



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: wireless headset

Test Model: BW06-BT

Environmental Conditions

Temperature:	23.8 °C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Joker.Hu Joker Hu
Supervised by:	Jack cheng Jack Cheng





A.1 20dB Emission Bandwidth

Test Result

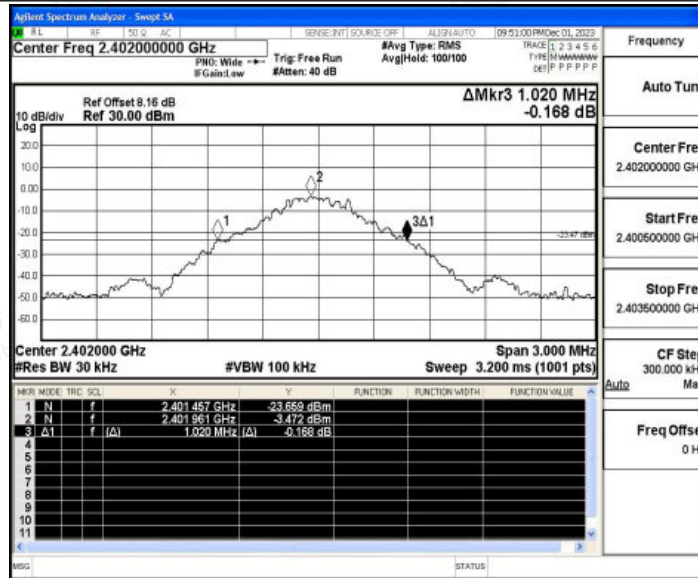
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	1.020	2401.457	2402.477	---
		2441	0.963	2440.508	2441.471	---
		2480	1.023	2479.457	2480.480	---
2DH5	Ant1	2402	1.290	2401.349	2402.639	---
		2441	1.287	2440.355	2441.642	---
		2480	1.296	2479.346	2480.642	---
3DH5	Ant1	2402	1.308	2401.334	2402.642	---
		2441	1.314	2440.331	2441.645	---
		2480	1.314	2479.331	2480.645	---



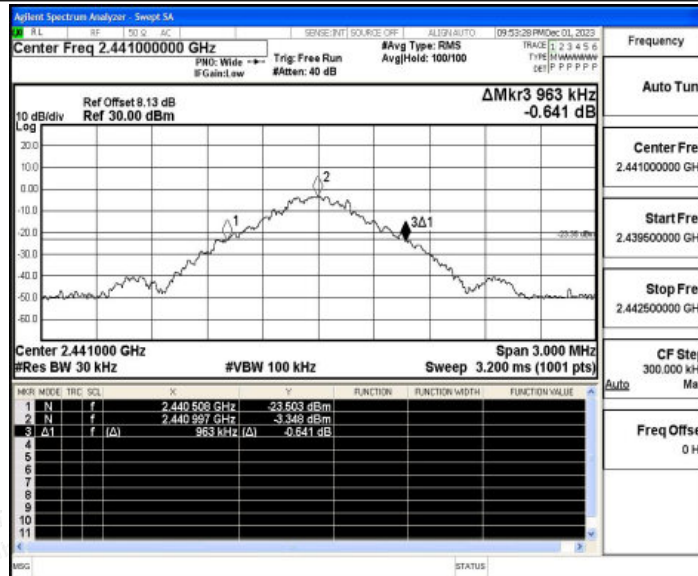


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

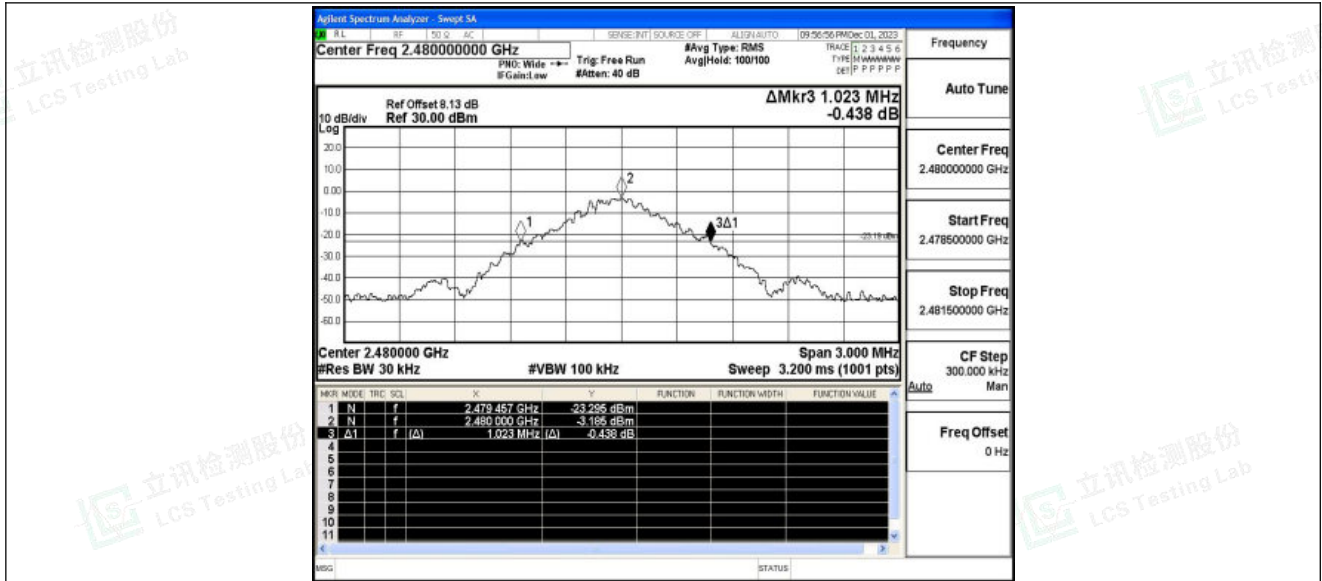


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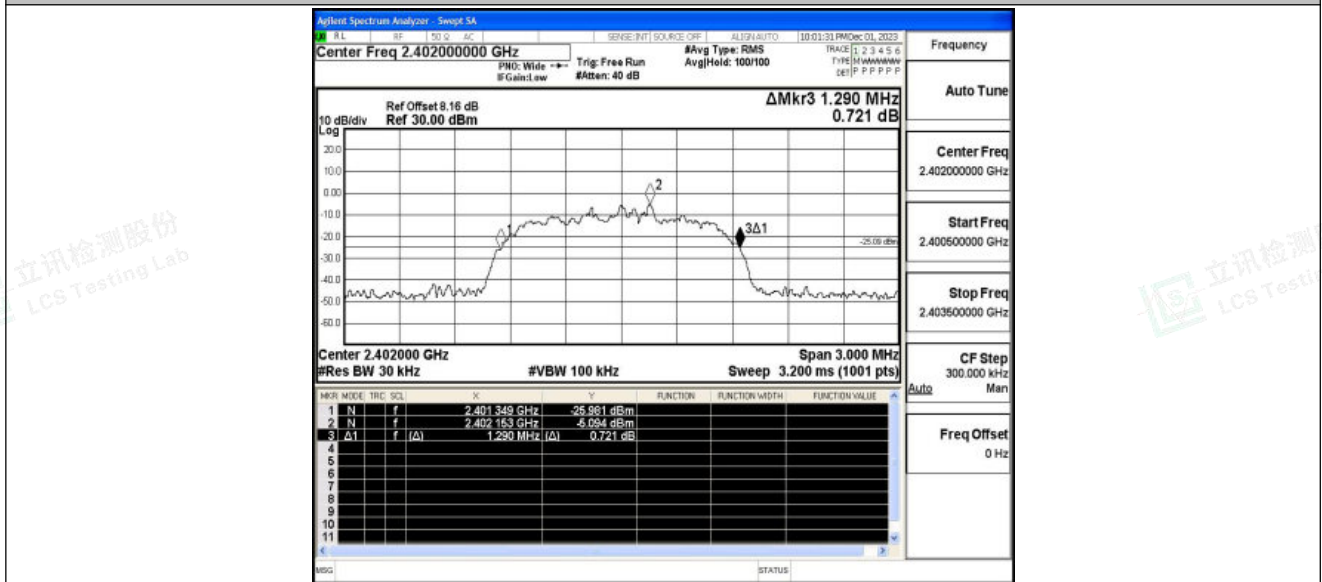
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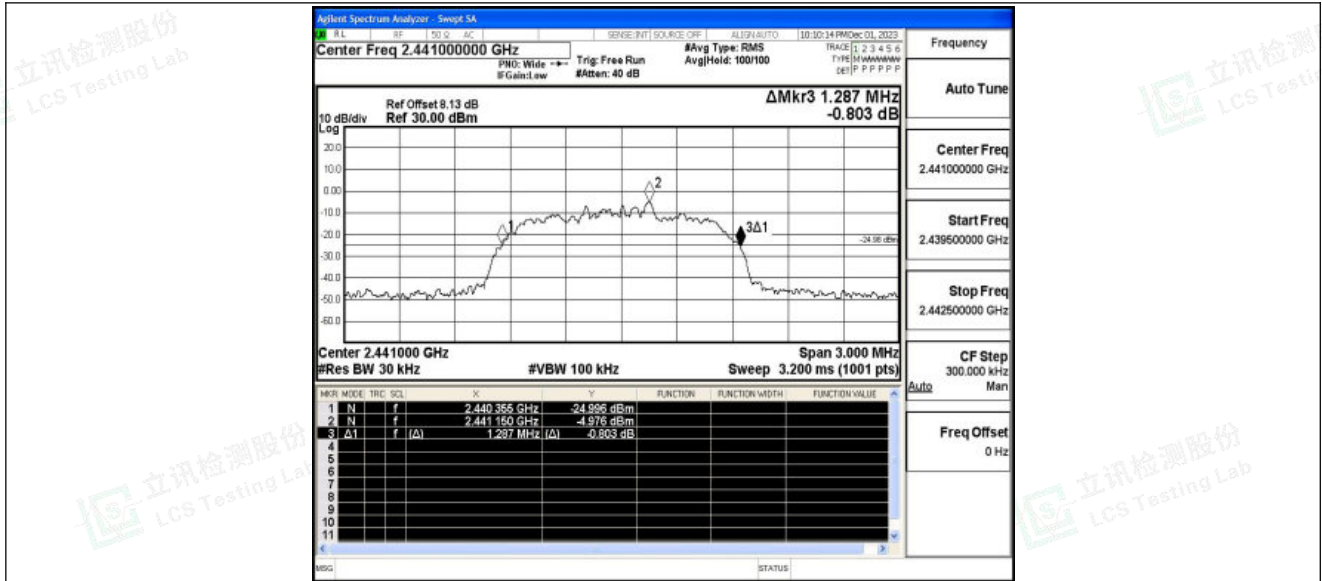


2DH5_Ant1_2402

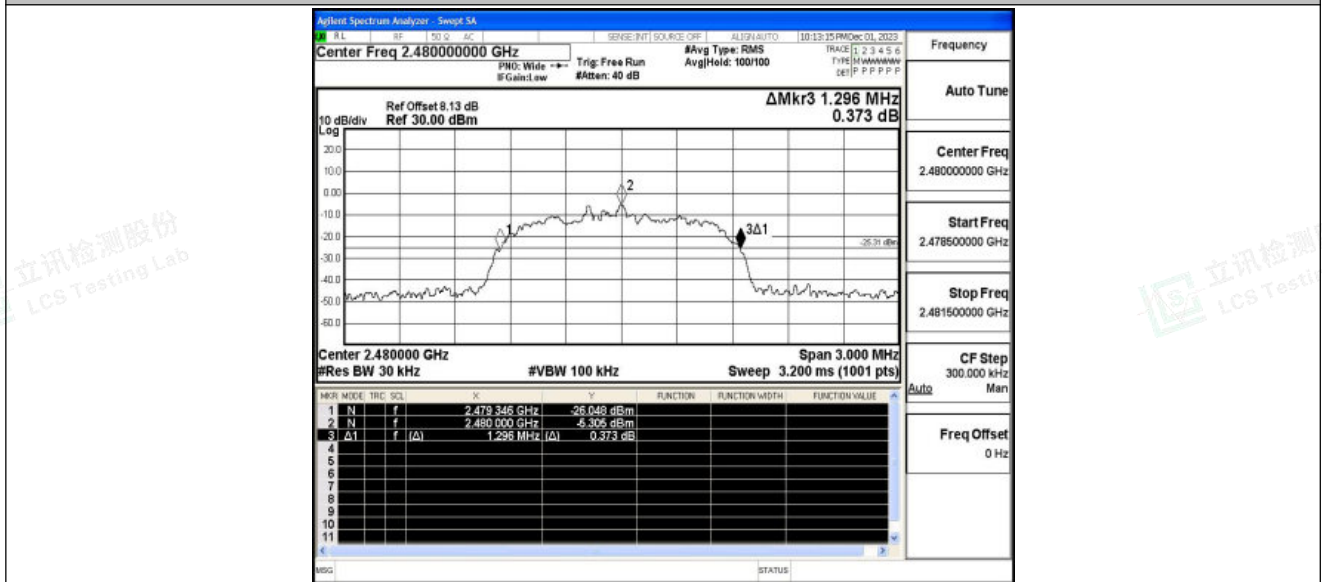


2DH5_Ant1_2441



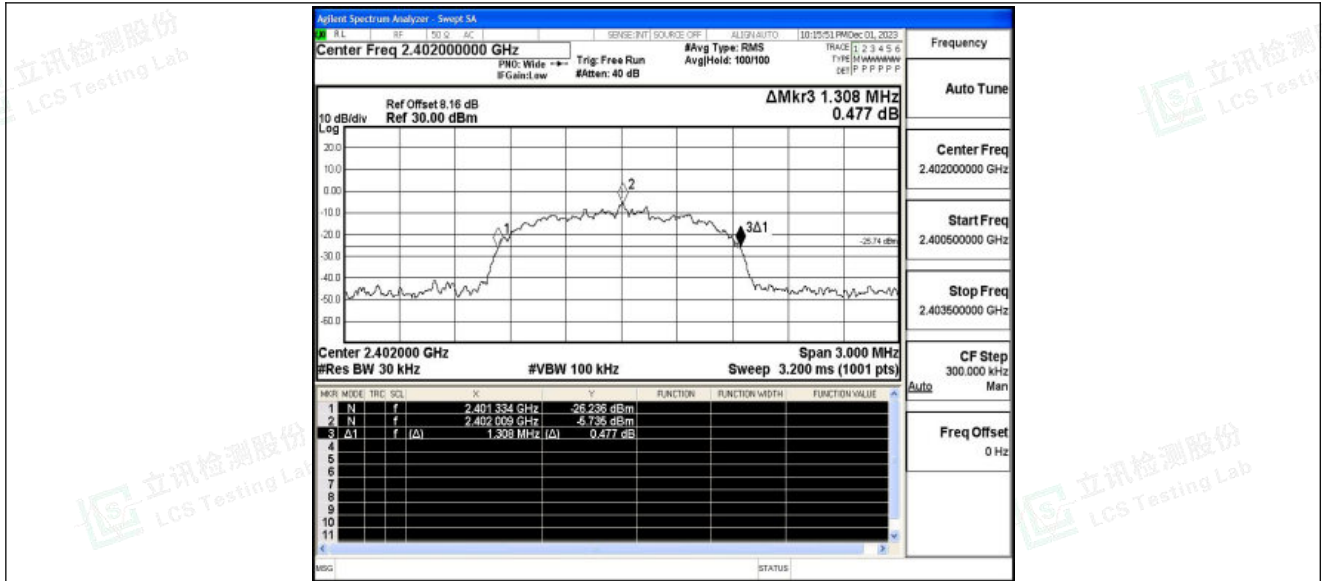


2DH5_Ant1_2480

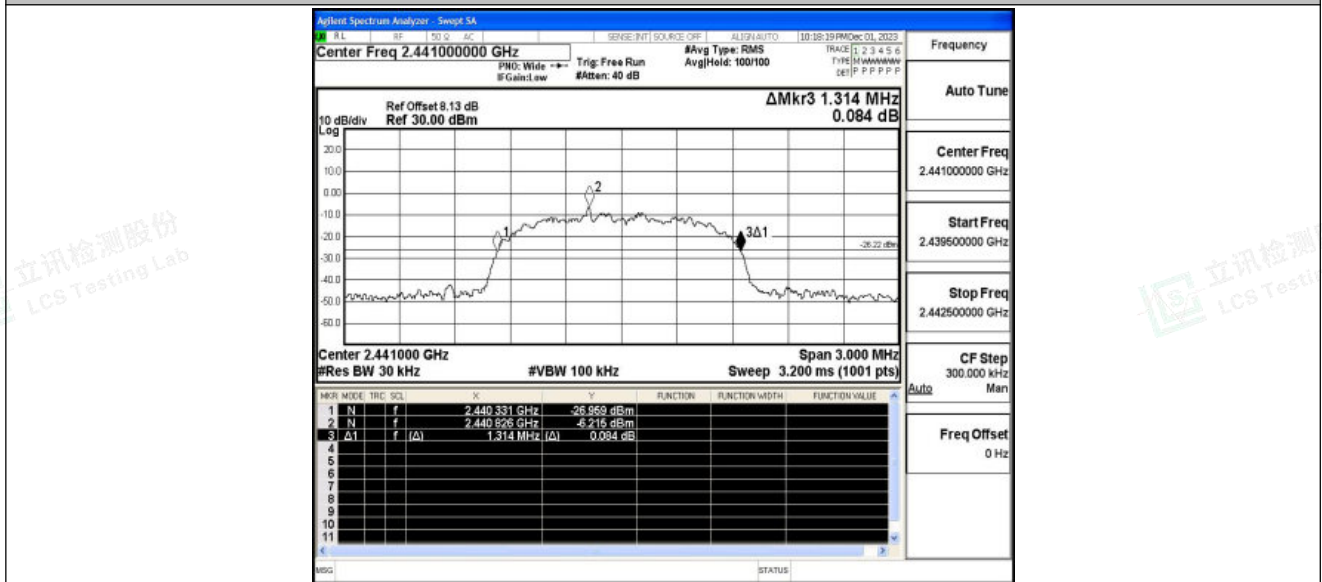


3DH5_Ant1_2402



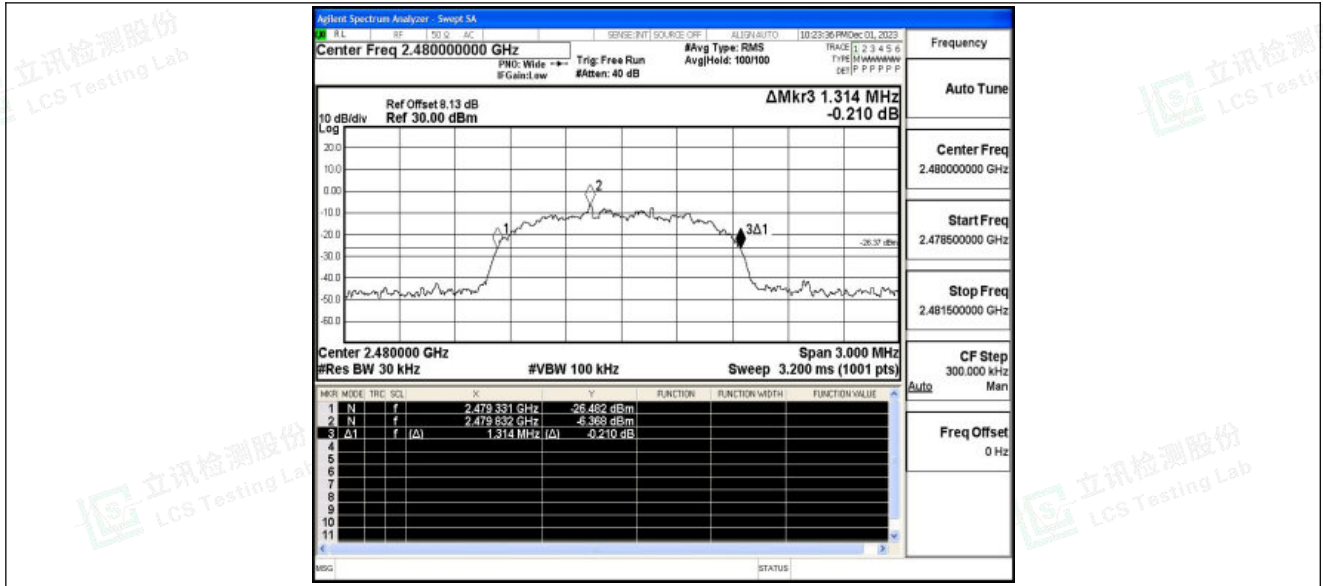


3DH5_Ant1_2441



3DH5_Ant1_2480







A.2 Maximum conducted output power

Test Result

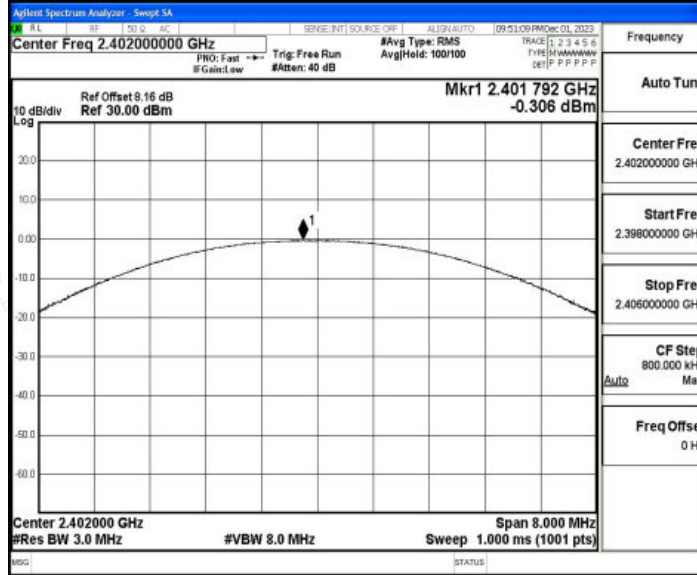
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.31	≤20.97	PASS
		2441	-0.22	≤20.97	PASS
		2480	-0.21	≤20.97	PASS
2DH5	Ant1	2402	-0.81	≤20.97	PASS
		2441	-0.46	≤20.97	PASS
		2480	-0.54	≤20.97	PASS
3DH5	Ant1	2402	-0.5	≤20.97	PASS
		2441	-0.35	≤20.97	PASS
		2480	-0.42	≤20.97	PASS



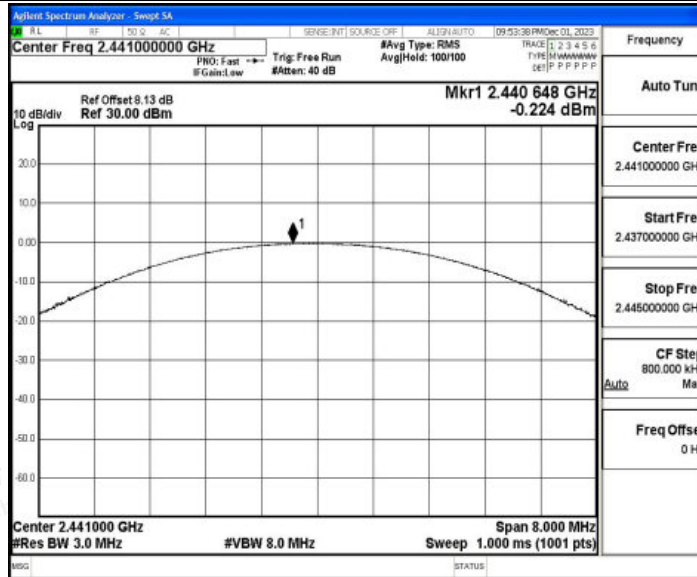


Test Graphs

DH5_Ant1_2402

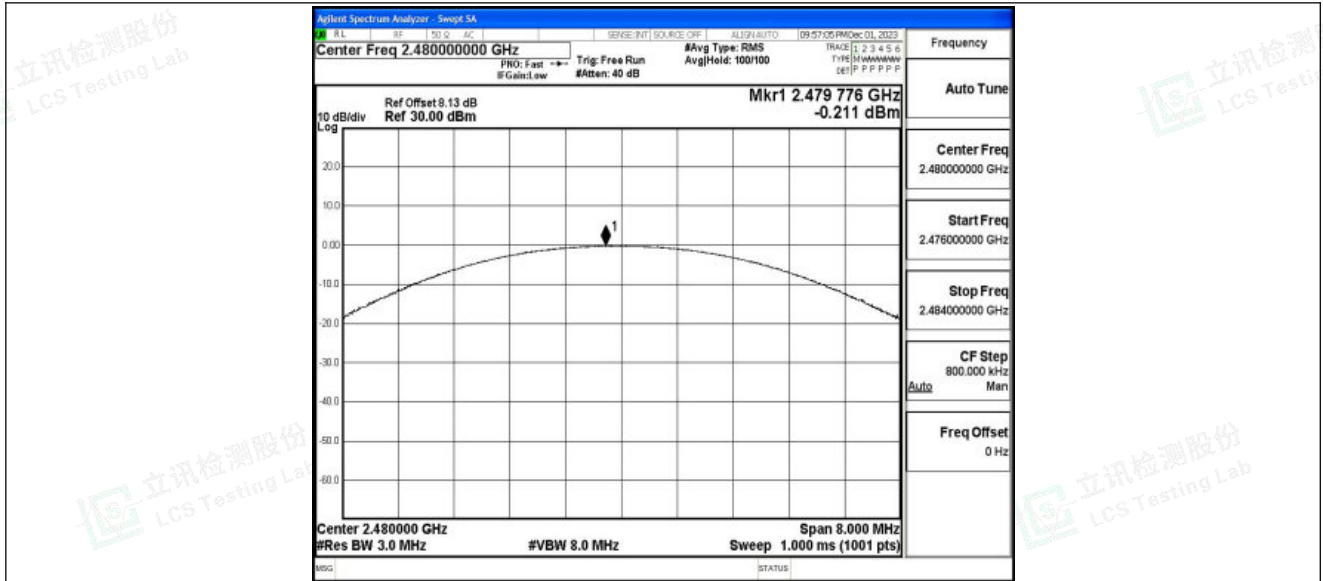


DH5_Ant1_2441

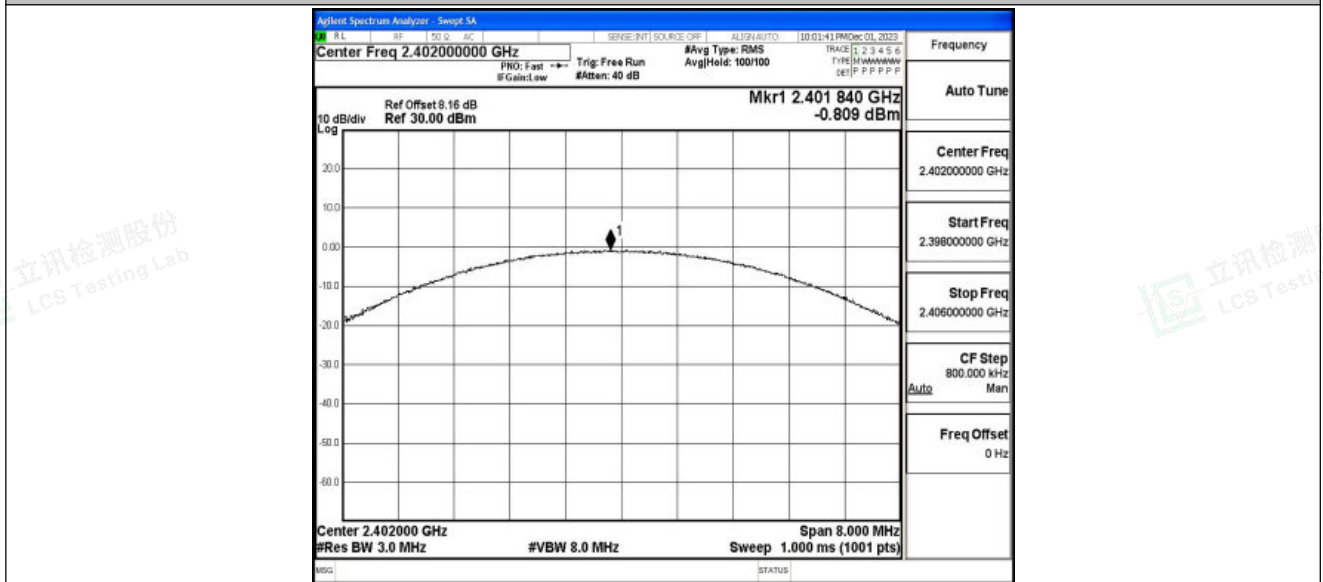


DH5_Ant1_2480



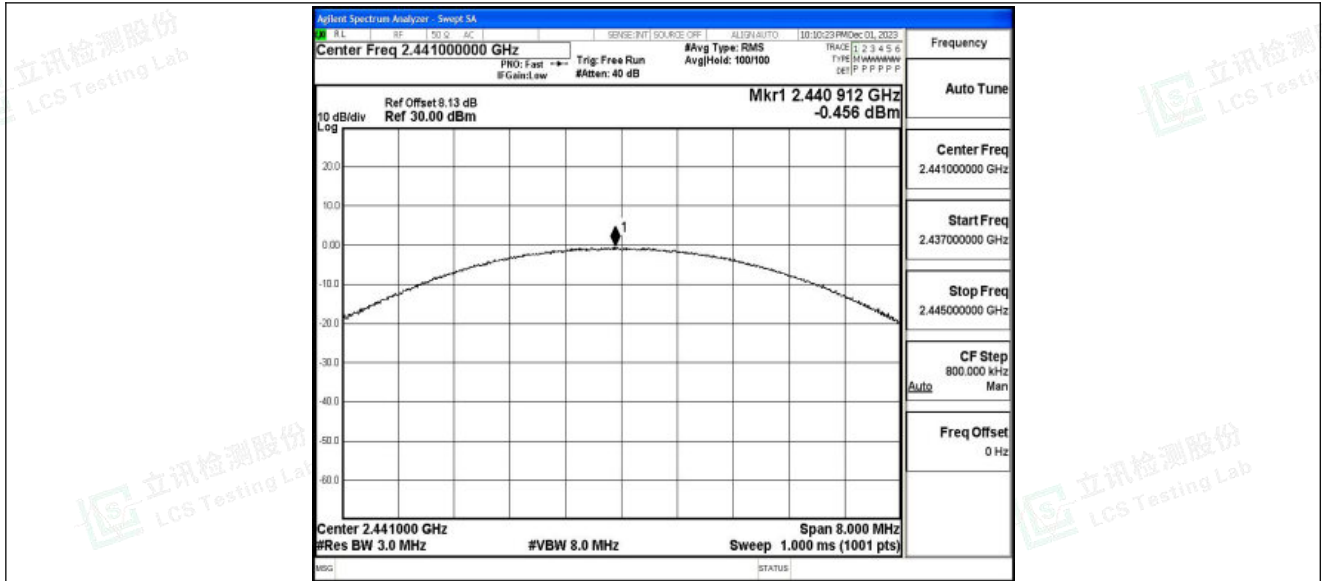


2DH5_Ant1_2402

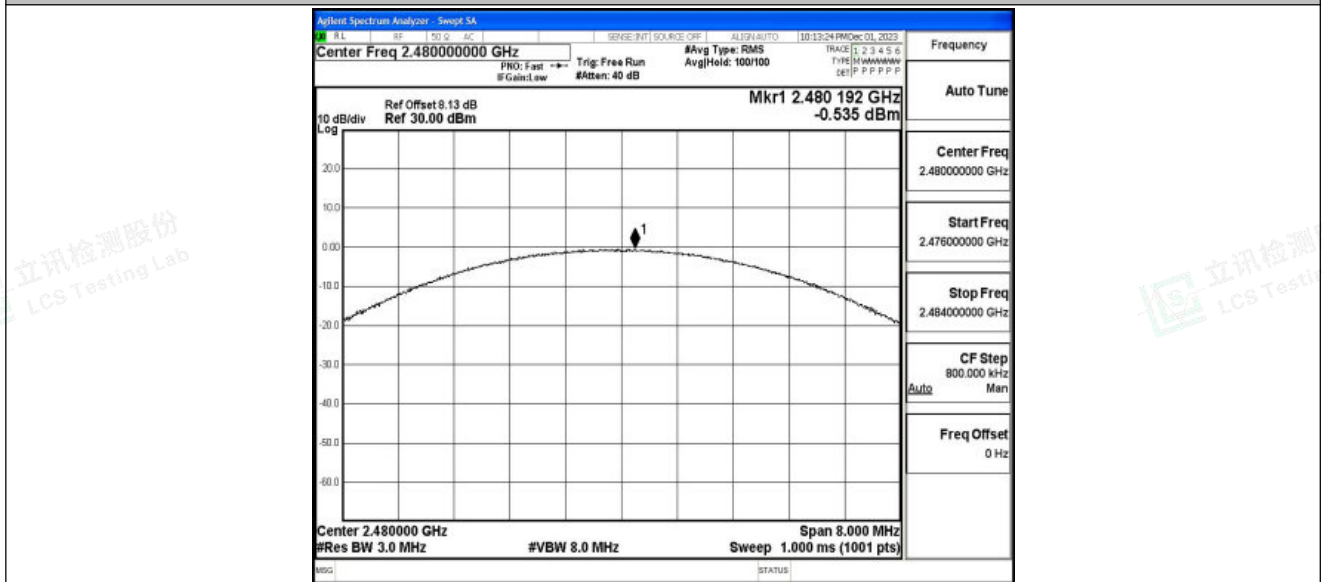


2DH5_Ant1_2441



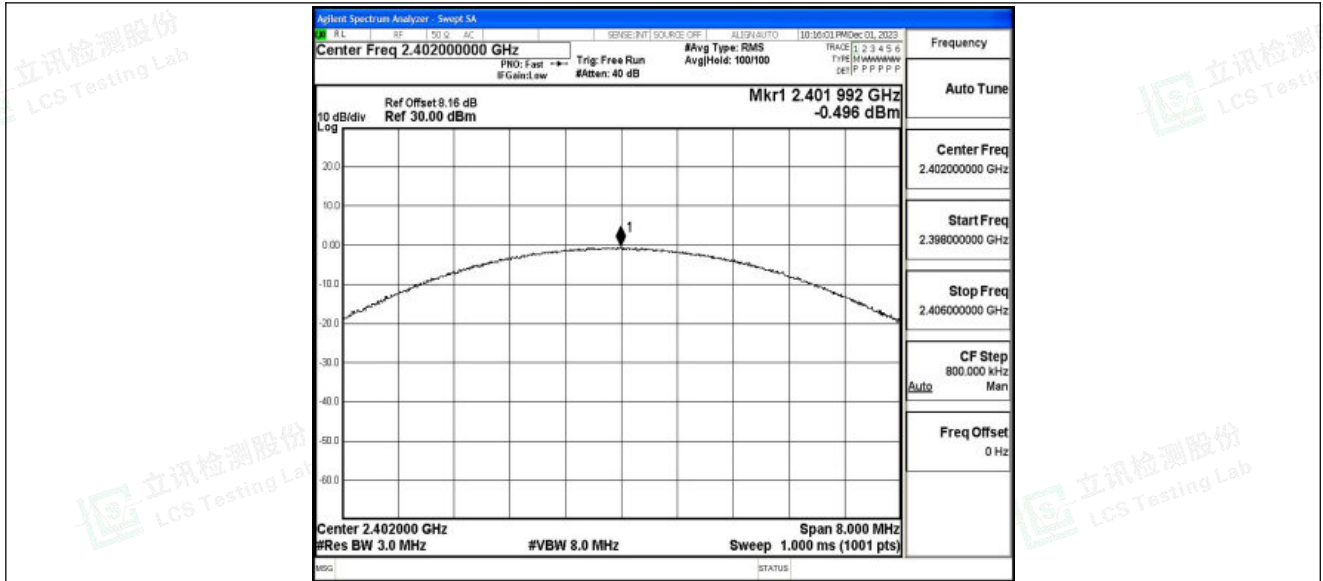


2DH5_Ant1_2480

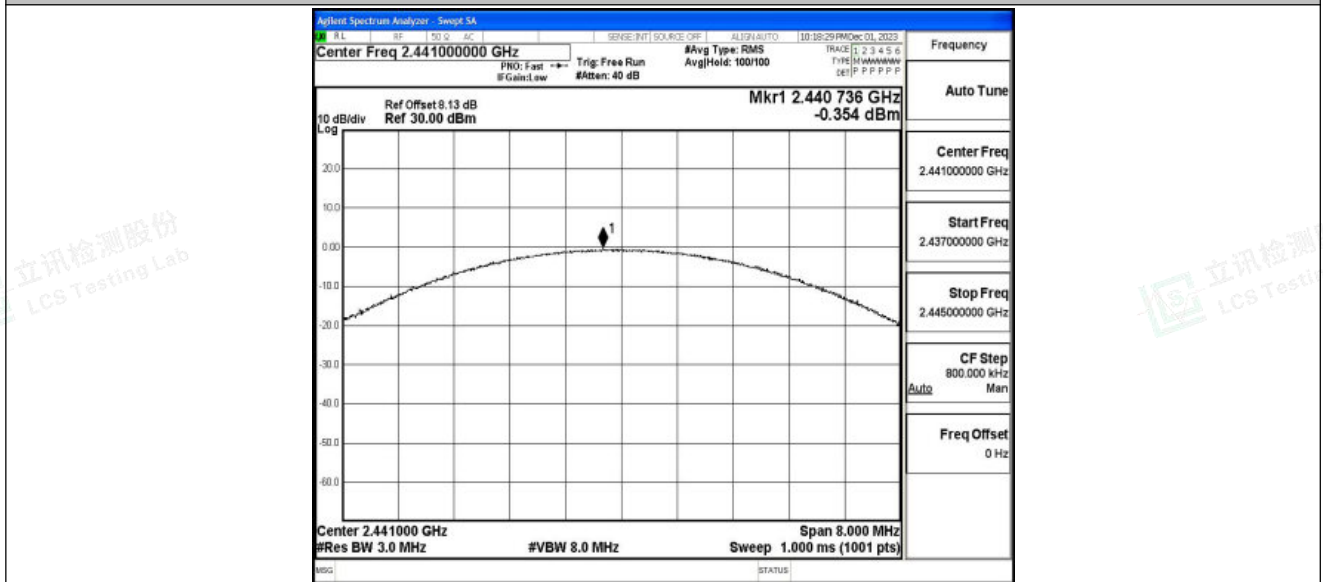


3DH5_Ant1_2402



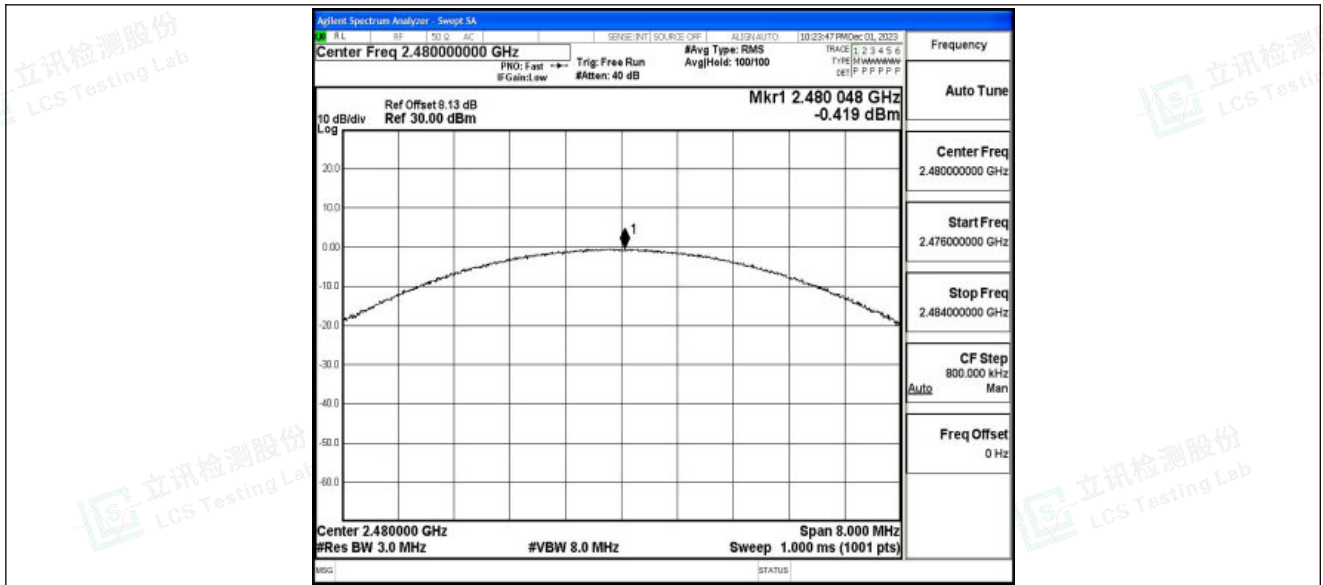


3DH5_Ant1_2441



3DH5_Ant1_2480







A.3 Carrier frequency separation

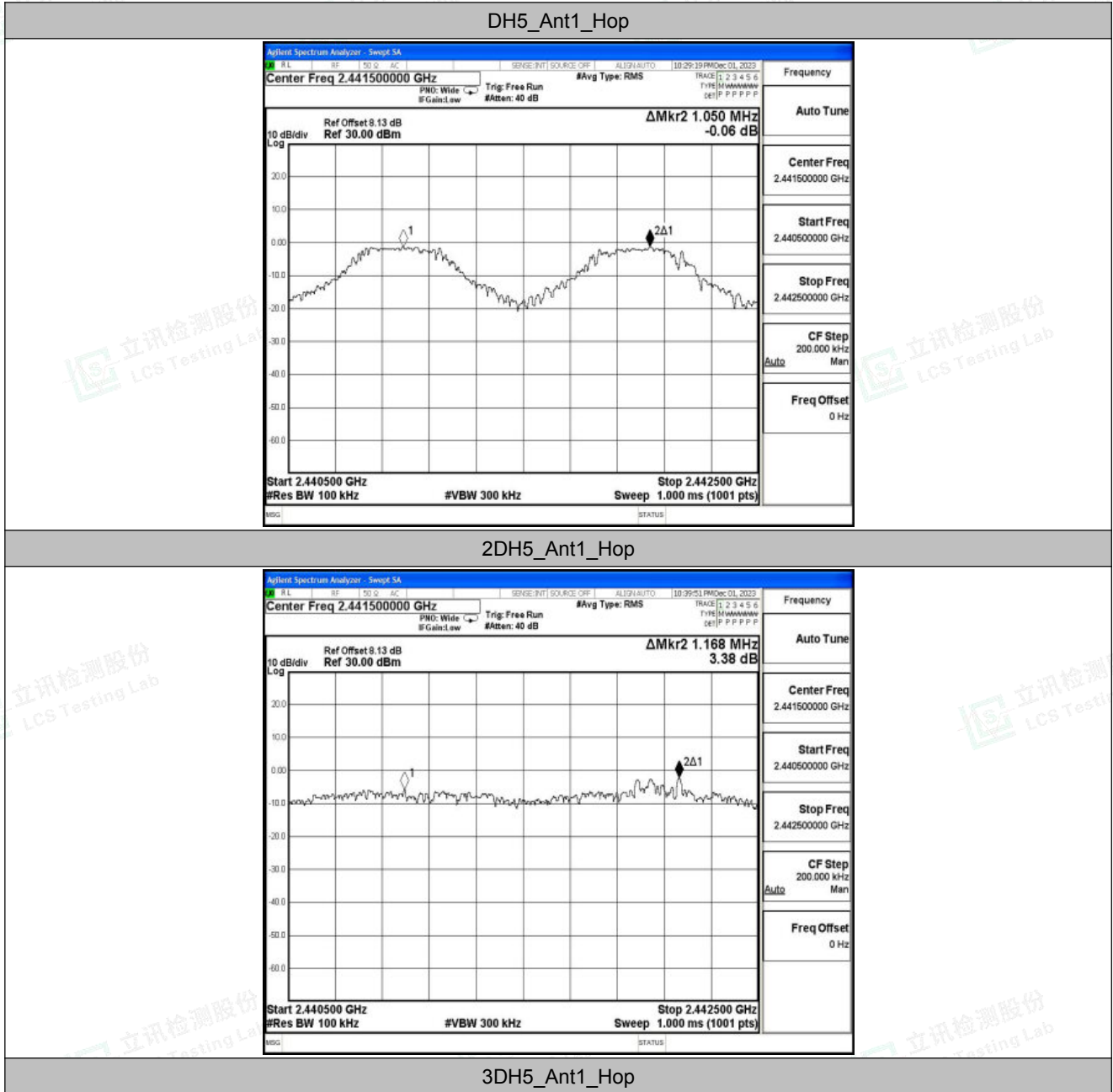
Test Result

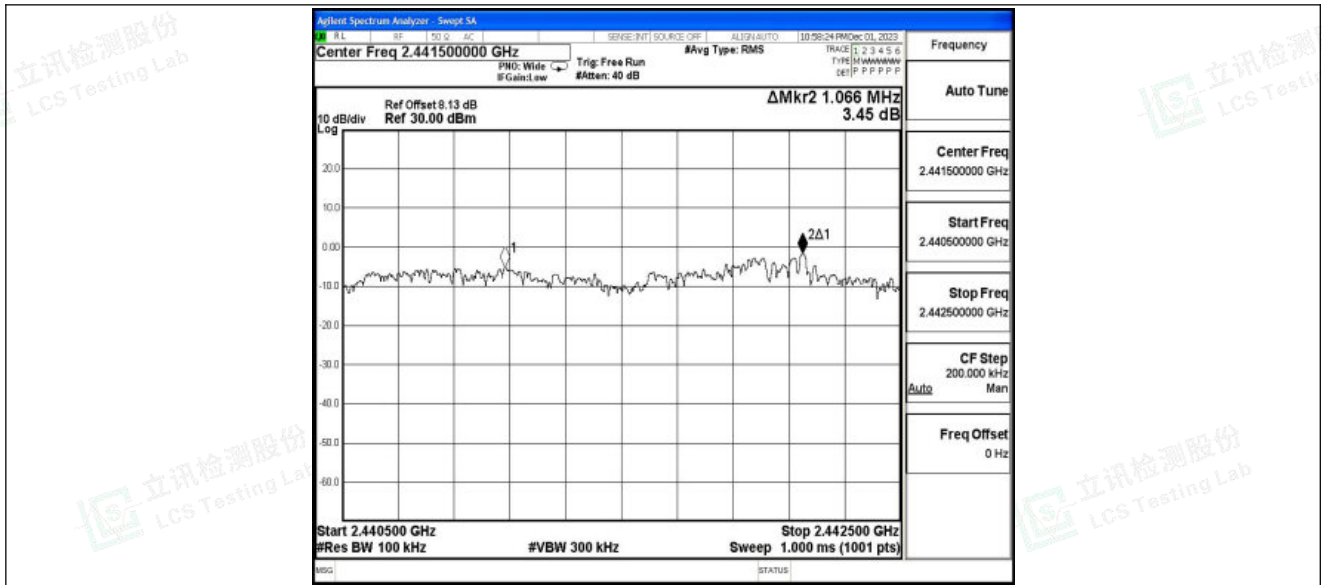
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.05	≥1.023	PASS
2DH5	Ant1	Hop	1.168	≥0.864	PASS
3DH5	Ant1	Hop	1.066	≥0.876	PASS





Test Graphs







A.4 Time of occupancy

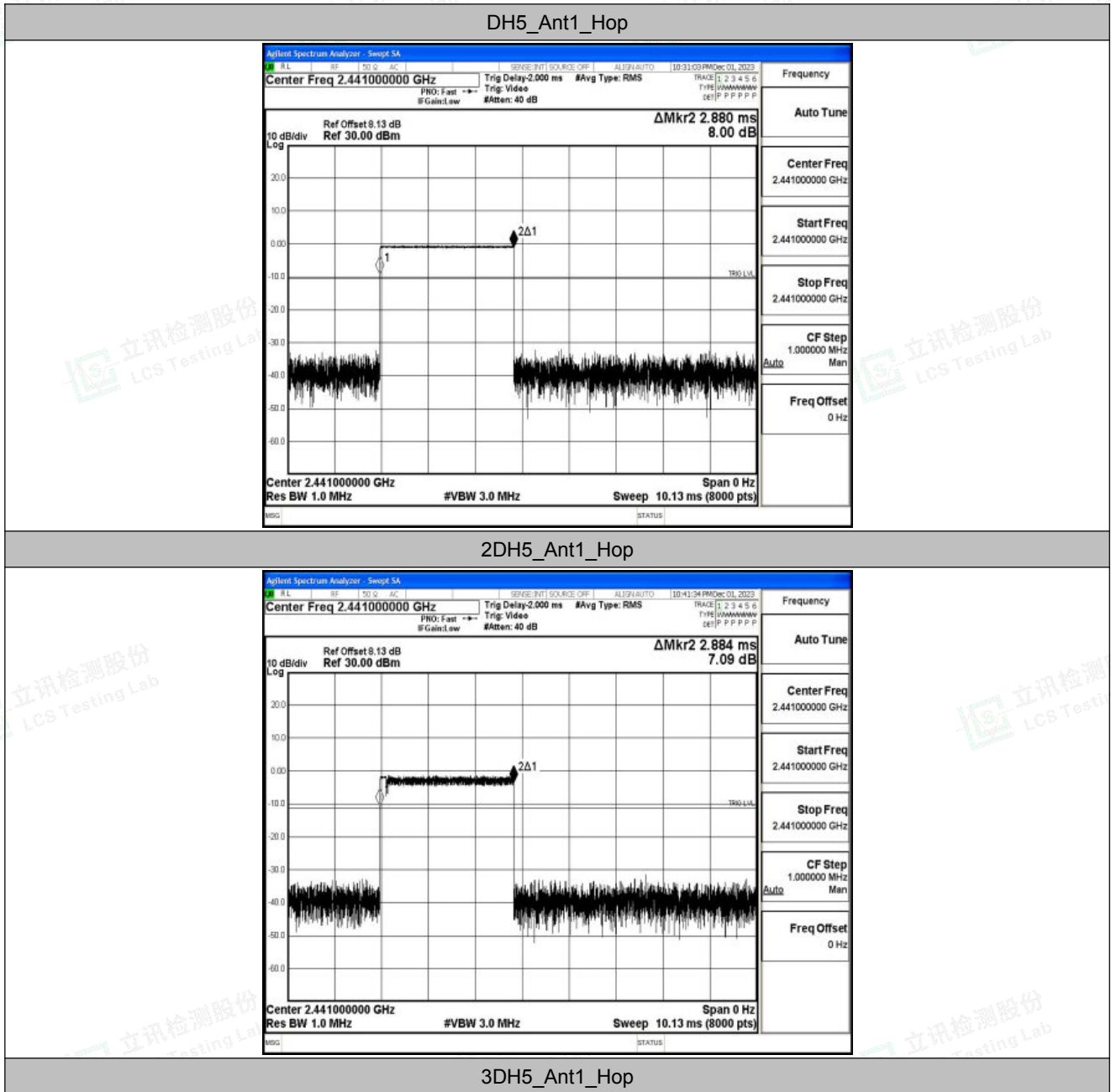
Test Result

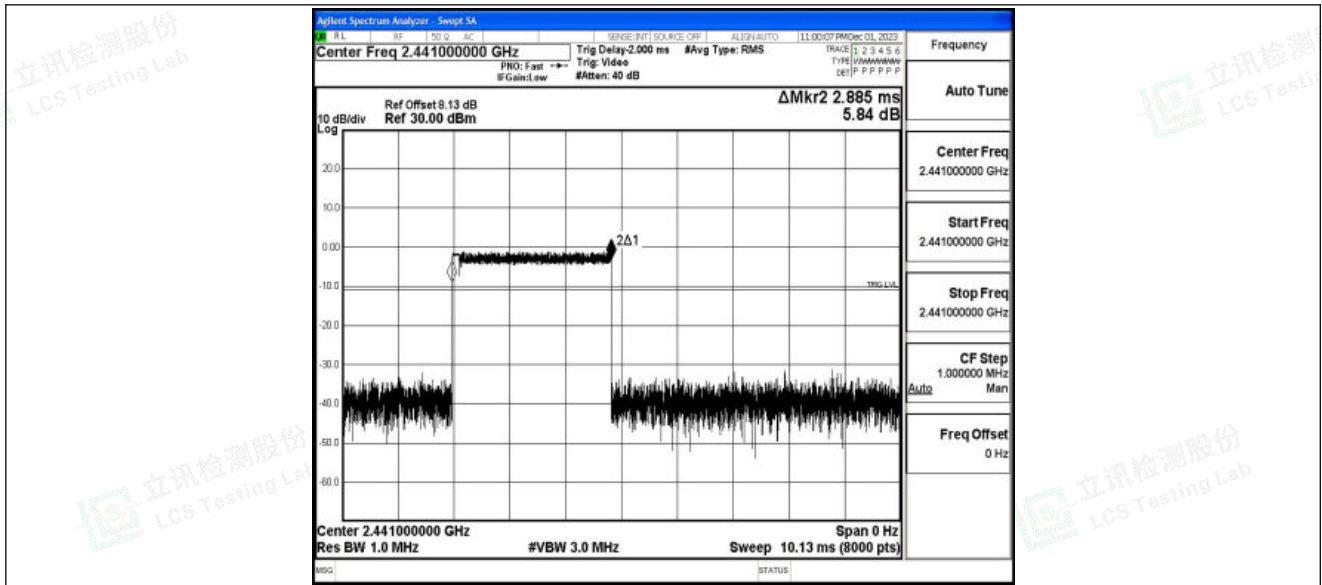
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.884	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS





Test Graphs







A.5 Number of hopping channels

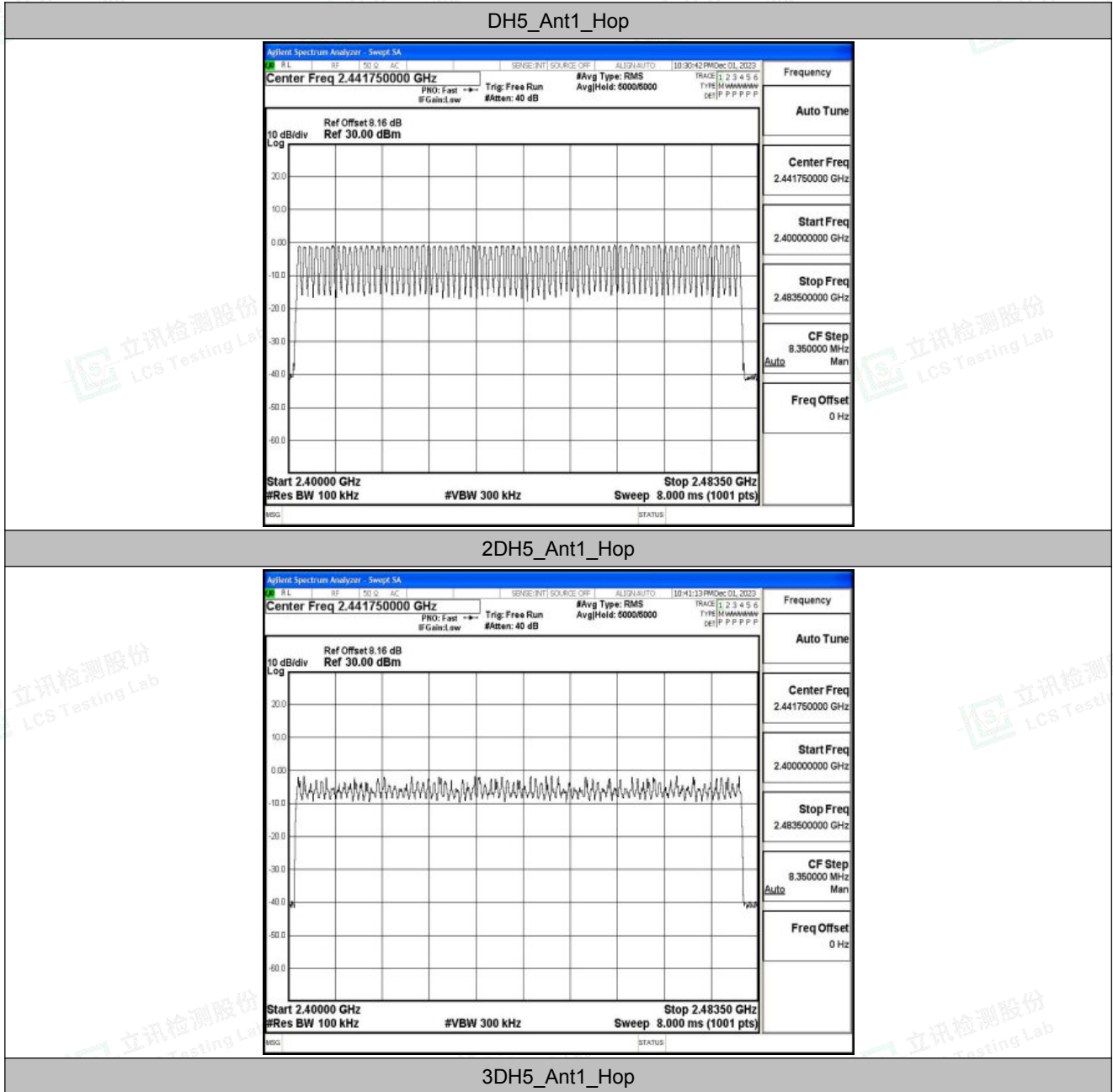
Test Result

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

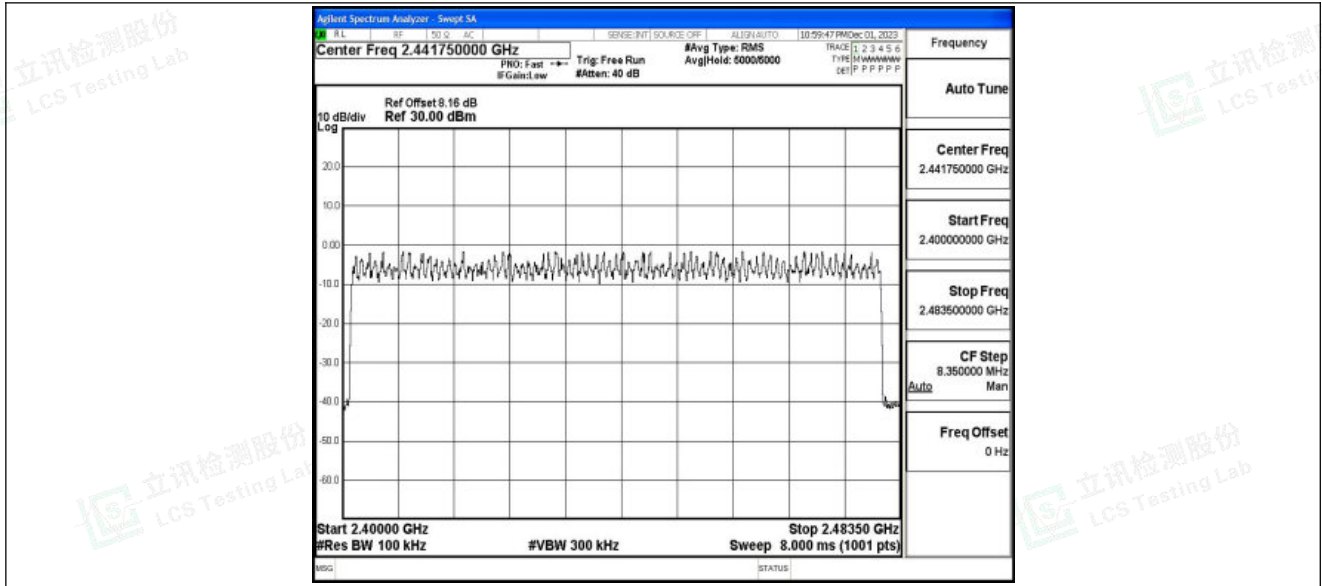


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A.6 Band edge measurements

Test Result

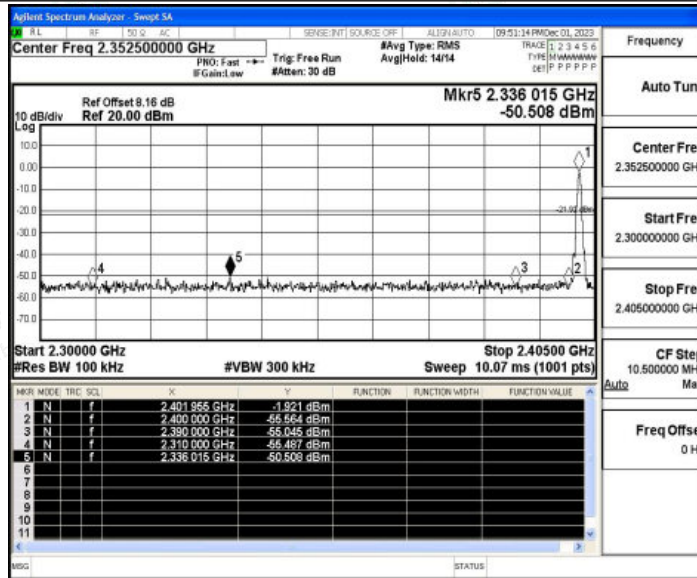
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.92	-50.51	≤-21.92	PASS
		High	2480	-1.07	-50.05	≤-21.07	PASS
		Low	Hop_2402	-1.57	-50.07	≤-21.57	PASS
		High	Hop_2480	-0.70	-49.34	≤-20.7	PASS
2DH5	Ant1	Low	2402	-3.06	-51.26	≤-23.06	PASS
		High	2480	-6.02	-51.23	≤-26.02	PASS
		Low	Hop_2402	-5.68	-49.6	≤-25.68	PASS
		High	Hop_2480	-1.70	-49.13	≤-21.7	PASS
3DH5	Ant1	Low	2402	-5.51	-51	≤-25.51	PASS
		High	2480	-3.70	-50.15	≤-23.7	PASS
		Low	Hop_2402	-4.50	-50.34	≤-24.5	PASS
		High	Hop_2480	-1.98	-49.15	≤-21.98	PASS



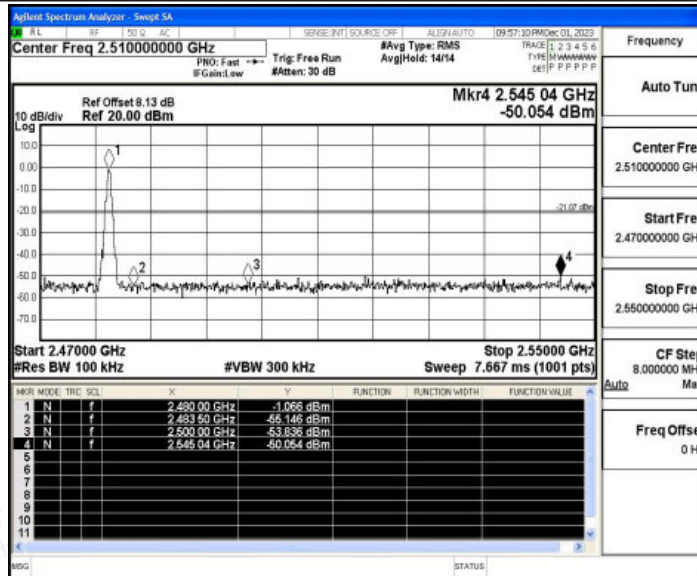


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

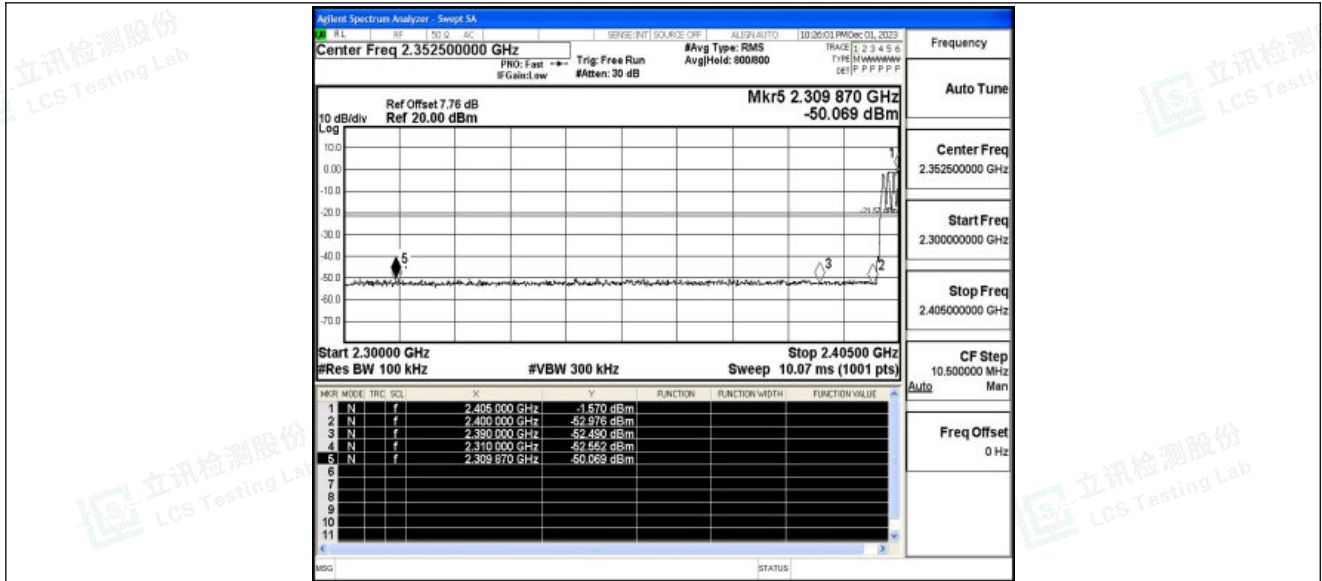


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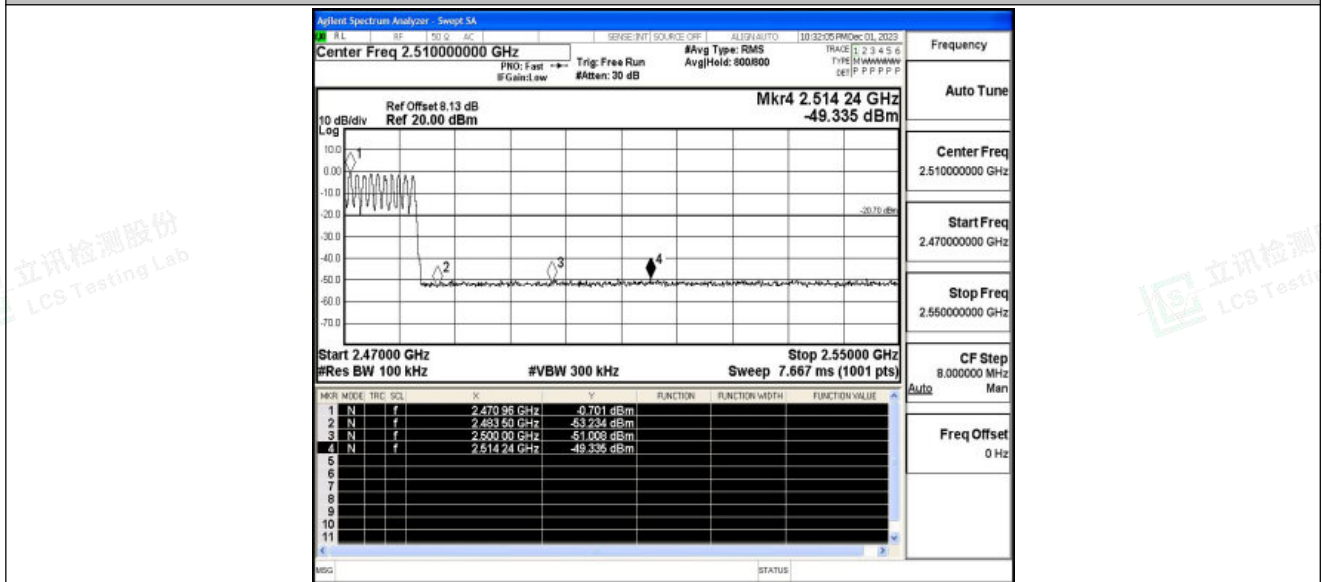
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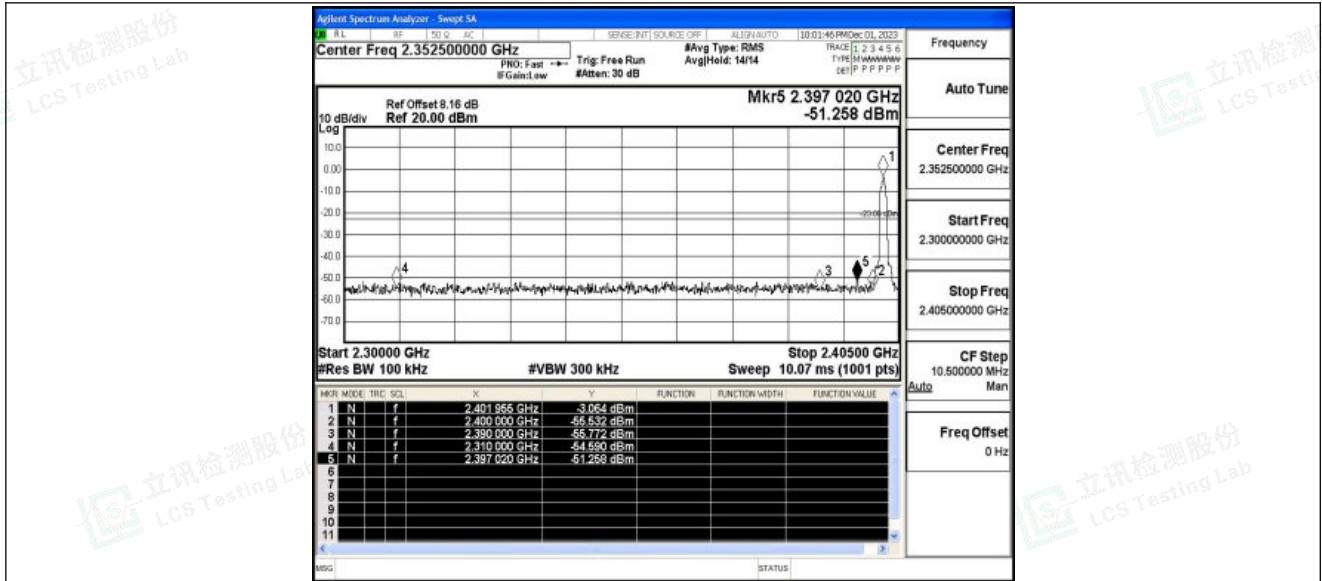


DH5_Ant1_High_Hop_2480

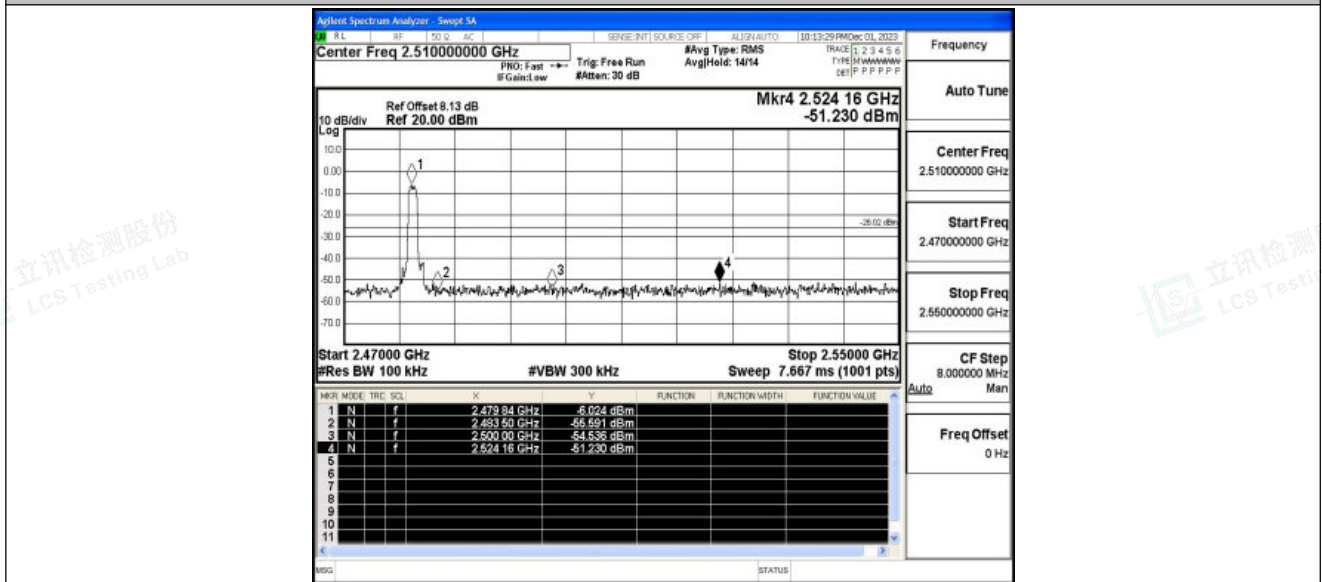


2DH5_Ant1_Low_2402



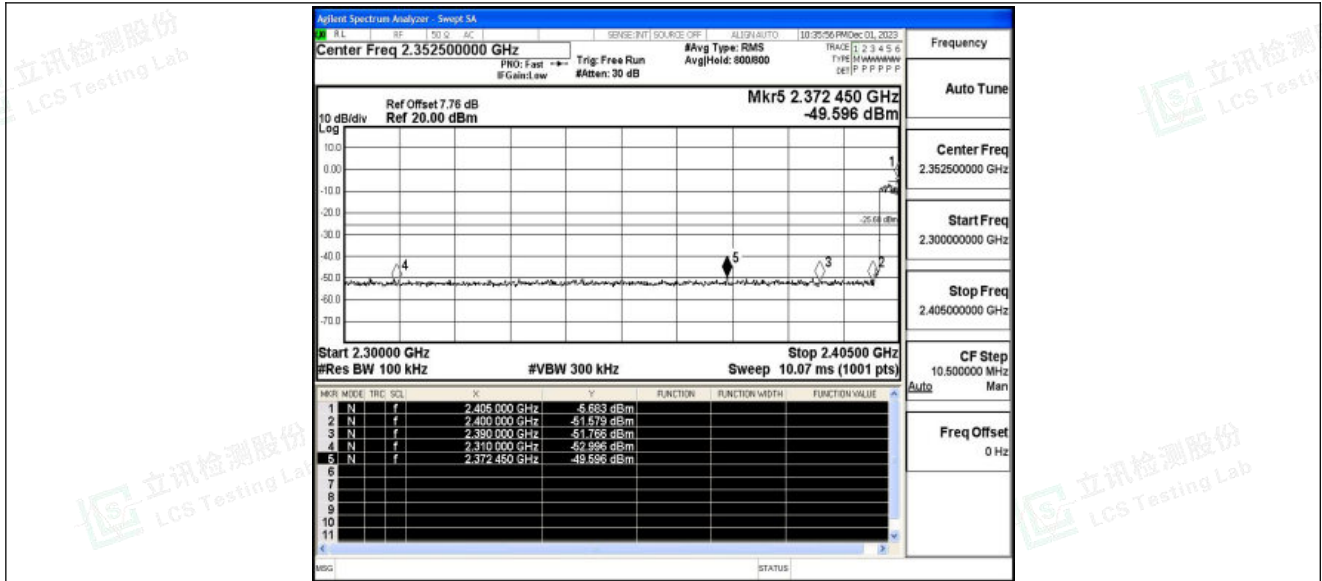


2DH5_Ant1_High_2480

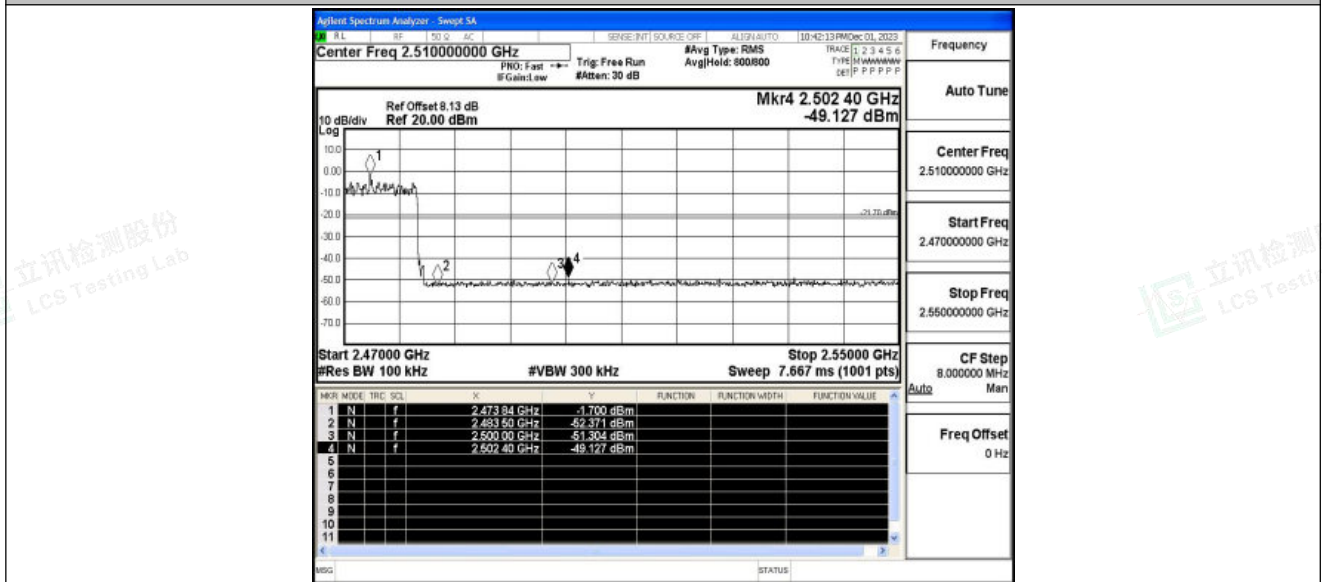


2DH5_Ant1_Low_Hop_2402



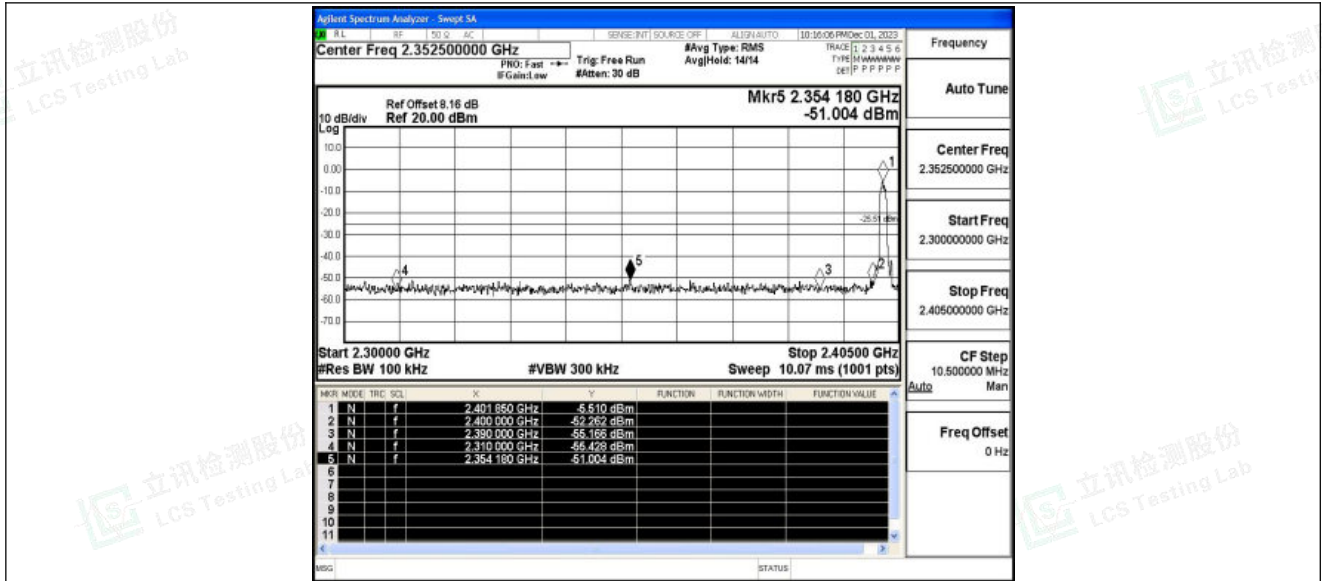


2DH5_Ant1_High_Hop_2480

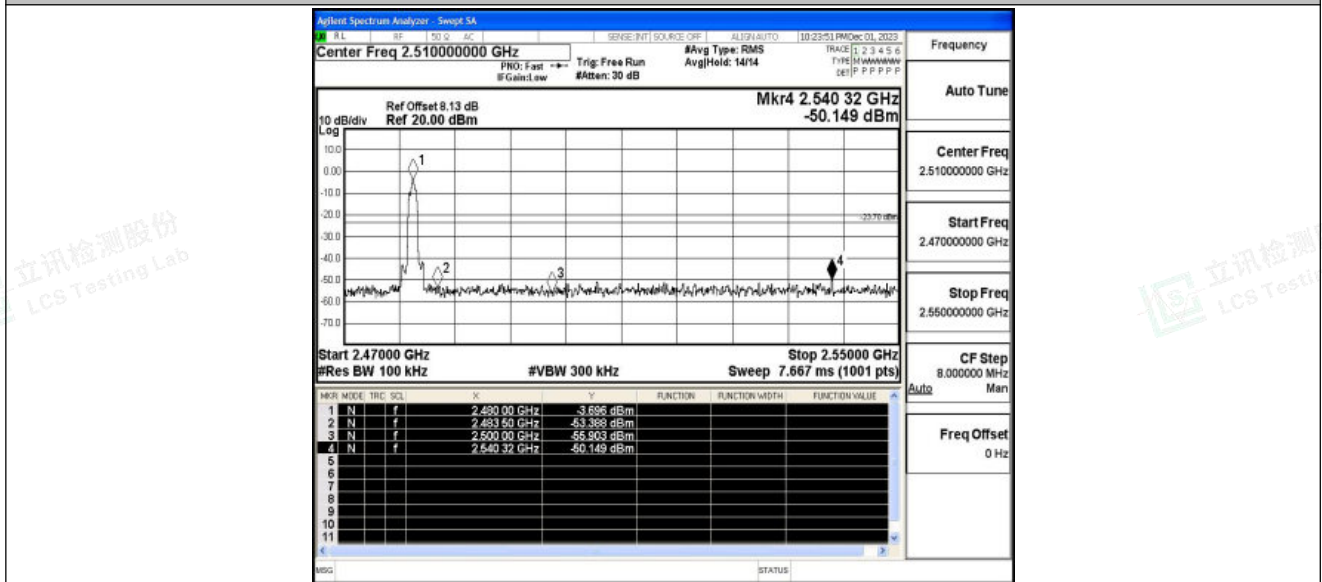


3DH5_Ant1_Low_2402



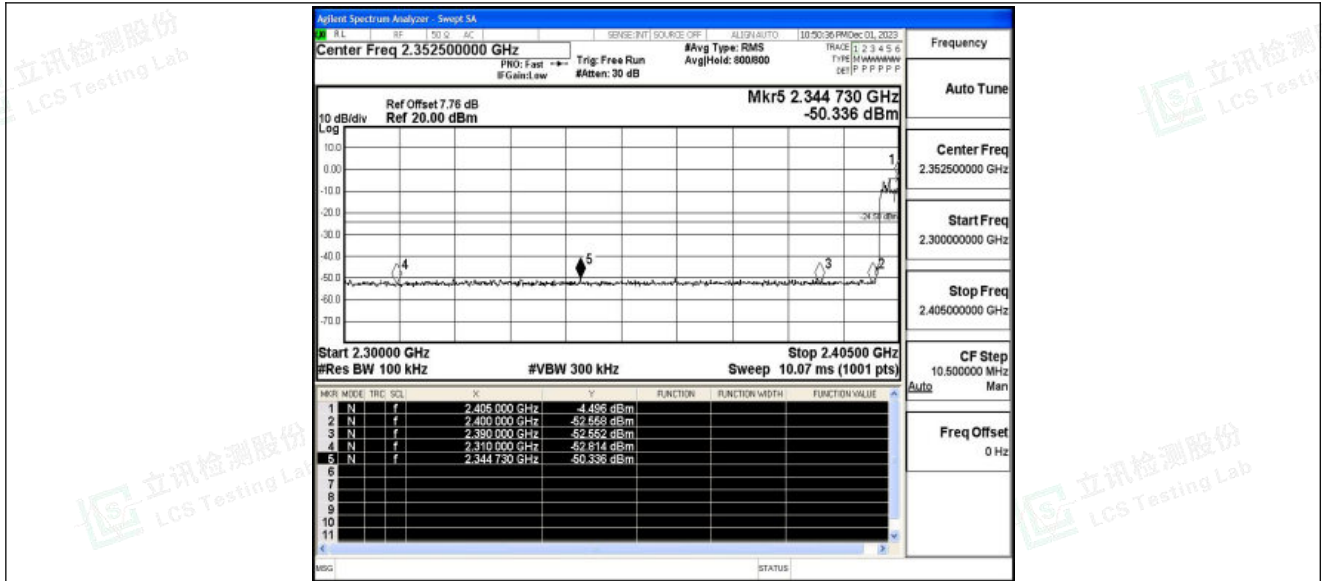


3DH5_Ant1_High_2480

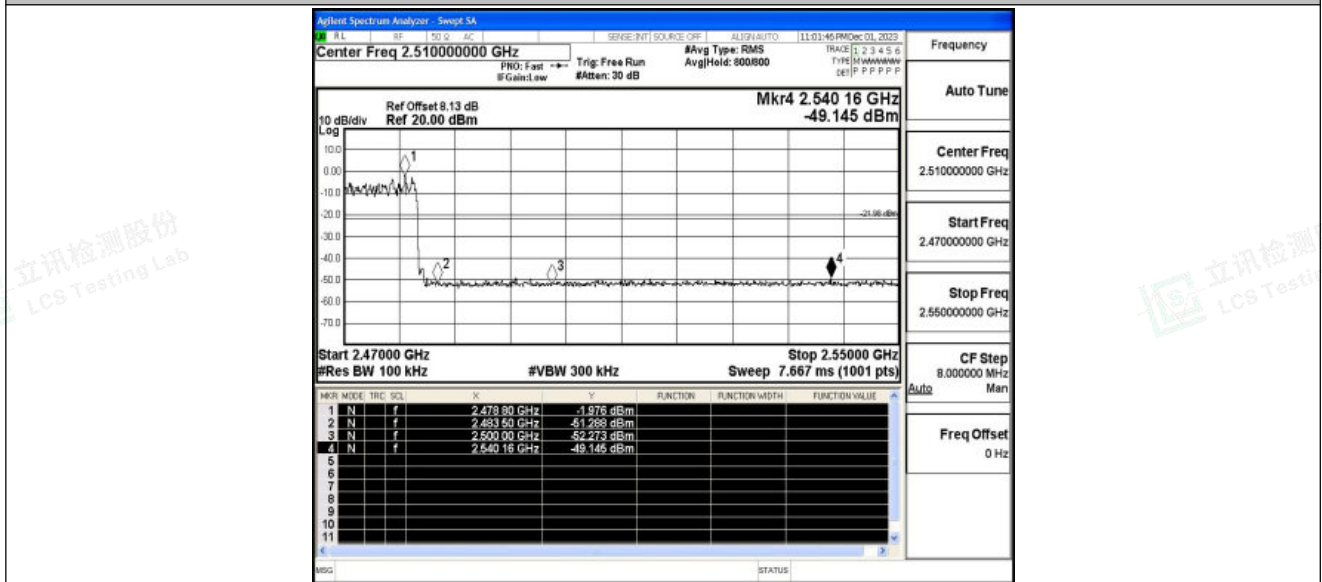


3DH5_Ant1_Low_Hop_2402





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	-1.08	-1.08	---	PASS
			30~1000	-1.08	-61.68	≤-21.08	PASS
			1000~26500	-1.08	-48.94	≤-21.08	PASS
		2441	Reference	-1.34	-1.34	---	PASS
			30~1000	-1.34	-61.37	≤-21.34	PASS
			1000~26500	-1.34	-48.75	≤-21.34	PASS
		2480	Reference	-0.77	-0.77	---	PASS
			30~1000	-0.77	-61.89	≤-20.77	PASS
			1000~26500	-0.77	-48.78	≤-20.77	PASS
2DH5	Ant1	2402	Reference	-2.18	-2.18	---	PASS
			30~1000	-2.18	-60.48	≤-22.18	PASS
			1000~26500	-2.18	-49.66	≤-22.18	PASS
		2441	Reference	-2.12	-2.12	---	PASS
			30~1000	-2.12	-61.79	≤-22.12	PASS
			1000~26500	-2.12	-49.55	≤-22.12	PASS
		2480	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-61.85	≤-22.11	PASS
			1000~26500	-2.11	-47.6	≤-22.11	PASS
3DH5	Ant1	2402	Reference	-1.96	-1.96	---	PASS
			30~1000	-1.96	-62.04	≤-21.96	PASS
			1000~26500	-1.96	-49.3	≤-21.96	PASS
		2441	Reference	-2.35	-2.35	---	PASS
			30~1000	-2.35	-61.09	≤-22.35	PASS
			1000~26500	-2.35	-48.94	≤-22.35	PASS
		2480	Reference	-2.39	-2.39	---	PASS
			30~1000	-2.39	-62.01	≤-22.39	PASS
			1000~26500	-2.39	-48.55	≤-22.39	PASS



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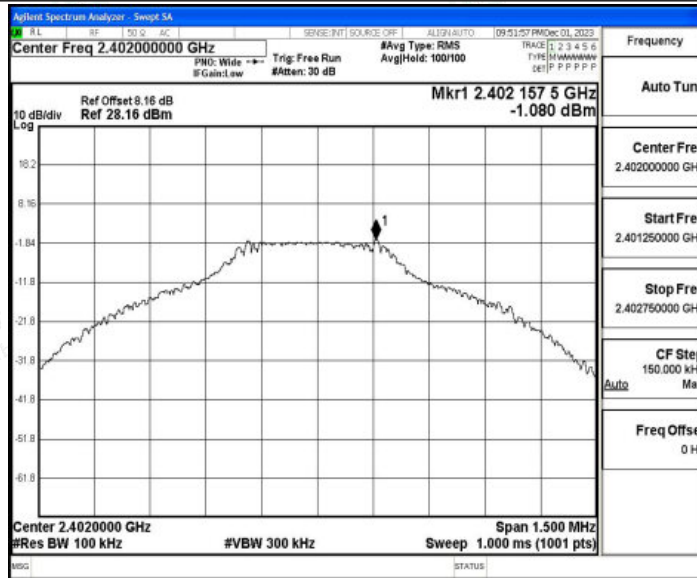
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Scan code to check authenticity

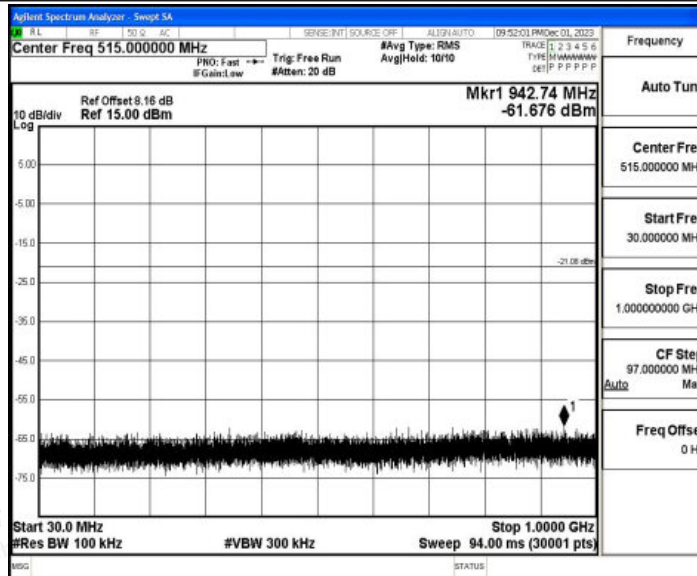


Test Graphs

DH5_Ant1_2402_0~Reference

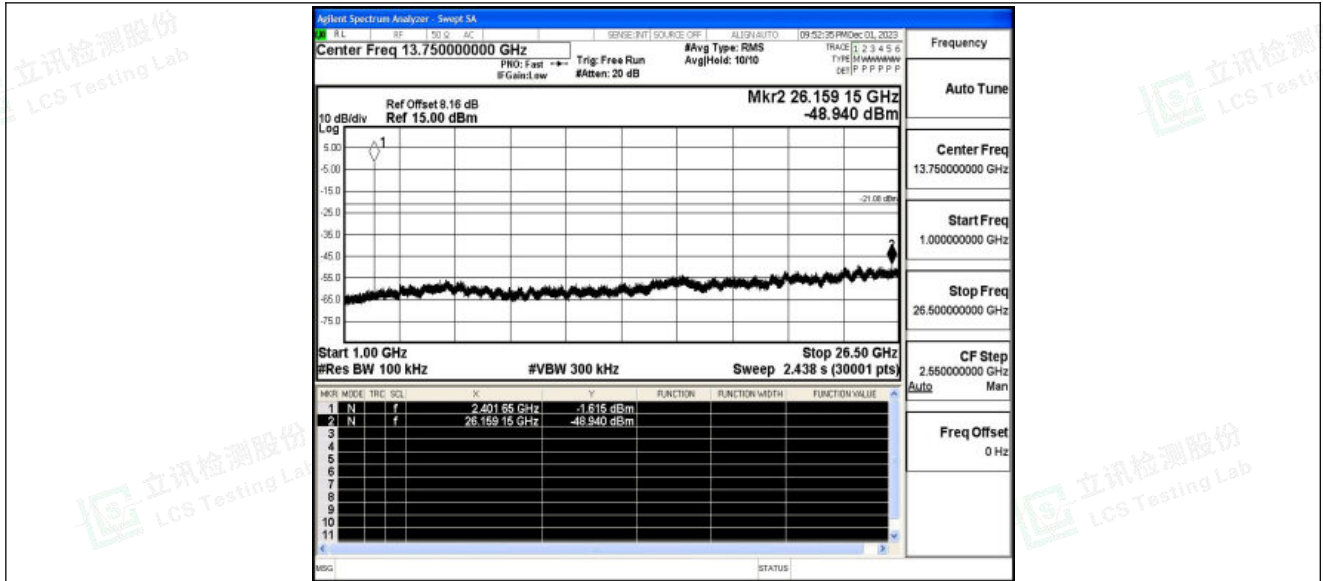


DH5_Ant1_2402_30~1000

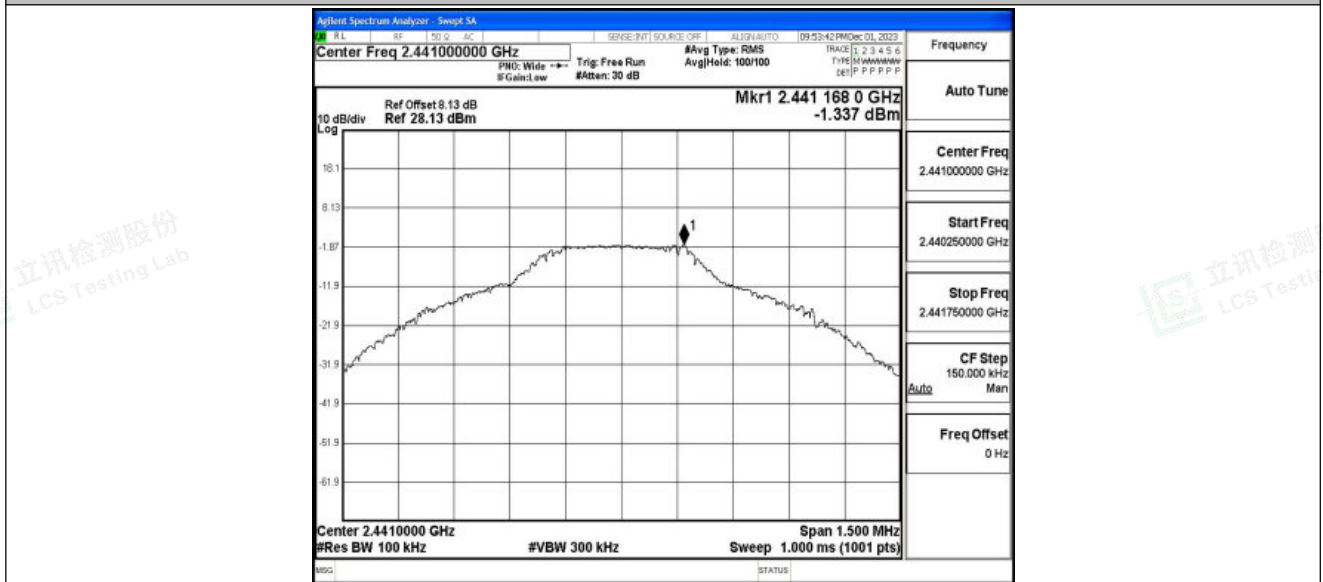


DH5_Ant1_2402_1000~26500



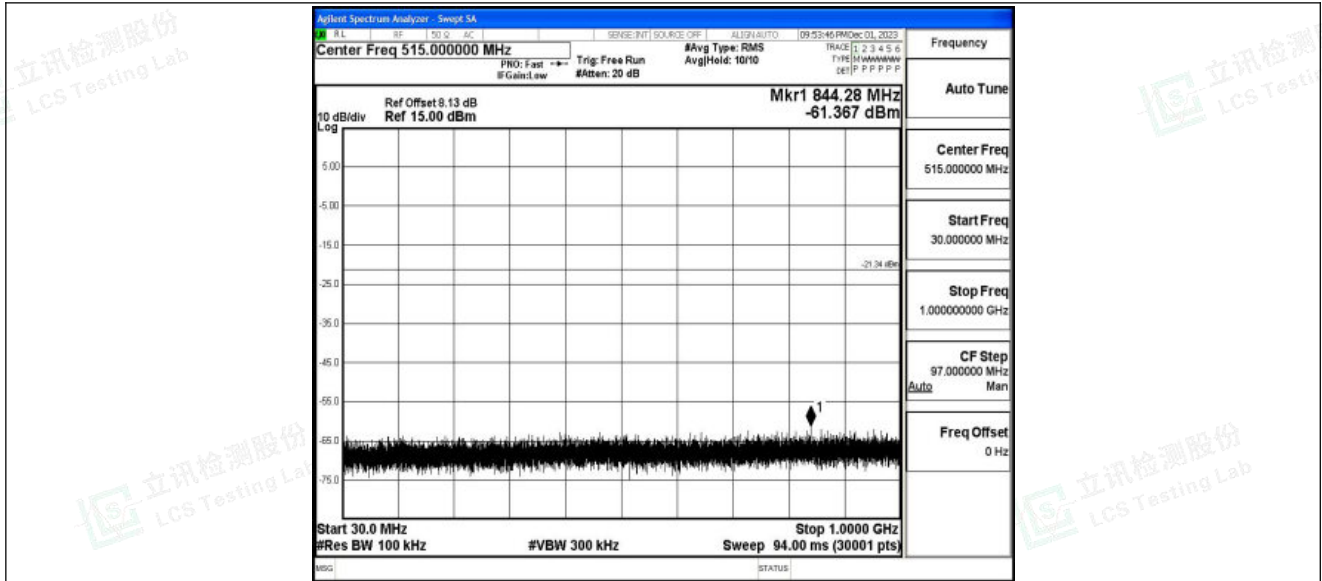


DH5_Ant1_2441_0~Reference

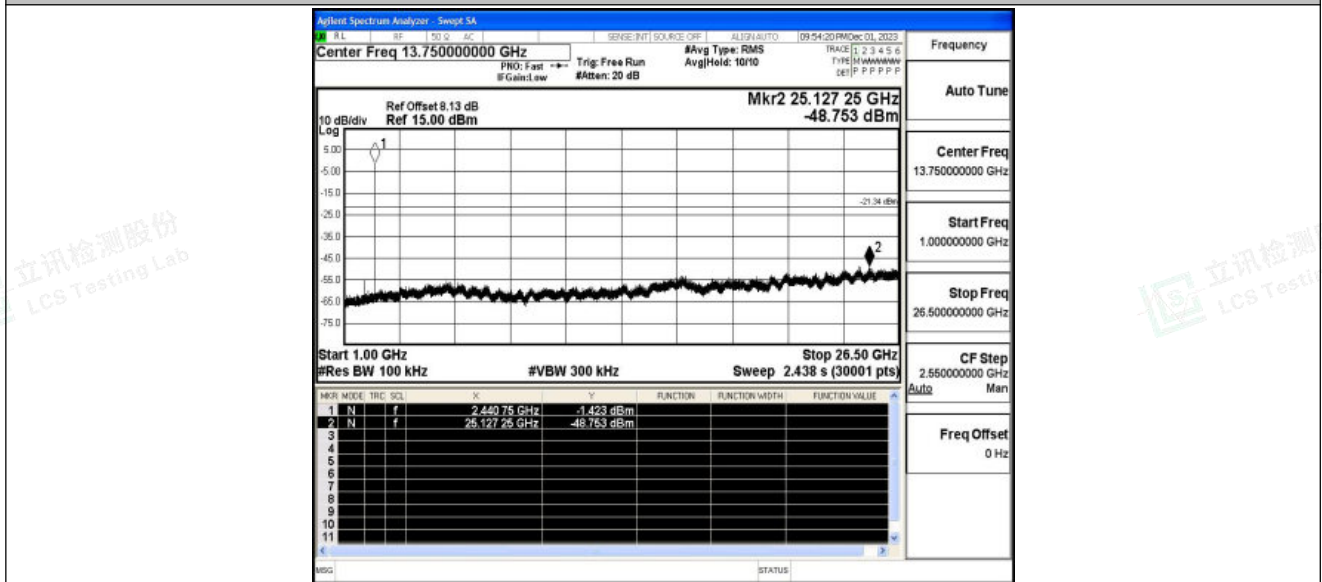


DH5_Ant1_2441_30~1000



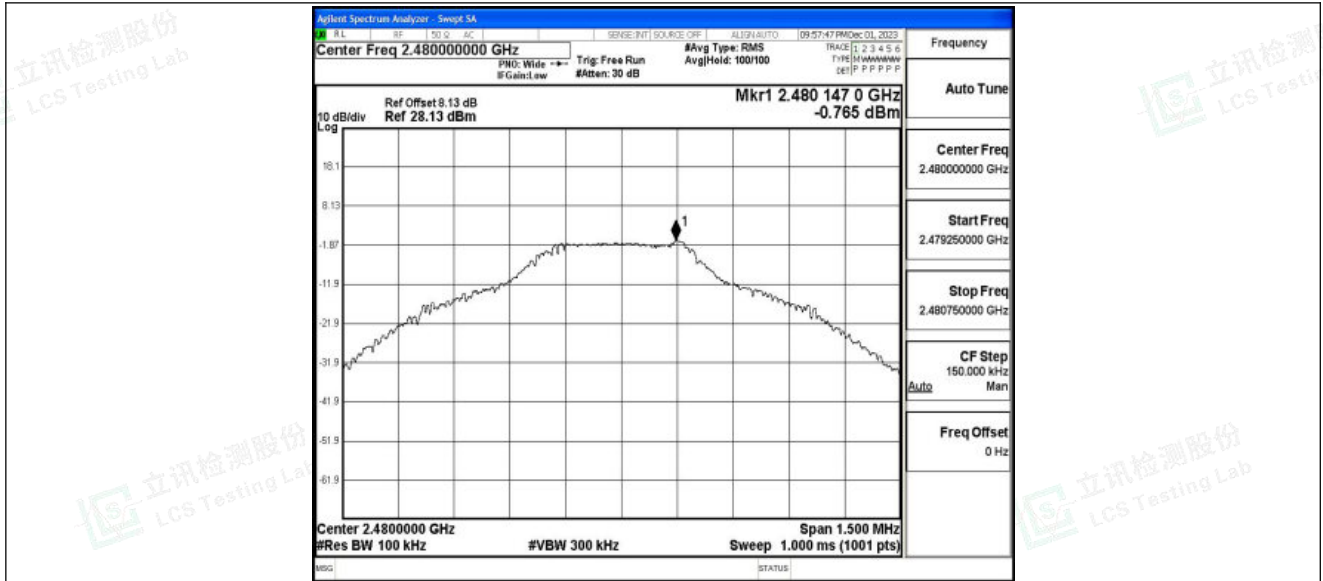


DH5_Ant1_2441_1000~26500

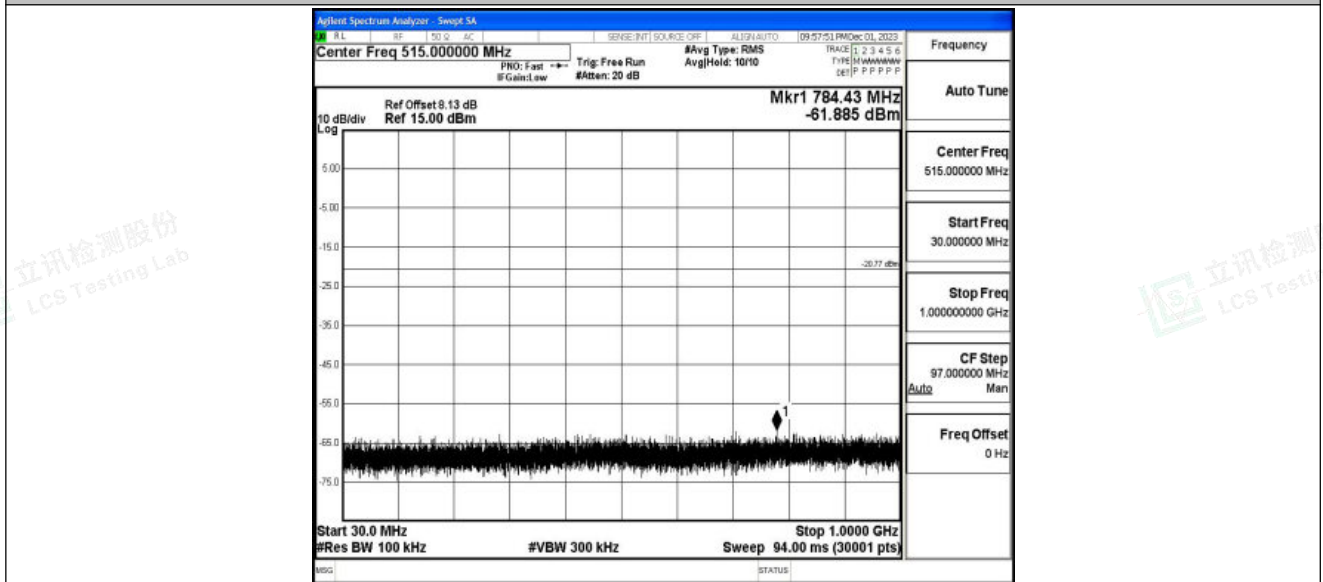


DH5_Ant1_2480_0~Reference



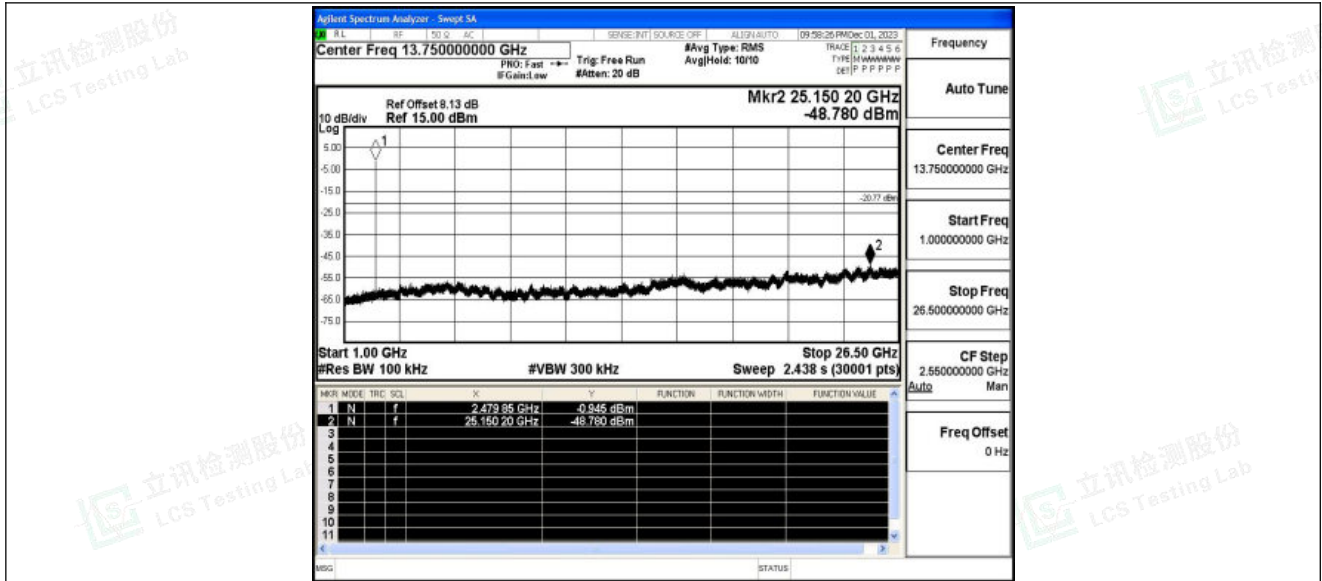


DH5_Ant1_2480_30~1000

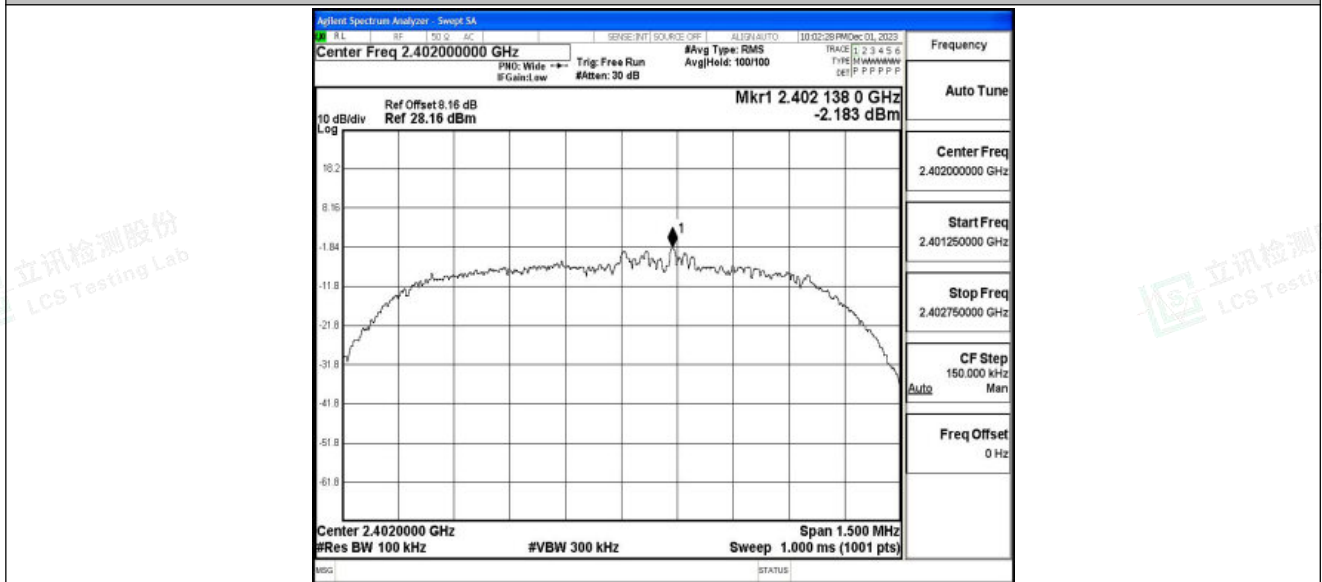


DH5_Ant1_2480_1000~26500



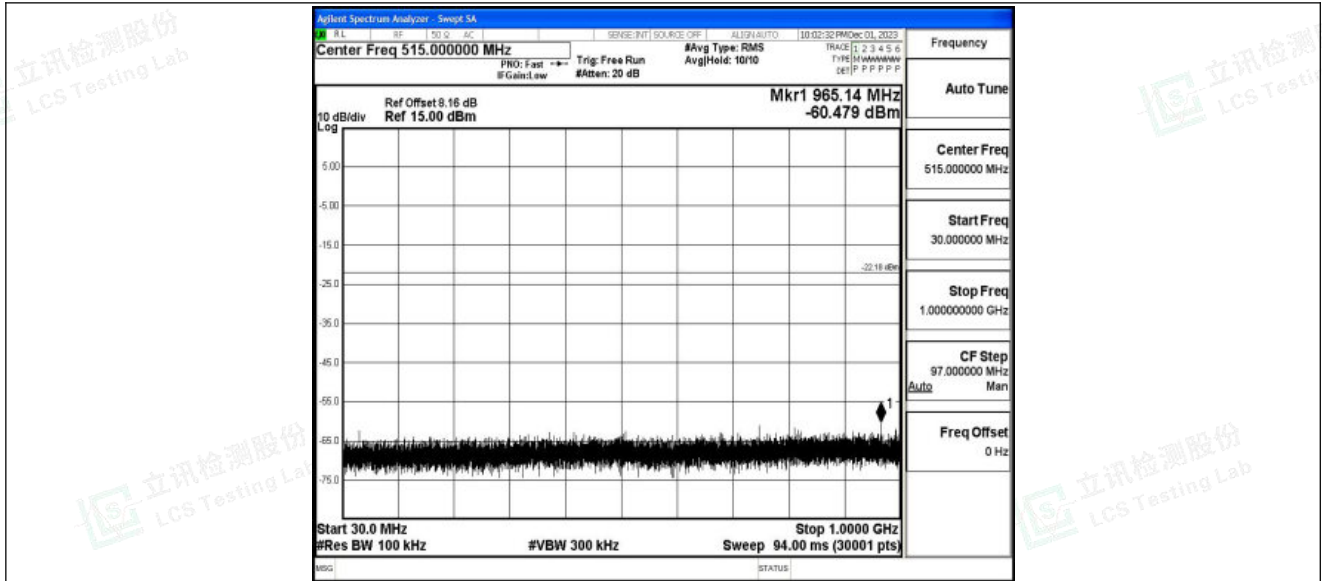


2DH5_Ant1_2402_0~Reference

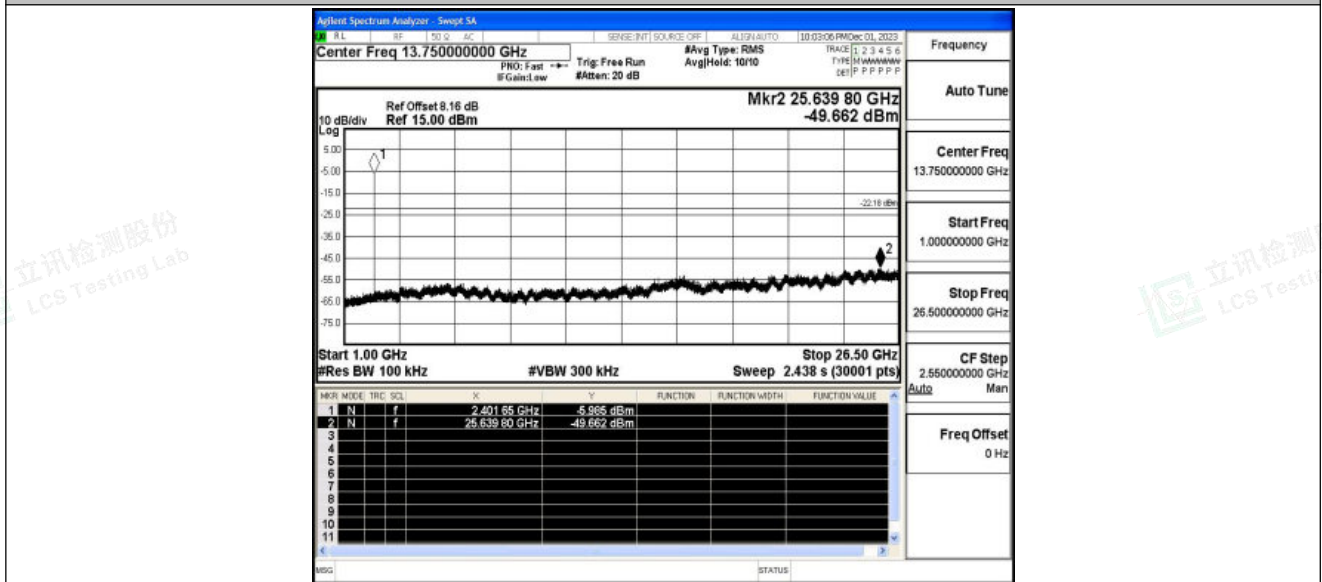


2DH5_Ant1_2402_30~1000



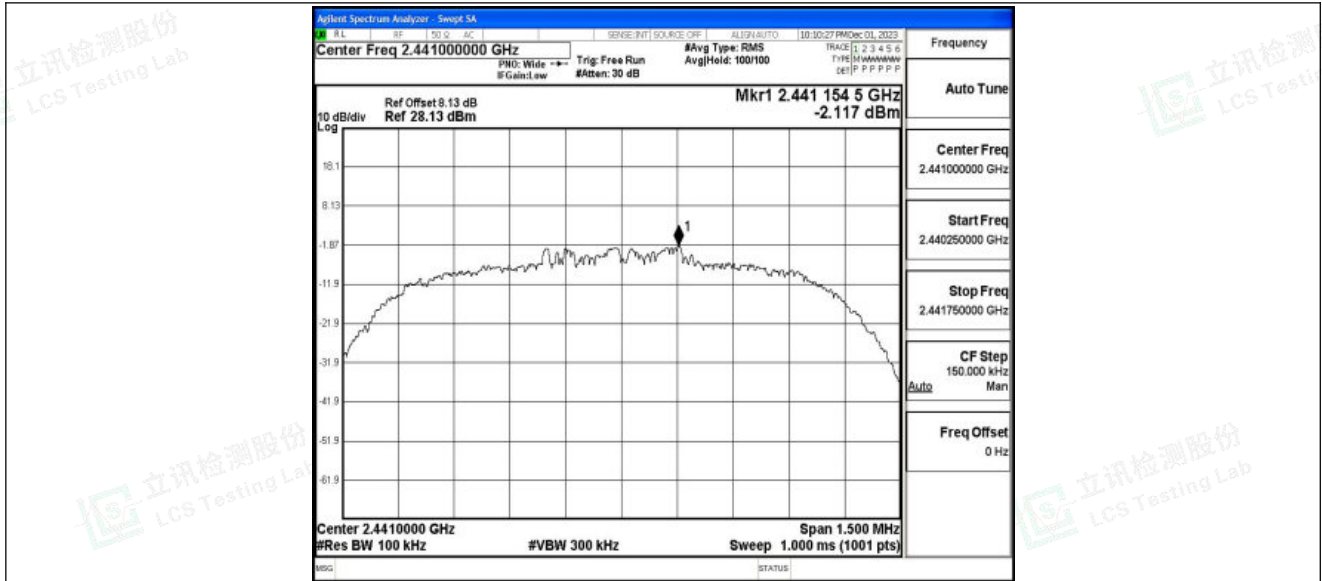


2DH5_Ant1_2402_1000~26500

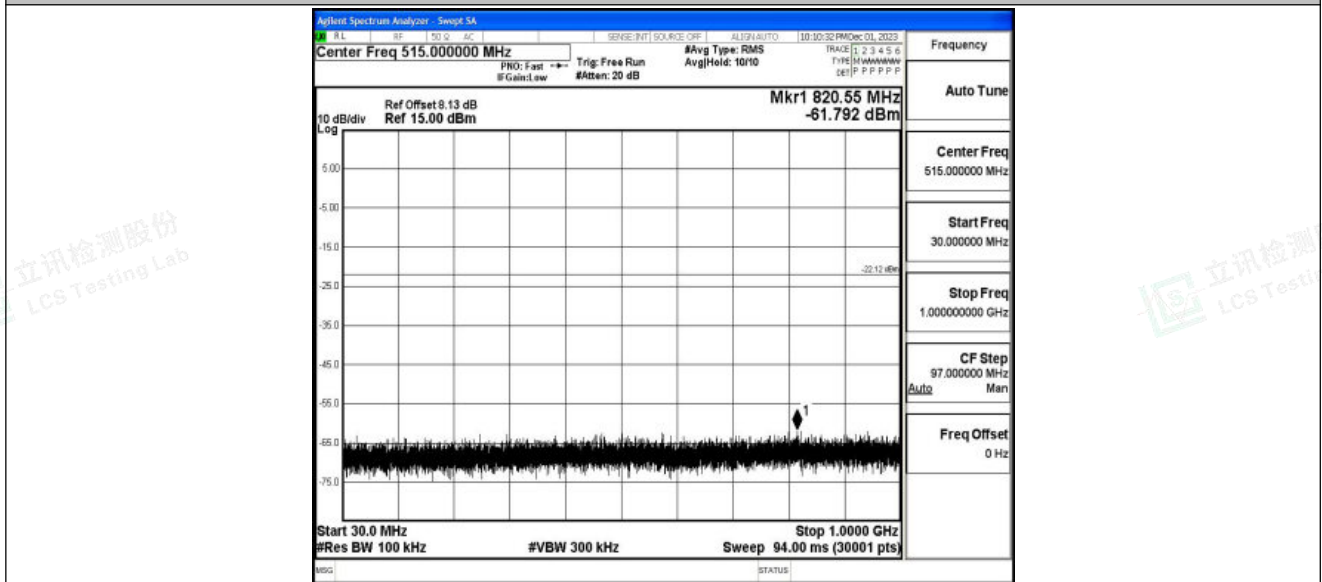


2DH5_Ant1_2441_0~Reference



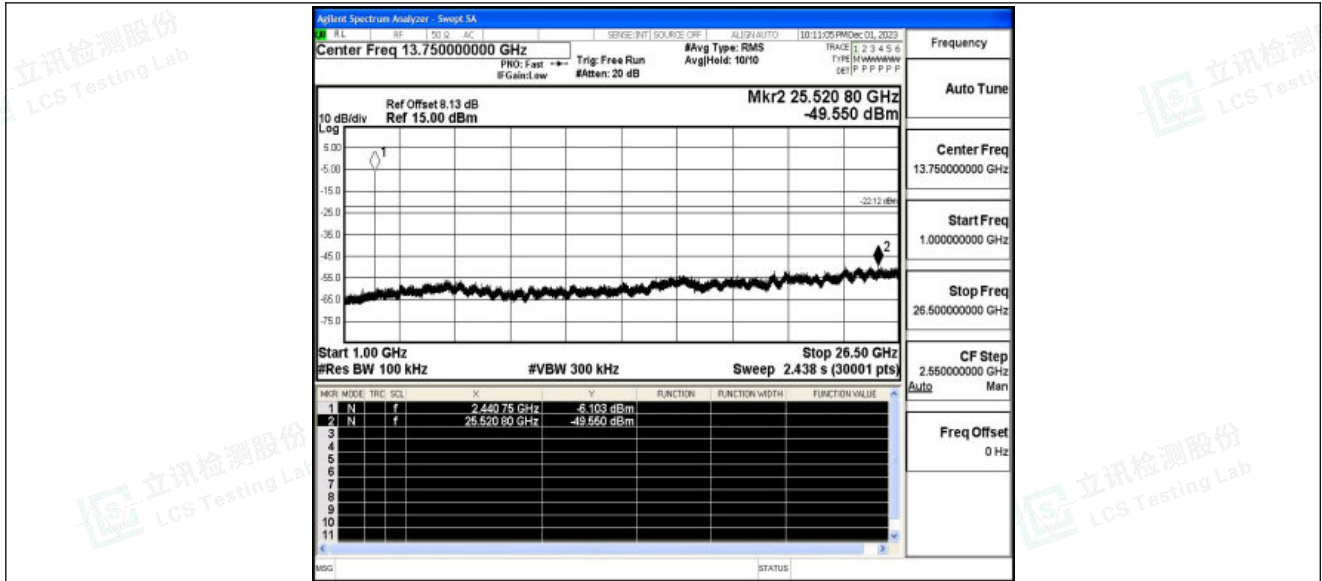


2DH5_Ant1_2441_30~1000

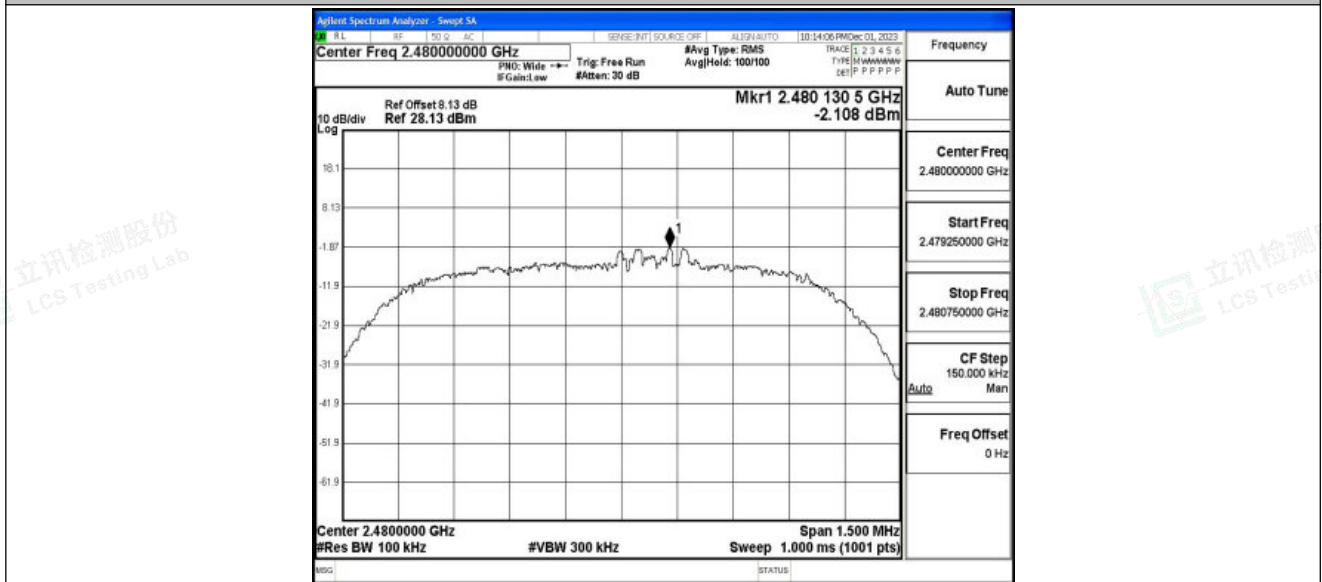


2DH5_Ant1_2441_1000~26500



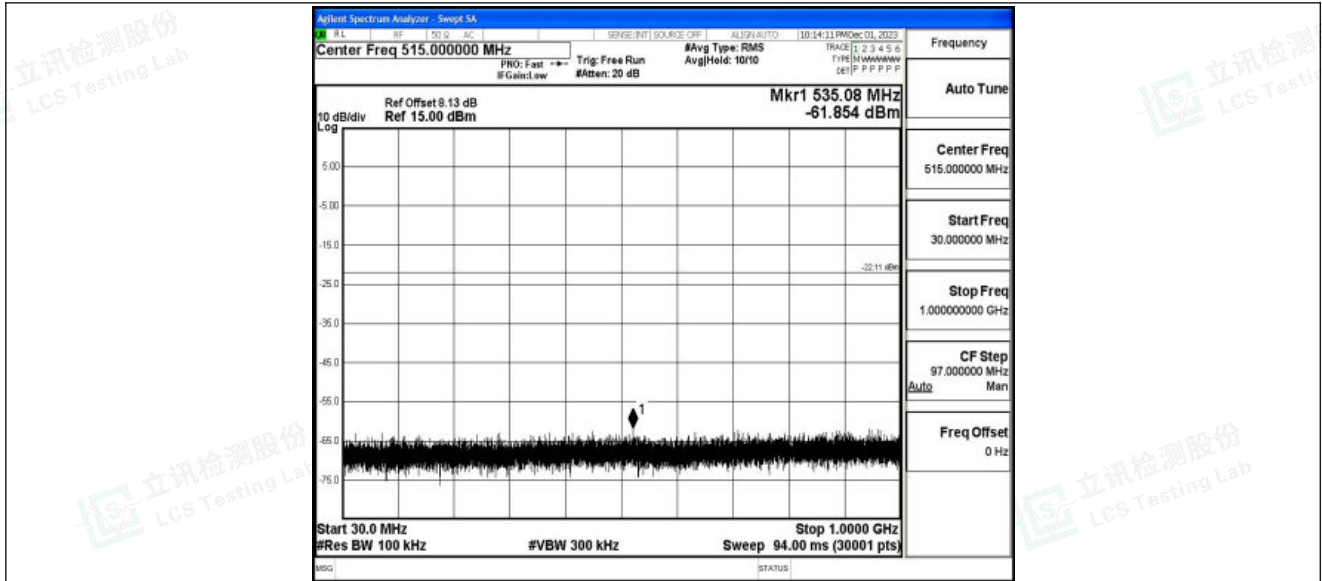


2DH5_Ant1_2480_0~Reference

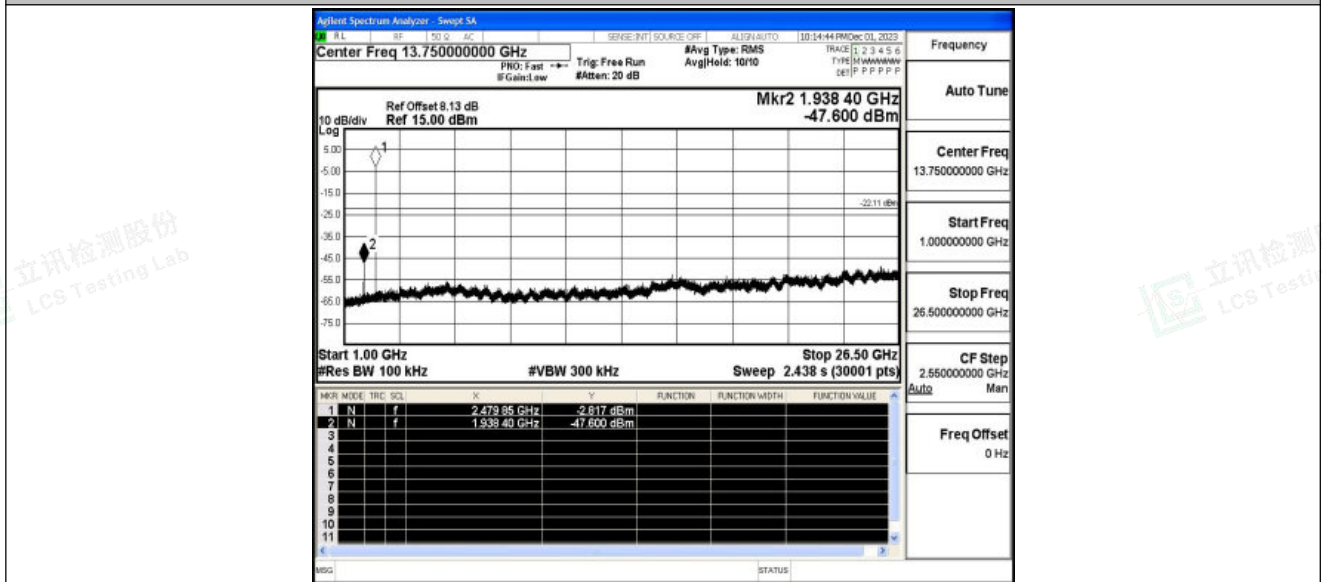


2DH5_Ant1_2480_30~1000



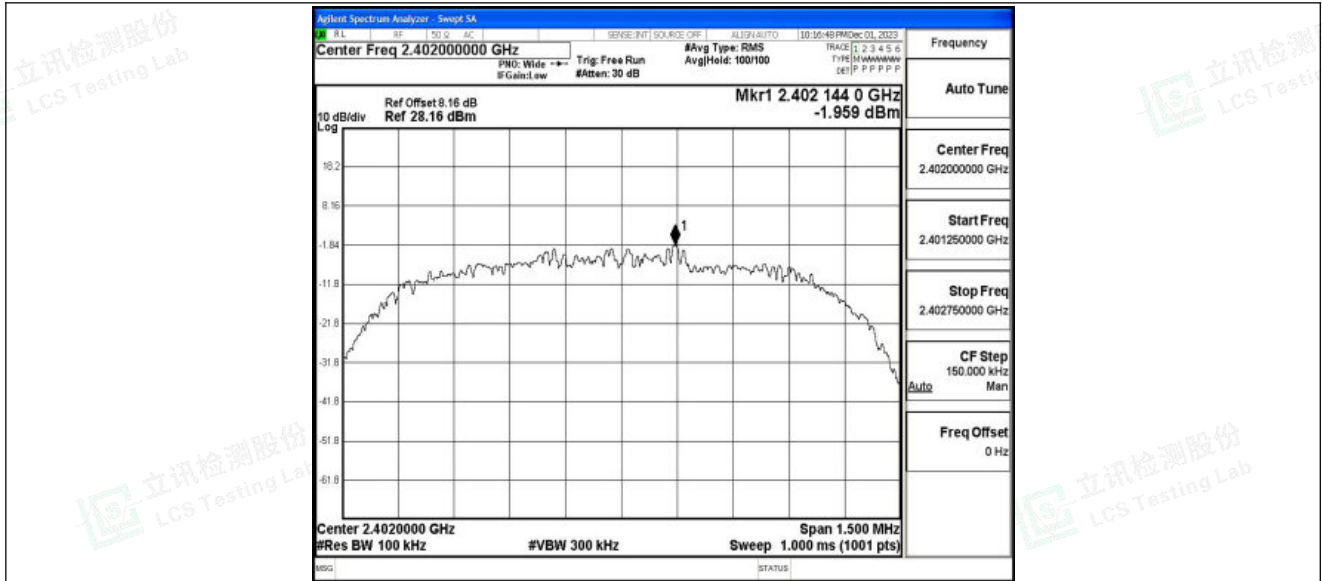


2DH5_Ant1_2480_1000~26500

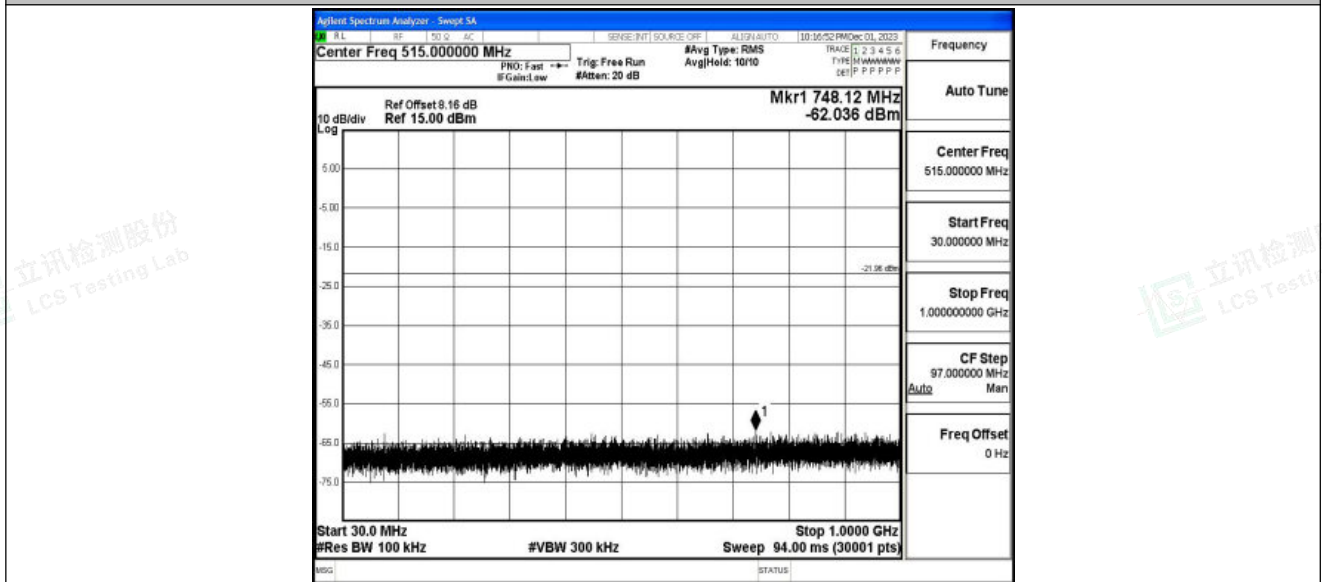


3DH5_Ant1_2402_0~Reference



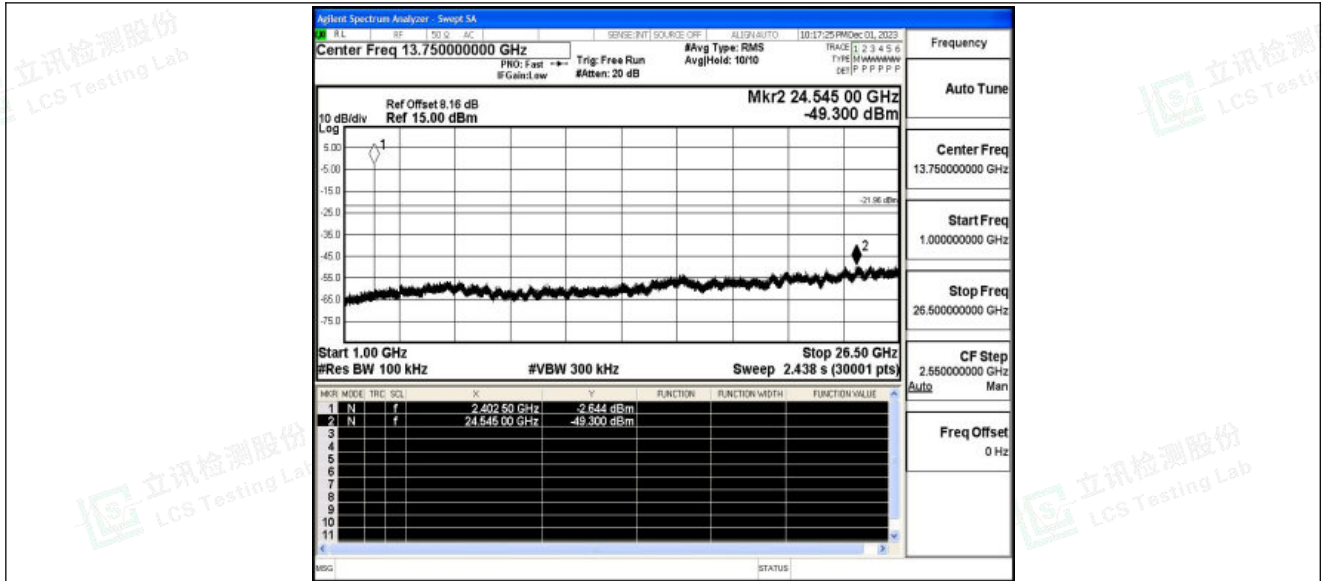


3DH5_Ant1_2402_30~1000

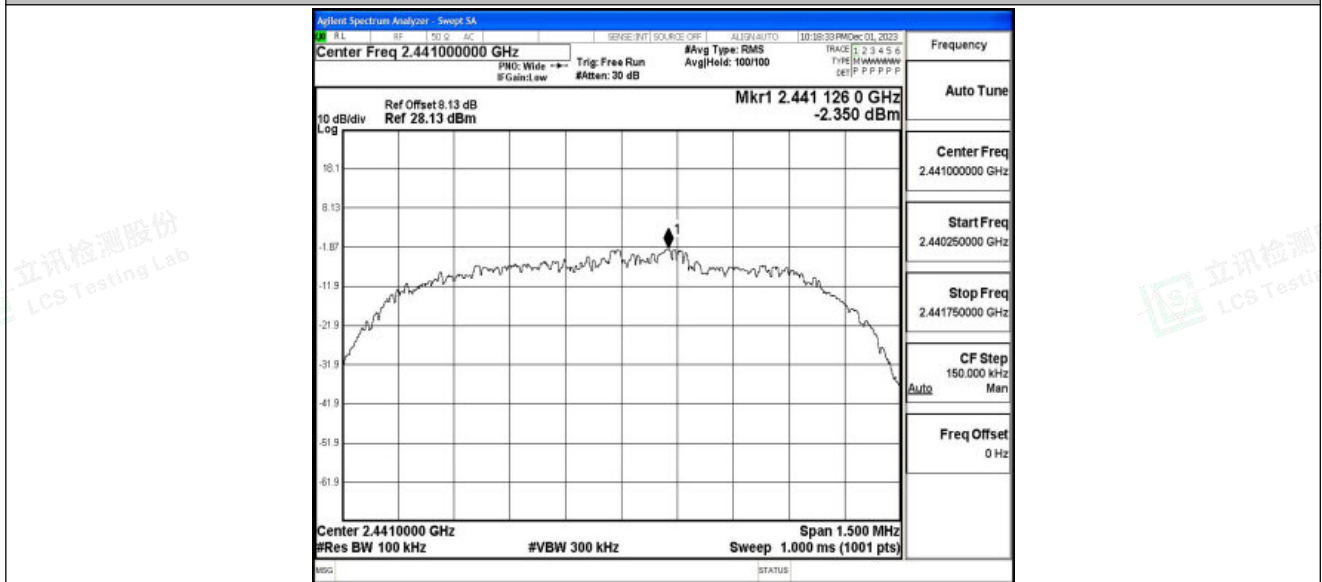


3DH5_Ant1_2402_1000~26500



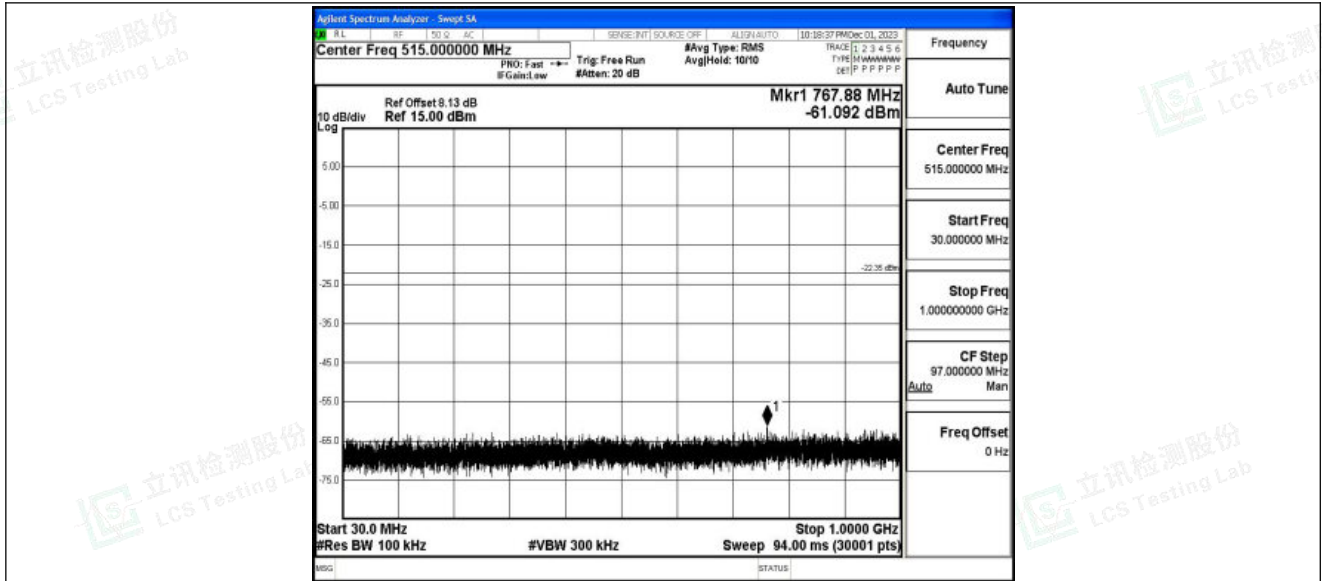


3DH5_Ant1_2441_0~Reference

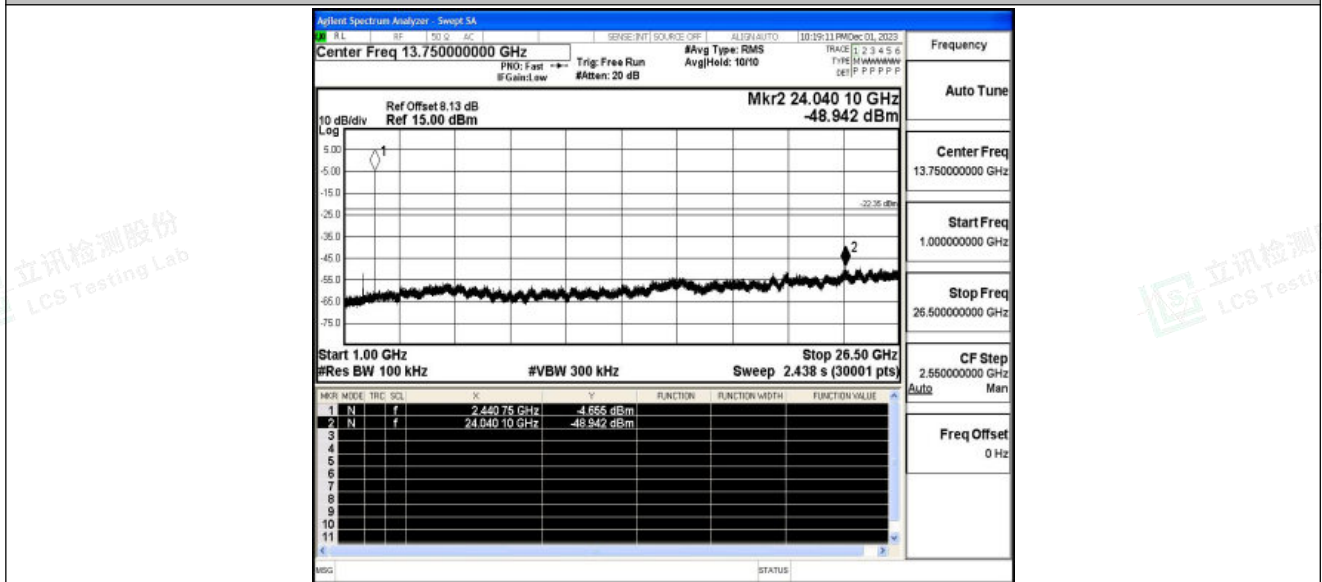


3DH5_Ant1_2441_30~1000





3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference

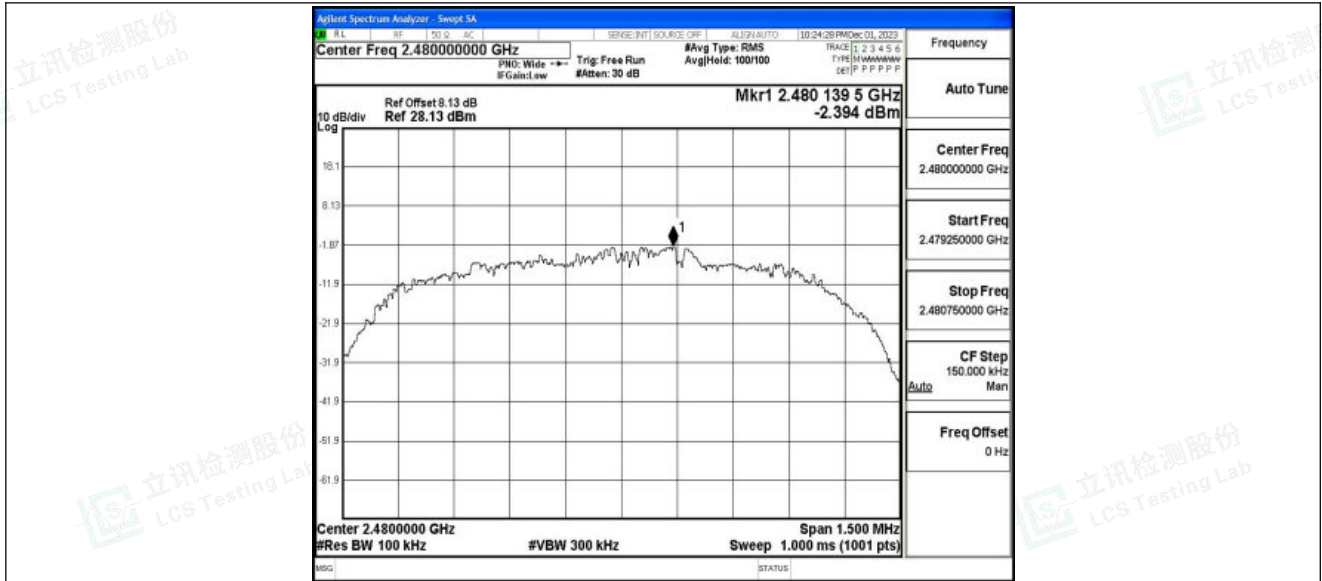


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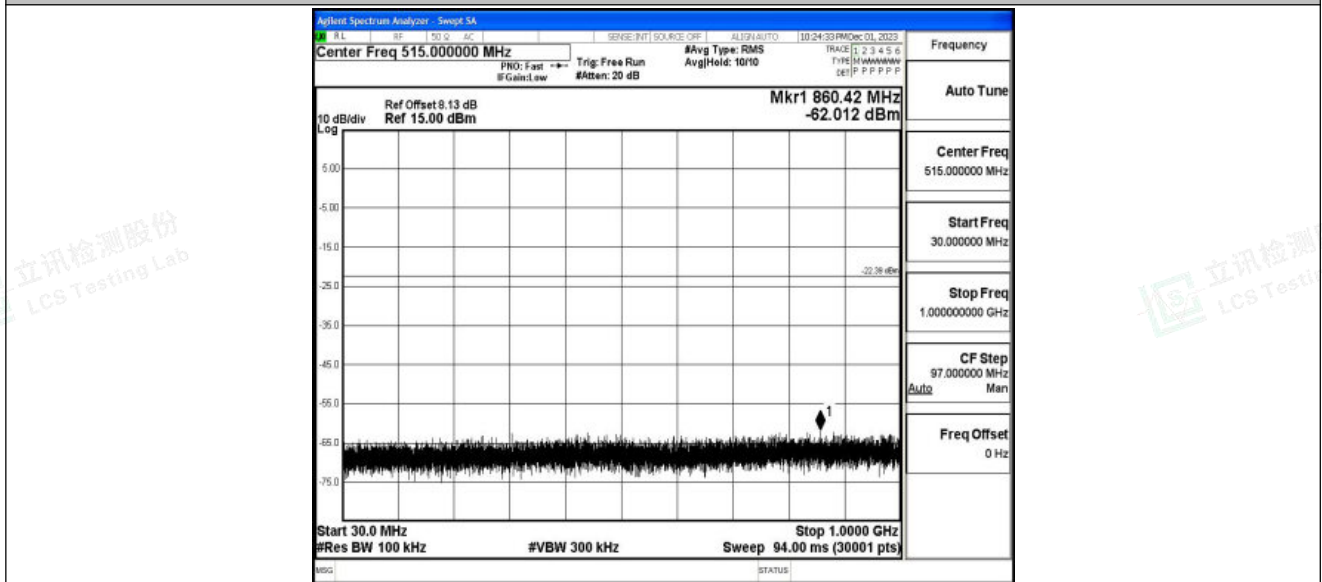
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3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500

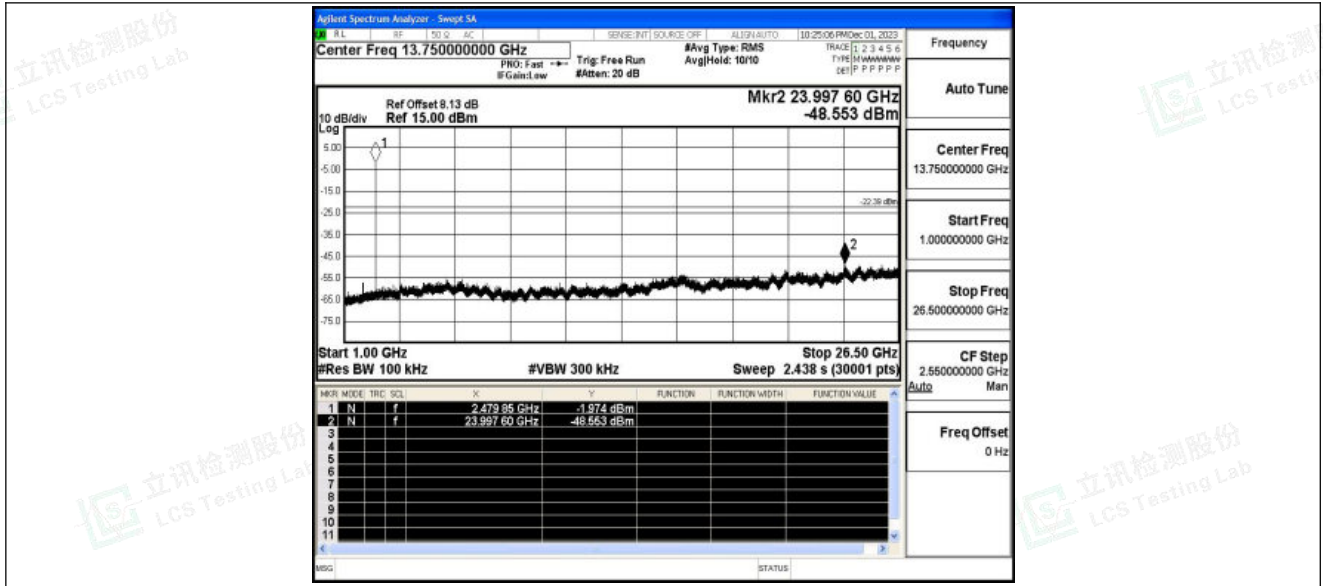


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A.8 Emissions in Restricted Bands

Test Result

TestM ode	Anten na	ChNam e	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.14	≤-41.20	46.06	≤54	PASS
				AV	2389.565	-48.65	≤-41.20	46.55	≤54	PASS
				AV	2390.000	-48.84	≤-41.20	46.36	≤54	PASS
				Peak	2310.000	-45.79	≤-21.20	49.41	≤74	PASS
				Peak	2385.050	-39.09	≤-21.20	56.11	≤74	PASS
				Peak	2390.000	-42.84	≤-21.20	52.36	≤74	PASS
		High	2480	AV	2483.500	-48.55	≤-41.20	46.65	≤54	PASS
				AV	2490.720	-48.52	≤-41.20	46.68	≤54	PASS
				AV	2500.000	-48.63	≤-41.20	46.57	≤54	PASS
				Peak	2483.500	-43.89	≤-21.20	51.31	≤74	PASS
				Peak	2497.440	-40.36	≤-21.20	54.84	≤74	PASS
				Peak	2500.000	-44.07	≤-21.20	51.13	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-40.41	≤-21.20	54.79	≤74	PASS
				Peak	2364.365	-38.4	≤-21.20	56.80	≤74	PASS
				Peak	2390.000	-40.77	≤-21.20	54.43	≤74	PASS
		High	Hop_2480	Peak	2483.500	-40.72	≤-21.20	54.48	≤74	PASS
				Peak	2488.000	-38.42	≤-21.20	56.78	≤74	PASS
				Peak	2500.000	-40.22	≤-21.20	54.98	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-49.12	≤-41.20	46.08	≤54	PASS
				AV	2389.565	-48.63	≤-41.20	46.57	≤54	PASS
				AV	2390.000	-48.81	≤-41.20	46.39	≤54	PASS
				Peak	2310.000	-43.58	≤-21.20	51.62	≤74	PASS
				Peak	2370.140	-39.9	≤-21.20	55.30	≤74	PASS
				Peak	2390.000	-43.1	≤-21.20	52.10	≤74	PASS
		High	2480	AV	2483.500	-48.56	≤-41.20	46.64	≤54	PASS
				AV	2499.440	-48.49	≤-41.20	46.71	≤54	PASS
				AV	2500.000	-48.65	≤-41.20	46.55	≤54	PASS
				Peak	2483.500	-44.08	≤-21.20	51.12	≤74	PASS





		Low	Hop_2402	Peak	2486.560	-39.68	≤-21.20	55.52	≤74	PASS
				Peak	2500.000	-45.04	≤-21.20	50.16	≤74	PASS
				Peak	2310.000	-39.26	≤-21.20	55.94	≤74	PASS
				Peak	2317.430	-38.01	≤-21.20	57.19	≤74	PASS
				Peak	2390.000	-40.01	≤-21.20	55.19	≤74	PASS
				Peak	2483.500	-39.81	≤-21.20	55.39	≤74	PASS
		High	Hop_2480	Peak	2495.200	-37.98	≤-21.20	57.22	≤74	PASS
				Peak	2500.000	-41	≤-21.20	54.20	≤74	PASS
				AV	2310.000	-49.05	≤-41.20	46.15	≤54	PASS
				AV	2380.955	-48.6	≤-41.20	46.60	≤54	PASS
				AV	2390.000	-48.78	≤-41.20	46.42	≤54	PASS
				Peak	2310.000	-45.29	≤-21.20	49.91	≤74	PASS
3DH5	Ant1	Low	2402	Peak	2324.360	-39.83	≤-21.20	55.37	≤74	PASS
				Peak	2390.000	-43.36	≤-21.20	51.84	≤74	PASS
				AV	2483.500	-48.41	≤-41.20	46.79	≤54	PASS
				AV	2483.520	-48.41	≤-41.20	46.79	≤54	PASS
				AV	2500.000	-48.71	≤-41.20	46.49	≤54	PASS
				Peak	2483.500	-42.3	≤-21.20	52.90	≤74	PASS
		High	2480	Peak	2489.600	-39.02	≤-21.20	56.18	≤74	PASS
				Peak	2500.000	-44.11	≤-21.20	51.09	≤74	PASS
				Peak	2310.000	-39.61	≤-21.20	55.59	≤74	PASS
				Peak	2328.875	-38.52	≤-21.20	56.68	≤74	PASS
				Peak	2390.000	-40.42	≤-21.20	54.78	≤74	PASS
				Peak	2483.500	-40.43	≤-21.20	54.77	≤74	PASS
Low	Hop_2402	Peak	2486.640	-37.96	≤-21.20	57.24	≤74	PASS		
		Peak	2500.000	-40.56	≤-21.20	54.64	≤74	PASS		
		Peak	2483.500	-40.43	≤-21.20	54.77	≤74	PASS		
		Peak	2486.640	-37.96	≤-21.20	57.24	≤74	PASS		
		Peak	2500.000	-40.56	≤-21.20	54.64	≤74	PASS		
		Peak	2483.500	-40.43	≤-21.20	54.77	≤74	PASS		
High	Hop_2480	Peak	2486.640	-37.96	≤-21.20	57.24	≤74	PASS		
		Peak	2500.000	-40.56	≤-21.20	54.64	≤74	PASS		
		Peak	2483.500	-40.43	≤-21.20	54.77	≤74	PASS		
		Peak	2486.640	-37.96	≤-21.20	57.24	≤74	PASS		
		Peak	2500.000	-40.56	≤-21.20	54.64	≤74	PASS		
		Peak	2483.500	-40.43	≤-21.20	54.77	≤74	PASS		

Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



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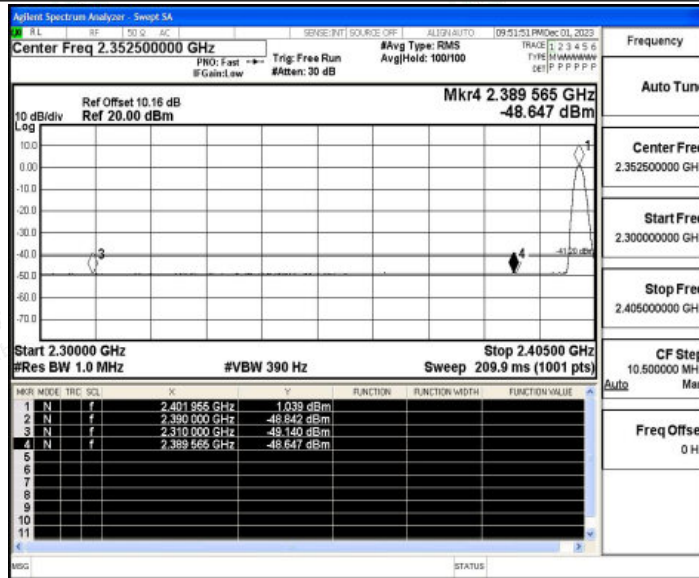
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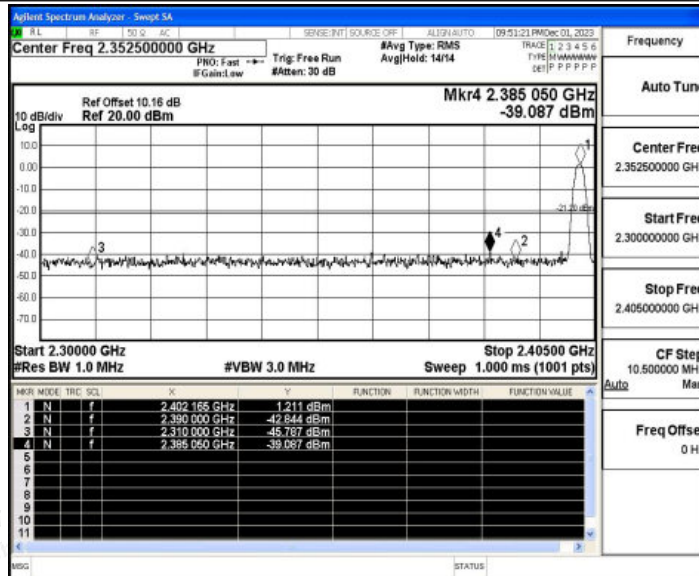


Test Graphs

DH5_Ant1_Low_2402_AV



DH5_Ant1_Low_2402_Peak



DH5_Ant1_High_2480_AV

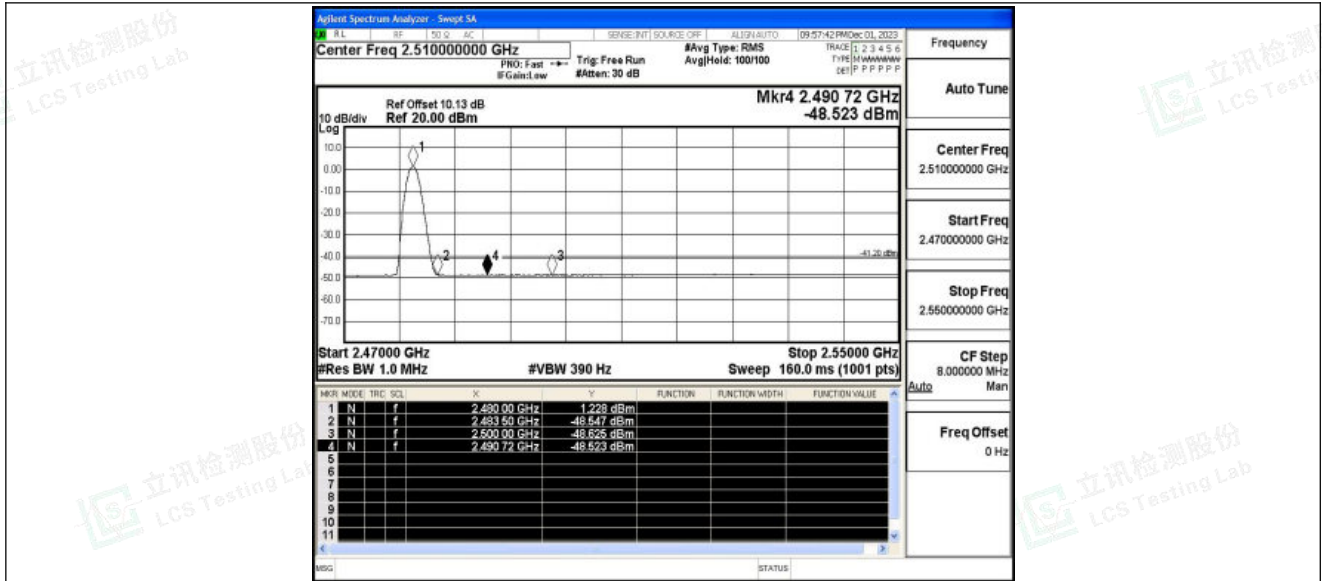


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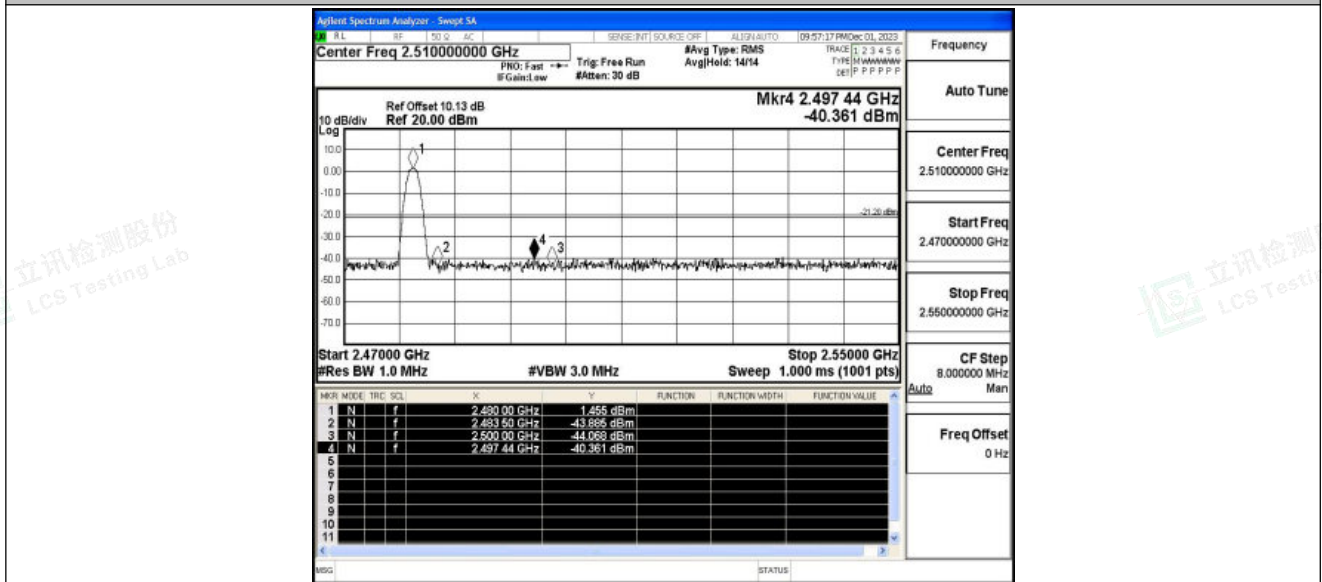
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DH5_Ant1_High_2480_Peak



DH5_Ant1_Low_Hop_2402_Peak

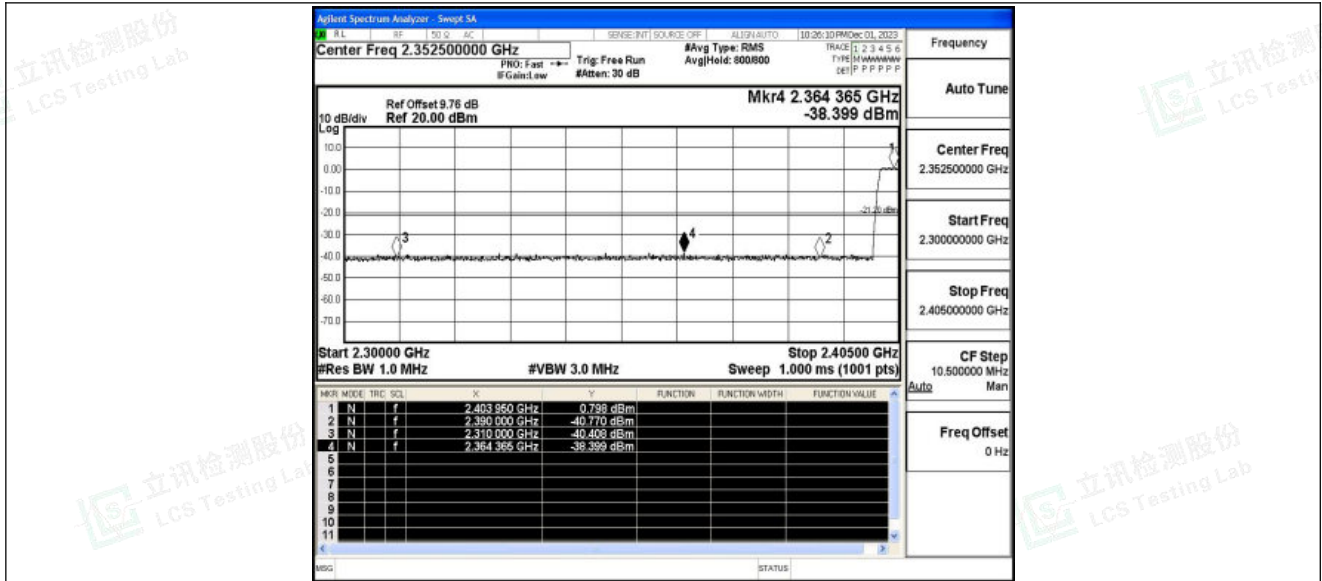


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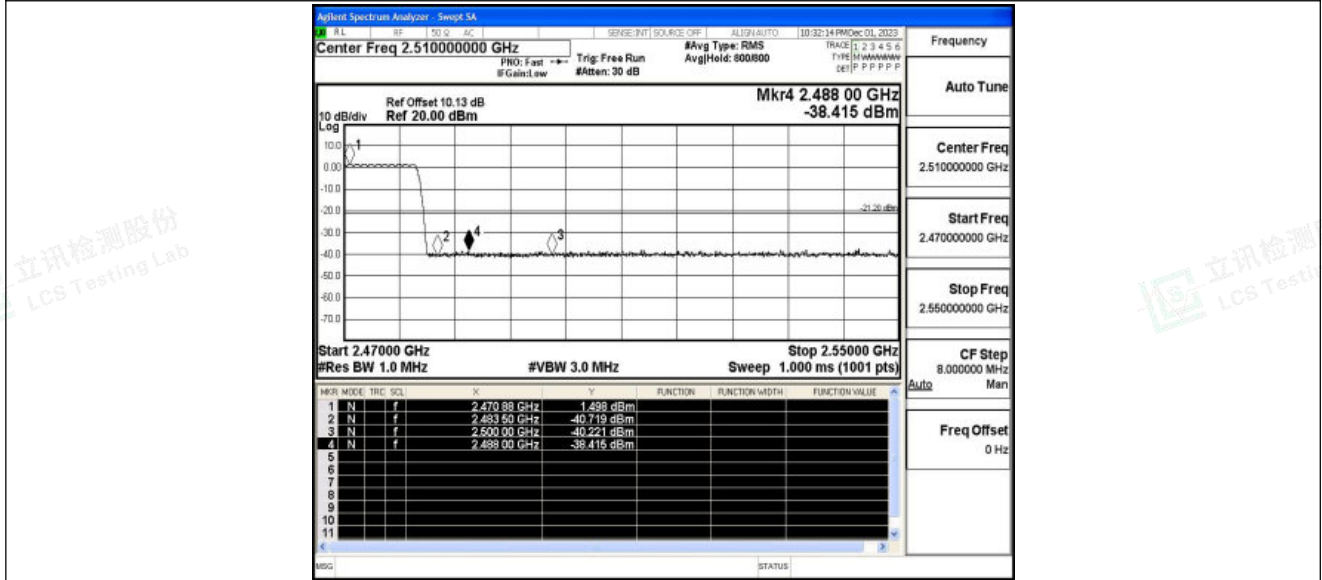
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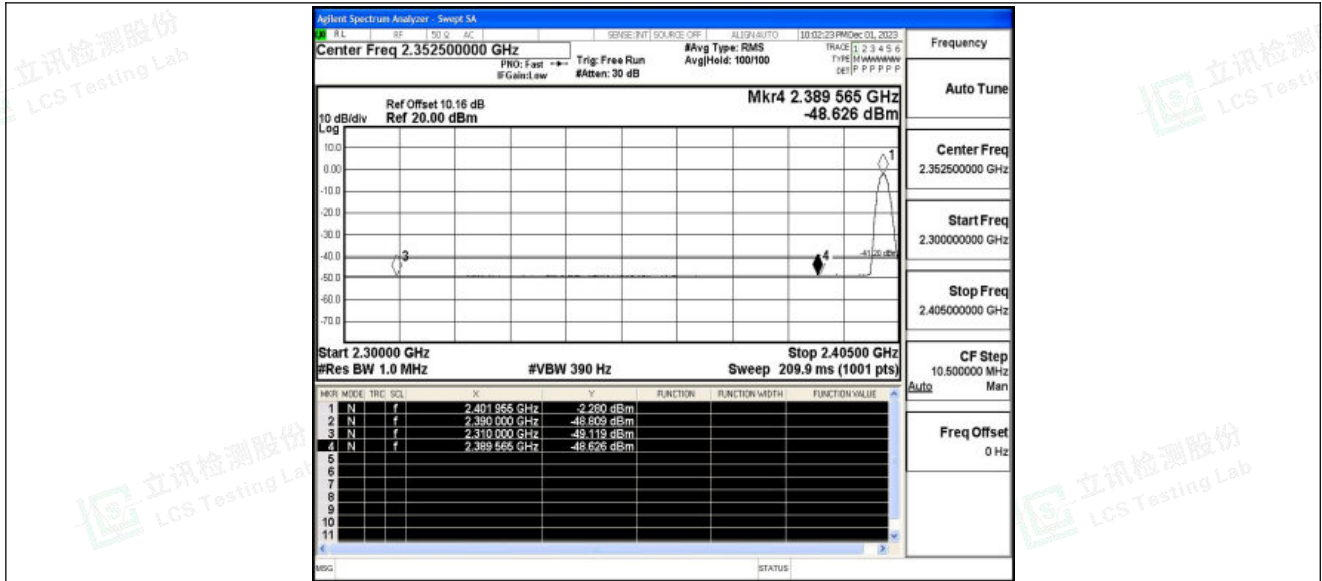


DH5_Ant1_High_Hop_2480_Peak

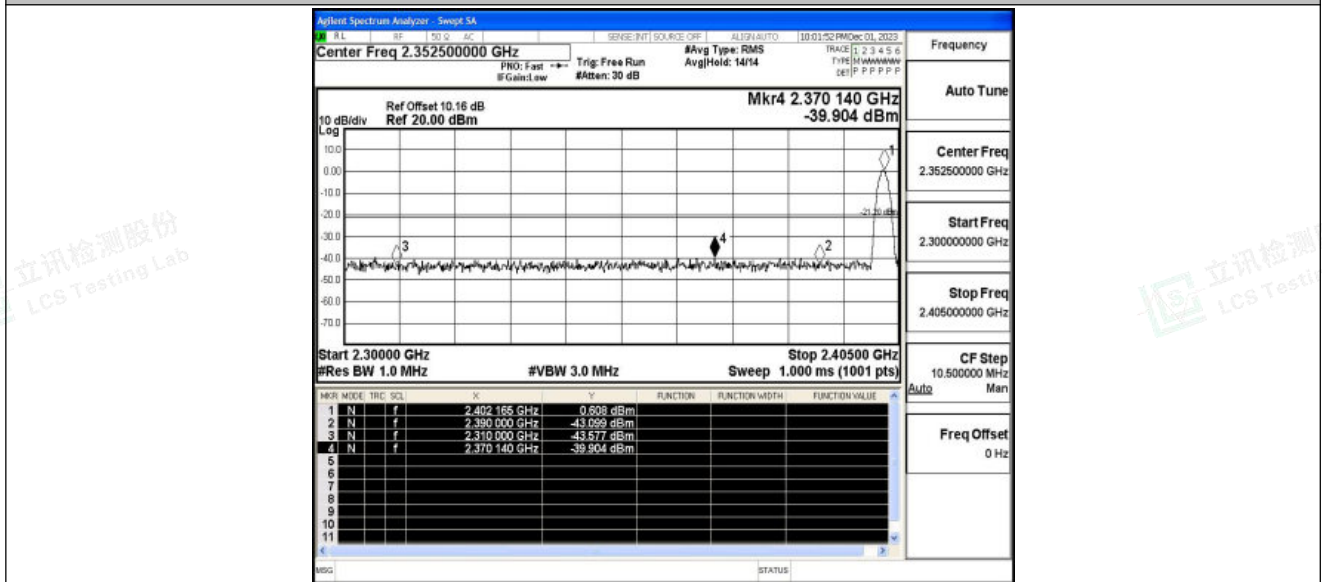


2DH5_Ant1_Low_2402_AV





2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV

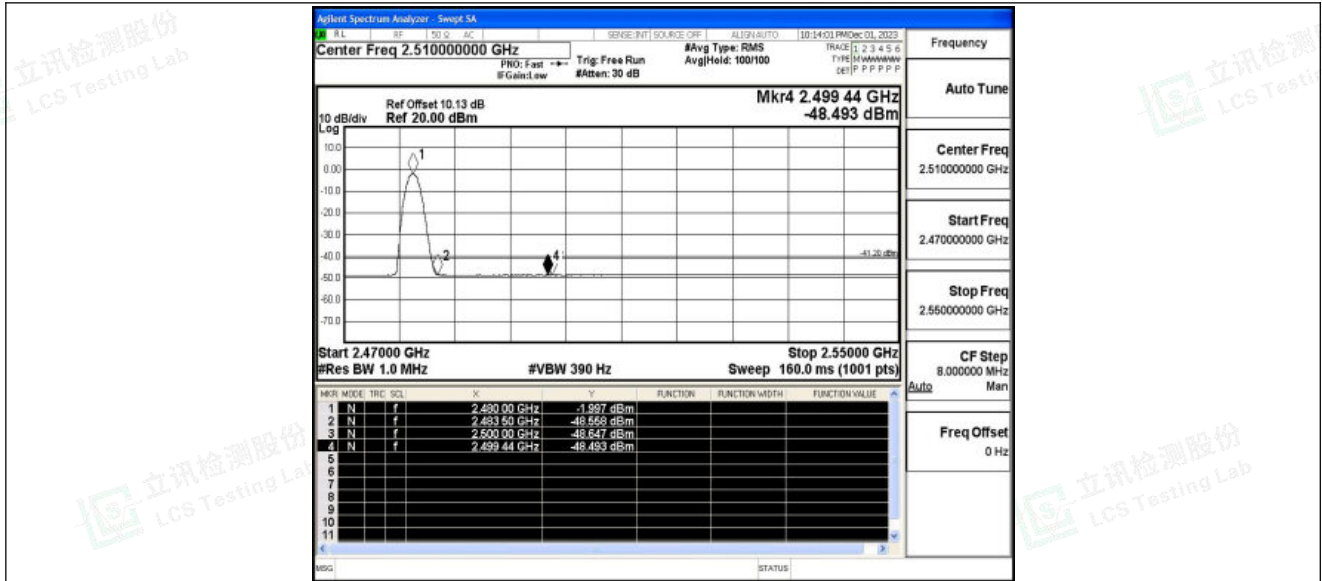


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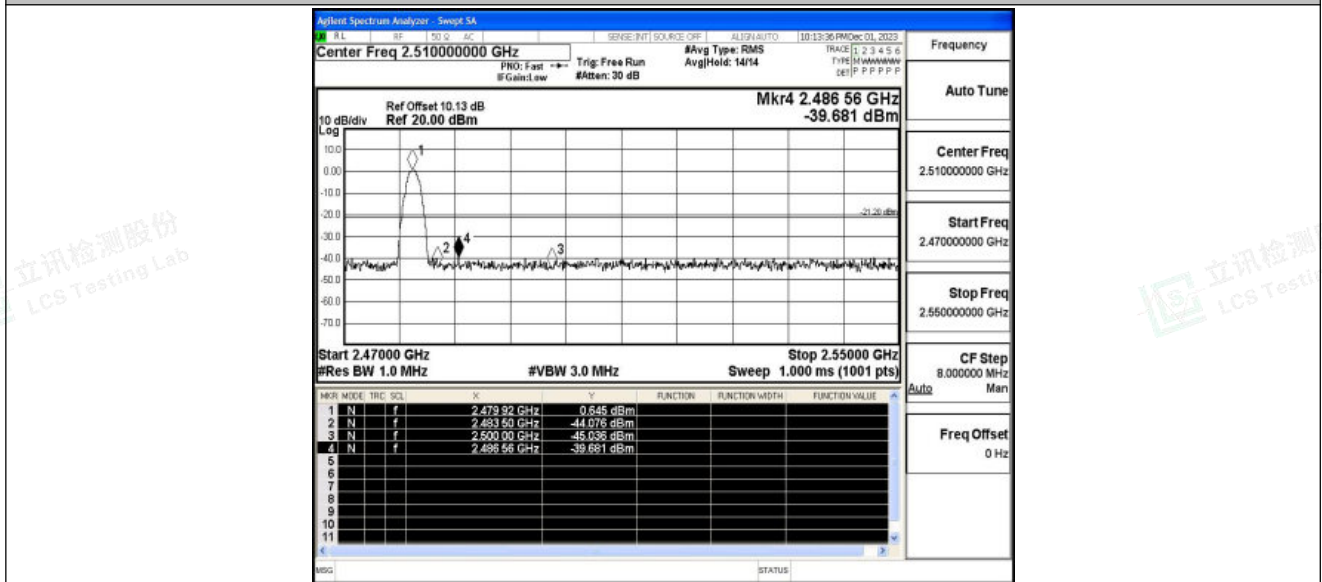
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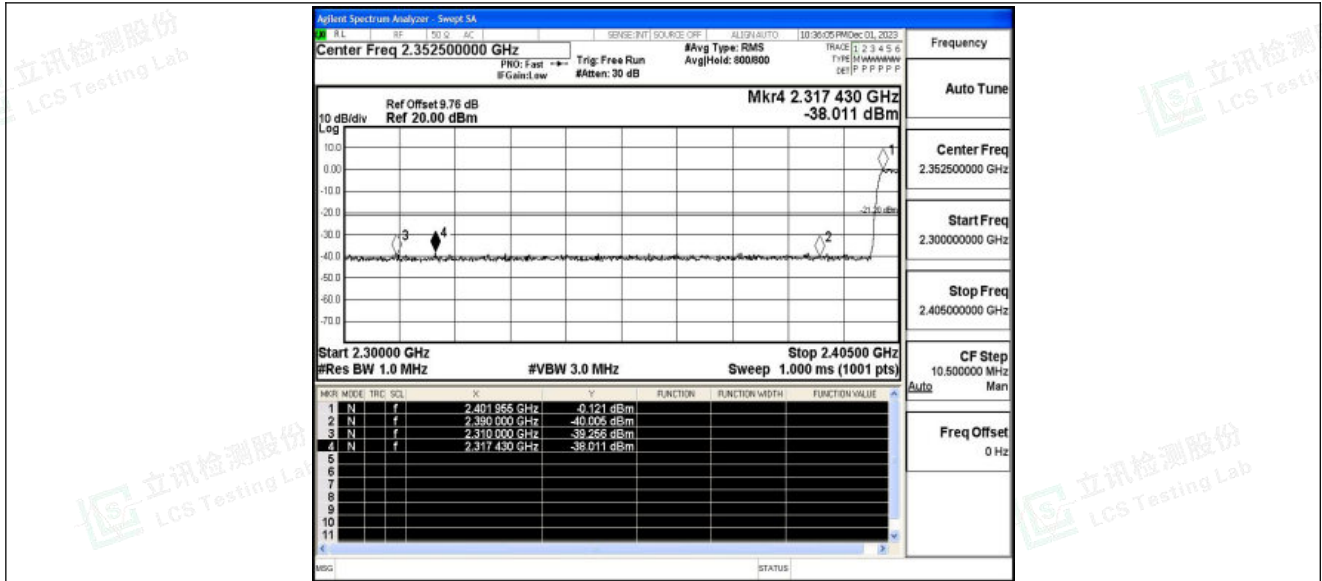


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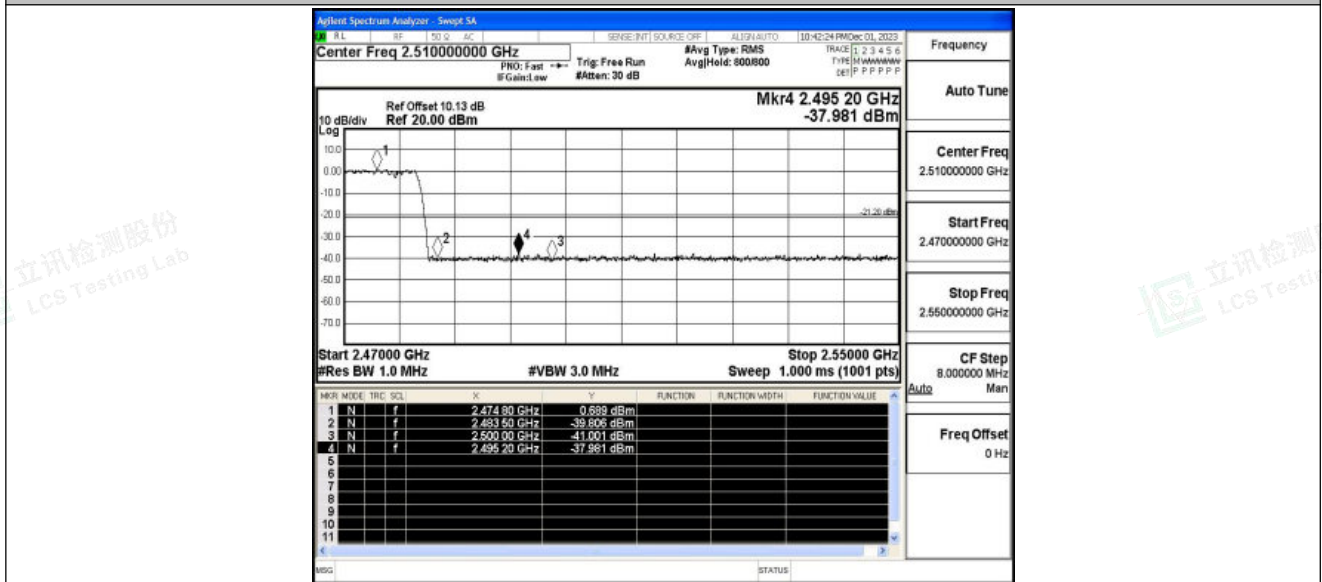


2DH5_Ant1_Low_Hop_2402_Peak





2DH5_Ant1_High_Hop_2480_Peak



3DH5_Ant1_Low_2402_AV

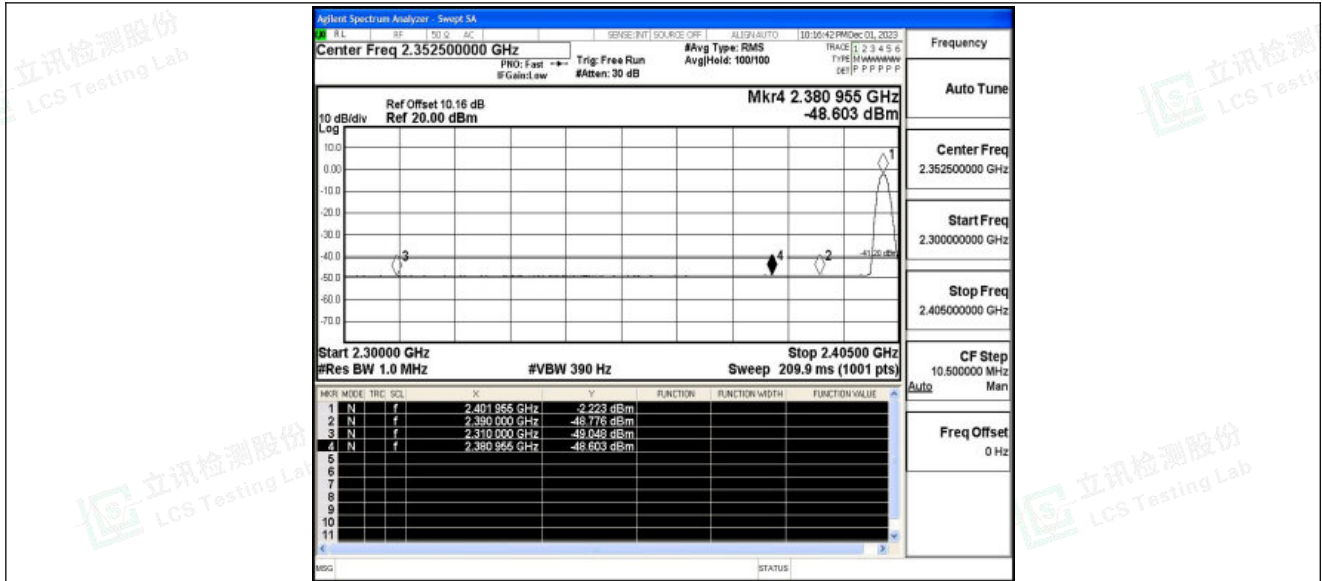


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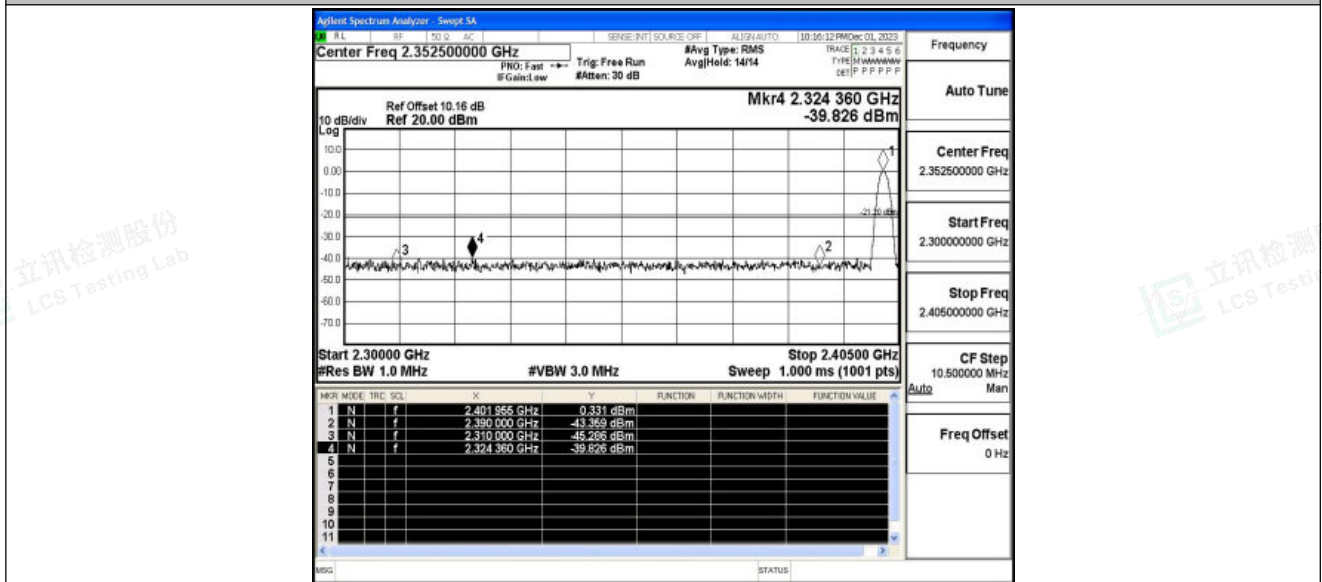
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3DH5_Ant1_Low_2402_Peak



3DH5_Ant1_High_2480_AV

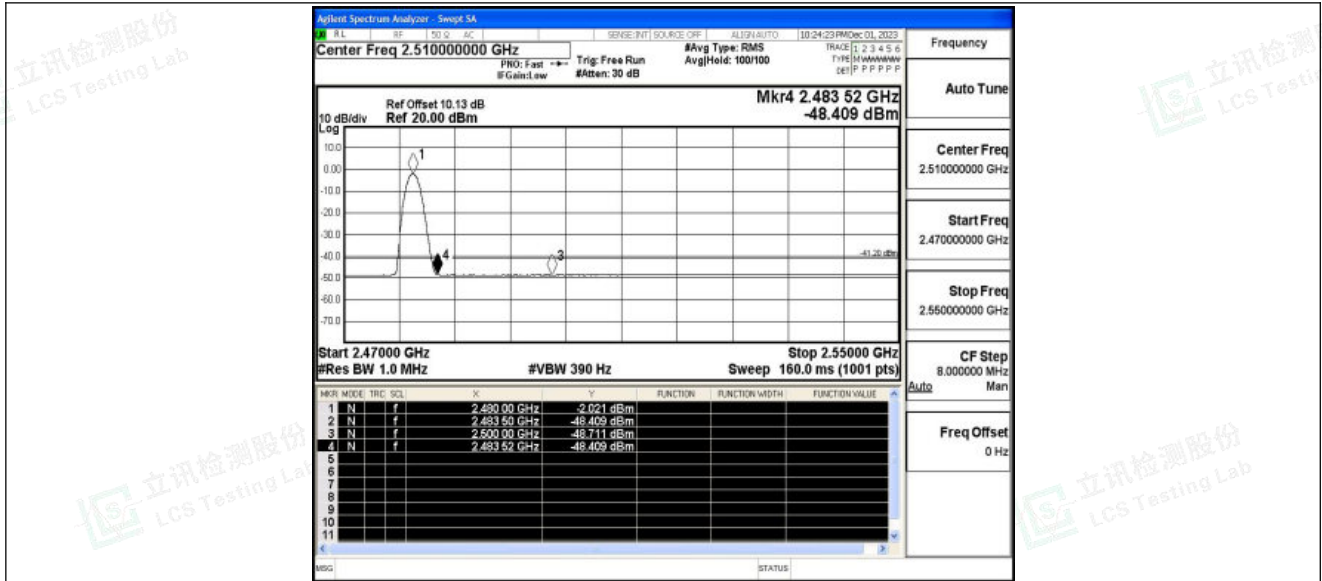


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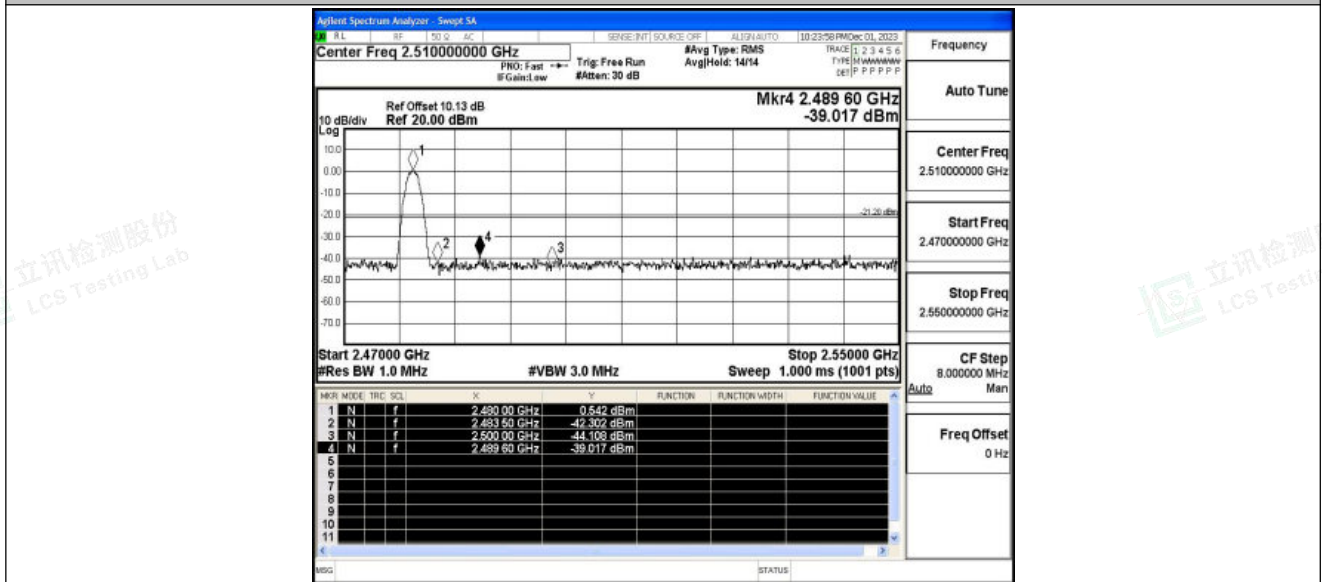
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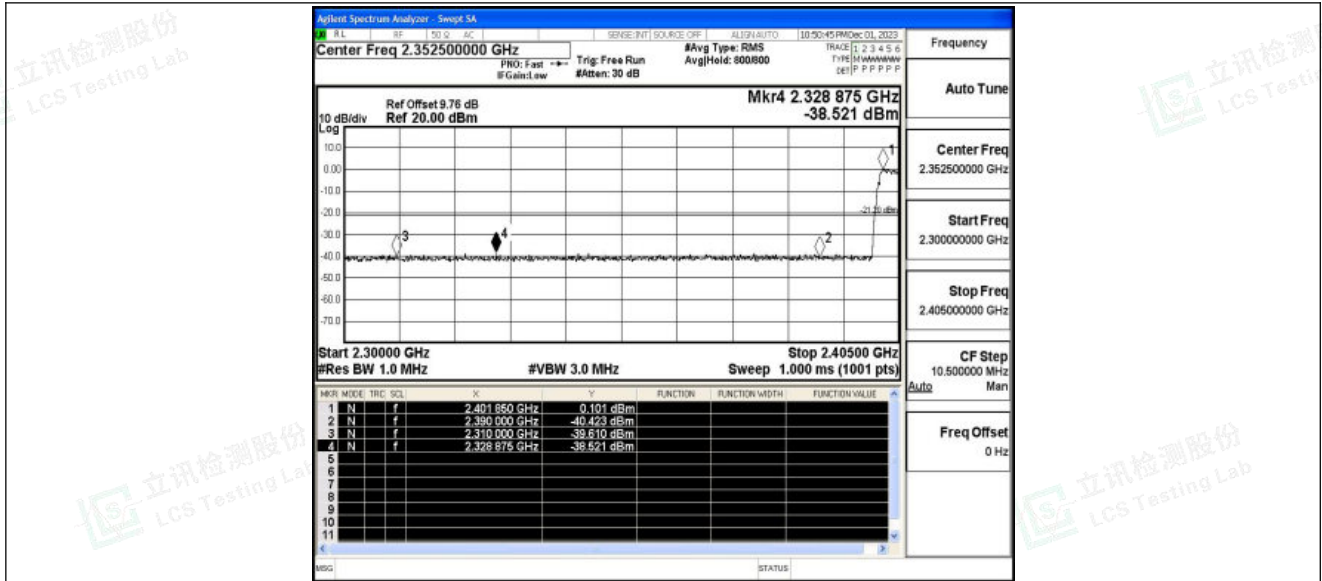


3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak





3DH5_Ant1_High_Hop_2480_Peak

