



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: kids tablet pc

Test Model: PK81

Environmental Conditions

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





A.1 20dB Emission Bandwidth

Test Result

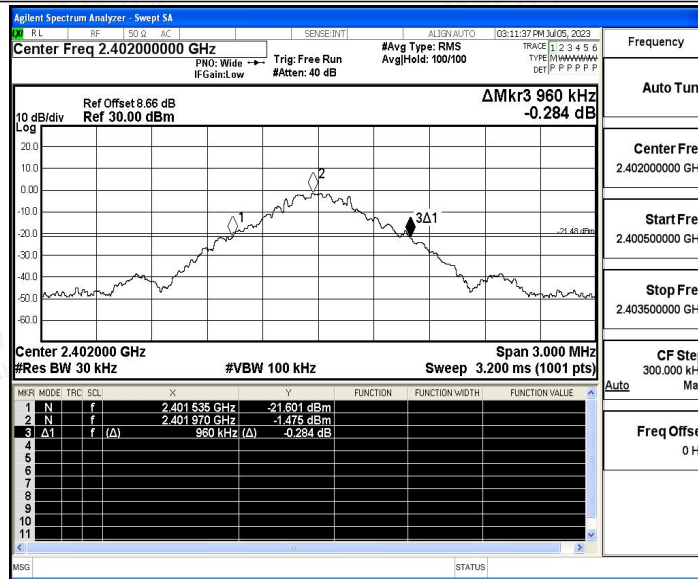
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.535	2402.495	---	---
		2441	0.972	2440.523	2441.495	---	---
		2480	1.032	2479.463	2480.495	---	---
2DH5	Ant1	2402	1.290	2401.358	2402.648	---	---
		2441	1.323	2440.331	2441.654	---	---
		2480	1.296	2479.355	2480.651	---	---
3DH5	Ant1	2402	1.305	2401.340	2402.645	---	---
		2441	1.302	2440.340	2441.642	---	---
		2480	1.302	2479.340	2480.642	---	---



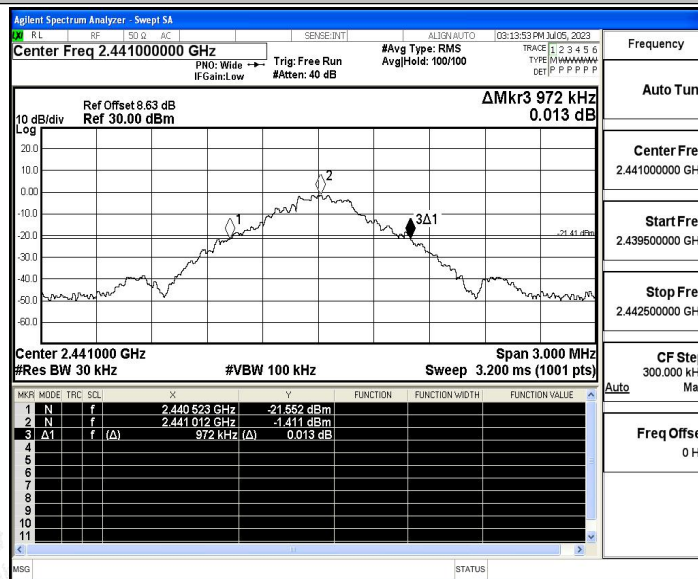


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

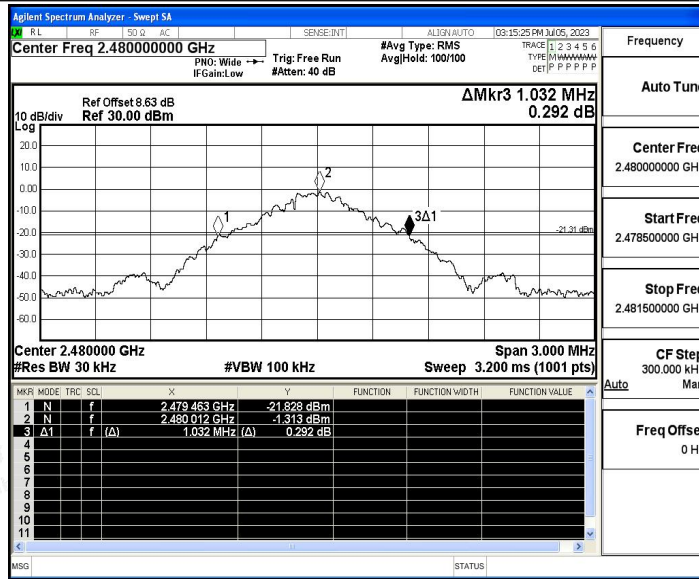


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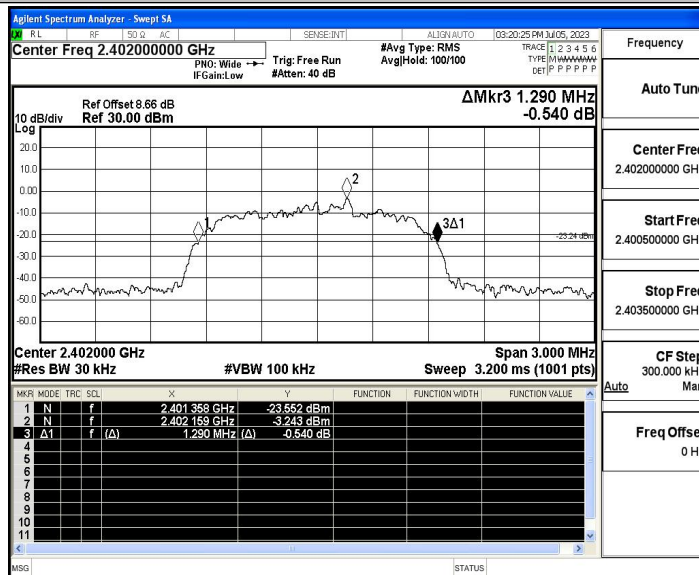
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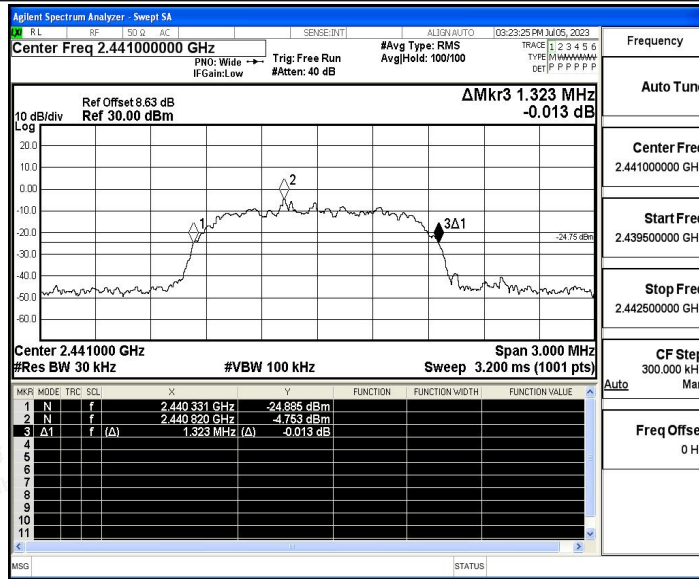


2DH5_Ant1_2402

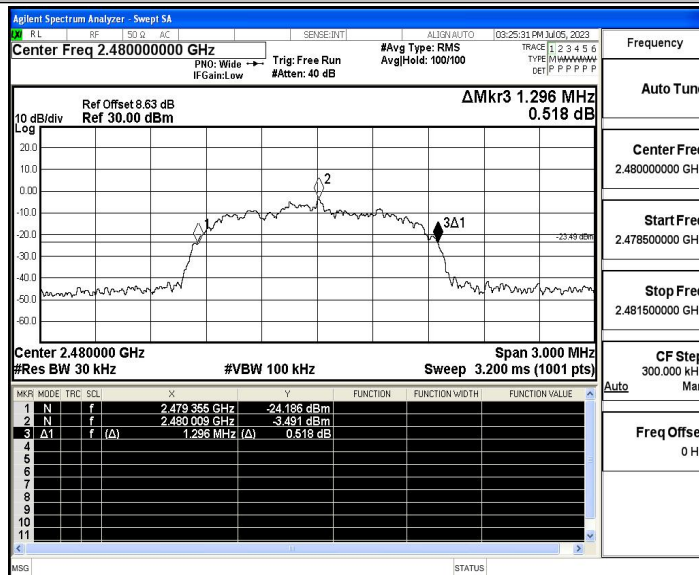


2DH5_Ant1_2441



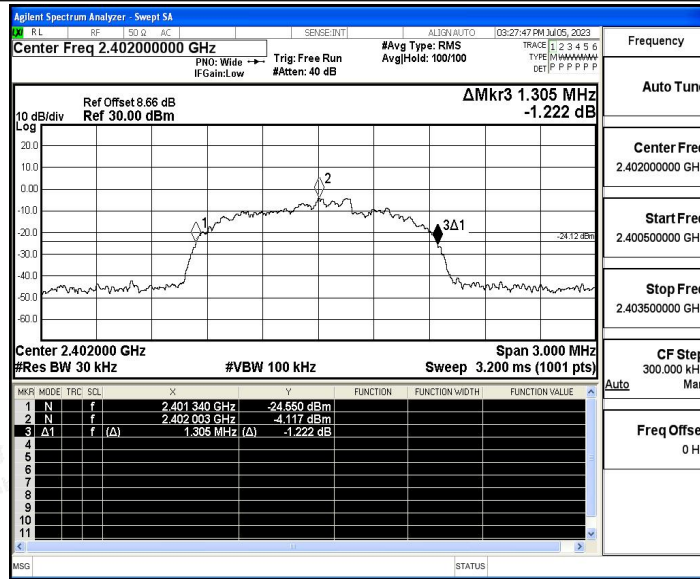


2DH5_Ant1_2480

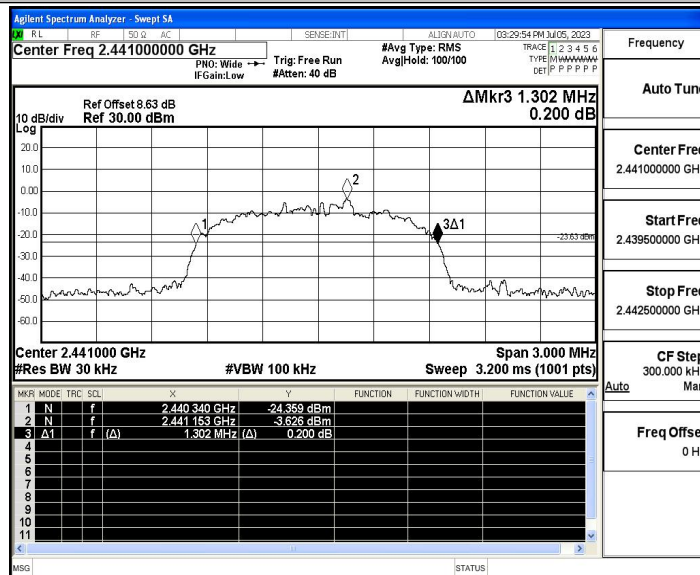


3DH5_Ant1_2402



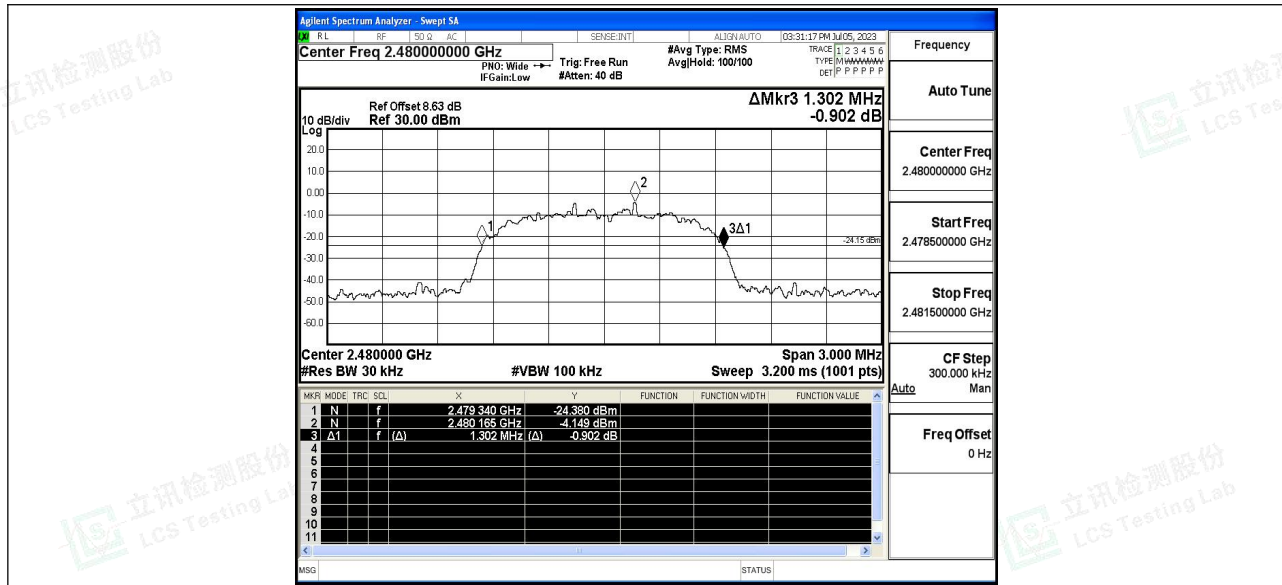


3DH5_Ant1_2441



3DH5_Ant1_2480





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A.2 Maximum conducted output power

Test Result Peak

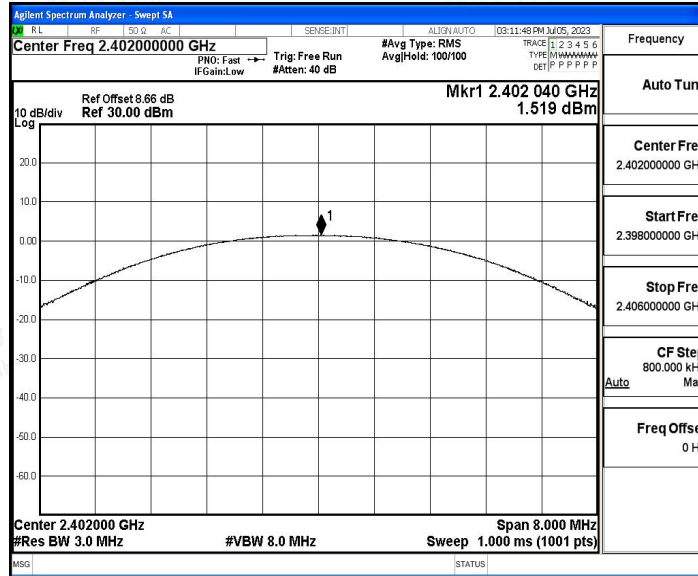
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.52	≤20.97	PASS
		2441	1.55	≤20.97	PASS
		2480	1.68	≤20.97	PASS
2DH5	Ant1	2402	1.07	≤20.97	PASS
		2441	1.11	≤20.97	PASS
		2480	1.33	≤20.97	PASS
3DH5	Ant1	2402	1.16	≤20.97	PASS
		2441	1.28	≤20.97	PASS
		2480	1.35	≤20.97	PASS



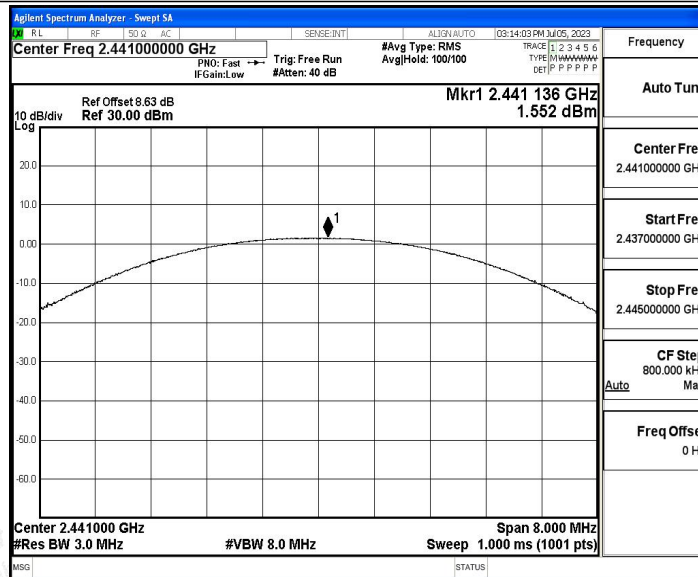


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

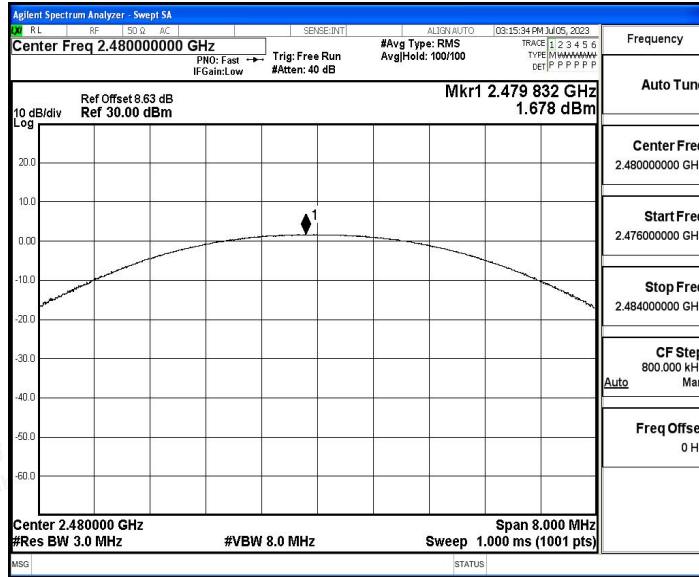


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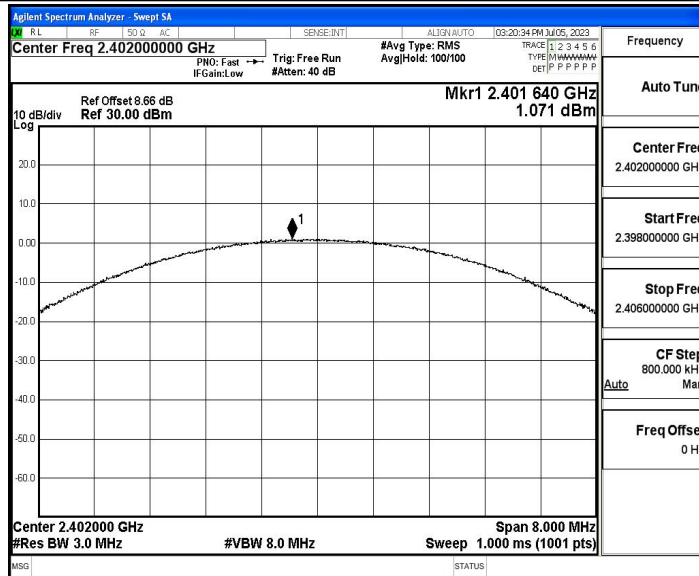
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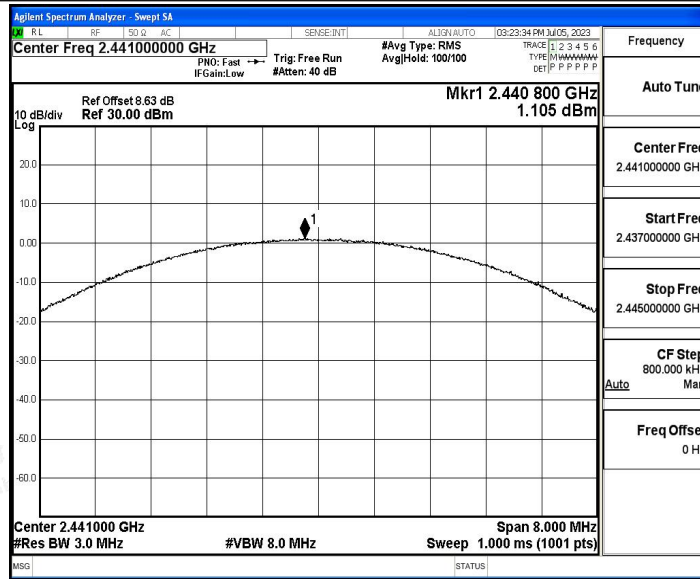


2DH5_Ant1_2402

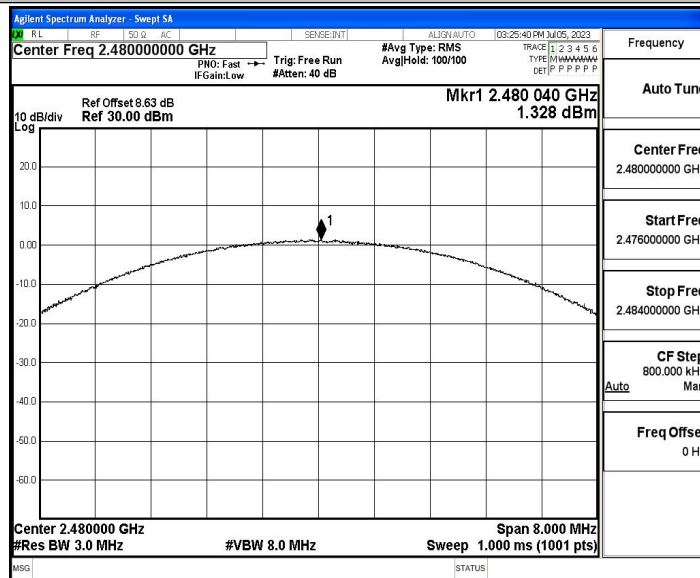


2DH5_Ant1_2441



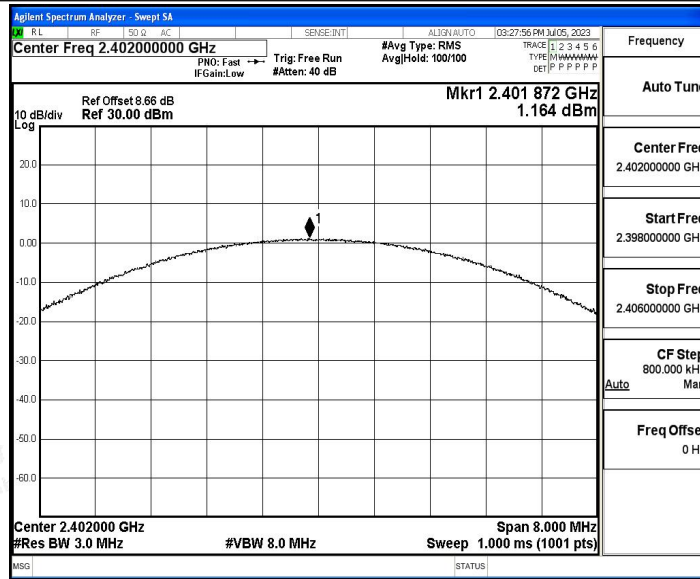


2DH5_Ant1_2480

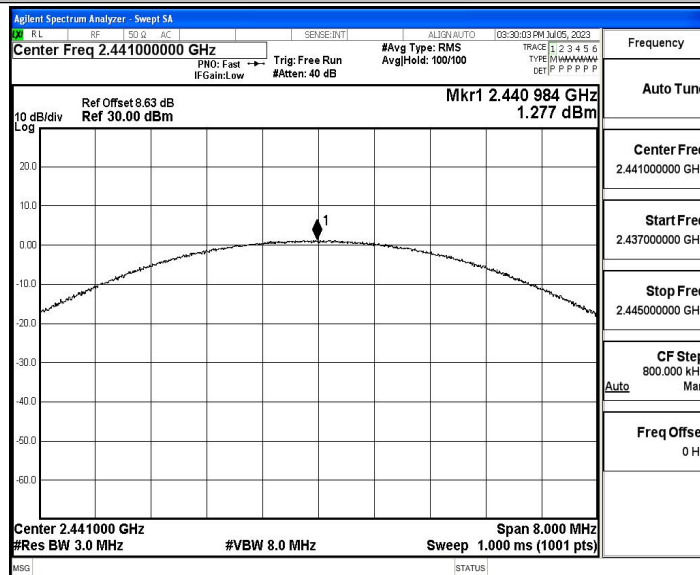


3DH5_Ant1_2402



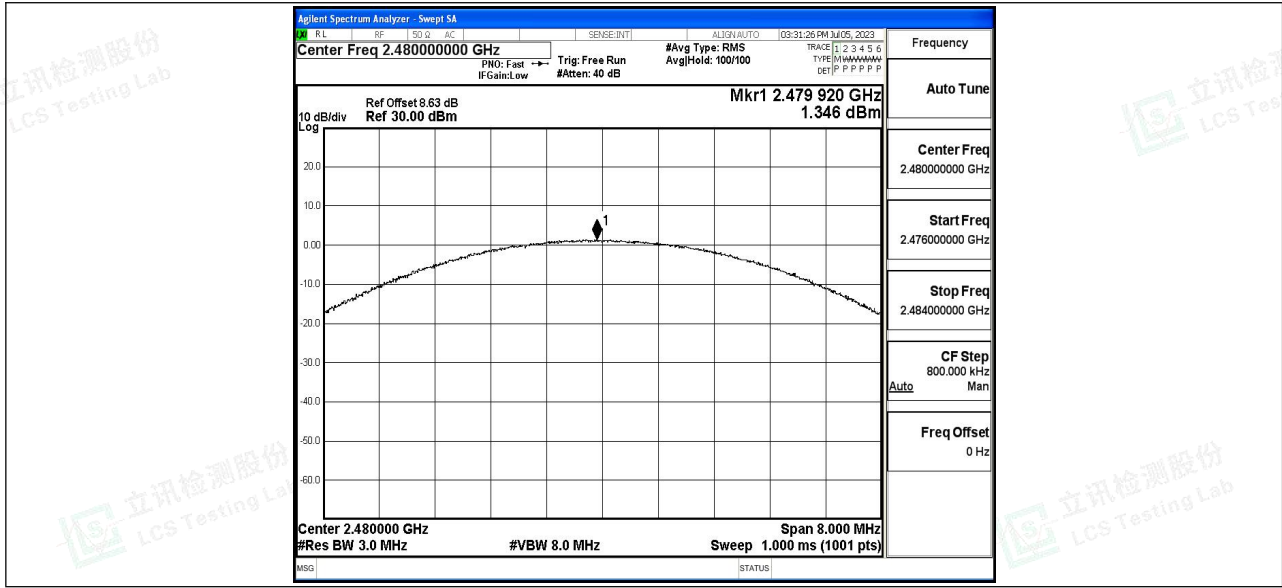


3DH5_Ant1_2441



3DH5_Ant1_2480







A.3 Carrier frequency separation

Test Result

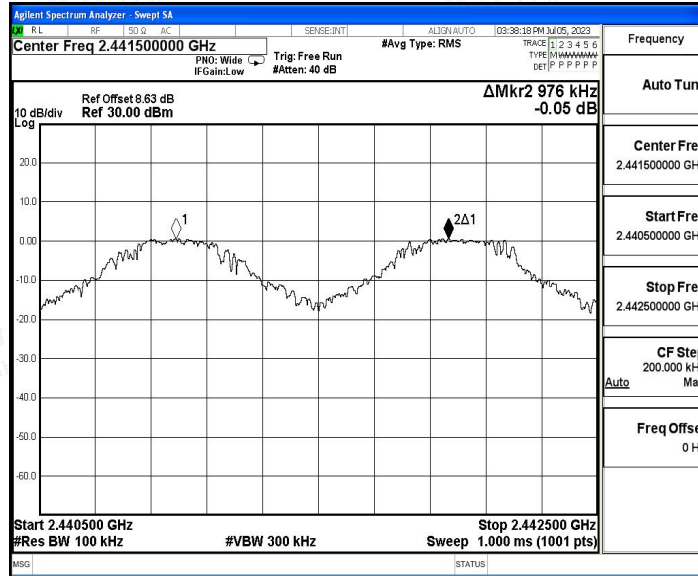
TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.976	≥ 0.688	PASS
2DH5	Ant1	Hop	0.976	≥ 0.882	PASS
3DH5	Ant1	Hop	1.188	≥ 0.870	PASS



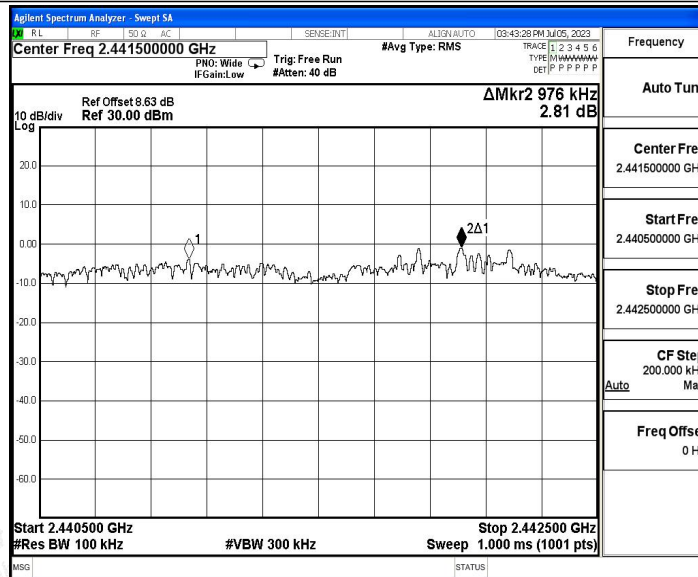


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

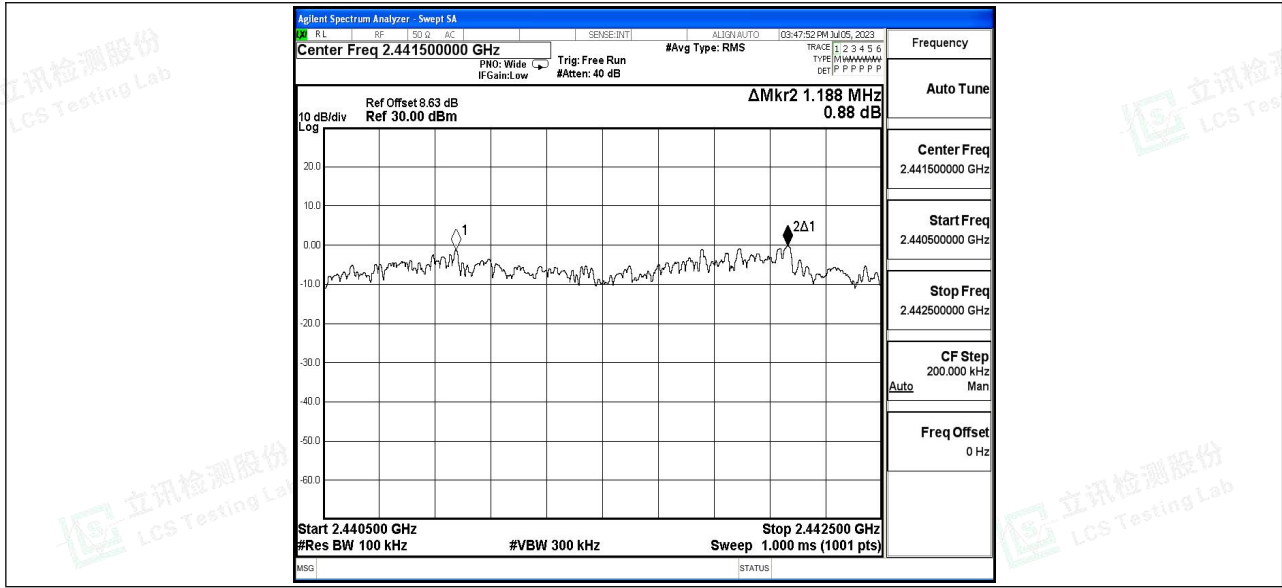


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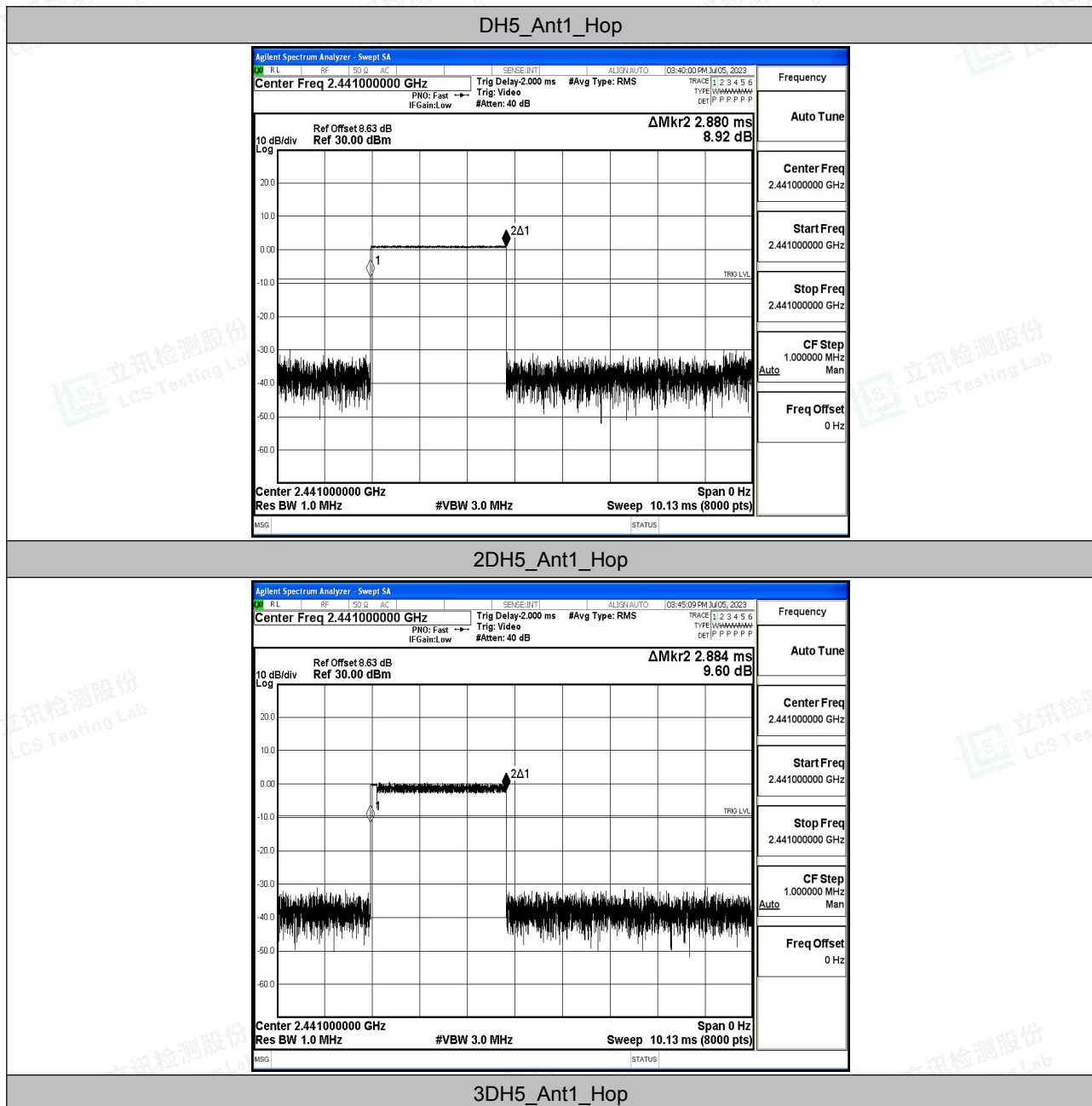
A.4 Time of occupancy

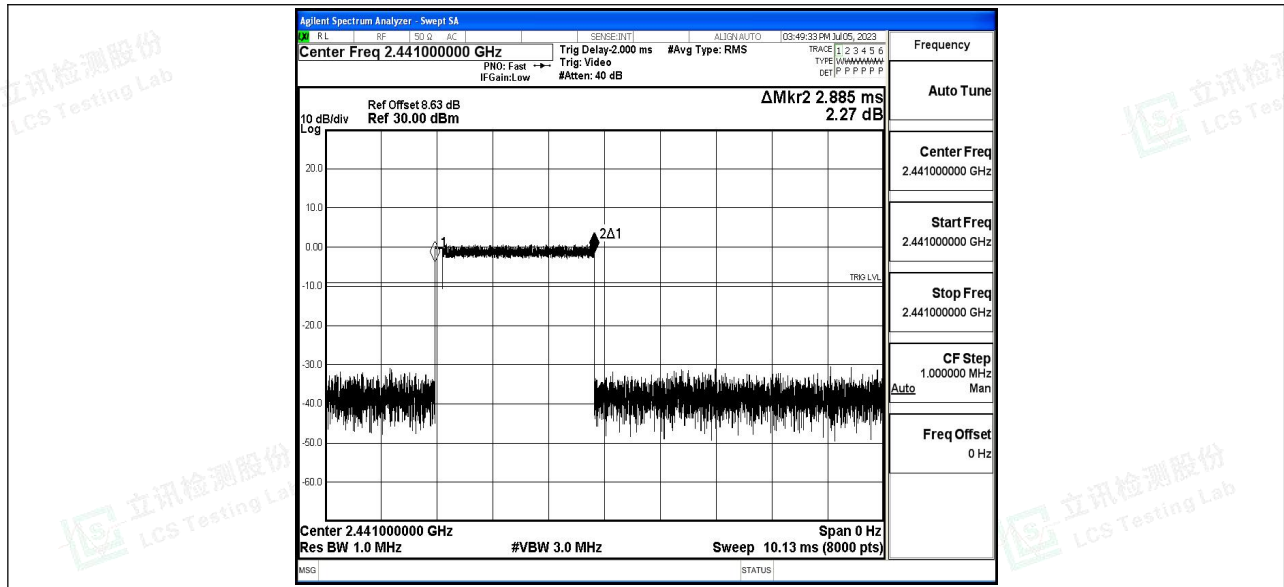
Test Result

TestMode	Antenna	Frequency[MHz]	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.6 Number of hopping channels

Test Result

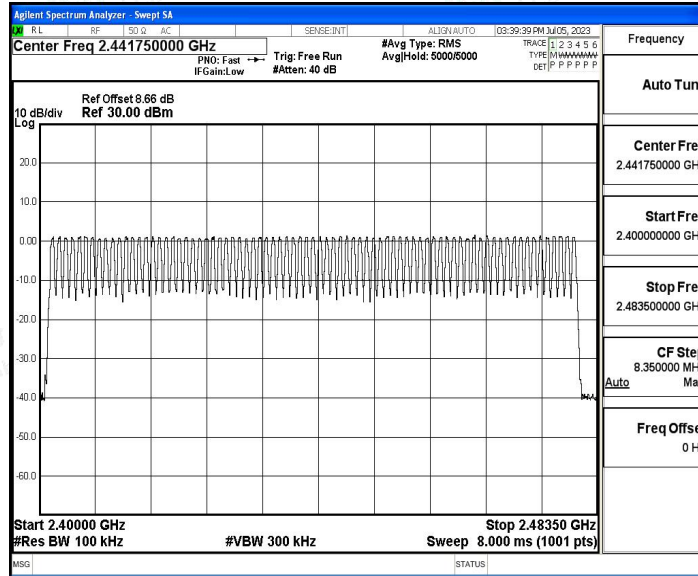
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



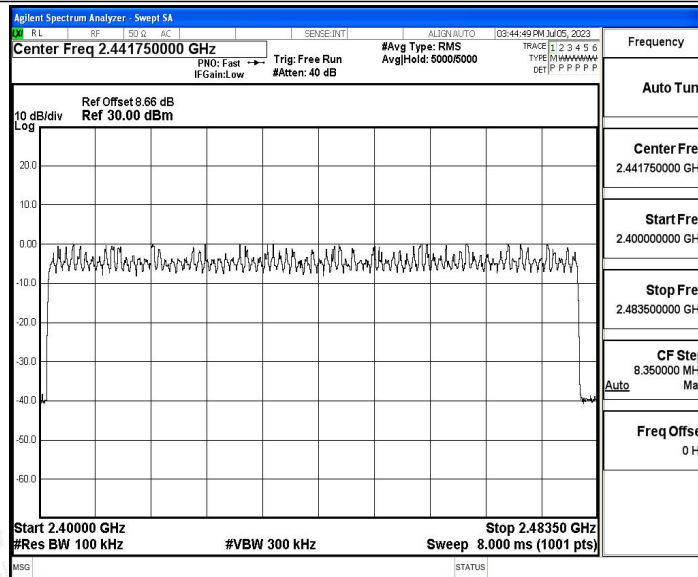


Test Graphs

DH5_Ant1_Hop

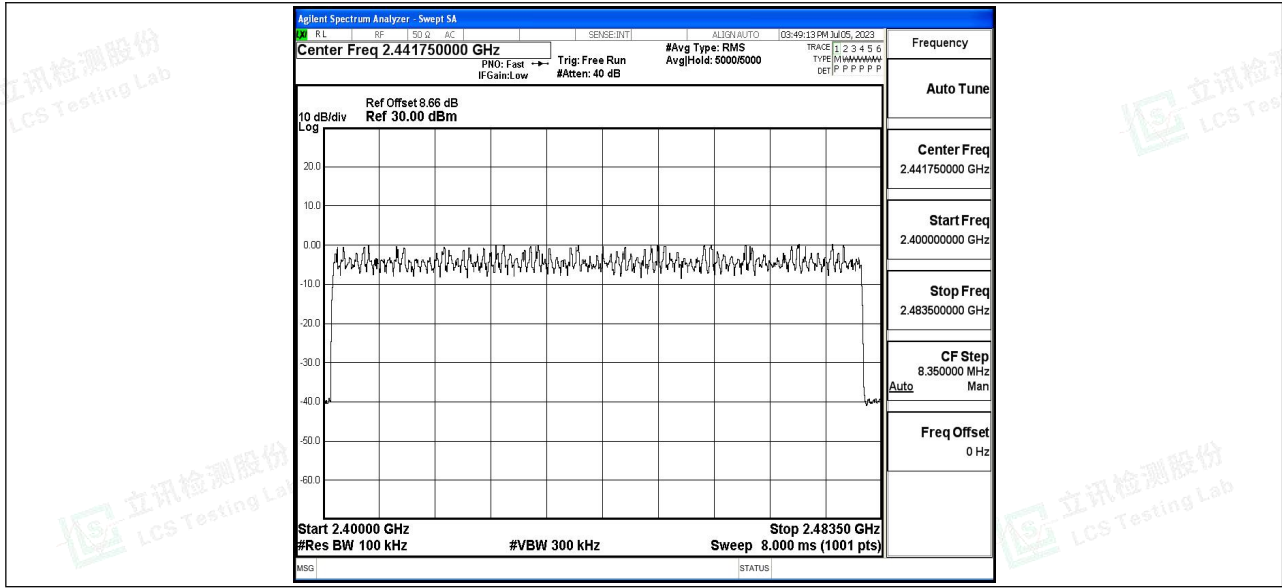


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.7 Band edge measurements

Test Result

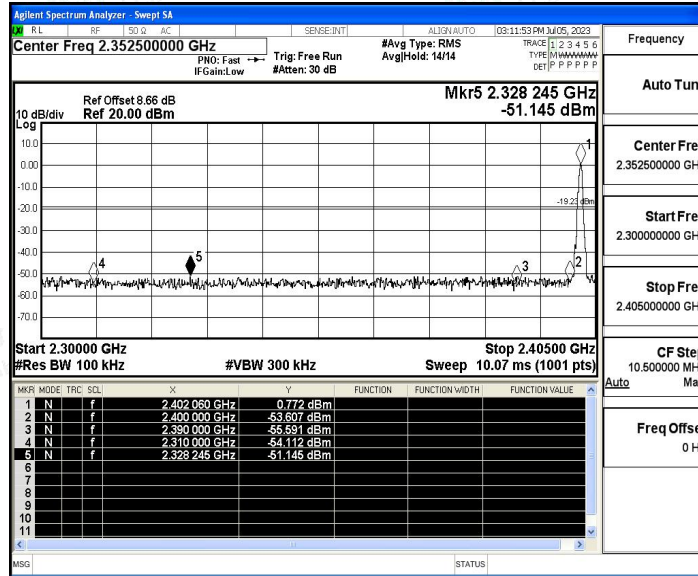
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.77	-51.15	≤ -19.23	PASS
		High	2480	0.41	-49.65	≤ -19.59	PASS
		Low	Hop_2402	0.02	-48.77	≤ -19.98	PASS
		High	Hop_2480	0.95	-47.66	≤ -19.05	PASS
2DH5	Ant1	Low	2402	-1.71	-49.72	≤ -21.71	PASS
		High	2480	-4.86	-49.62	≤ -24.86	PASS
		Low	Hop_2402	-2.06	-49.34	≤ -22.06	PASS
		High	Hop_2480	0.03	-47.73	≤ -19.97	PASS
3DH5	Ant1	Low	2402	-5.21	-49.5	≤ -25.21	PASS
		High	2480	-4.55	-49.14	≤ -24.55	PASS
		Low	Hop_2402	-4.64	-49.23	≤ -24.64	PASS
		High	Hop_2480	-0.56	-46.96	≤ -20.56	PASS



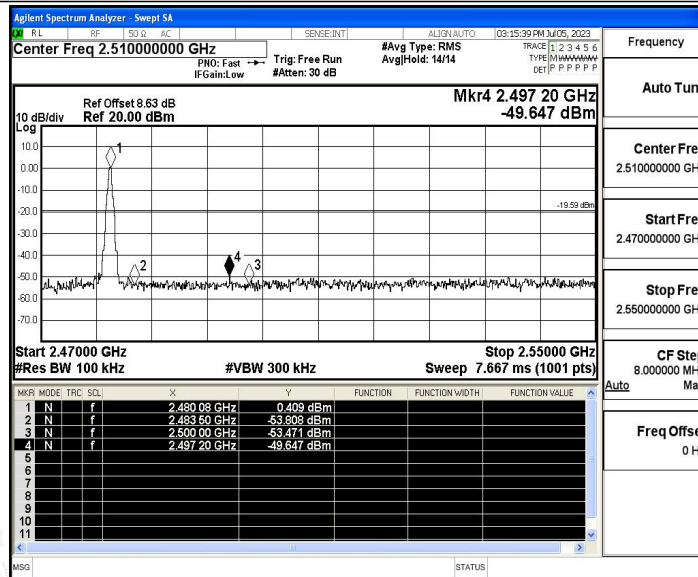


Test Graphs

DH5_Ant1_Low_2402

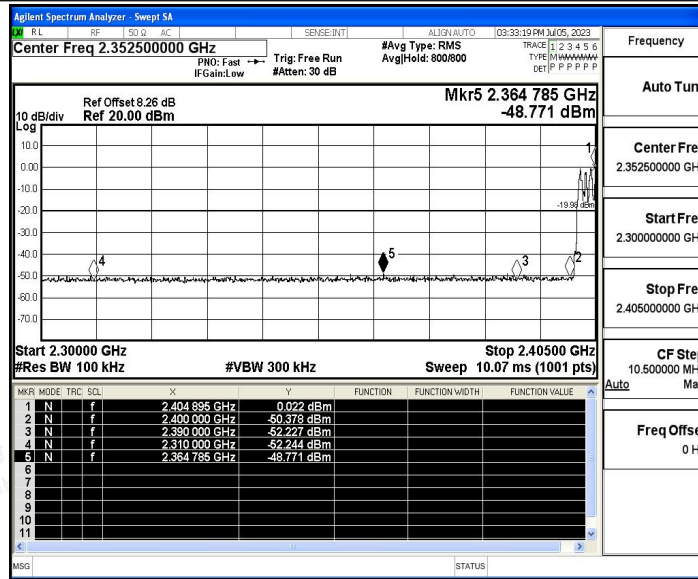


DH5_Ant1_High_2480

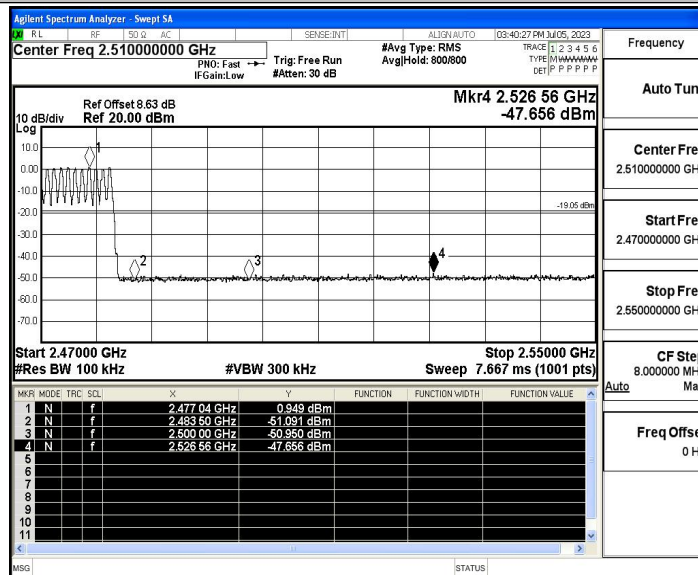


DH5_Ant1_Low_Hop_2402





DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

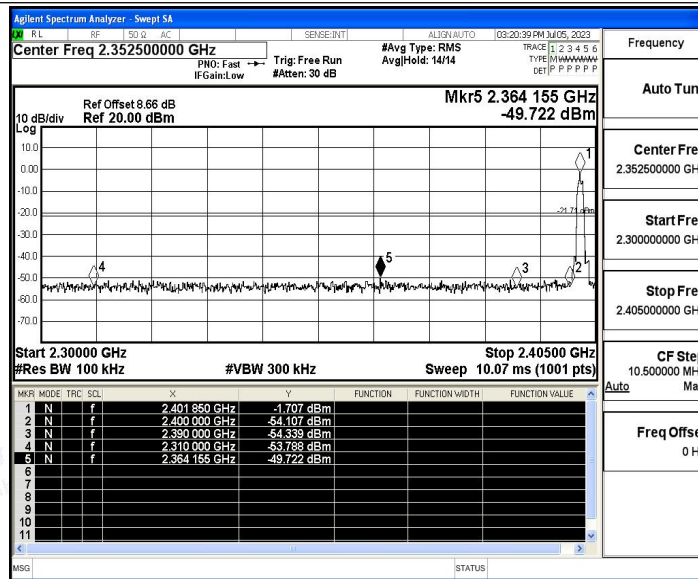


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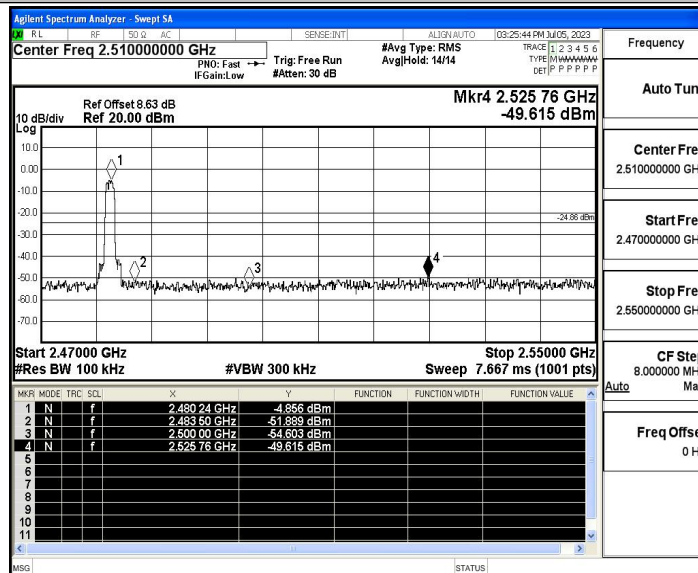
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

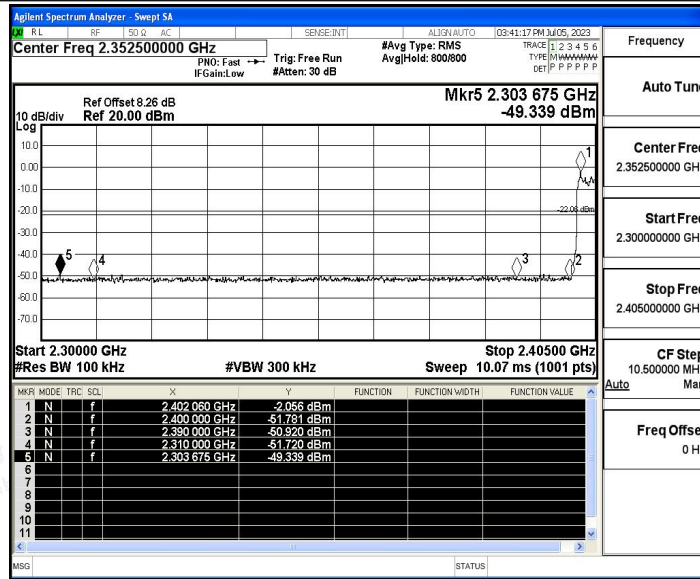


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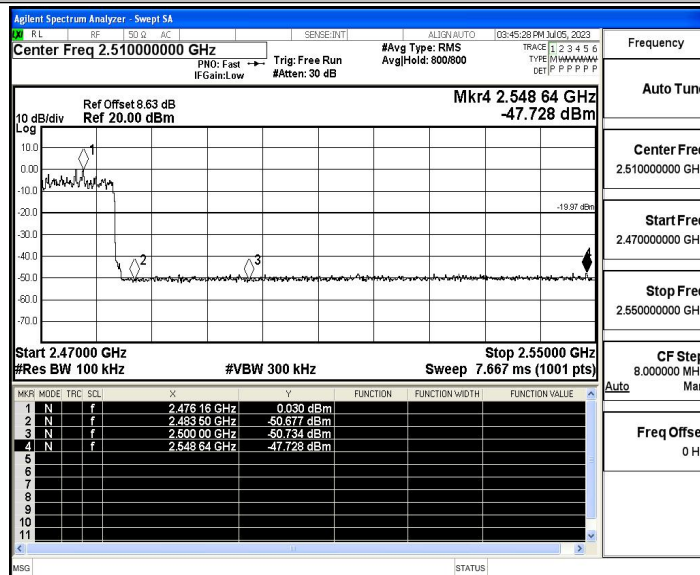
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2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

