



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: WCDMA digital mobile phone

Test Model: XS15

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu



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A.1 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	1.026	2401.442	2402.468	PASS
		2441	1.005	2440.469	2441.474	PASS
		2480	1.020	2479.448	2480.468	PASS
2DH5	Ant1	2402	1.323	2401.316	2402.639	PASS
		2441	1.290	2440.343	2441.633	PASS
		2480	1.290	2479.340	2480.630	PASS
3DH5	Ant1	2402	1.305	2401.328	2402.633	PASS
		2441	1.320	2440.322	2441.642	PASS
		2480	1.290	2479.337	2480.627	PASS



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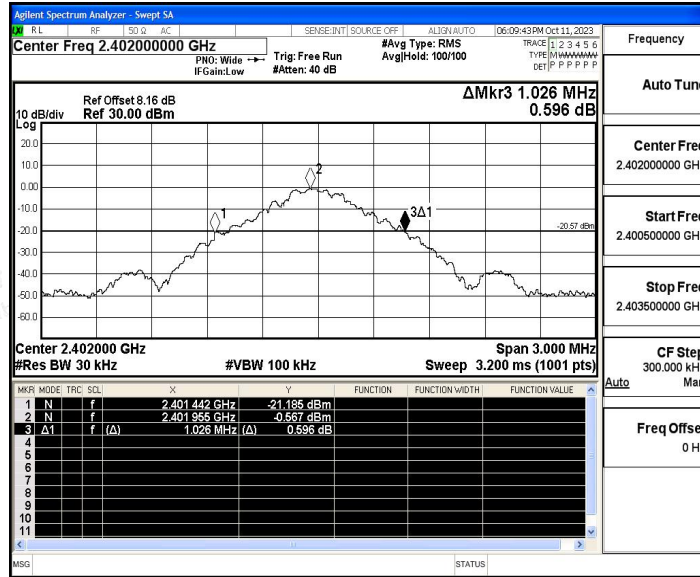
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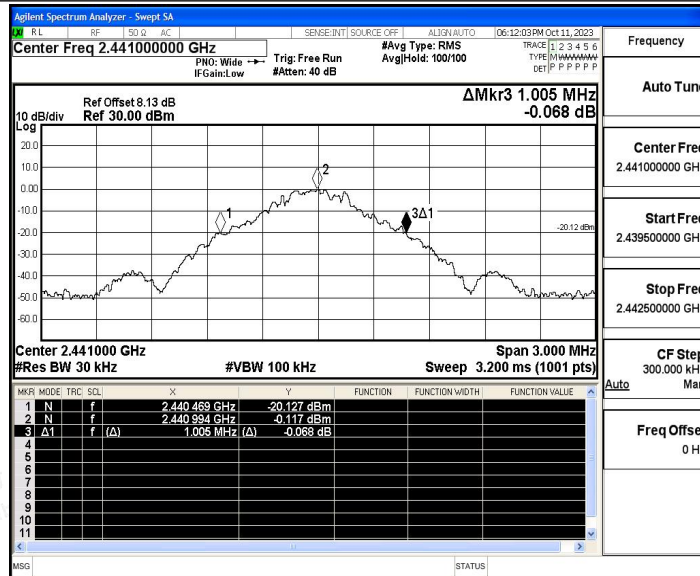


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

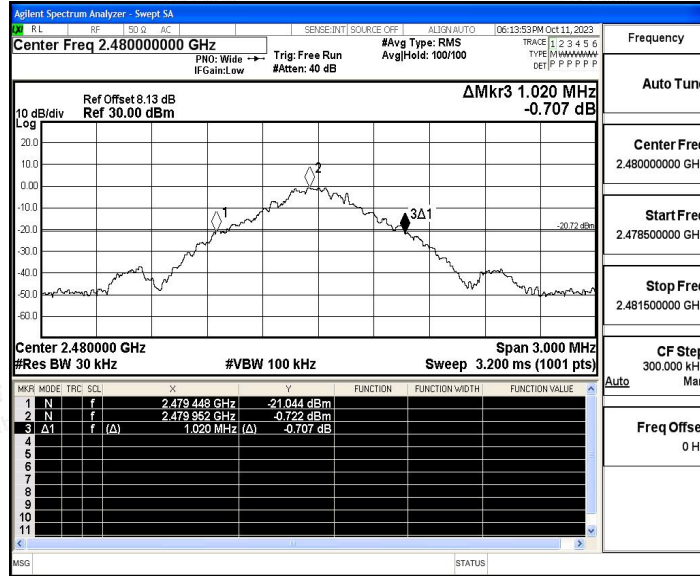


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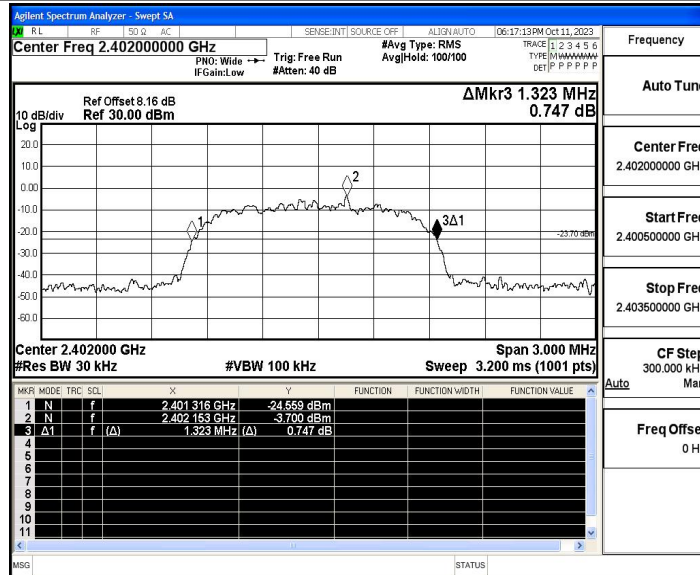
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2DH5_Ant1_2402



2DH5_Ant1_2441

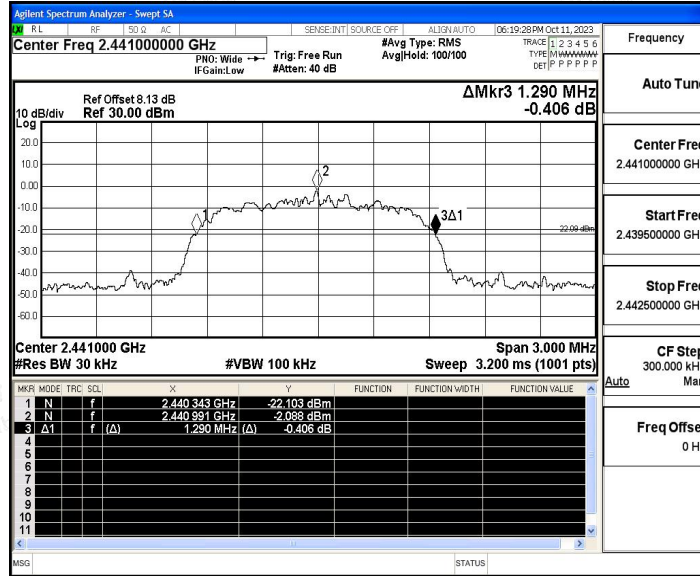


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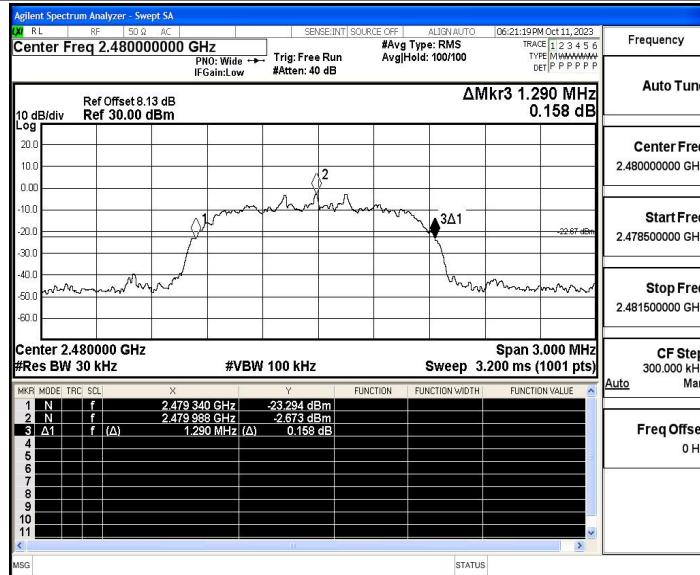
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2DH5_Ant1_2480



3DH5_Ant1_2402

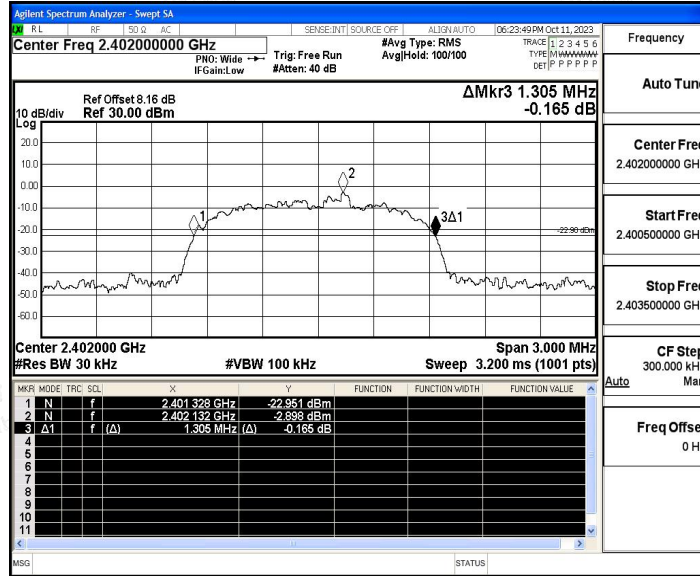


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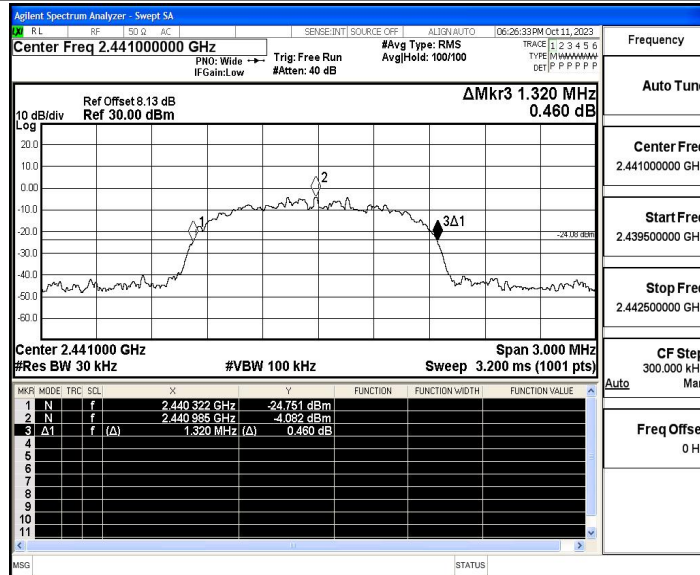
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3DH5_Ant1_2441



3DH5_Ant1_2480



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A.2 Maximum conducted output power

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.51	≤20.97	PASS
		2441	2.77	≤20.97	PASS
		2480	2.39	≤20.97	PASS
2DH5	Ant1	2402	2.17	≤20.97	PASS
		2441	2.63	≤20.97	PASS
		2480	1.94	≤20.97	PASS
3DH5	Ant1	2402	2.22	≤20.97	PASS
		2441	2.66	≤20.97	PASS
		2480	2.15	≤20.97	PASS



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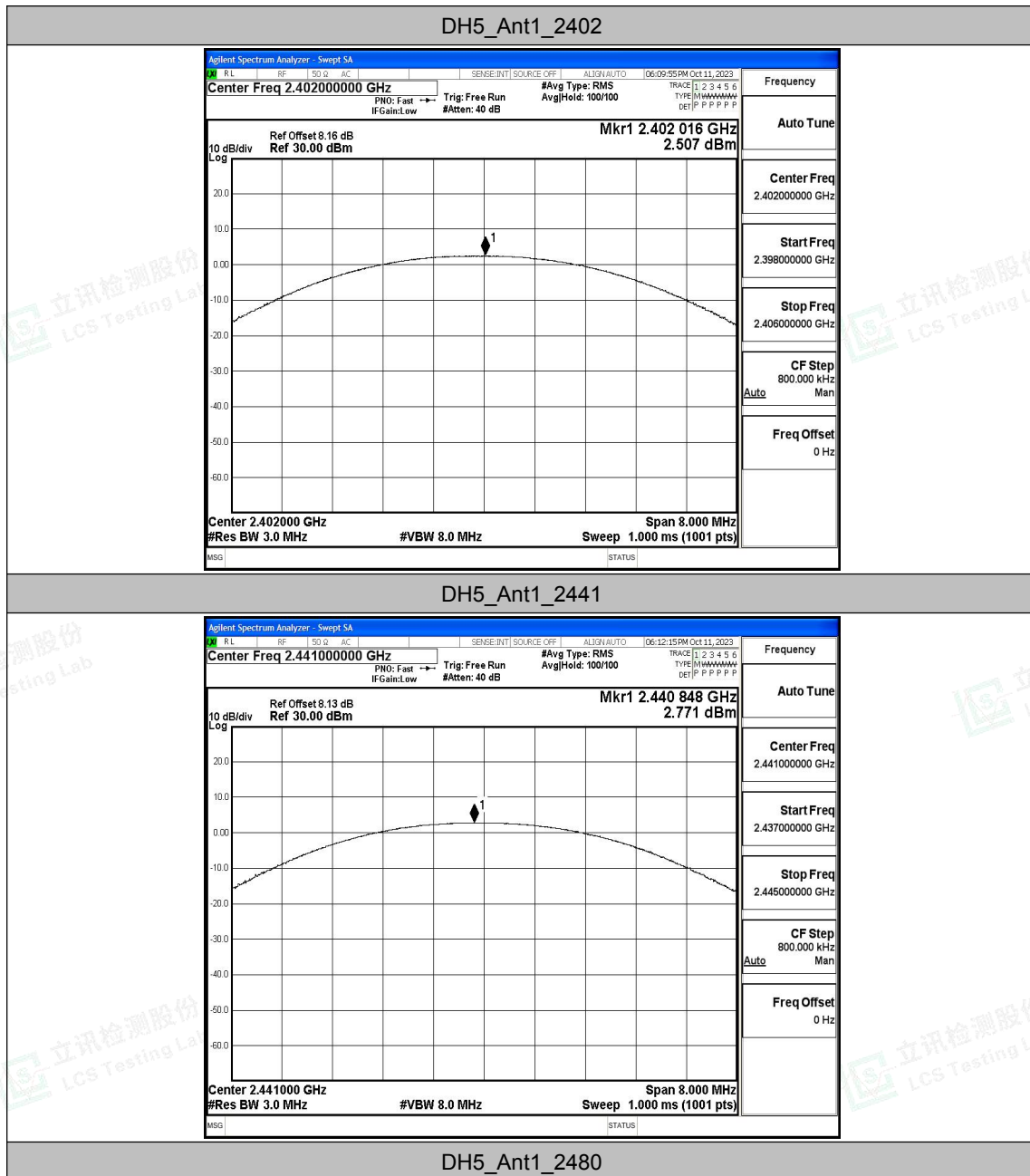
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Test Graphs

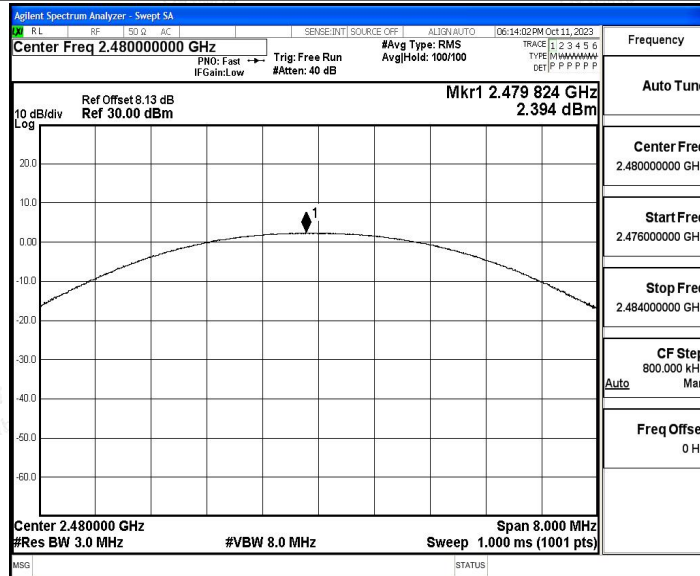


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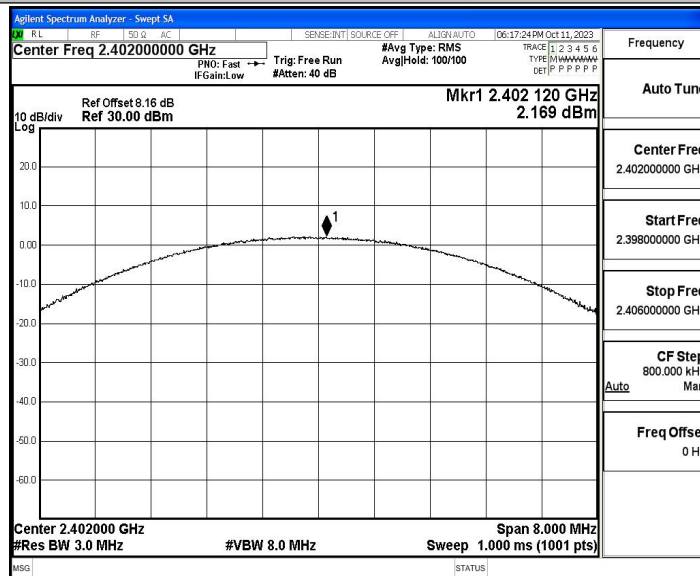
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2DH5_Ant1_2402



2DH5_Ant1_2441

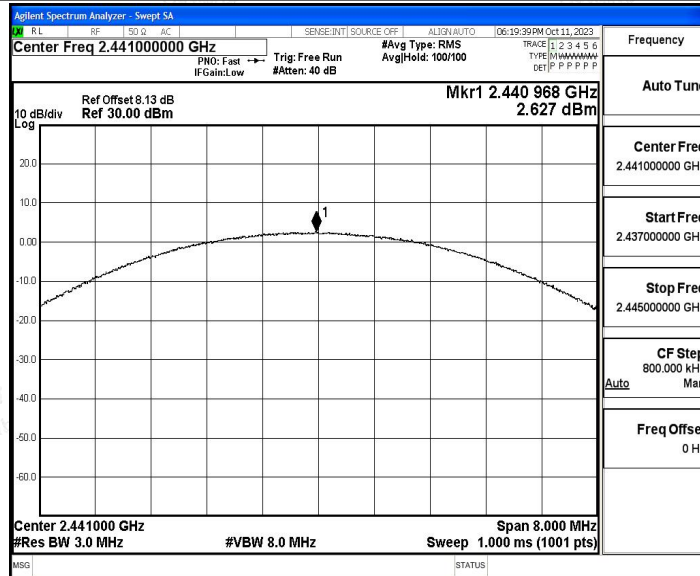


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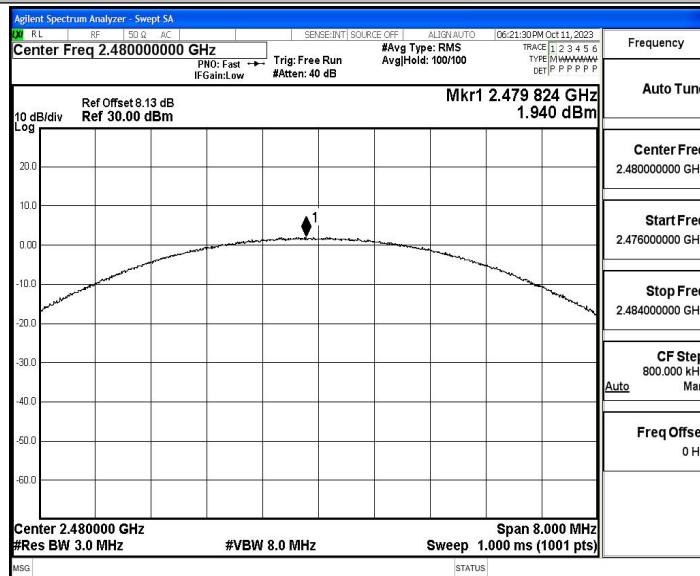
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2DH5_Ant1_2480



3DH5_Ant1_2402

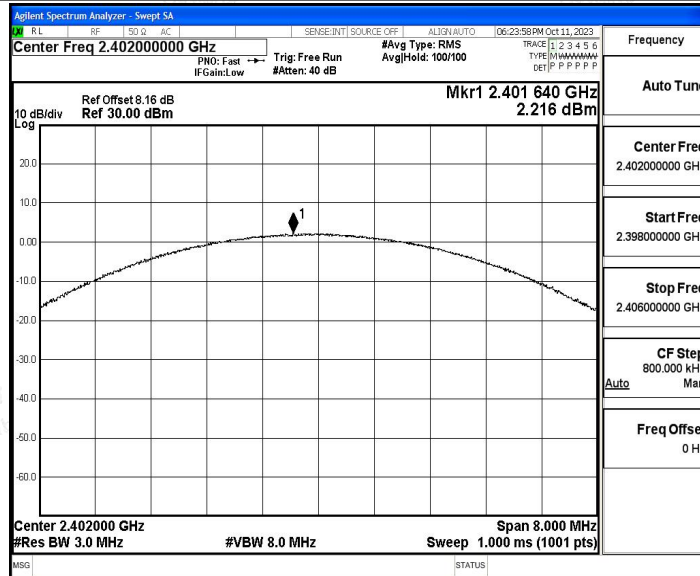


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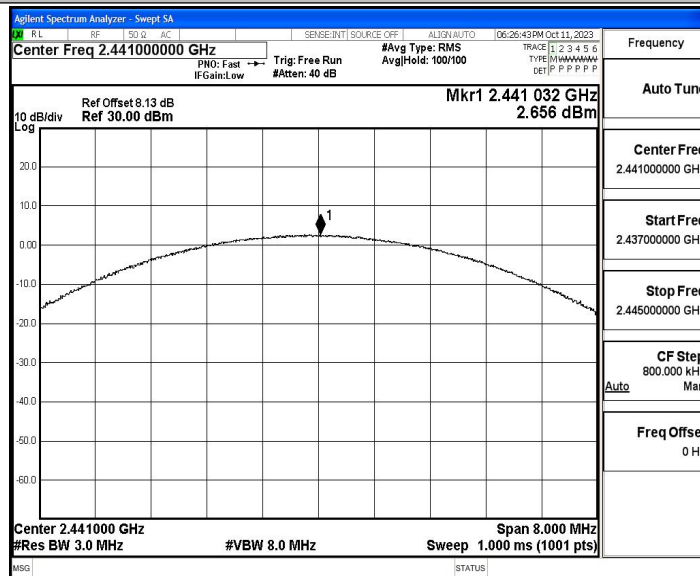
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3DH5_Ant1_2441



3DH5_Ant1_2480

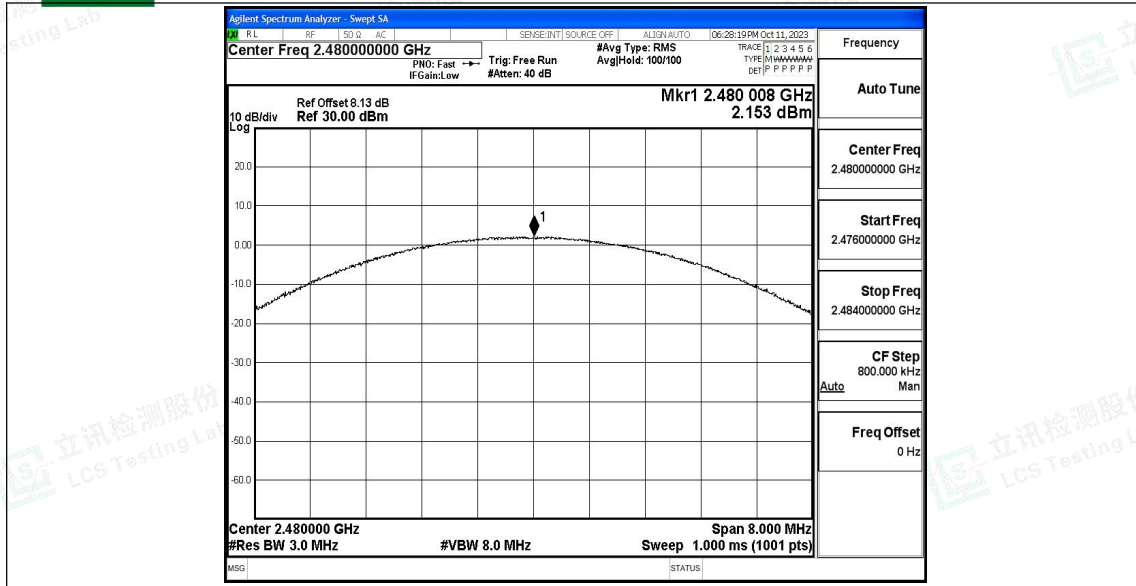


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A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.684	PASS
2DH5	Ant1	Hop	1.172	≥ 0.882	PASS
3DH5	Ant1	Hop	0.968	≥ 0.880	PASS



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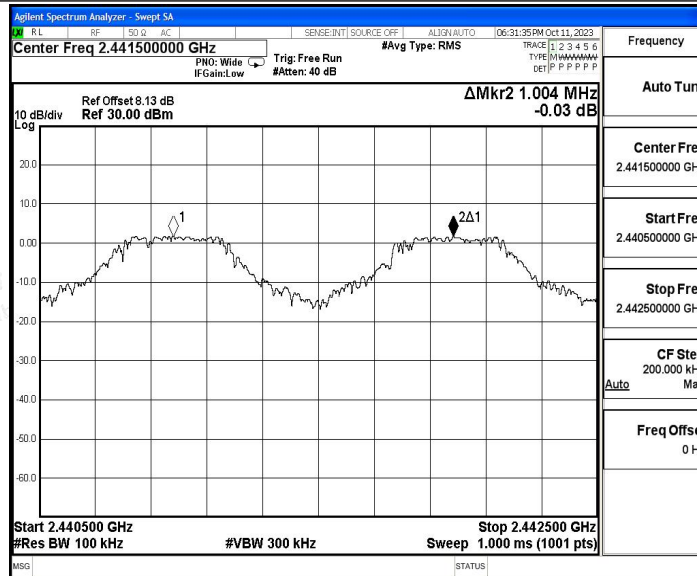
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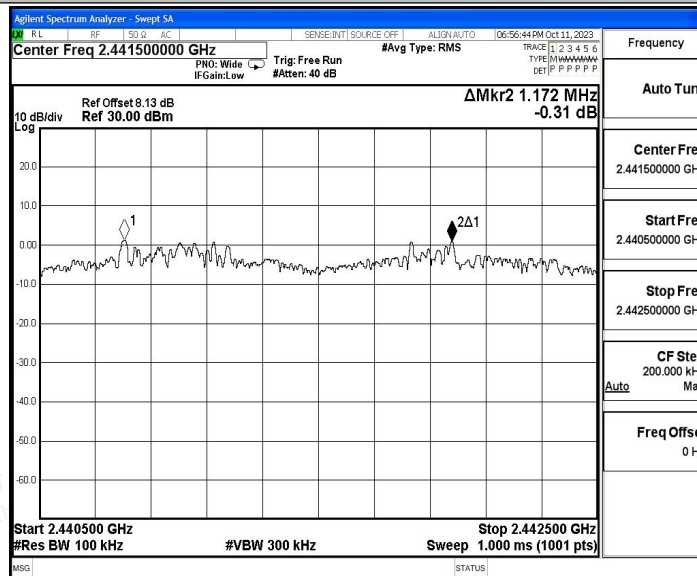


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

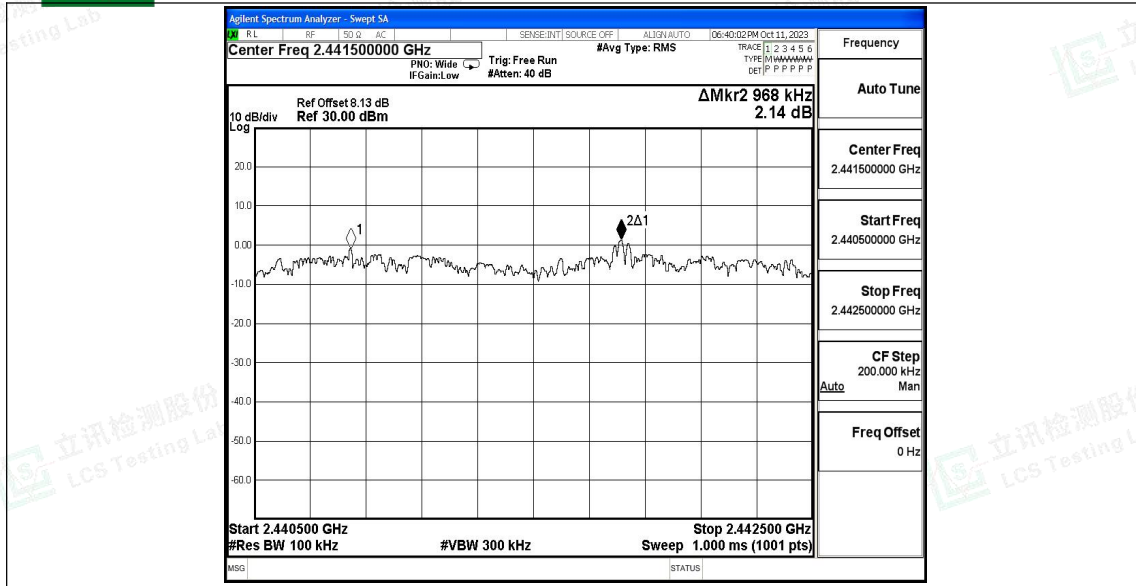


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A.4 Time of occupancy

Test Result

TestMode	Antenna	Freq(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



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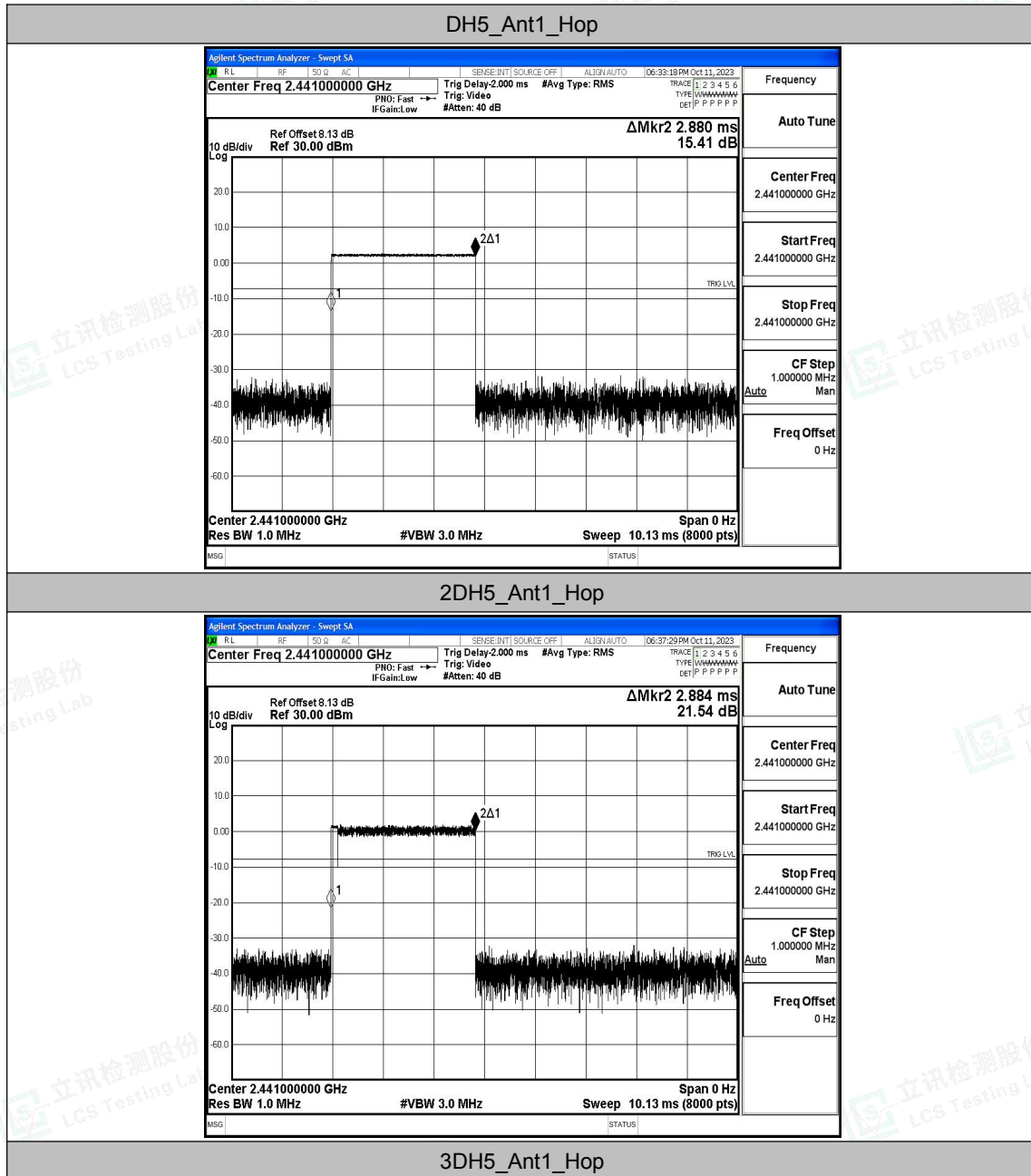
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Test Graphs

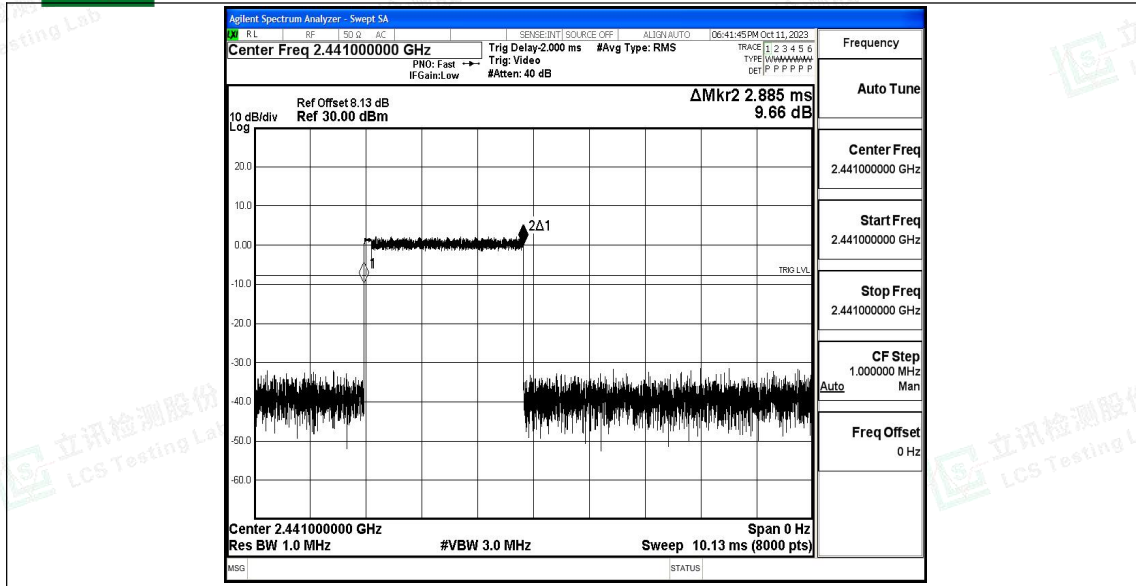


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A.5 Number of hopping channels

Test Result

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



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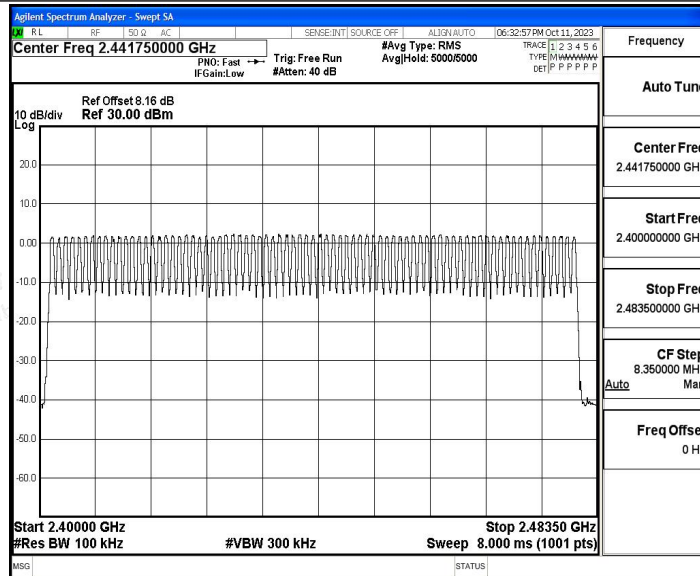
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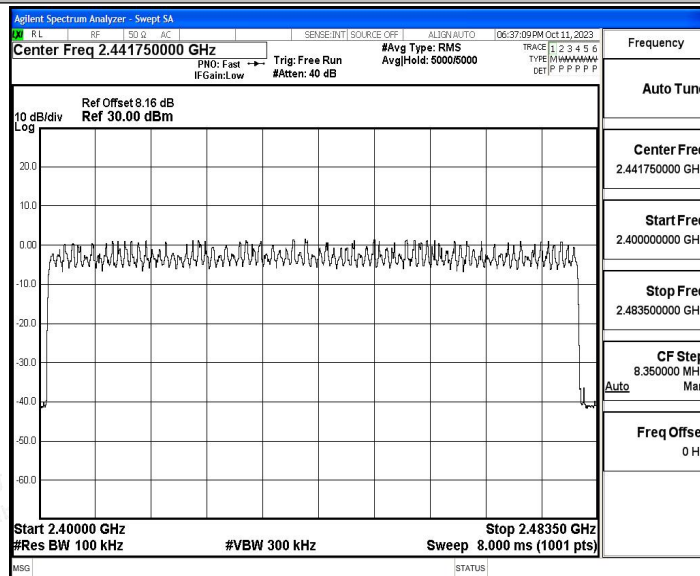


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

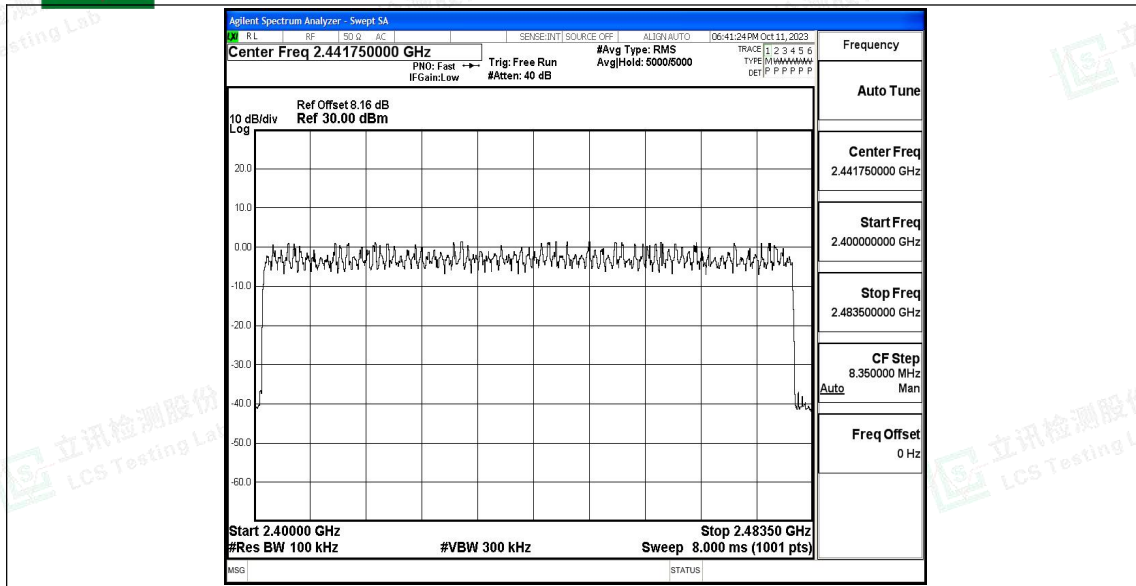


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A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.40	-50.57	≤-18.6	PASS
		High	2480	1.66	-49.99	≤-18.34	PASS
		Low	Hop_2402	0.92	-49.6	≤-19.08	PASS
		High	Hop_2480	1.80	-49.13	≤-18.2	PASS
2DH5	Ant1	Low	2402	-2.73	-51.01	≤-22.73	PASS
		High	2480	-2.92	-50.72	≤-22.92	PASS
		Low	Hop_2402	-0.34	-49.72	≤-20.34	PASS
		High	Hop_2480	0.23	-49.6	≤-19.77	PASS
3DH5	Ant1	Low	2402	-2.89	-50.14	≤-22.89	PASS
		High	2480	0.85	-51.26	≤-19.15	PASS
		Low	Hop_2402	-2.93	-49.43	≤-22.93	PASS
		High	Hop_2480	0.91	-49.26	≤-19.09	PASS



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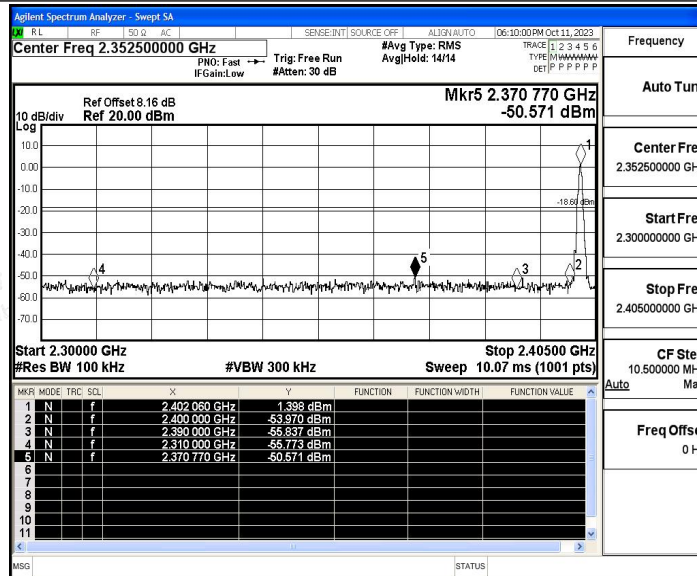
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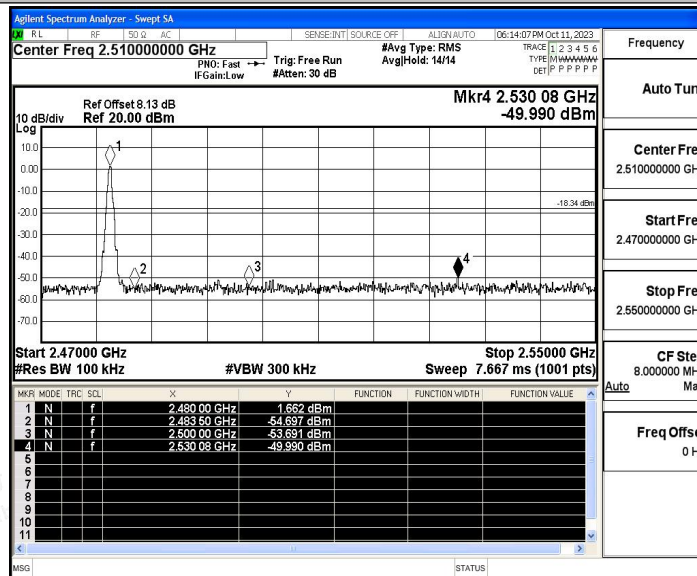


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

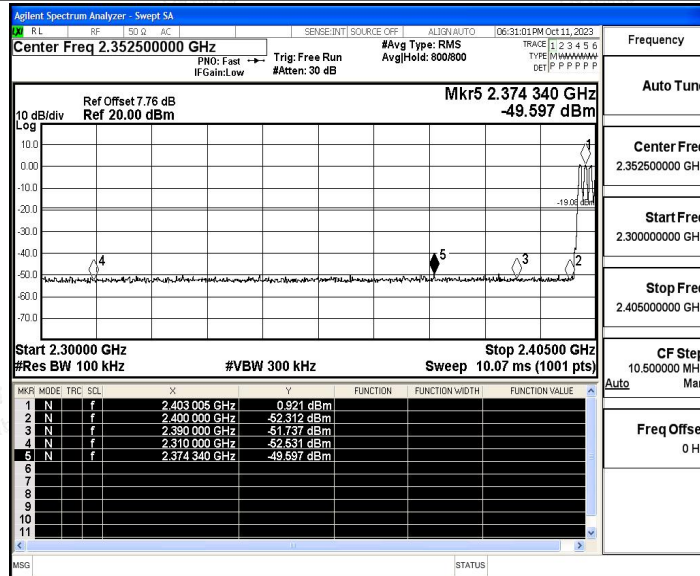


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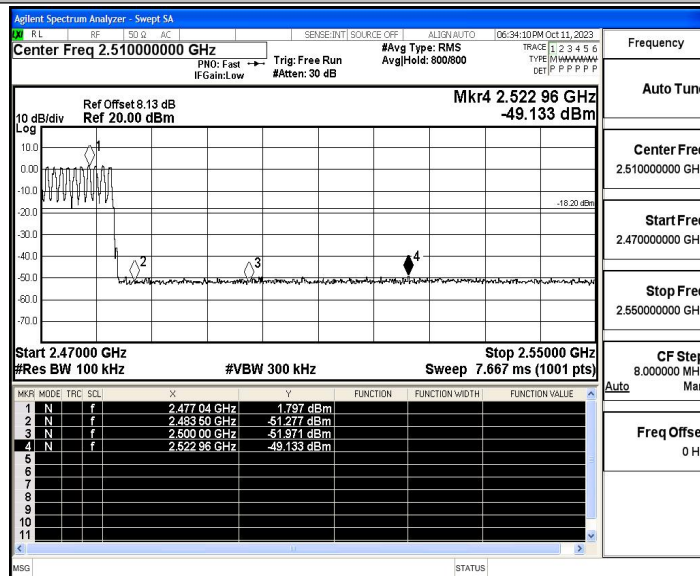
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

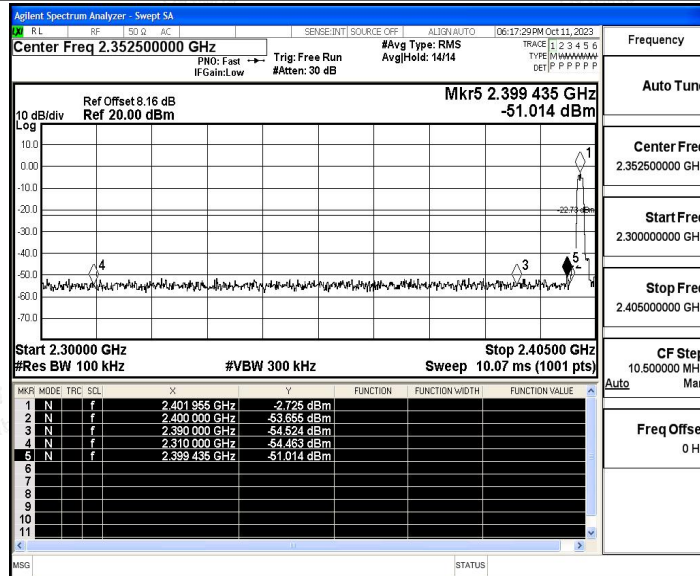


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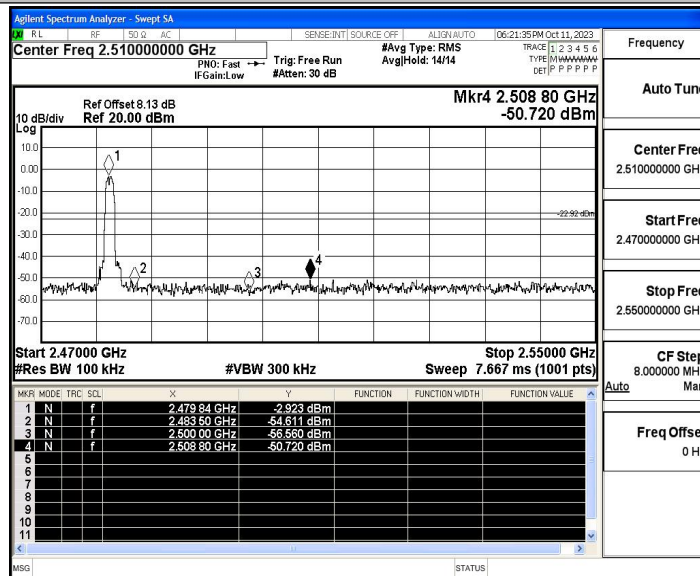
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

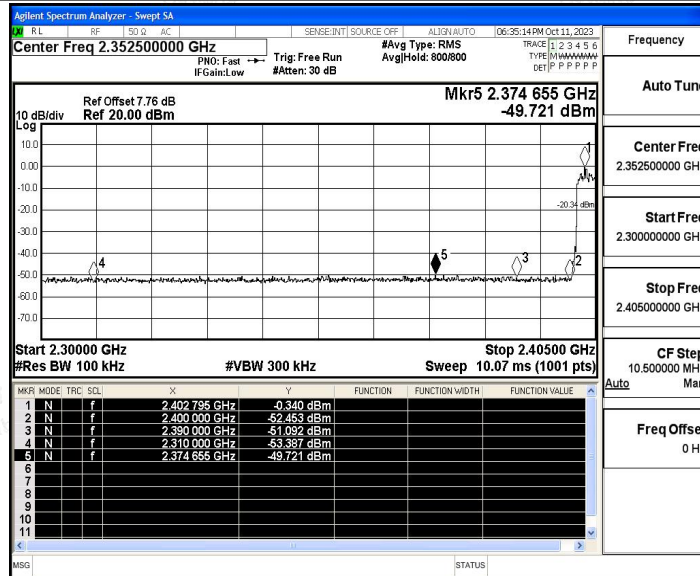


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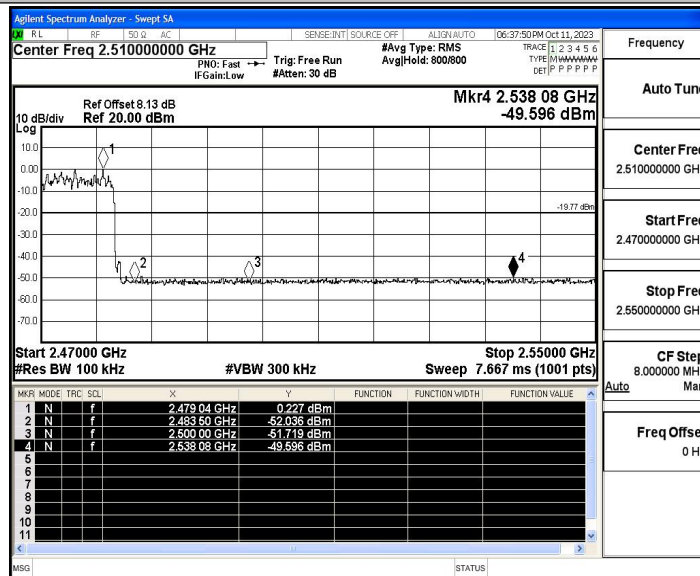
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2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

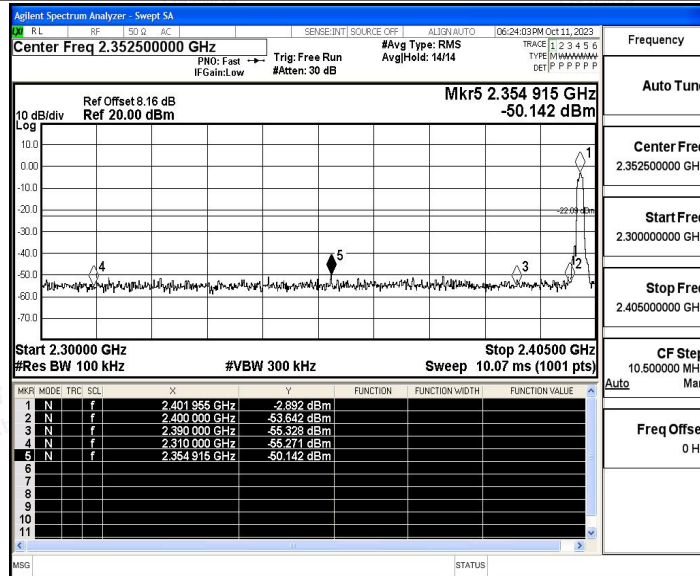


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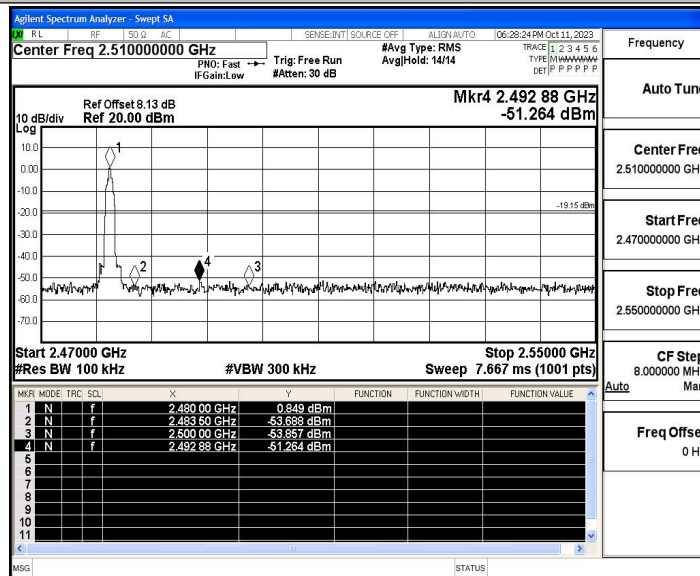
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3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



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