



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: TABLET PC

Test Model: BELLATRIX

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	<i>Taylor Hu</i> Taylor Hu
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	Ant	2402	0.843	2401.571	2402.414	---
		2441	0.816	2440.592	2441.408	---
		2480	0.852	2479.562	2480.414	---
2DH5	Ant	2402	1.290	2401.361	2402.651	---
		2441	1.284	2440.364	2441.648	---
		2480	1.281	2479.370	2480.651	---
3DH5	Ant	2402	1.275	2401.364	2402.639	---
		2441	1.287	2440.352	2441.639	---
		2480	1.320	2479.340	2480.660	---

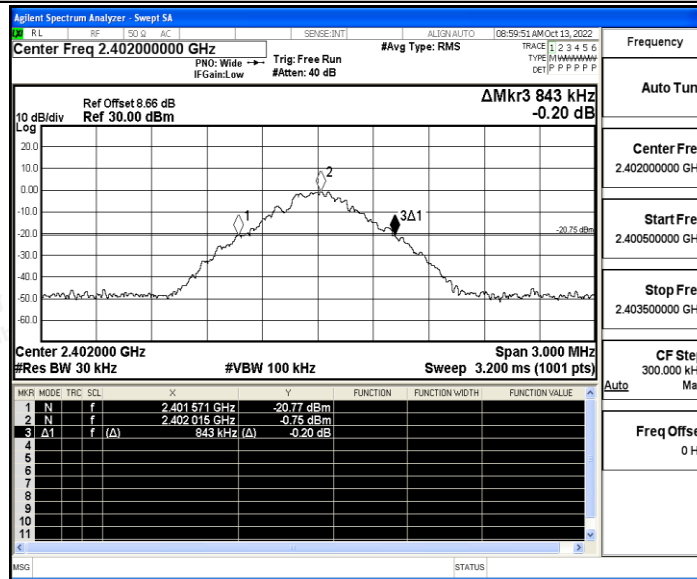


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Scan code to check authenticity

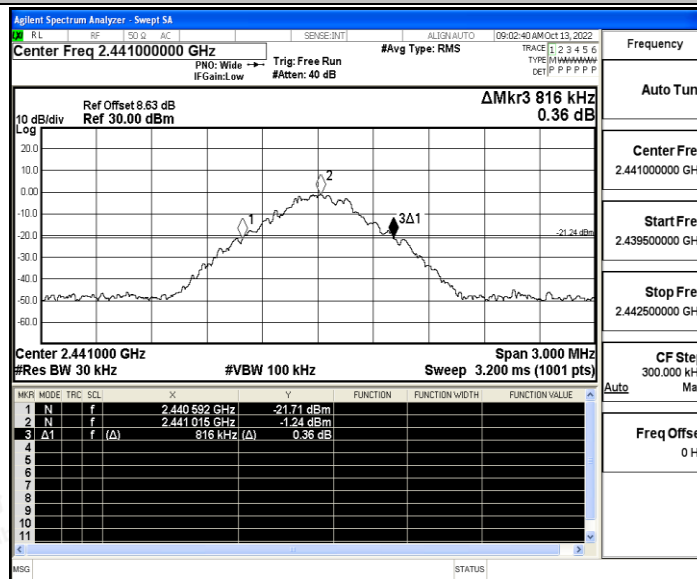


Test Graphs

DH5_Ant_2402

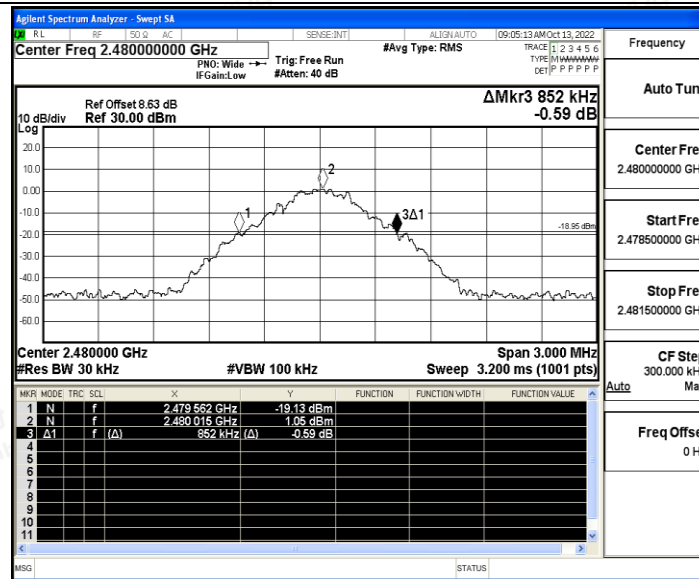


DH5_Ant_2441

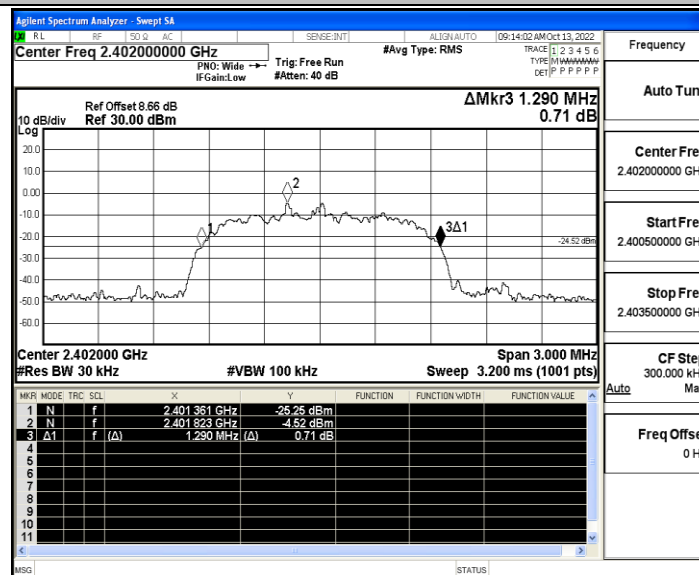


DH5_Ant_2480



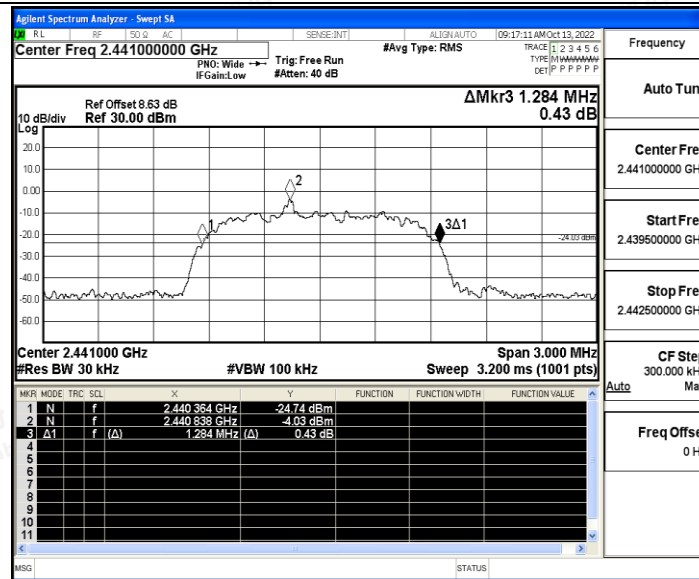


2DH5_Ant_2402

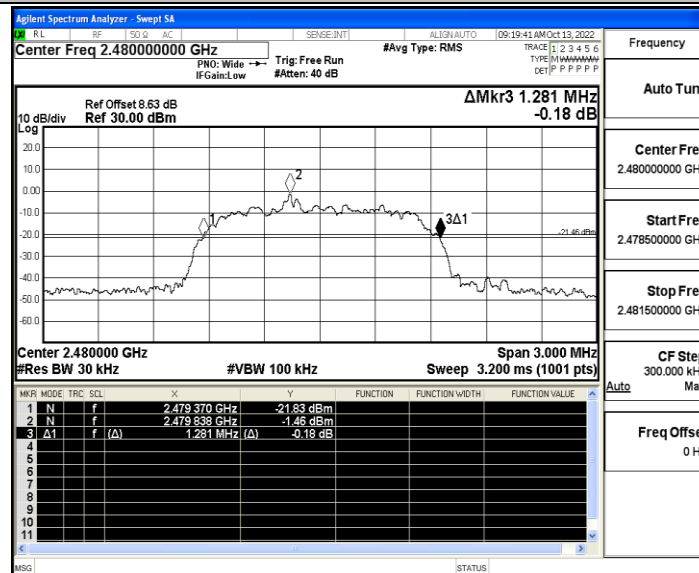


2DH5_Ant_2441



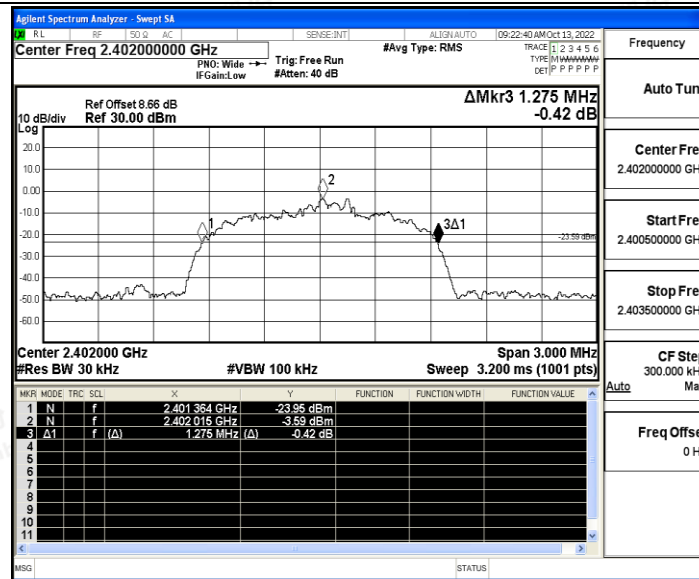


2DH5_Ant_2480

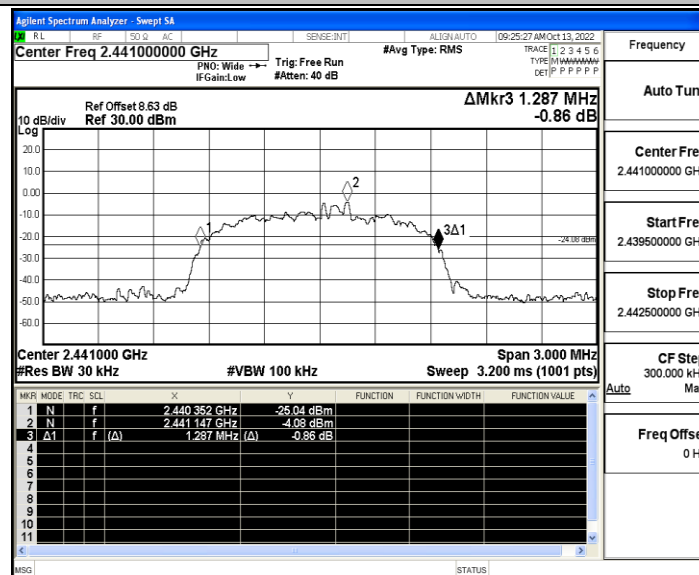


3DH5_Ant_2402



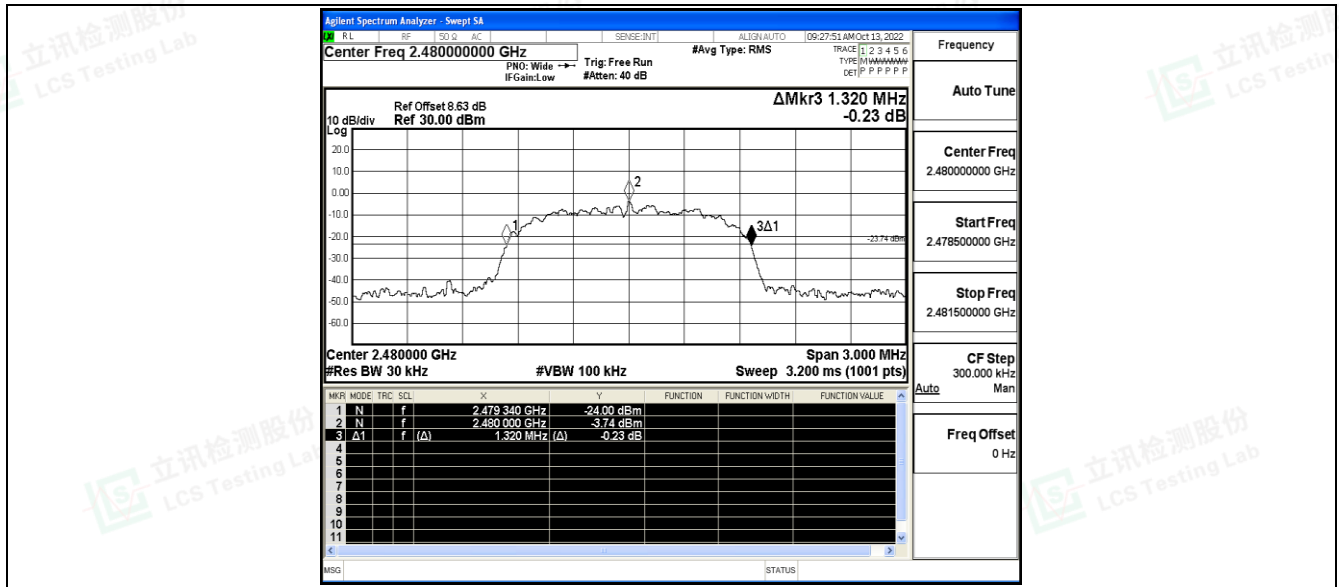


3DH5_Ant_2441



3DH5_Ant_2480







A.2 Maximum conducted output power

Test Result

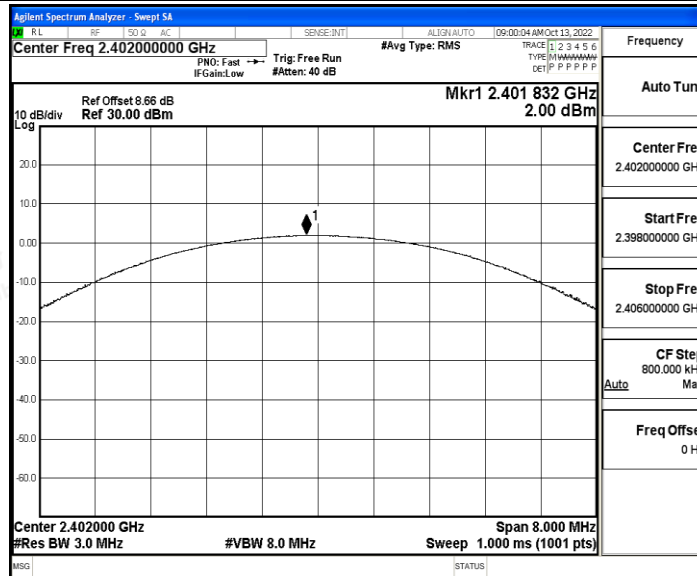
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant	2402	2.00	≤20.97	PASS
		2441	1.56	≤20.97	PASS
		2480	3.80	≤20.97	PASS
2DH5	Ant	2402	0.75	≤20.97	PASS
		2441	0.57	≤20.97	PASS
		2480	3.04	≤20.97	PASS
3DH5	Ant	2402	0.49	≤20.97	PASS
		2441	0.44	≤20.97	PASS
		2480	2.93	≤20.97	PASS



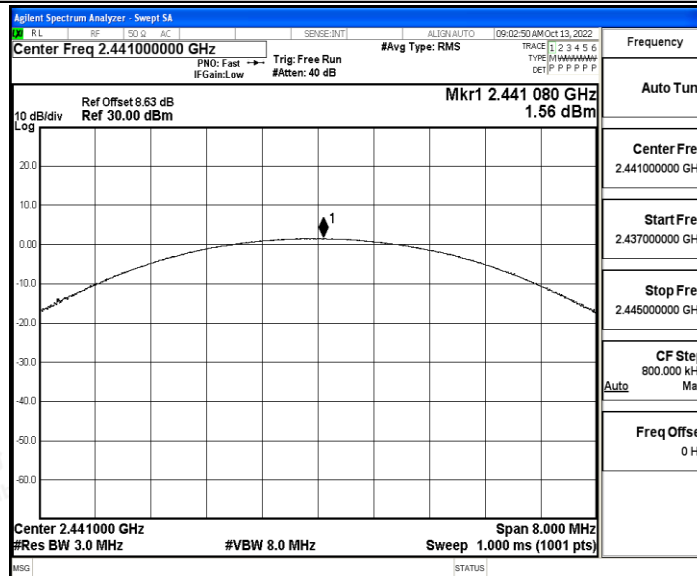


Test Graphs

DH5_Ant_2402

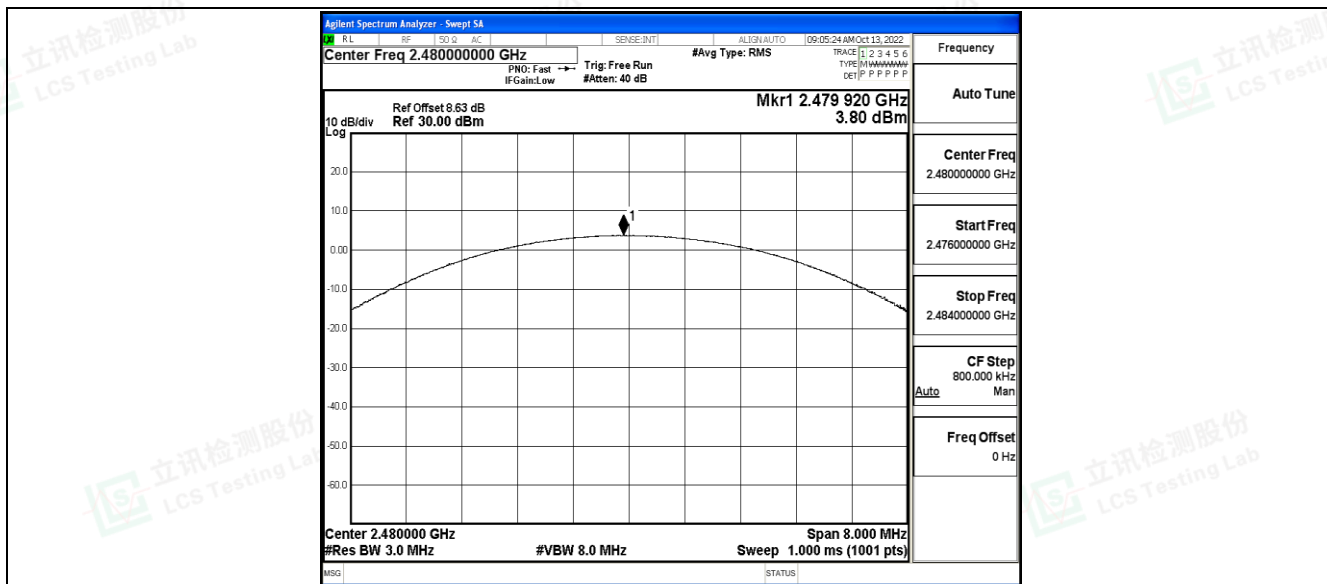


DH5_Ant_2441

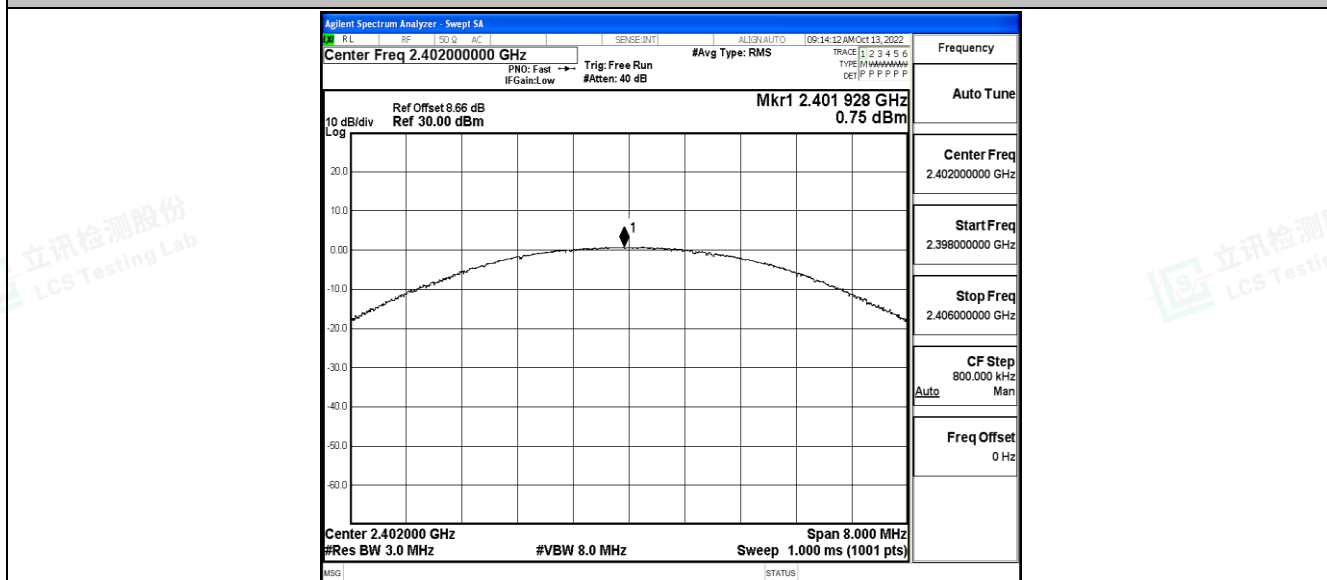


DH5_Ant_2480



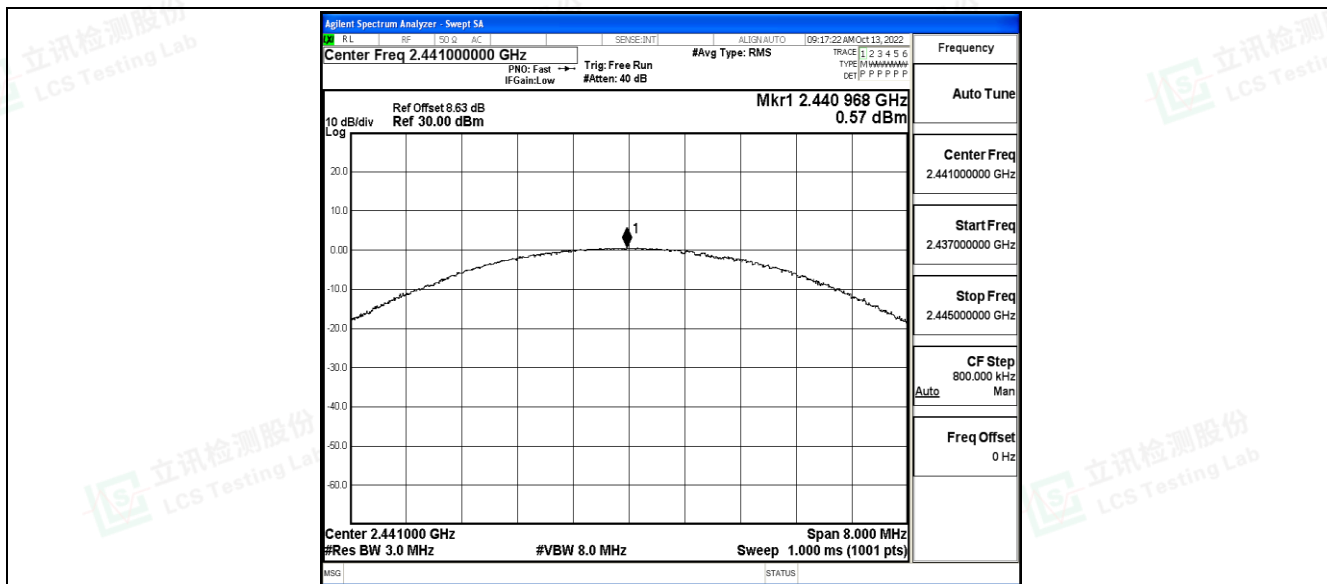


2DH5_Ant_2402

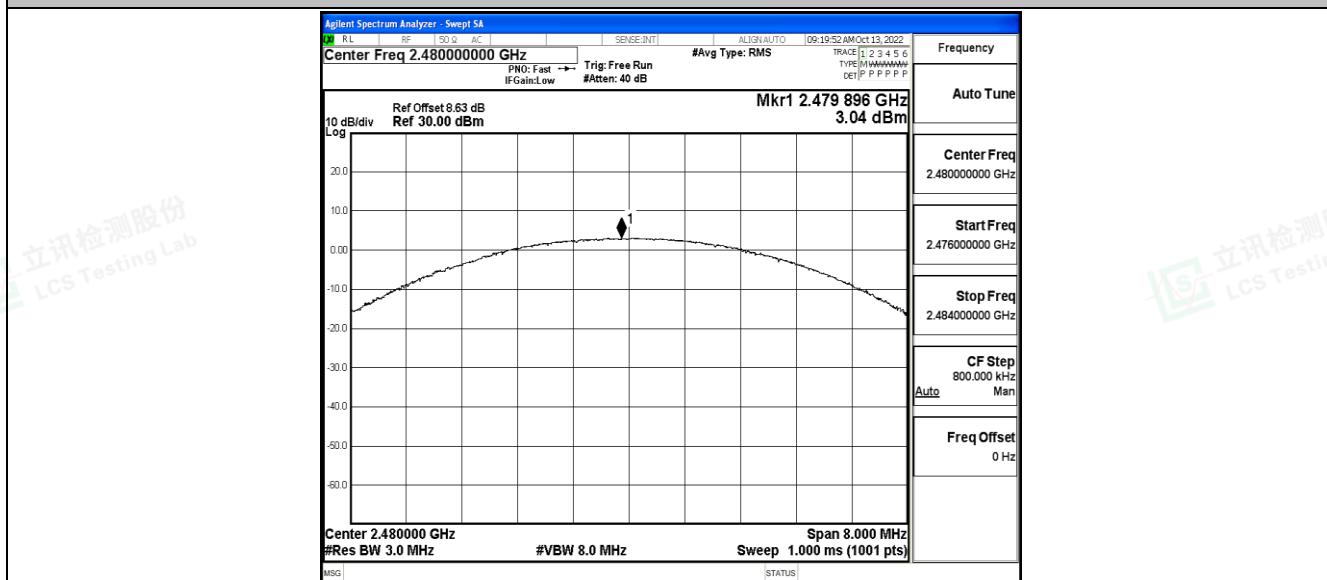


2DH5_Ant_2441



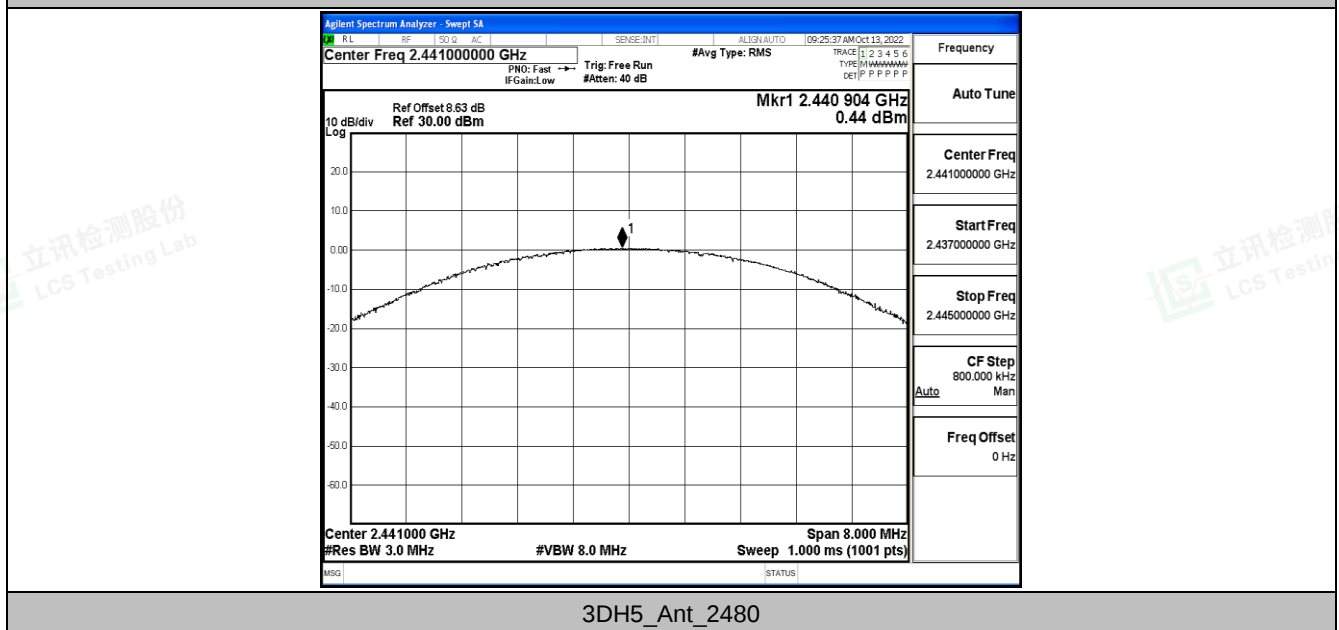
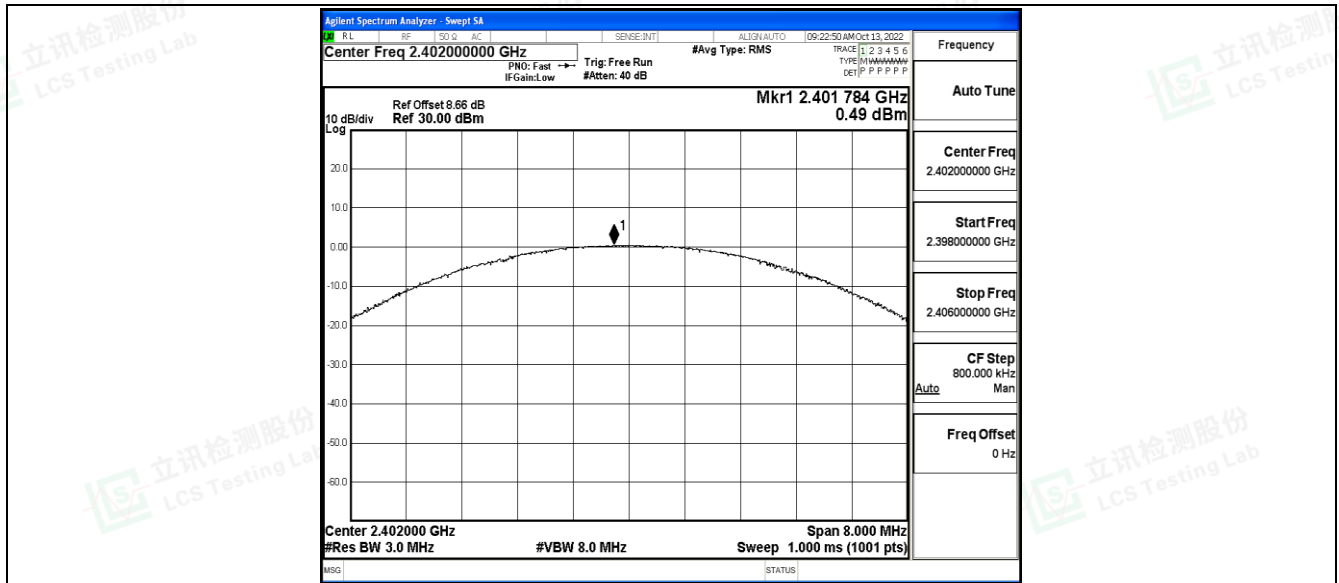


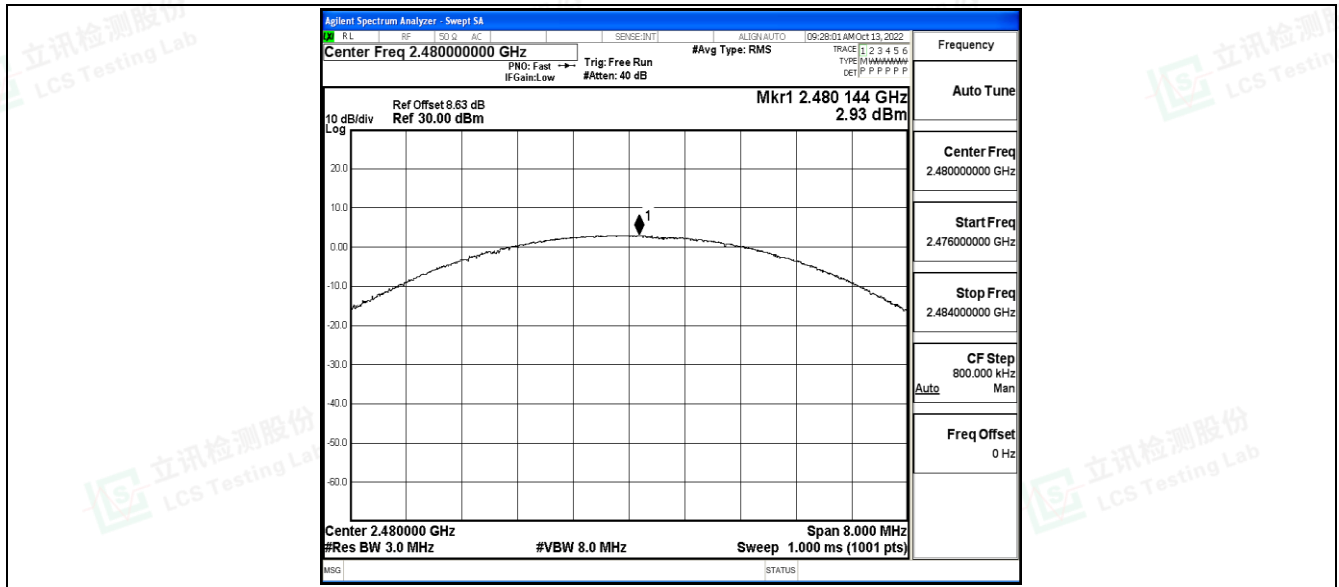
2DH5_Ant_2480



3DH5_Ant_2402









A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant	Hop	1.158	≥0.568	PASS
2DH5	Ant	Hop	1.326	≥0.860	PASS
3DH5	Ant	Hop	1.020	≥0.880	PASS

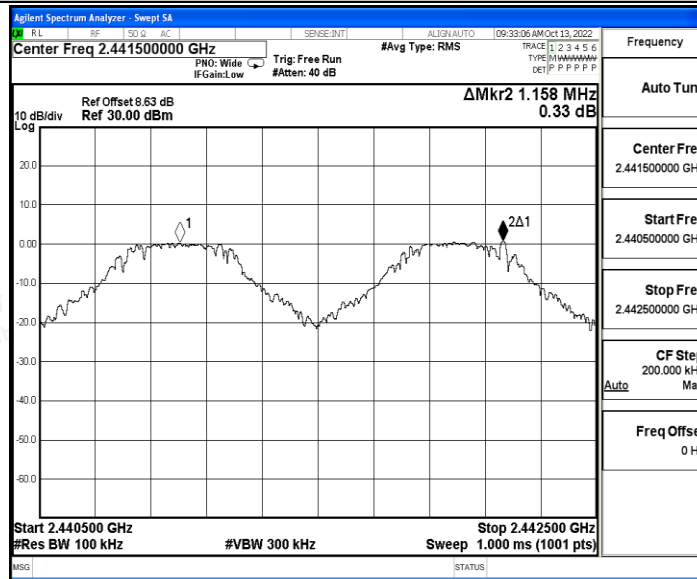


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Scan code to check authenticity

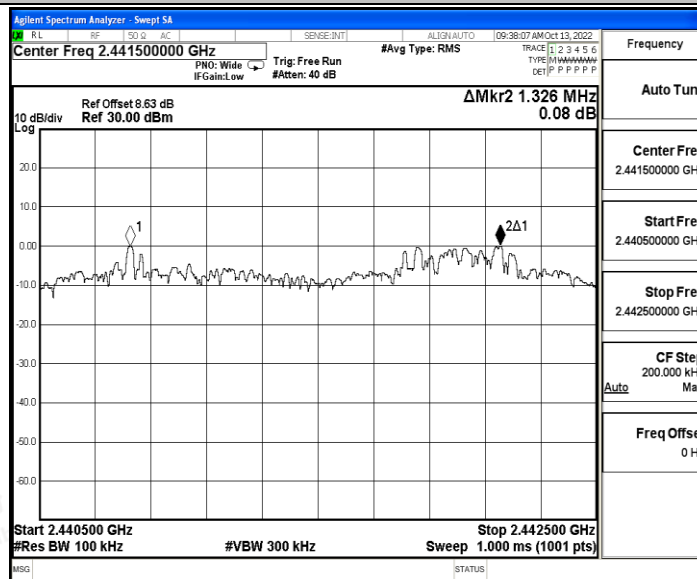


Test Graphs

DH5_Ant_Hop

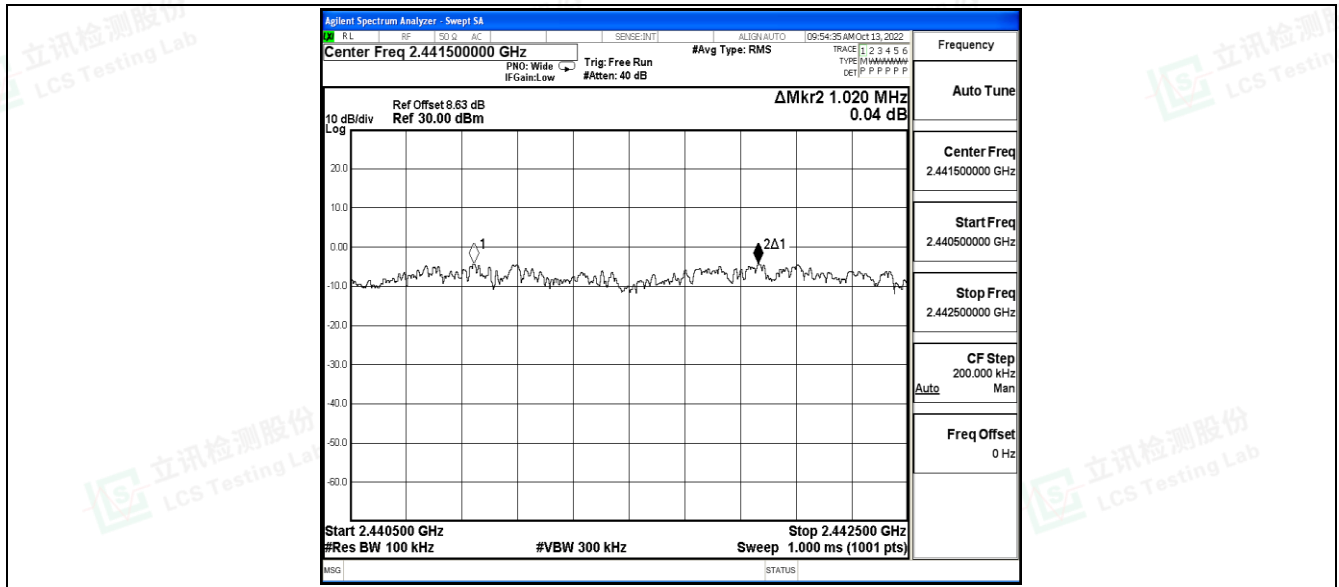


2DH5_Ant_Hop



3DH5_Ant_Hop







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

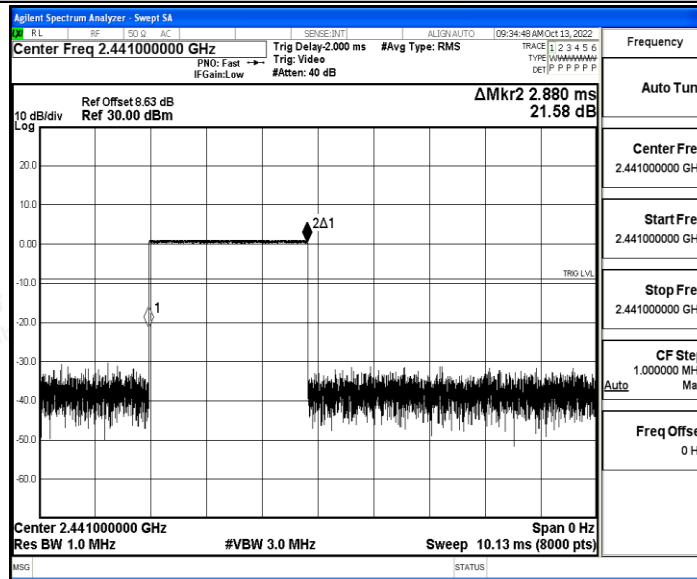


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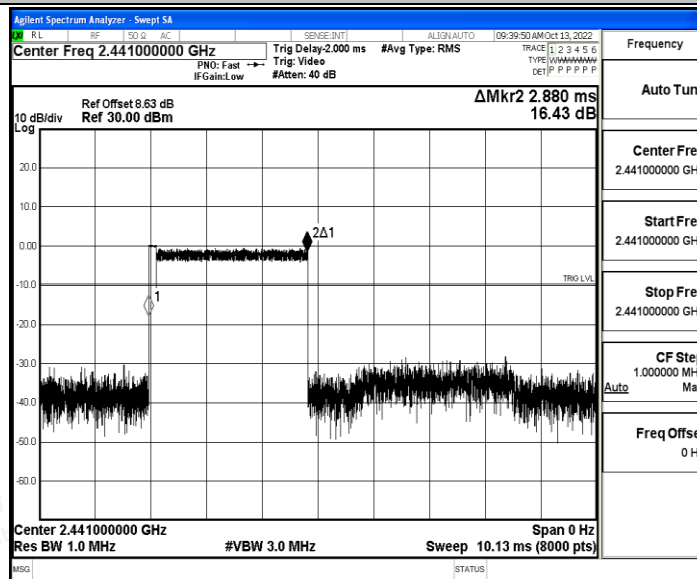


Test Graphs

DH5_Ant_Hop

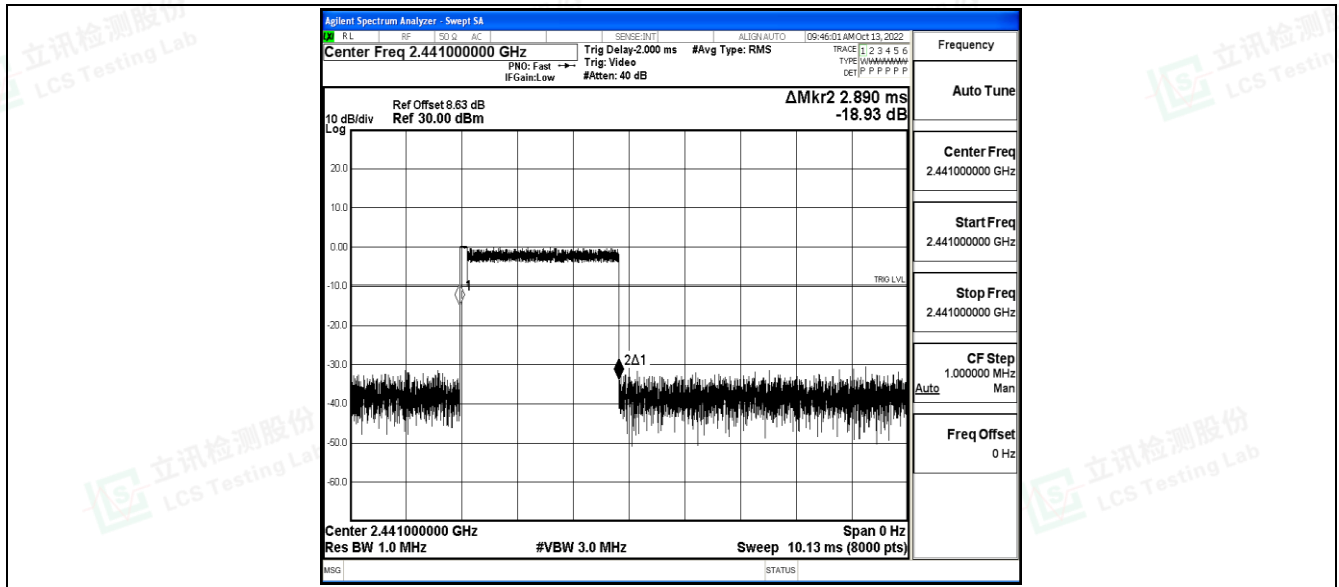


2DH5_Ant_Hop



3DH5_Ant_Hop







A.5 Number of hopping channels

Test Result

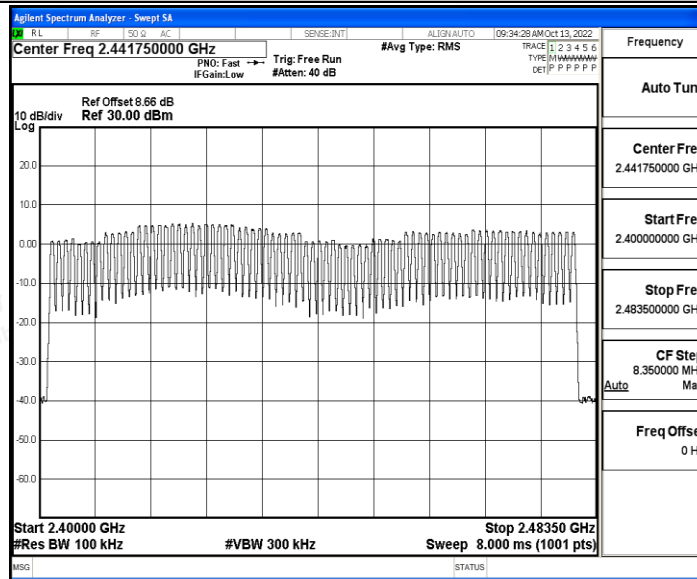
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant	Hop	79	≥15	PASS
2DH5	Ant	Hop	79	≥15	PASS
3DH5	Ant	Hop	79	≥15	PASS



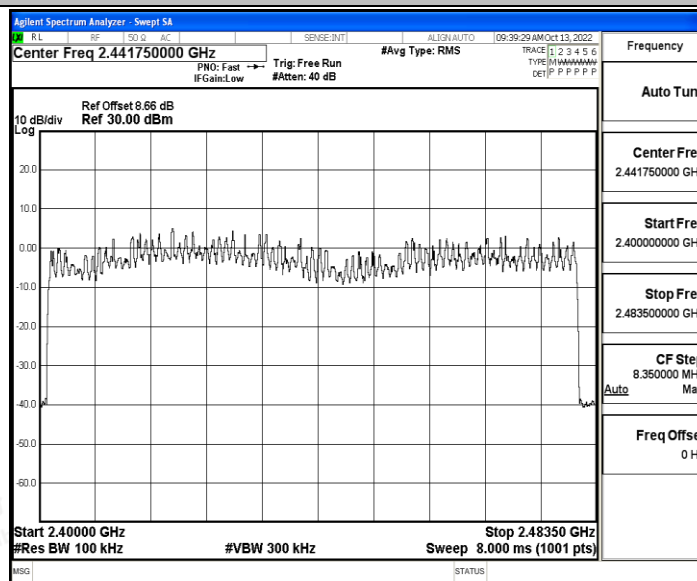


Test Graphs

DH5_Ant_Hop

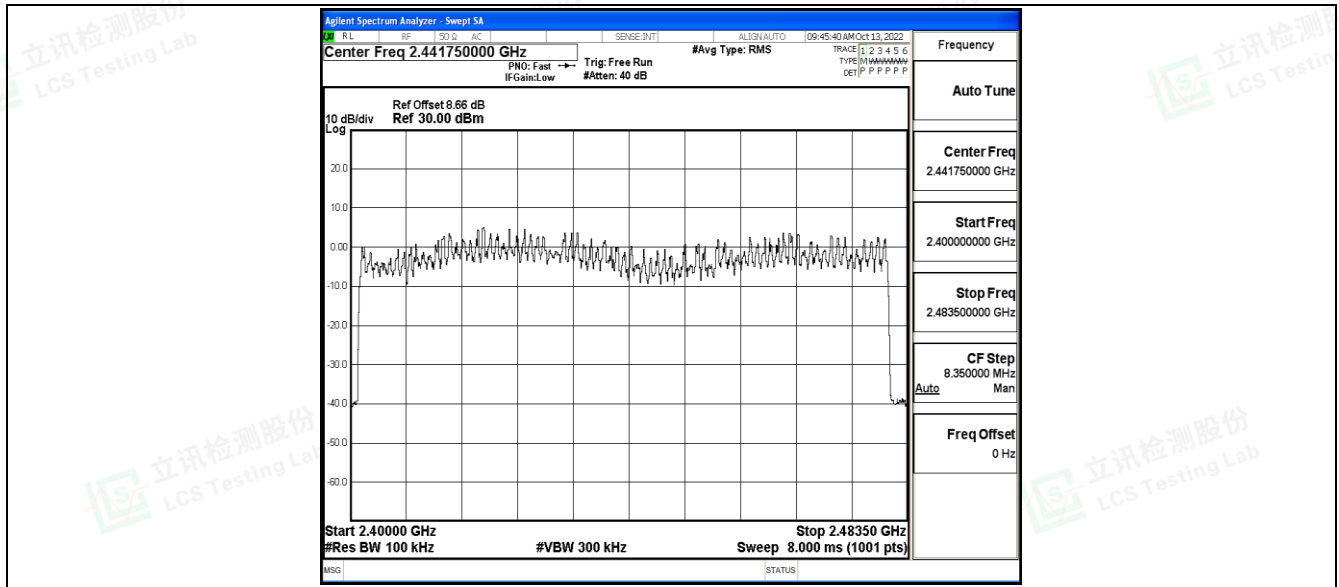


2DH5_Ant_Hop



3DH5_Ant_Hop







A.6 Band edge measurements

Test Result

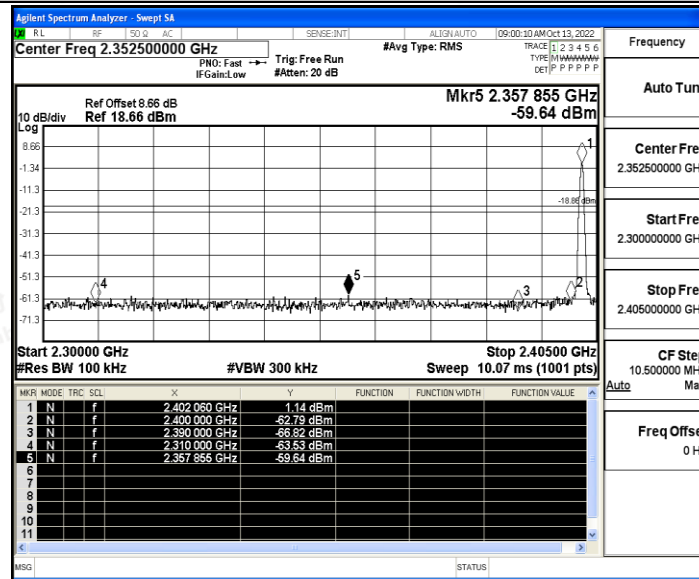
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant	Low	2402	1.14	-59.64	≤ -18.86	PASS
		High	2480	3.20	-59.41	≤ -16.8	PASS
		Low	Hop_2402	0.45	-58.65	≤ -19.55	PASS
		High	Hop_2480	3.20	-56.84	≤ -16.8	PASS
2DH5	Ant	Low	2402	-5.93	-59.91	≤ -25.93	PASS
		High	2480	2.62	-58.25	≤ -17.38	PASS
		Low	Hop_2402	-1.60	-58.94	≤ -21.6	PASS
		High	Hop_2480	2.49	-56.92	≤ -17.51	PASS
3DH5	Ant	Low	2402	-4.45	-59.75	≤ -24.45	PASS
		High	2480	2.31	-58.59	≤ -17.69	PASS
		Low	Hop_2402	-1.54	-58.79	≤ -21.54	PASS
		High	Hop_2480	1.98	-57.48	≤ -18.02	PASS



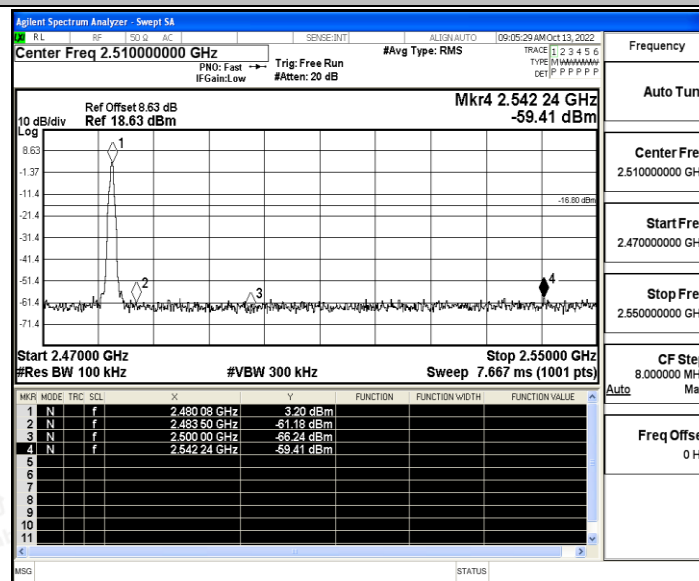


Test Graphs

DH5_Ant_Low_2402

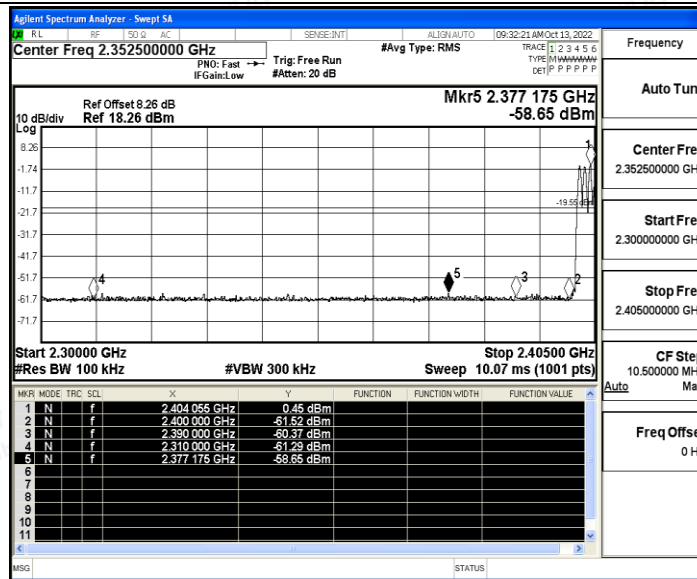


DH5_Ant_High_2480

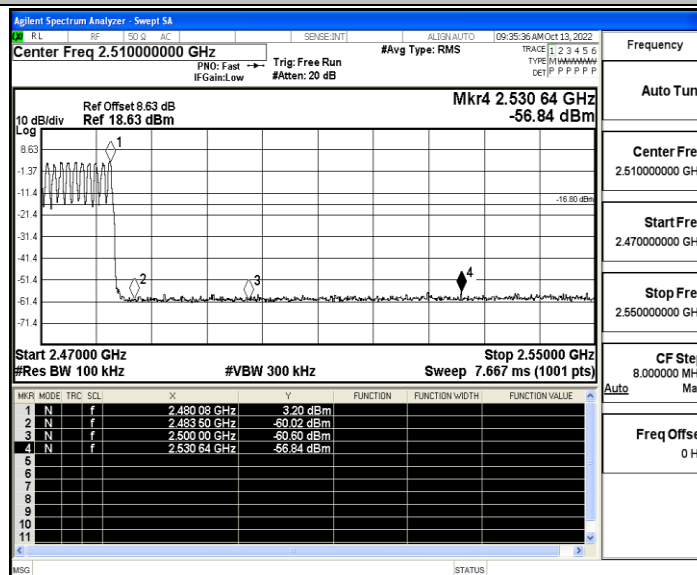


DH5_Ant_Low_Hop_2402



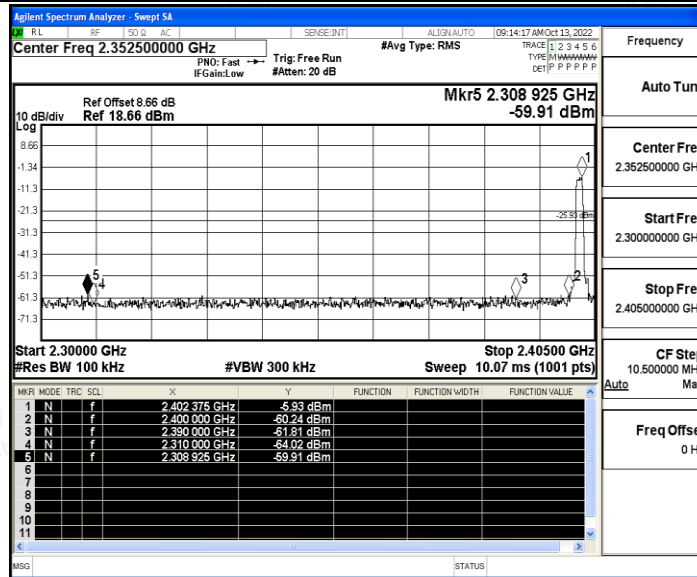


DH5_Ant_High_Hop_2480

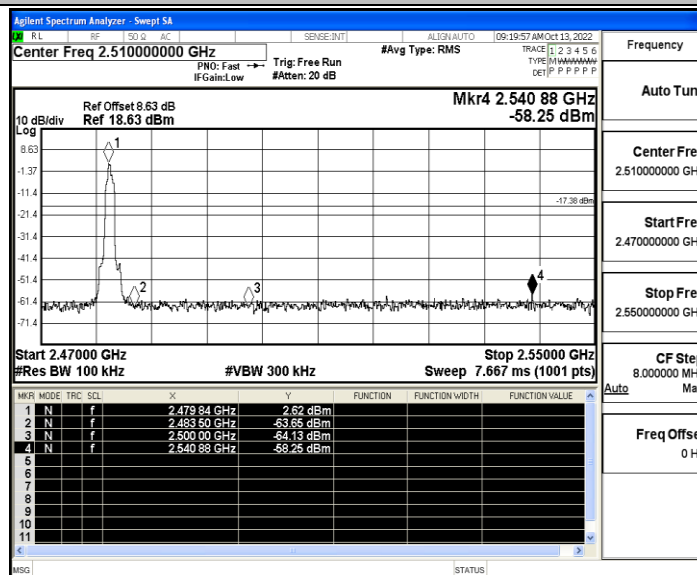


2DH5_Ant_Low_2402





2DH5_Ant_High_2480



2DH5_Ant_Low_Hop_2402

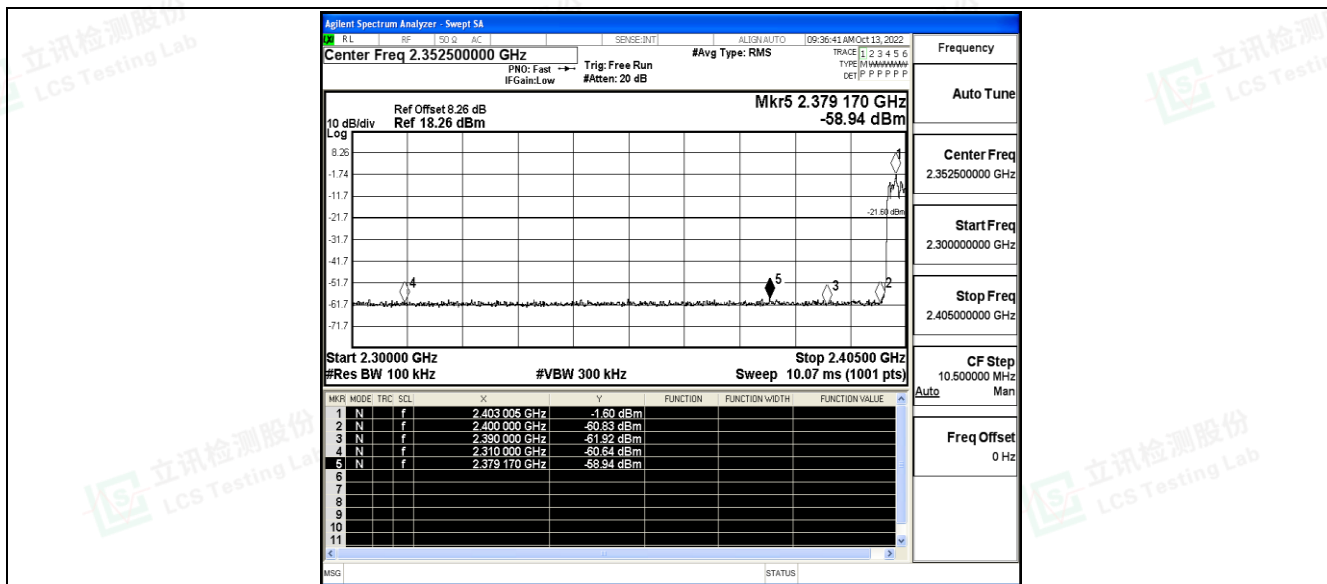


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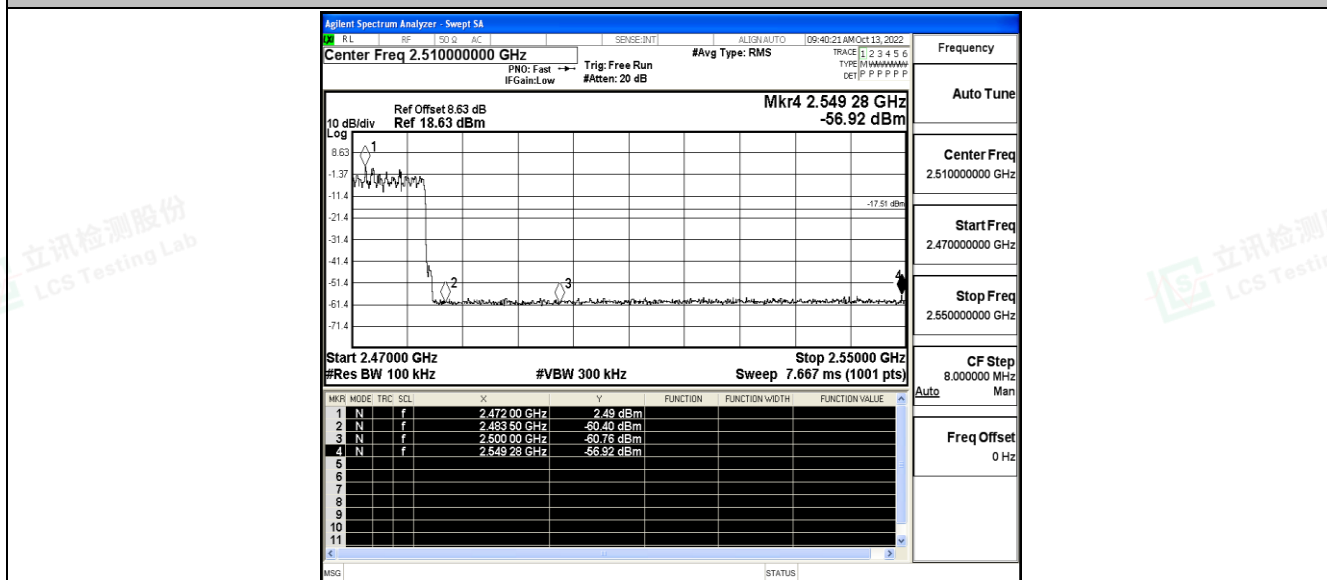
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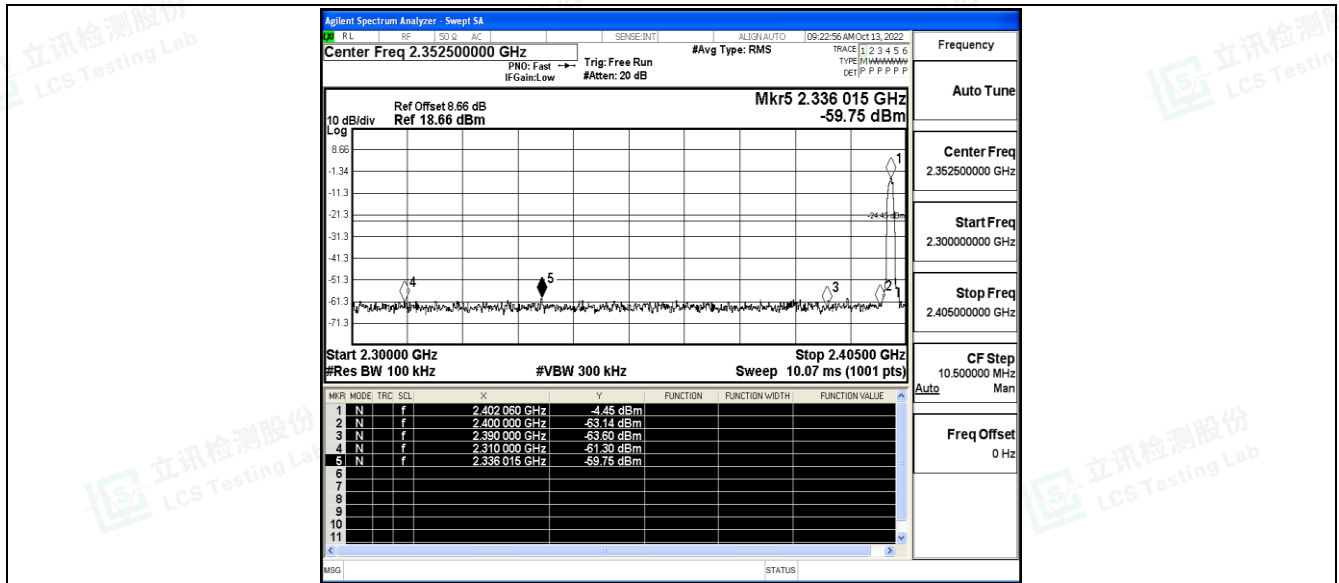


2DH5_Ant_High_Hop_2480

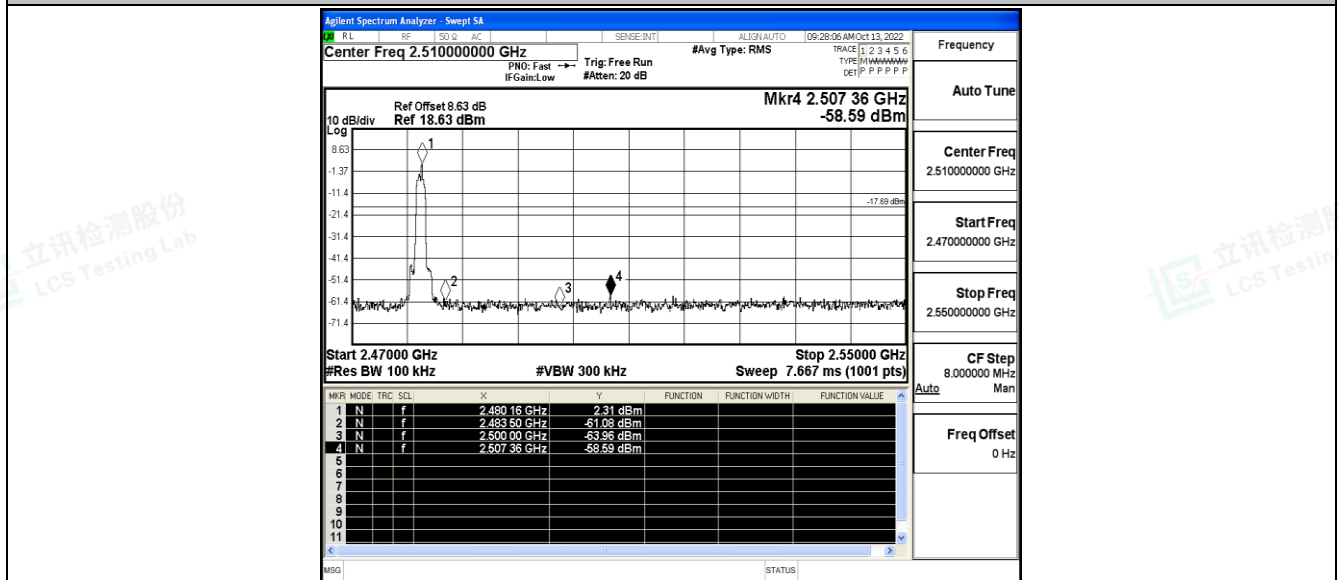


3DH5_Ant_Low_2402



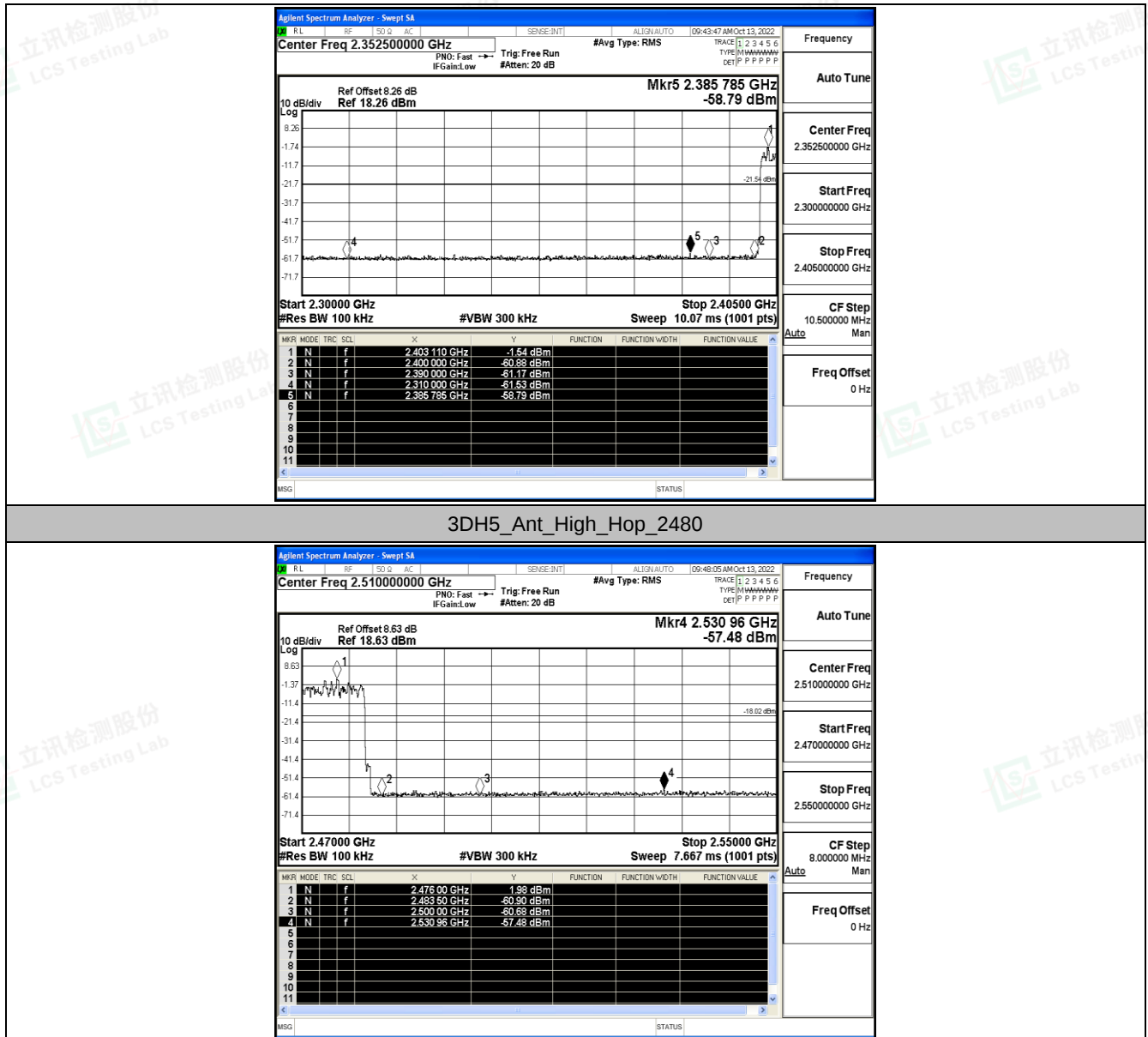


3DH5_Ant_High_2480



3DH5_Ant_Low_Hop_2402







A.7 Conducted Spurious Emission

Test Result

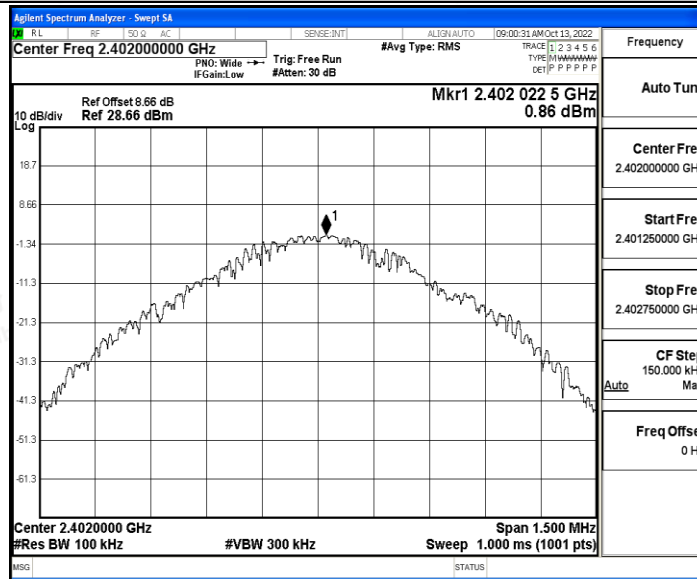
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant	2402	Reference	0.86	0.86	---	PASS
			30~1000	0.86	-60.15	≤-19.14	PASS
			1000~26500	0.86	-46.51	≤-19.14	PASS
		2441	Reference	0.61	0.61	---	PASS
			30~1000	0.61	-60.97	≤-19.39	PASS
			1000~26500	0.61	-46.34	≤-19.39	PASS
		2480	Reference	3.23	3.23	---	PASS
			30~1000	3.23	-61.19	≤-16.77	PASS
			1000~26500	3.23	-45.84	≤-16.77	PASS
2DH5	Ant	2402	Reference	-5.48	-5.48	---	PASS
			30~1000	-5.48	-54.97	≤-25.48	PASS
			1000~26500	-5.48	-45.98	≤-25.48	PASS
		2441	Reference	-0.14	-0.14	---	PASS
			30~1000	-0.14	-60.21	≤-20.14	PASS
			1000~26500	-0.14	-45.26	≤-20.14	PASS
		2480	Reference	-1.80	-1.80	---	PASS
			30~1000	-1.80	-60.46	≤-21.8	PASS
			1000~26500	-1.80	-45.17	≤-21.8	PASS
3DH5	Ant	2402	Reference	-4.47	-4.47	---	PASS
			30~1000	-4.47	-60.17	≤-24.47	PASS
			1000~26500	-4.47	-46.25	≤-24.47	PASS
		2441	Reference	-5.14	-5.14	---	PASS
			30~1000	-5.14	-60.38	≤-25.14	PASS
			1000~26500	-5.14	-46.39	≤-25.14	PASS
		2480	Reference	-1.55	-1.55	---	PASS
			30~1000	-1.55	-55.62	≤-21.55	PASS
			1000~26500	-1.55	-46.09	≤-21.55	PASS



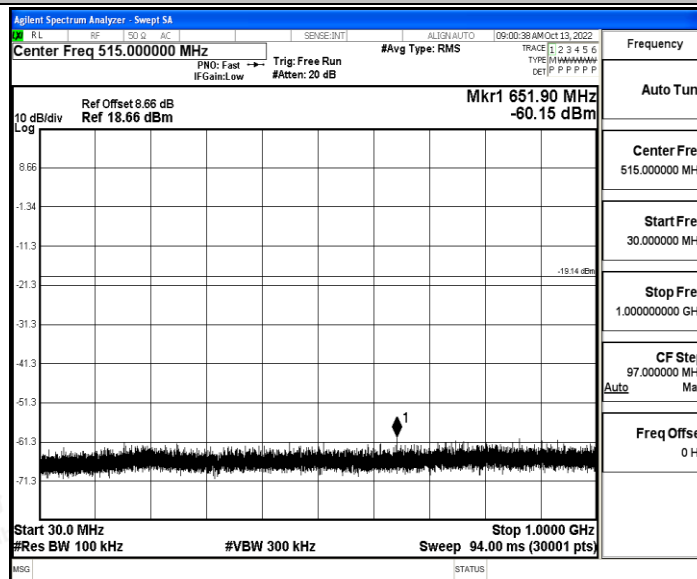


Test Graphs

DH5_Ant_2402_0~Reference

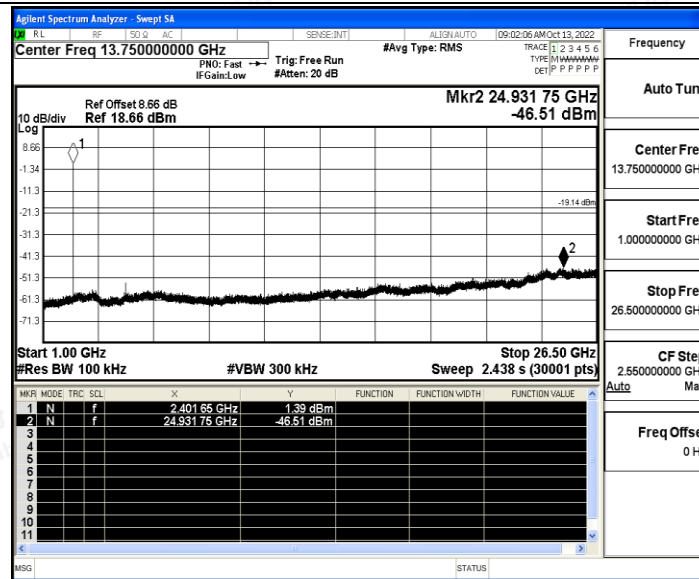


DH5_Ant_2402_30~1000

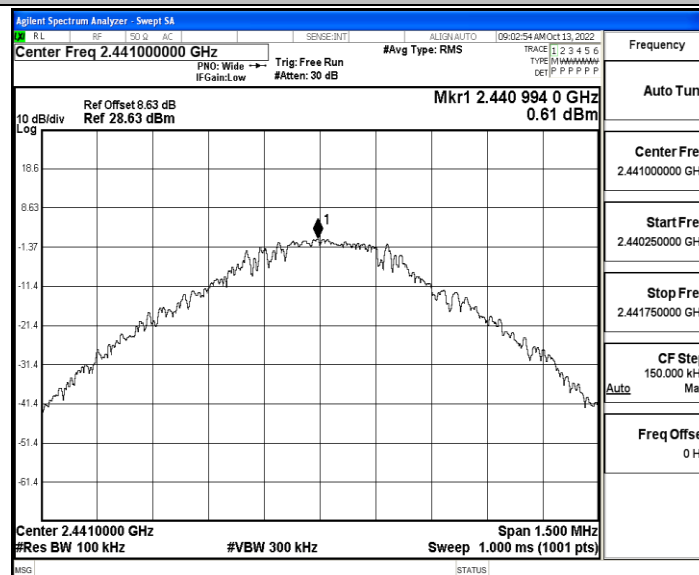


DH5_Ant_2402_1000~26500



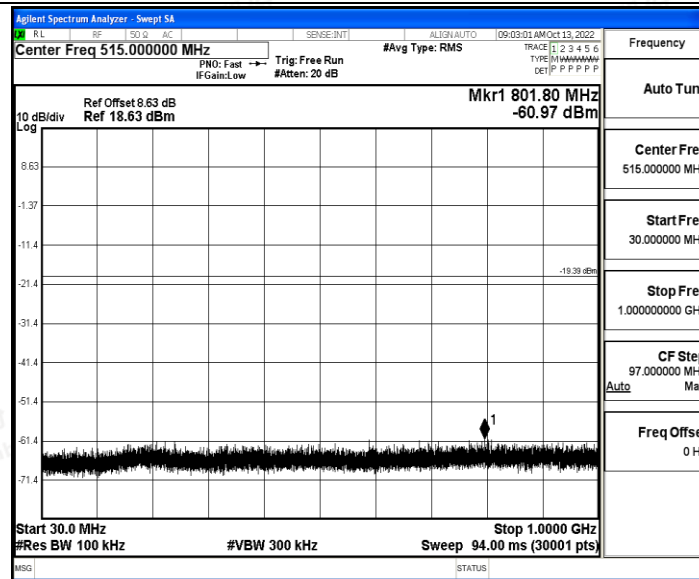


DH5_Ant_2441_0~Reference

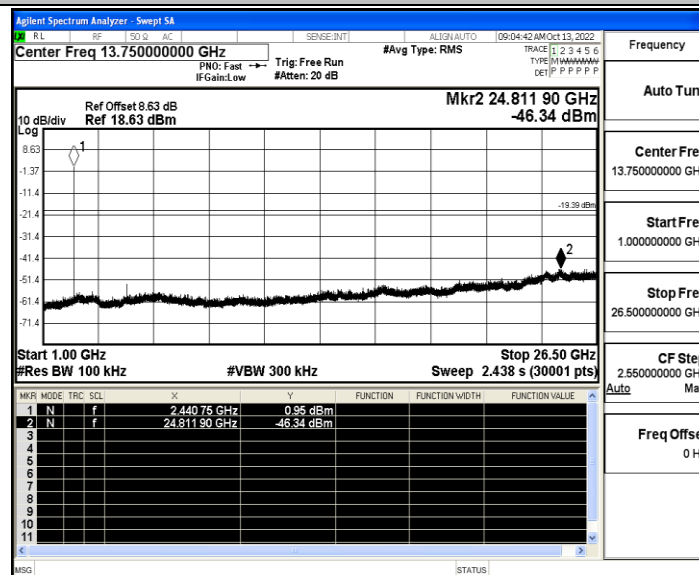


DH5_Ant_2441_30~1000



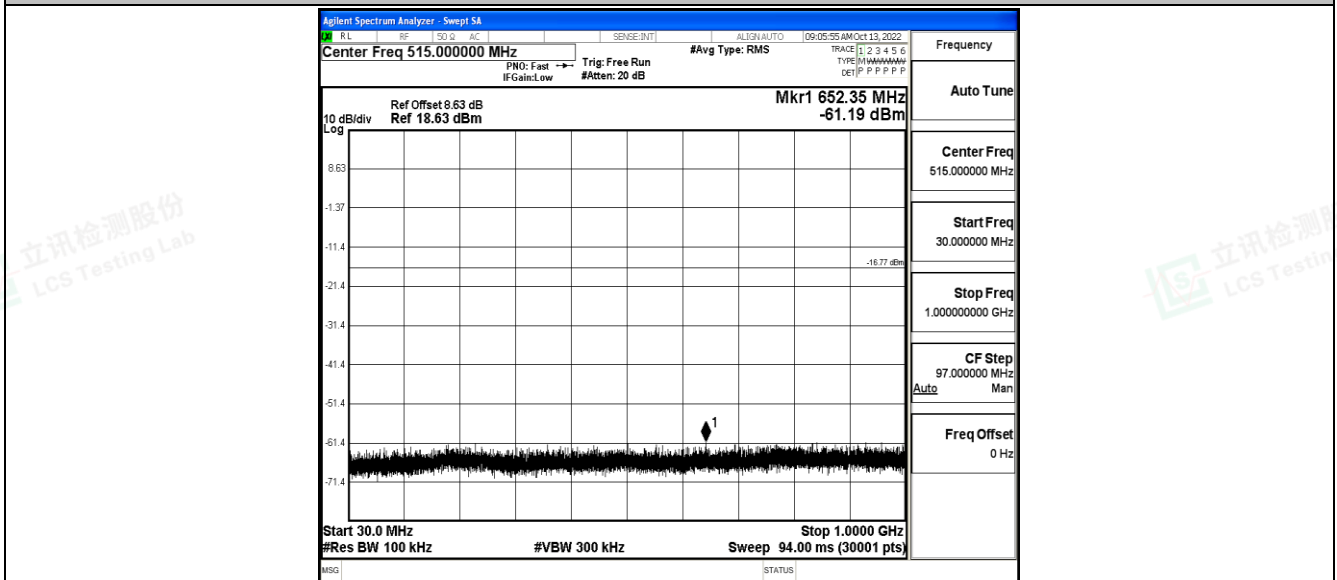
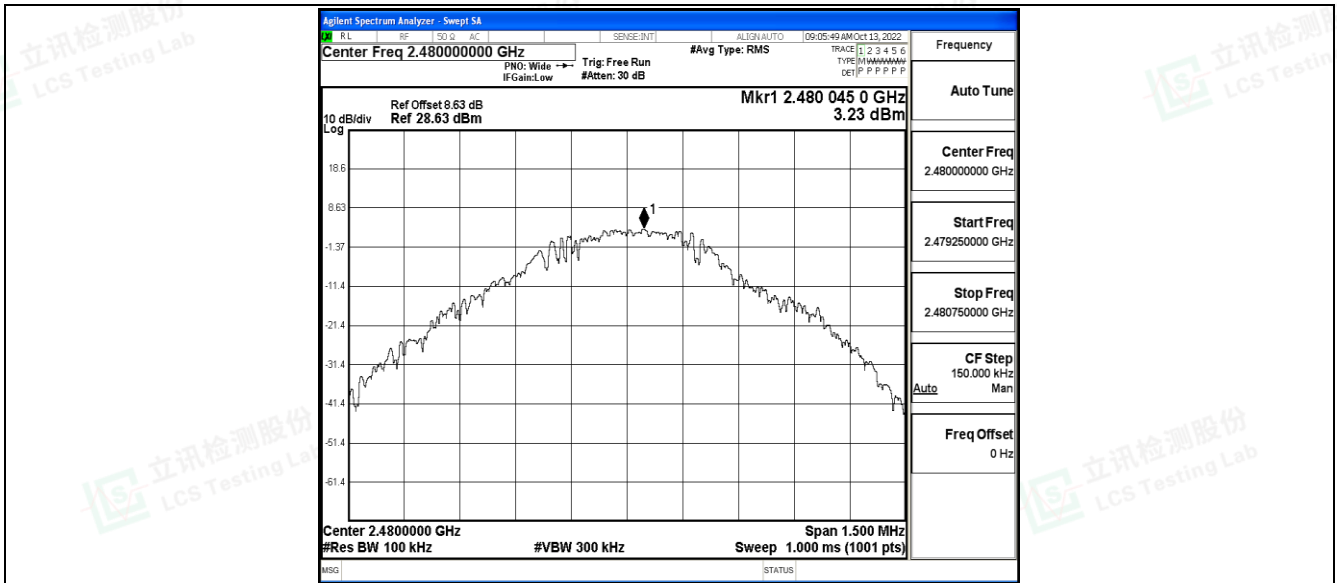


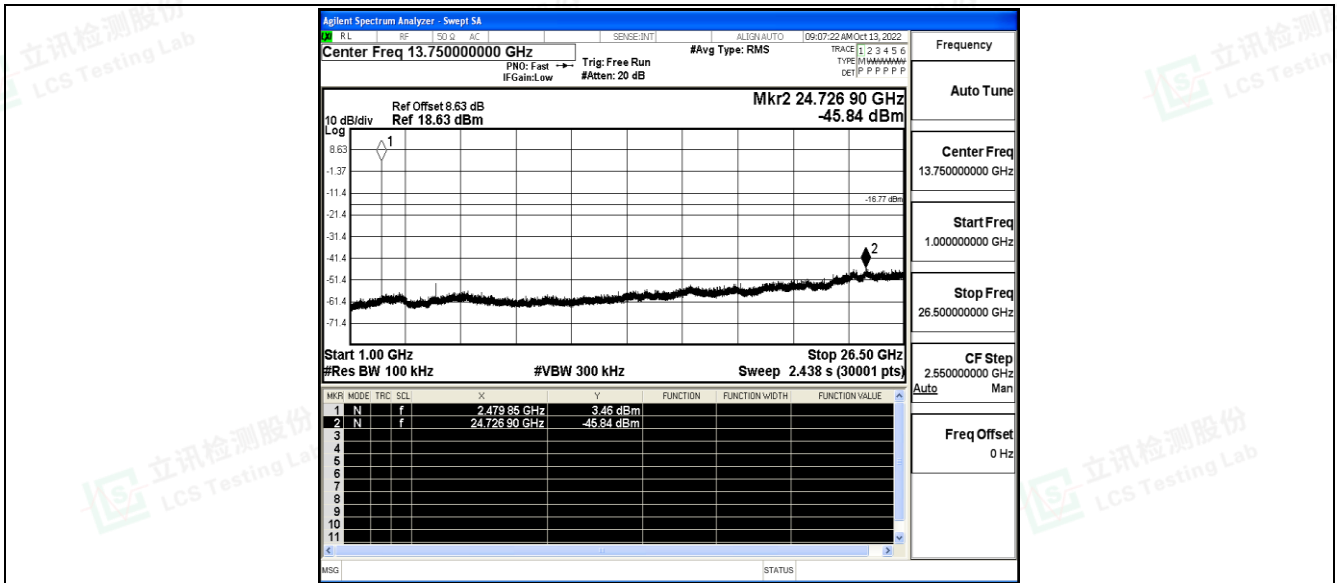
DH5_Ant_2441_1000~26500



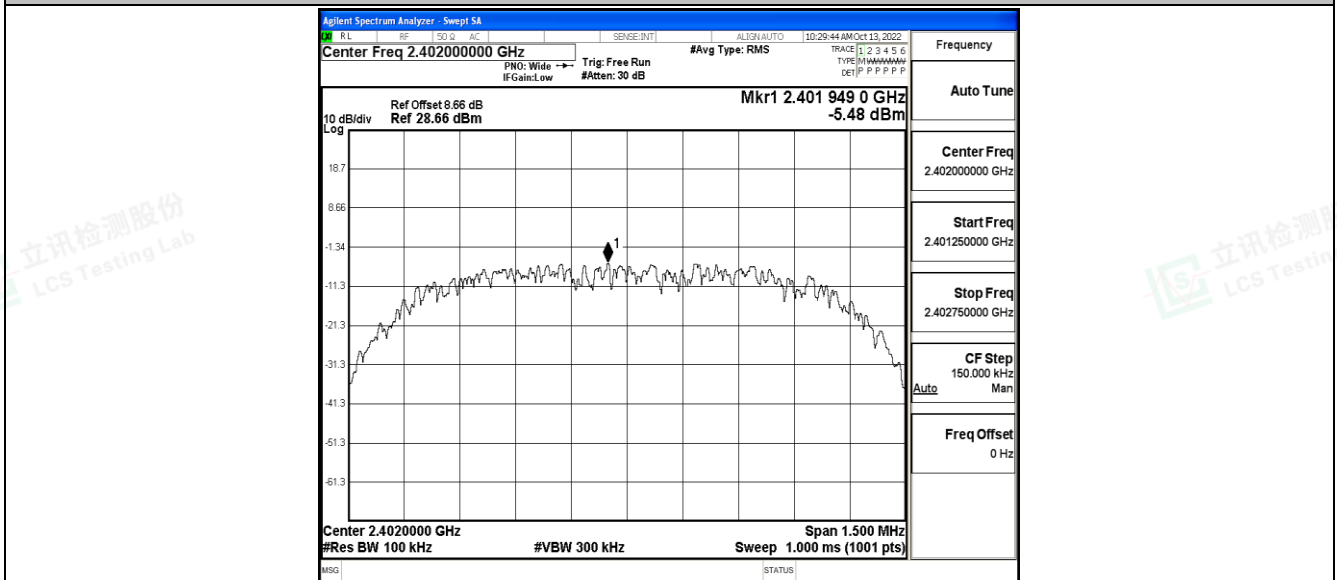
DH5_Ant_2480_0~Reference





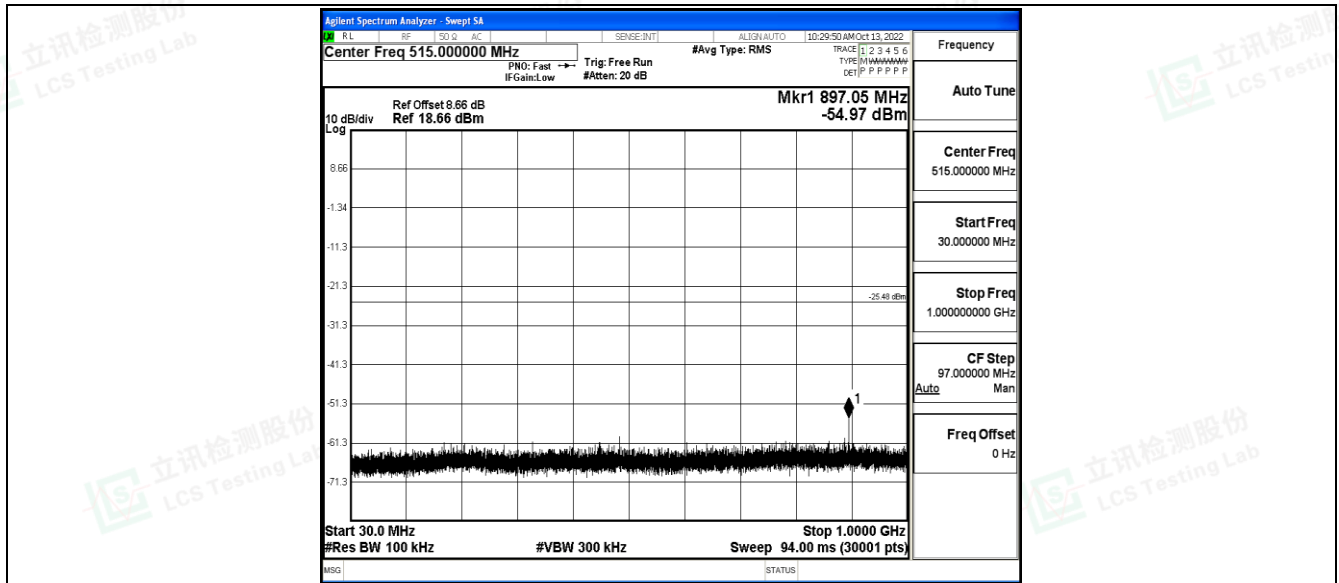


2DH5_Ant_2402_0-Reference

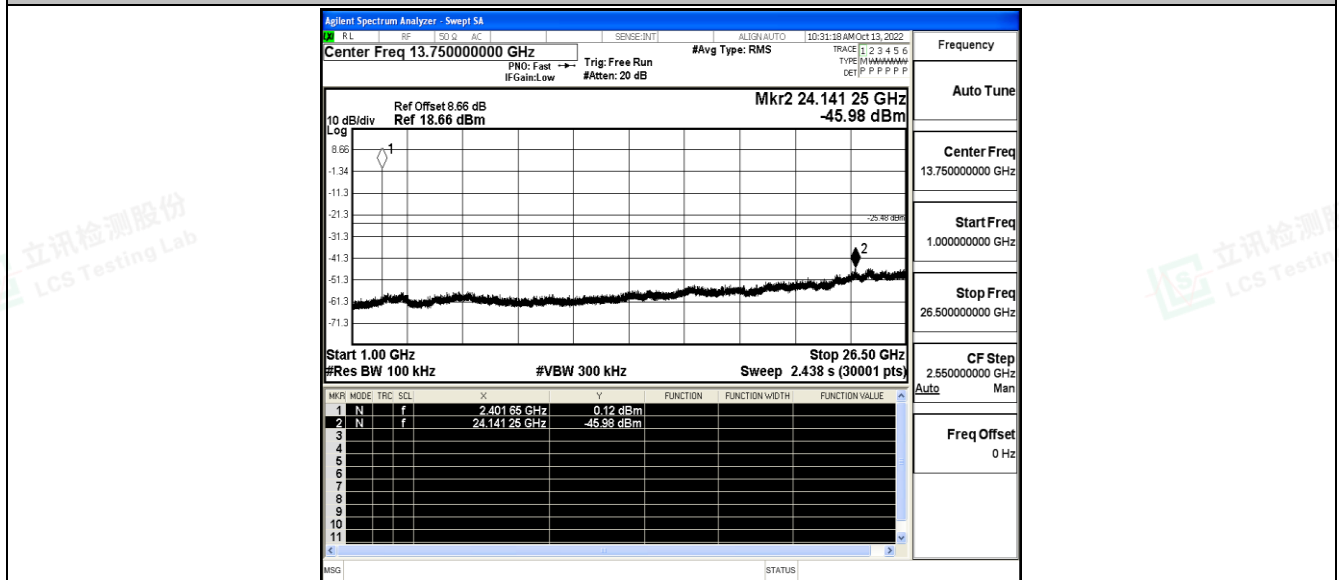


2DH5_Ant_2402_30~1000



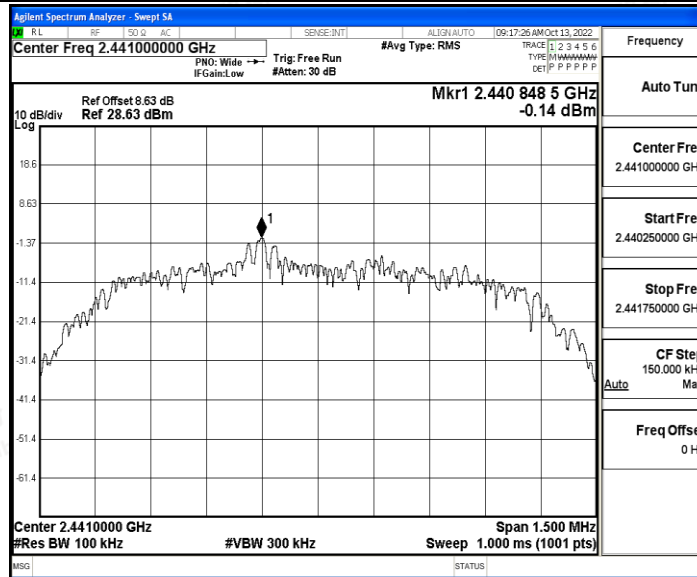


2DH5_Ant_2402_1000~26500

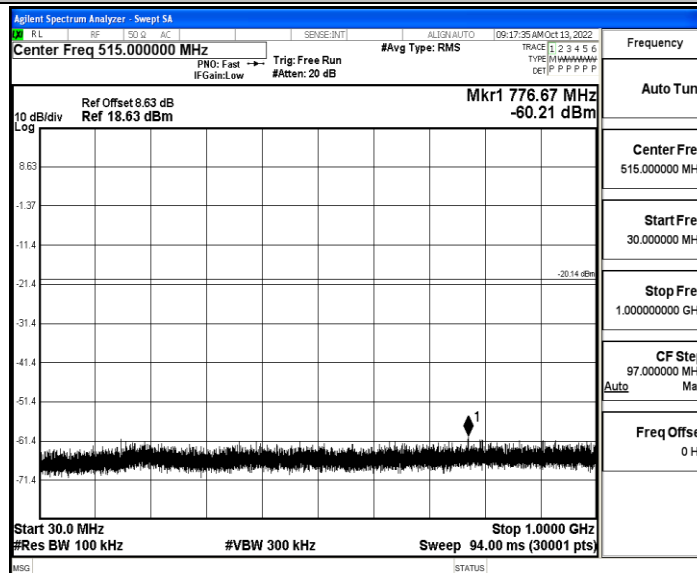


2DH5_Ant_2441_0~Reference



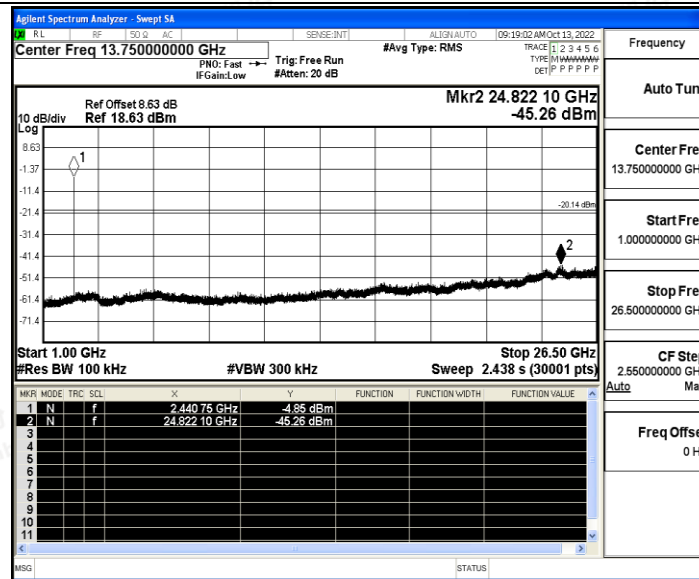


2DH5_Ant_2441_30~1000

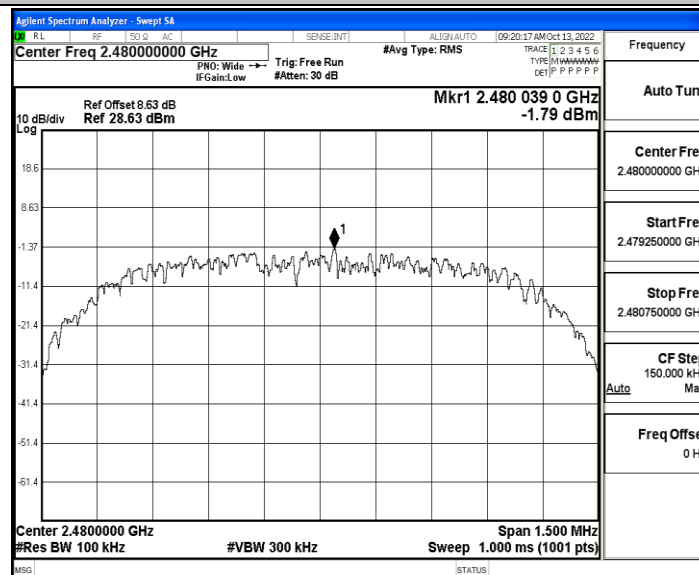


2DH5_Ant_2441_1000~26500



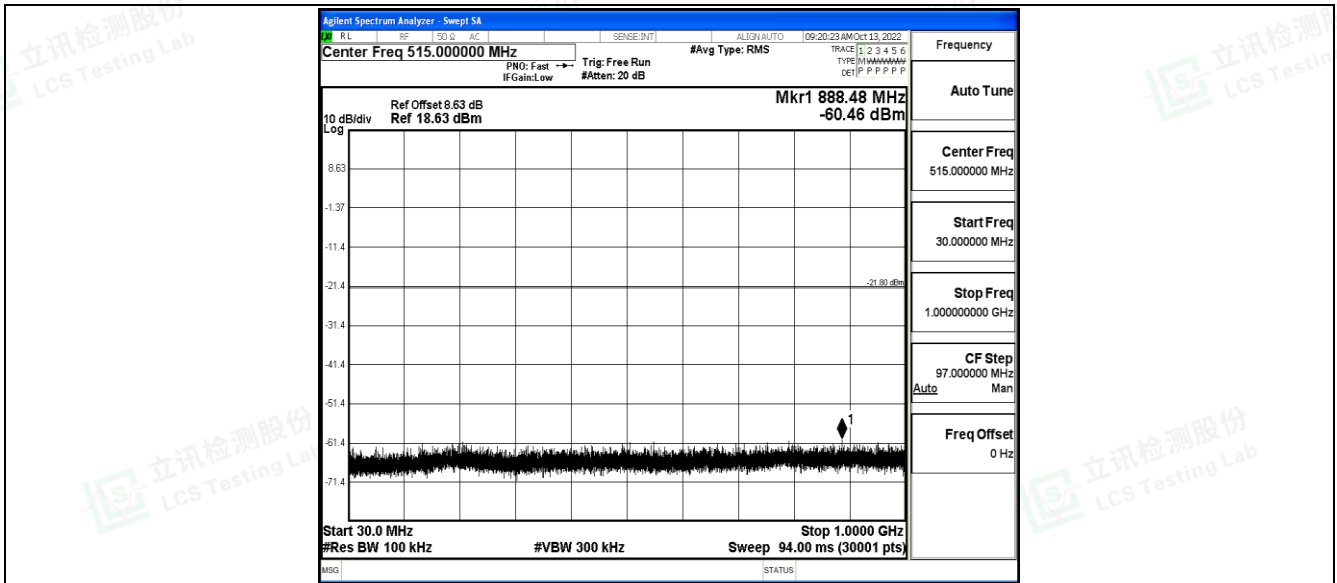


2DH5_Ant_2480_0-Reference

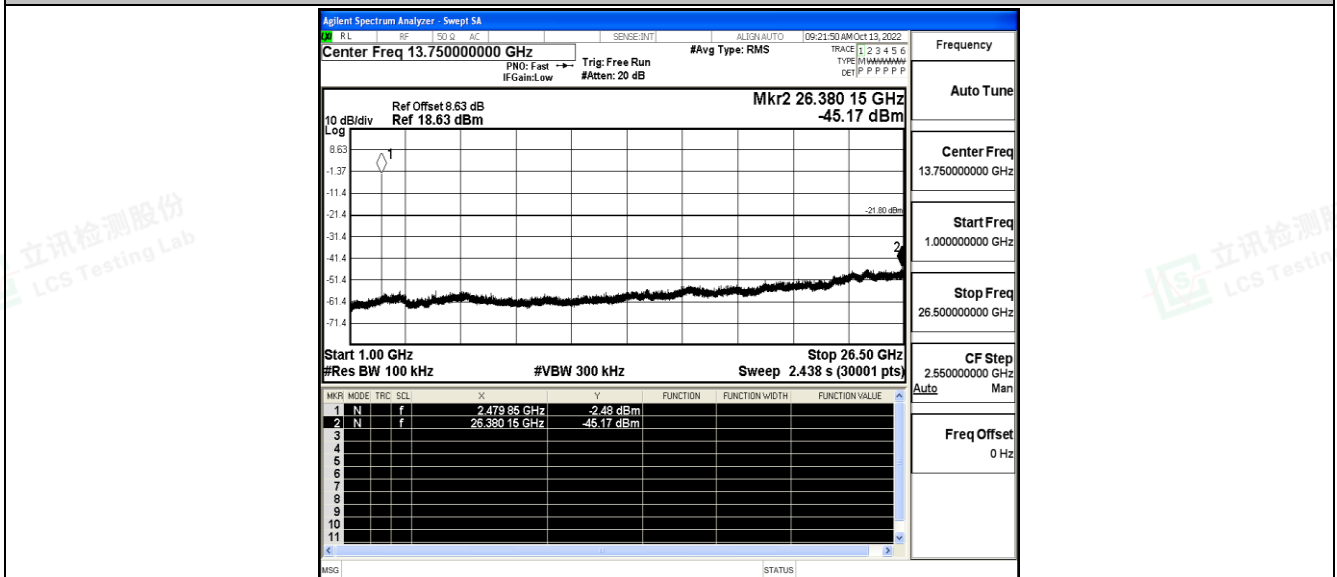


2DH5_Ant_2480_30~1000



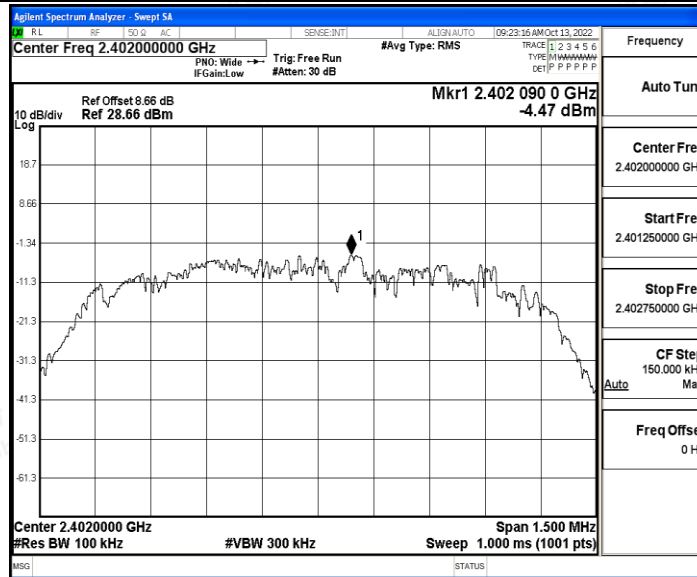


2DH5_Ant_2480_1000~26500

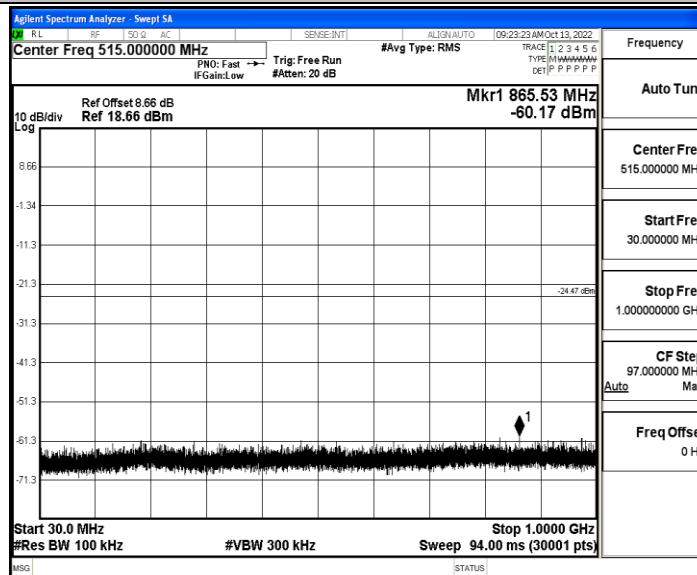


3DH5_Ant_2402_0-Reference



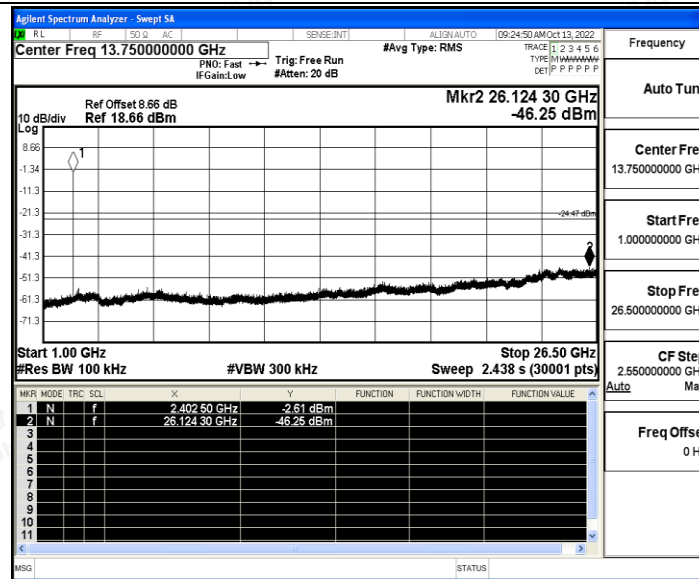


3DH5_Ant_2402_30~1000

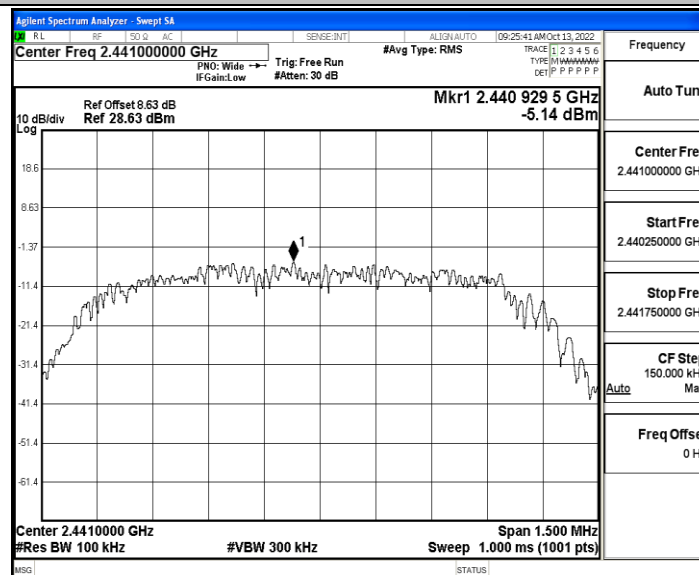


3DH5_Ant_2402_1000~26500



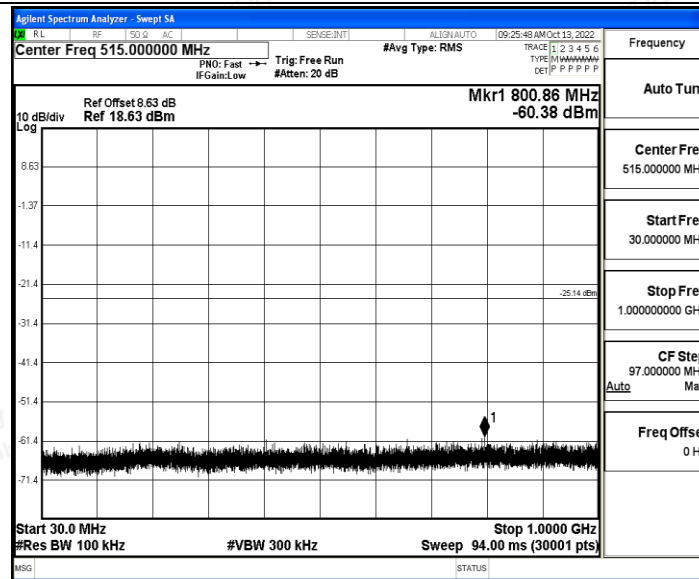


3DH5_Ant_2441_0-Reference

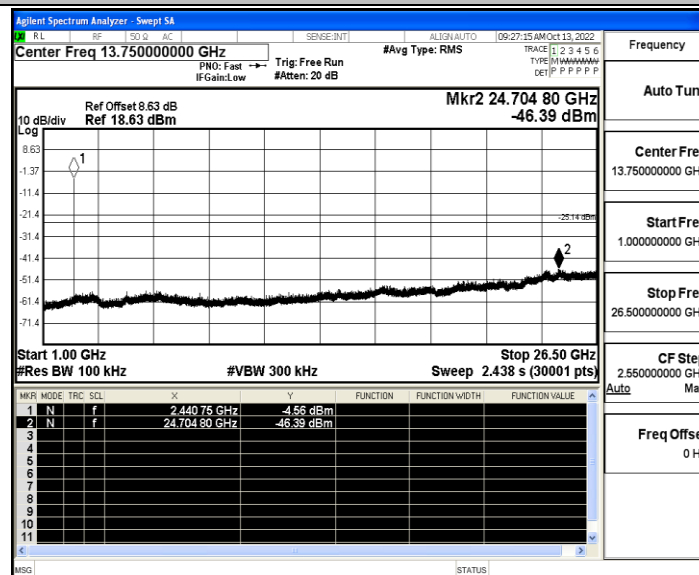


3DH5_Ant_2441_30~1000



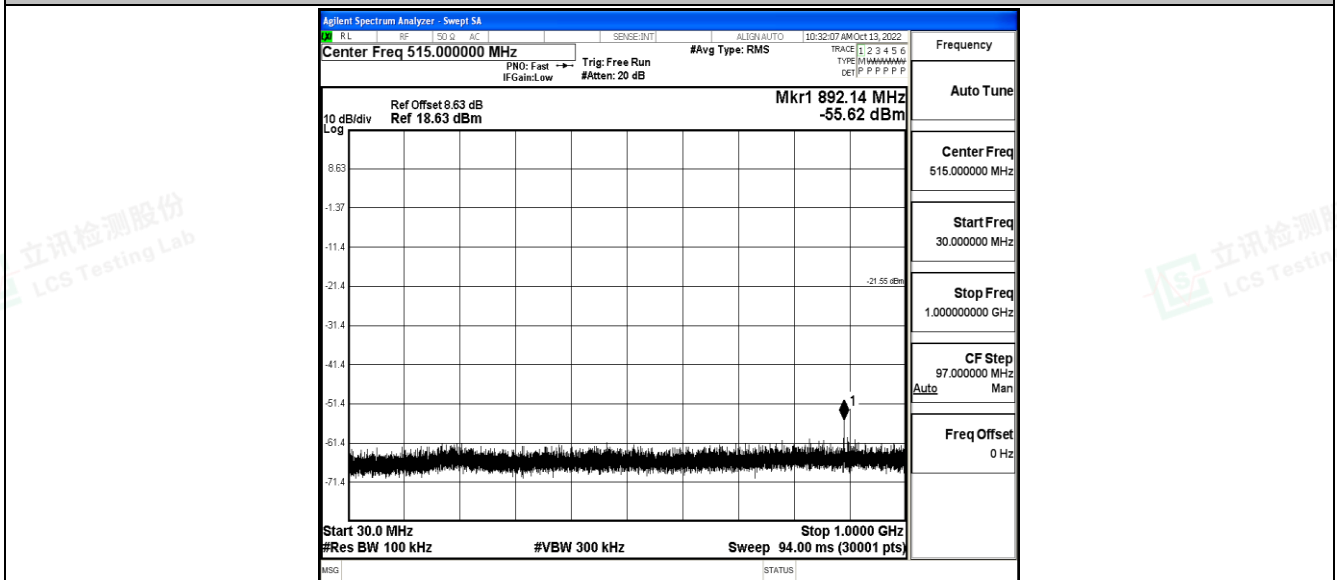
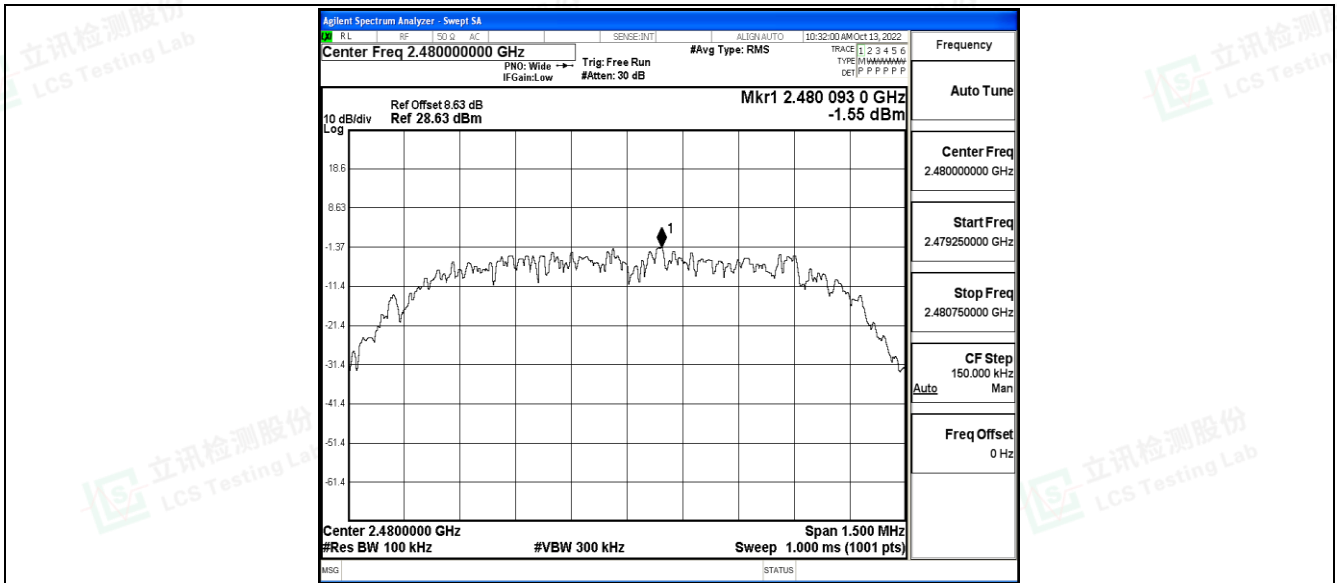


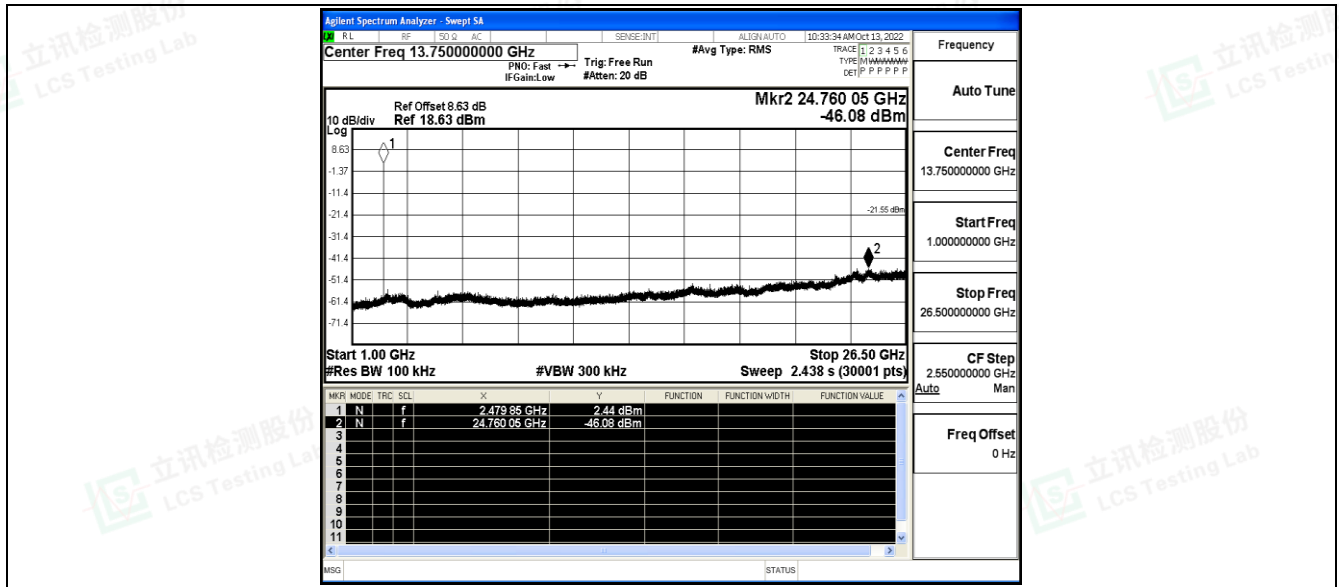
3DH5_Ant_2441_1000~26500



3DH5_Ant_2480_0-Reference









A.7 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	-58.24	≤-41.20	36.96	≤54	PASS
				AV	2389.775	-57.64	≤-41.20	37.56	≤54	PASS
				AV	2390.000	-57.66	≤-41.20	37.54	≤54	PASS
				Peak	2310.000	-53.25	≤-21.20	41.95	≤74	PASS
				Peak	2311.340	-47.89	≤-21.20	47.31	≤74	PASS
				Peak	2390.000	-52.94	≤-21.20	42.26	≤74	PASS
		High	2480	AV	2483.500	-53.71	≤-41.20	41.49	≤54	PASS
				AV	2483.520	-53.71	≤-41.20	41.49	≤54	PASS
				AV	2500.000	-57.21	≤-41.20	37.99	≤54	PASS
				Peak	2483.500	-51.96	≤-21.20	43.24	≤74	PASS
				Peak	2493.280	-47.77	≤-21.20	47.43	≤74	PASS
				Peak	2500.000	-51.33	≤-21.20	43.87	≤74	PASS
2DH5	Ant	Low	2402	AV	2310.000	-58.24	≤-41.20	36.96	≤54	PASS
				AV	2383.580	-57.58	≤-41.20	37.62	≤54	PASS
				AV	2390.000	-57.75	≤-41.20	37.45	≤54	PASS
				Peak	2310.000	-53.42	≤-21.20	41.78	≤74	PASS
				Peak	2378.855	-48.66	≤-21.20	46.54	≤74	PASS
				Peak	2390.000	-53.08	≤-21.20	42.12	≤74	PASS
		High	2480	AV	2483.500	-53.97	≤-41.20	41.23	≤54	PASS
				AV	2483.520	-53.96	≤-41.20	41.24	≤54	PASS
				AV	2500.000	-57.17	≤-41.20	38.03	≤54	PASS
				Peak	2483.500	-50.95	≤-21.20	44.25	≤74	PASS
				Peak	2484.720	-47.54	≤-21.20	47.66	≤74	PASS
				Peak	2500.000	-51.09	≤-21.20	44.11	≤74	PASS
3DH5	Ant	Low	2402	AV	2310.000	-58.26	≤-41.20	36.94	≤54	PASS
				AV	2389.880	-57.54	≤-41.20	37.66	≤54	PASS
				AV	2390.000	-57.76	≤-41.20	37.44	≤54	PASS
				Peak	2310.000	-54.36	≤-21.20	40.84	≤74	PASS
				Peak	2389.460	-47.48	≤-21.20	47.72	≤74	PASS
				Peak	2390.000	-51.77	≤-21.20	43.43	≤74	PASS
		High	2480	AV	2483.500	-53.66	≤-41.20	41.54	≤54	PASS
				AV	2483.520	-53.66	≤-41.20	41.54	≤54	PASS
				AV	2500.000	-57.27	≤-41.20	37.93	≤54	PASS
				Peak	2483.500	-50.32	≤-21.20	44.88	≤74	PASS
				Peak	2488.240	-47.97	≤-21.20	47.23	≤74	PASS



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				Peak	2500.000	-52.74	≤-21.20	42.46	≤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.

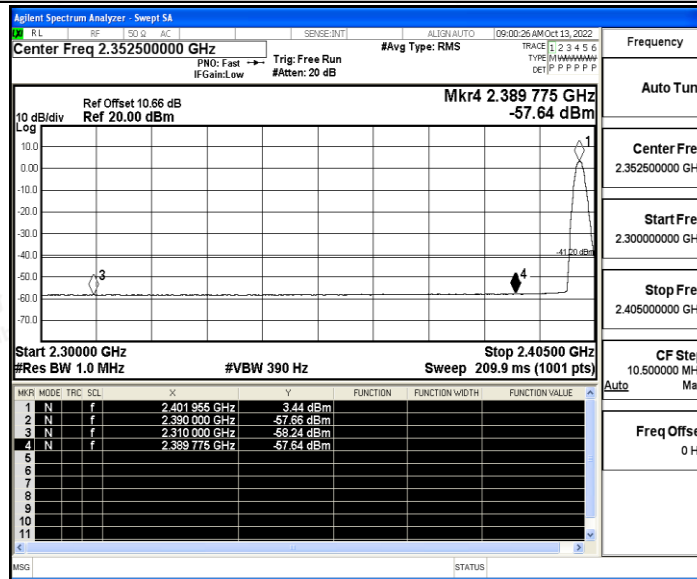


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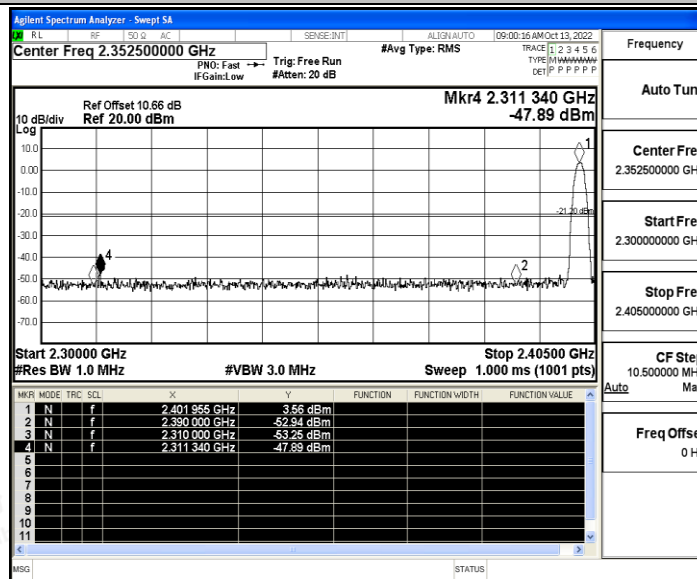


Test Graphs

DH5_Ant_Low_2402_AV



DH5_Ant_Low_2402_Peak



DH5_Ant_High_2480_AV

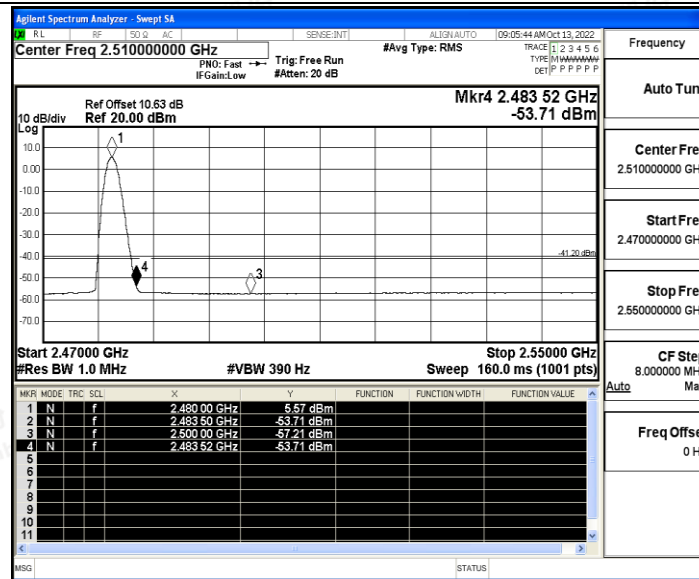


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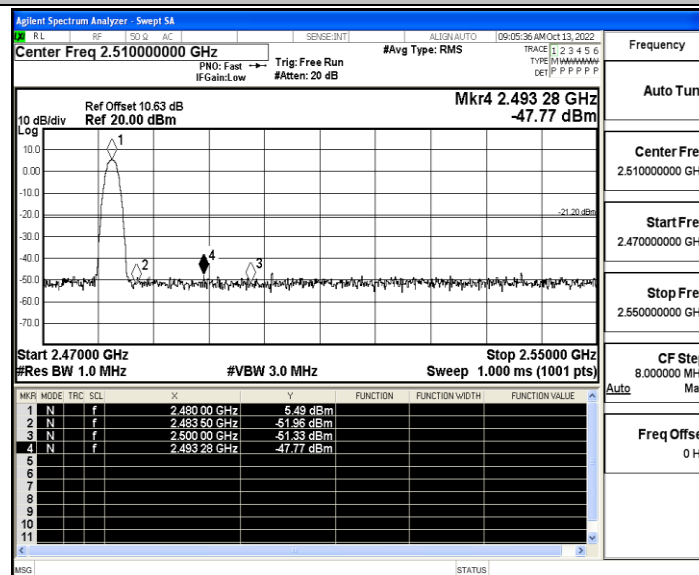
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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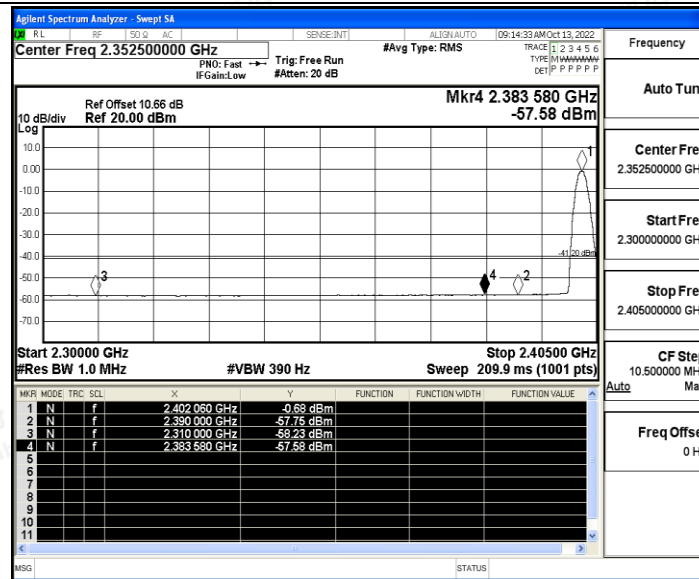


DH5_Ant_High_2480_Peak

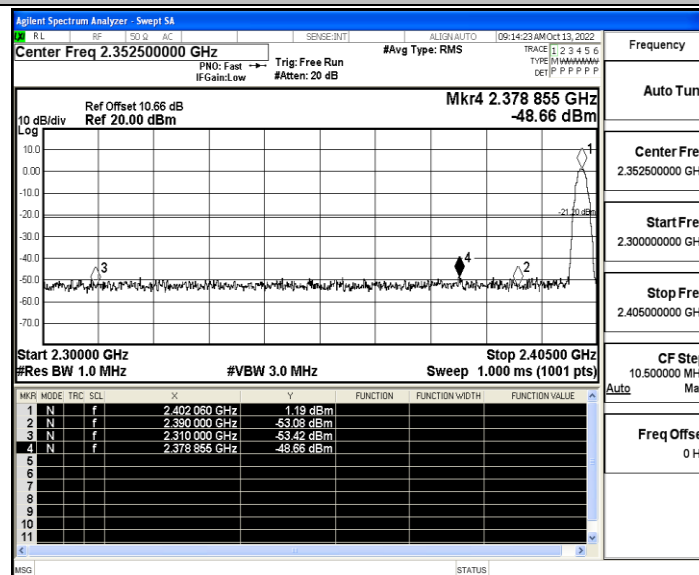


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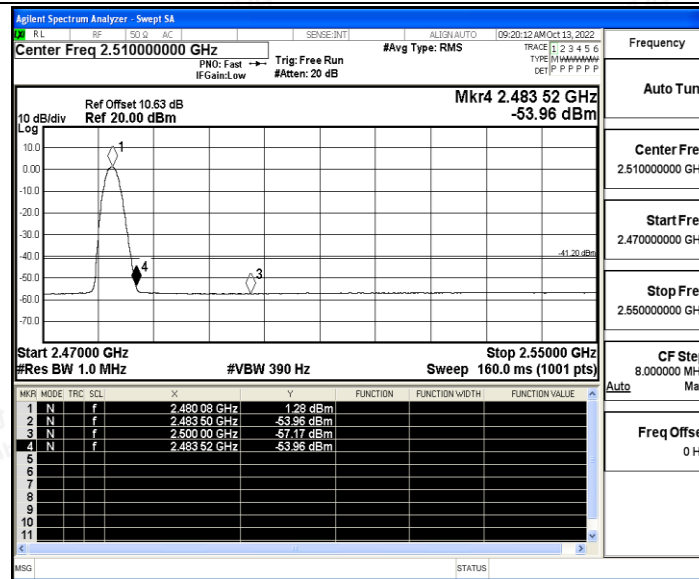


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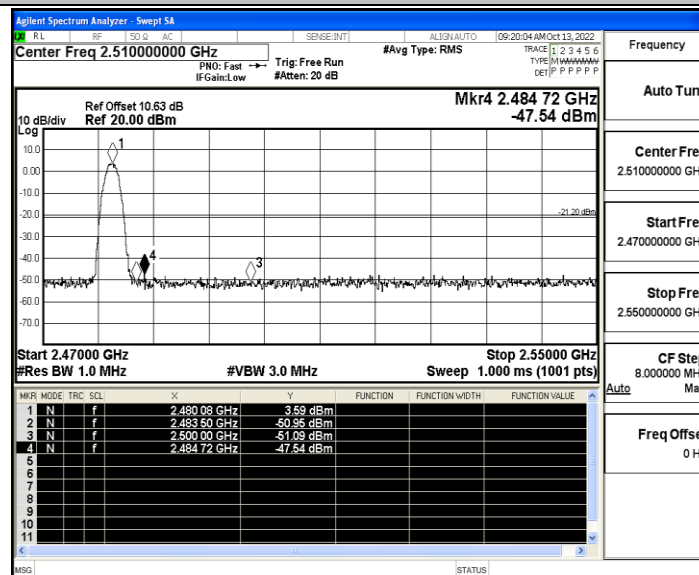


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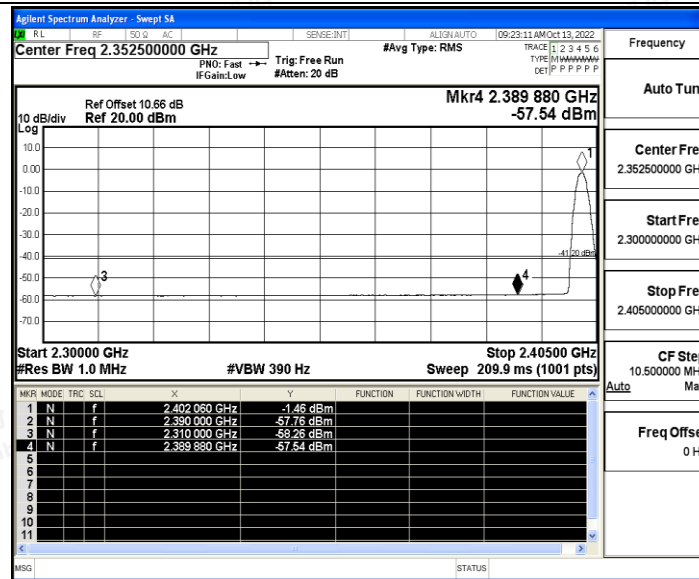


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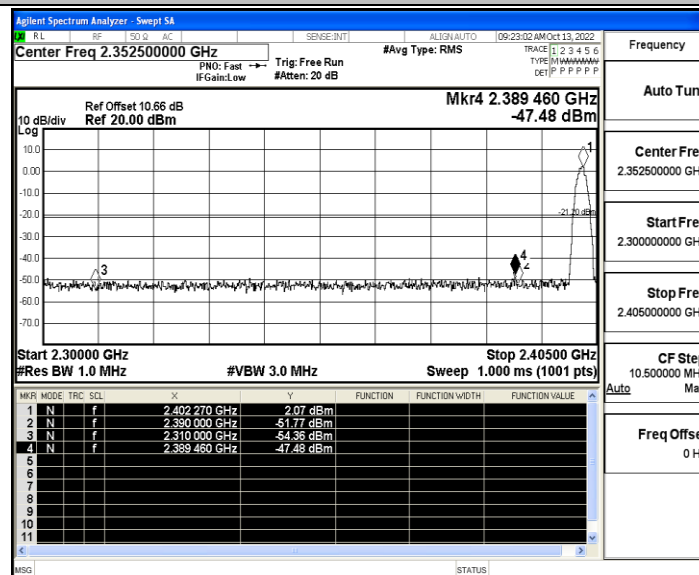


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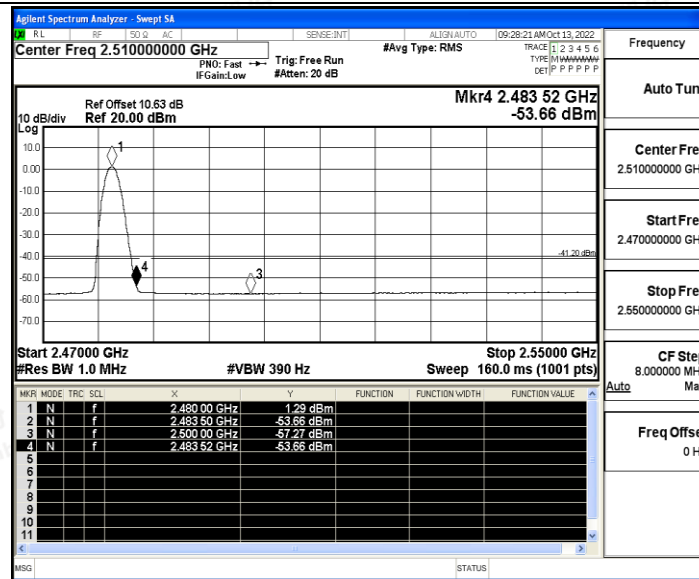


3DH5_Ant_Low_2402_Peak



3DH5_Ant_High_2480_AV





3DH5_Ant_High_2480_Peak

