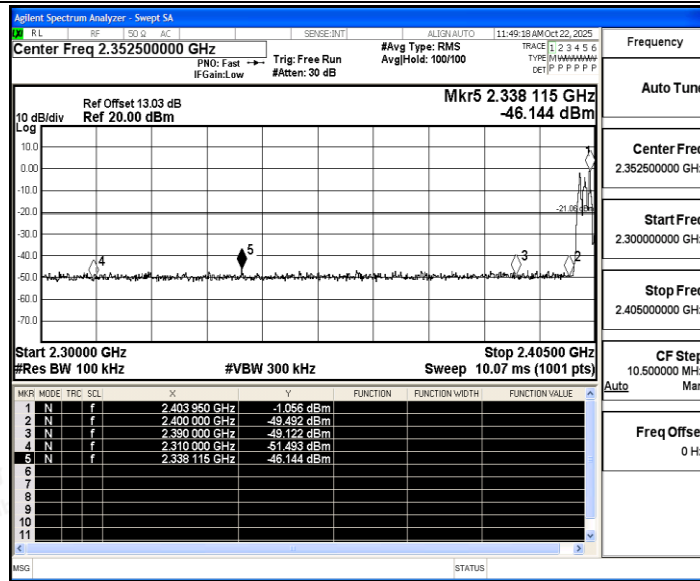
DH5_Ant1_High_2480



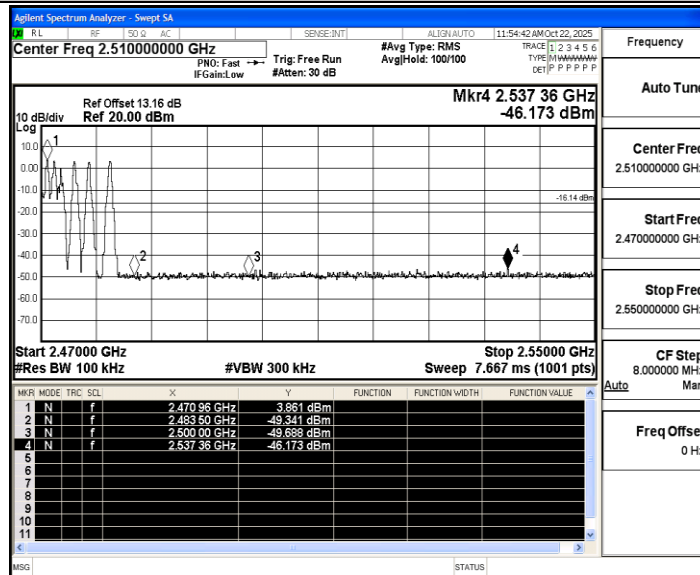
DH5_Ant1_Low_Hop_2402



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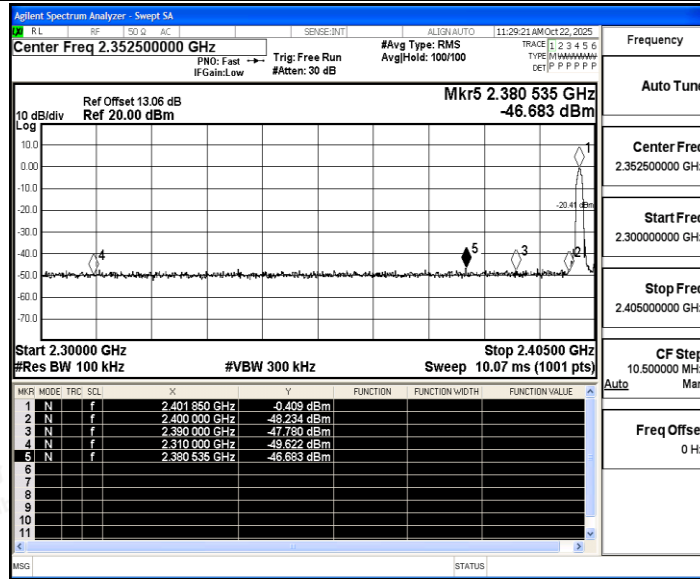


DH5_Ant1_High_Hop_2480

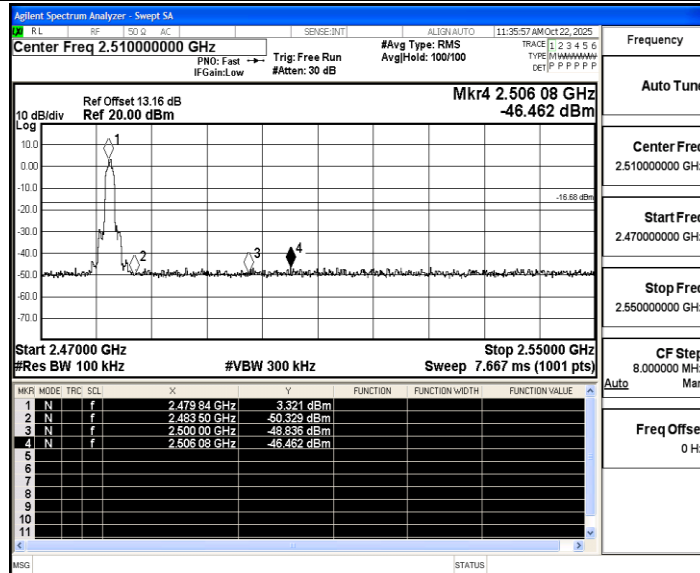


2DH5_Ant1_Low_2402





2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

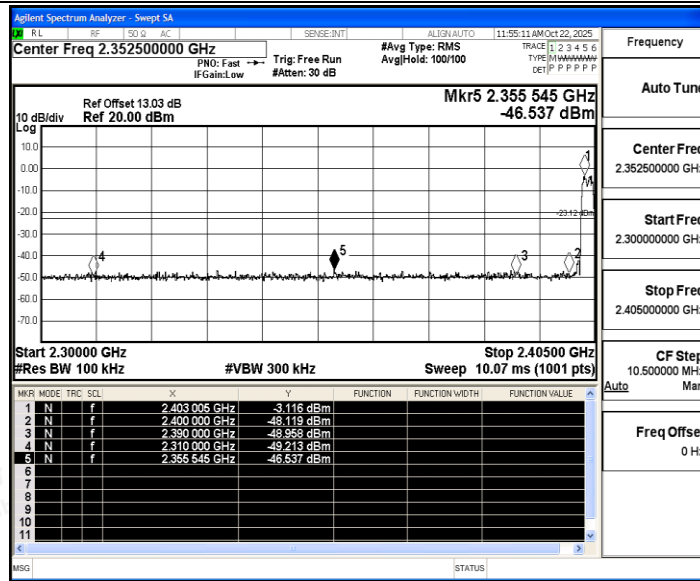


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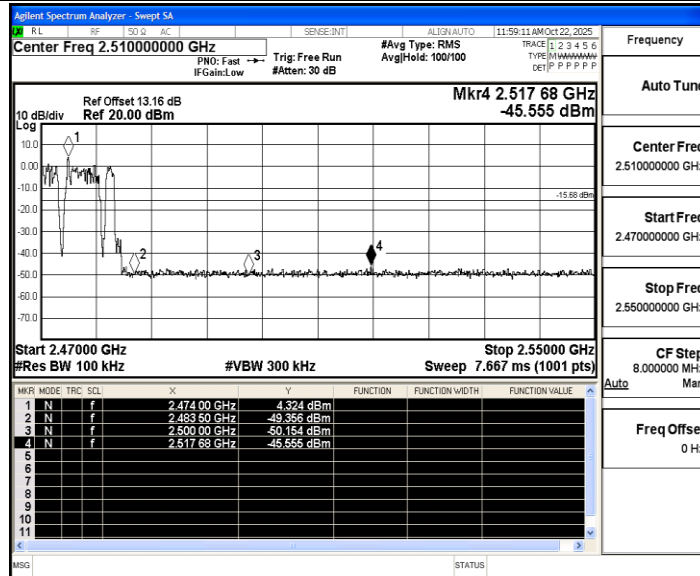
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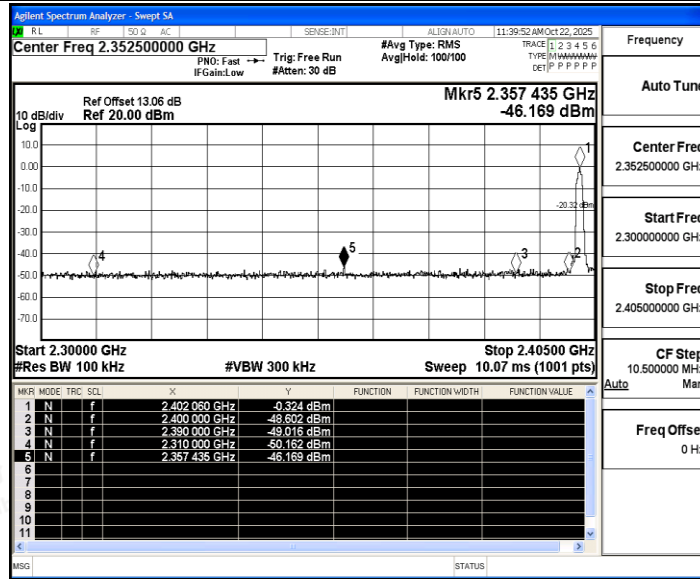


2DH5_Ant1_High_Hop_2480

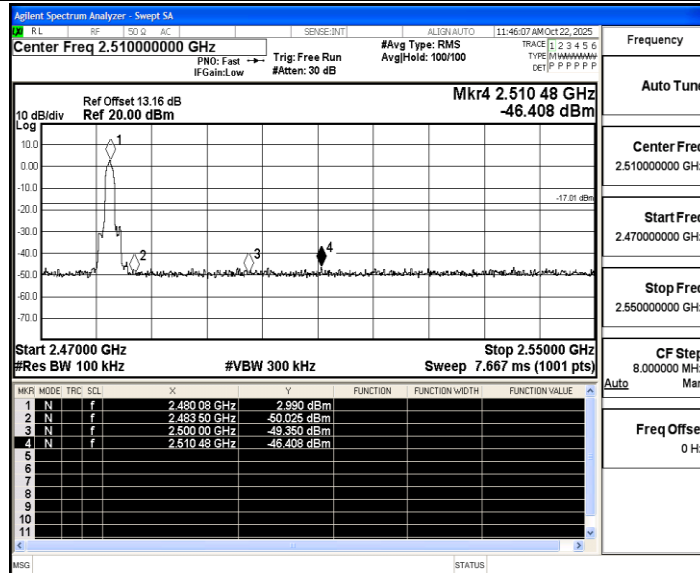


3DH5_Ant1_Low_2402



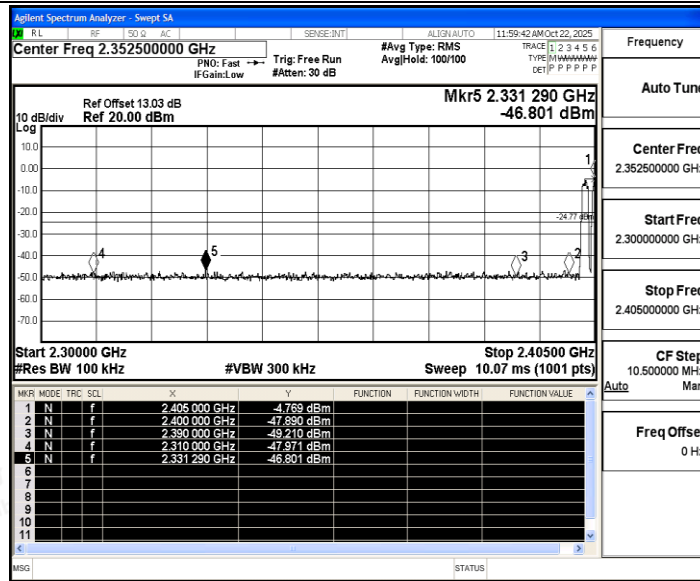


3DH5_Ant1_High_2480

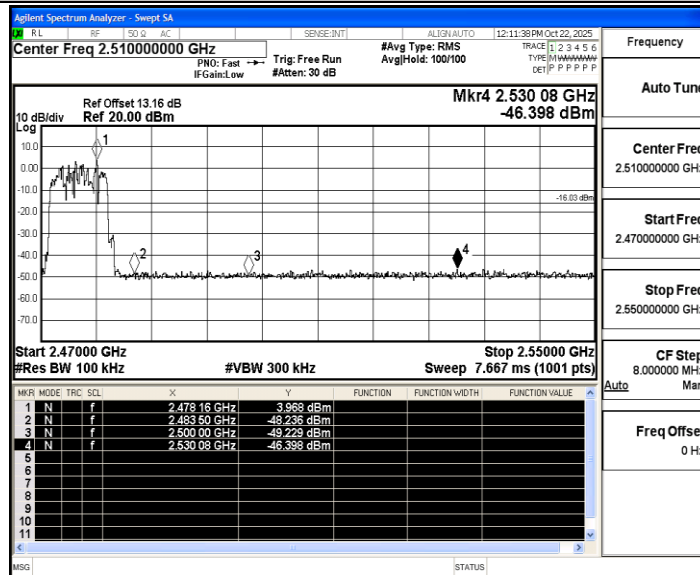


3DH5_Ant1_Low_Hop_2402





3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

Test Result

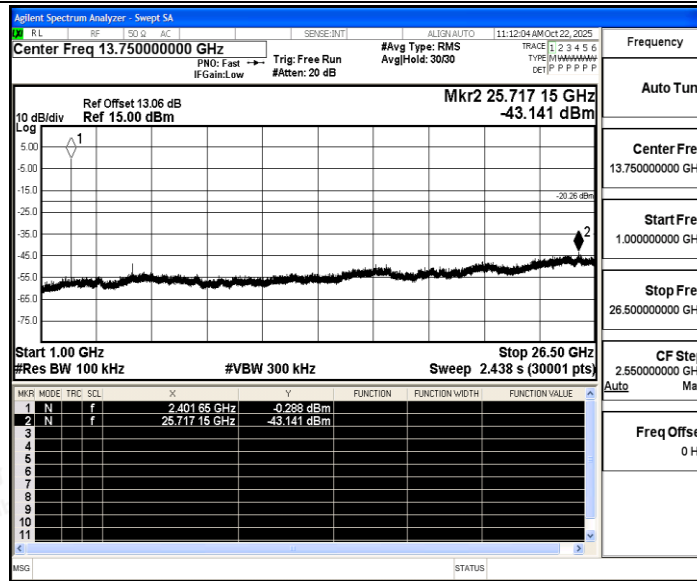
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.26	-0.26	---	PASS
			30~1000	-0.26	-57.3	≤ -20.26	PASS
			1000~26500	-0.26	-43.14	≤ -20.26	PASS
		2441	Reference	2.52	2.52	---	PASS
			30~1000	2.52	-57.05	≤ -17.48	PASS
			1000~26500	2.52	-44.33	≤ -17.48	PASS
		2480	Reference	2.87	2.87	---	PASS
			30~1000	2.87	-56.91	≤ -17.13	PASS
			1000~26500	2.87	-44.06	≤ -17.13	PASS
2DH5	Ant1	2402	Reference	-0.44	-0.44	---	PASS
			30~1000	-0.44	-56.97	≤ -20.44	PASS
			1000~26500	-0.44	-44.43	≤ -20.44	PASS
		2441	Reference	1.71	1.71	---	PASS
			30~1000	1.71	-57.29	≤ -18.29	PASS
			1000~26500	1.71	-44.23	≤ -18.29	PASS
		2480	Reference	3.47	3.47	---	PASS
			30~1000	3.47	-57	≤ -16.53	PASS
			1000~26500	3.47	-44.69	≤ -16.53	PASS
3DH5	Ant1	2402	Reference	-2.18	-2.18	---	PASS
			30~1000	-2.18	-57.28	≤ -22.18	PASS
			1000~26500	-2.18	-44.54	≤ -22.18	PASS
		2441	Reference	2.25	2.25	---	PASS
			30~1000	2.25	-57.52	≤ -17.75	PASS
			1000~26500	2.25	-44	≤ -17.75	PASS
		2480	Reference	1.13	1.13	---	PASS
			30~1000	1.13	-56.11	≤ -18.87	PASS
			1000~26500	1.13	-44.53	≤ -18.87	PASS



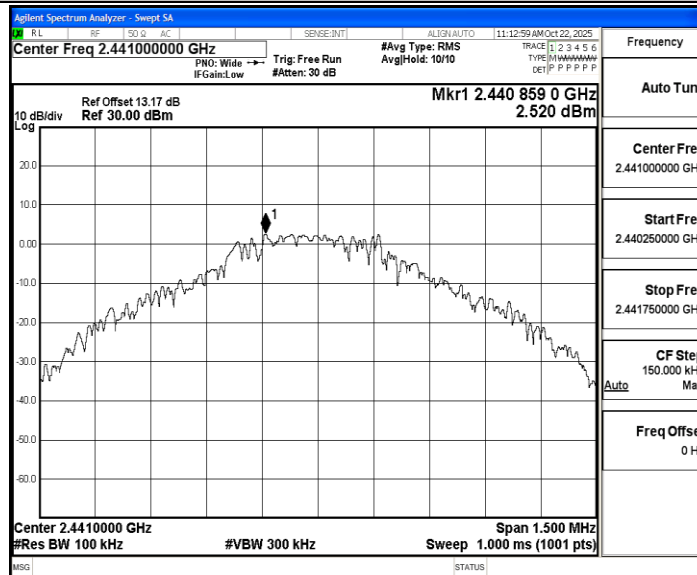


Test Graphs



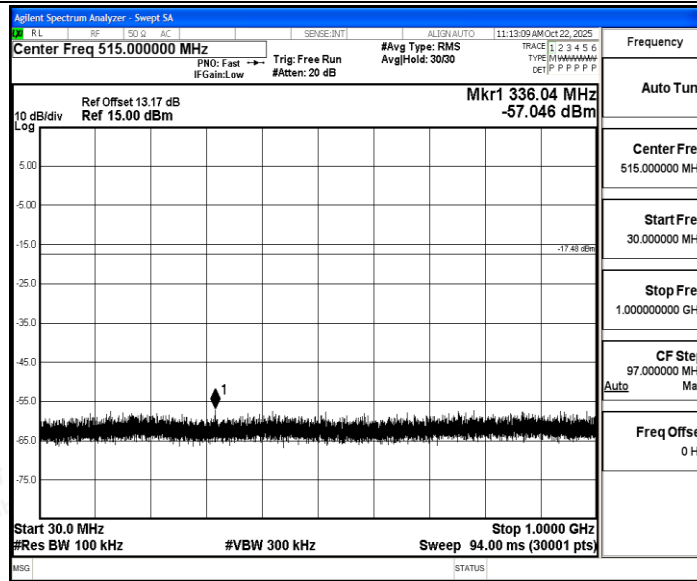


DH5_Ant1_2441_0~Reference

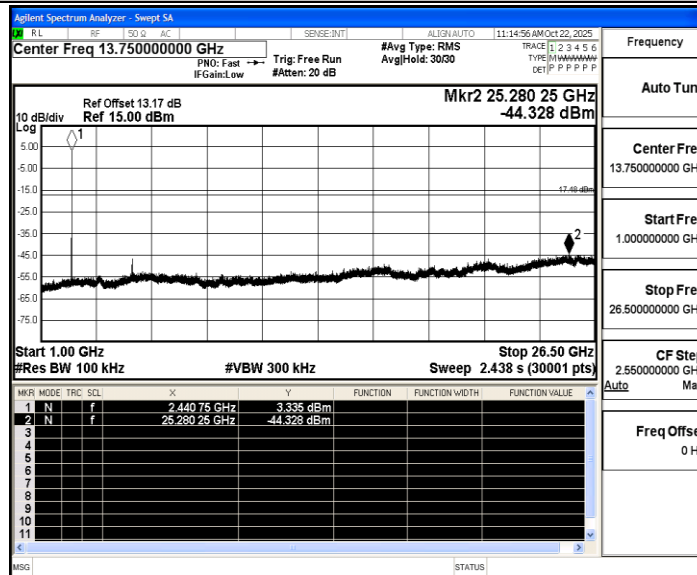


DH5_Ant1_2441_30~1000



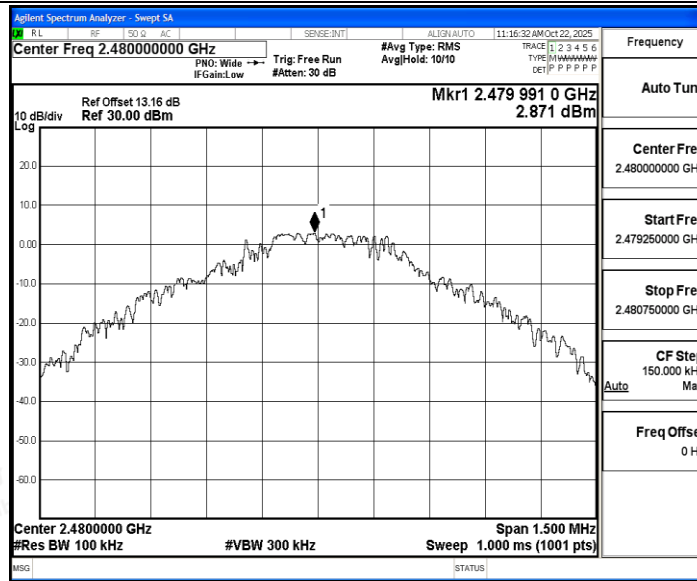


DH5_Ant1_2441_1000~26500

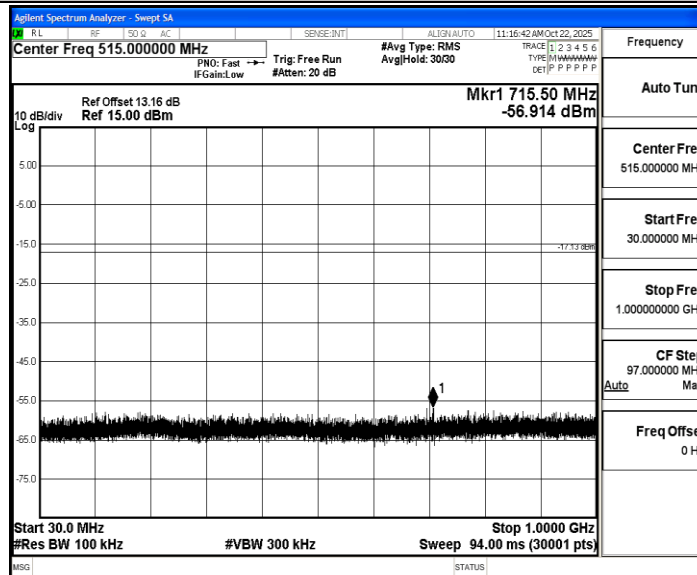


DH5_Ant1_2480_0~Reference





DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

