



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Hera Leto Temperature & Oxygen

Test Model: OLN400

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	<i>mening su</i> Mening Su
Supervised by:	<i>Li Huan</i> Li Huan





A.1 20dB Emission Bandwidth

Test Result

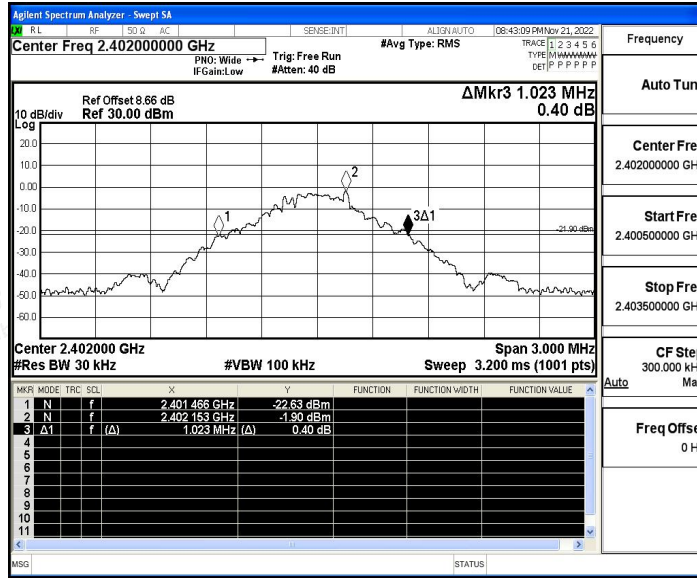
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	1.023	2401.466	2402.489	---
		2441	1.044	2440.454	2441.498	---
		2480	1.020	2479.469	2480.489	---
2DH5	Ant1	2402	1.296	2401.352	2402.648	---
		2441	1.320	2440.328	2441.648	---
		2480	1.290	2479.355	2480.645	---
3DH5	Ant1	2402	1.281	2401.346	2402.627	---
		2441	1.272	2440.358	2441.630	---
		2480	1.299	2479.340	2480.639	---



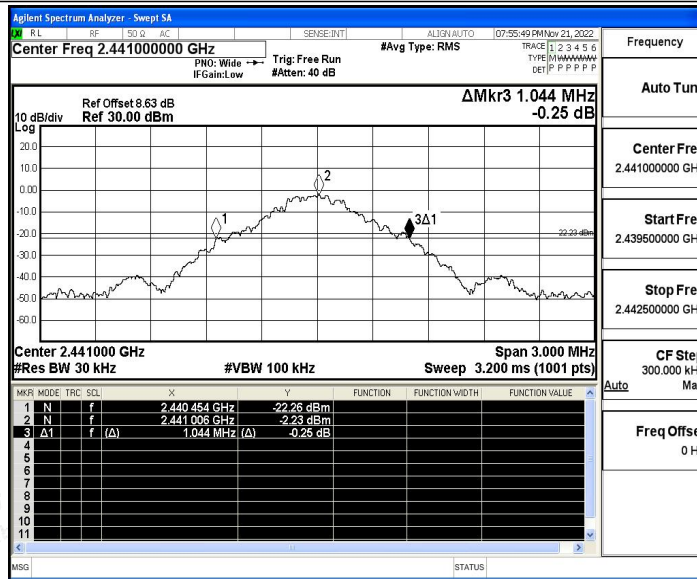


Test Graphs

DH5_Ant1_2402

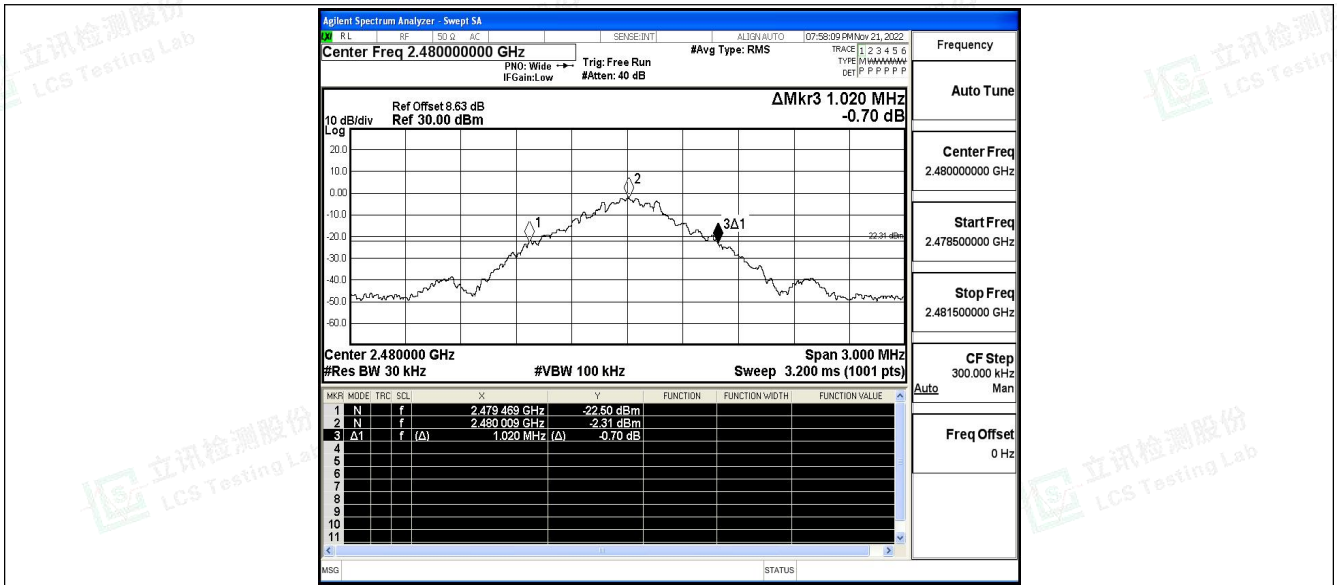


DH5_Ant1_2441

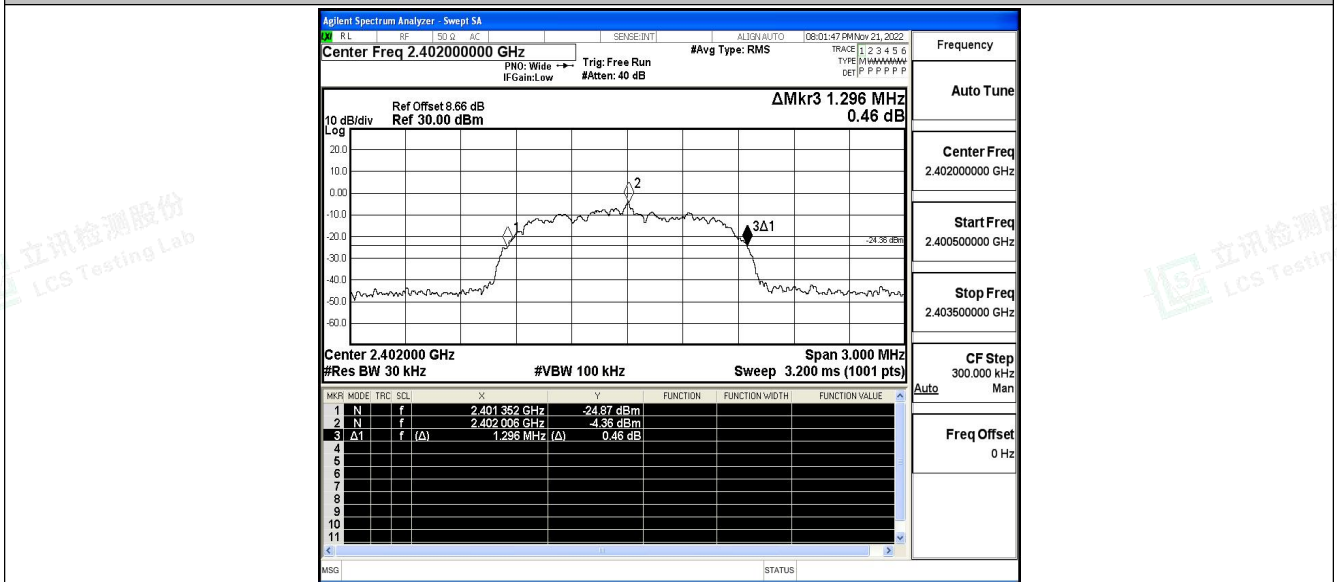


DH5_Ant1_2480



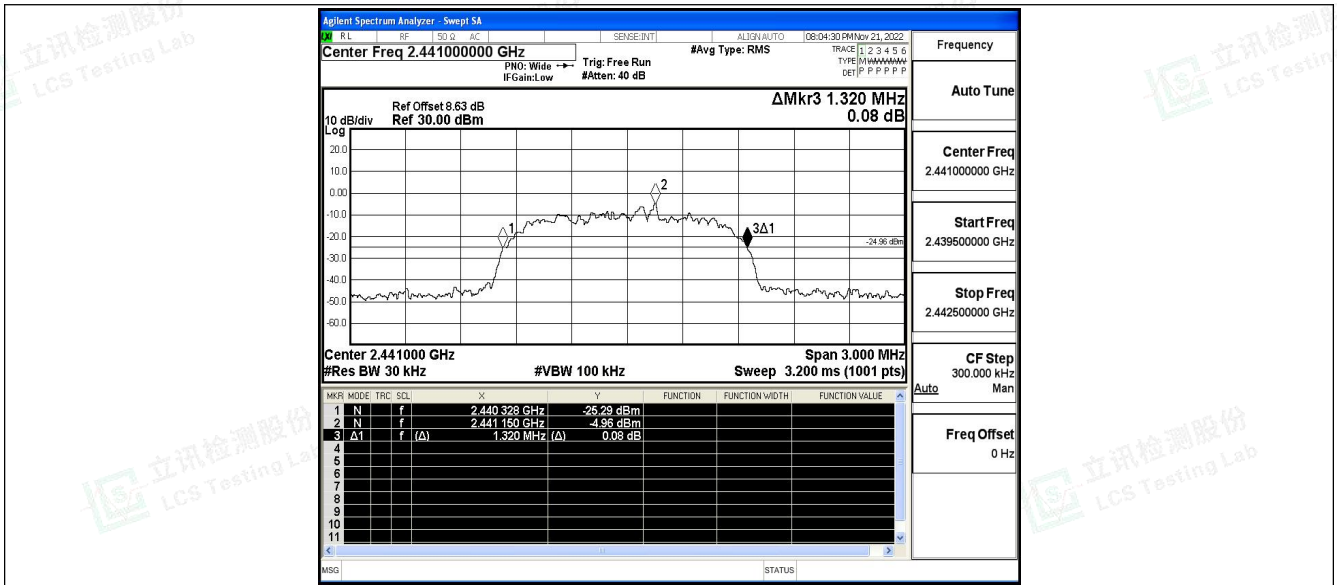


2DH5_Ant1_2402

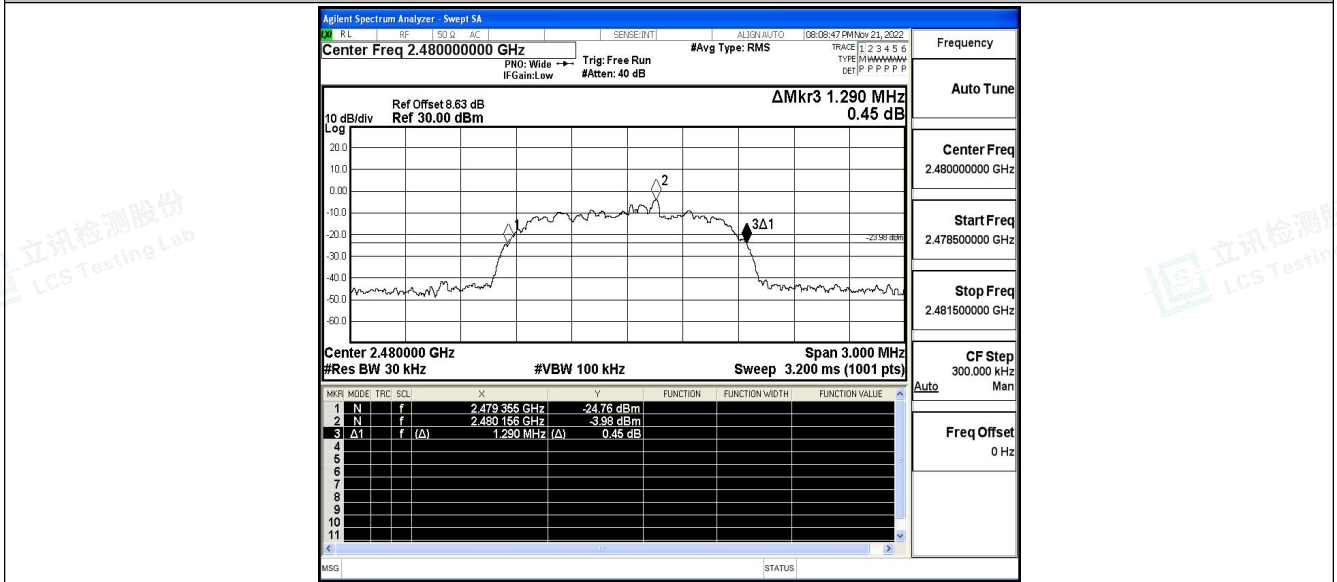


2DH5_Ant1_2441



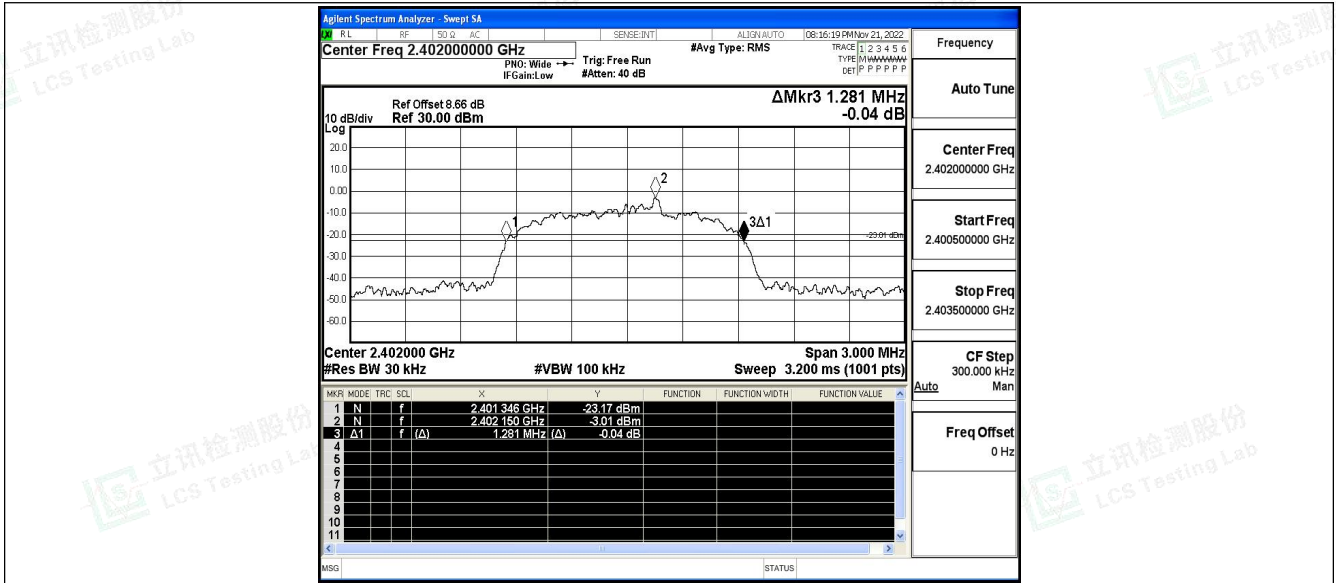


2DH5_Ant1_2480

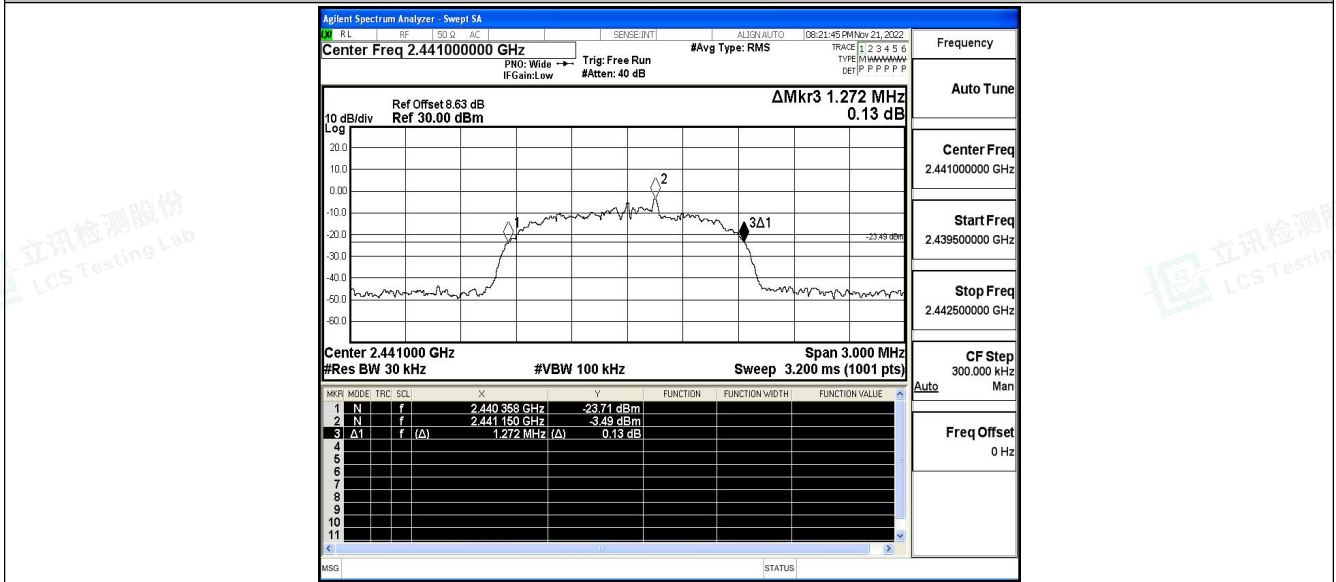


3DH5_Ant1_2402



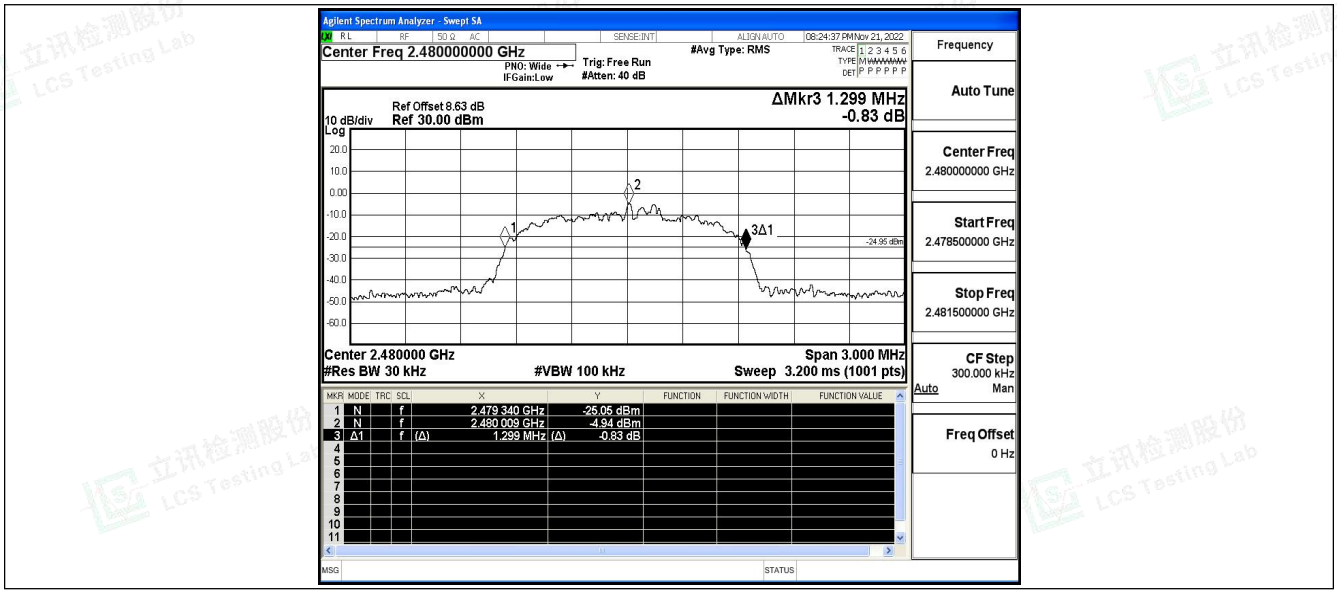


3DH5_Ant1_2441



3DH5_Ant1_2480







A.2 Maximum conducted output power

Test Result

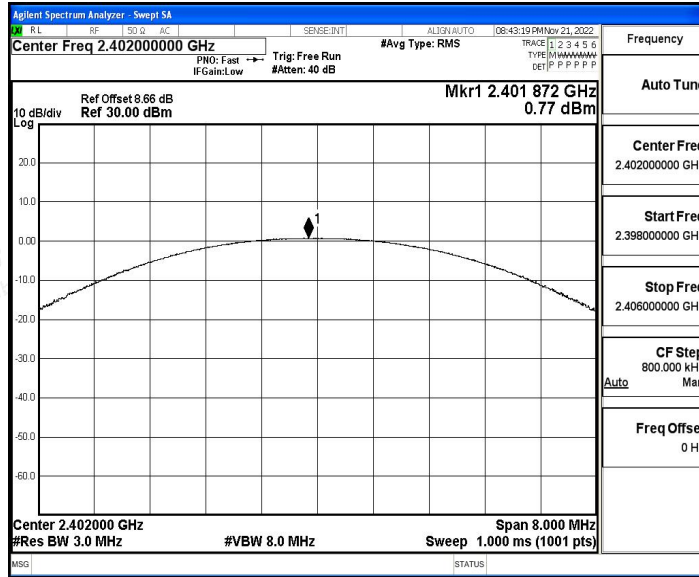
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.77	≤20.97	PASS
		2441	0.81	≤20.97	PASS
		2480	0.76	≤20.97	PASS
2DH5	Ant1	2402	0.43	≤20.97	PASS
		2441	0.49	≤20.97	PASS
		2480	0.39	≤20.97	PASS
3DH5	Ant1	2402	0.51	≤20.97	PASS
		2441	0.64	≤20.97	PASS
		2480	0.48	≤20.97	PASS



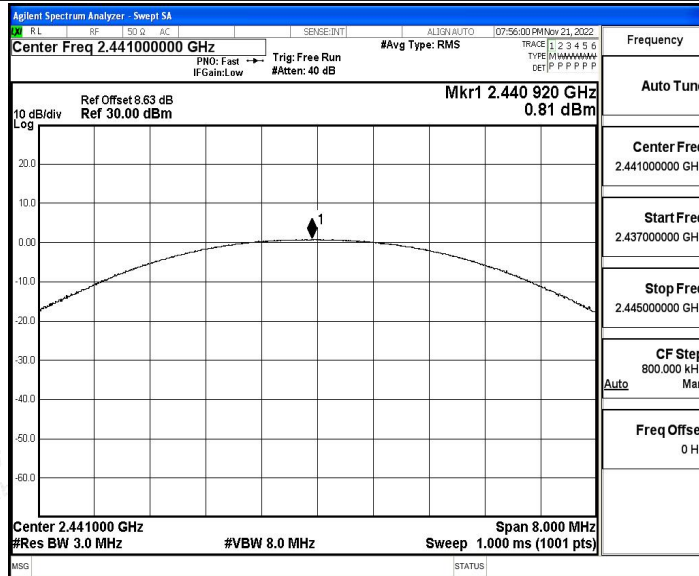


Test Graphs

DH5_Ant1_2402

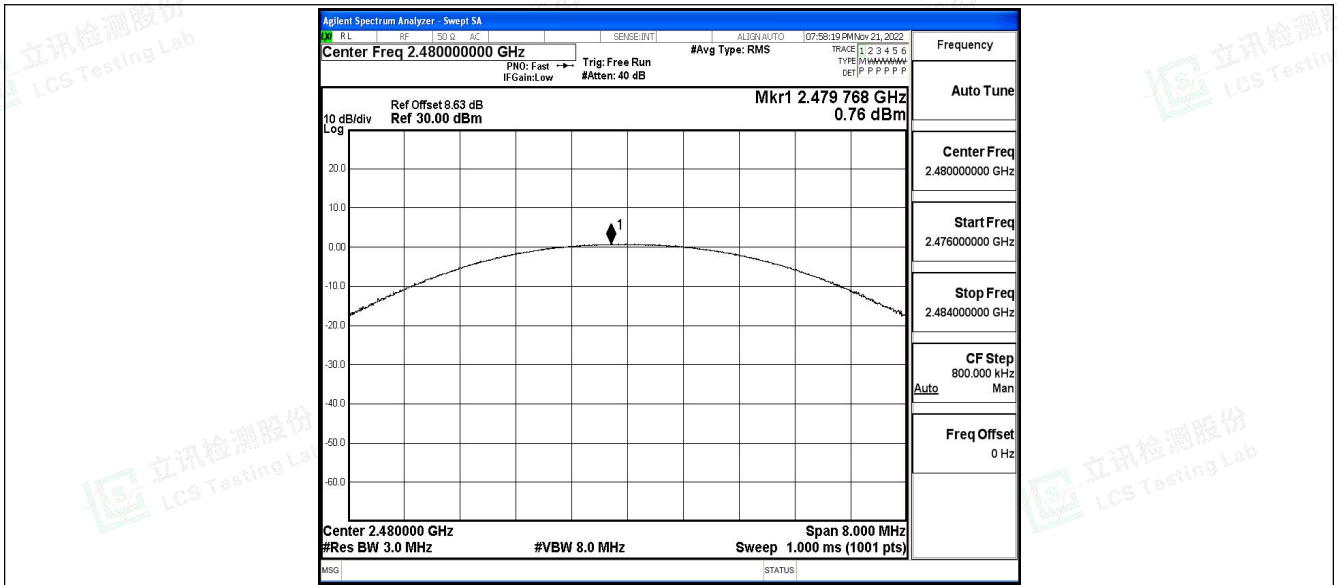


DH5_Ant1_2441

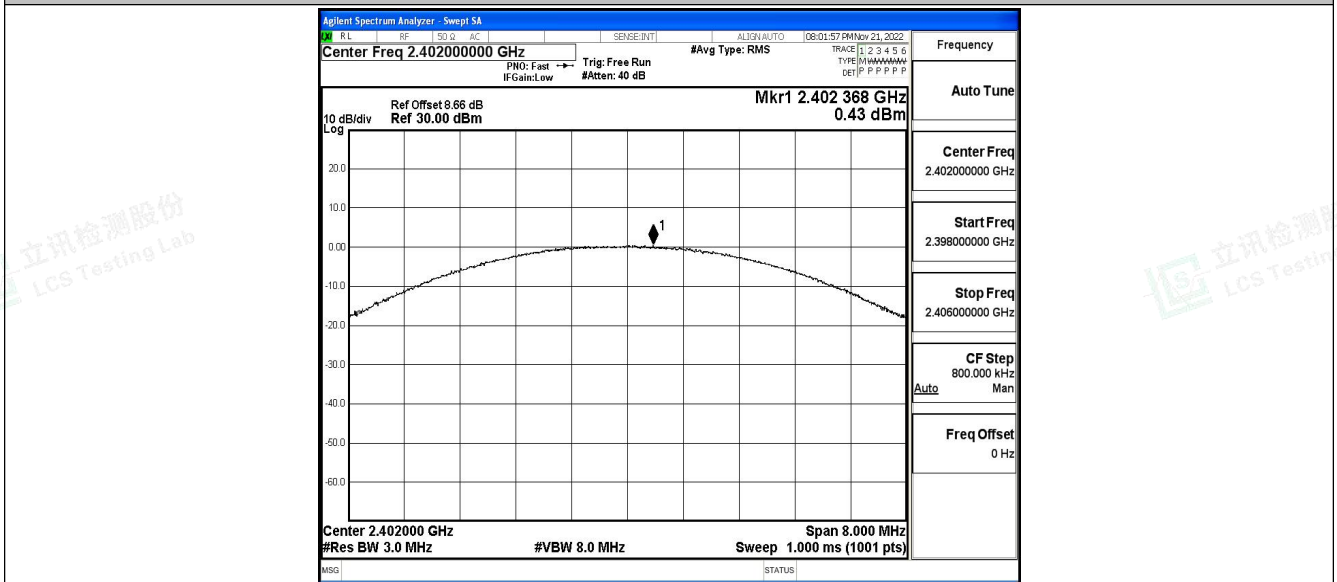


DH5_Ant1_2480



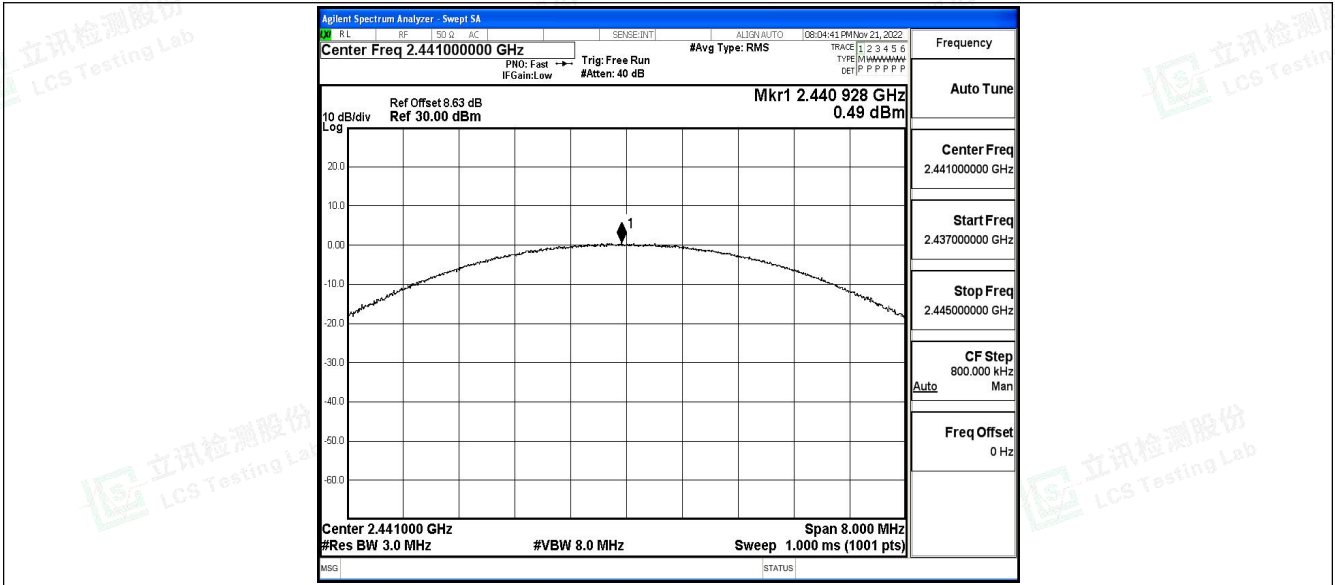


2DH5_Ant1_2402

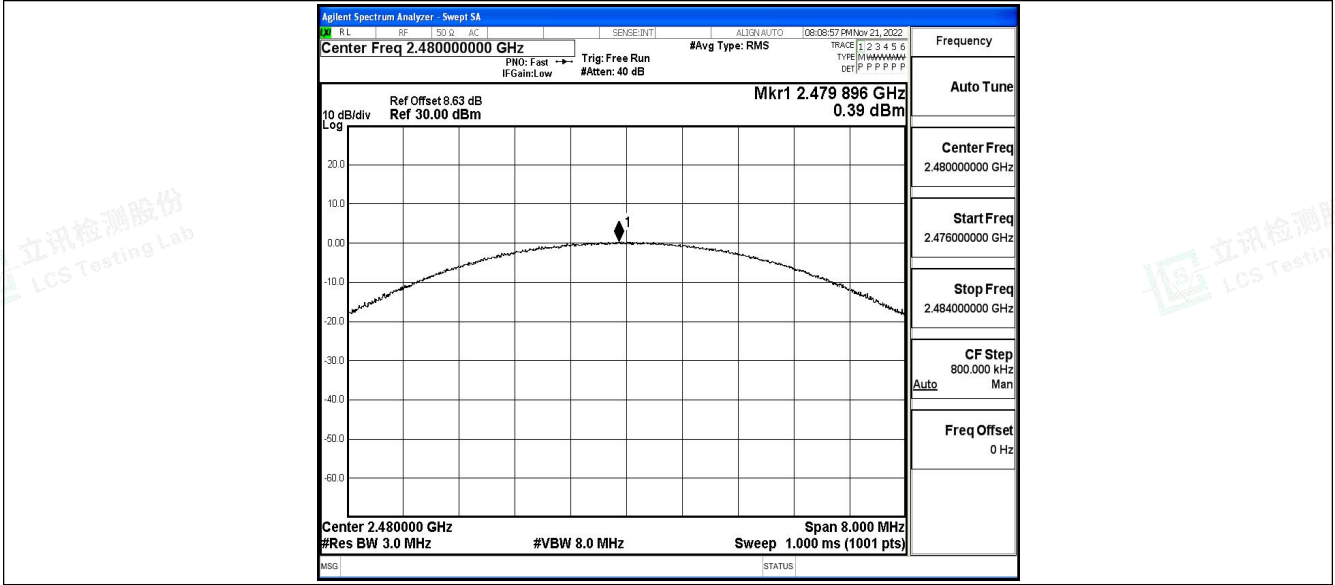


2DH5_Ant1_2441



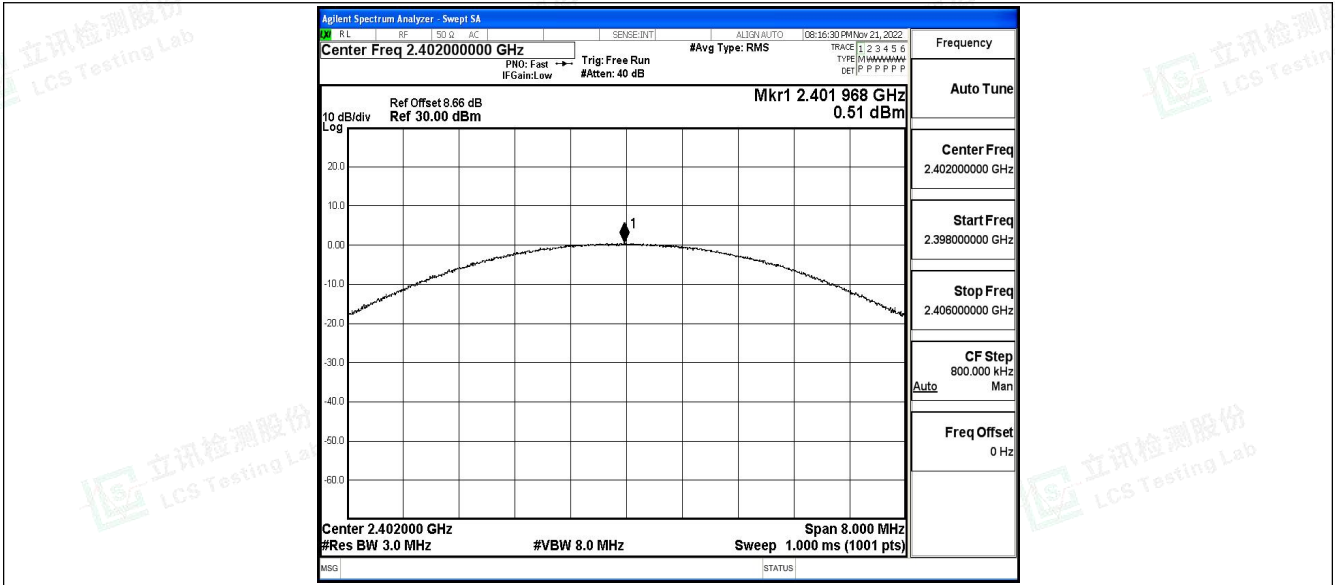


2DH5_Ant1_2480

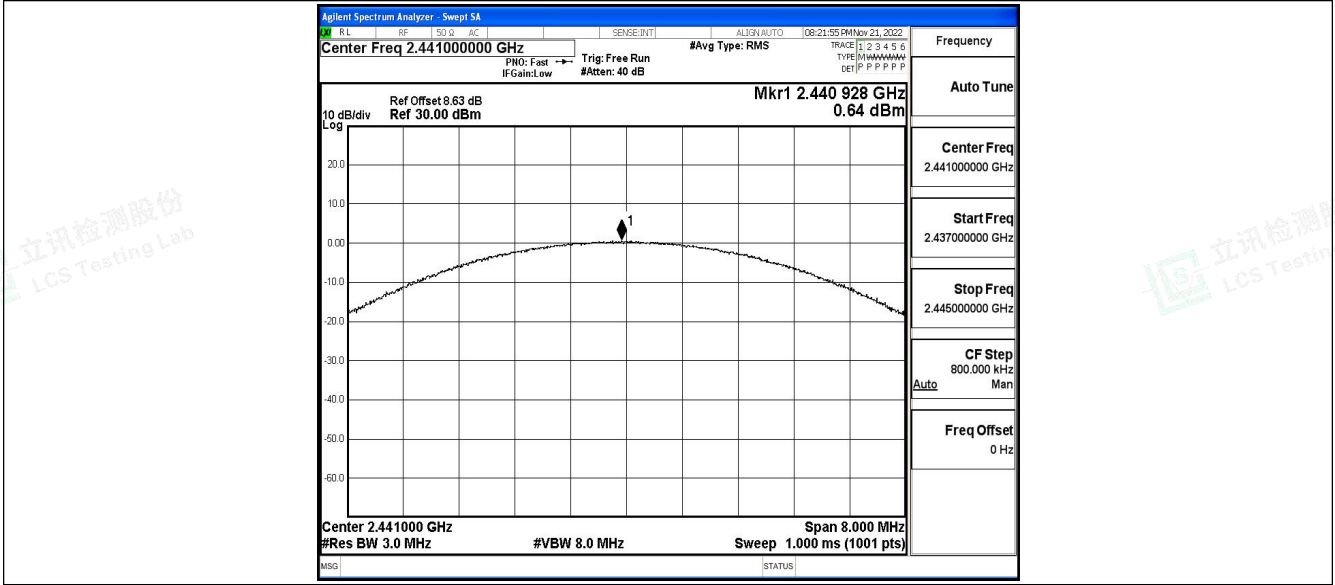


3DH5_Ant1_2402



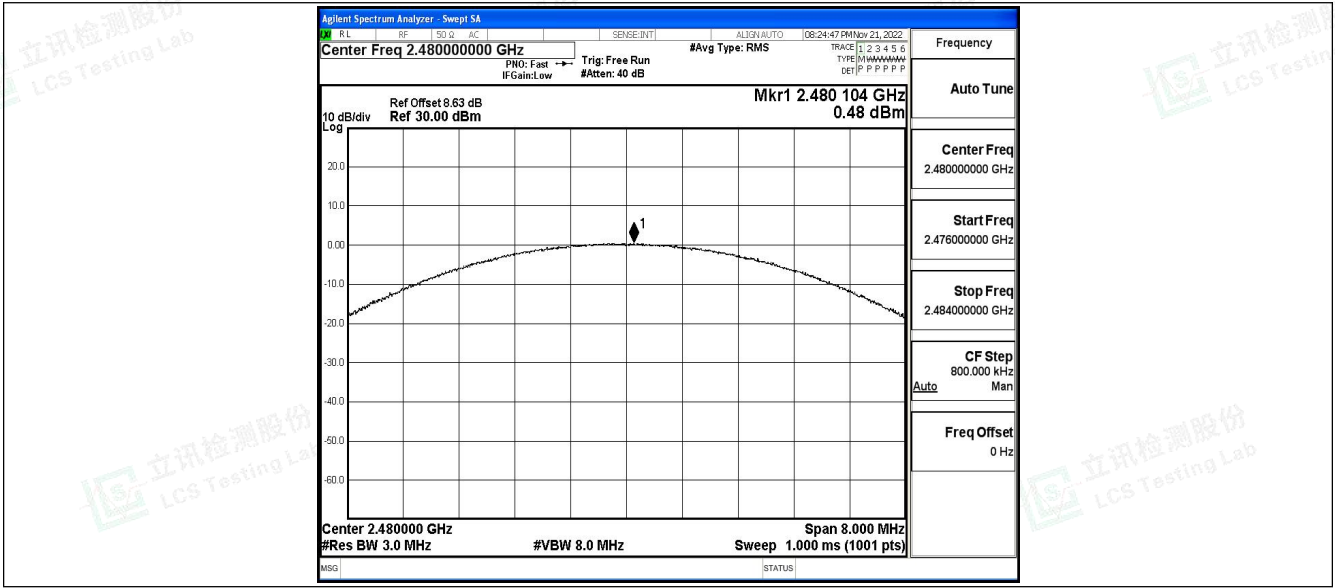


3DH5_Ant1_2441



3DH5_Ant1_2480







A.3 Carrier frequency separation

Test Result

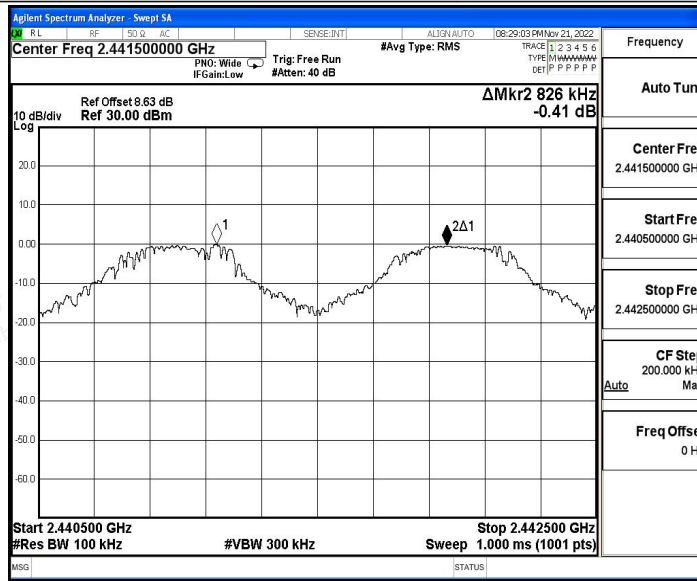
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.826	≥0.696	PASS
2DH5	Ant1	Hop	0.902	≥0.880	PASS
3DH5	Ant1	Hop	0.882	≥0.866	PASS



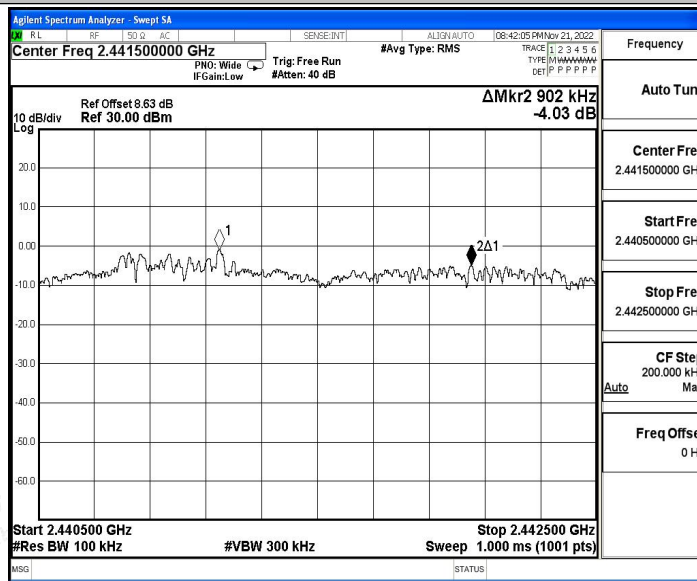


Test Graphs

DH5_Ant1_Hop

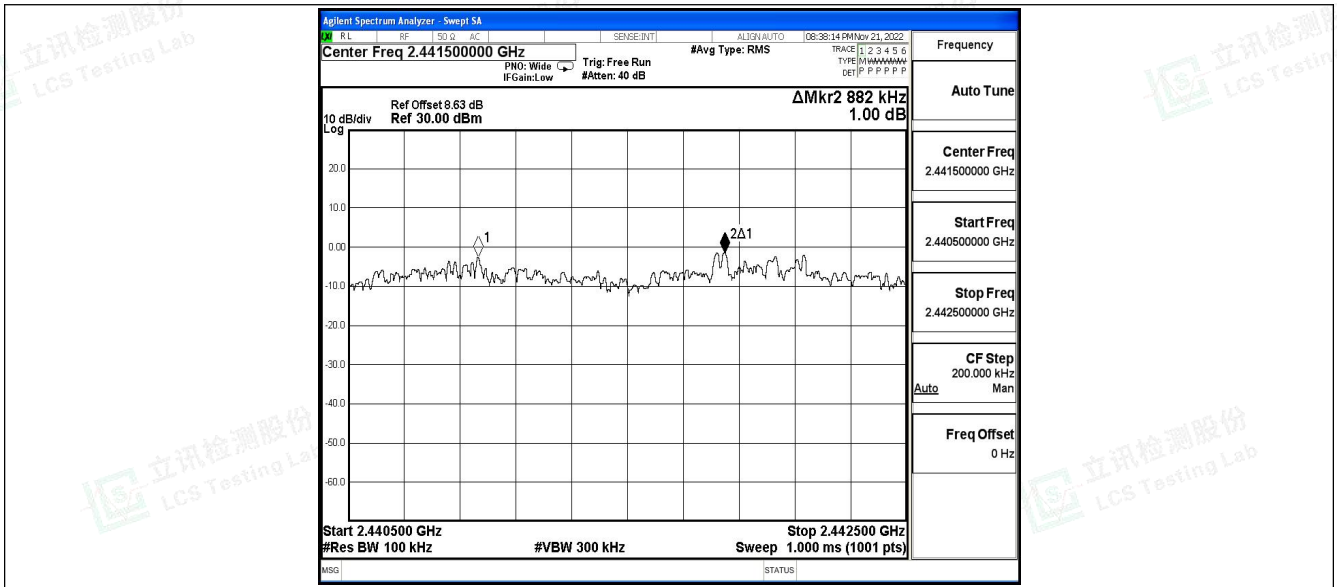


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.4 Time of occupancy

Test Result

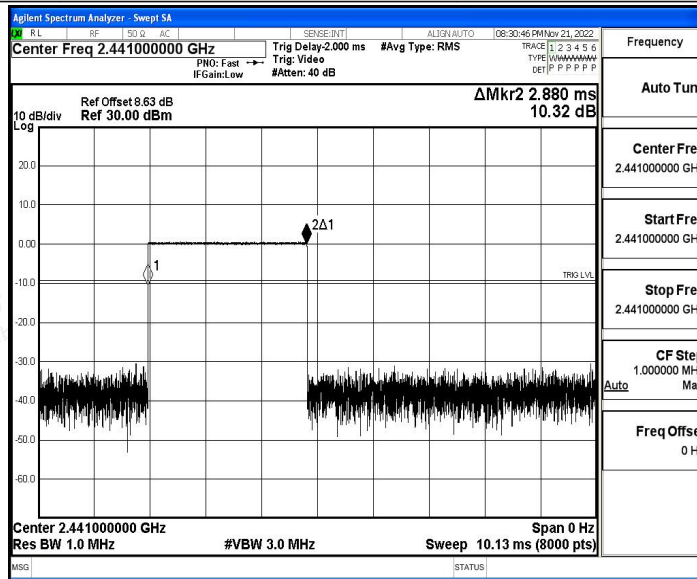
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS



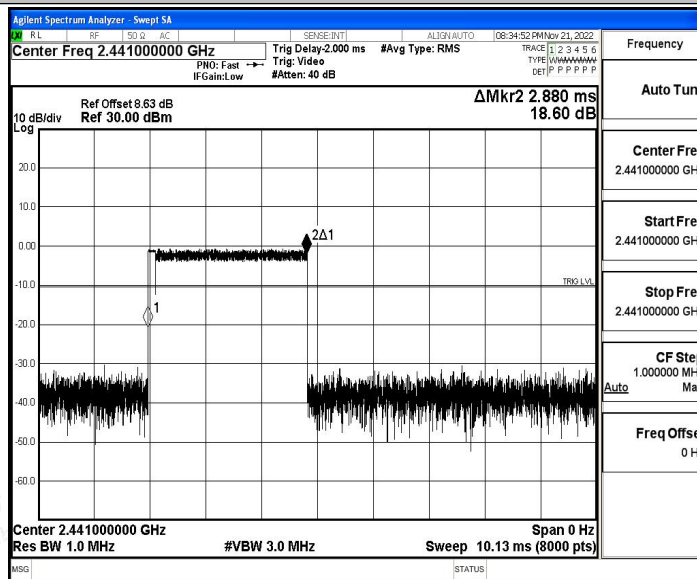


Test Graphs

DH5_Ant1_Hop

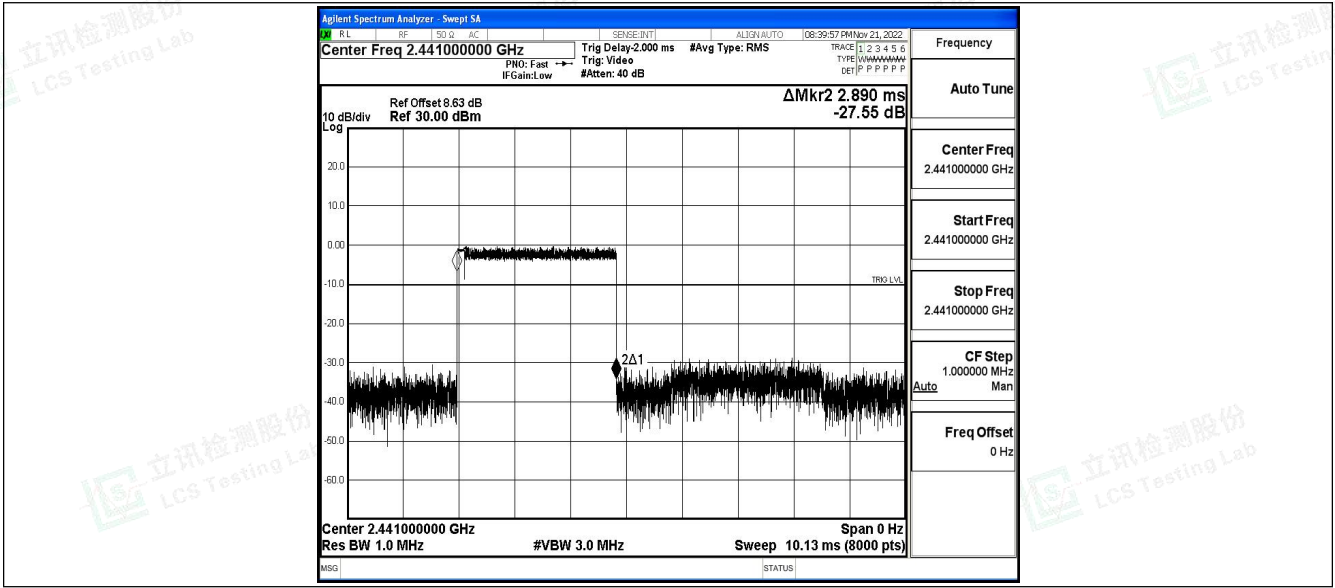


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.5 Number of hopping channels

Test Result

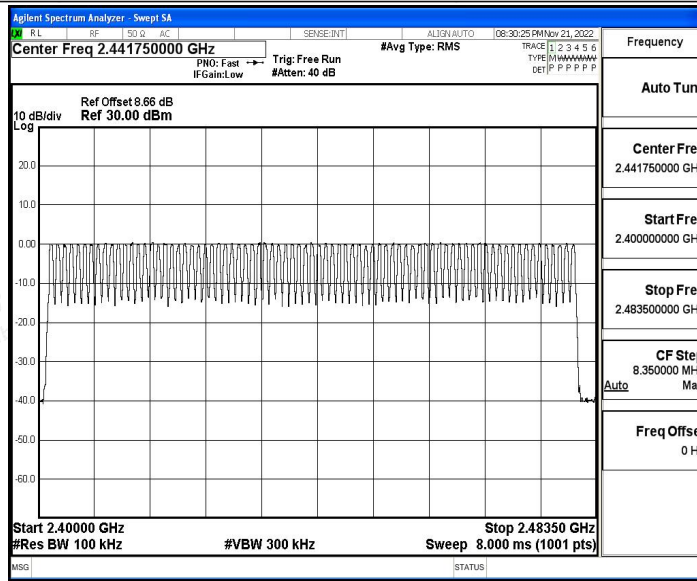
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



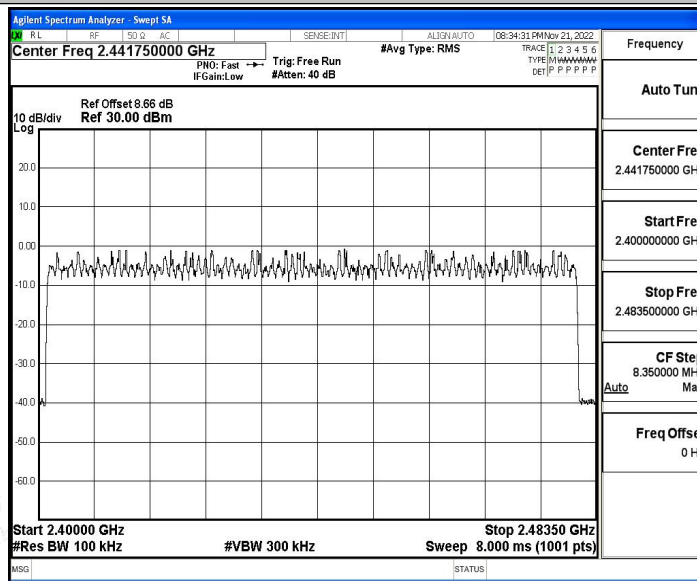


Test Graphs

DH5_Ant1_Hop

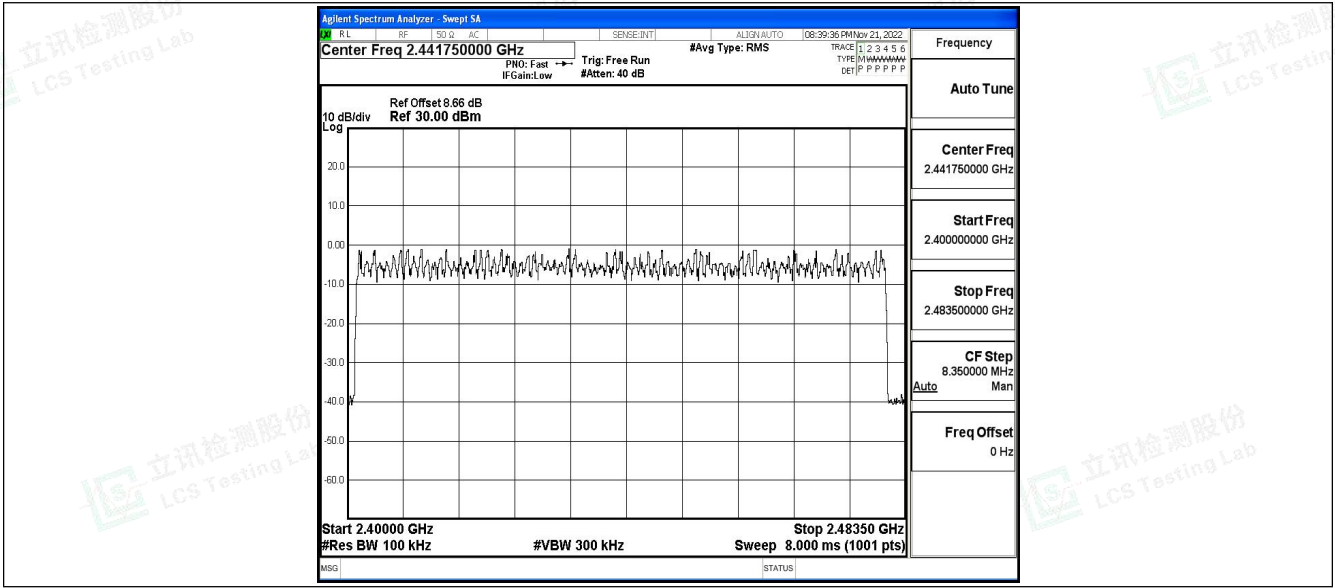


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.6 Band edge measurements

Test Result

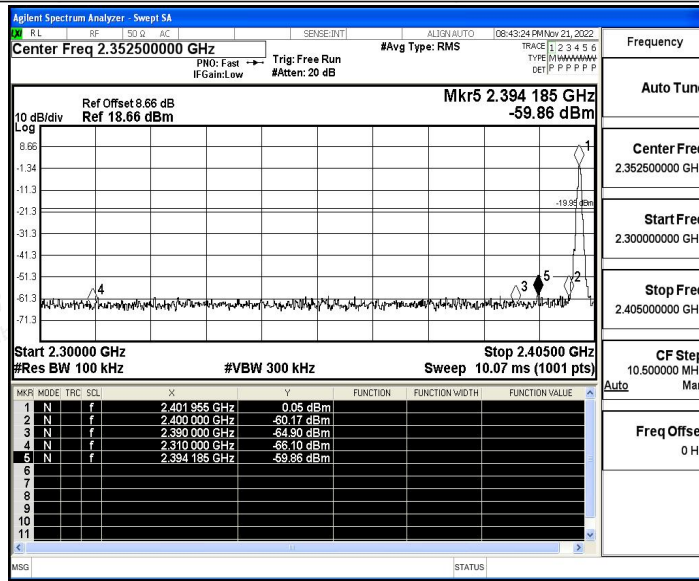
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.05	-59.86	≤-19.95	PASS
		High	2480	-0.19	-58.96	≤-20.19	PASS
		Low	Hop_2402	-0.35	-58.76	≤-20.35	PASS
		High	Hop_2480	-0.04	-57.72	≤-20.04	PASS
2DH5	Ant1	Low	2402	-5.81	-57.55	≤-25.81	PASS
		High	2480	-5.45	-58.74	≤-25.45	PASS
		Low	Hop_2402	-3.83	-58.36	≤-23.83	PASS
		High	Hop_2480	-2.78	-57.92	≤-22.78	PASS
3DH5	Ant1	Low	2402	-6.08	-59.4	≤-26.08	PASS
		High	2480	-3.58	-58.19	≤-23.58	PASS
		Low	Hop_2402	-2.39	-59.16	≤-22.39	PASS
		High	Hop_2480	-3.52	-57.73	≤-23.52	PASS



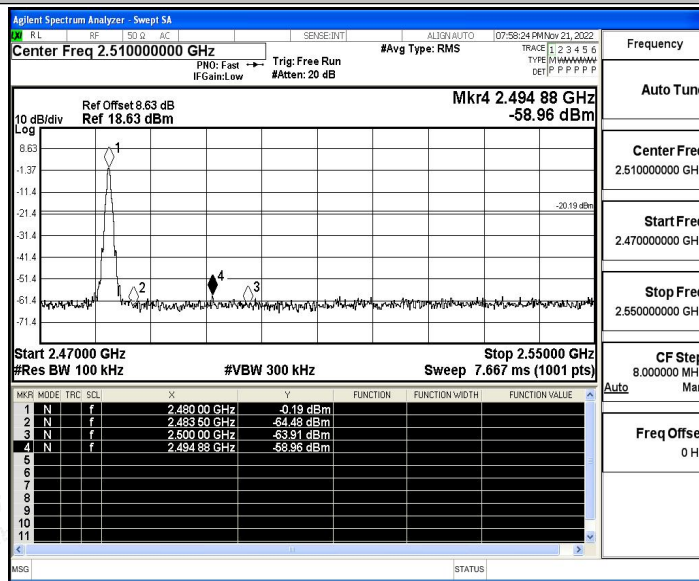


Test Graphs

DH5_Ant1_Low_2402

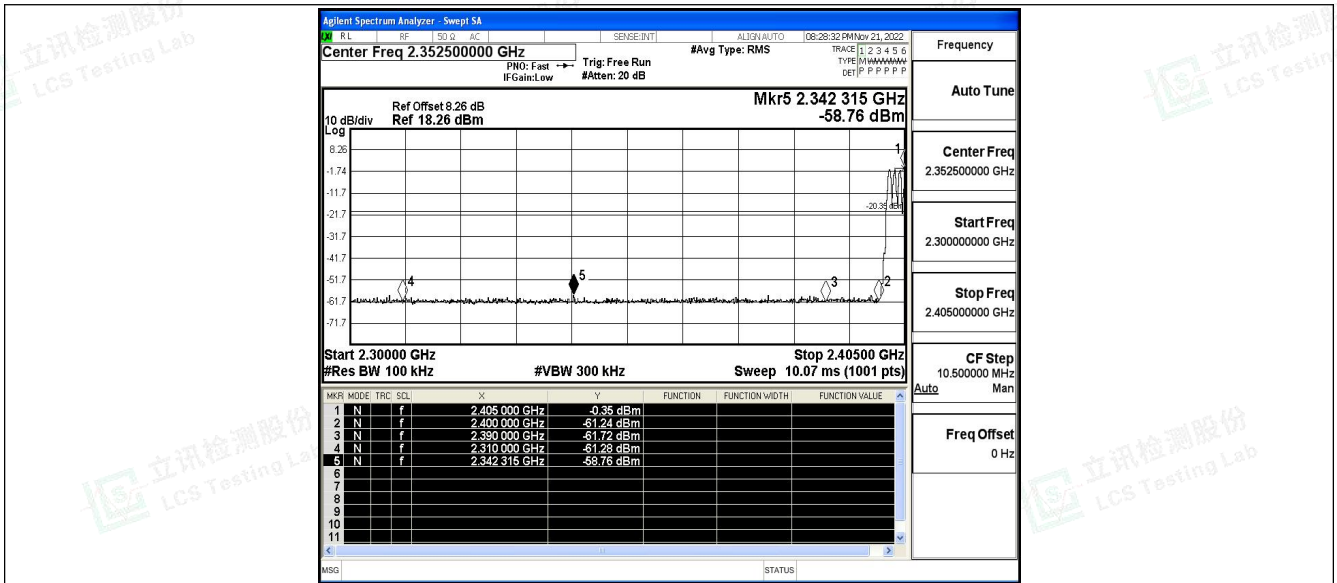


DH5_Ant1_High_2480

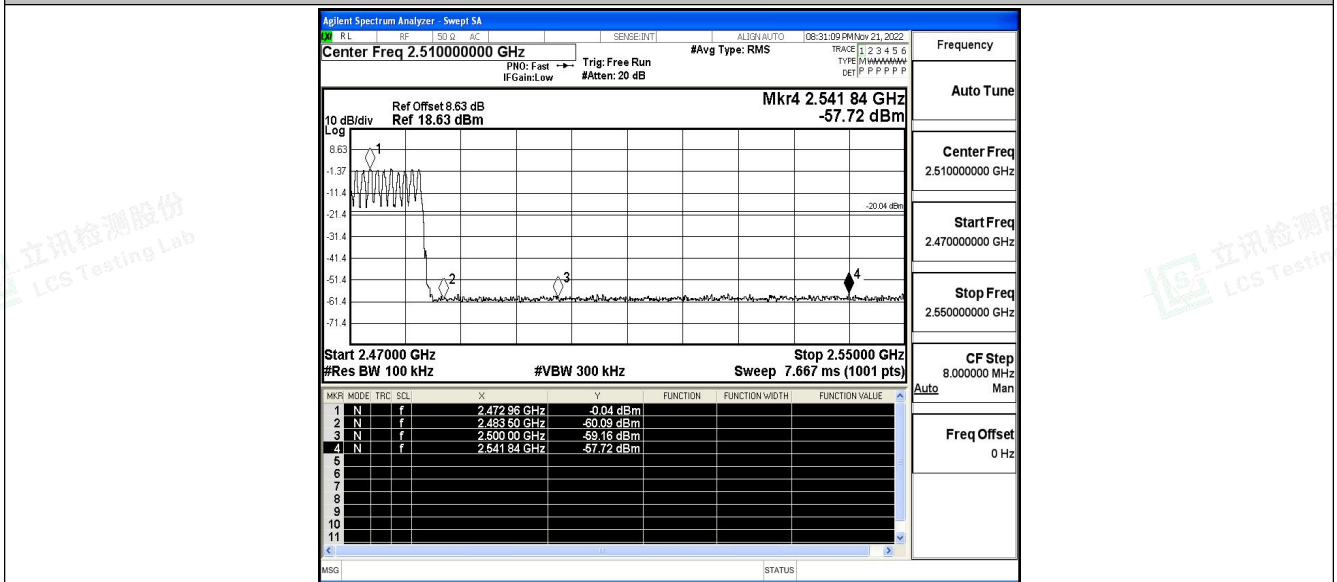


DH5_Ant1_Low_Hop_2402



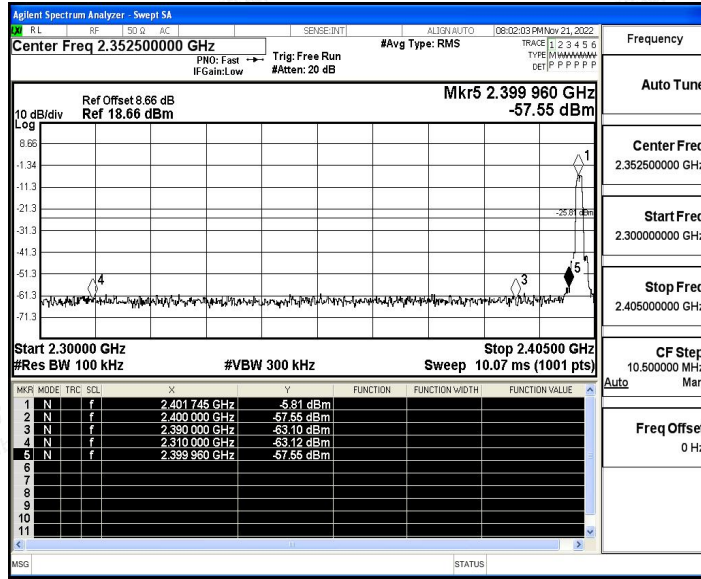


DH5_Ant1_High_Hop_2480

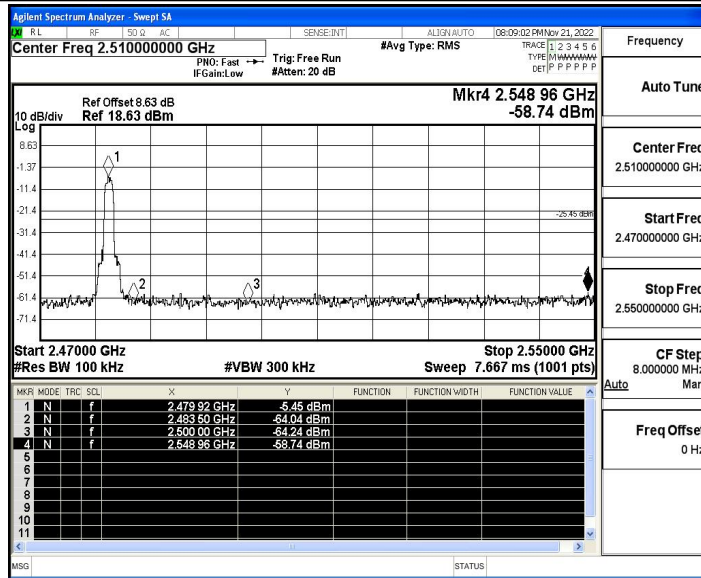


2DH5_Ant1_Low_2402



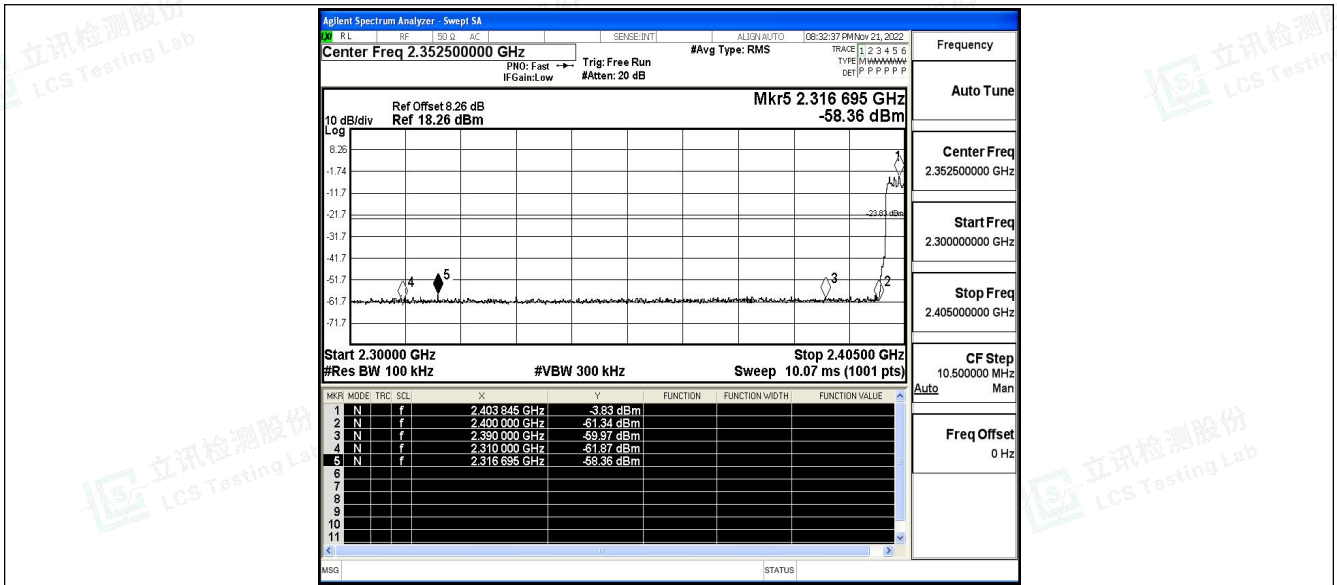


2DH5_Ant1_High_2480

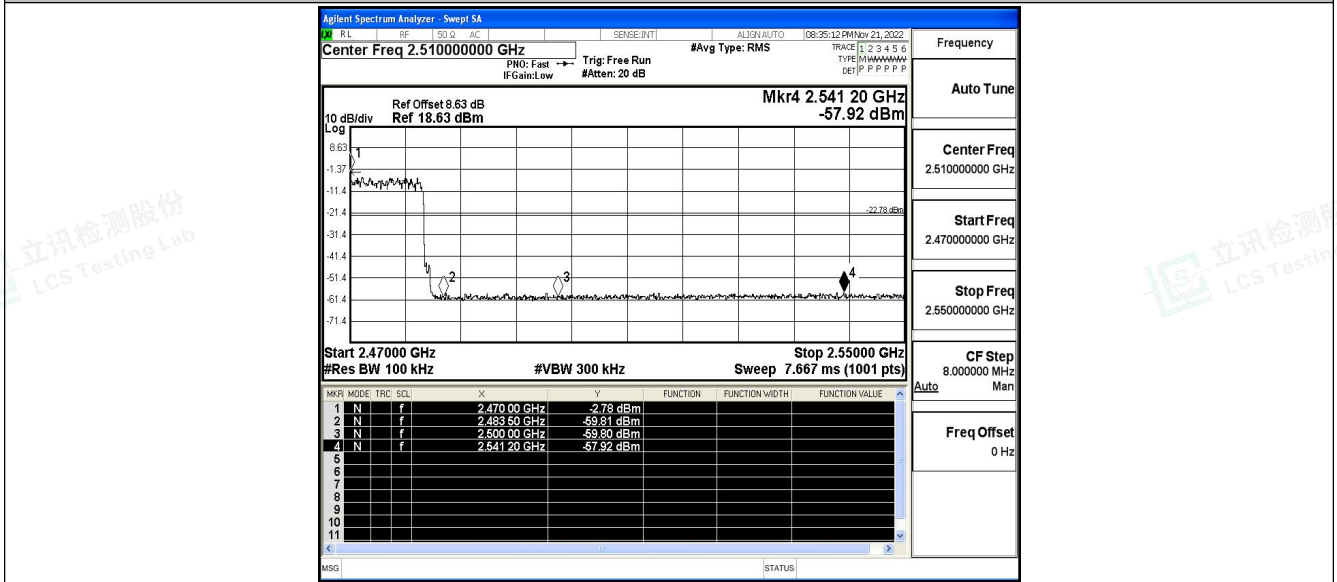


2DH5_Ant1_Low_Hop_2402





2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

