



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Tablet

Test Model: G12

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu





A.1 20dB Emission Bandwidth

Test Result

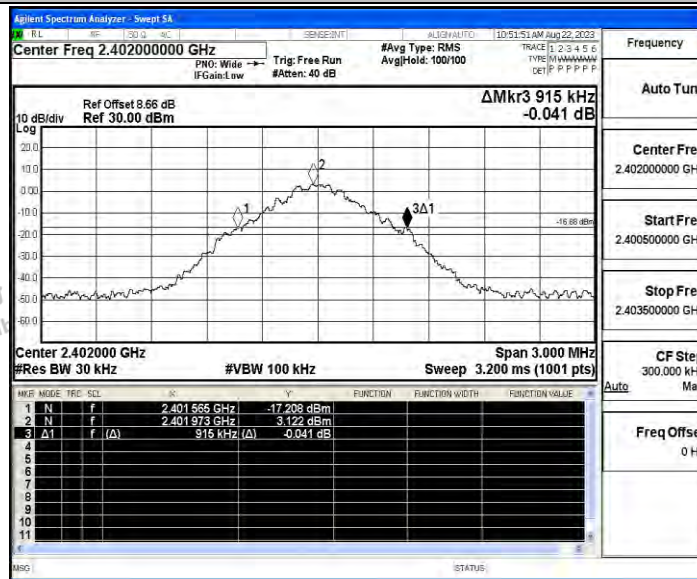
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	0.915	2401.565	2402.480	---
		2441	0.936	2440.547	2441.483	---
		2480	0.927	2479.553	2480.480	---
2DH5	Ant1	2402	1.287	2401.364	2402.651	---
		2441	1.323	2440.334	2441.657	---
		2480	1.308	2479.343	2480.651	---
3DH5	Ant1	2402	1.281	2401.355	2402.636	---
		2441	1.296	2440.349	2441.645	---
		2480	1.311	2479.343	2480.654	---



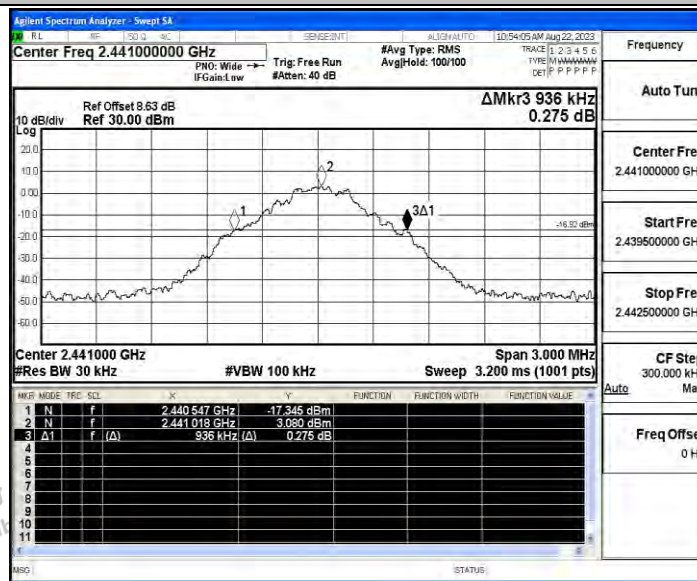


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

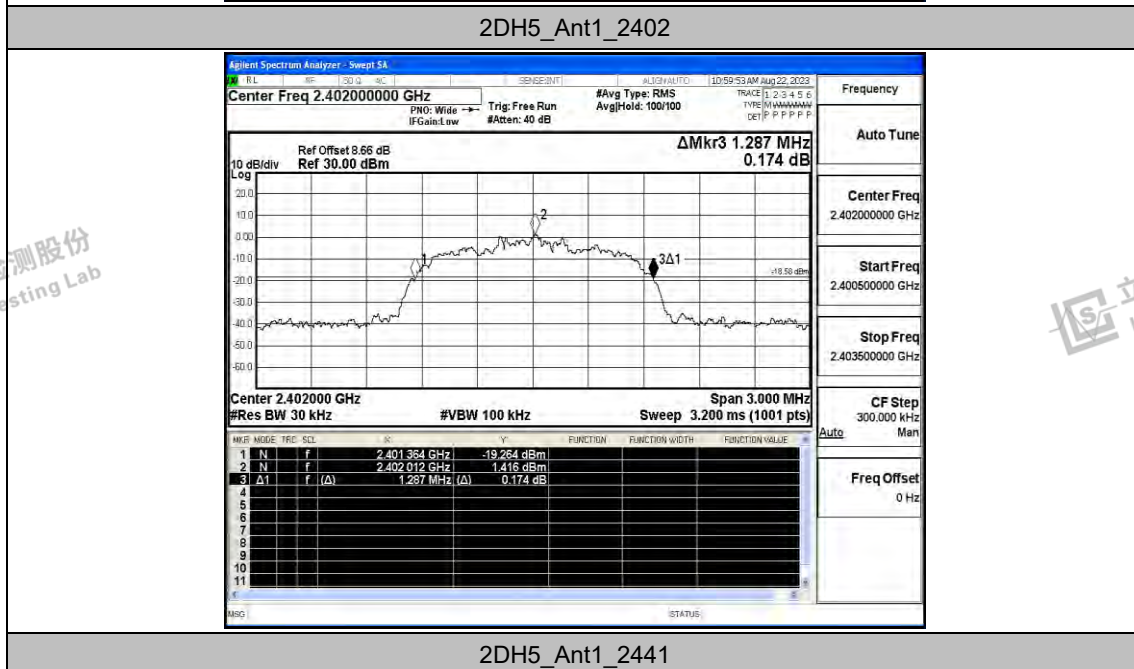
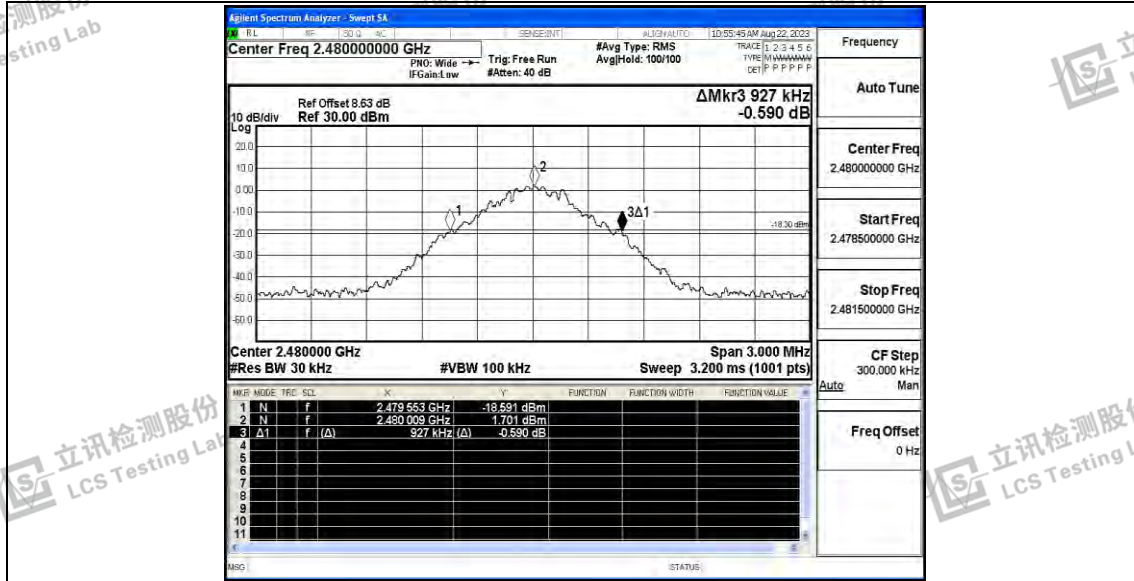


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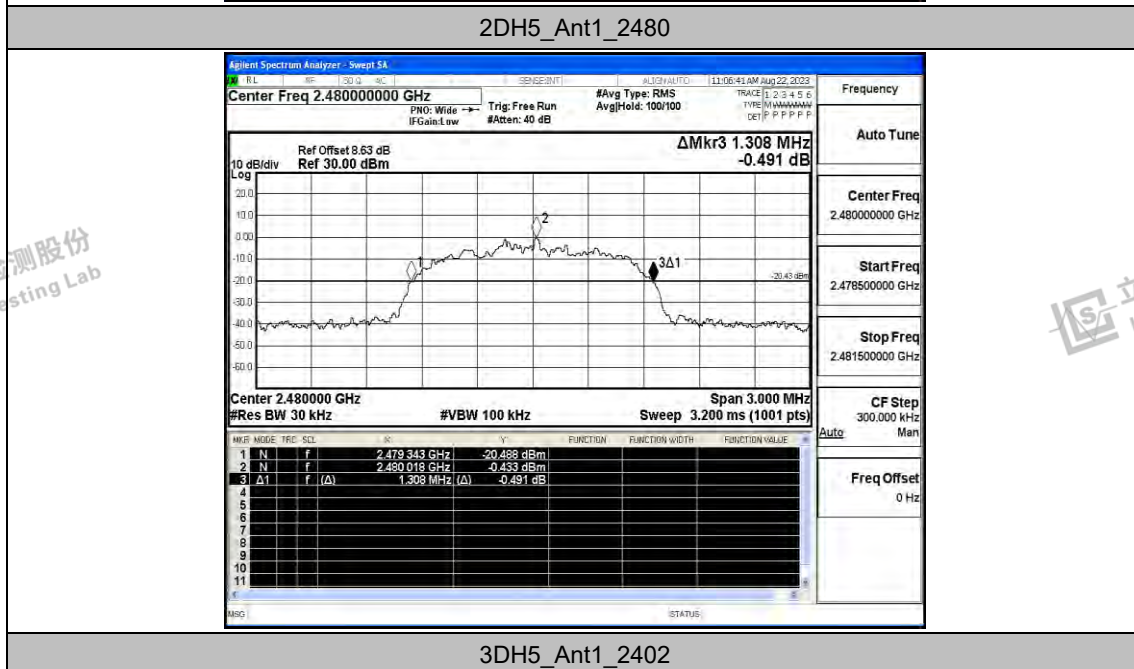
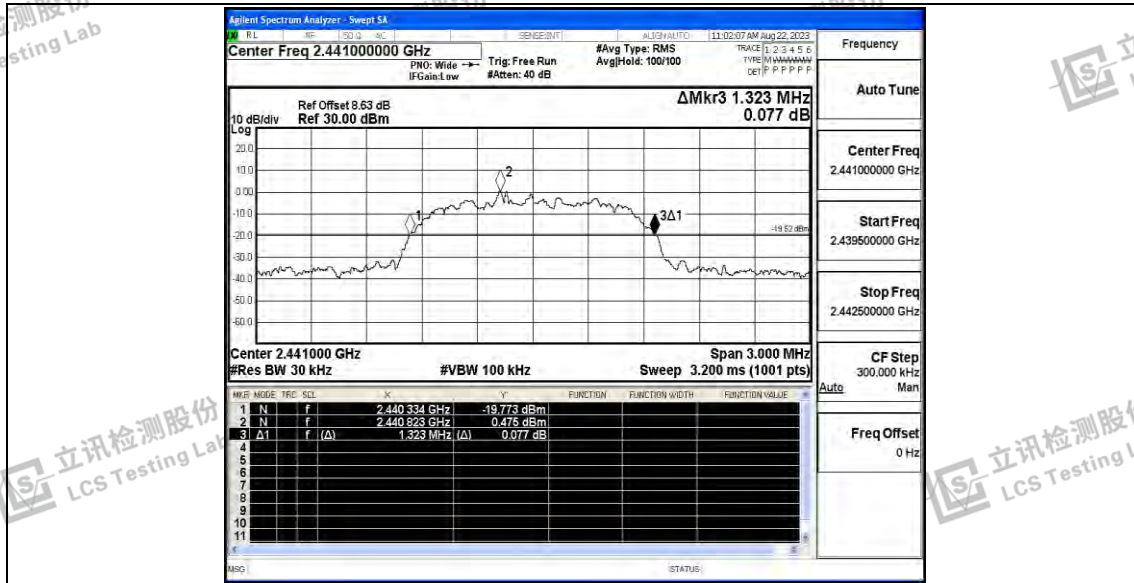


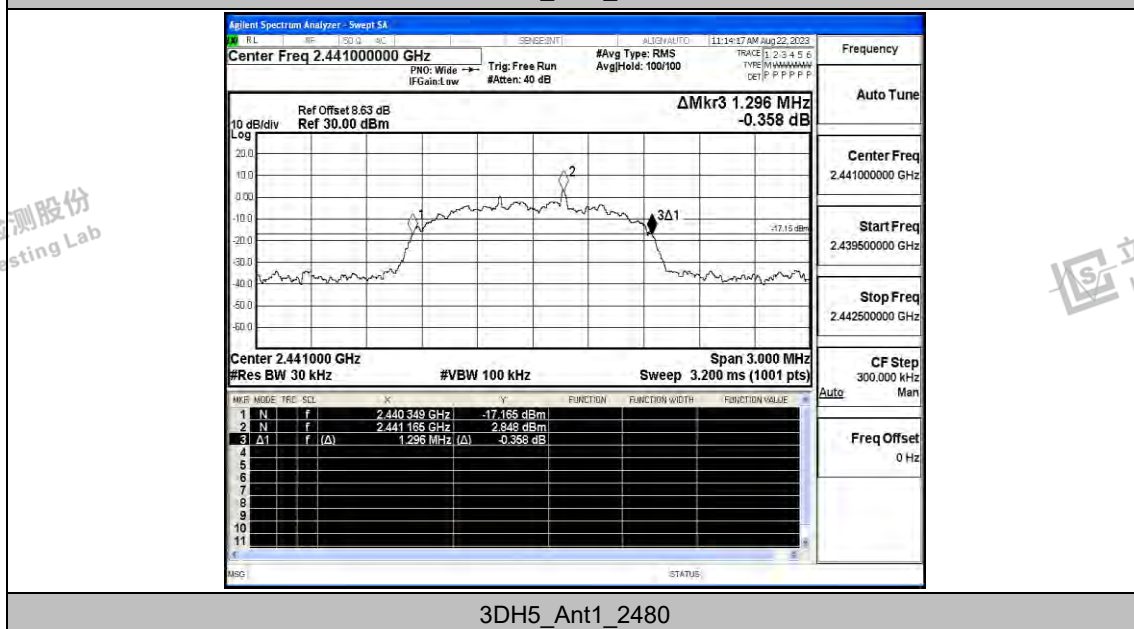
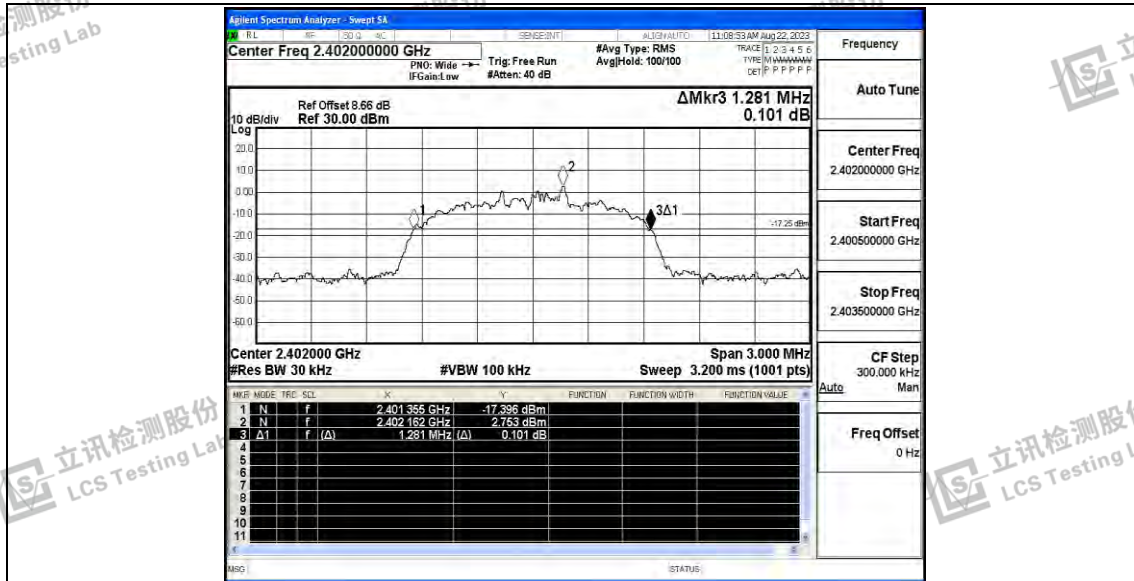
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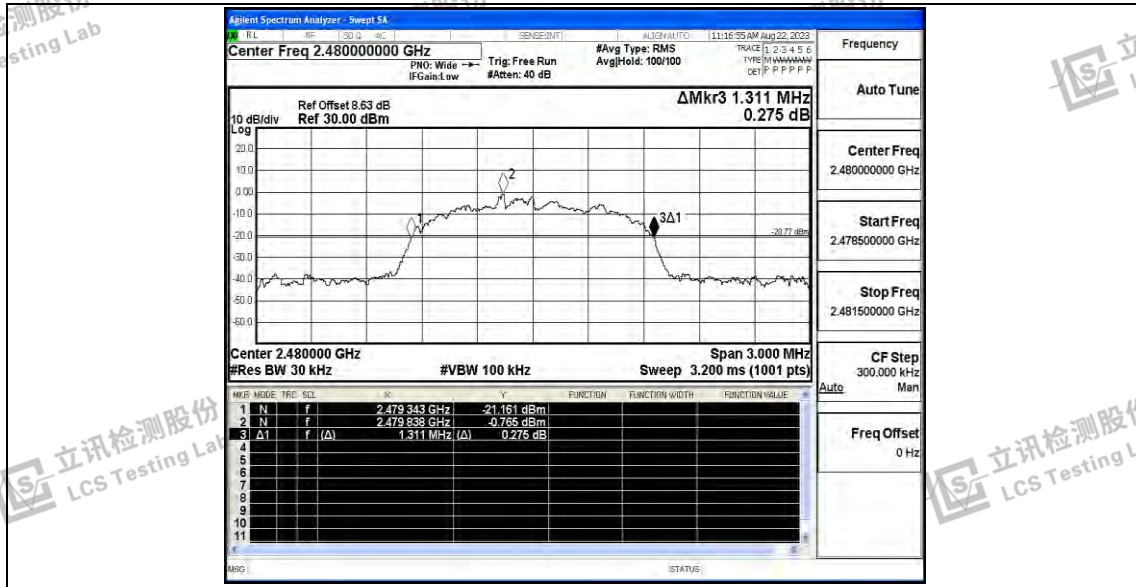


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A.2 Maximum conducted output power

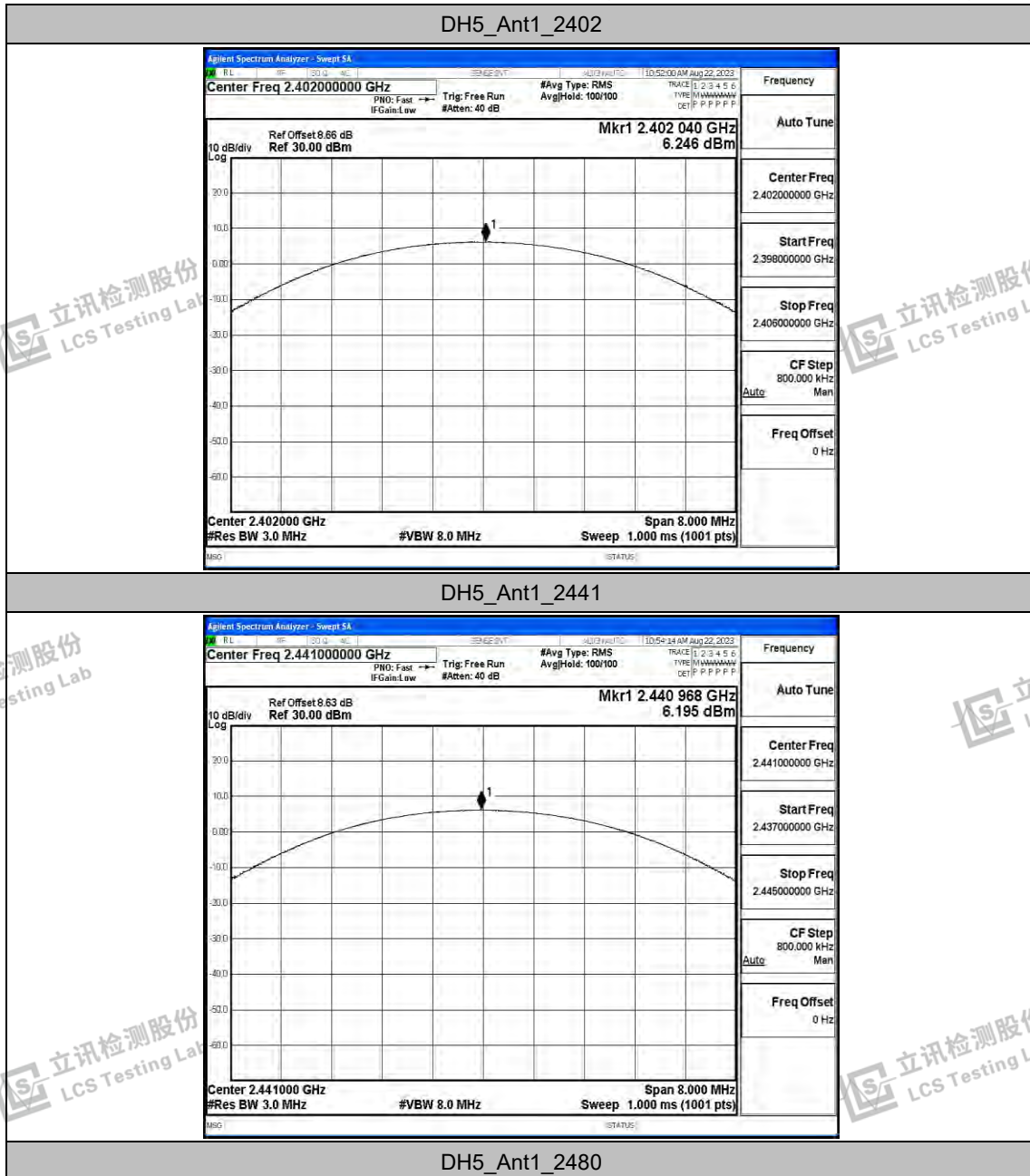
Test Result

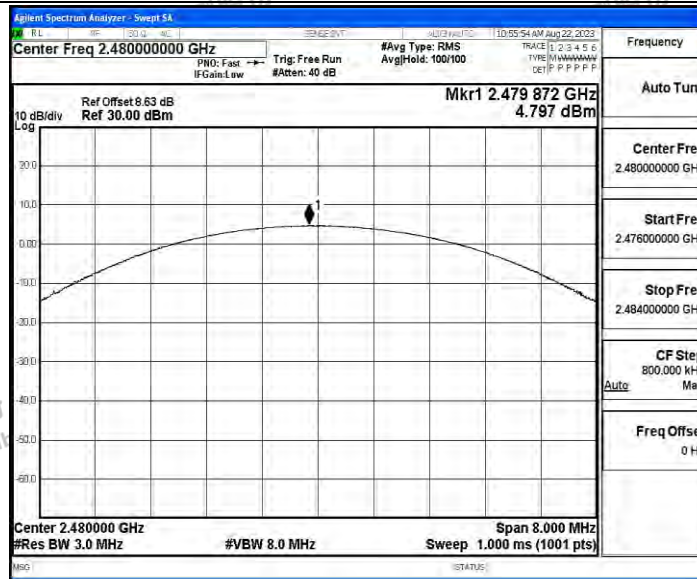
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	6.25	≤21	PASS
		2441	6.2	≤21	PASS
		2480	4.8	≤21	PASS
2DH5	Ant1	2402	5.67	≤21	PASS
		2441	6.27	≤21	PASS
		2480	4.23	≤21	PASS
3DH5	Ant1	2402	5.78	≤21	PASS
		2441	6.14	≤21	PASS
		2480	4.31	≤21	PASS



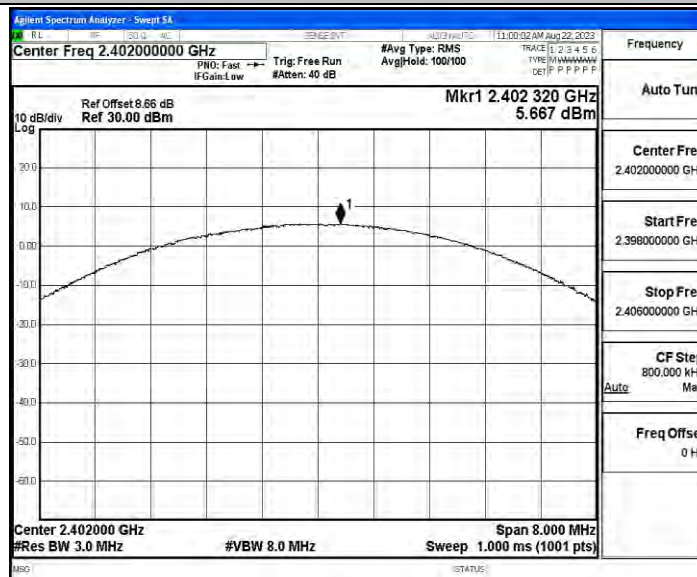


Test Graphs



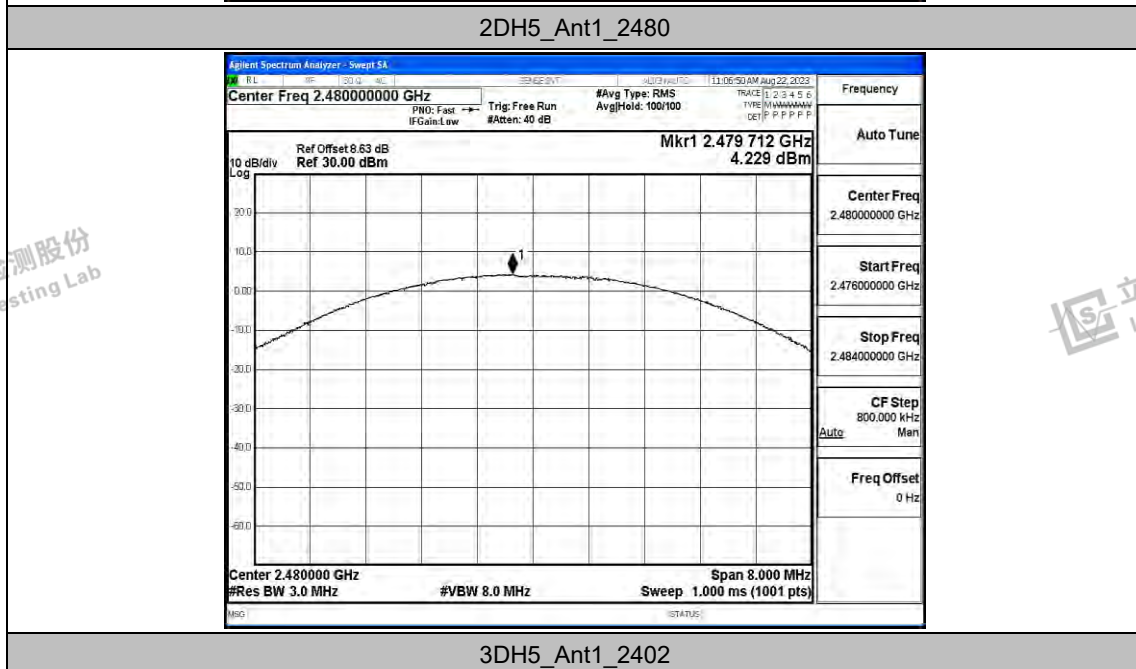
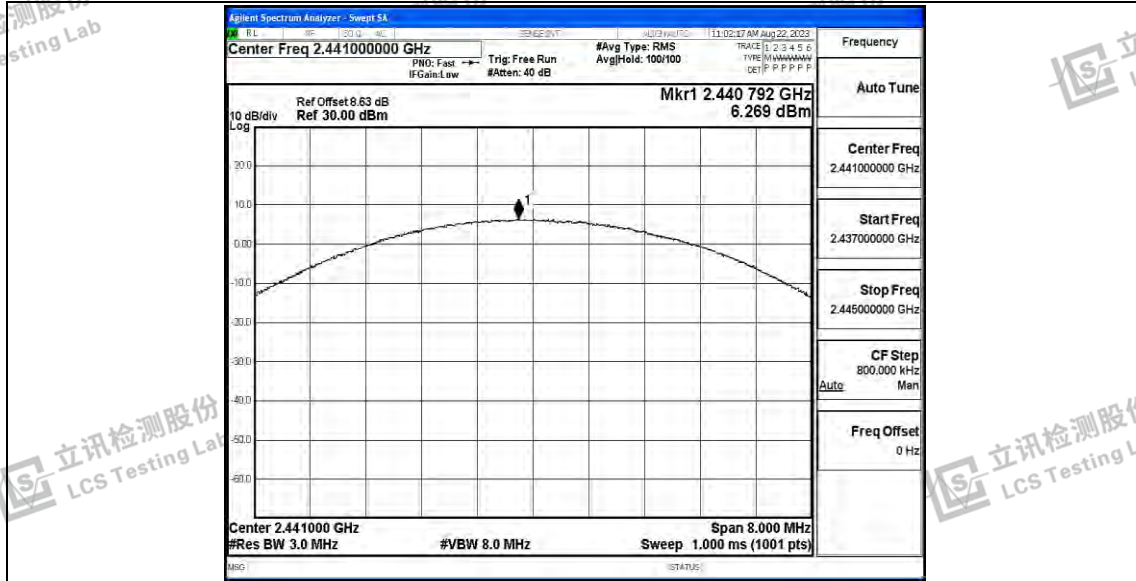


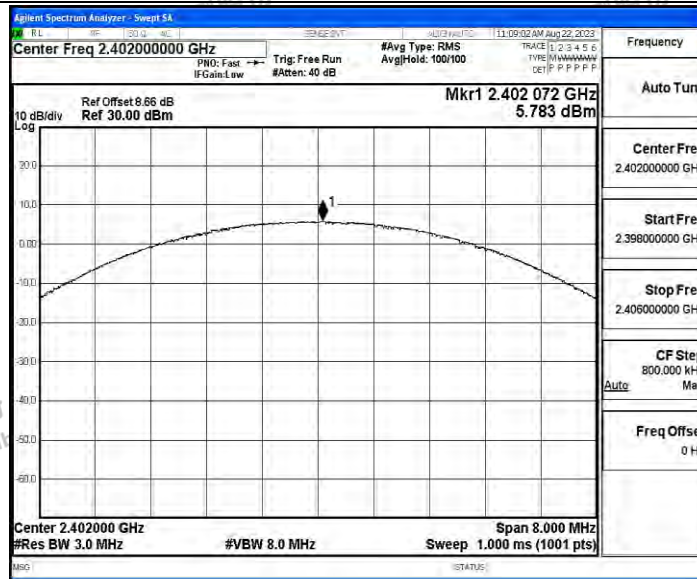
2DH5_Ant1_2402



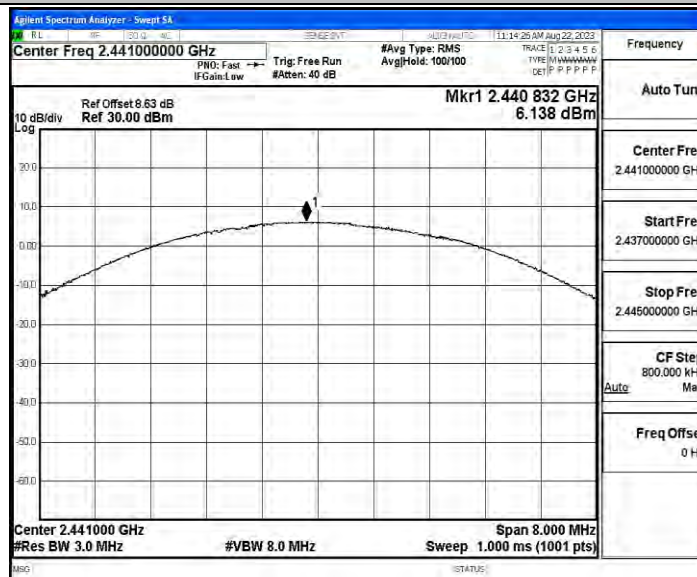
2DH5_Ant1_2441







3DH5_Ant1_2441



3DH5_Ant1_2480

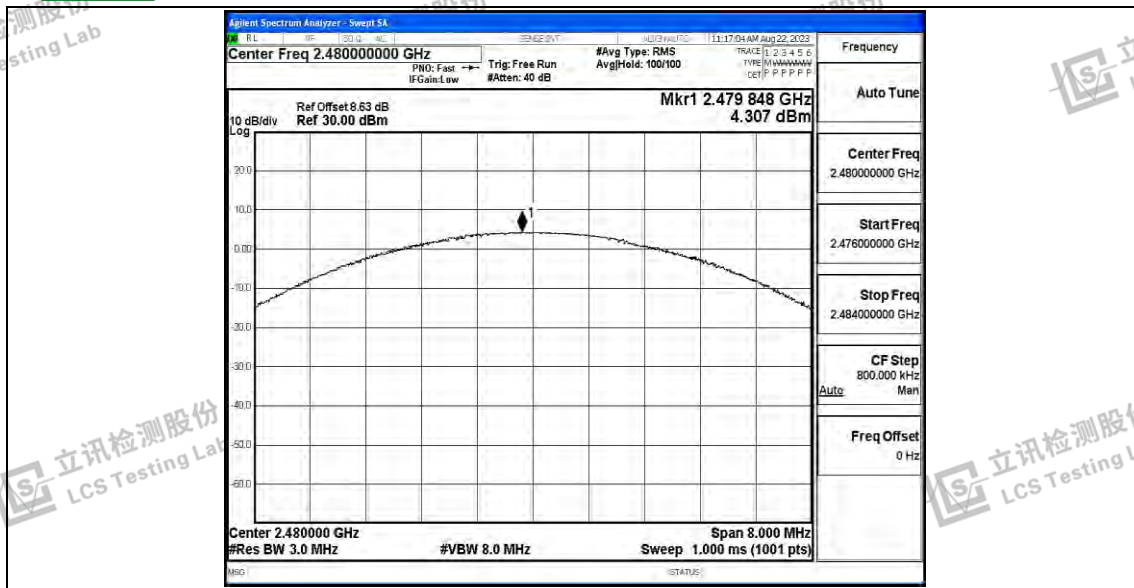


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A.3 Carrier frequency separation

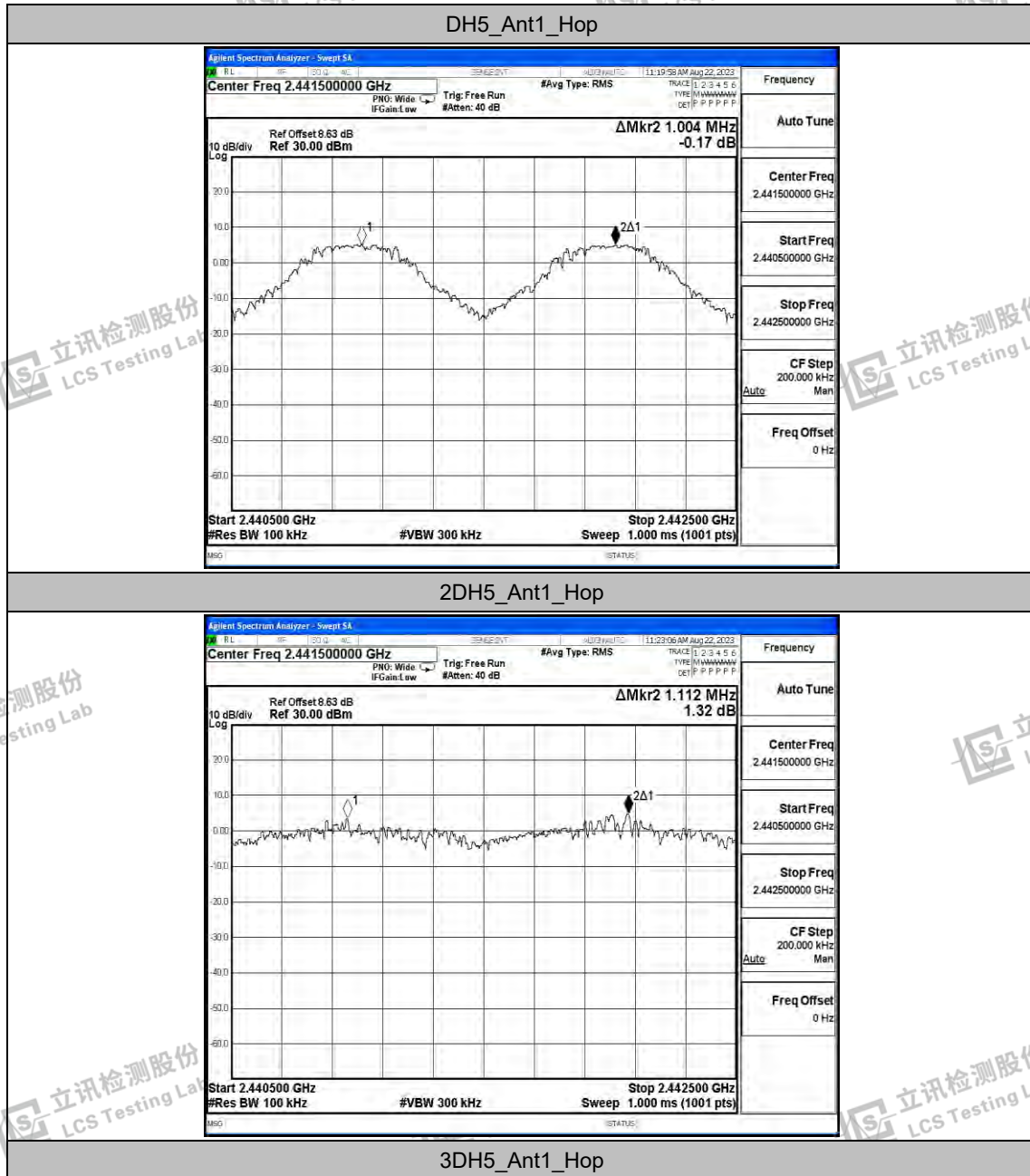
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.624	PASS
2DH5	Ant1	Hop	1.112	≥ 0.882	PASS
3DH5	Ant1	Hop	0.88	≥ 0.874	PASS





Test Graphs

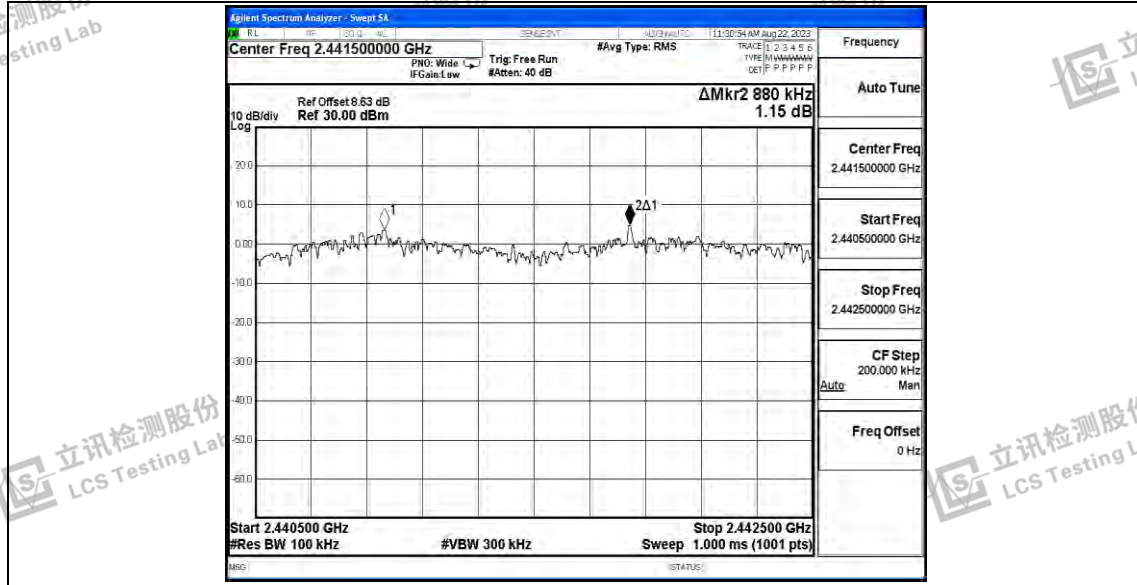


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A.4 Time of occupancy

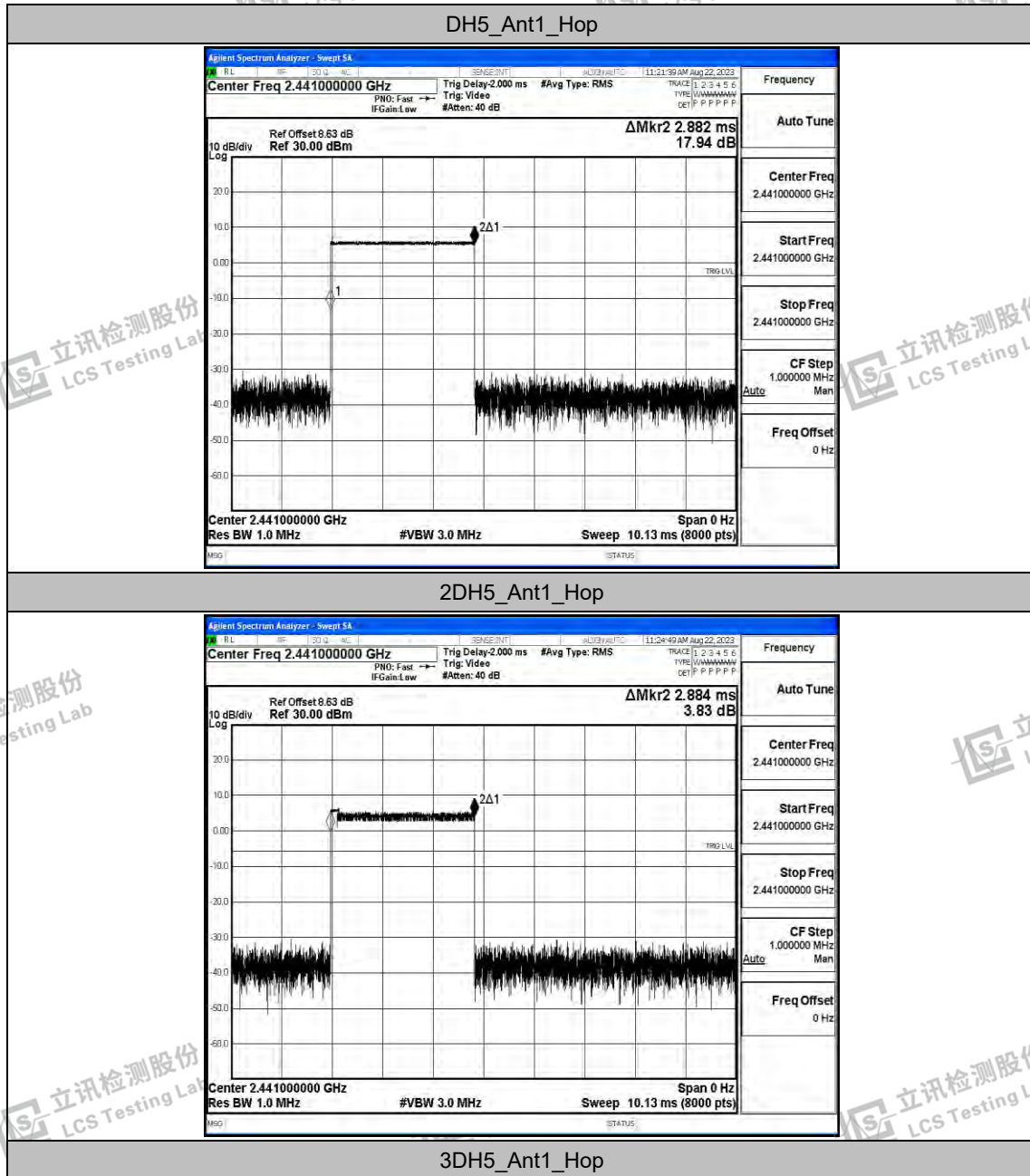
Test Result

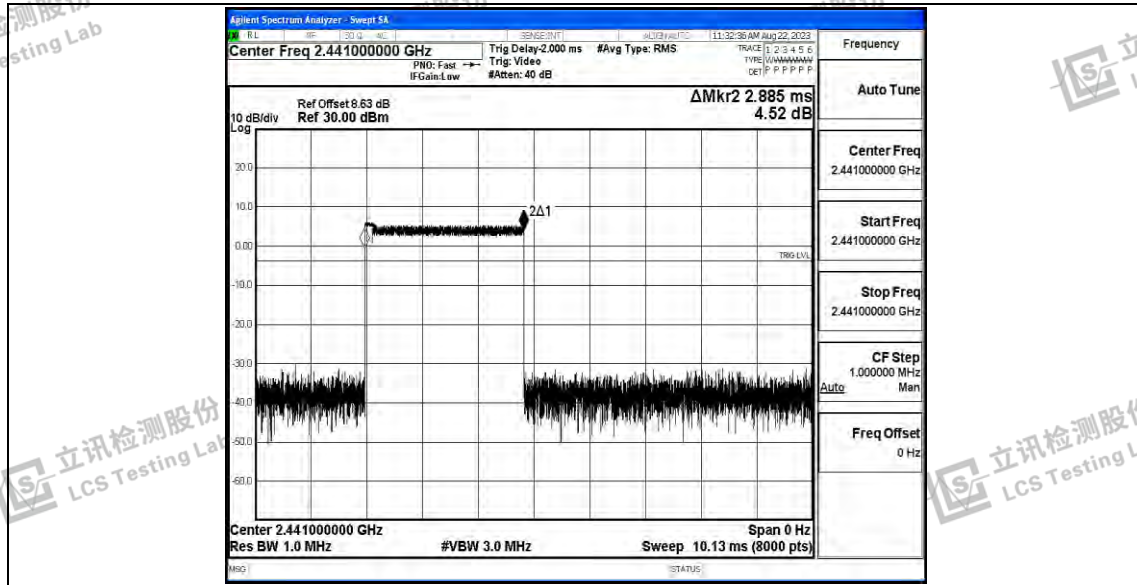
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.882	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.884	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS





Test Graphs







A.5 Number of hopping channels

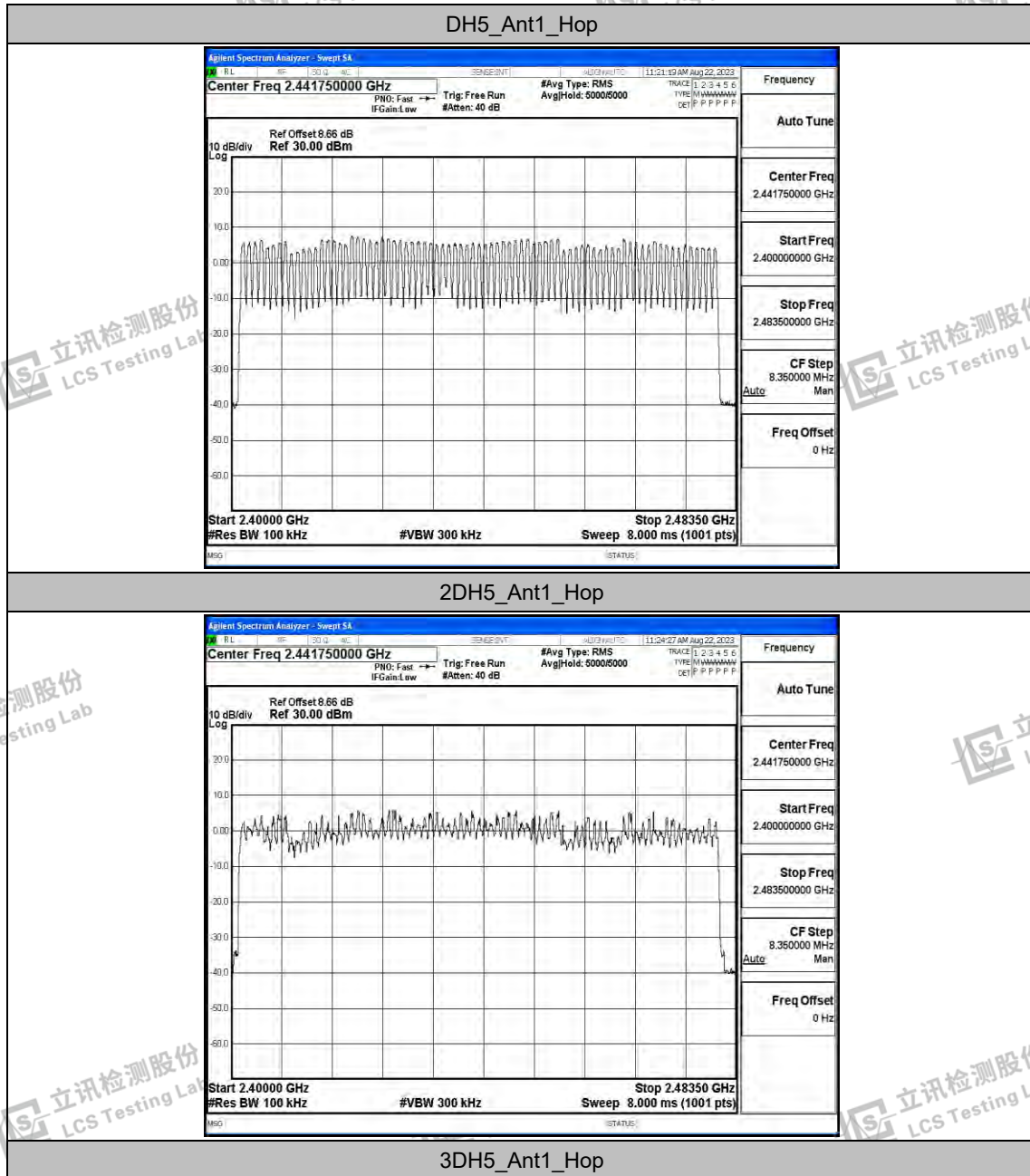
Test Result

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

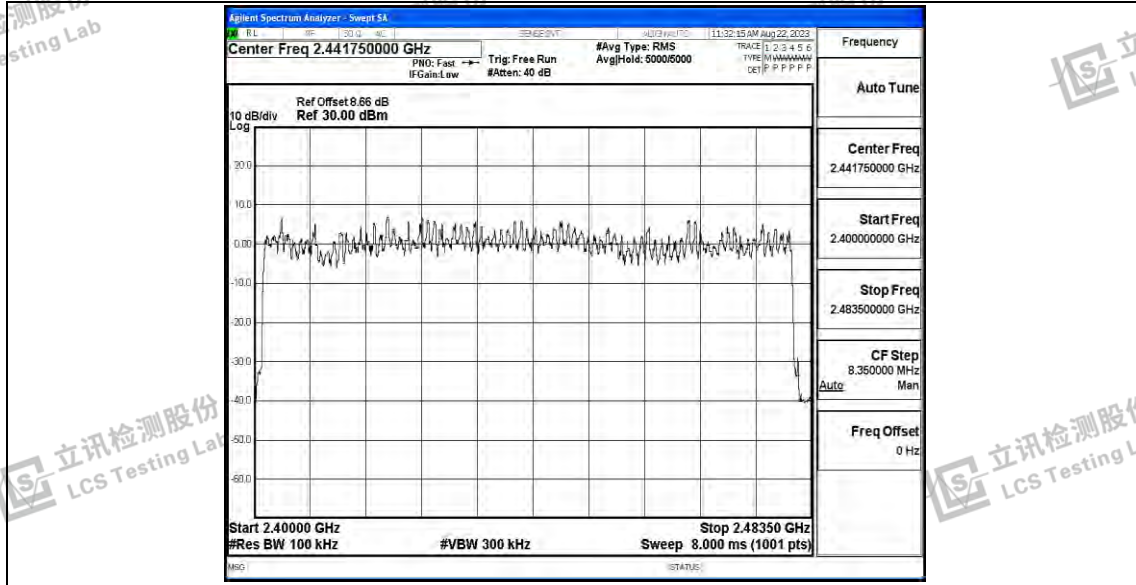


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A.6 Band edge measurements

Test Result

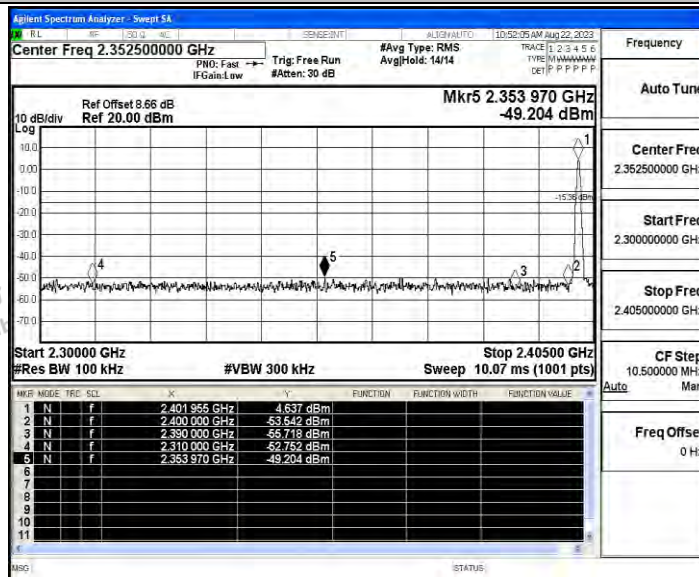
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.64	-49.2	≤ -15.36	PASS
		High	2480	3.73	-48.77	≤ -16.27	PASS
		Low	Hop_2402	6.01	-48.92	≤ -13.99	PASS
		High	Hop_2480	5.97	-47.68	≤ -14.03	PASS
2DH5	Ant1	Low	2402	0.51	-50.19	≤ -19.49	PASS
		High	2480	1.70	-49.24	≤ -18.3	PASS
		Low	Hop_2402	4.33	-49.04	≤ -15.67	PASS
		High	Hop_2480	3.77	-47.57	≤ -16.23	PASS
3DH5	Ant1	Low	2402	2.75	-49.26	≤ -17.25	PASS
		High	2480	0.17	-49.11	≤ -19.83	PASS
		Low	Hop_2402	0.72	-47.75	≤ -19.28	PASS
		High	Hop_2480	0.91	-48.08	≤ -19.09	PASS



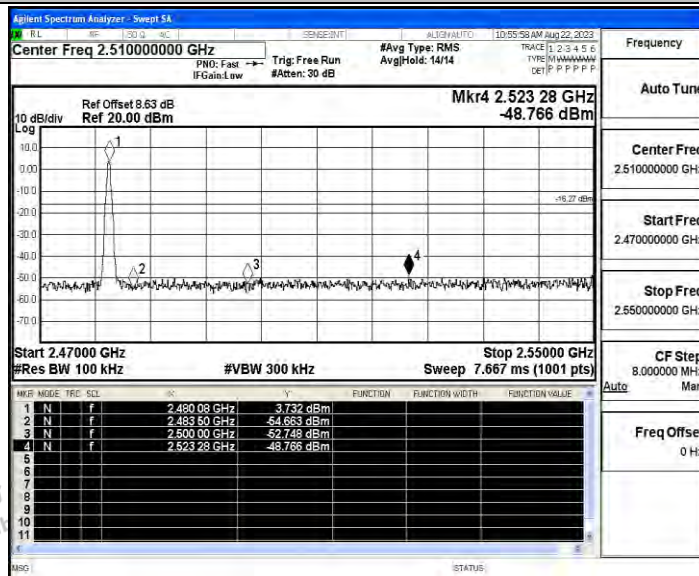


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

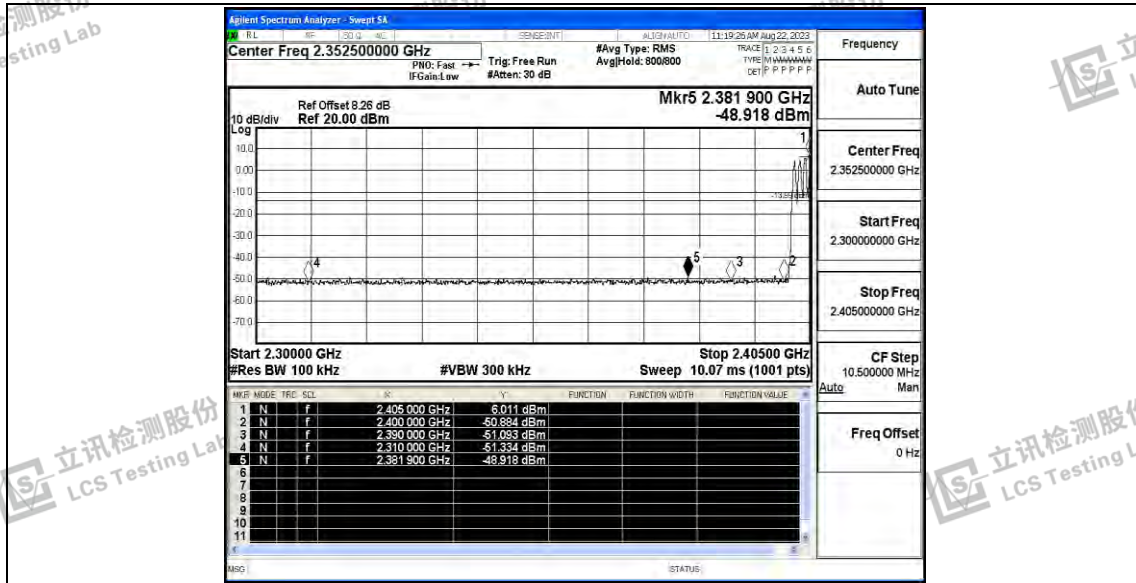


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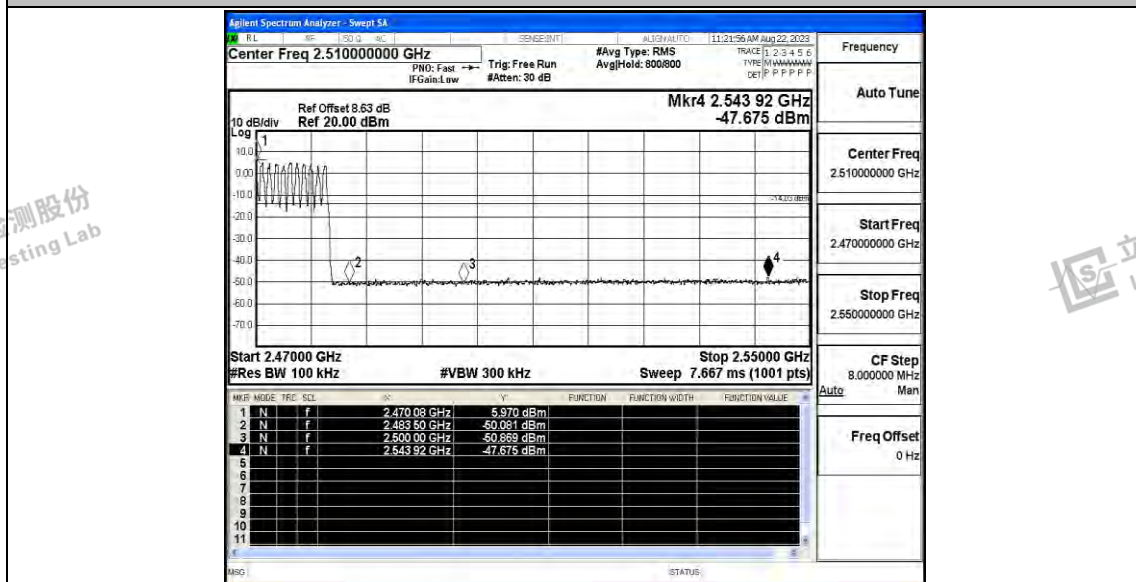
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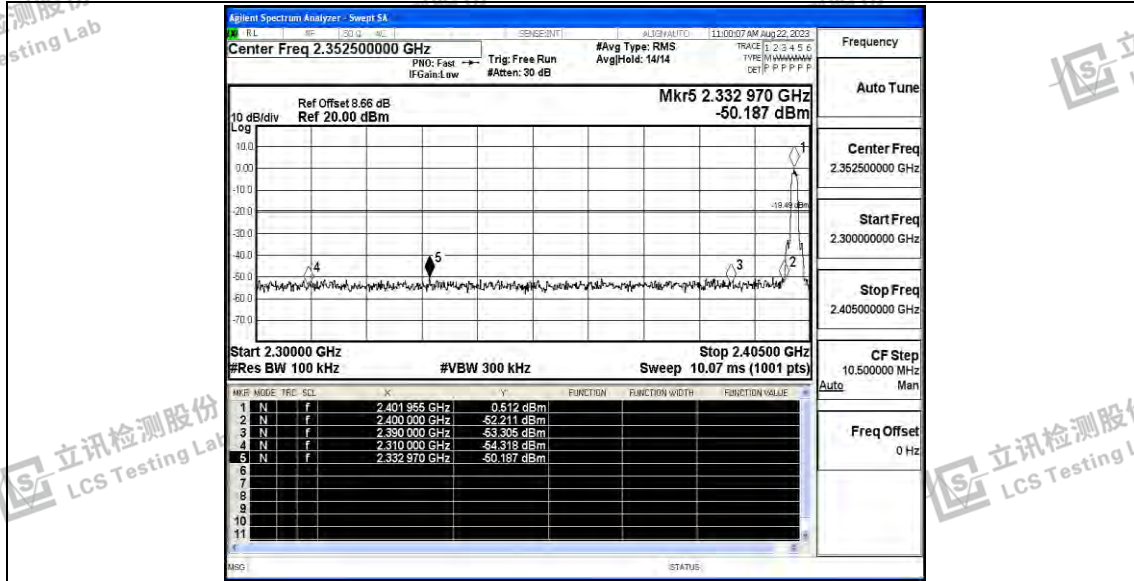


DH5_Ant1_High_Hop_2480

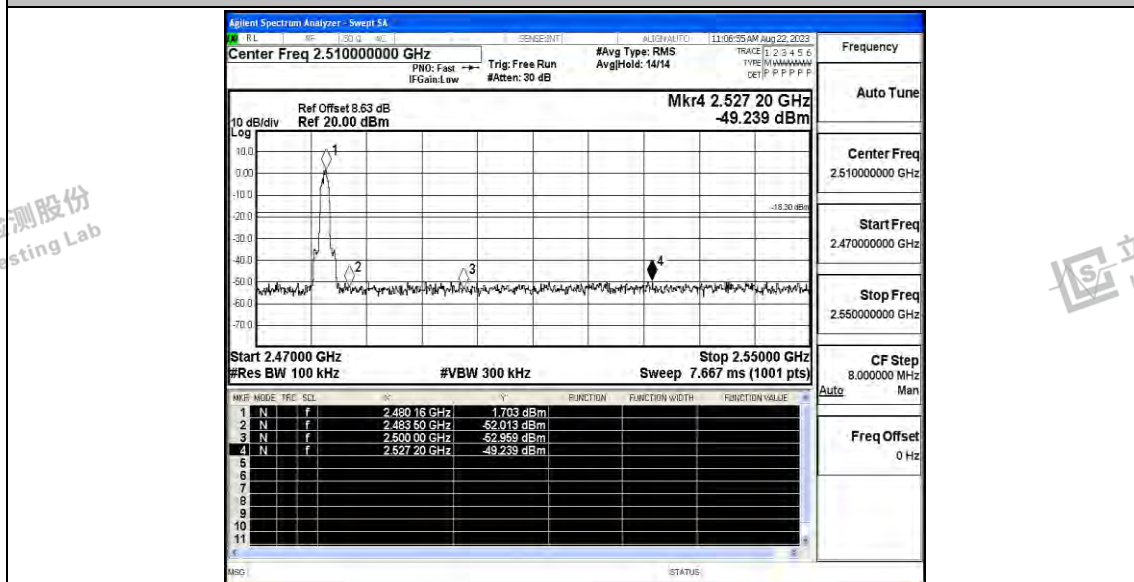


2DH5_Ant1_Low_2402





2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

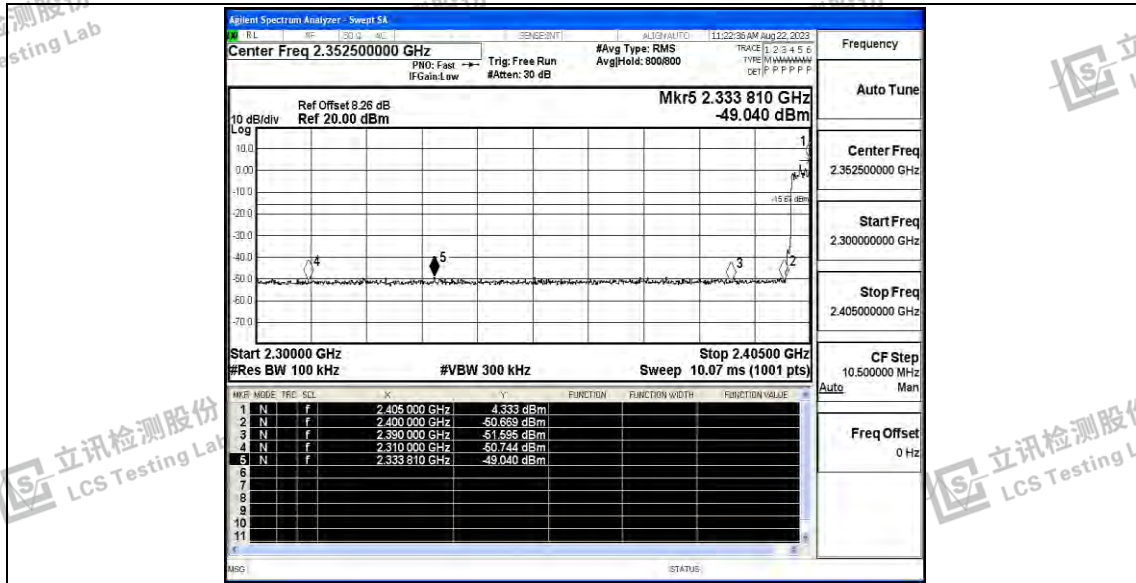


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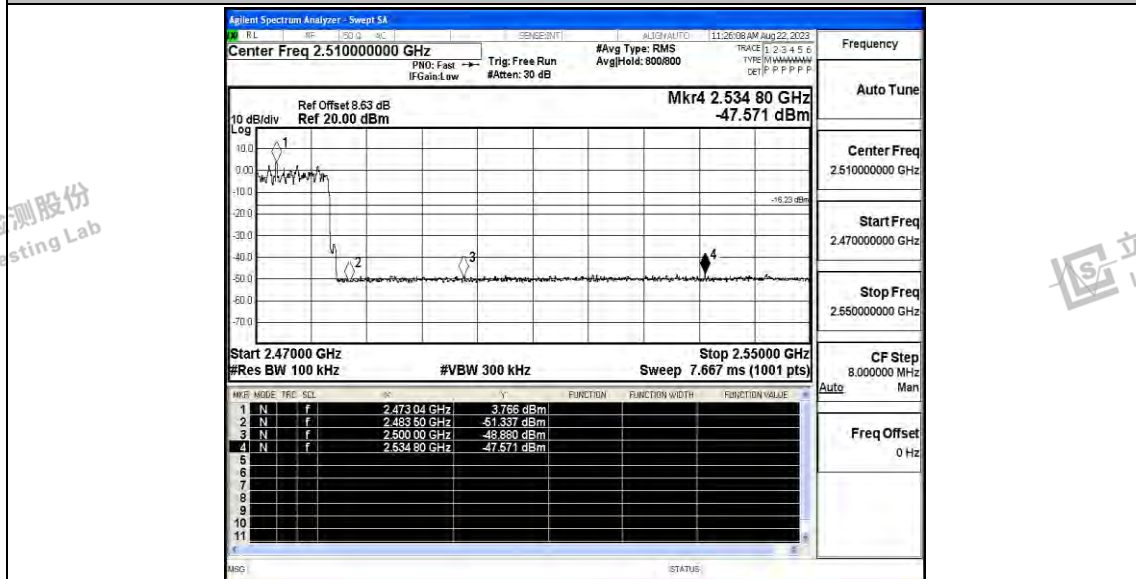
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2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

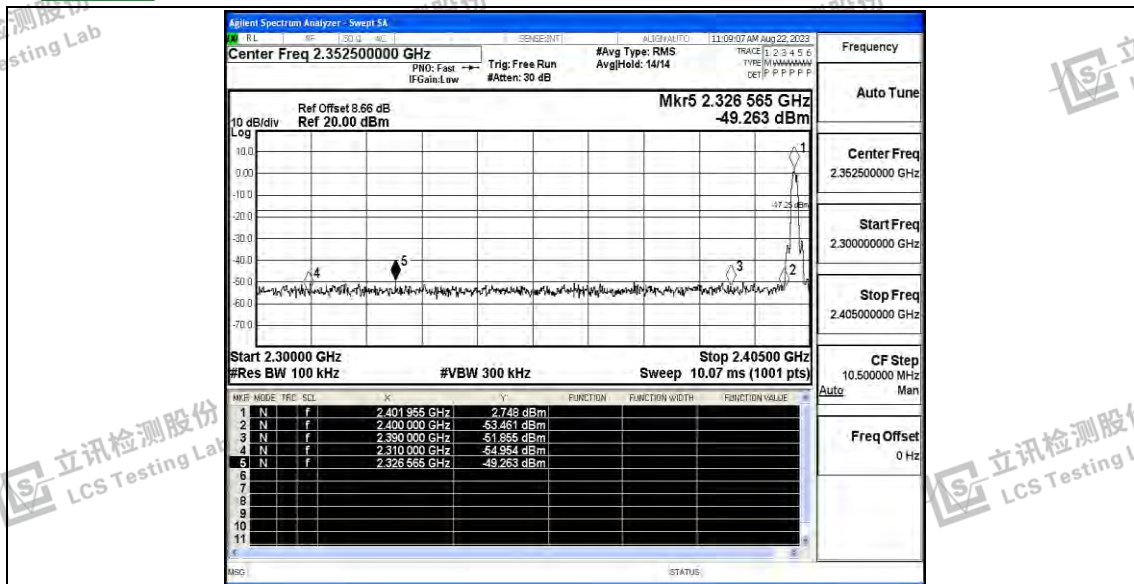


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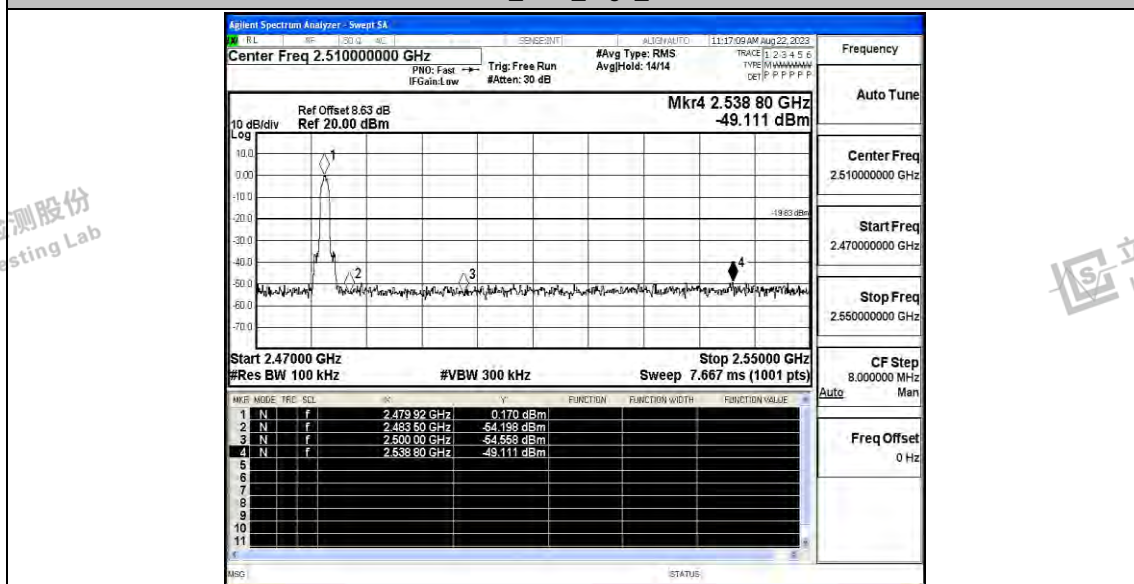
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3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402

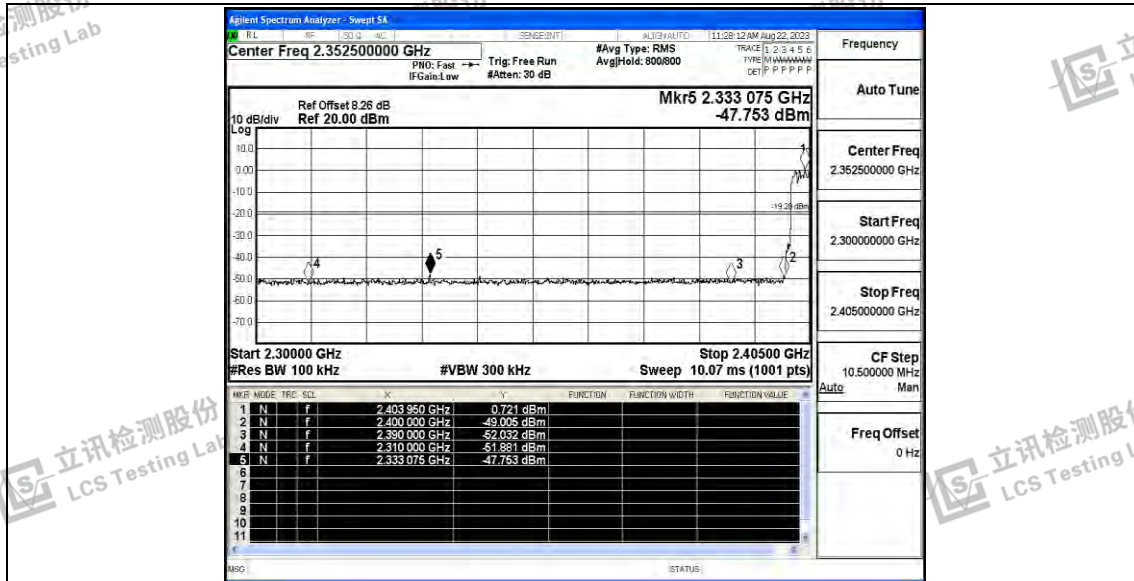


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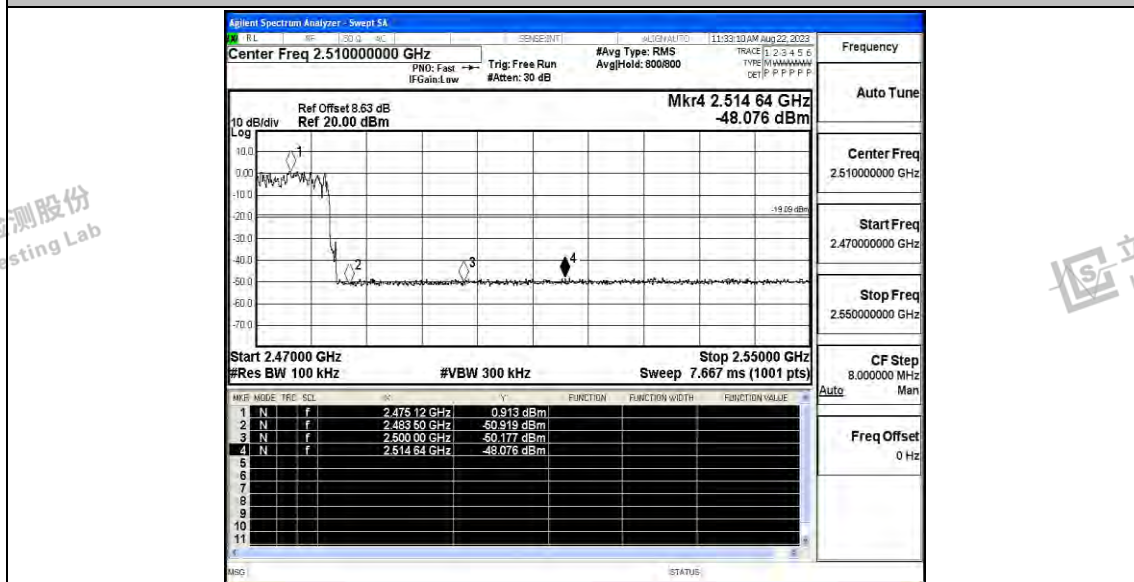
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3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

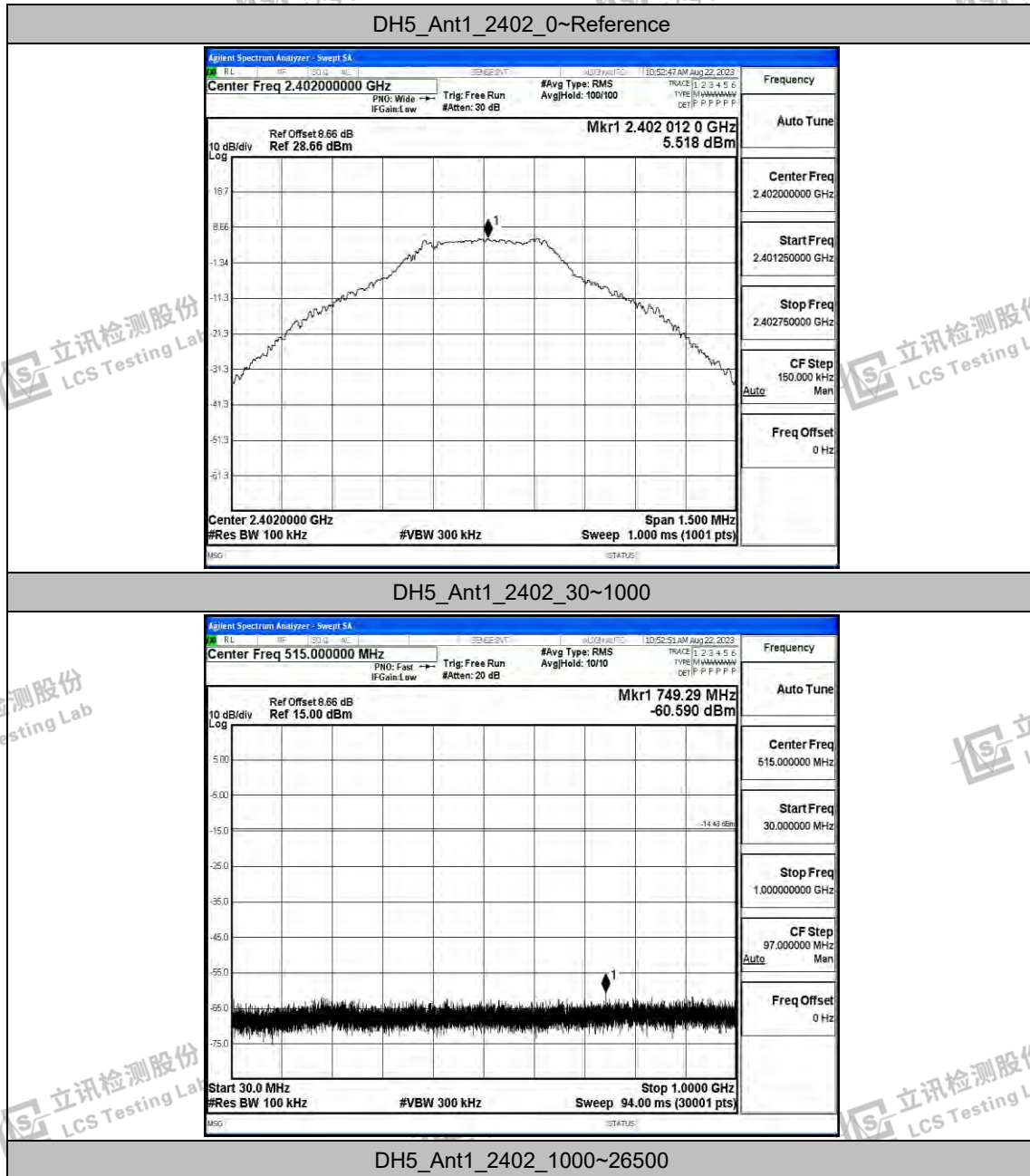
Test Result

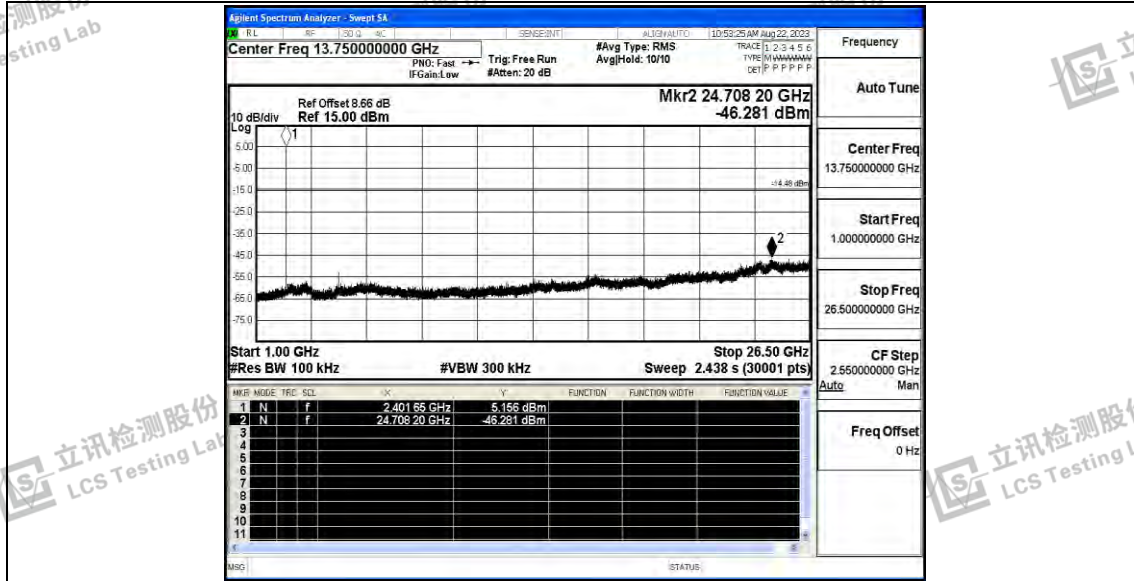
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	5.52	5.52	---	PASS
			30~1000	5.52	-60.59	≤-14.48	PASS
			1000~26500	5.52	-46.28	≤-14.48	PASS
		2441	Reference	5.52	5.52	---	PASS
			30~1000	5.52	-60.43	≤-14.48	PASS
			1000~26500	5.52	-46.39	≤-14.48	PASS
		2480	Reference	4.03	4.03	---	PASS
			30~1000	4.03	-61	≤-15.97	PASS
			1000~26500	4.03	-46.46	≤-15.97	PASS
2DH5	Ant1	2402	Reference	5.00	5.00	---	PASS
			30~1000	5.00	-60.44	≤-15	PASS
			1000~26500	5.00	-46.63	≤-15	PASS
		2441	Reference	5.42	5.42	---	PASS
			30~1000	5.42	-60.79	≤-14.58	PASS
			1000~26500	5.42	-46.82	≤-14.58	PASS
		2480	Reference	3.04	3.04	---	PASS
			30~1000	3.04	-61.1	≤-16.96	PASS
			1000~26500	3.04	-46.27	≤-16.96	PASS
3DH5	Ant1	2402	Reference	5.36	5.36	---	PASS
			30~1000	5.36	-60.77	≤-14.64	PASS
			1000~26500	5.36	-46.39	≤-14.64	PASS
		2441	Reference	5.44	5.44	---	PASS
			30~1000	5.44	-60.82	≤-14.56	PASS
			1000~26500	5.44	-46.97	≤-14.56	PASS
		2480	Reference	3.57	3.57	---	PASS
			30~1000	3.57	-61.14	≤-16.43	PASS
			1000~26500	3.57	-47.11	≤-16.43	PASS



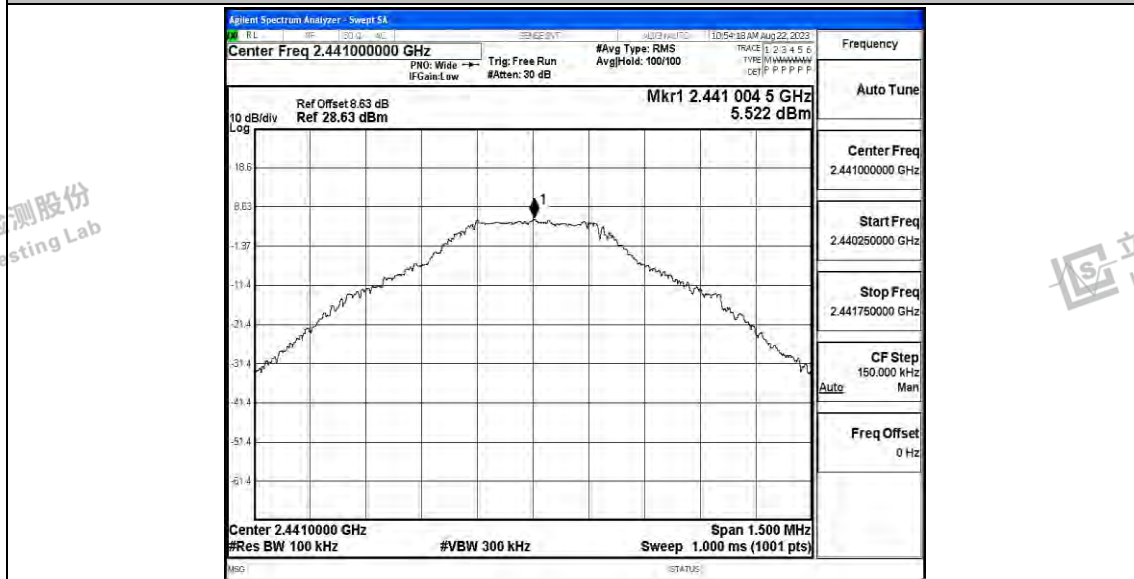


Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

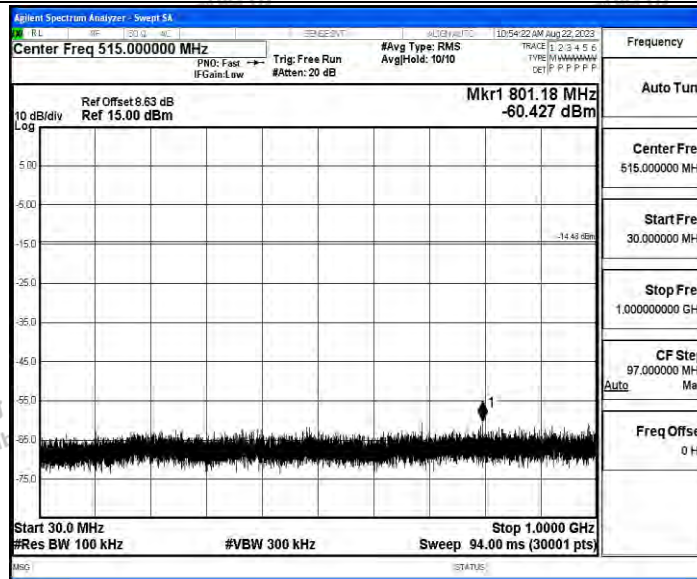


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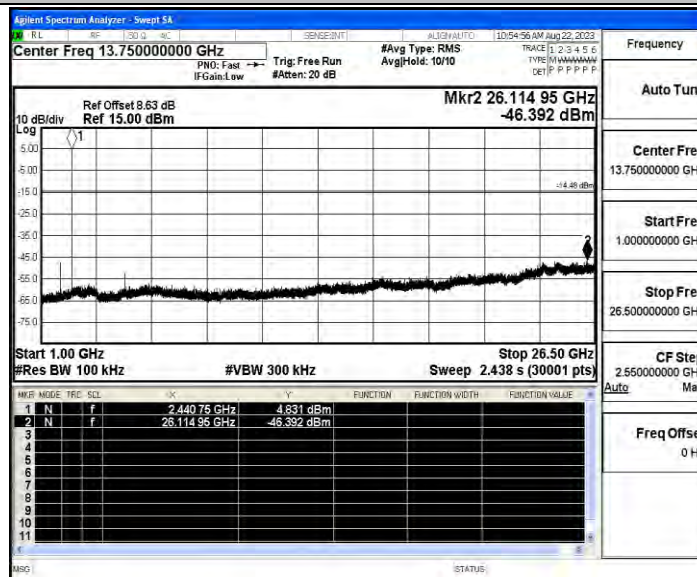
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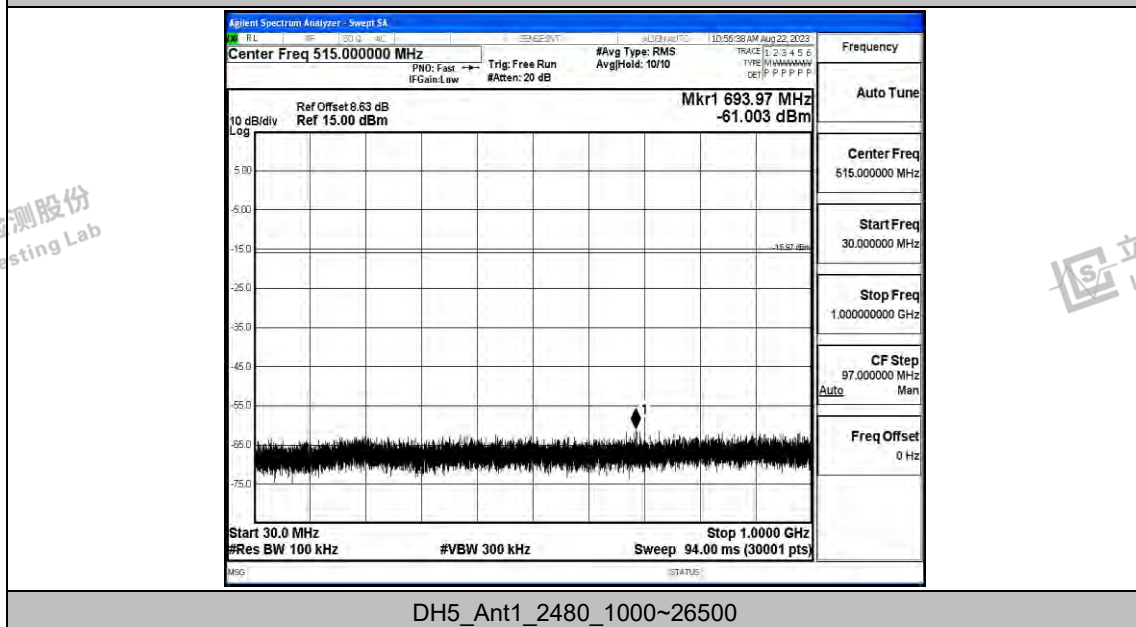
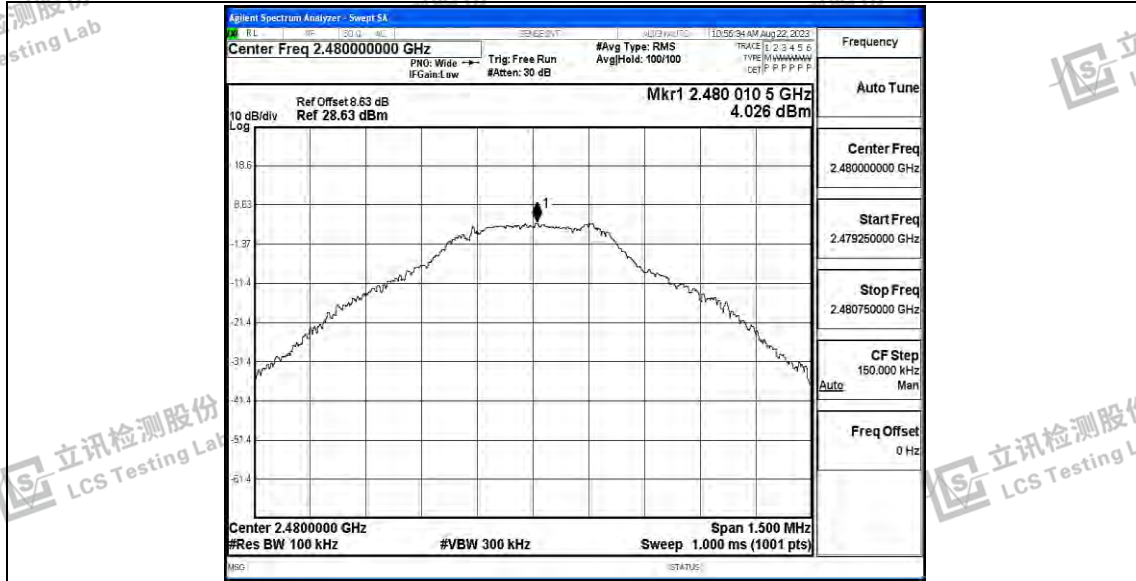


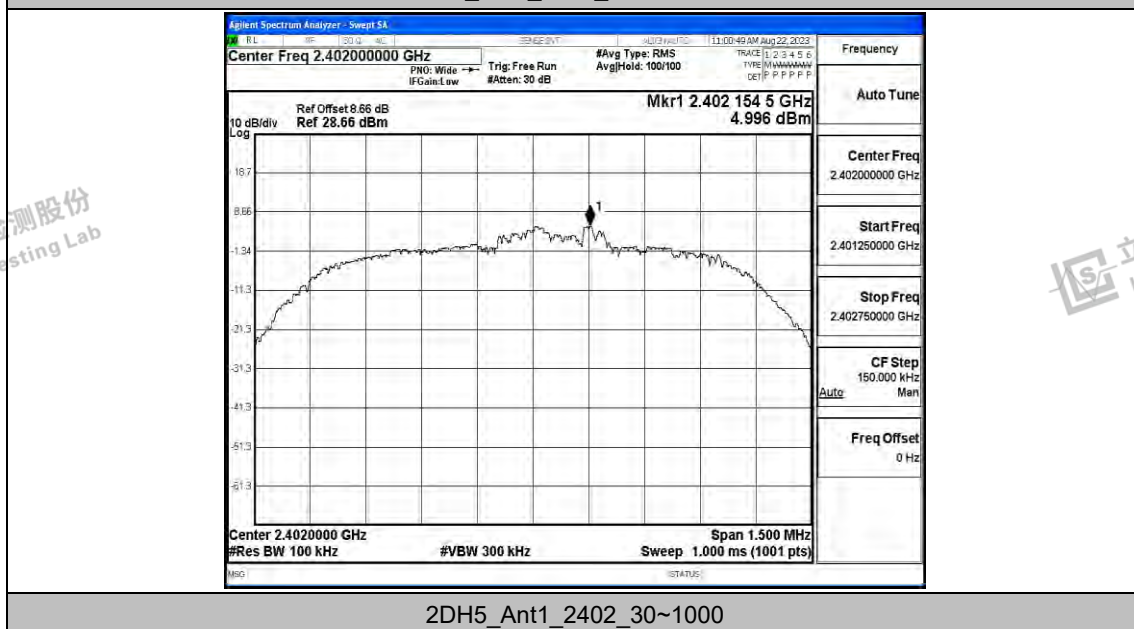
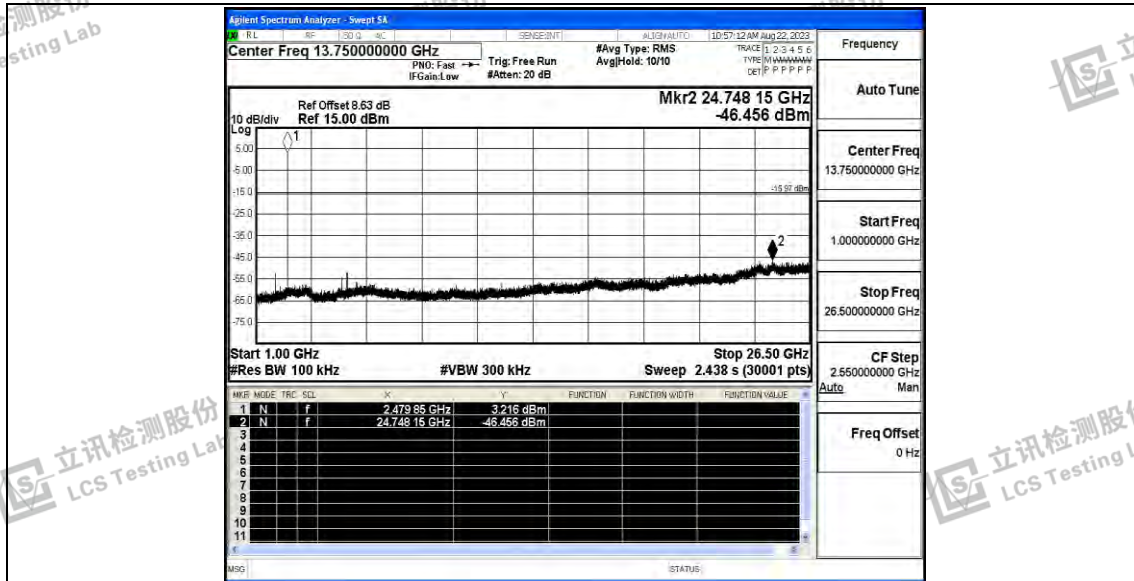
DH5_Ant1_2441_1000~26500

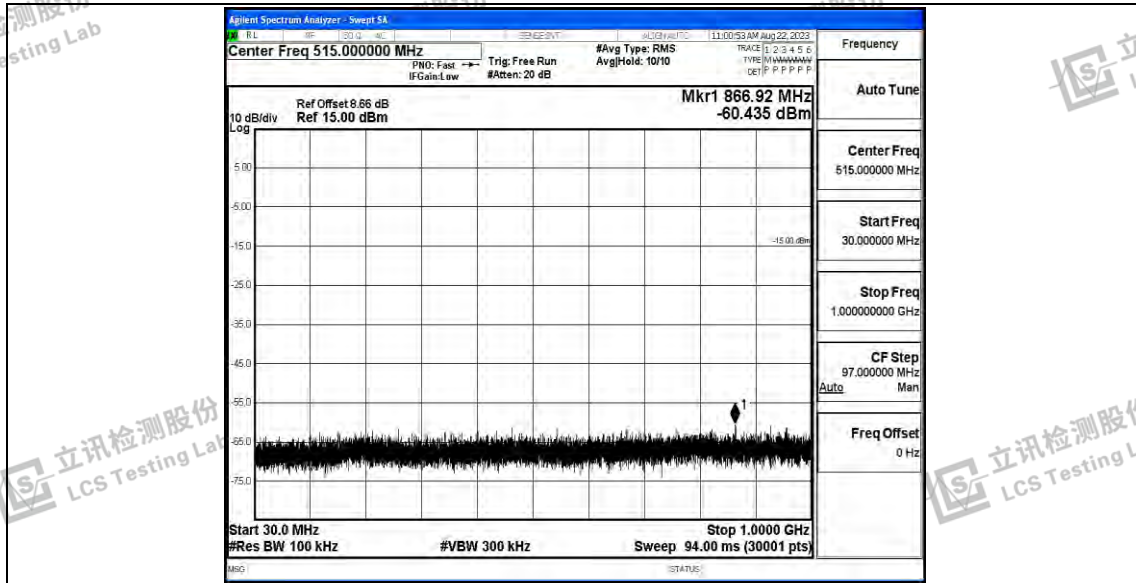


DH5_Ant1_2480_0~Reference

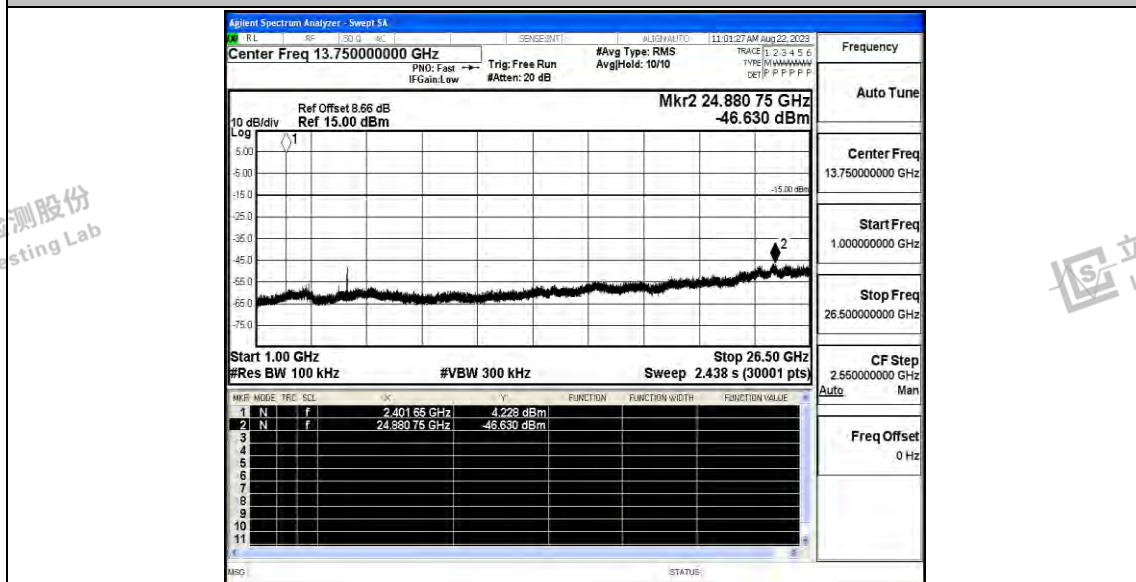






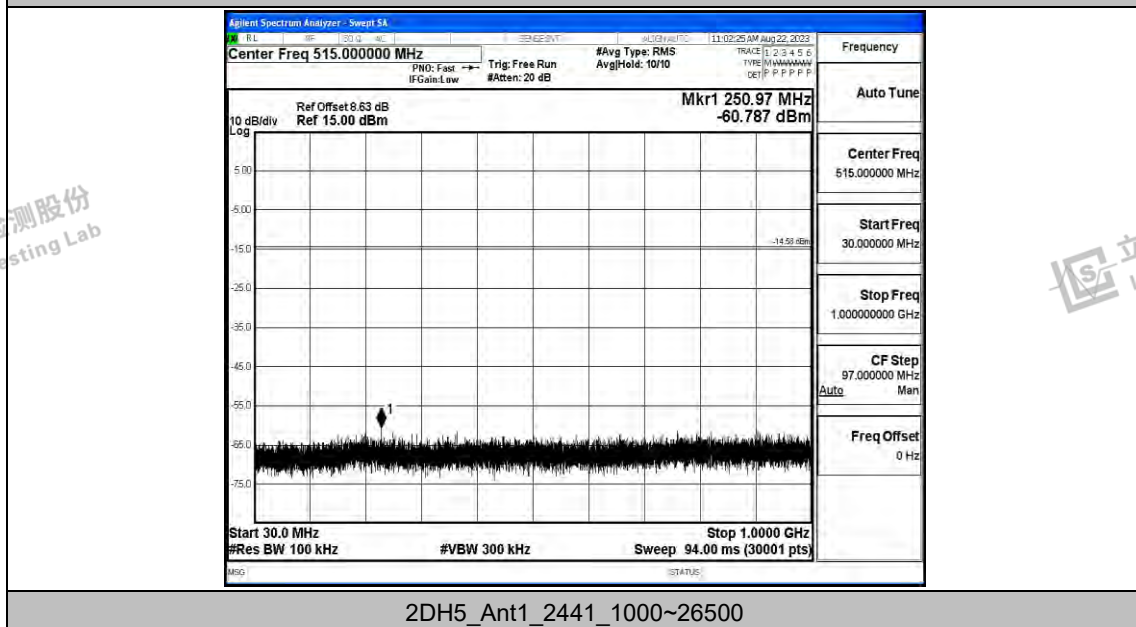
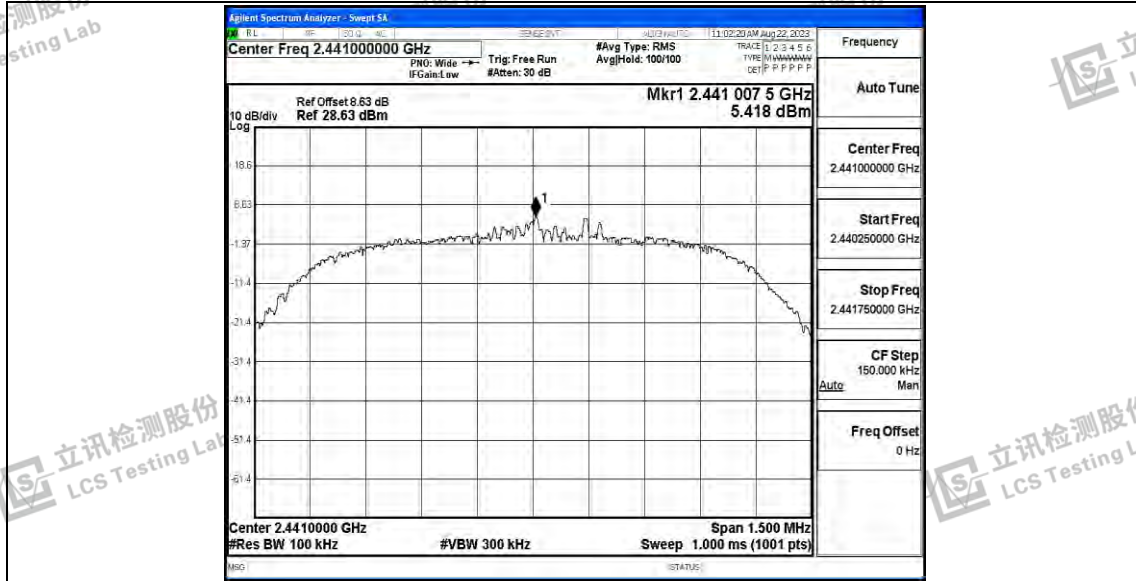


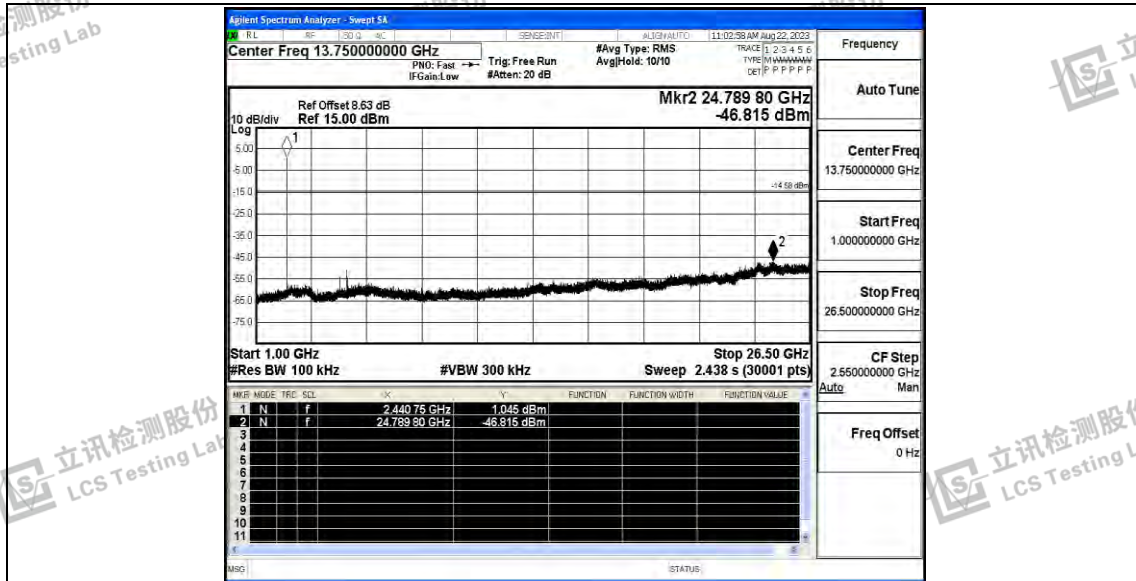
2DH5_Ant1_2402_1000~26500



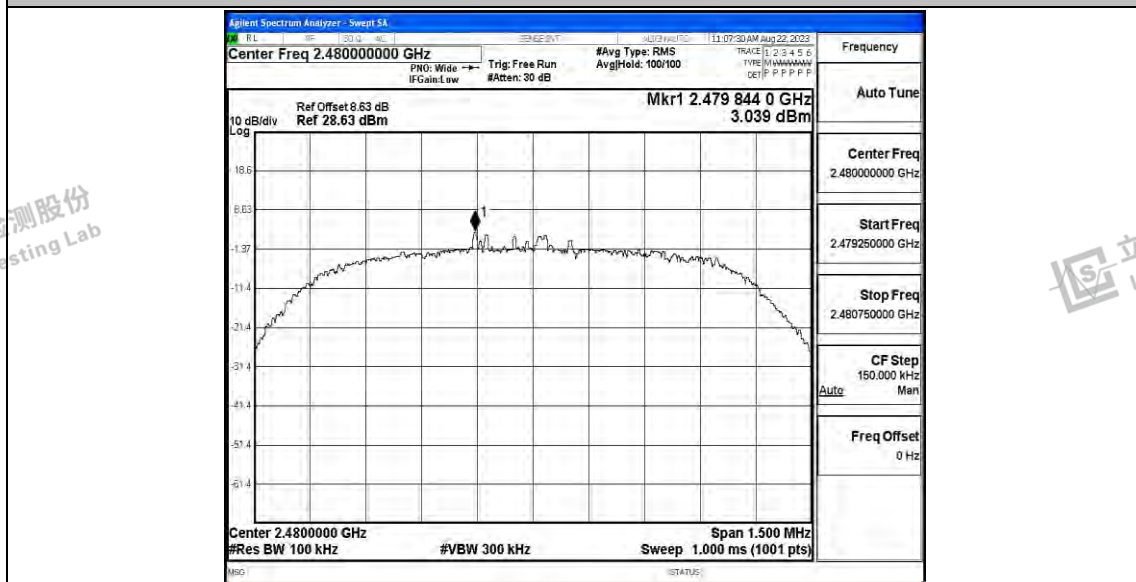
2DH5_Ant1_2441_0~Reference







2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000

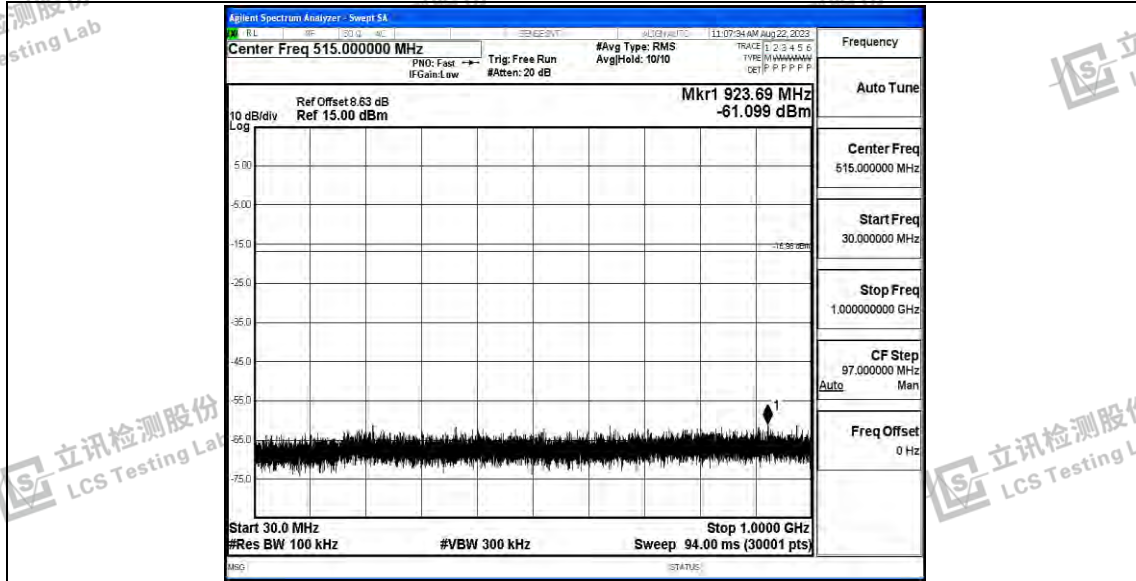


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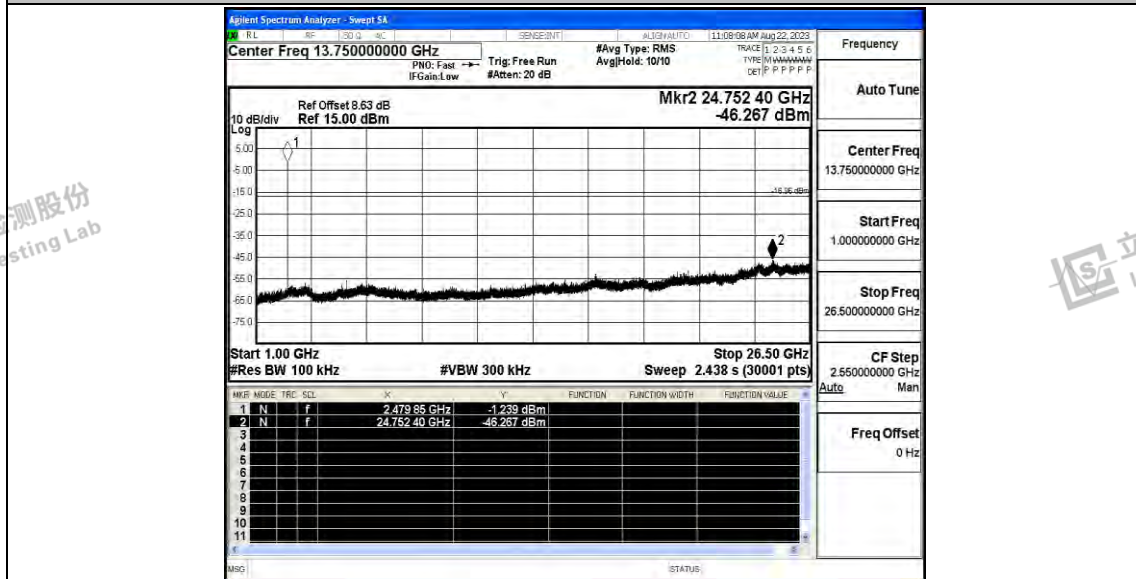
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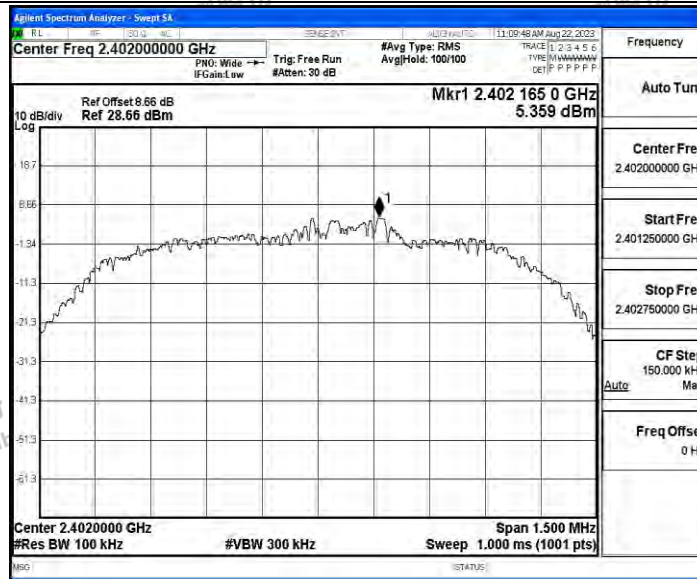


2DH5_Ant1_2480_1000~26500

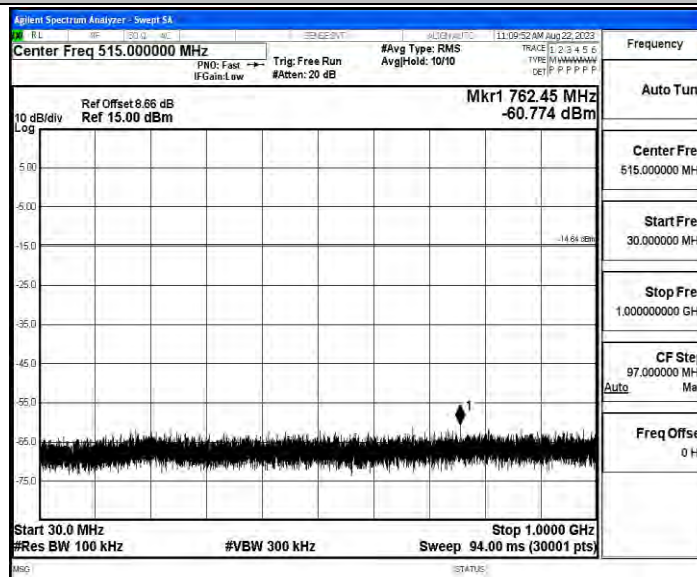


3DH5_Ant1_2402_0~Reference



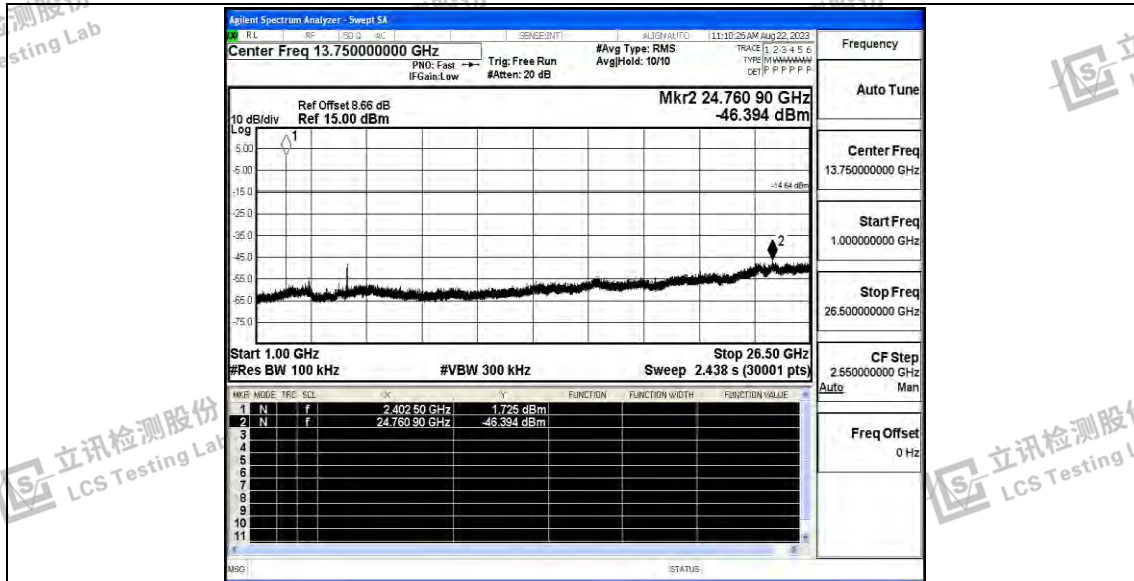


3DH5_Ant1_2402_30~1000

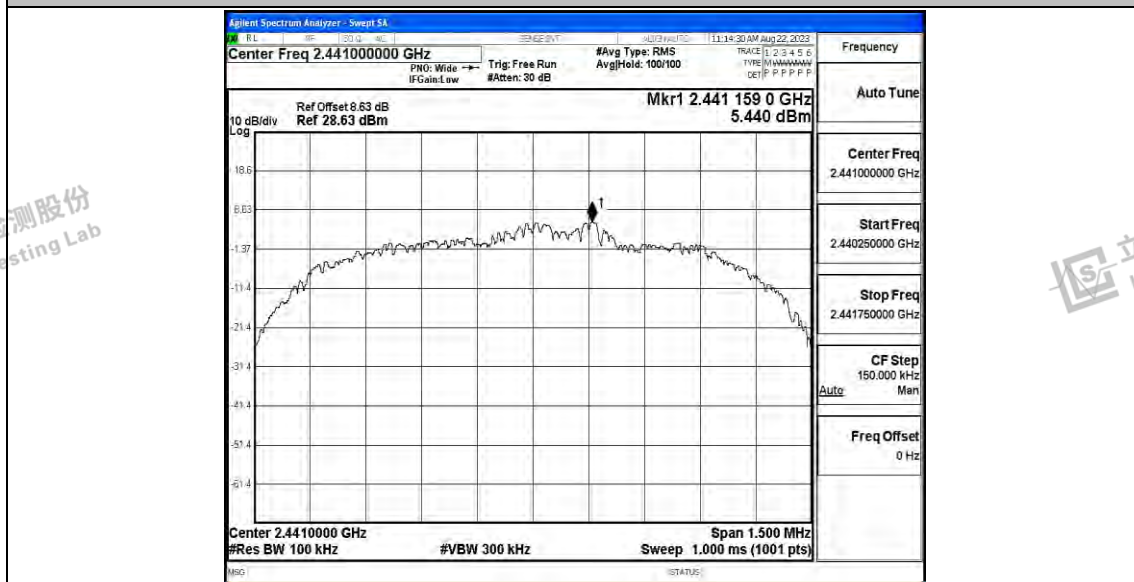


3DH5_Ant1_2402_1000~26500



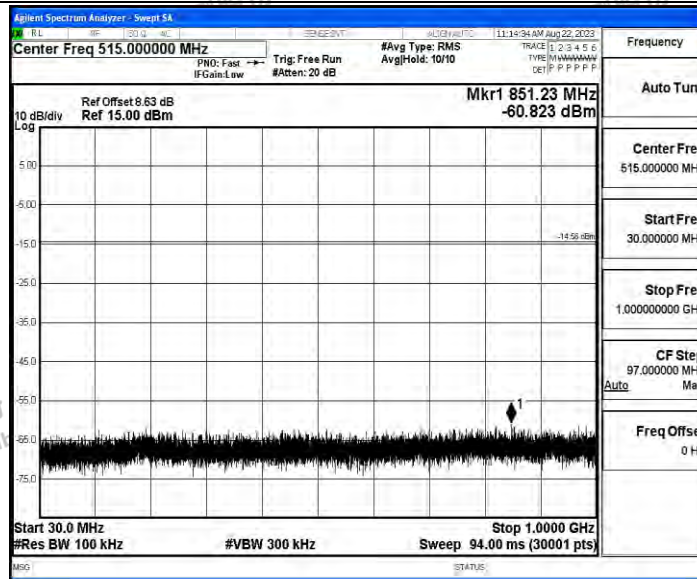


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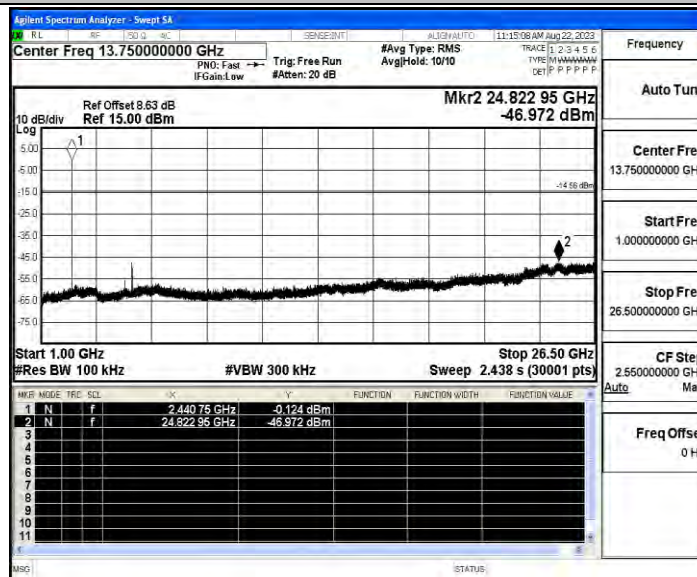


3DH5_Ant1_2441_30~1000





3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference

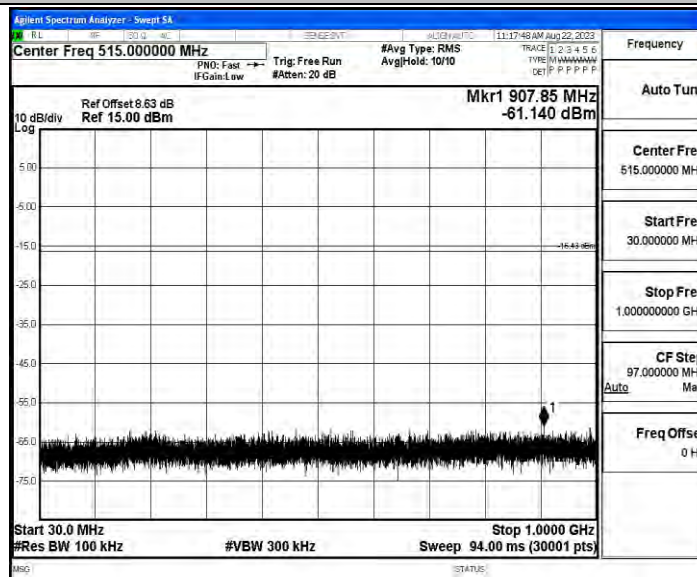
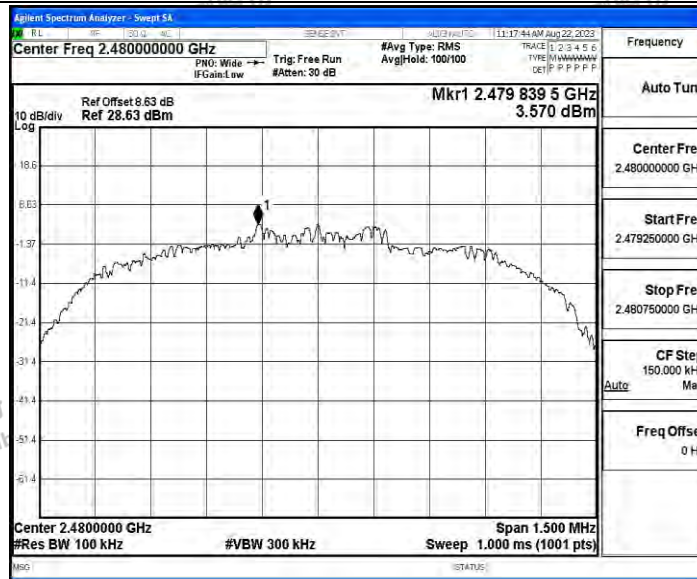


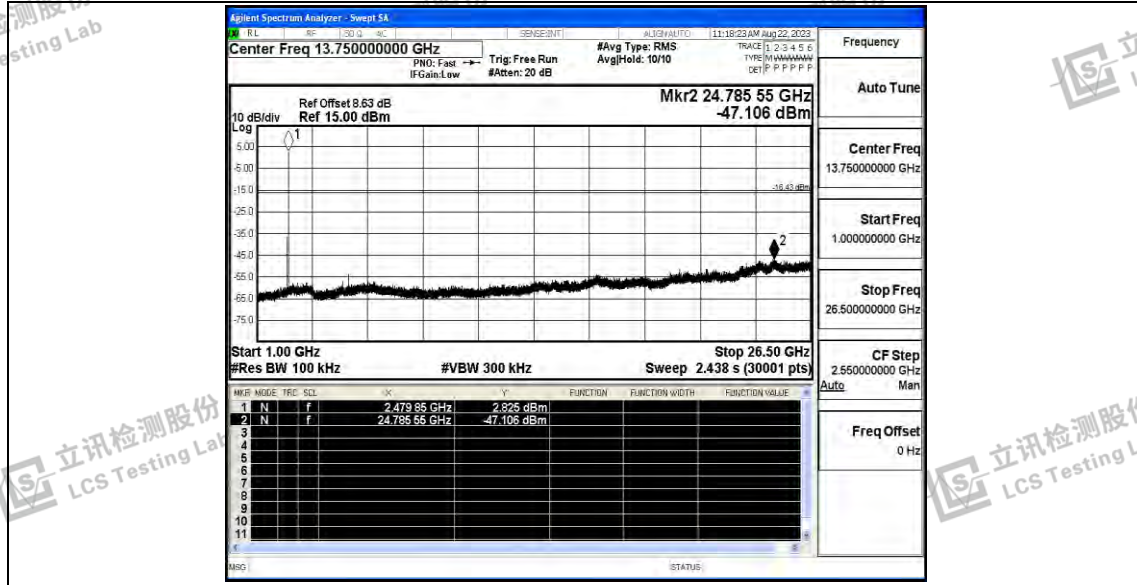
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A.8 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-48.1	≤-41.20	47.10	≤54	PASS
				AV	2389.565	-47.6	≤-41.20	47.60	≤54	PASS
				AV	2390.000	-47.61	≤-41.20	47.59	≤54	PASS
				Peak	2310.000	-45.08	≤-21.20	50.12	≤74	PASS
				Peak	2345.465	-38.21	≤-21.20	56.99	≤74	PASS
				Peak	2390.000	-42.29	≤-21.20	52.91	≤74	PASS
		High	2480	AV	2483.500	-46.82	≤-41.20	48.38	≤54	PASS
				AV	2483.520	-46.82	≤-41.20	48.38	≤54	PASS
				AV	2500.000	-47.16	≤-41.20	48.04	≤54	PASS
				Peak	2483.500	-43.05	≤-21.20	52.15	≤74	PASS
				Peak	2491.360	-37.16	≤-21.20	58.04	≤74	PASS
				Peak	2500.000	-41.08	≤-21.20	54.12	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-39.51	≤-21.20	55.69	≤74	PASS
				Peak	2373.500	-37.3	≤-21.20	57.90	≤74	PASS
				Peak	2390.000	-39.29	≤-21.20	55.91	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-38.44	≤-21.20	56.76	≤74	PASS
				Peak	2486.480	-36.87	≤-21.20	58.33	≤74	PASS
				Peak	2500.000	-39.01	≤-21.20	56.19	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.01	≤-41.20	47.19	≤54	PASS
				AV	2384.525	-47.54	≤-41.20	47.66	≤54	PASS
				AV	2390.000	-47.77	≤-41.20	47.43	≤54	PASS
				Peak	2310.000	-42.66	≤-21.20	52.54	≤74	PASS
				Peak	2332.550	-37.68	≤-21.20	57.52	≤74	PASS
				Peak	2390.000	-40.5	≤-21.20	54.70	≤74	PASS
		High	2480	AV	2483.500	-46.76	≤-41.20	48.44	≤54	PASS
				AV	2483.520	-46.76	≤-41.20	48.44	≤54	PASS
				AV	2500.000	-47.15	≤-41.20	48.05	≤54	PASS
				Peak	2483.500	-40.3	≤-21.20	54.90	≤74	PASS
				Peak	2493.920	-38.02	≤-21.20	57.18	≤74	PASS
				Peak	2500.000	-42.76	≤-21.20	52.44	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-39.71	≤-21.20	55.49	≤74	PASS
				Peak	2316.800	-37.38	≤-21.20	57.82	≤74	PASS
				Peak	2390.000	-40.53	≤-21.20	54.67	≤74	PASS
		High	Hop_24	Peak	2483.500	-38.52	≤-21.20	56.68	≤74	PASS





3DH5	Ant1		80	Peak	2492.880	-36.93	≤-21.20	58.27	≤74	PASS
				Peak	2500.000	-37.91	≤-21.20	57.29	≤74	PASS
		Low	2402	AV	2310.000	-48.09	≤-41.20	47.11	≤54	PASS
				AV	2386.835	-47.52	≤-41.20	47.68	≤54	PASS
				AV	2390.000	-47.65	≤-41.20	47.55	≤54	PASS
				Peak	2310.000	-41.7	≤-21.20	53.50	≤74	PASS
				Peak	2311.760	-39.11	≤-21.20	56.09	≤74	PASS
				Peak	2390.000	-43.61	≤-21.20	51.59	≤74	PASS
		High	2480	AV	2483.500	-46.65	≤-41.20	48.55	≤54	PASS
				AV	2483.520	-46.65	≤-41.20	48.55	≤54	PASS
				AV	2500.000	-47.16	≤-41.20	48.04	≤54	PASS
				Peak	2483.500	-40.51	≤-21.20	54.69	≤74	PASS
				Peak	2484.160	-38.33	≤-21.20	56.87	≤74	PASS
				Peak	2500.000	-39.79	≤-21.20	55.41	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-39.53	≤-21.20	55.67	≤74	PASS
				Peak	2344.625	-37.87	≤-21.20	57.33	≤74	PASS
				Peak	2390.000	-40.09	≤-21.20	55.11	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-39.19	≤-21.20	56.01	≤74	PASS
				Peak	2499.280	-37.01	≤-21.20	58.19	≤74	PASS
				Peak	2500.000	-39.33	≤-21.20	55.87	≤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.

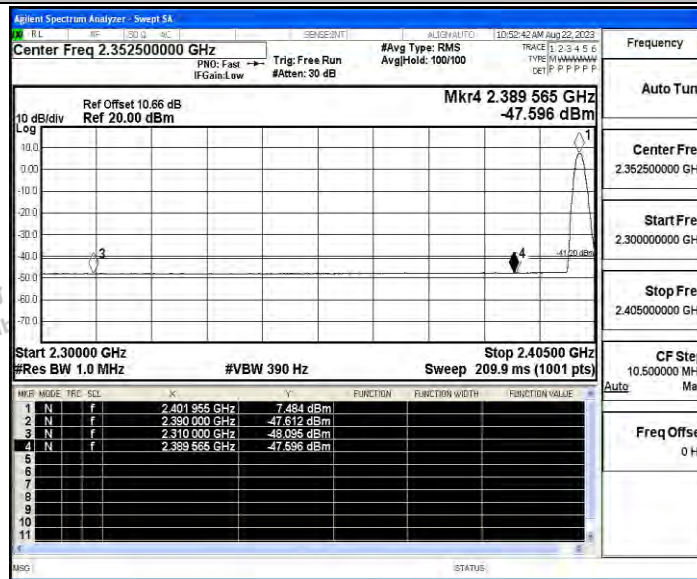


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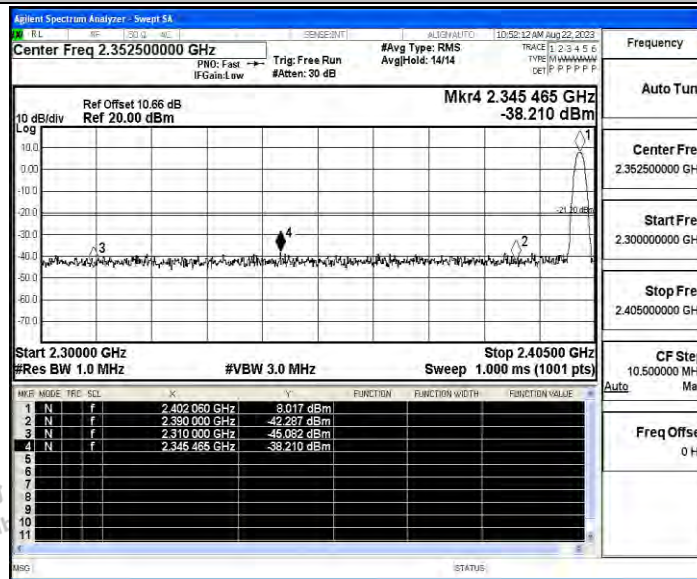


Test Graphs

DH5_Ant1_Low_2402_AV



DH5_Ant1_Low_2402_Peak



DH5_Ant1_High_2480_AV

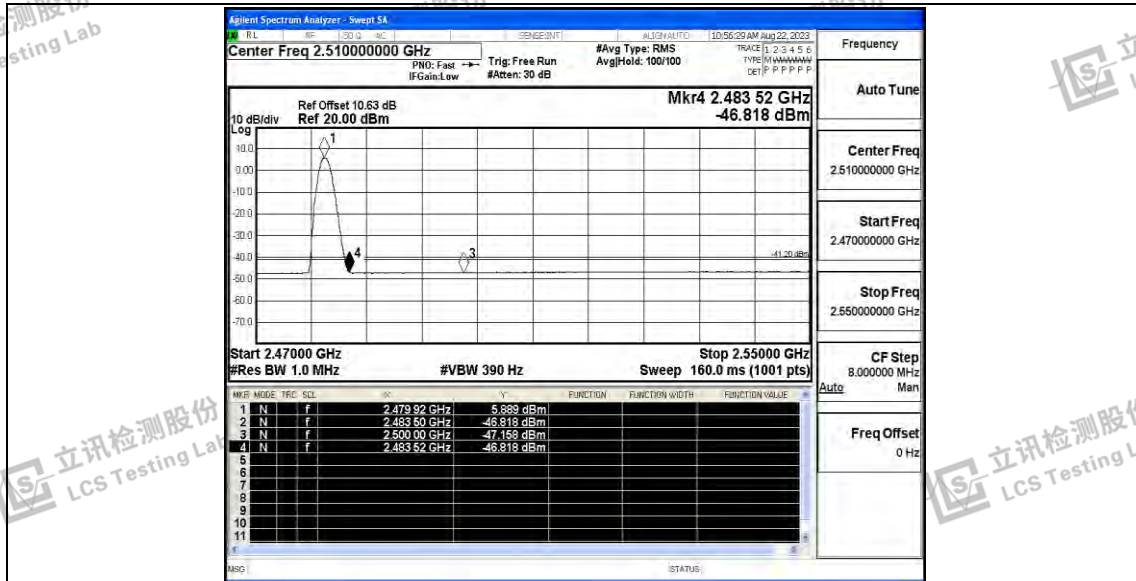


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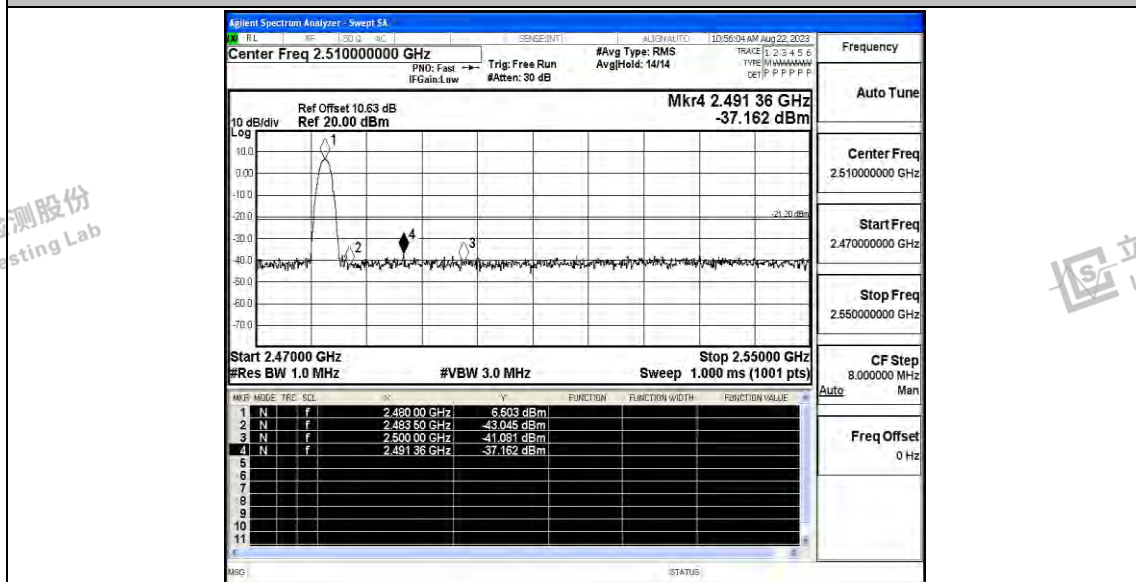
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DH5_Ant1_High_2480_Peak



DH5_Ant1_Low_Hop_2402_Peak

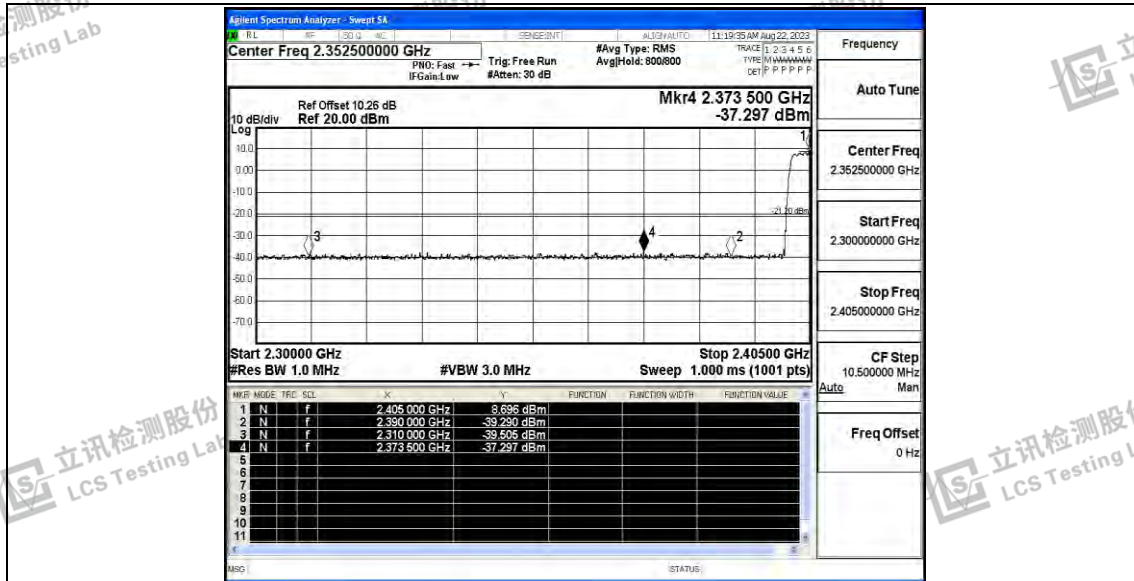


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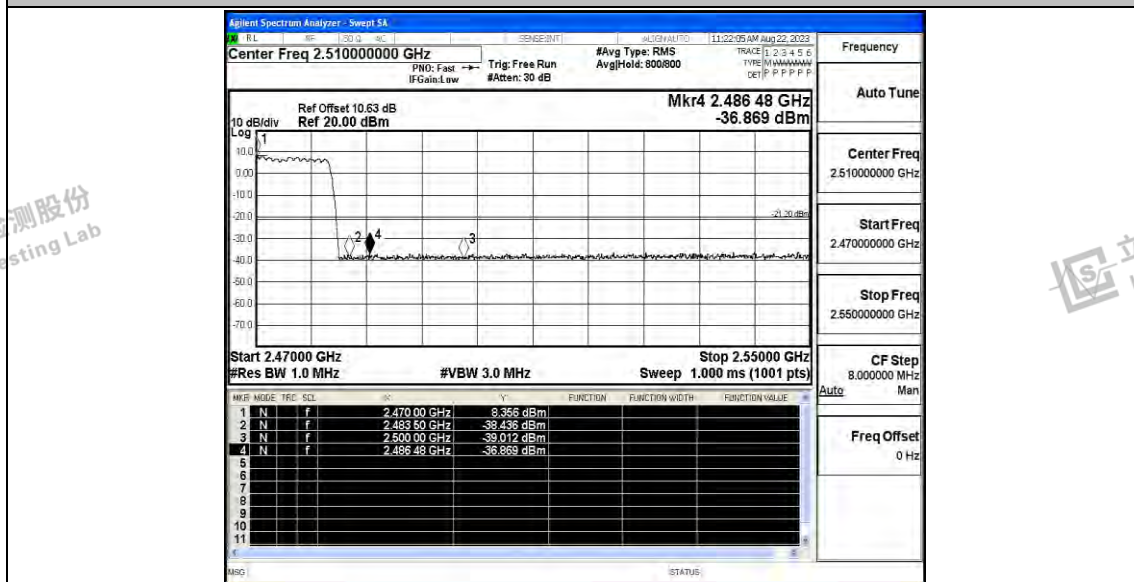
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DH5_Ant1_High_Hop_2480_Peak



2DH5_Ant1_Low_2402_AV

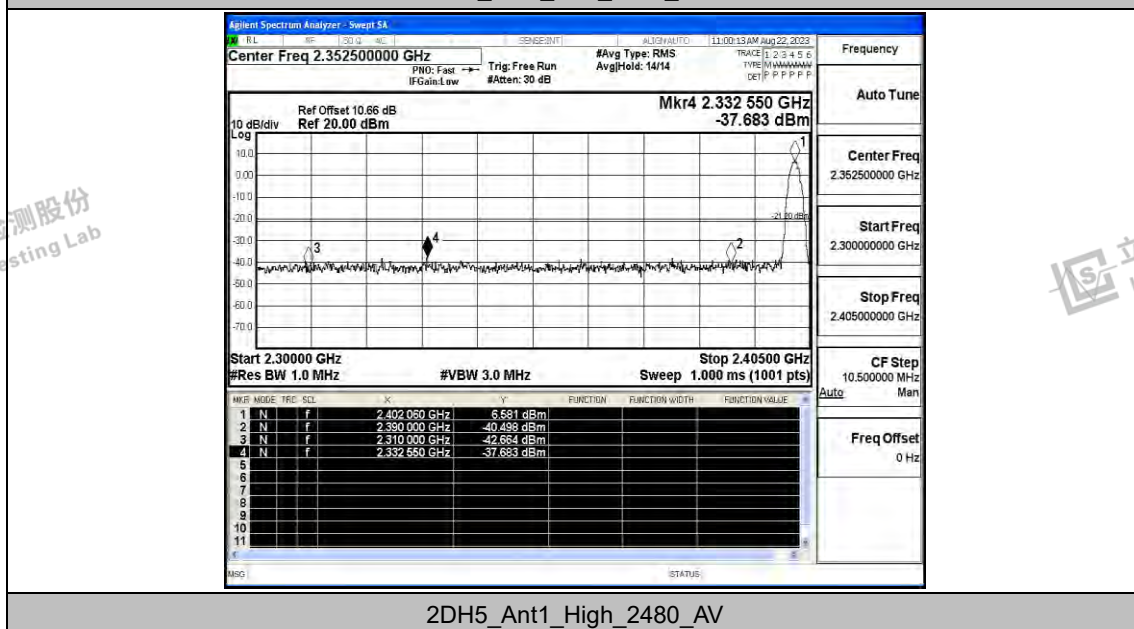
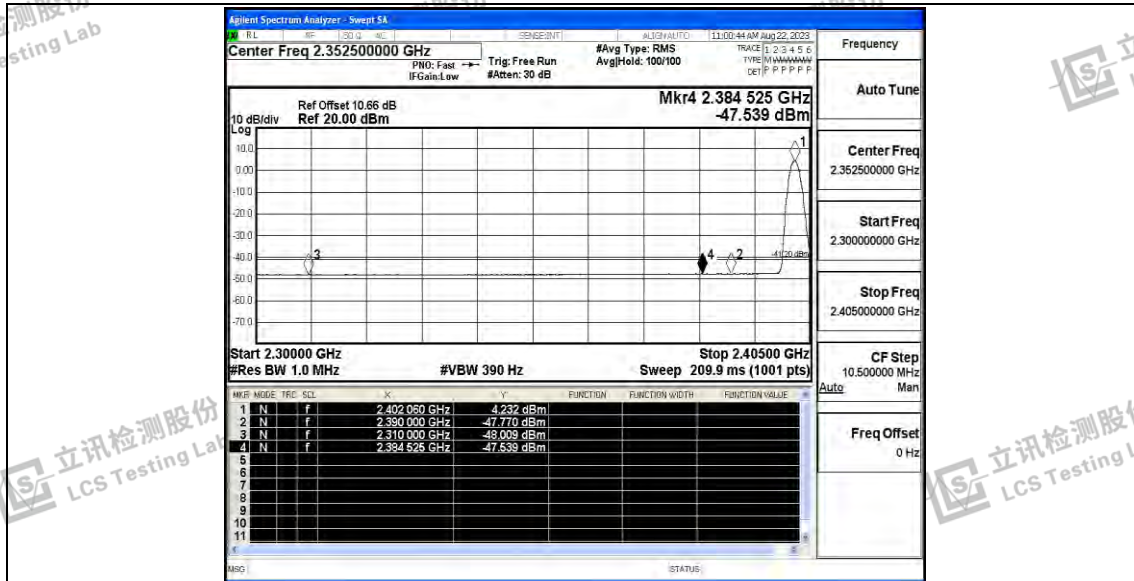


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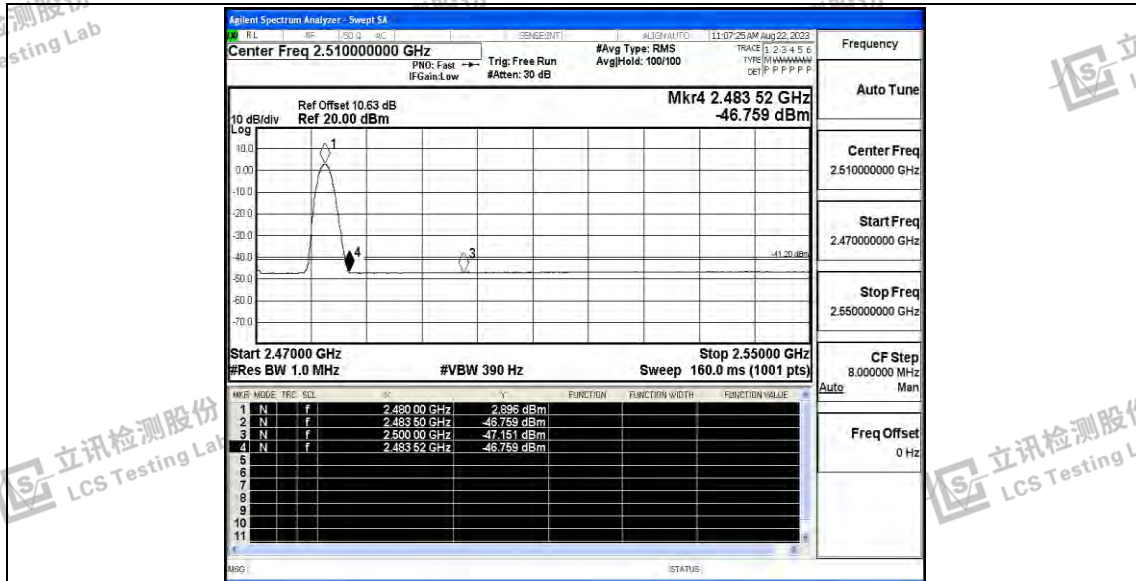


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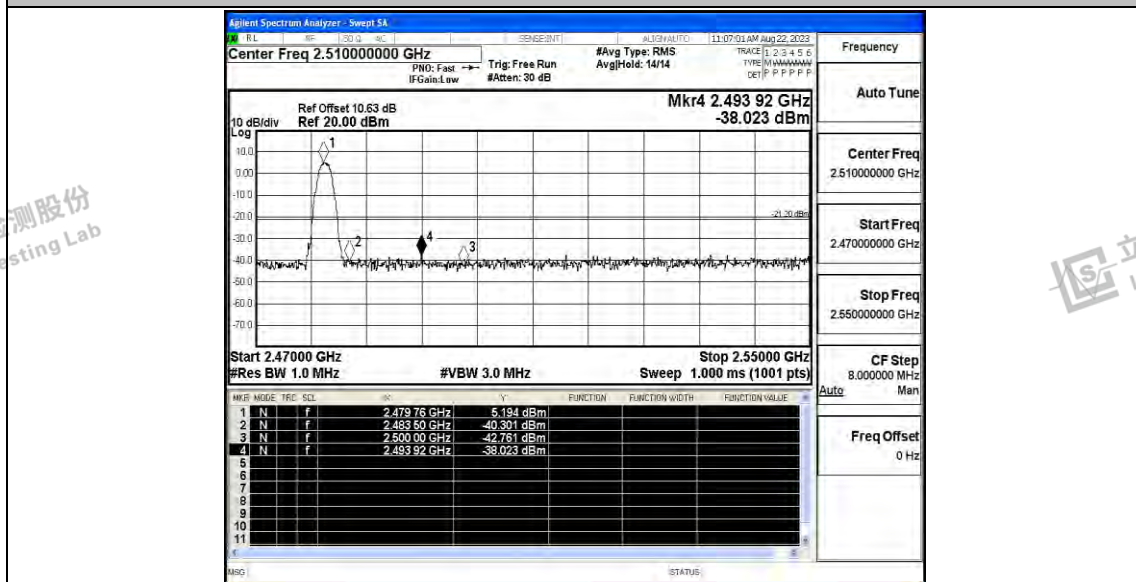
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2DH5_Ant1_High_2480_Peak



2DH5_Ant1_Low_Hop_2402_Peak

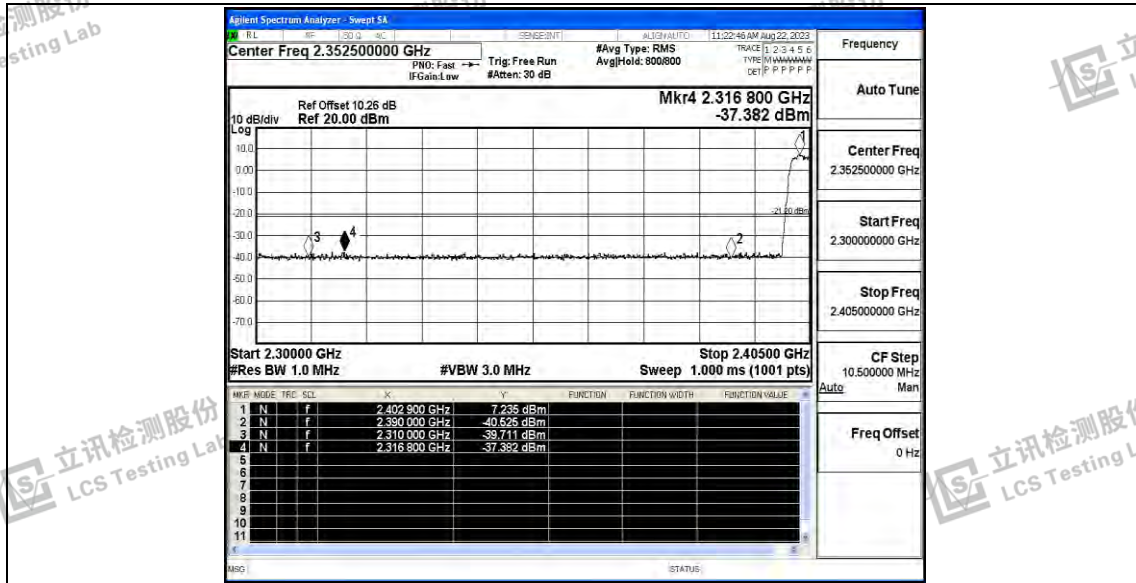


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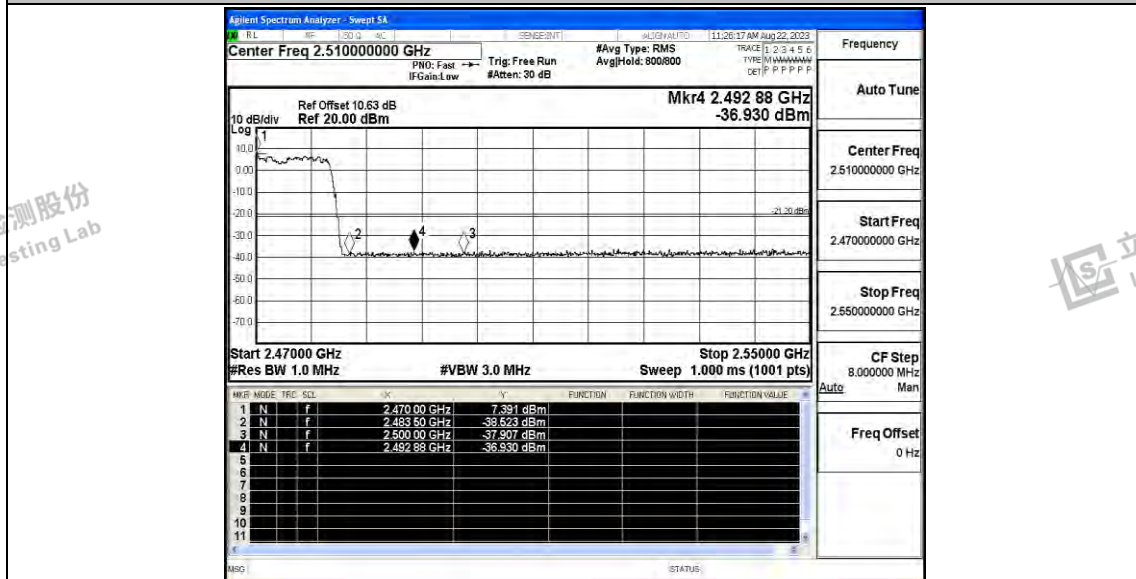
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2DH5_Ant1_High_Hop_2480_Peak



3DH5_Ant1_Low_2402_AV

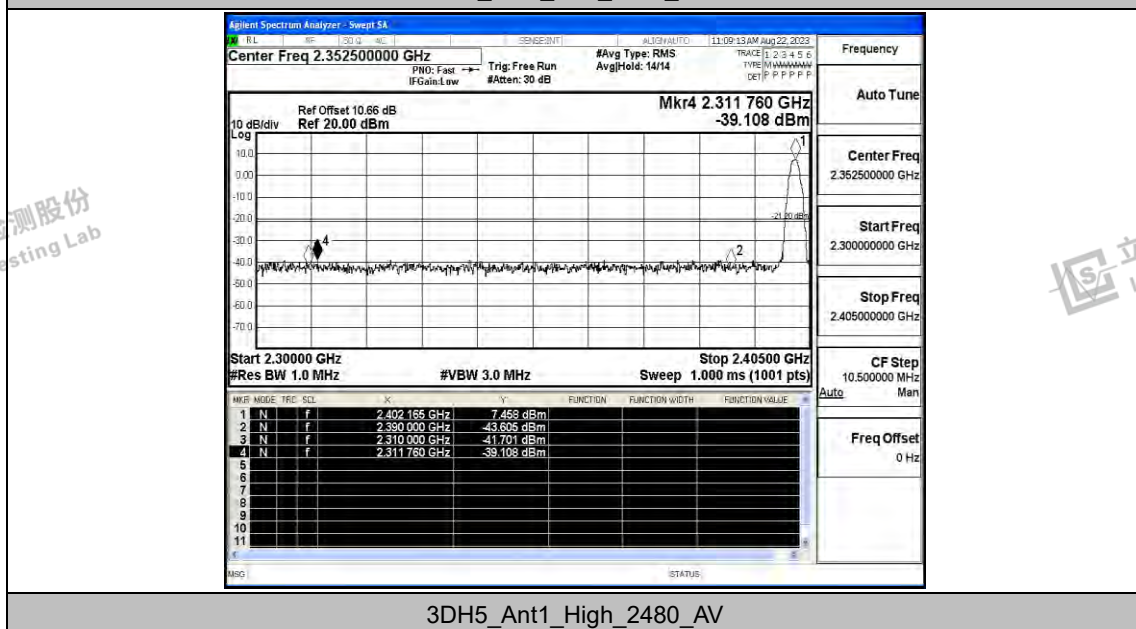
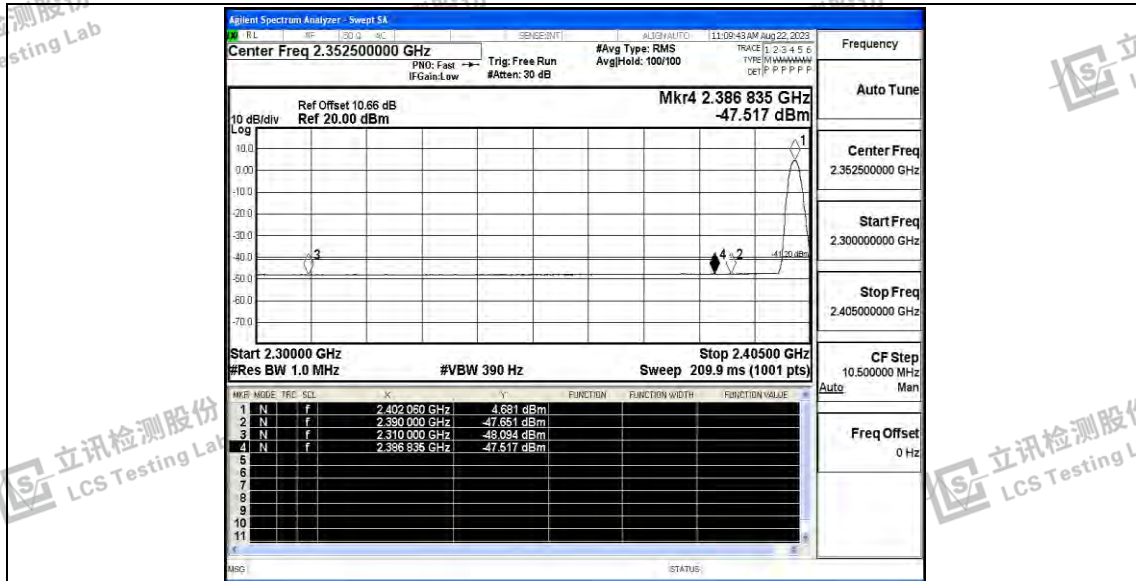


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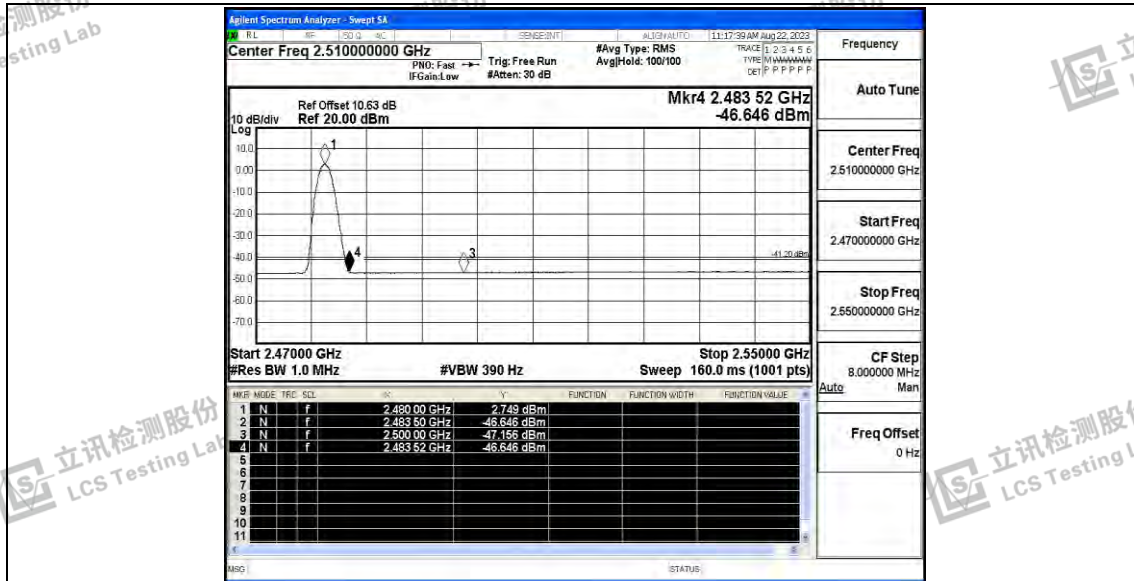


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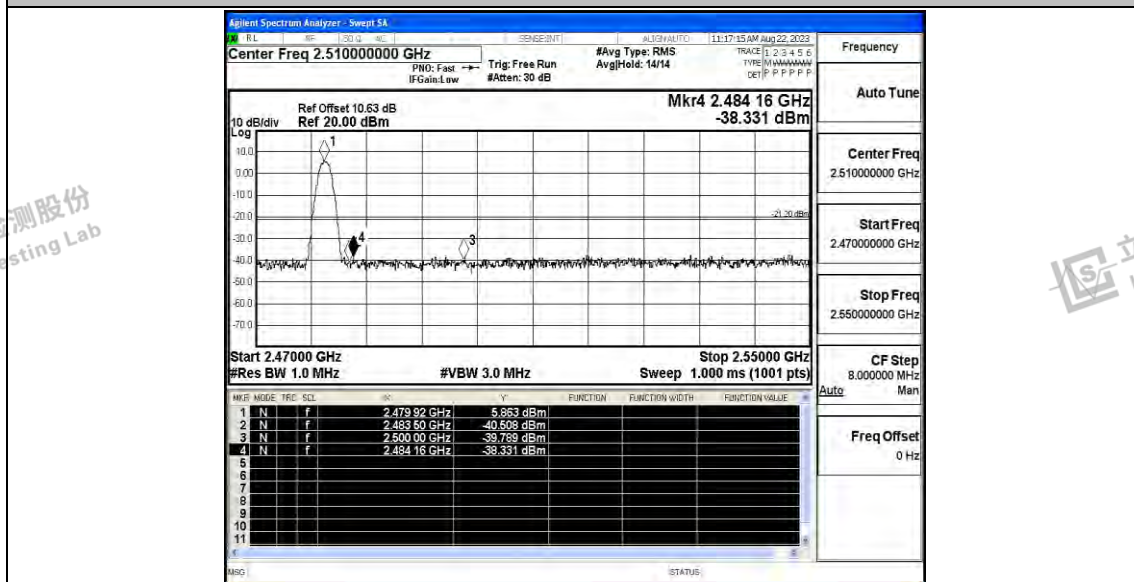
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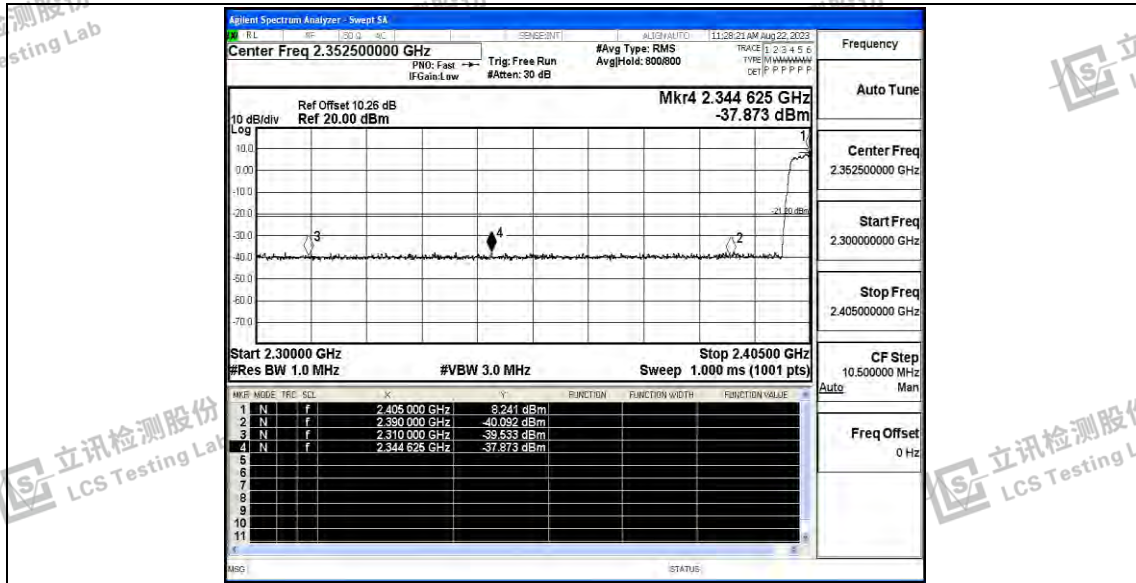


3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak





3DH5_Ant1_High_Hop_2480_Peak

