



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Tablet

Test Model: RT1

Environmental Conditions

Temperature:	23.9° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li huan





A.1 20dB Emission Bandwidth

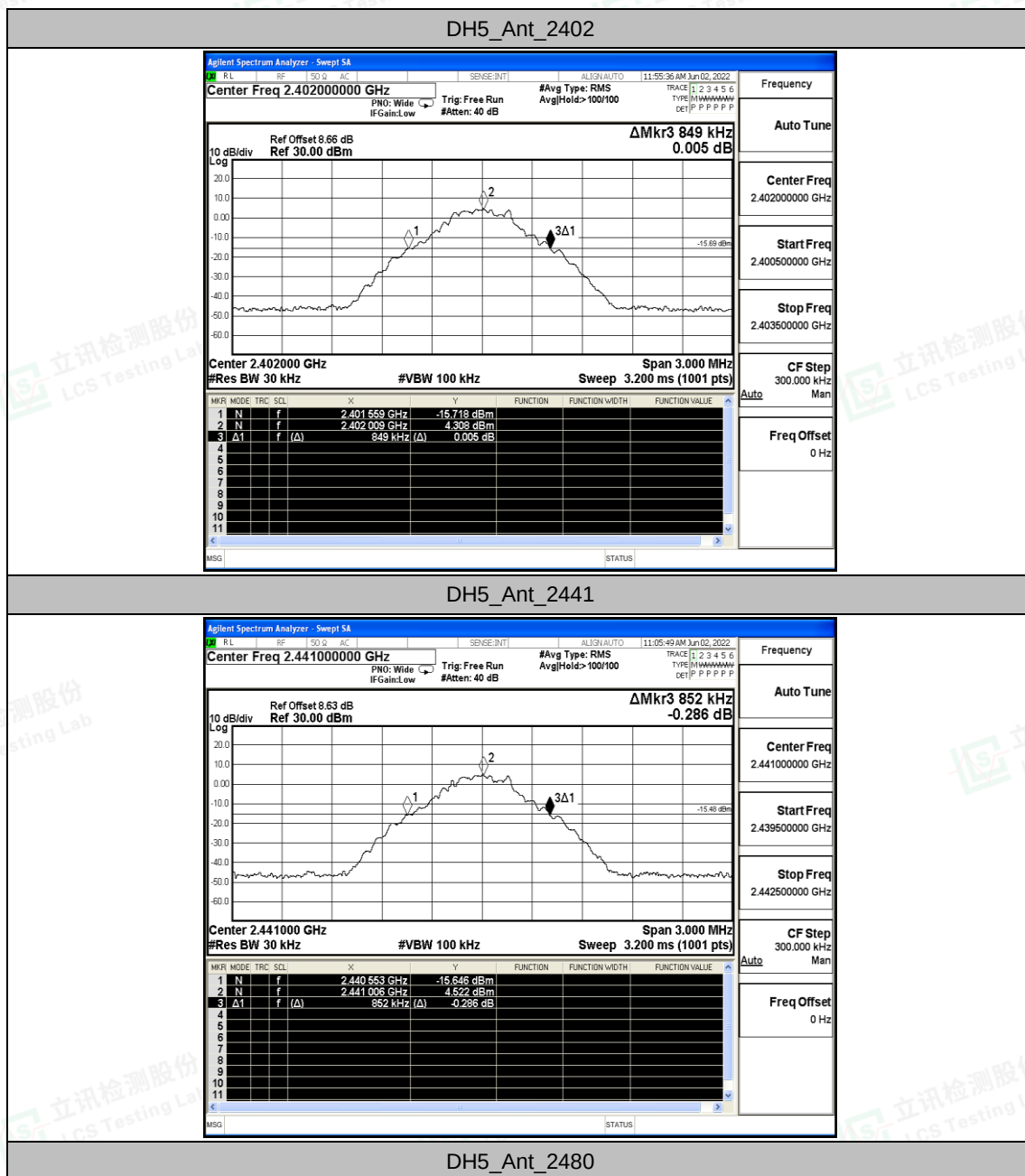
Test Result

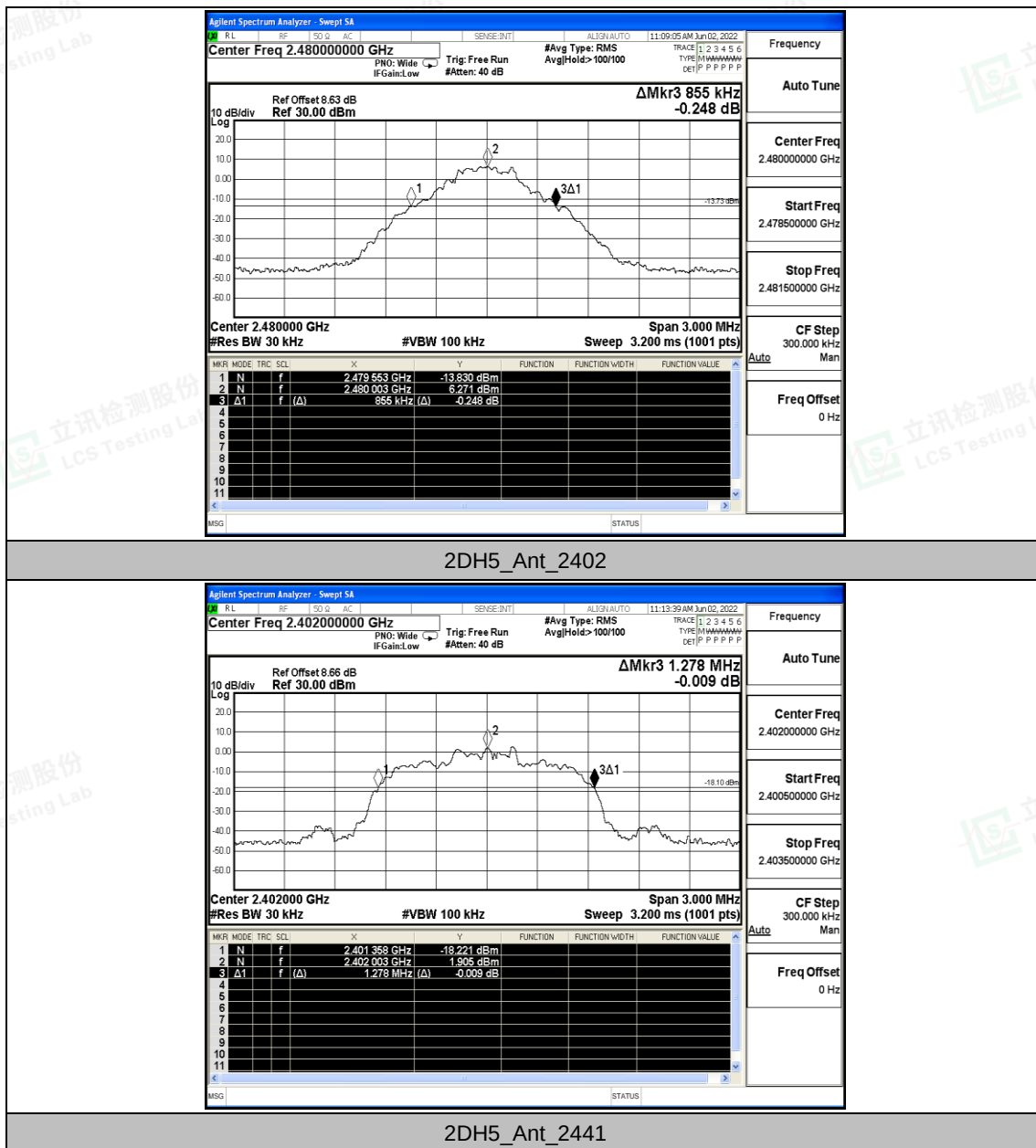
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant	2402	0.849	2401.559	2402.408	---	---
		2441	0.852	2440.553	2441.405	---	---
		2480	0.855	2479.553	2480.408	---	---
2DH5	Ant	2402	1.278	2401.358	2402.636	---	---
		2441	1.266	2440.361	2441.627	---	---
		2480	1.278	2479.358	2480.636	---	---
3DH5	Ant	2402	1.269	2401.349	2402.618	---	---
		2441	1.278	2440.349	2441.627	---	---
		2480	1.275	2479.349	2480.624	---	---





Test Graphs



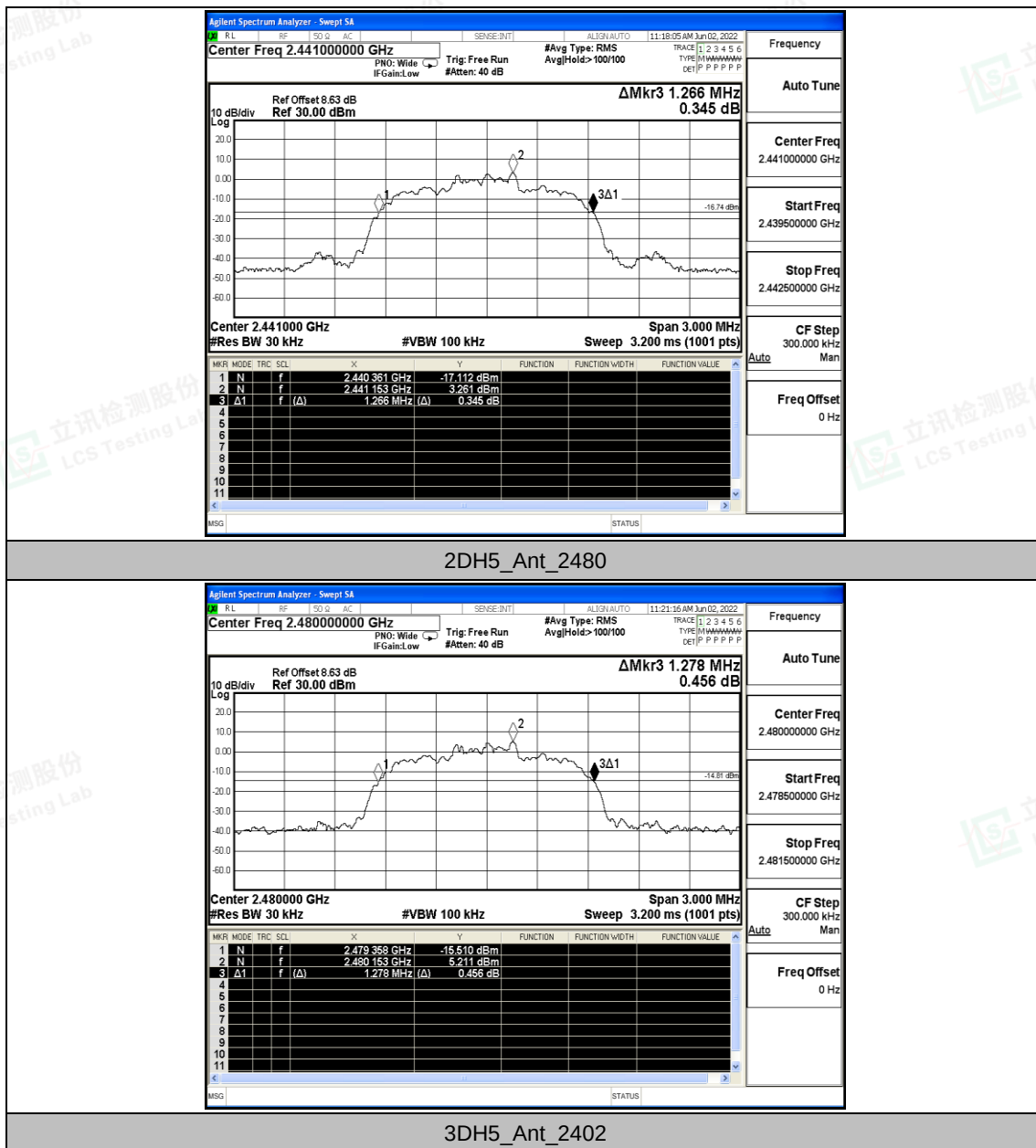


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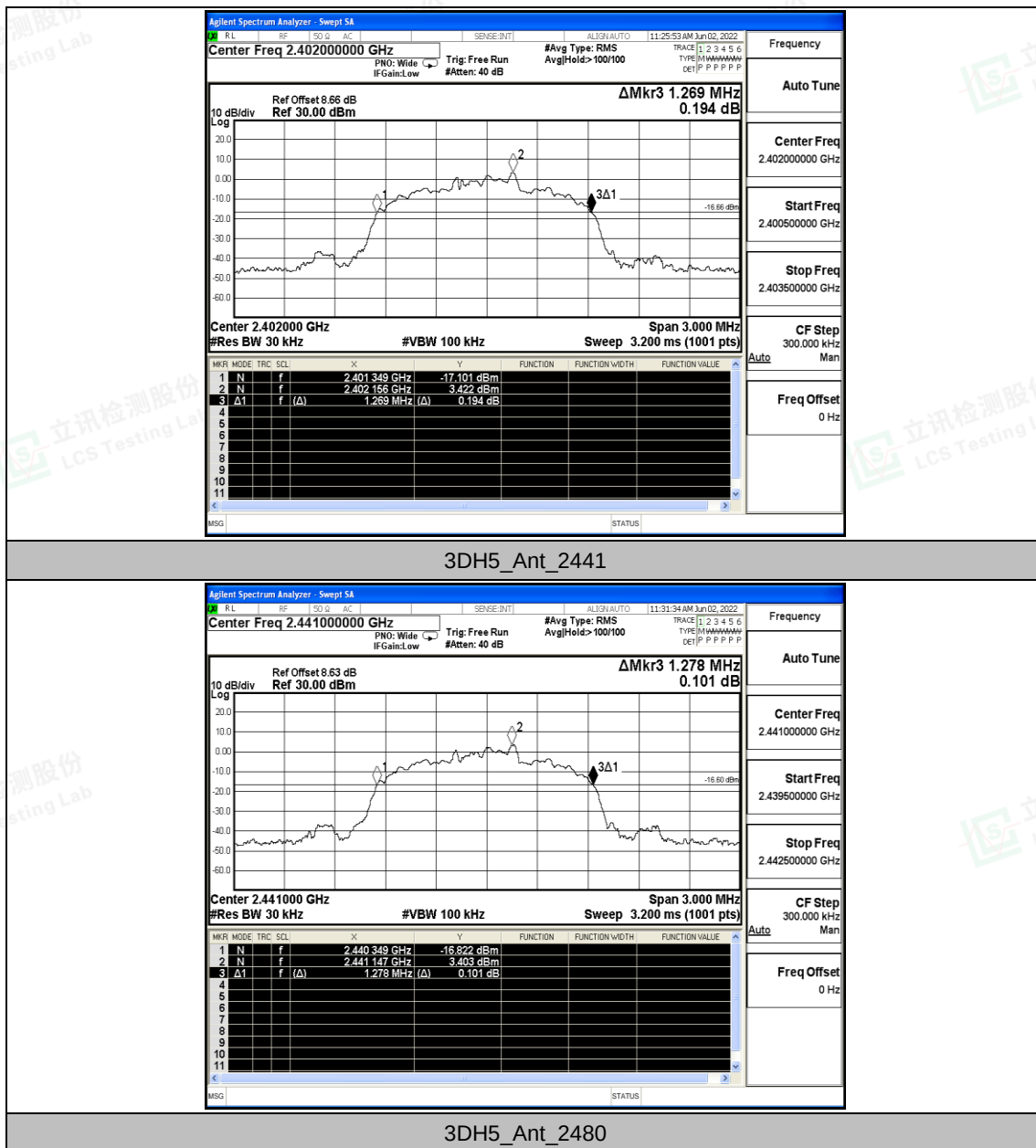


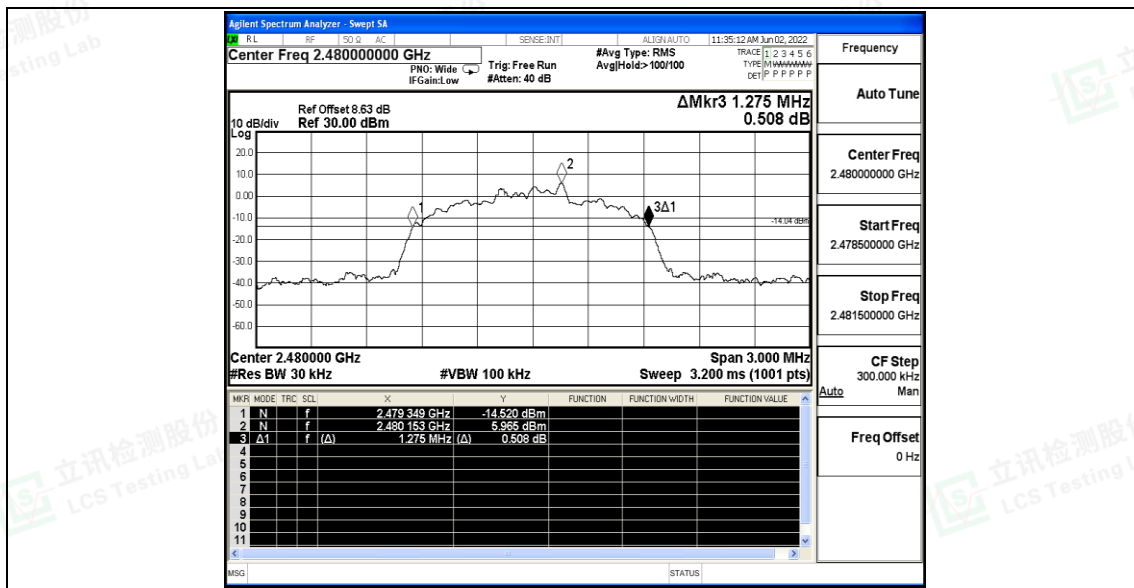
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A.2 Maximum conducted output power

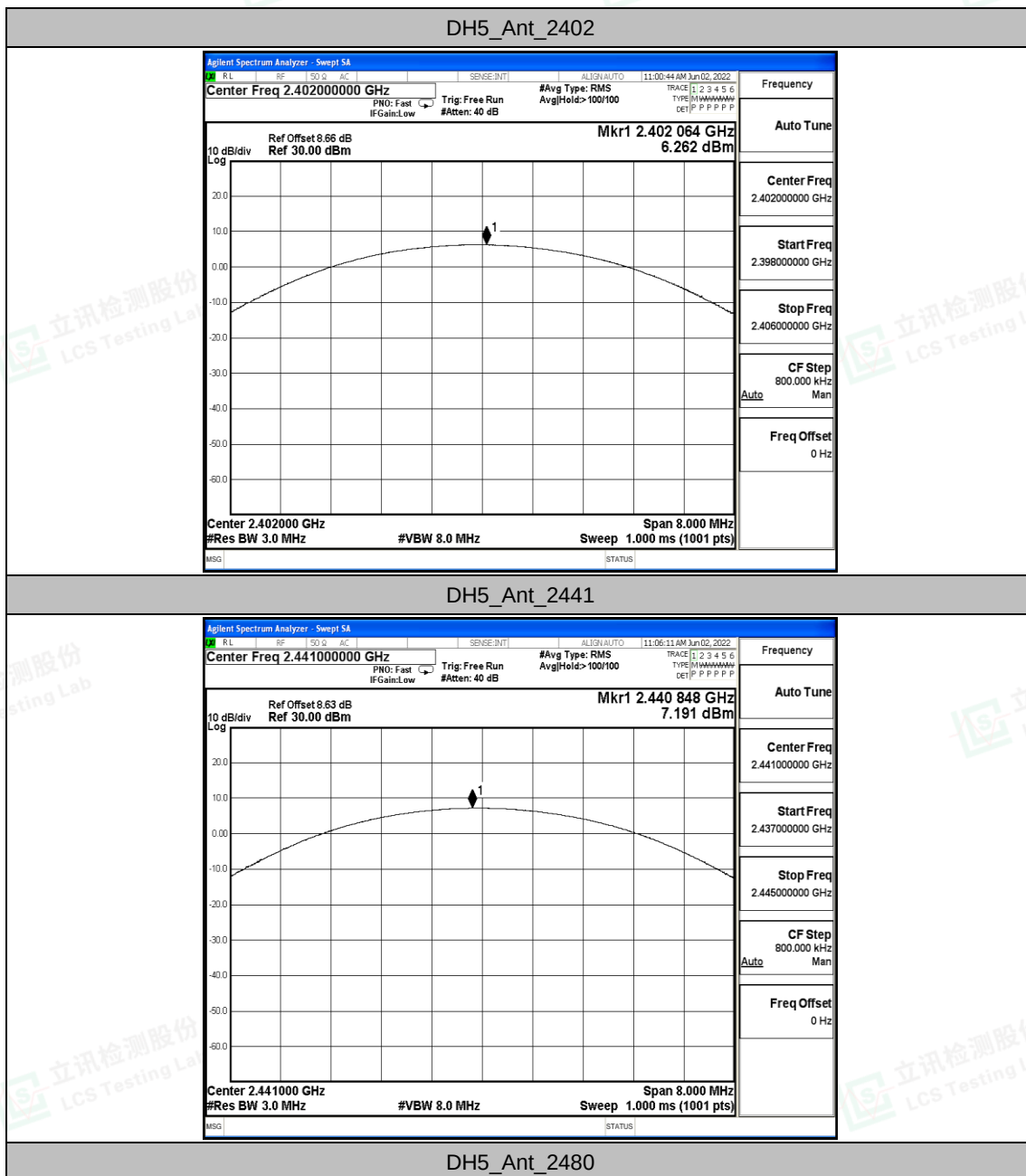
Test Result

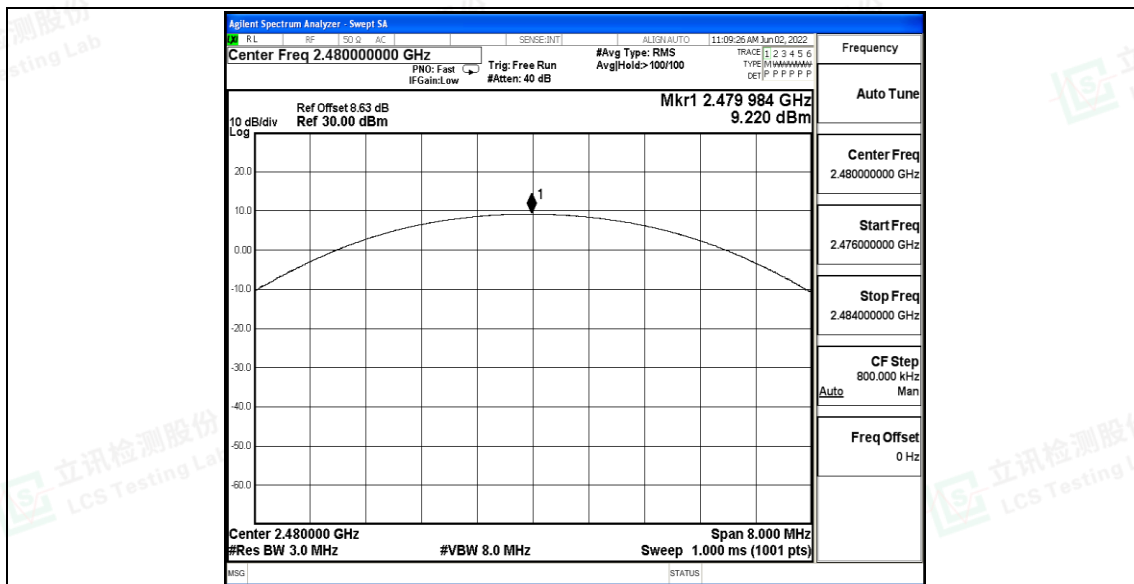
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant	2402	6.26	≤20.97	PASS
		2441	7.19	≤20.97	PASS
		2480	9.22	≤20.97	PASS
2DH5	Ant	2402	5.78	≤20.97	PASS
		2441	6.39	≤20.97	PASS
		2480	8.43	≤20.97	PASS
3DH5	Ant	2402	5.89	≤20.97	PASS
		2441	6.49	≤20.97	PASS
		2480	8.43	≤20.97	PASS



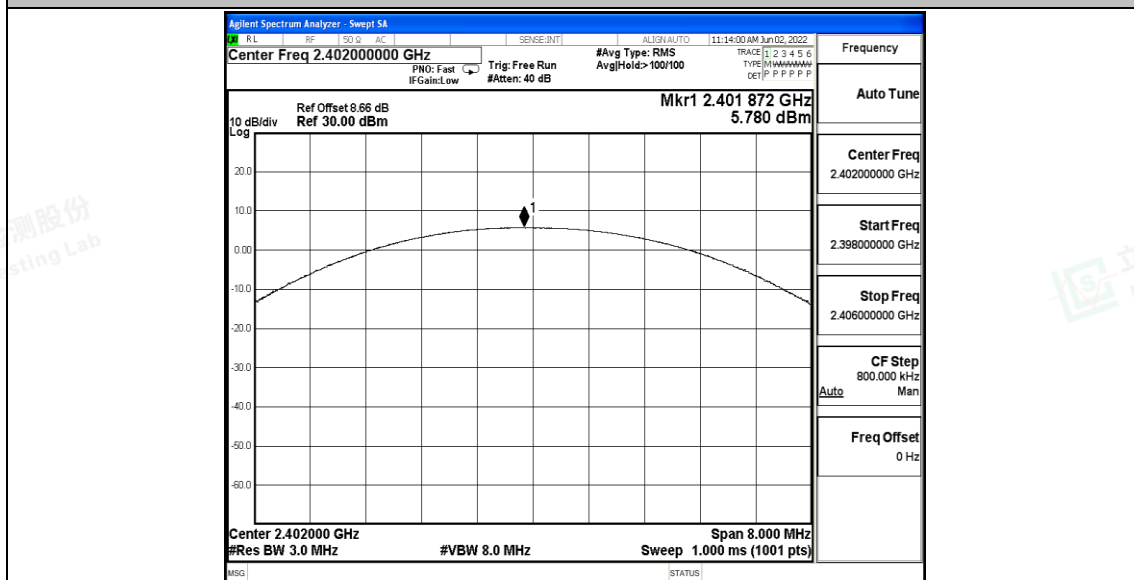


Test Graphs



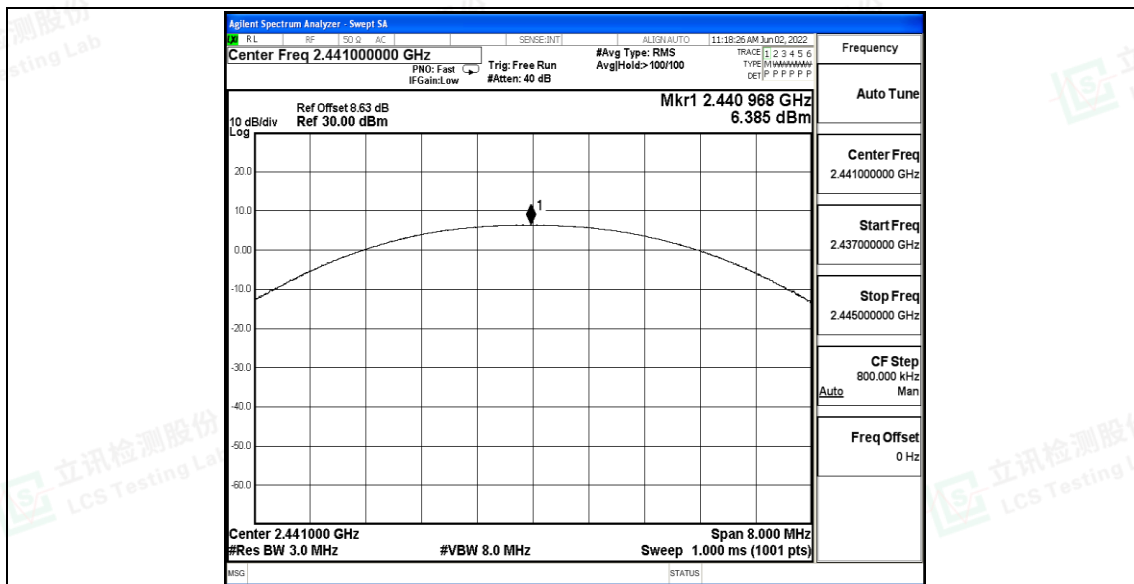


2DH5_Ant_2402

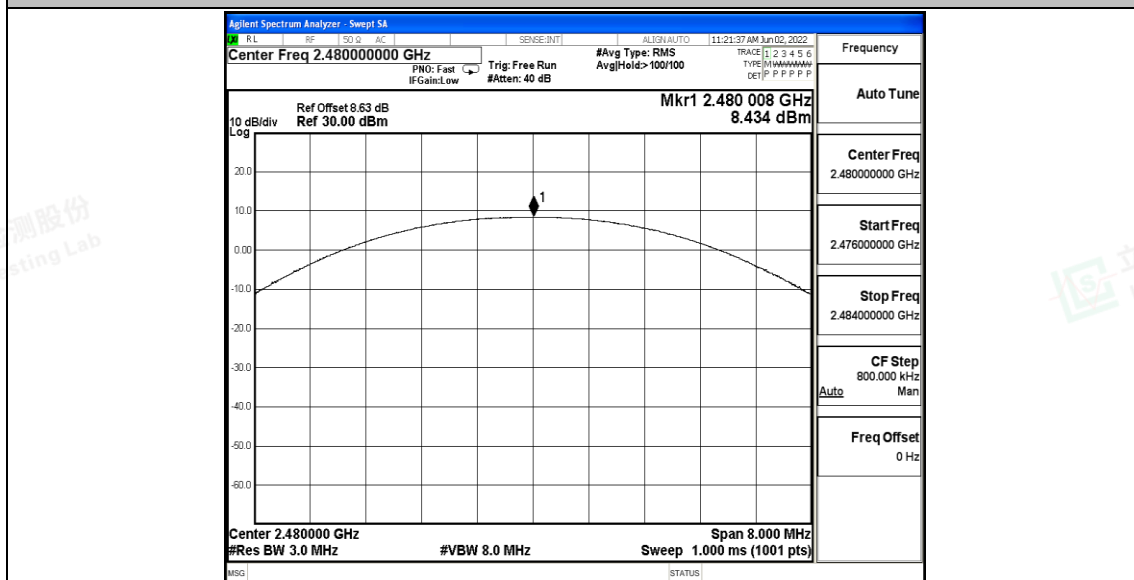


2DH5_Ant_2441



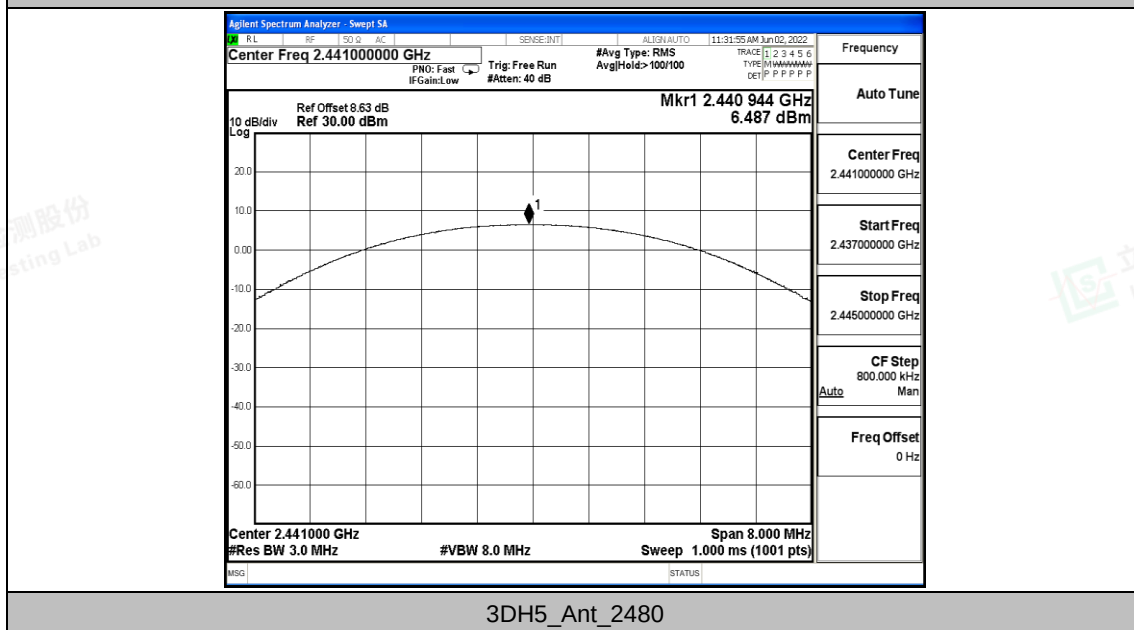
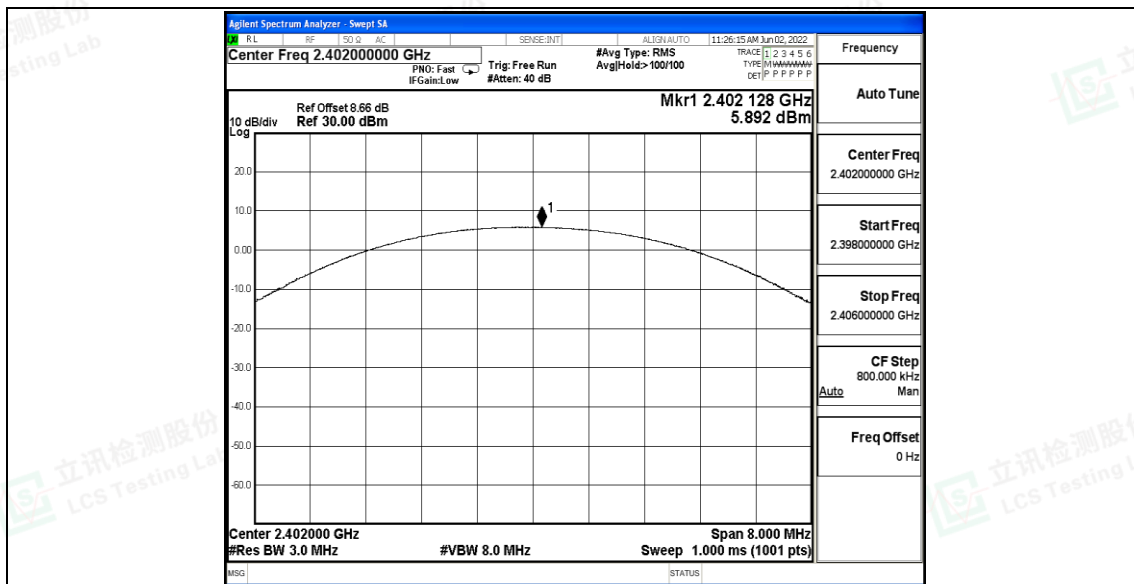


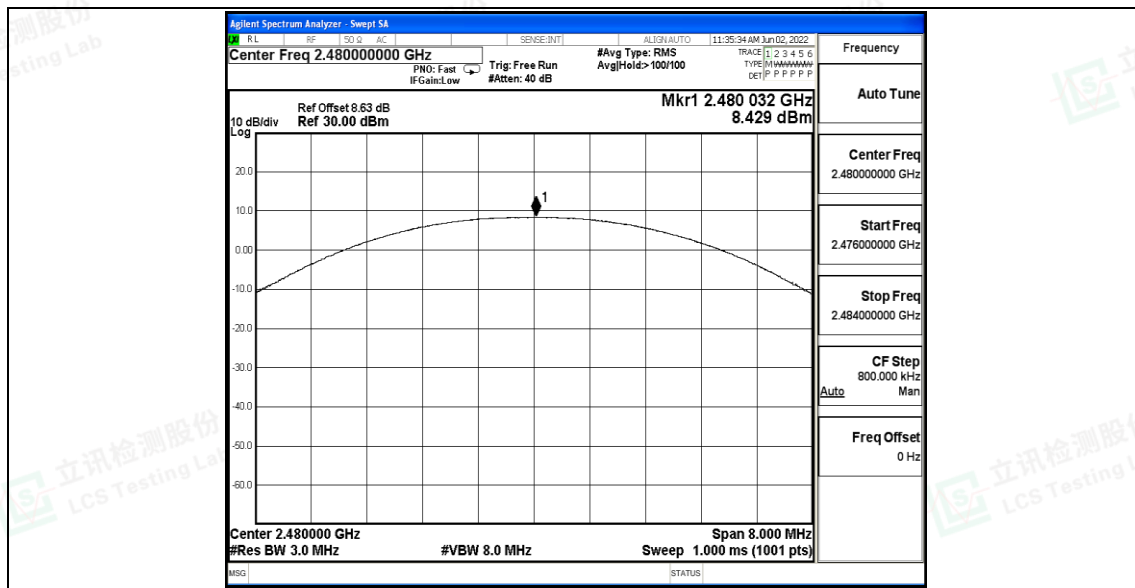
2DH5_Ant_2480



3DH5_Ant_2402









A.3 Carrier frequency separation

Test Result

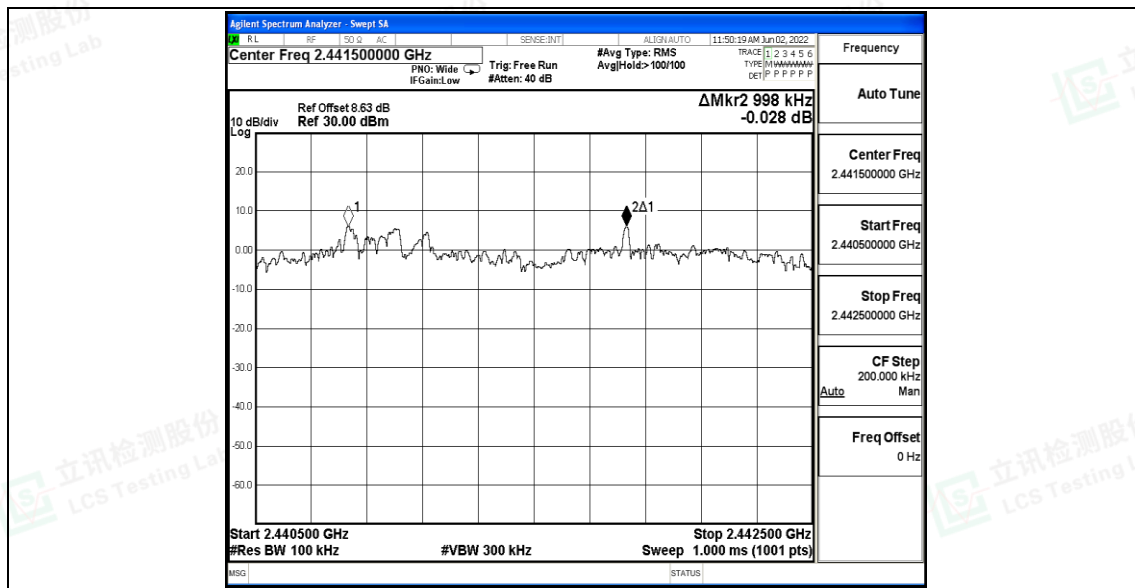
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant	Hop	0.882	≥ 0.570	PASS
2DH5	Ant	Hop	1.02	≥ 0.852	PASS
3DH5	Ant	Hop	0.998	≥ 0.852	PASS





Test Graphs







A.4 Time of occupancy

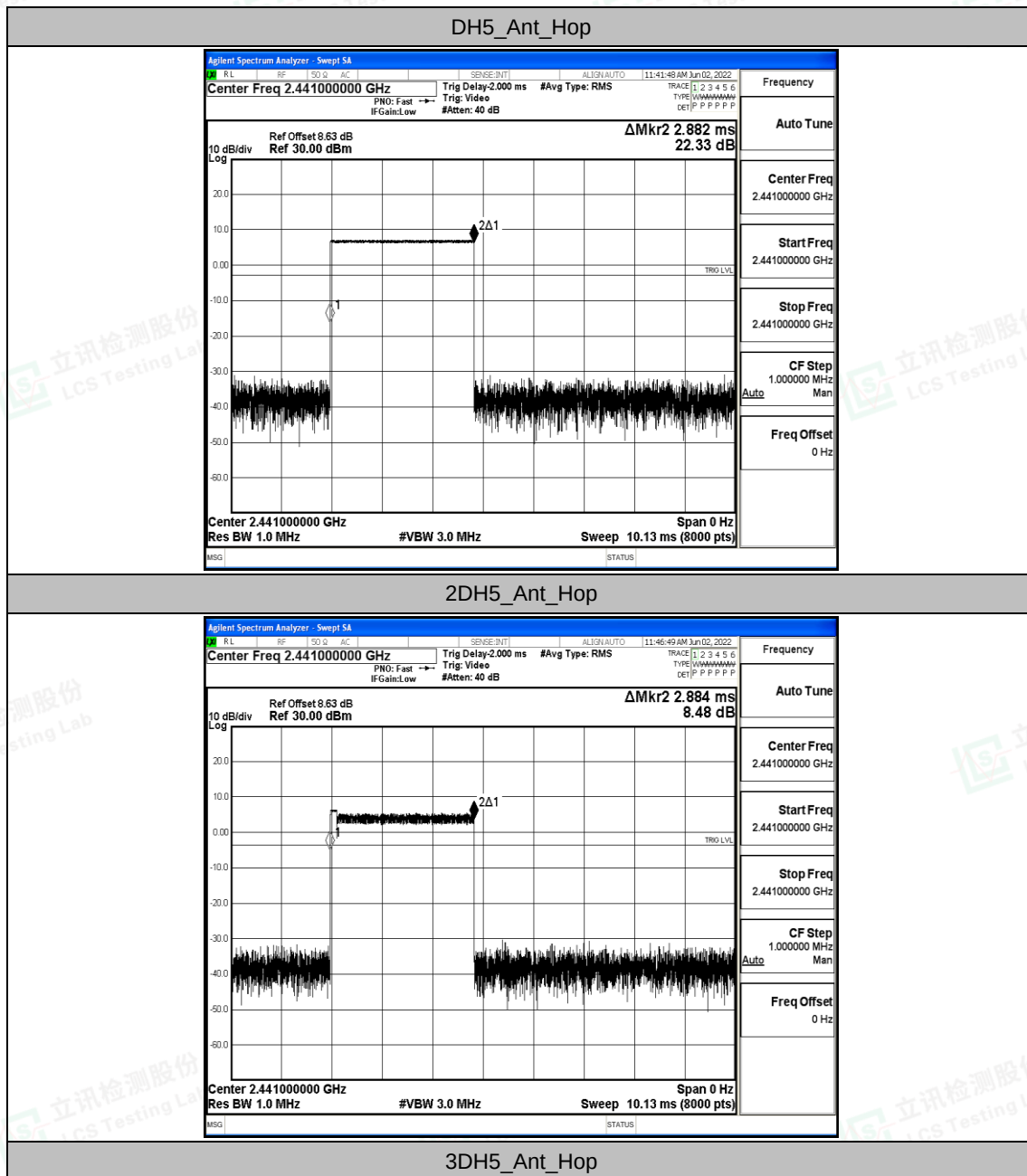
Test Result

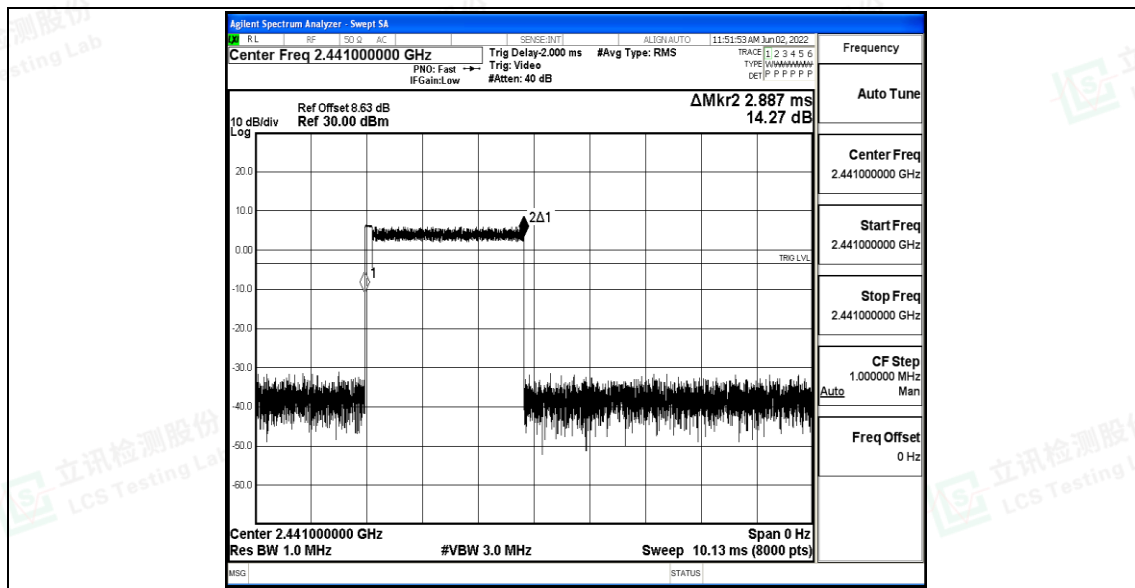
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant	Hop	2.88	106.67	0.307	≤0.4	PASS
2DH5	Ant	Hop	2.88	106.67	0.307	≤0.4	PASS
3DH5	Ant	Hop	2.89	106.67	0.308	≤0.4	PASS





Test Graphs







A.5 Number of hopping channels

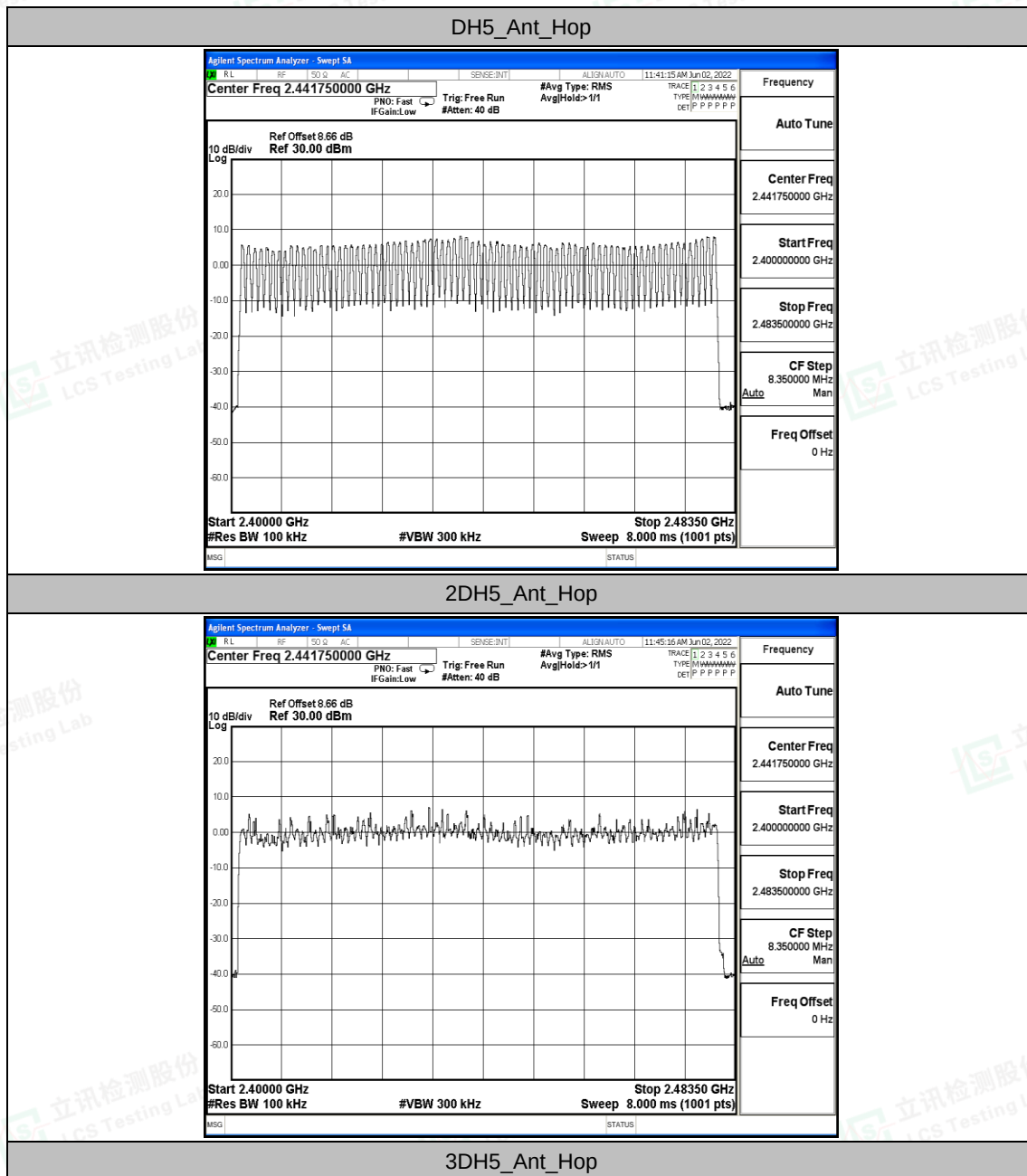
Test Result

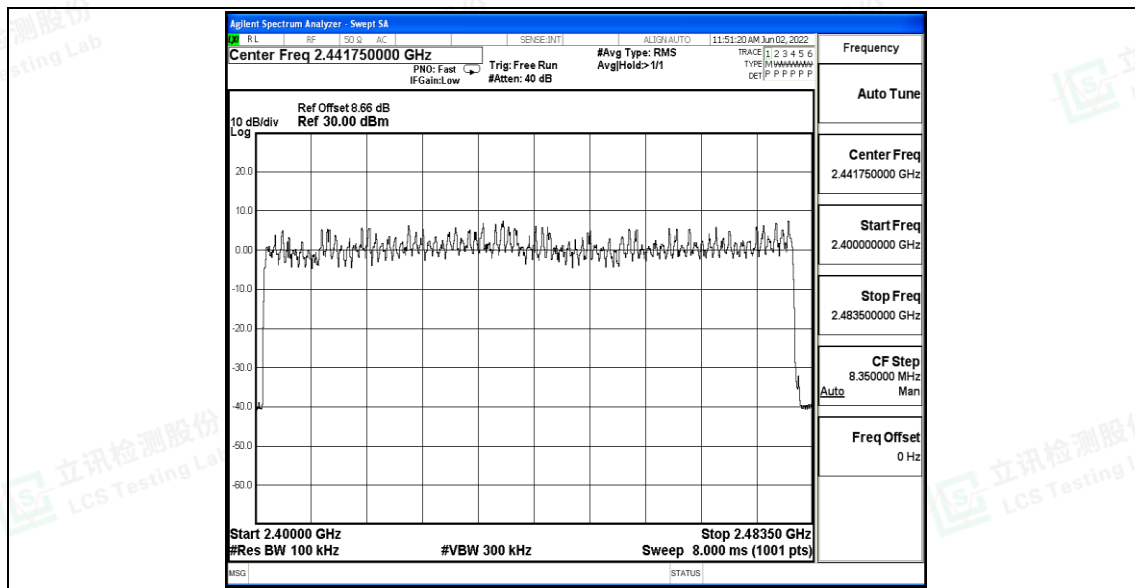
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant	Hop	79	≥15	PASS
2DH5	Ant	Hop	79	≥15	PASS
3DH5	Ant	Hop	79	≥15	PASS





Test Graphs







A.6 Band edge measurements

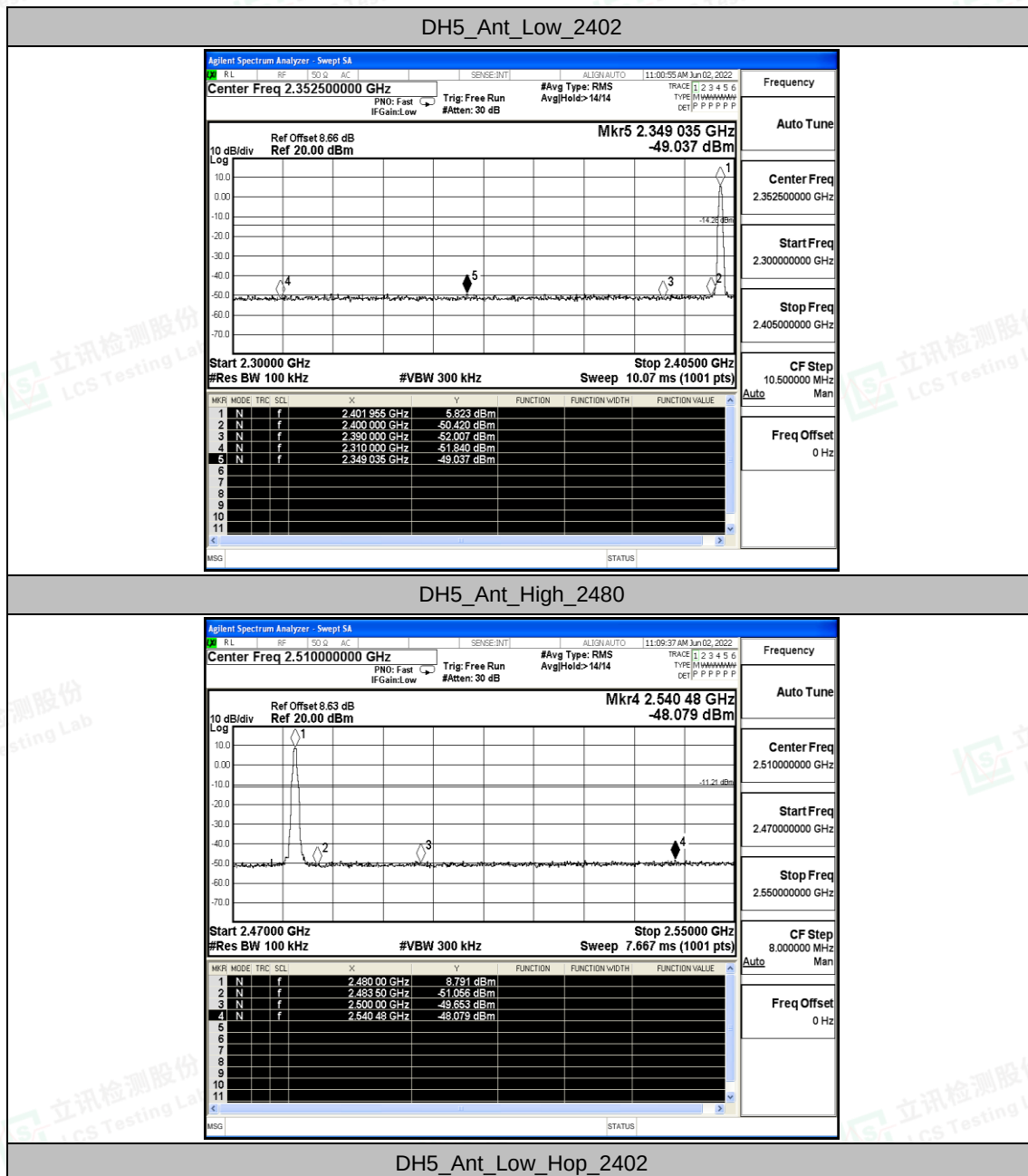
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant	Low	2402	5.72	-49.04	≤ -14.28	PASS
		High	2480	8.79	-48.08	≤ -11.21	PASS
		Low	Hop_2402	5.30	-49.28	≤ -14.7	PASS
		High	Hop_2480	8.16	-47.82	≤ -11.84	PASS
2DH5	Ant	Low	2402	3.67	-49.07	≤ -16.33	PASS
		High	2480	7.84	-47.74	≤ -12.16	PASS
		Low	Hop_2402	5.28	-49.28	≤ -14.72	PASS
		High	Hop_2480	3.54	-47.93	≤ -16.46	PASS
3DH5	Ant	Low	2402	5.30	-49.23	≤ -14.7	PASS
		High	2480	8.03	-48.09	≤ -11.97	PASS
		Low	Hop_2402	1.72	-49.63	≤ -18.28	PASS
		High	Hop_2480	5.53	-47.91	≤ -14.48	PASS





Test Graphs

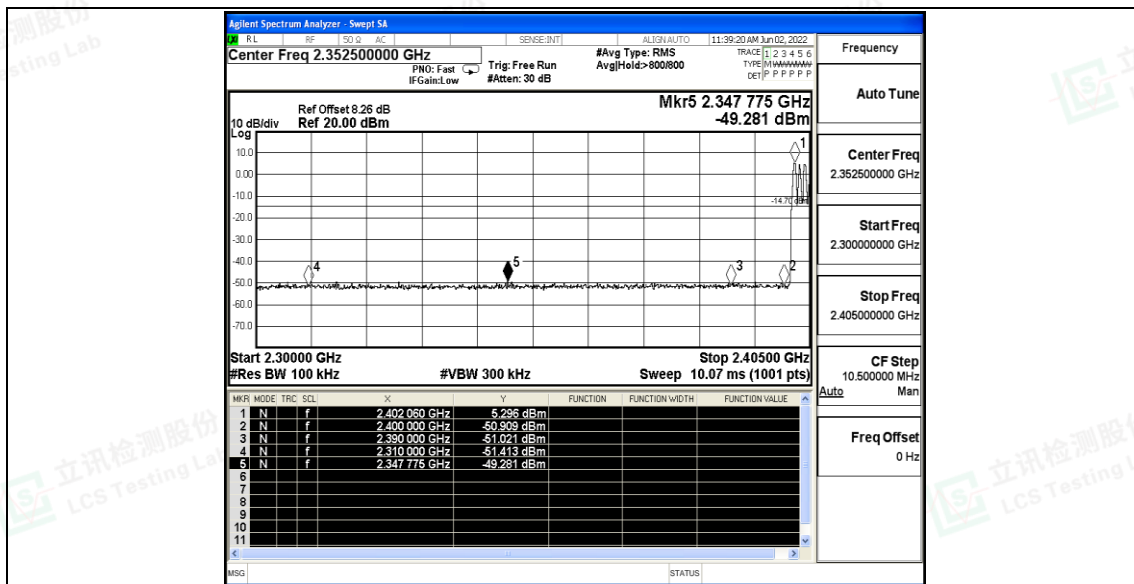


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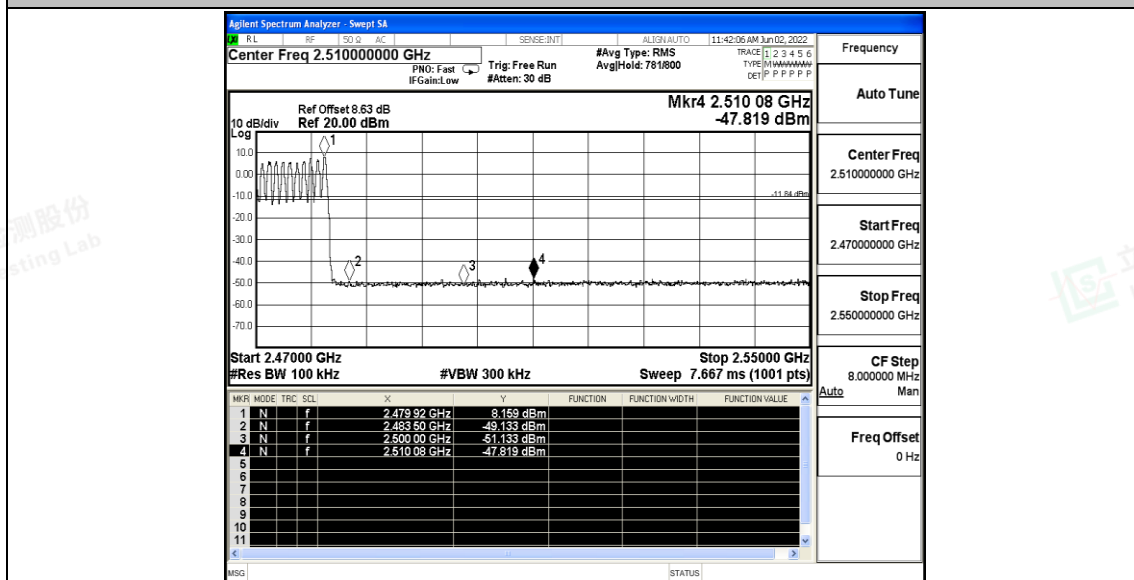
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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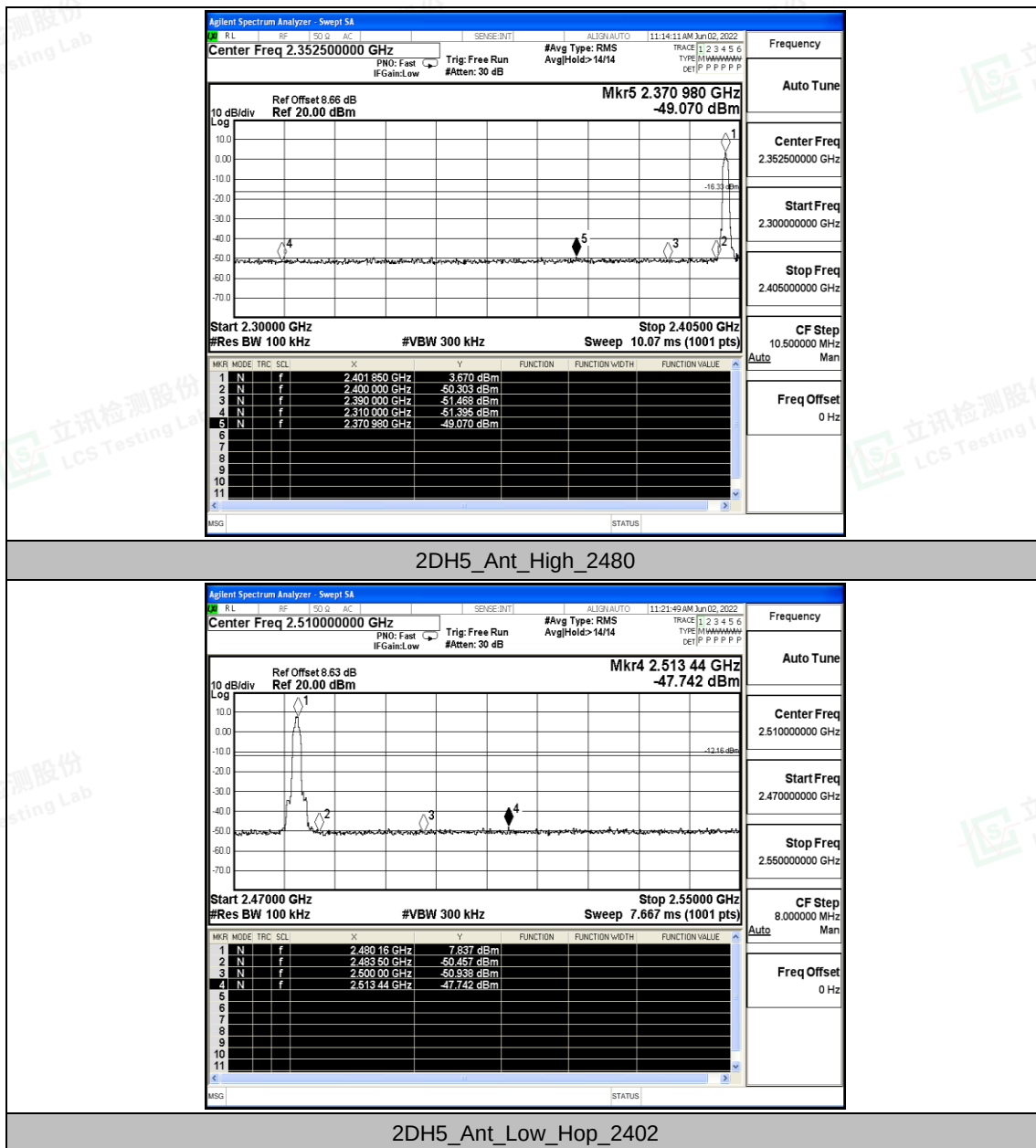


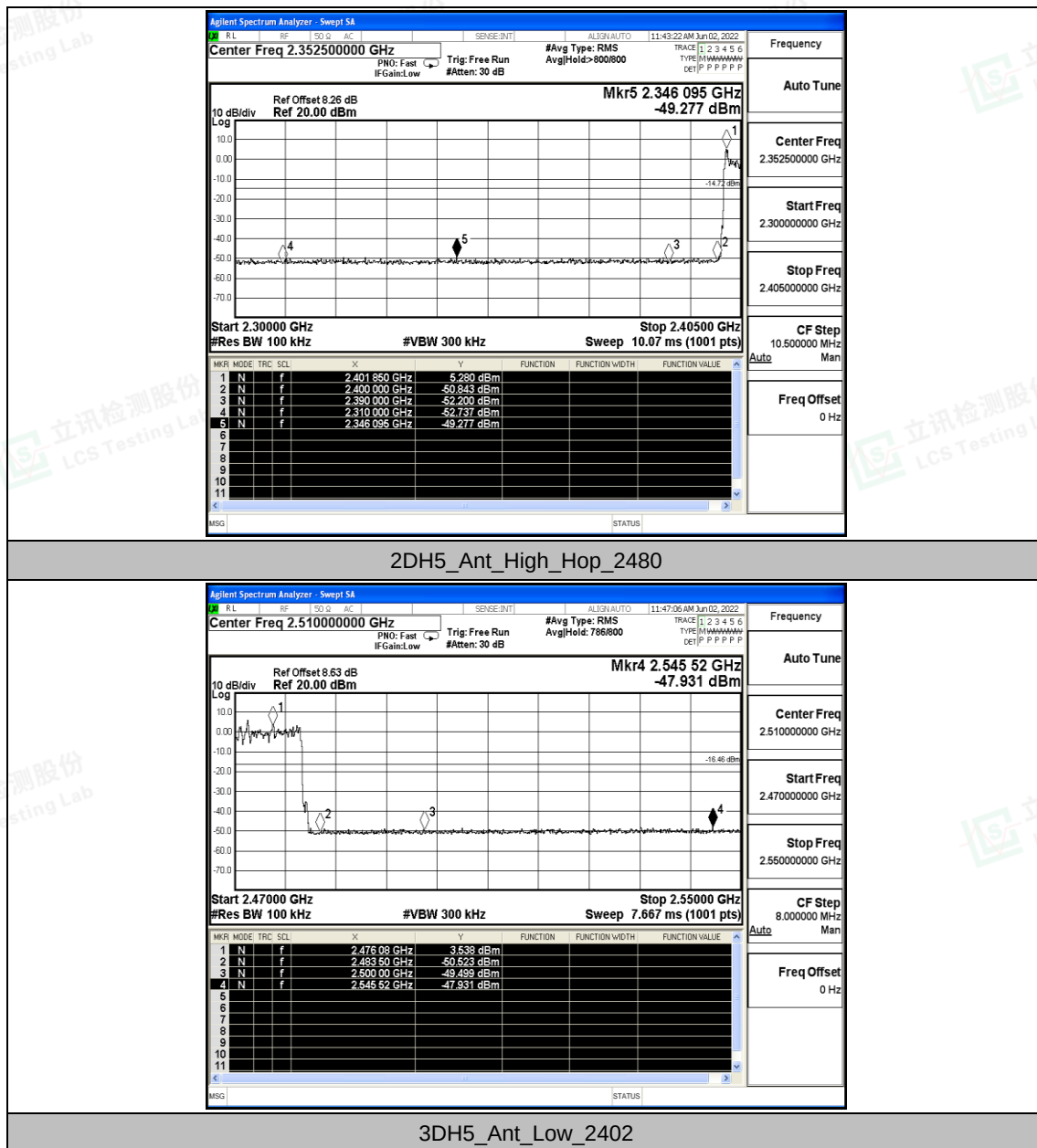
DH5_Ant_High_Hop_2480



2DH5_Ant_Low_2402





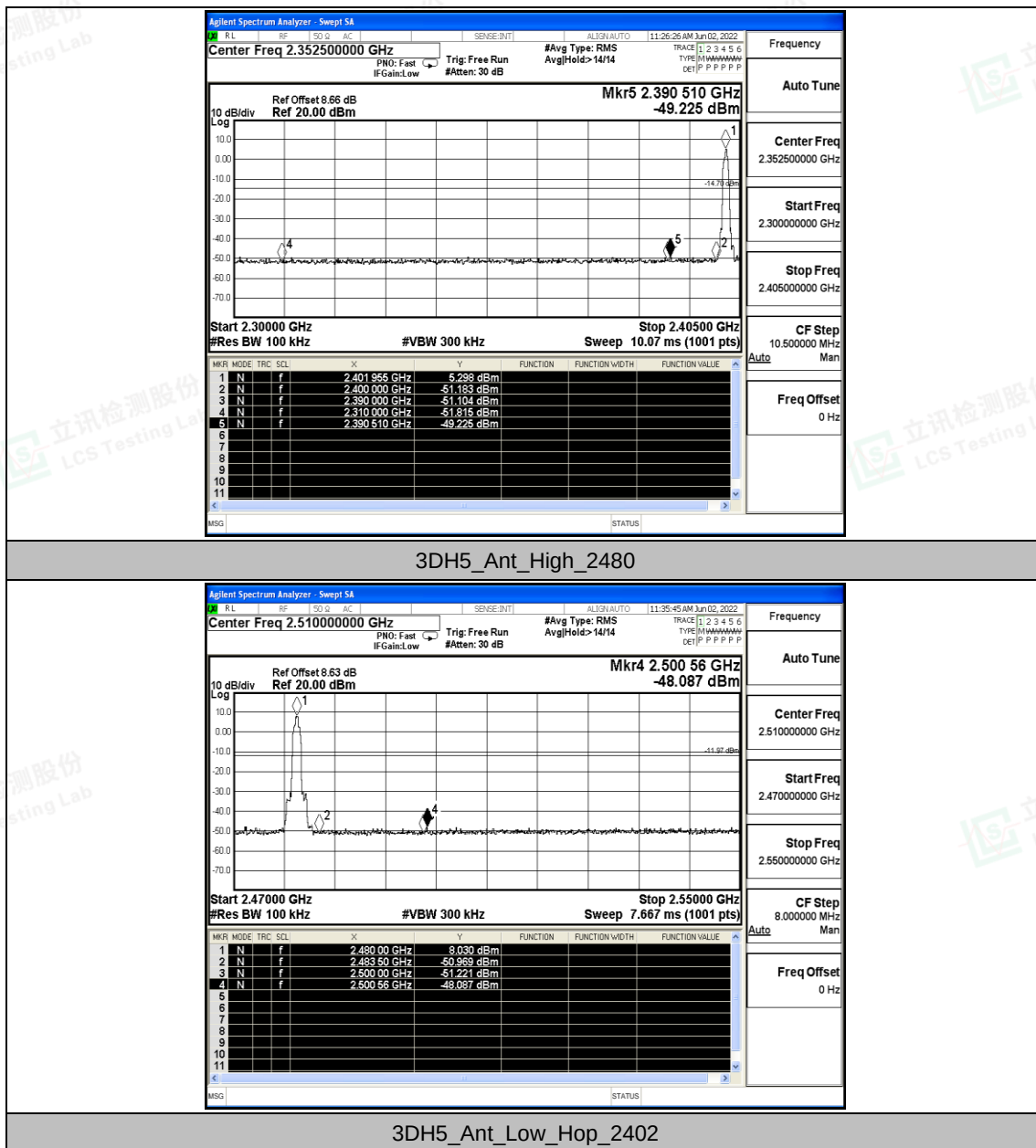


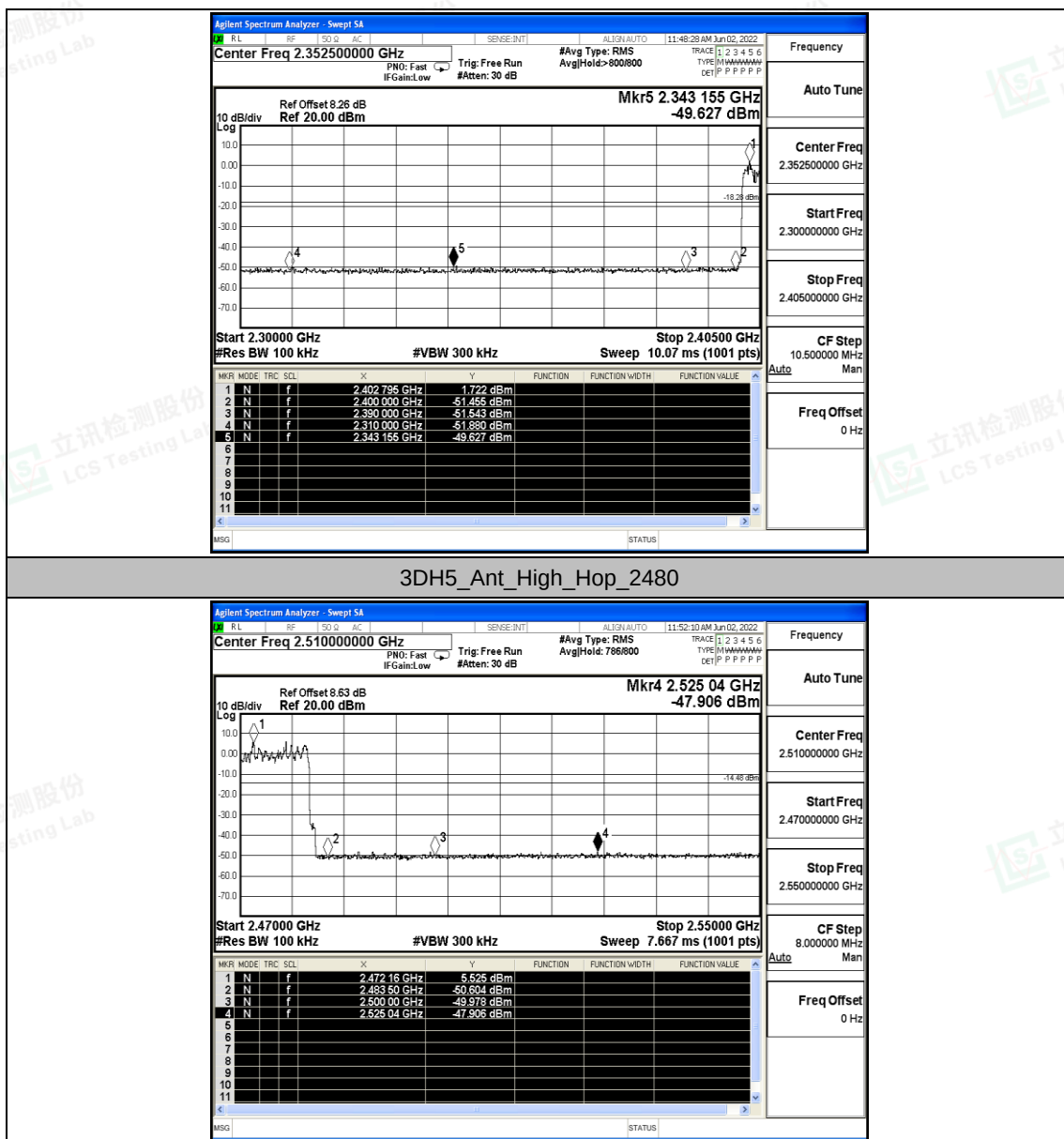
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A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant	2402	Reference	5.54	5.54	---	PASS
			30~1000	5.54	-60.76	≤-14.46	PASS
			1000~26500	5.54	-45.77	≤-14.46	PASS
		2441	Reference	6.51	6.51	---	PASS
			30~1000	6.51	-60.3	≤-13.49	PASS
			1000~26500	6.51	-41.51	≤-13.49	PASS
		2480	Reference	8.52	8.52	---	PASS
			30~1000	8.52	-60	≤-11.48	PASS
			1000~26500	8.52	-41.63	≤-11.48	PASS
2DH5	Ant	2402	Reference	5.37	5.37	---	PASS
			30~1000	5.37	-60.43	≤-14.63	PASS
			1000~26500	5.37	-46.06	≤-14.63	PASS
		2441	Reference	5.82	5.82	---	PASS
			30~1000	5.82	-60.57	≤-14.18	PASS
			1000~26500	5.82	-46.4	≤-14.18	PASS
		2480	Reference	7.85	7.85	---	PASS
			30~1000	7.85	-60.17	≤-12.15	PASS
			1000~26500	7.85	-45.82	≤-12.15	PASS
3DH5	Ant	2402	Reference	5.23	5.23	---	PASS
			30~1000	5.23	-60.71	≤-14.77	PASS
			1000~26500	5.23	-45.51	≤-14.77	PASS
		2441	Reference	5.54	5.54	---	PASS
			30~1000	5.54	-60.93	≤-14.46	PASS
			1000~26500	5.54	-46.47	≤-14.46	PASS
		2480	Reference	7.98	7.98	---	PASS
			30~1000	7.98	-60.62	≤-12.02	PASS
			1000~26500	7.98	-46.21	≤-12.02	PASS



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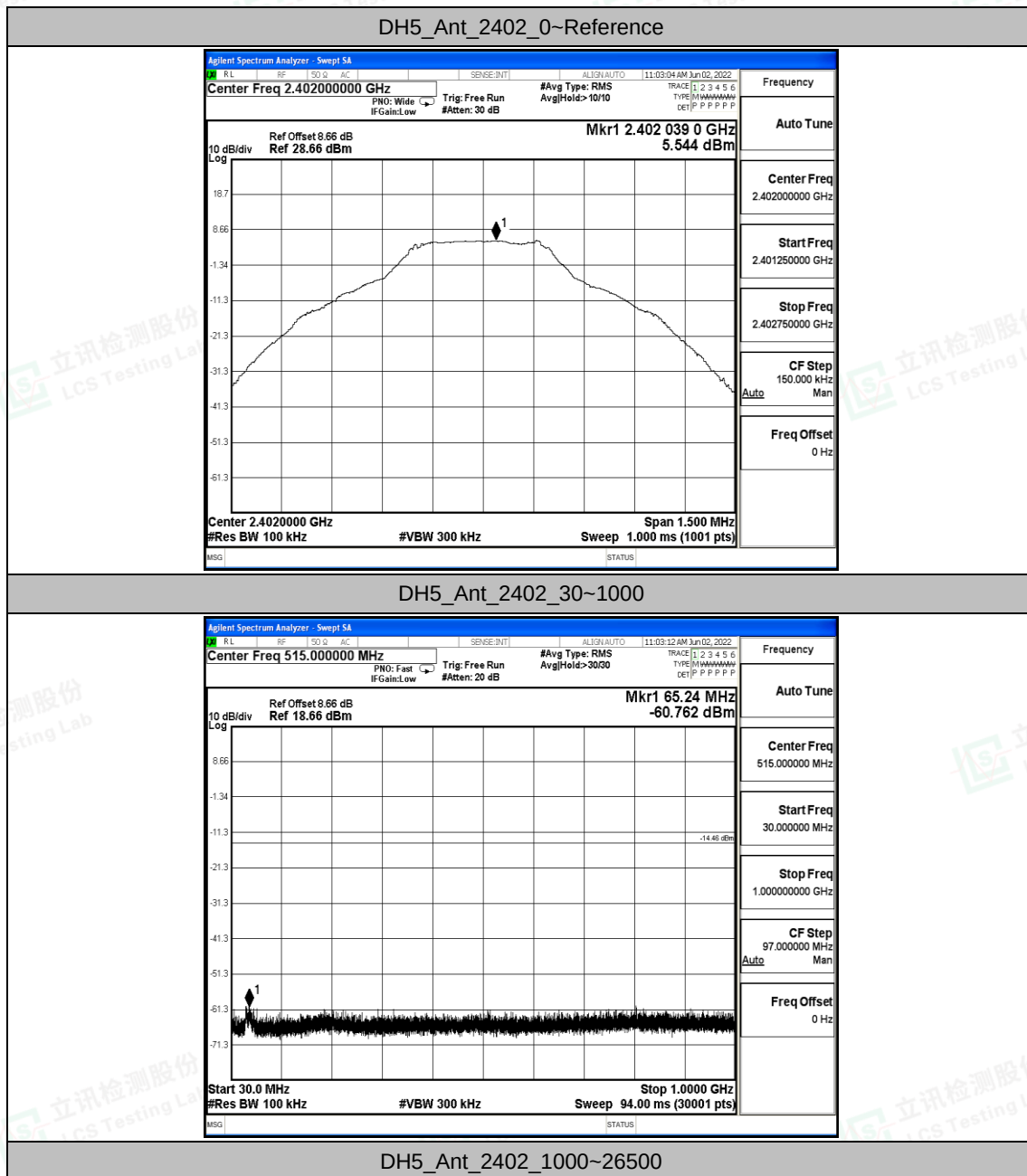
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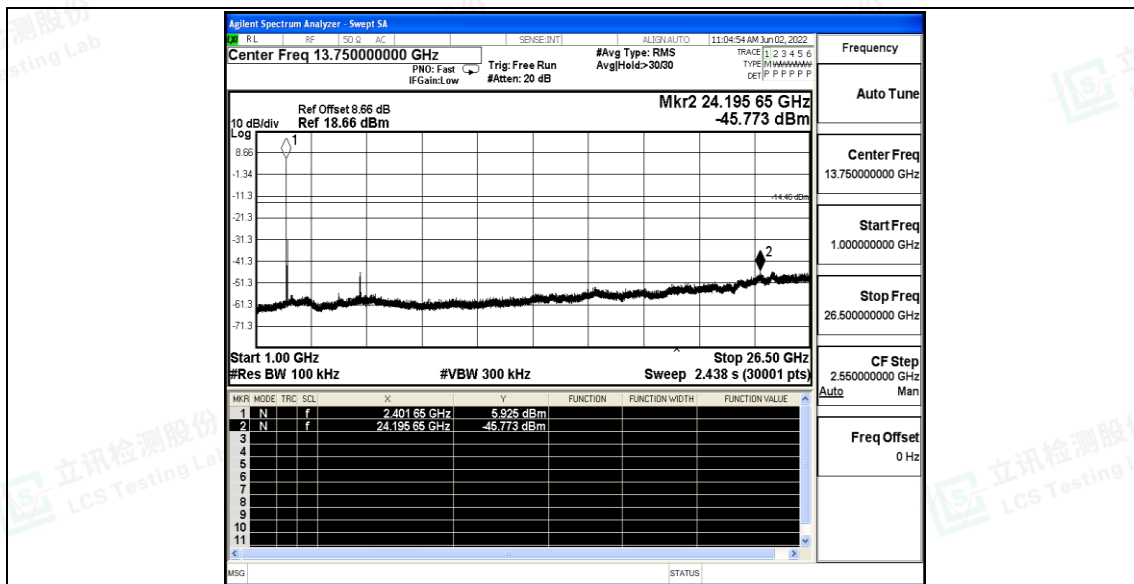
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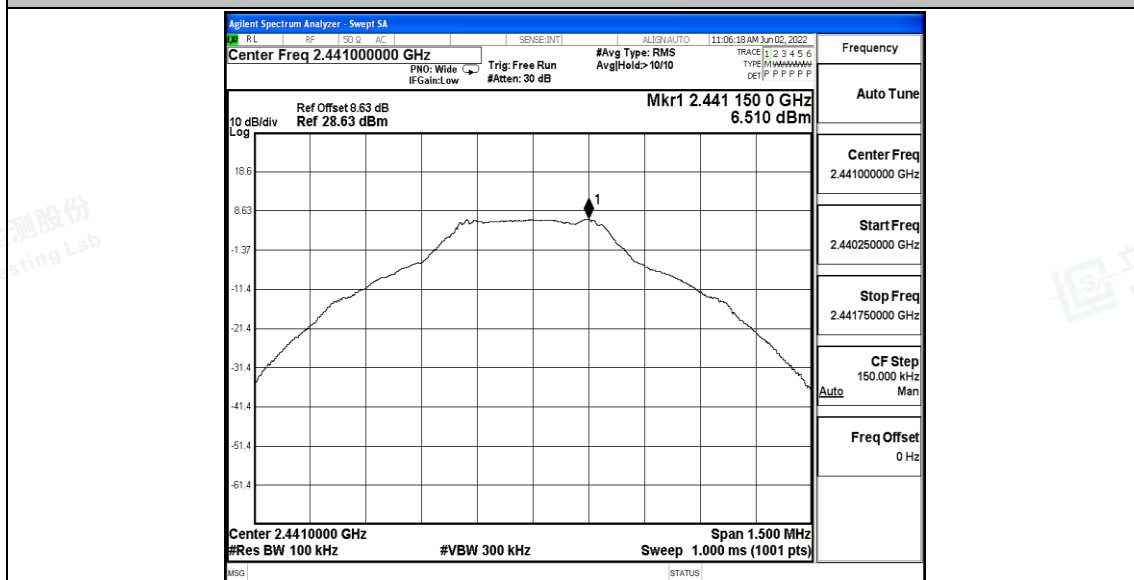


Test Graphs





DH5_Ant_2441_0~Reference



DH5_Ant_2441_30~1000

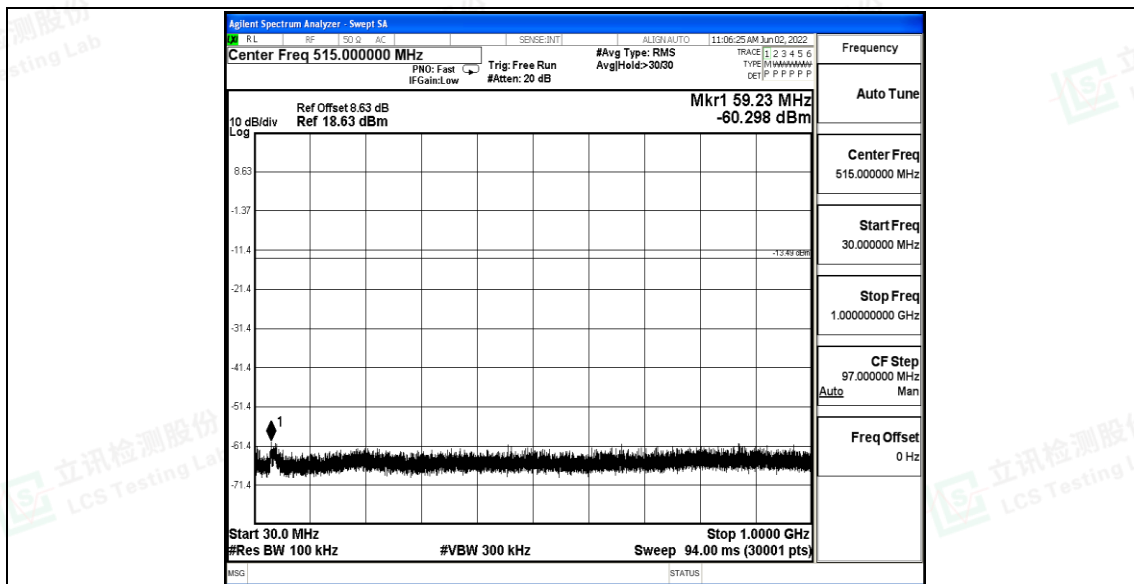


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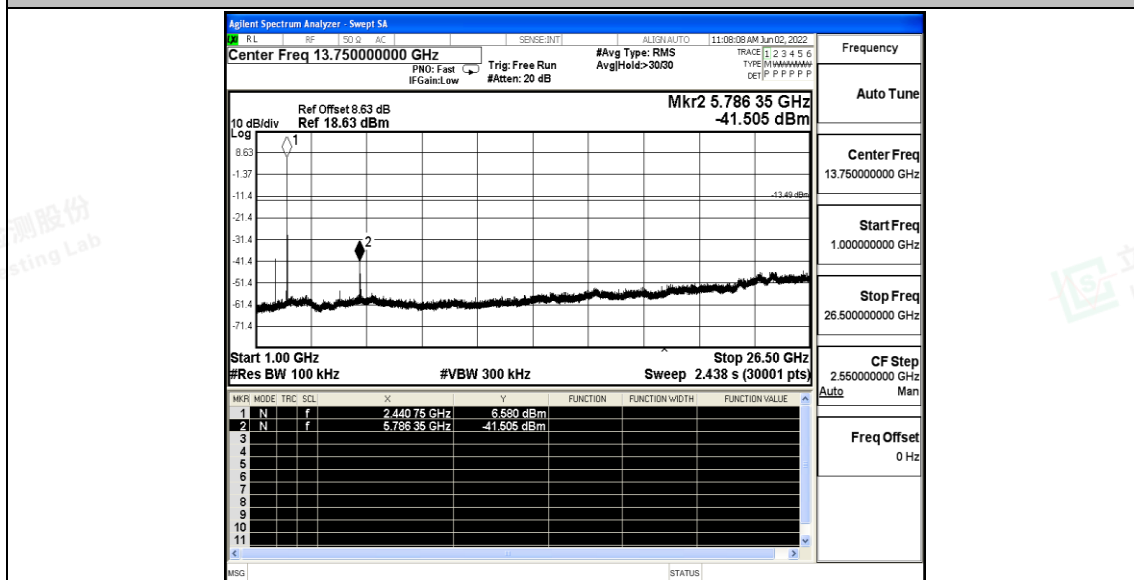
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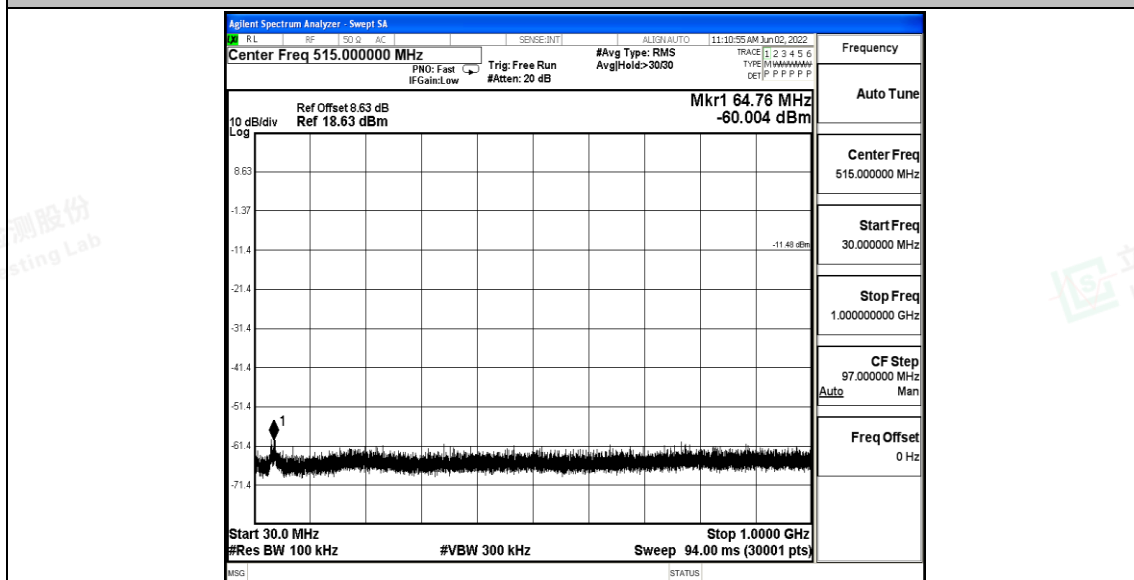
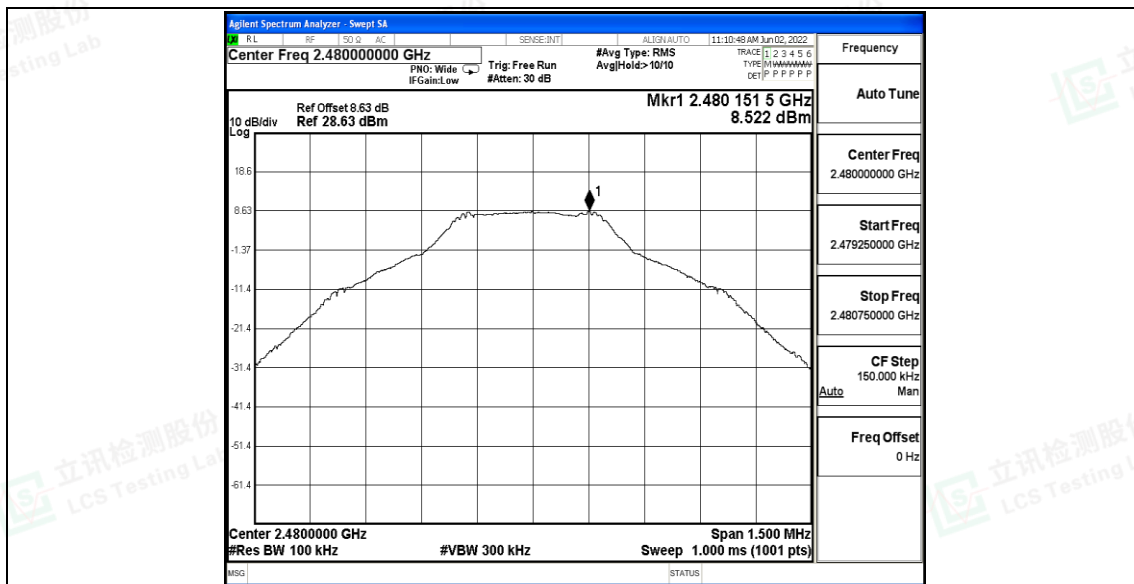


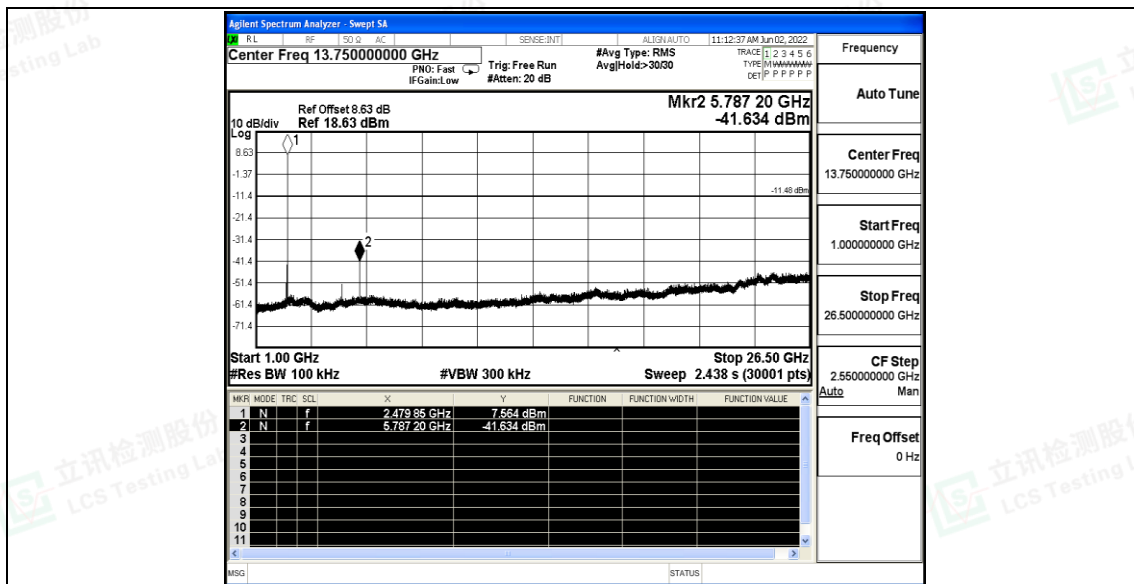
DH5_Ant_2441_1000~26500



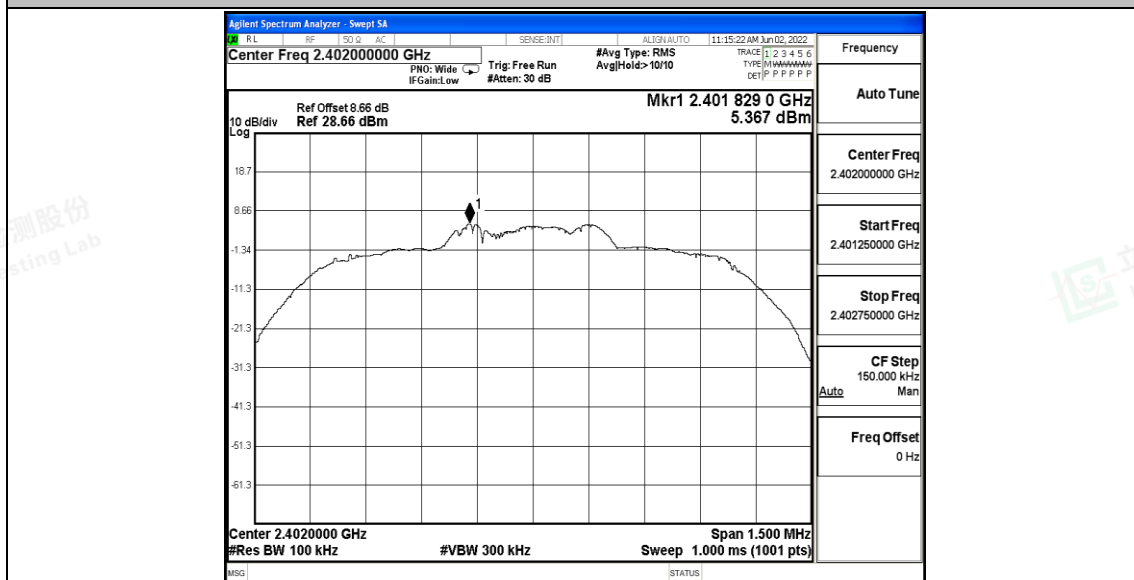
DH5_Ant_2480_0~Reference







2DH5_Ant_2402_0~Reference



2DH5_Ant_2402_30~1000

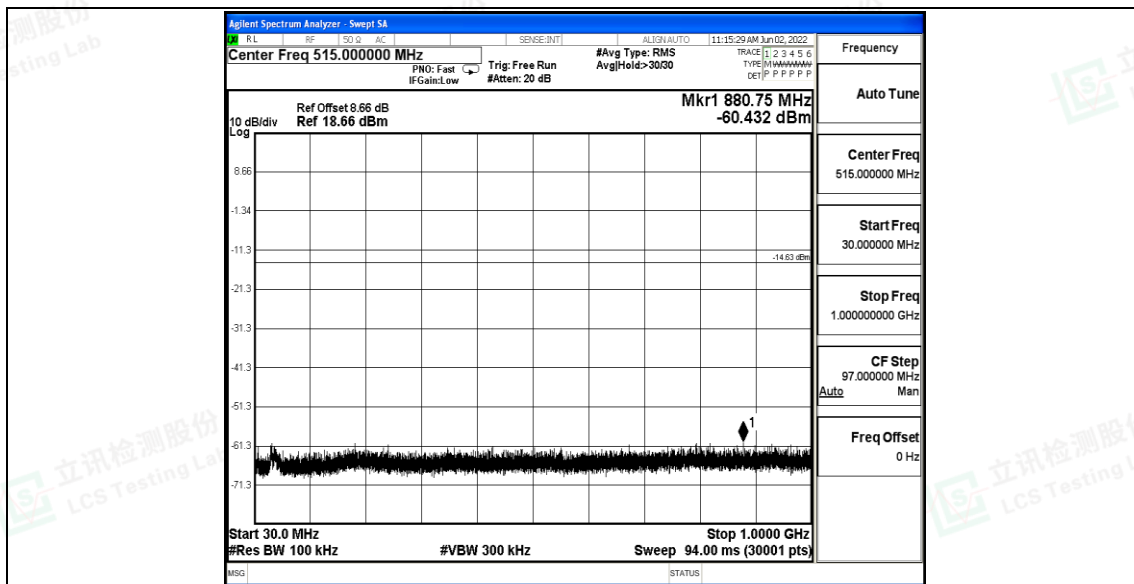


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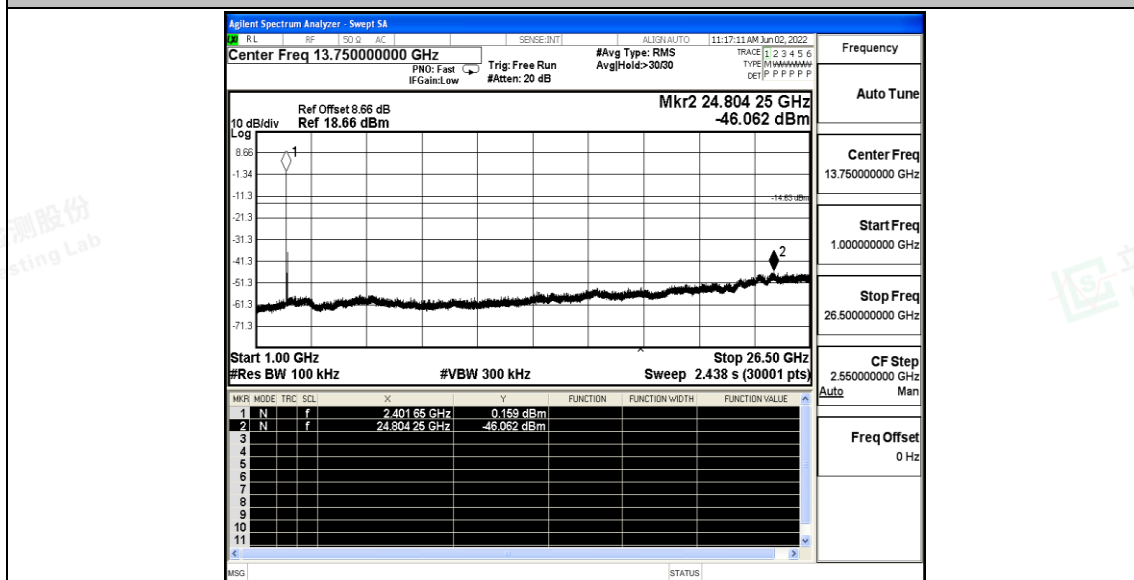
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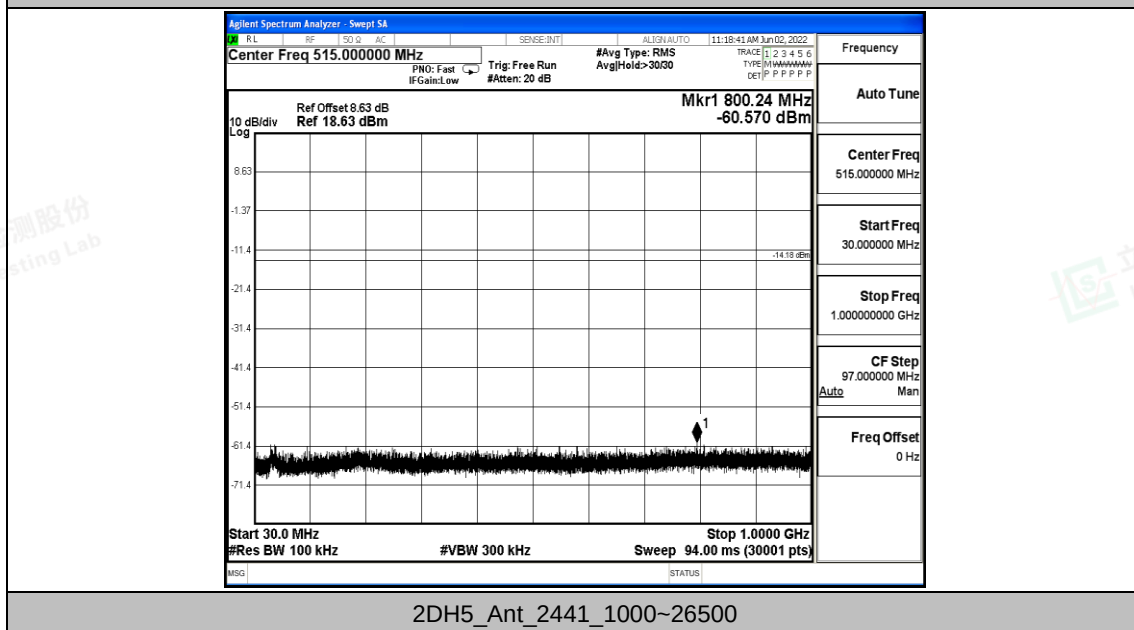
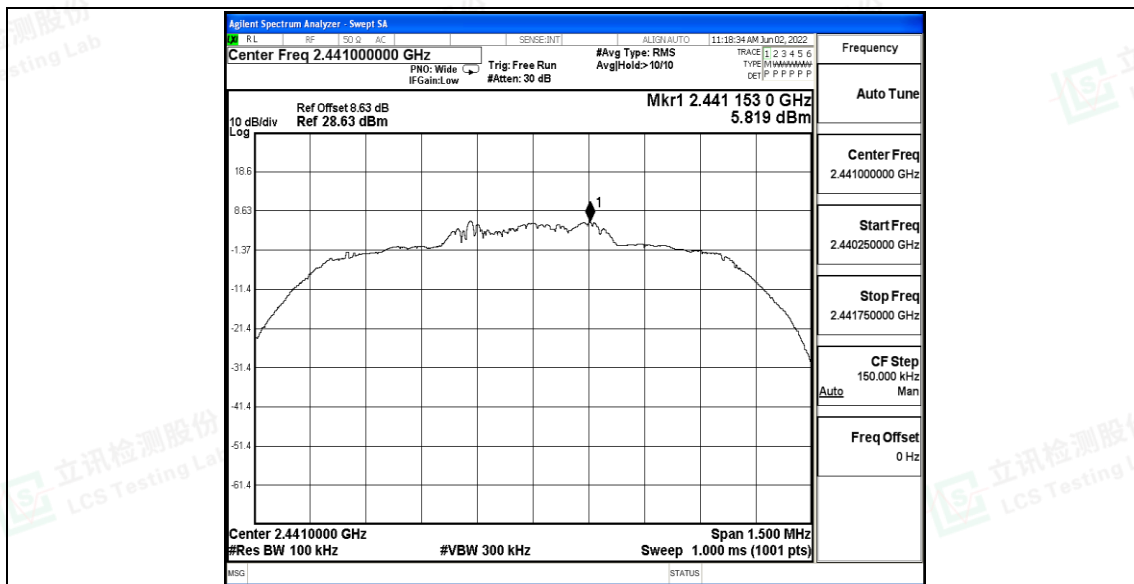


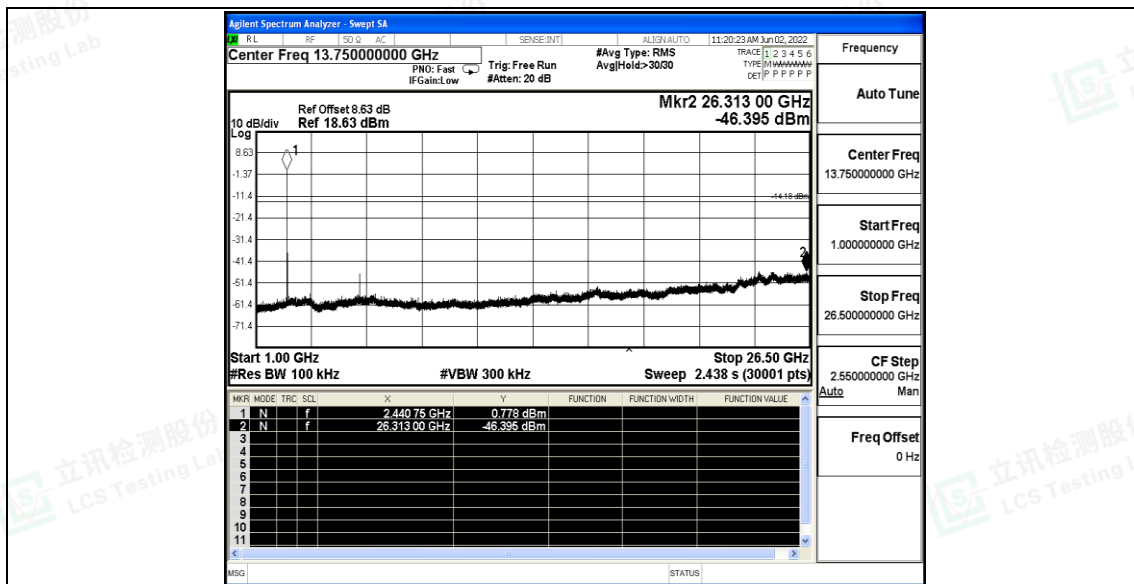
2DH5_Ant_2402_1000~26500



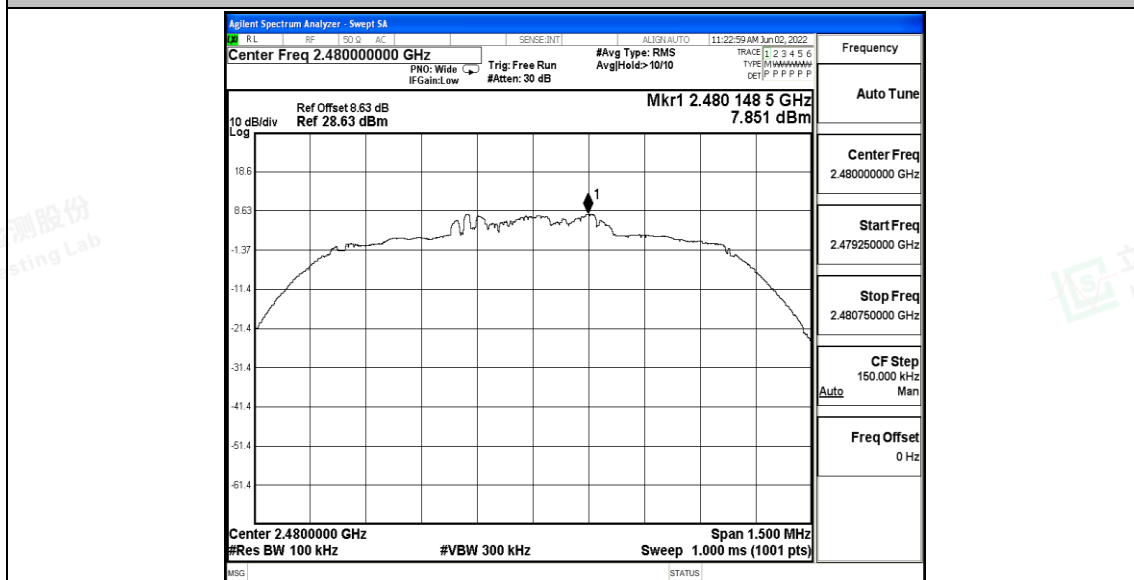
2DH5_Ant_2441_0~Reference







2DH5_Ant_2480_0~Reference



2DH5_Ant_2480_30~1000

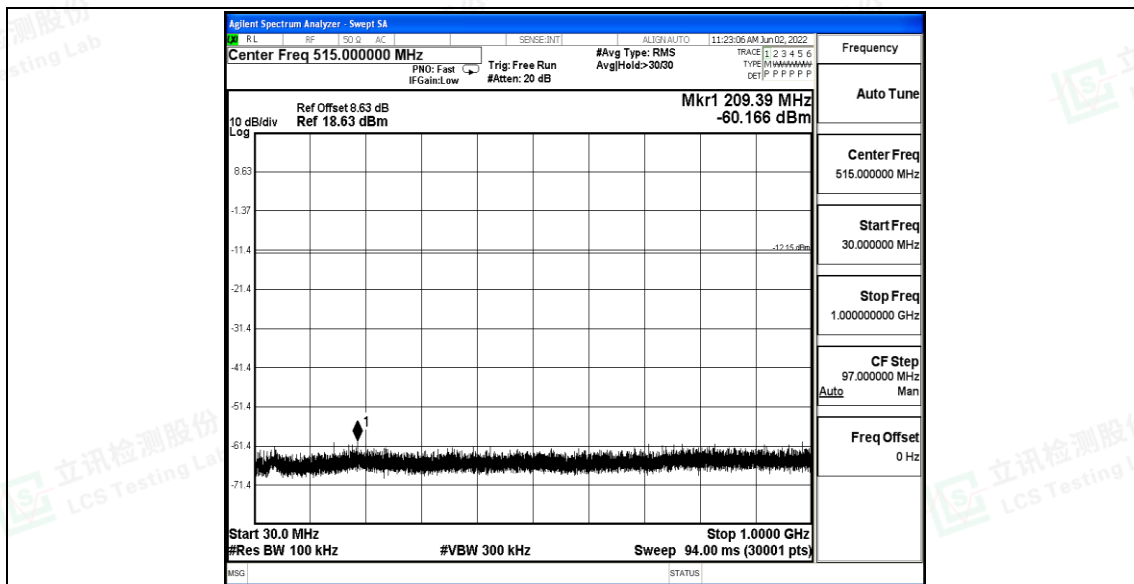


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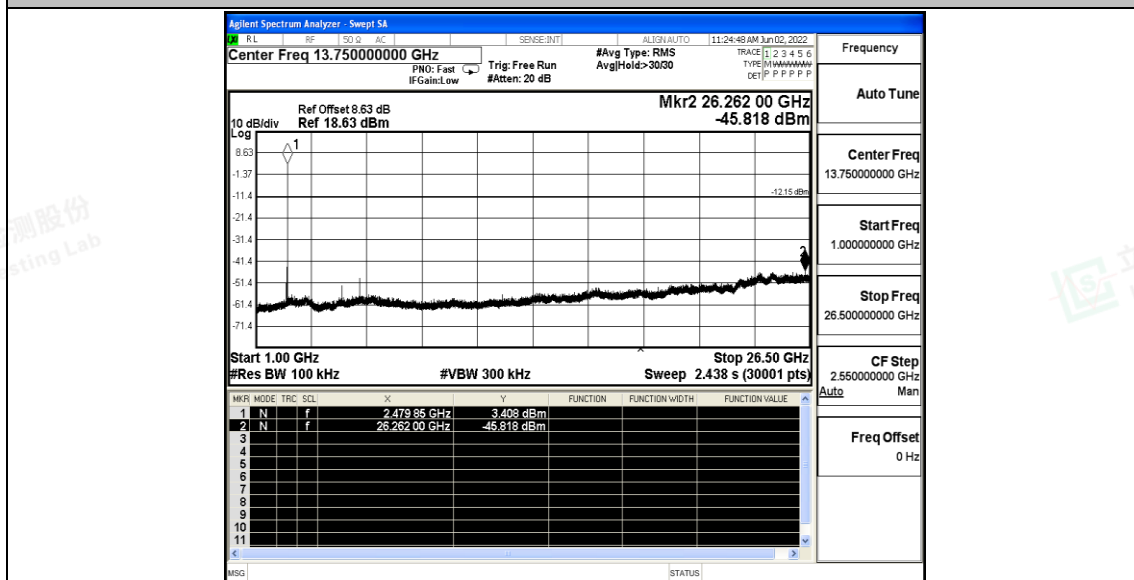
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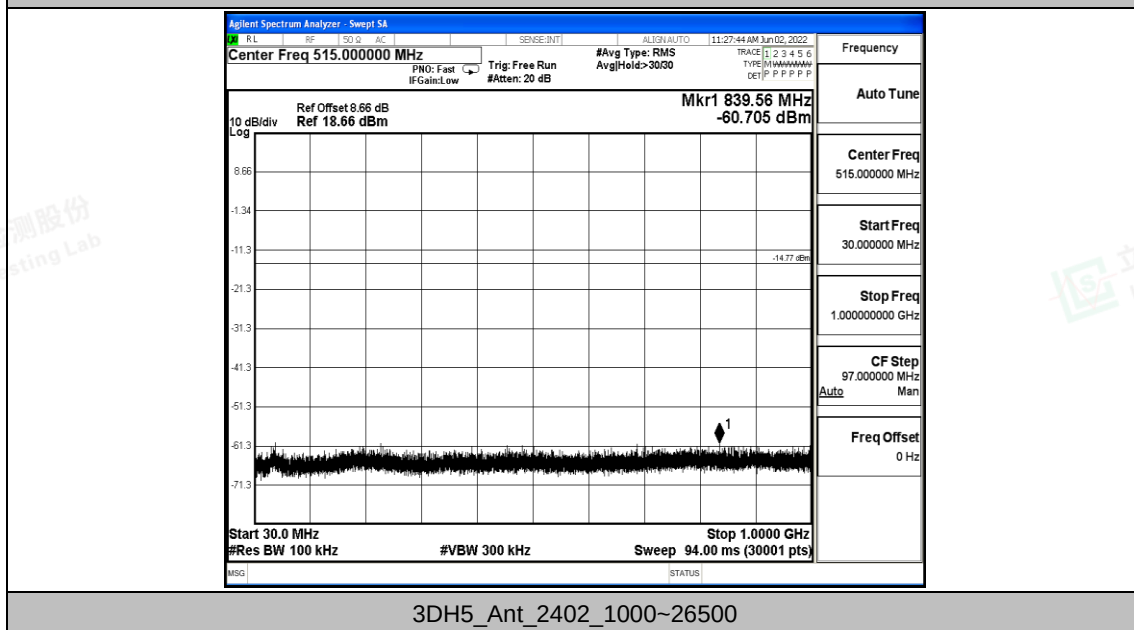
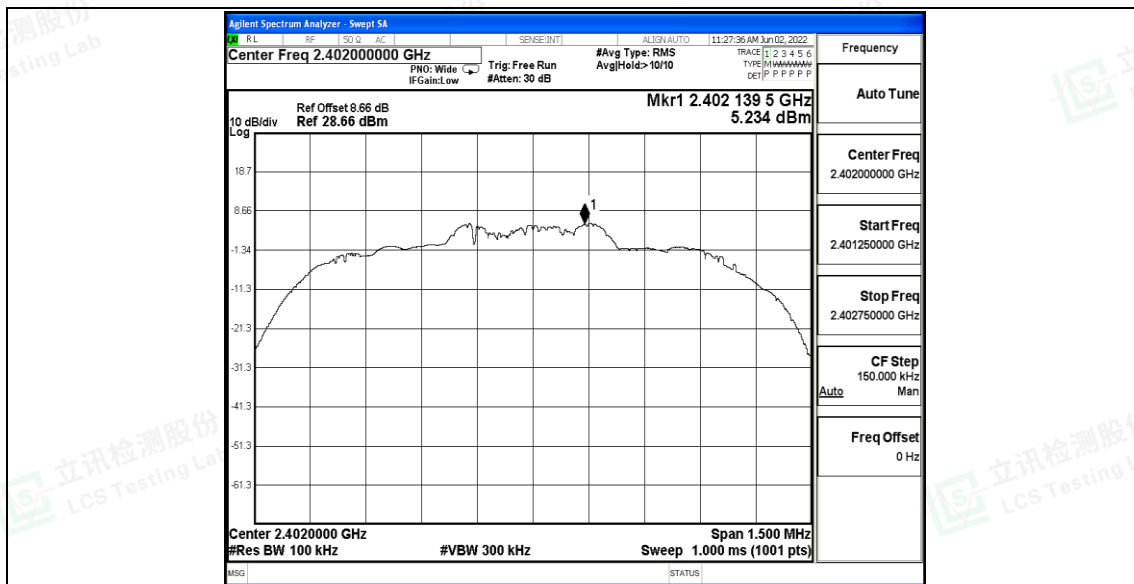


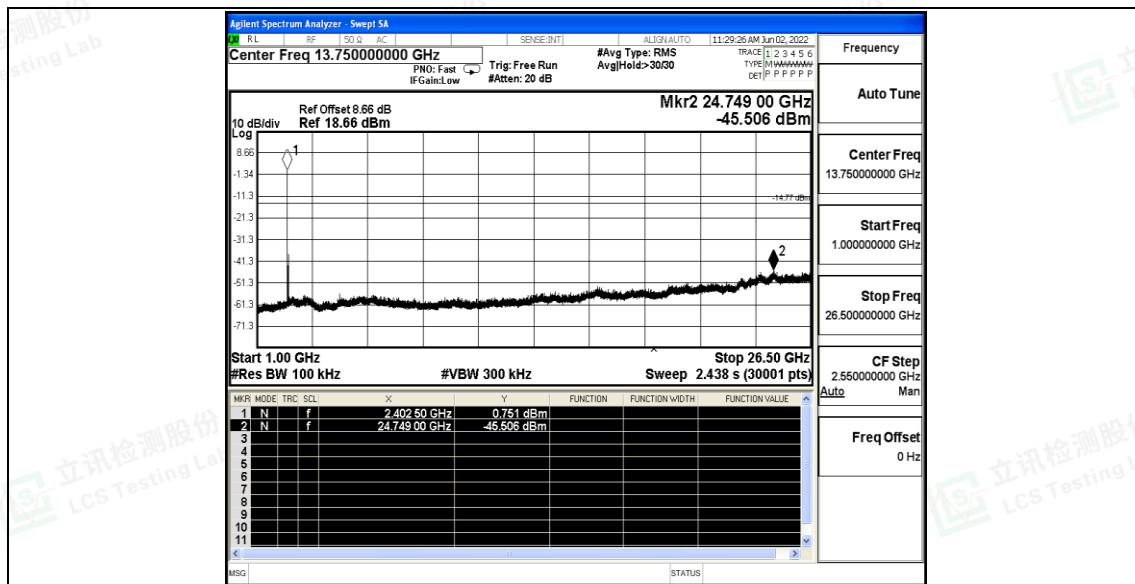
2DH5_Ant_2480_1000~26500



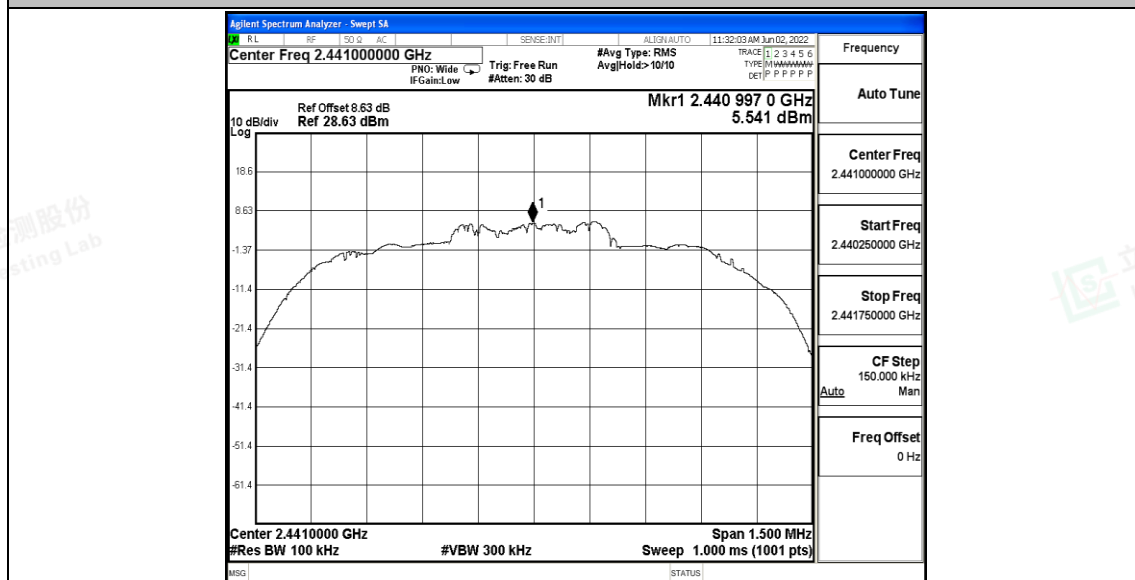
3DH5_Ant_2402_0~Reference







3DH5_Ant_2441_0~Reference



3DH5_Ant_2441_30~1000

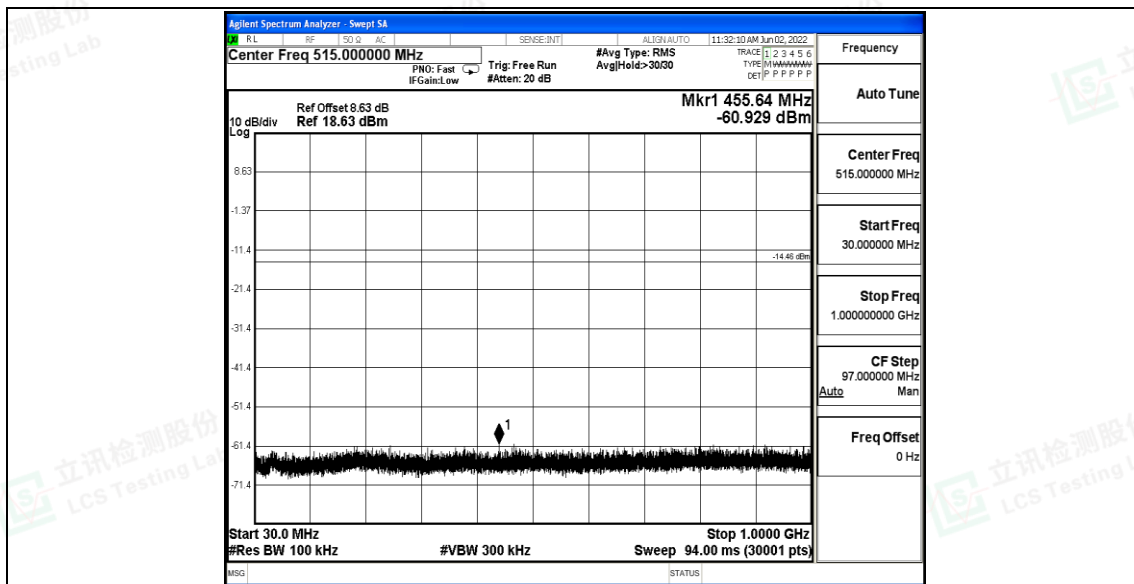


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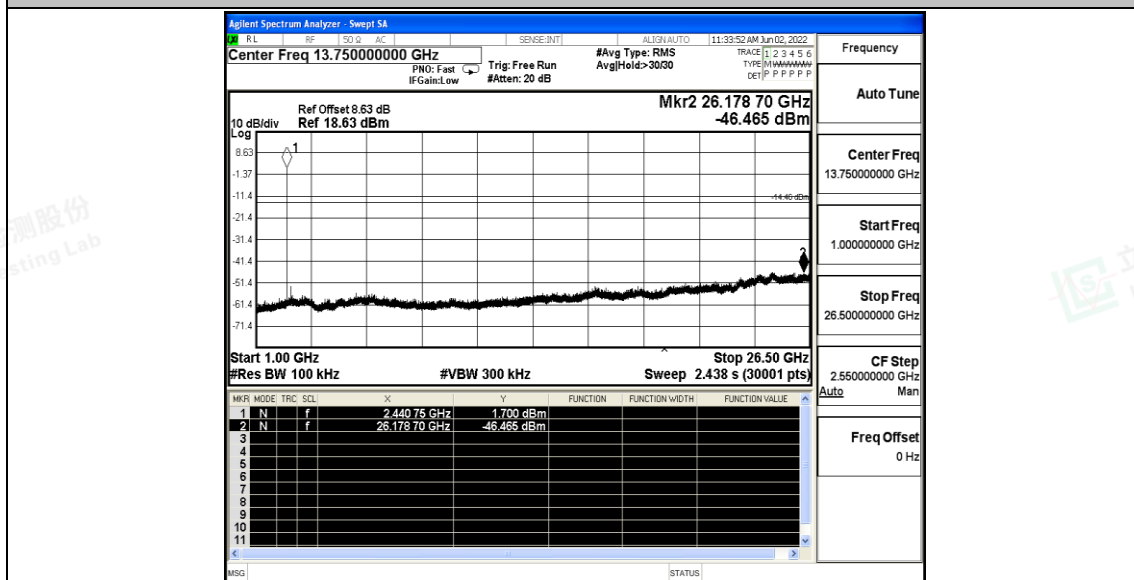
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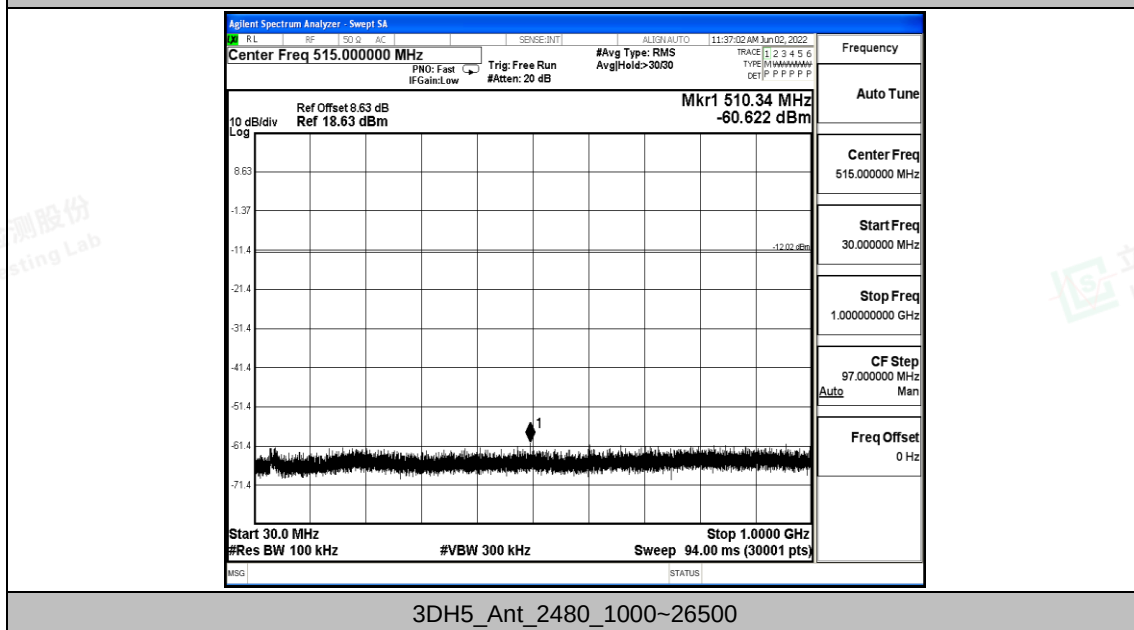
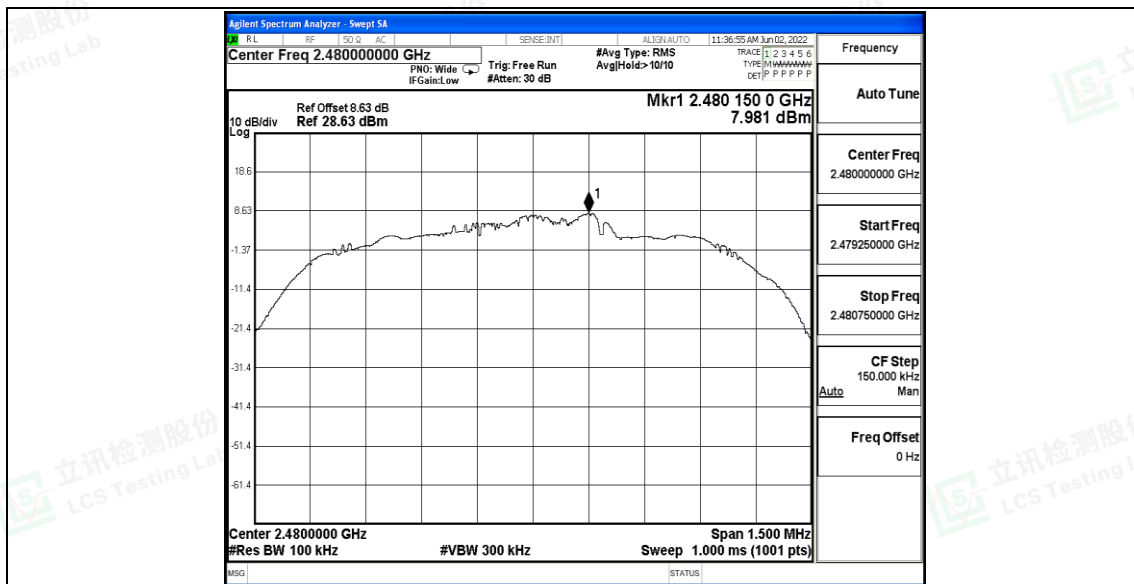


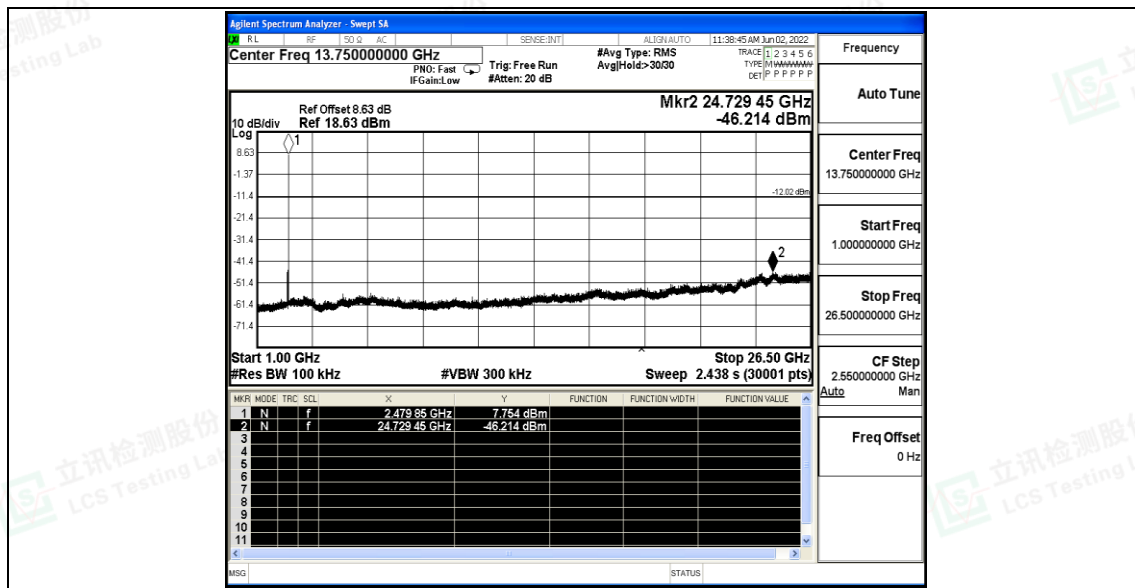
3DH5_Ant_2441_1000~26500



3DH5_Ant_2480_0~Reference









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	Ant	Low	2402	AV	2310.000	-48.29	≤-41.20	46.91	≤54	PASS
				AV	2386.415	-47.79	≤-41.20	47.41	≤54	PASS
				AV	2390.000	-47.98	≤-41.20	47.22	≤54	PASS
				Peak	2310.000	-38.51	≤-21.20	56.69	≤74	PASS
				Peak	2386.835	-36.83	≤-21.20	58.37	≤74	PASS
				Peak	2390.000	-38.47	≤-21.20	56.73	≤74	PASS
		High	2480	AV	2483.500	-46.19	≤-41.20	49.01	≤54	PASS
				AV	2483.520	-46.18	≤-41.20	49.02	≤54	PASS
				AV	2500.000	-47.35	≤-41.20	47.85	≤54	PASS
				Peak	2483.500	-36.74	≤-21.20	58.46	≤74	PASS
				Peak	2496.080	-36.06	≤-21.20	59.14	≤74	PASS
				Peak	2500.000	-38.1	≤-21.20	57.10	≤74	PASS
2DH5	Ant	Low	2402	AV	2310.000	-48.38	≤-41.20	46.82	≤54	PASS
				AV	2379.485	-47.8	≤-41.20	47.40	≤54	PASS
				AV	2390.000	-48.04	≤-41.20	47.16	≤54	PASS
				Peak	2310.000	-37.45	≤-21.20	57.75	≤74	PASS
				Peak	2381.165	-36.52	≤-21.20	58.68	≤74	PASS
				Peak	2390.000	-38.48	≤-21.20	56.72	≤74	PASS
		High	2480	AV	2483.500	-45.84	≤-41.20	49.36	≤54	PASS
				AV	2483.520	-45.84	≤-41.20	49.36	≤54	PASS
				AV	2500.000	-47.46	≤-41.20	47.74	≤54	PASS
				Peak	2483.500	-37.66	≤-21.20	57.54	≤74	PASS
				Peak	2485.200	-36.37	≤-21.20	58.83	≤74	PASS
				Peak	2500.000	-38.01	≤-21.20	57.19	≤74	PASS
3DH5	Ant	Low	2402	AV	2310.000	-48.39	≤-41.20	46.81	≤54	PASS
				AV	2385.365	-47.81	≤-41.20	47.39	≤54	PASS
				AV	2390.000	-47.98	≤-41.20	47.22	≤54	PASS
				Peak	2310.000	-38.81	≤-21.20	56.39	≤74	PASS
				Peak	2380.325	-36.78	≤-21.20	58.42	≤74	PASS
				Peak	2390.000	-39.22	≤-21.20	55.98	≤74	PASS
		High	2480	AV	2483.500	-45.78	≤-41.20	49.42	≤54	PASS
				AV	2483.520	-45.78	≤-41.20	49.42	≤54	PASS
				AV	2500.000	-47.37	≤-41.20	47.83	≤54	PASS
				Peak	2483.500	-37.69	≤-21.20	57.51	≤74	PASS
				Peak	2497.040	-36.4	≤-21.20	58.80	≤74	PASS



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				Peak	2500.000	-38.21	≤-21.20	56.99	≤74	PASS
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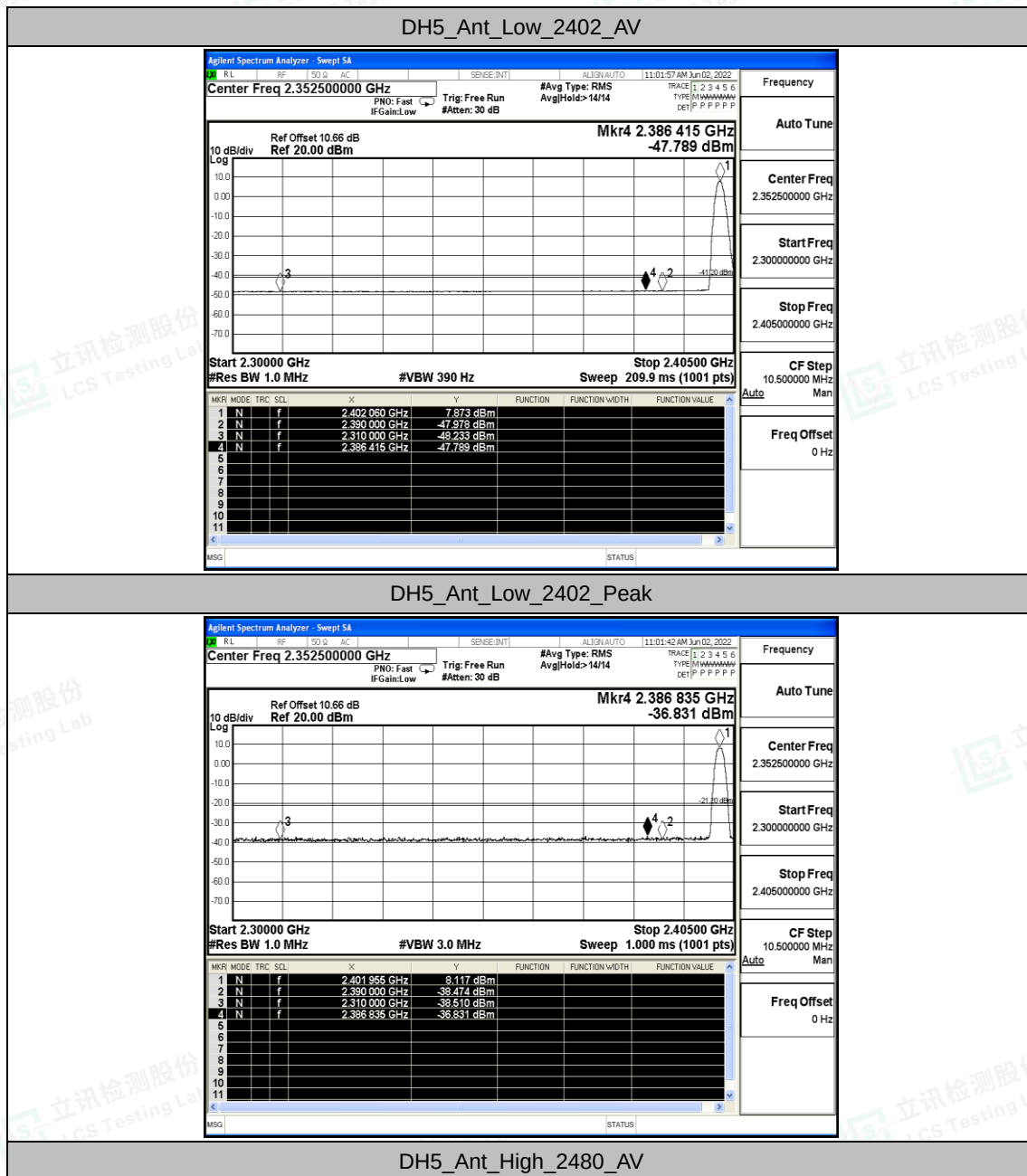
Note:

- 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.





Test Graphs

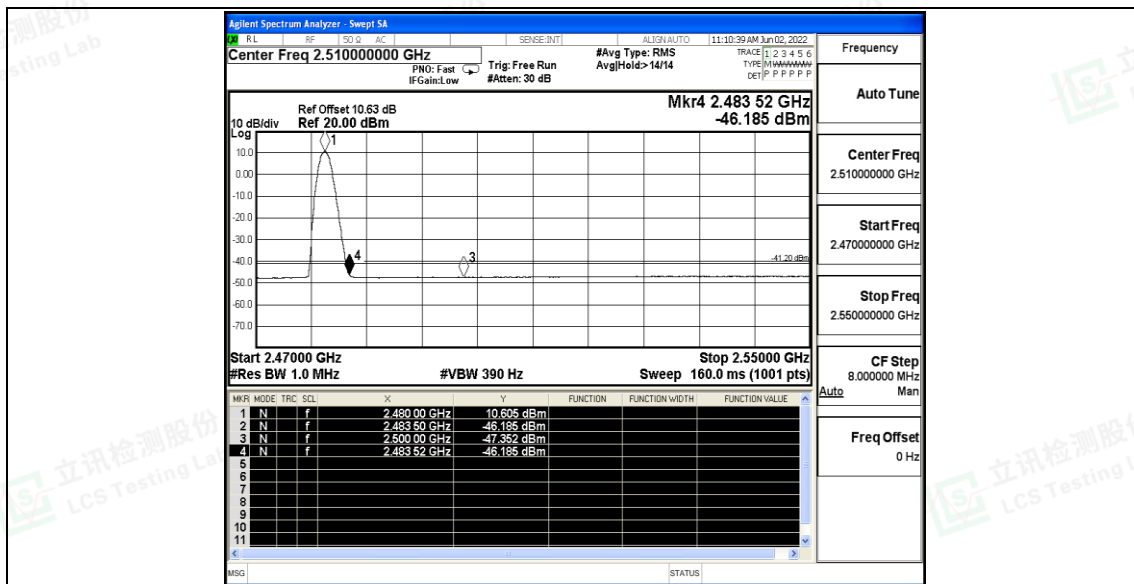


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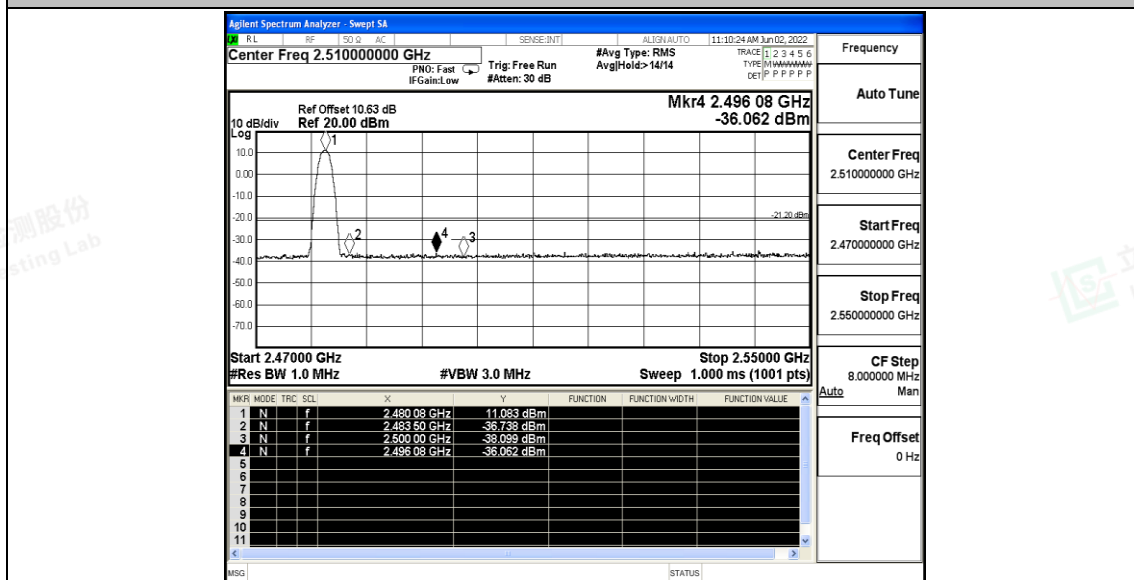
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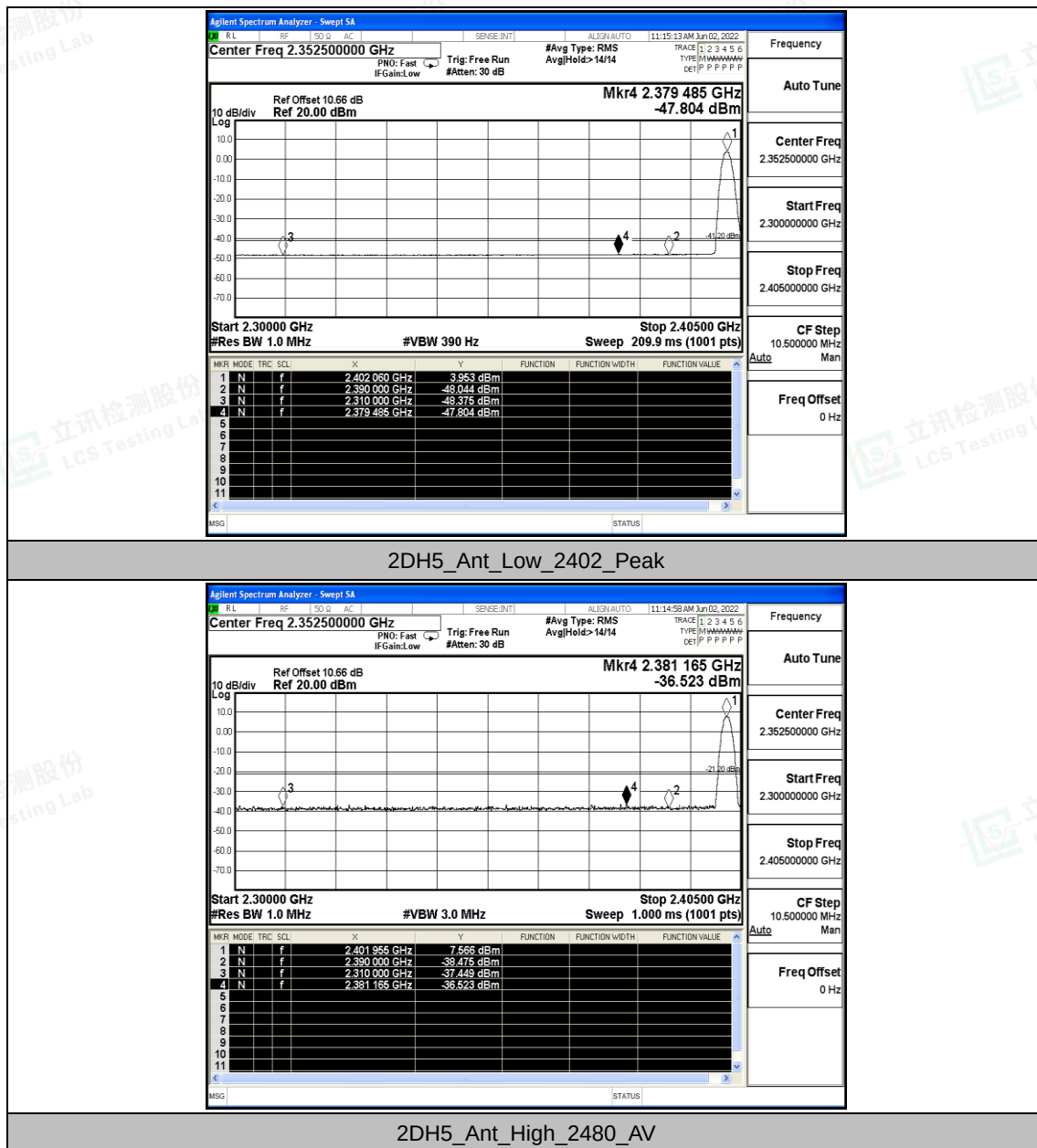


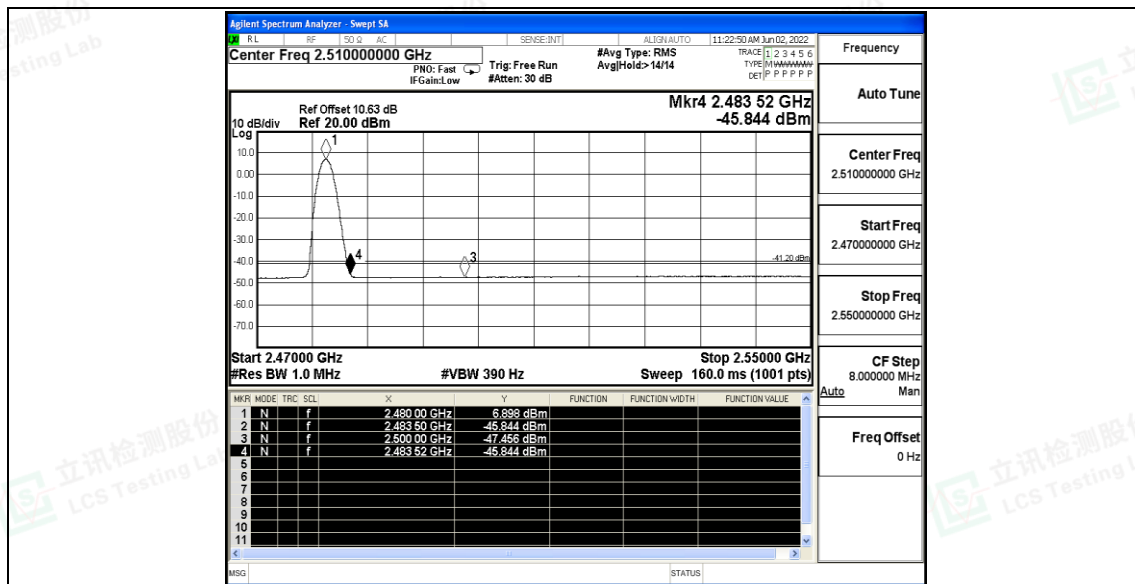
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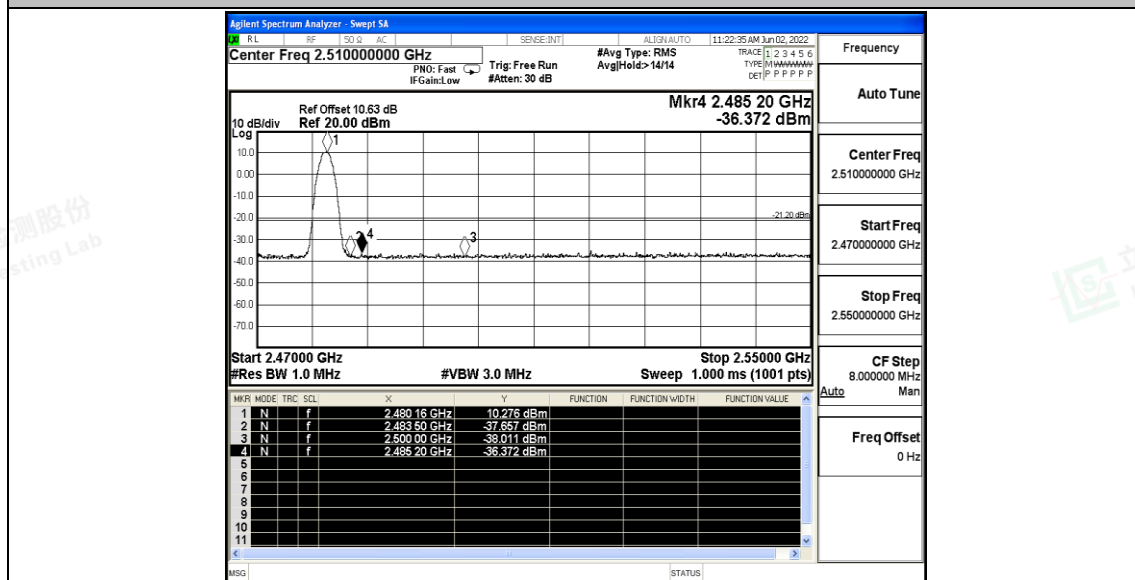
2DH5_Ant_Low_2402_AV







2DH5_Ant_High_2480_Peak



3DH5_Ant_Low_2402_AV

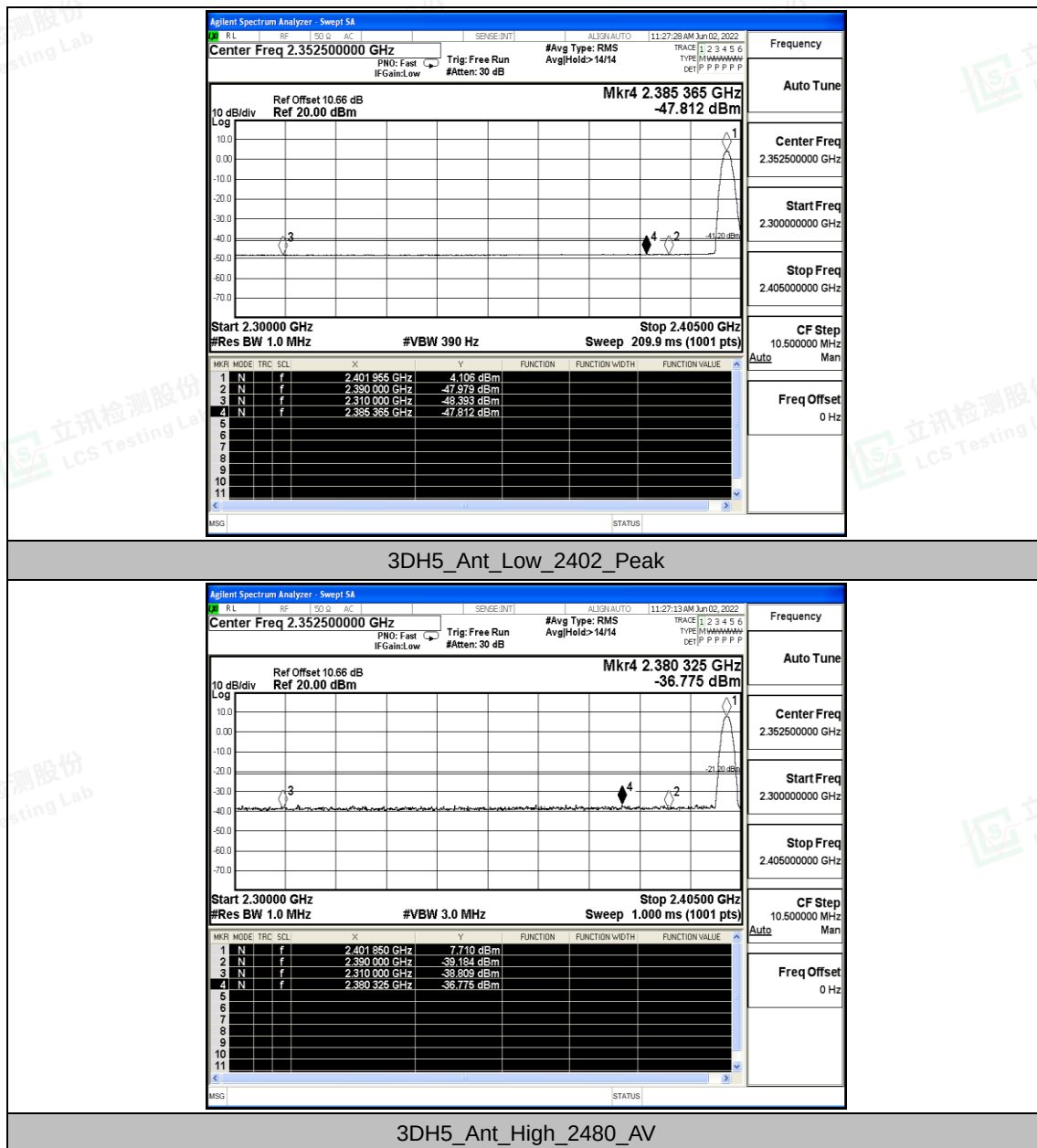


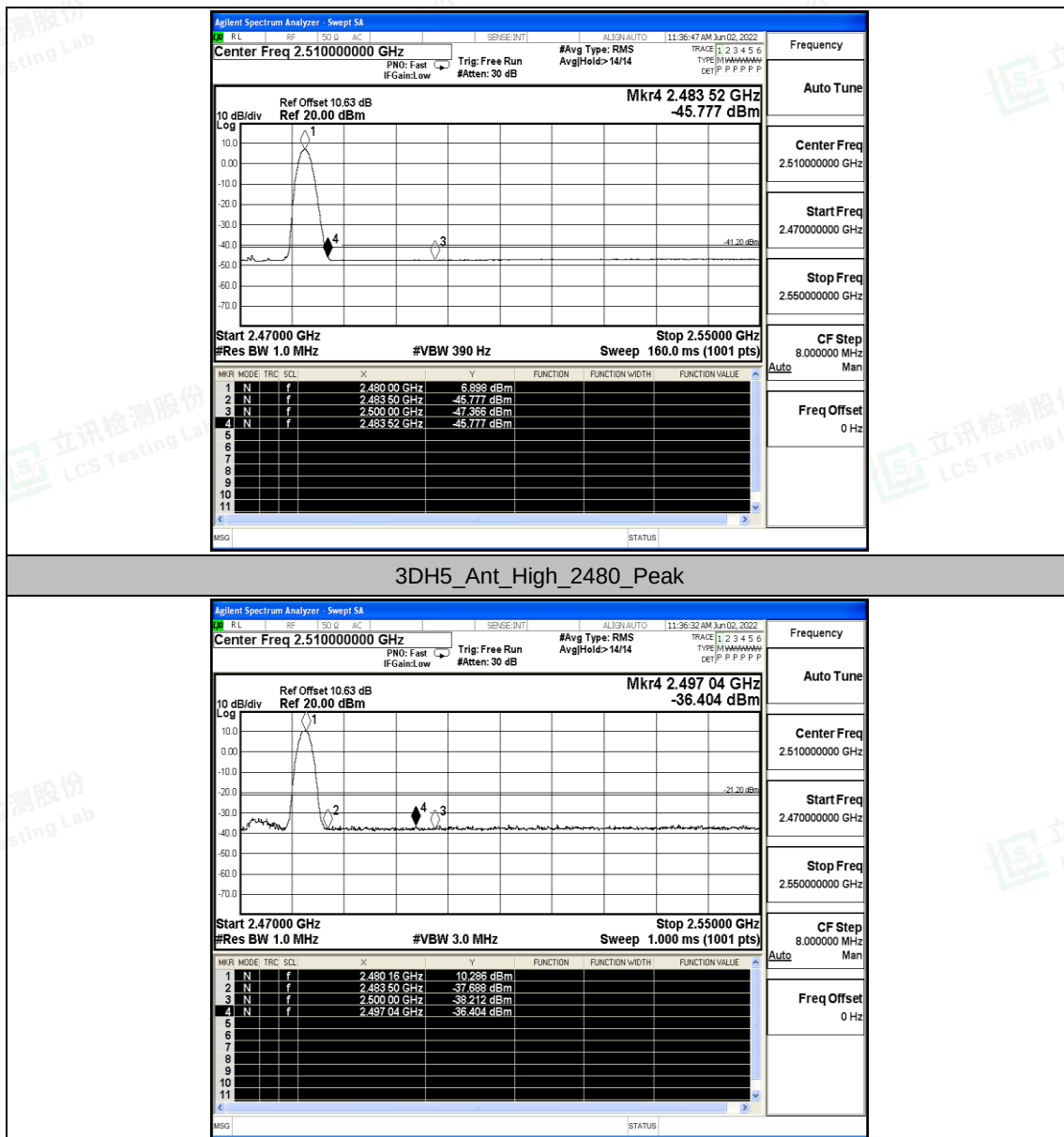
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