



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Flex S1 pro

Test Model: MF-BHD04

Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan



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A.1 20dB Emission Bandwidth

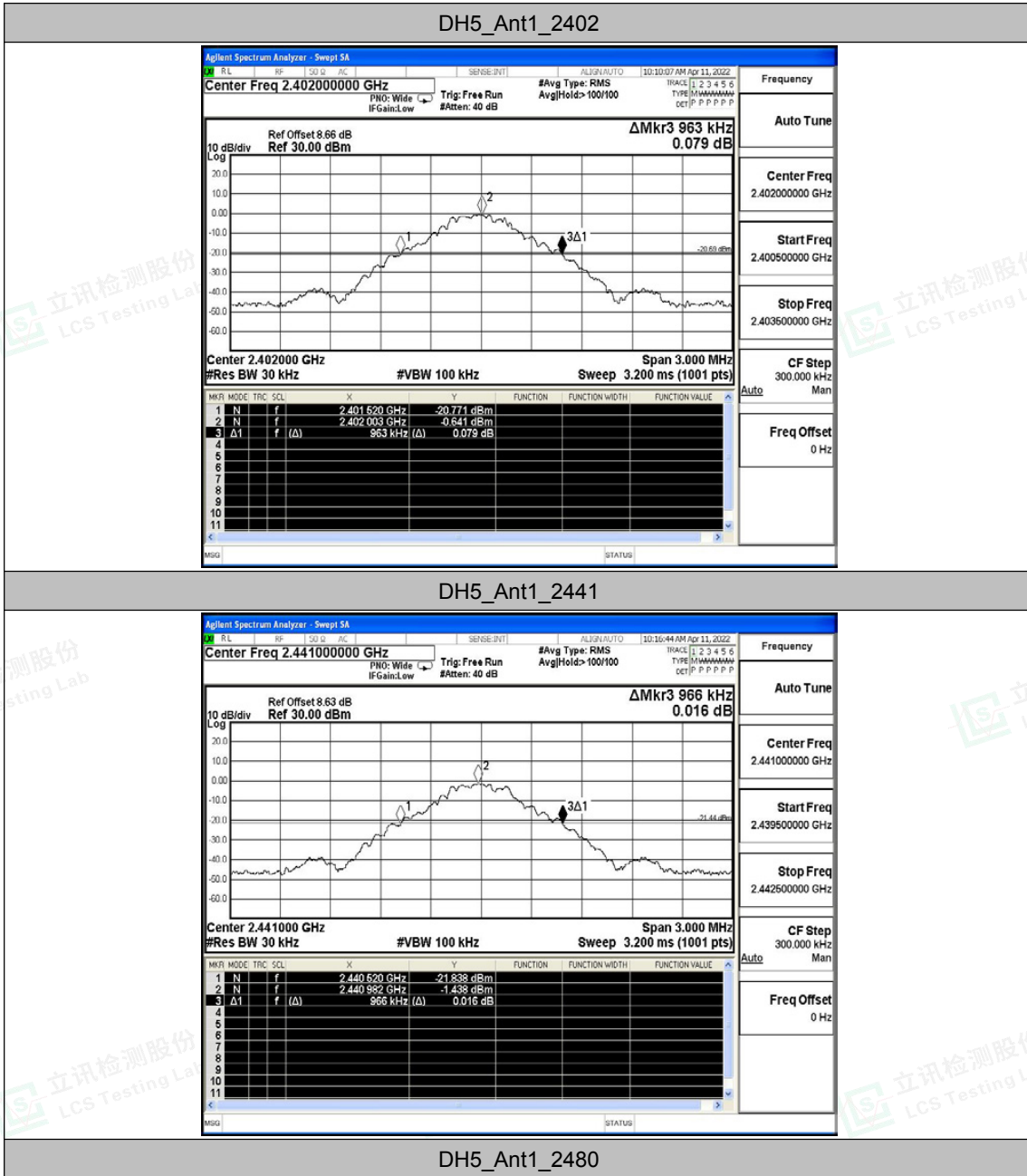
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.963	2401.520	2402.483	---	---
		2441	0.966	2440.520	2441.486	---	---
		2480	0.960	2479.523	2480.483	---	---
2DH5	Ant1	2402	1.314	2401.334	2402.648	---	---
		2441	1.308	2440.337	2441.645	---	---
		2480	1.287	2479.358	2480.645	---	---
3DH5	Ant1	2402	1.290	2401.349	2402.639	---	---
		2441	1.308	2440.340	2441.648	---	---
		2480	1.293	2479.346	2480.639	---	---





Test Graphs

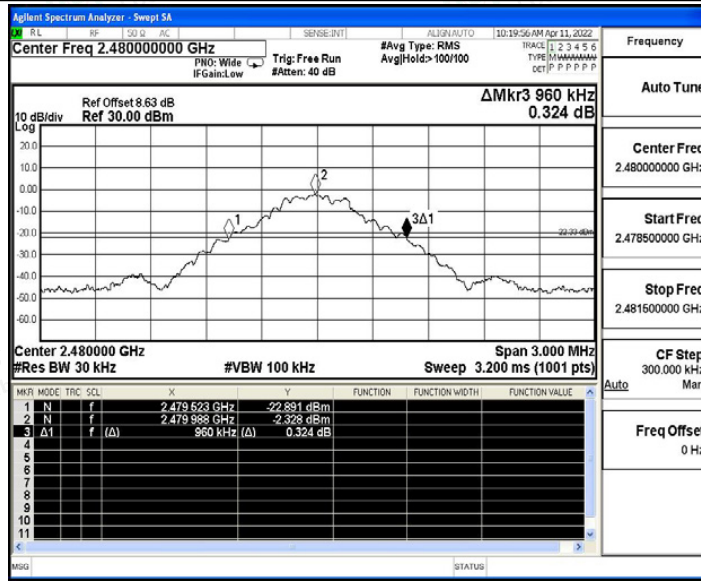


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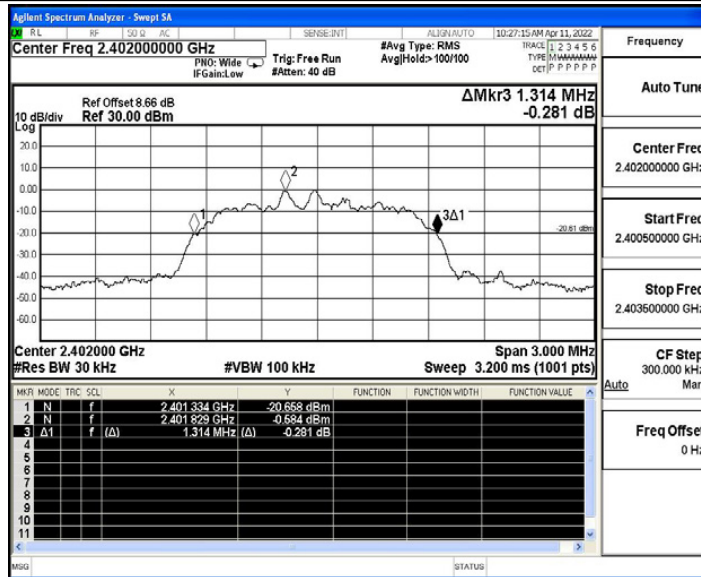
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2DH5_Ant1_2402



2DH5_Ant1_2441

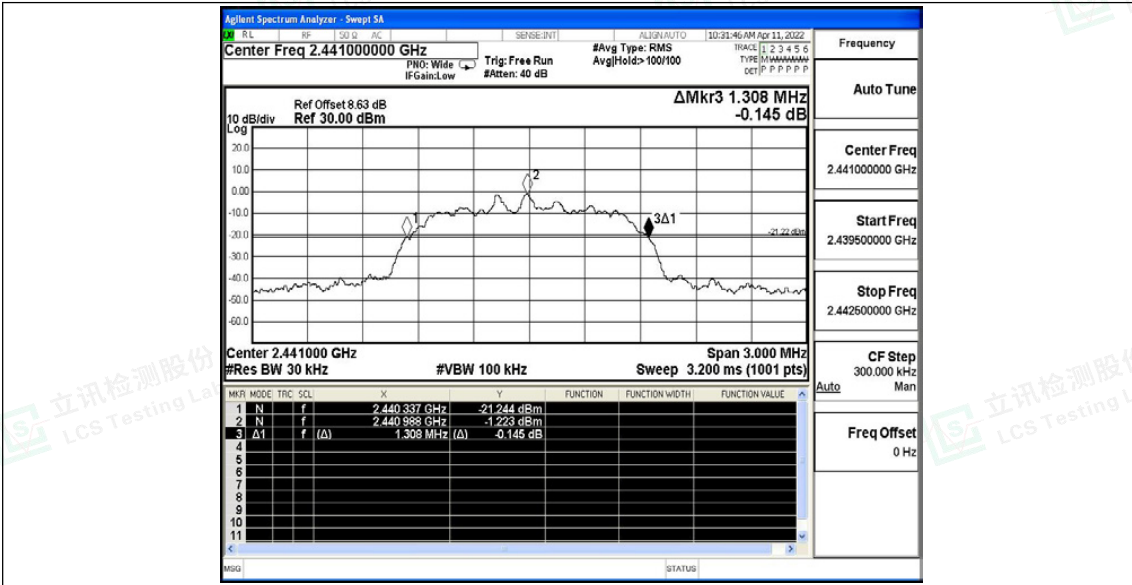


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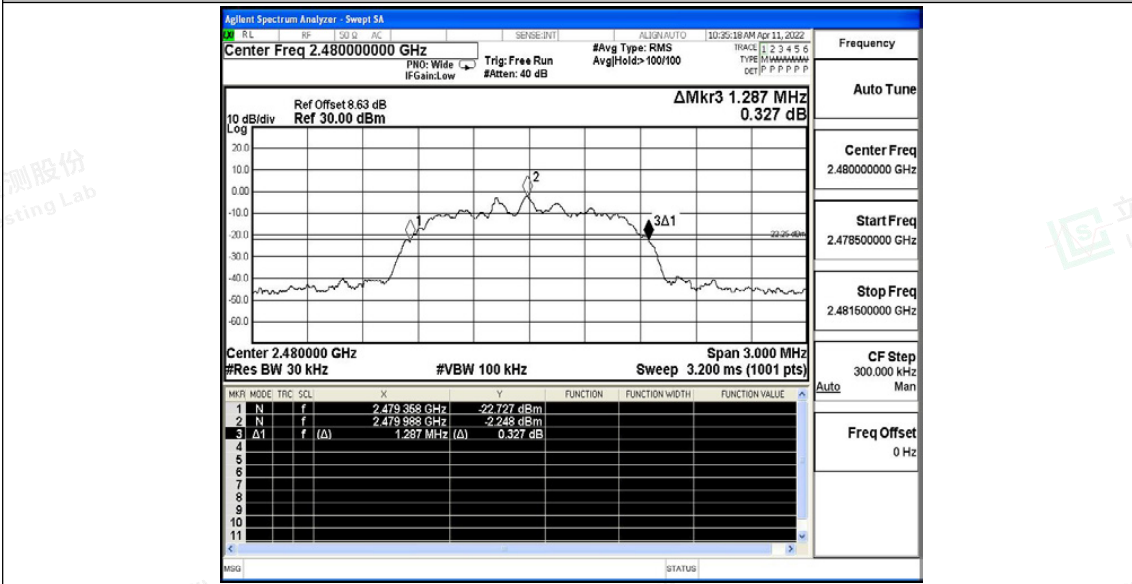
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2DH5_Ant1_2480



3DH5_Ant1_2402

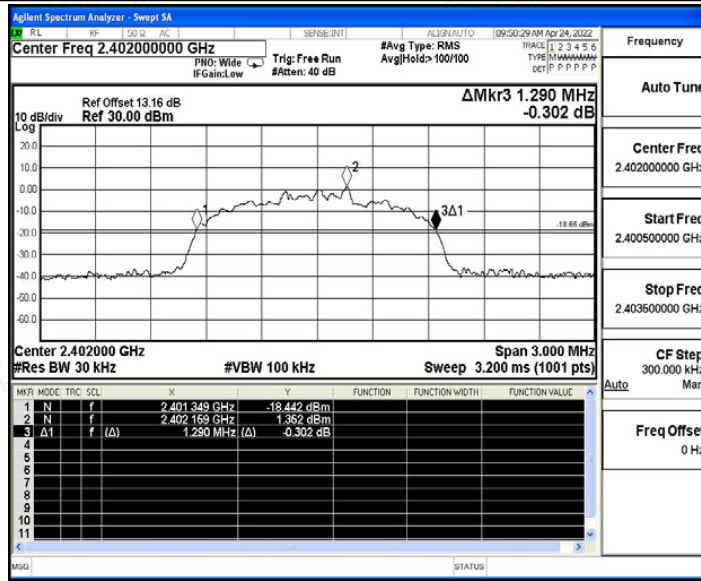


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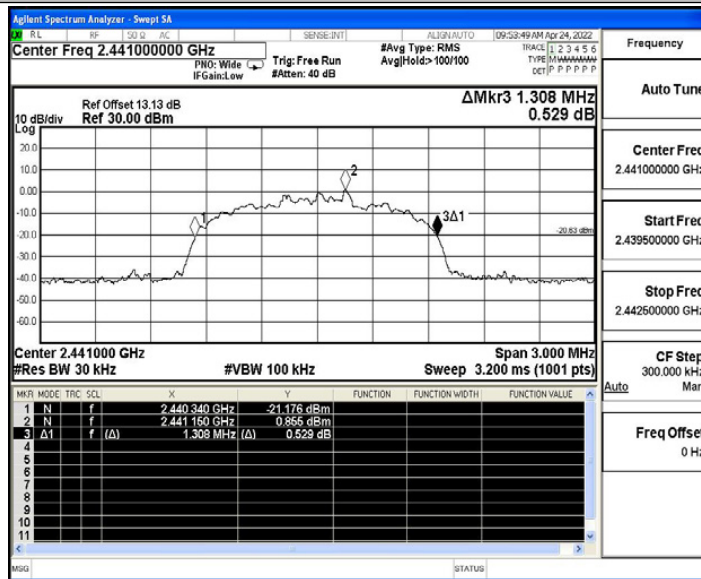
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3DH5_Ant1_2441



3DH5_Ant1_2480

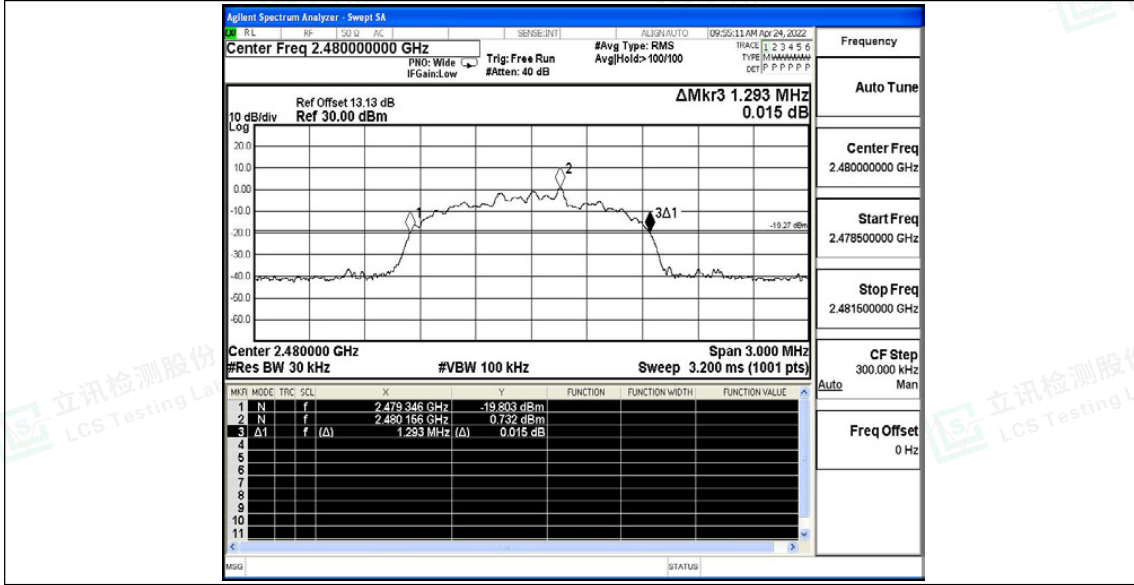


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A.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.12	≤20.97	PASS
		2441	1.35	≤20.97	PASS
		2480	0.31	≤20.97	PASS
2DH5	Ant1	2402	2.9	≤20.97	PASS
		2441	2.21	≤20.97	PASS
		2480	1.1	≤20.97	PASS
3DH5	Ant1	2402	2.24	≤20.97	PASS
		2441	1.44	≤20.97	PASS
		2480	0.42	≤20.97	PASS



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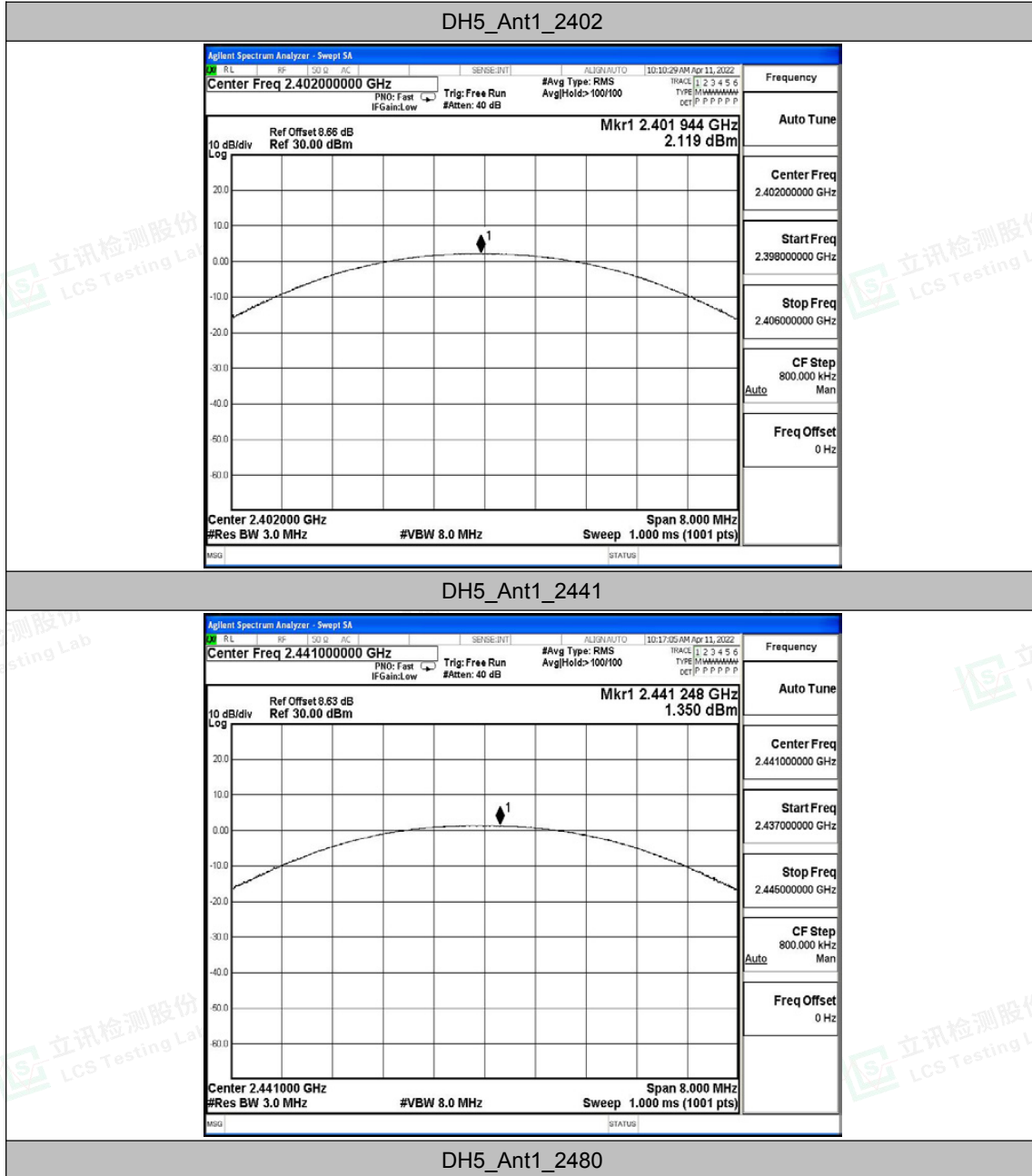
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Test Graphs

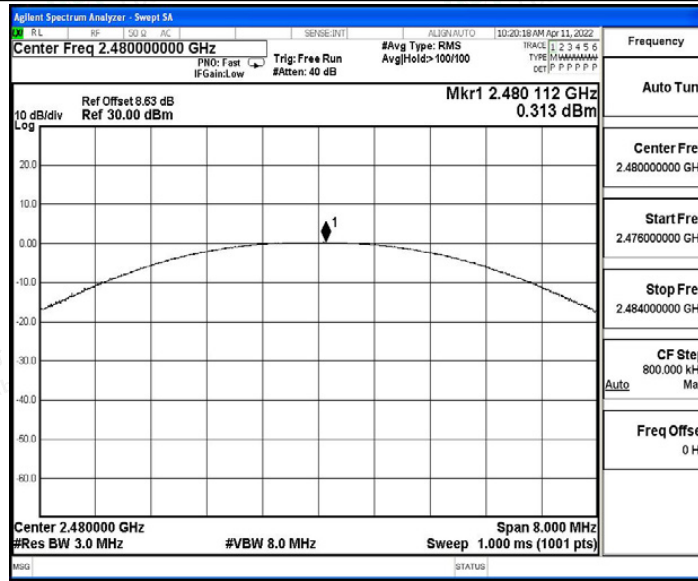


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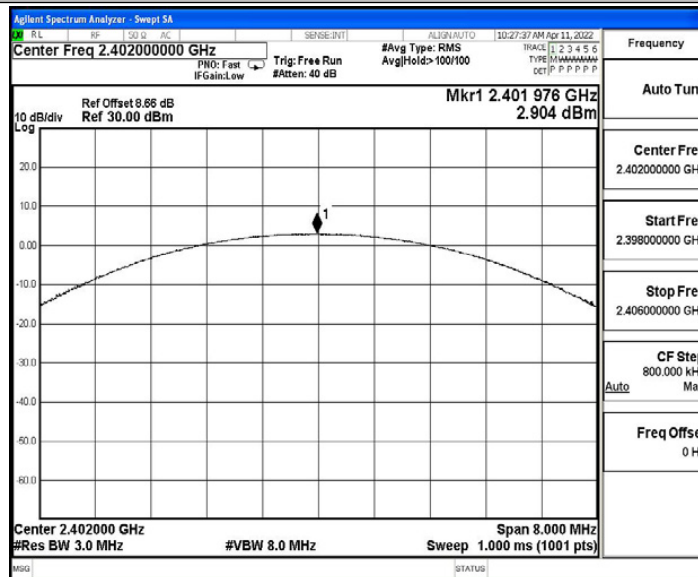
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2DH5_Ant1_2402



2DH5_Ant1_2441

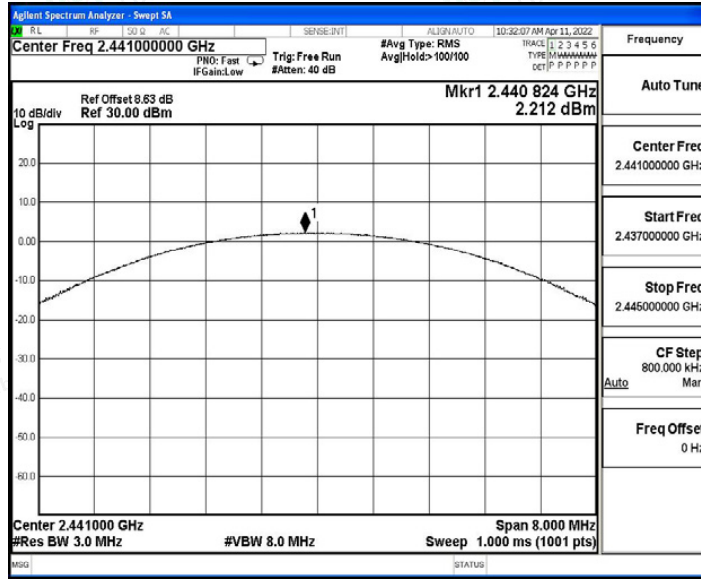


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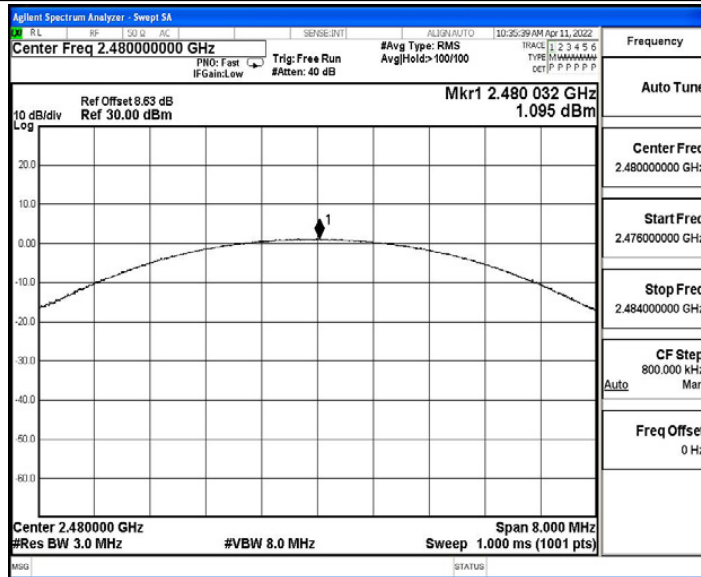
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2DH5_Ant1_2480



3DH5_Ant1_2402

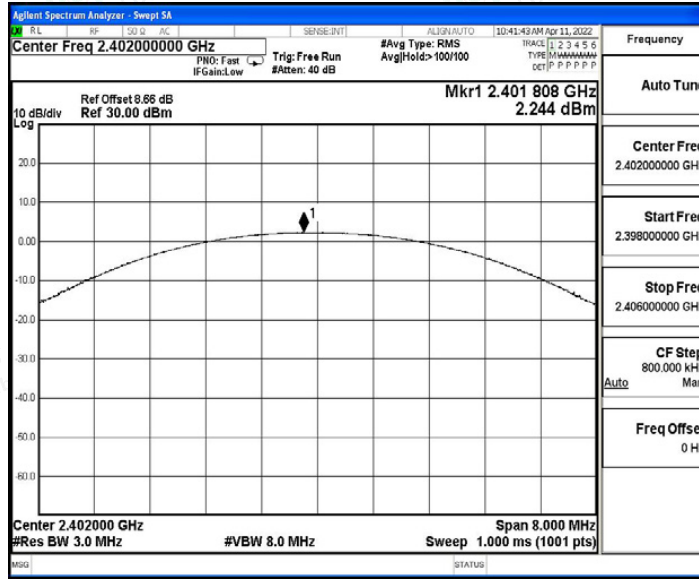


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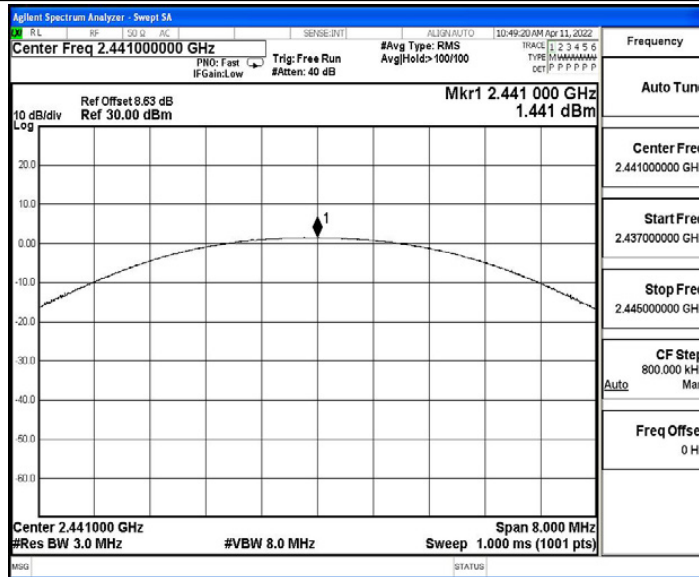
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3DH5_Ant1_2441



3DH5_Ant1_2480

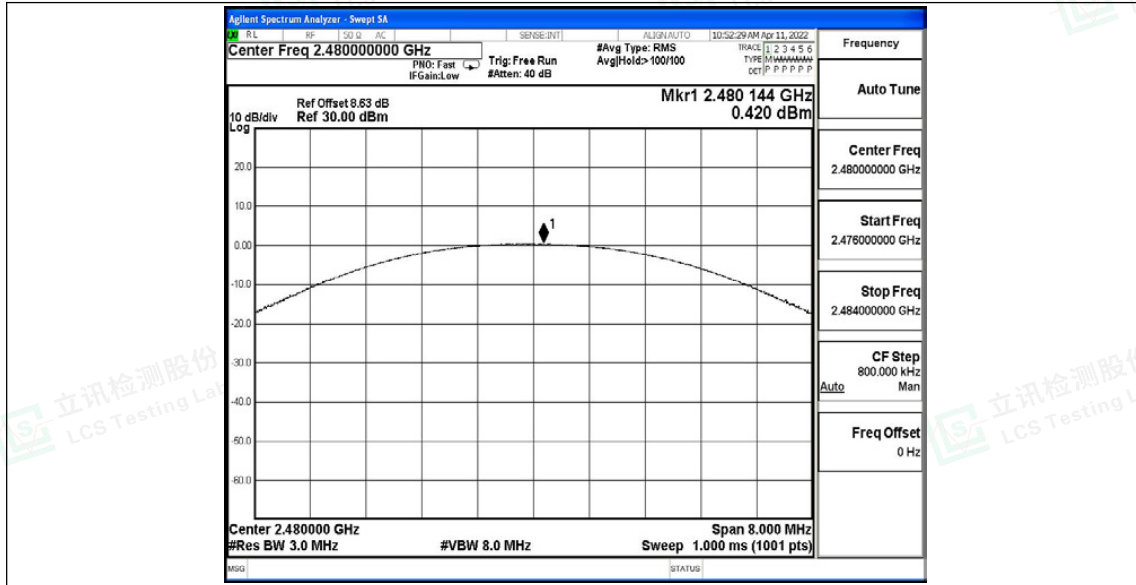


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A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.906	≥ 0.644	PASS
2DH5	Ant1	Hop	1.108	≥ 0.876	PASS
3DH5	Ant1	Hop	1.22	≥ 1.014	PASS



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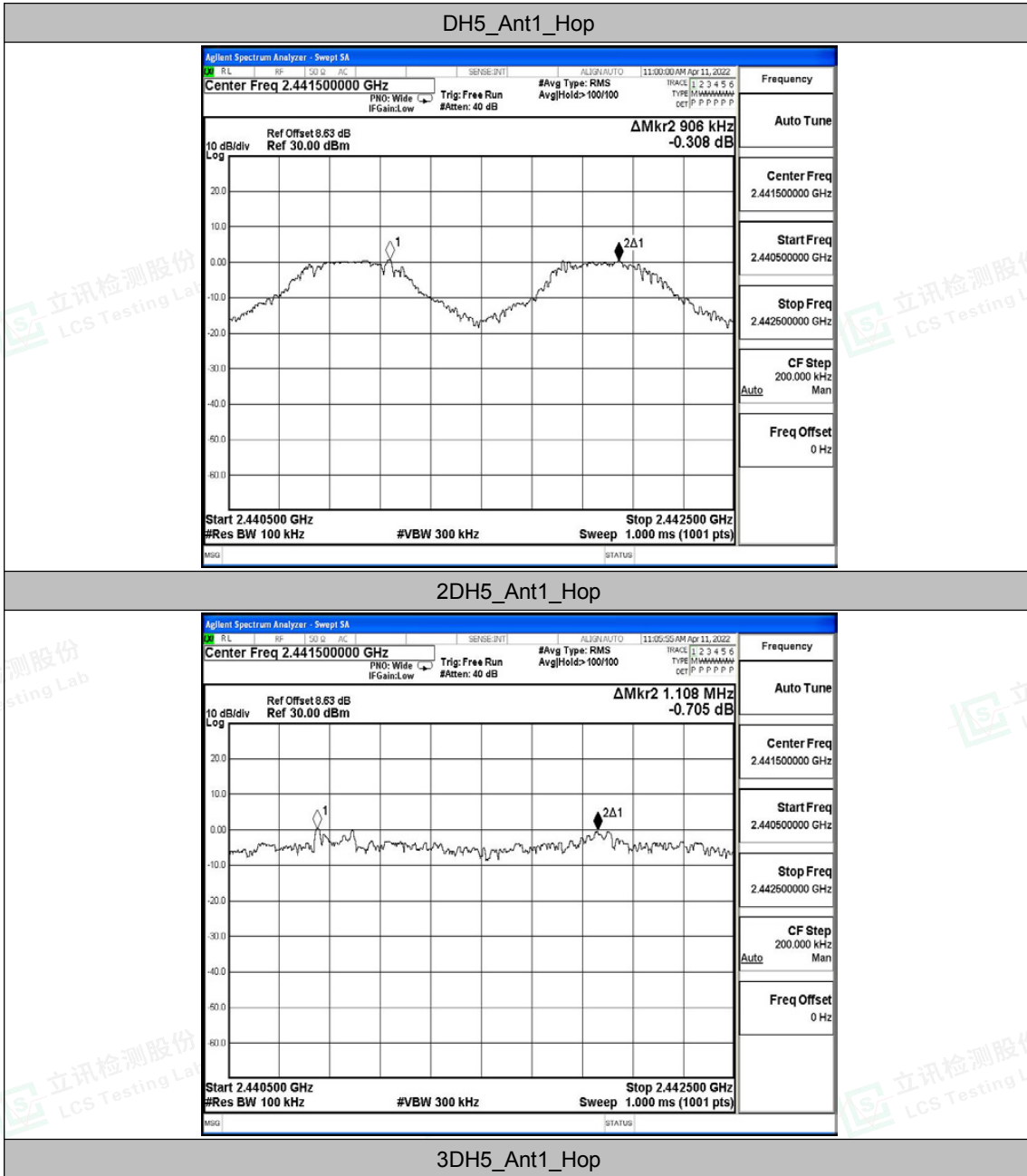
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Test Graphs

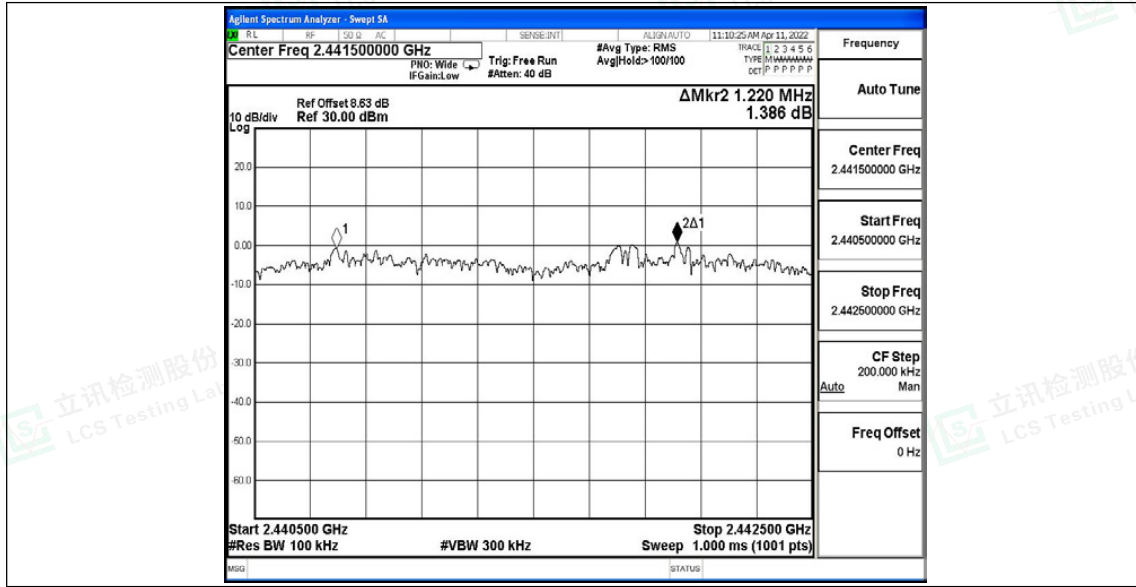


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A.4 Dwell Time

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS
2DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS



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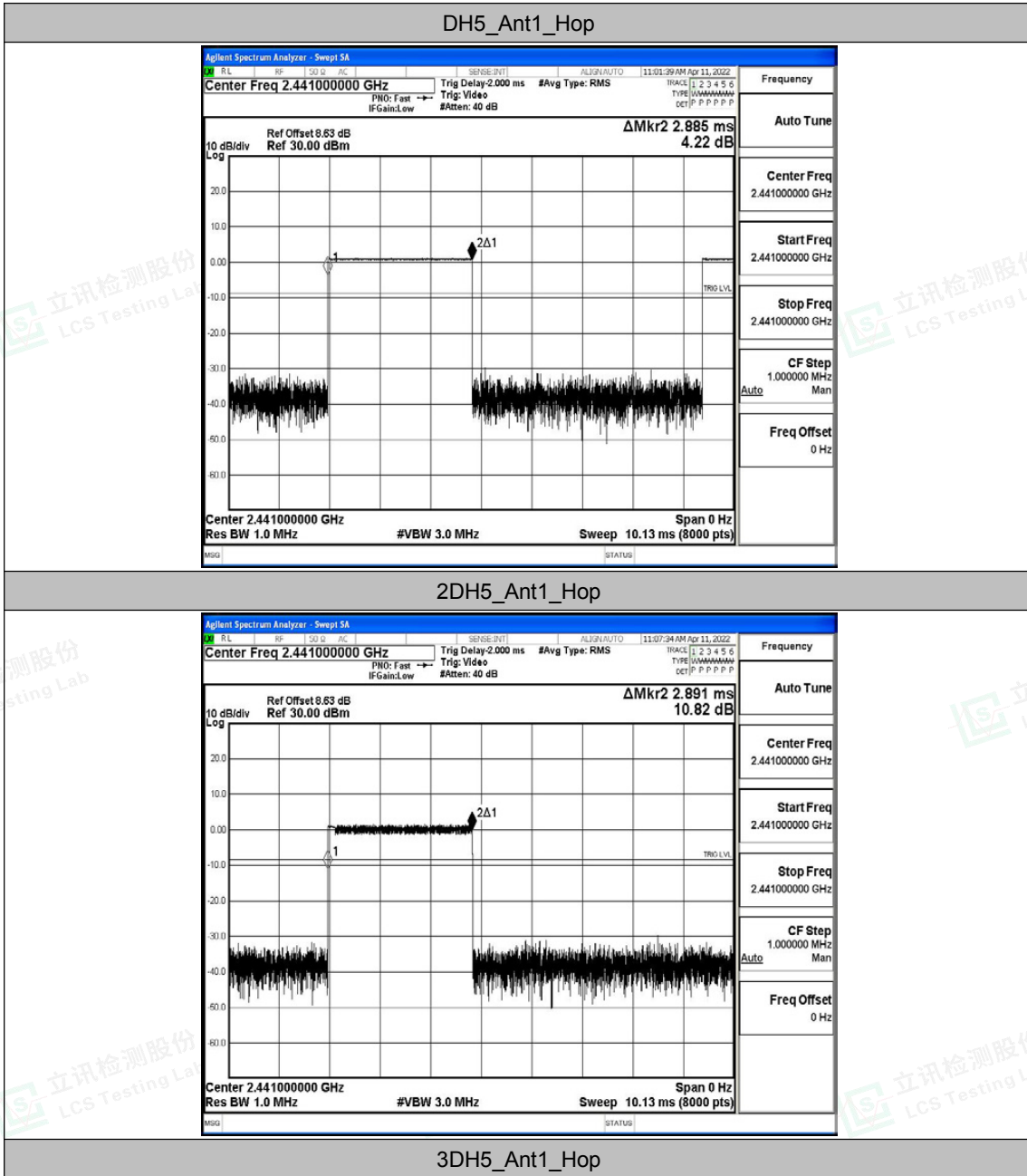
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Test Graphs

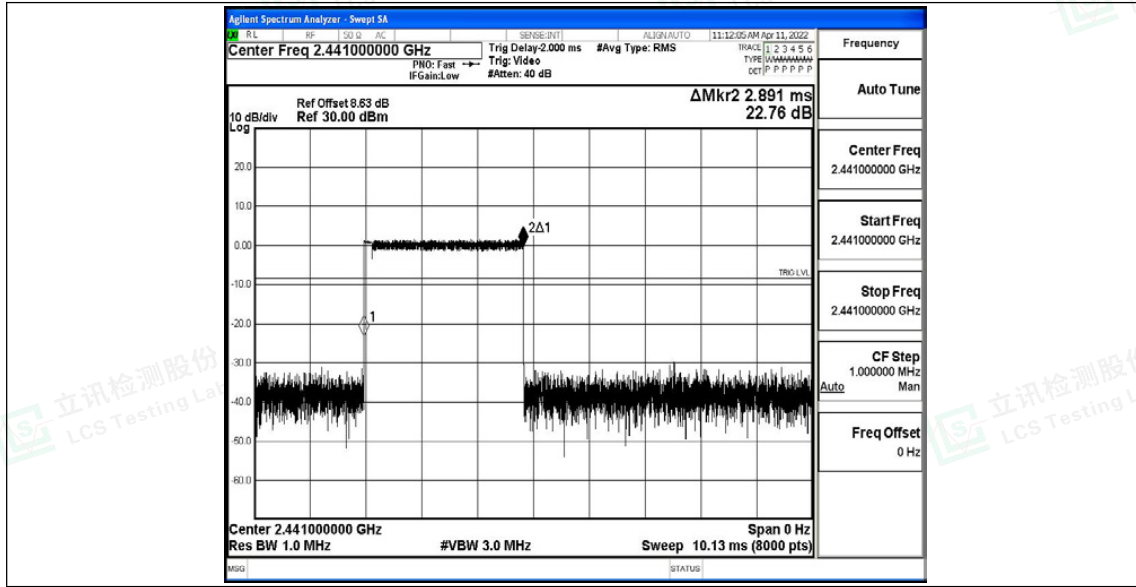


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A.5 Number of hopping channels

Test Result

TestMode	Antenna	Channel	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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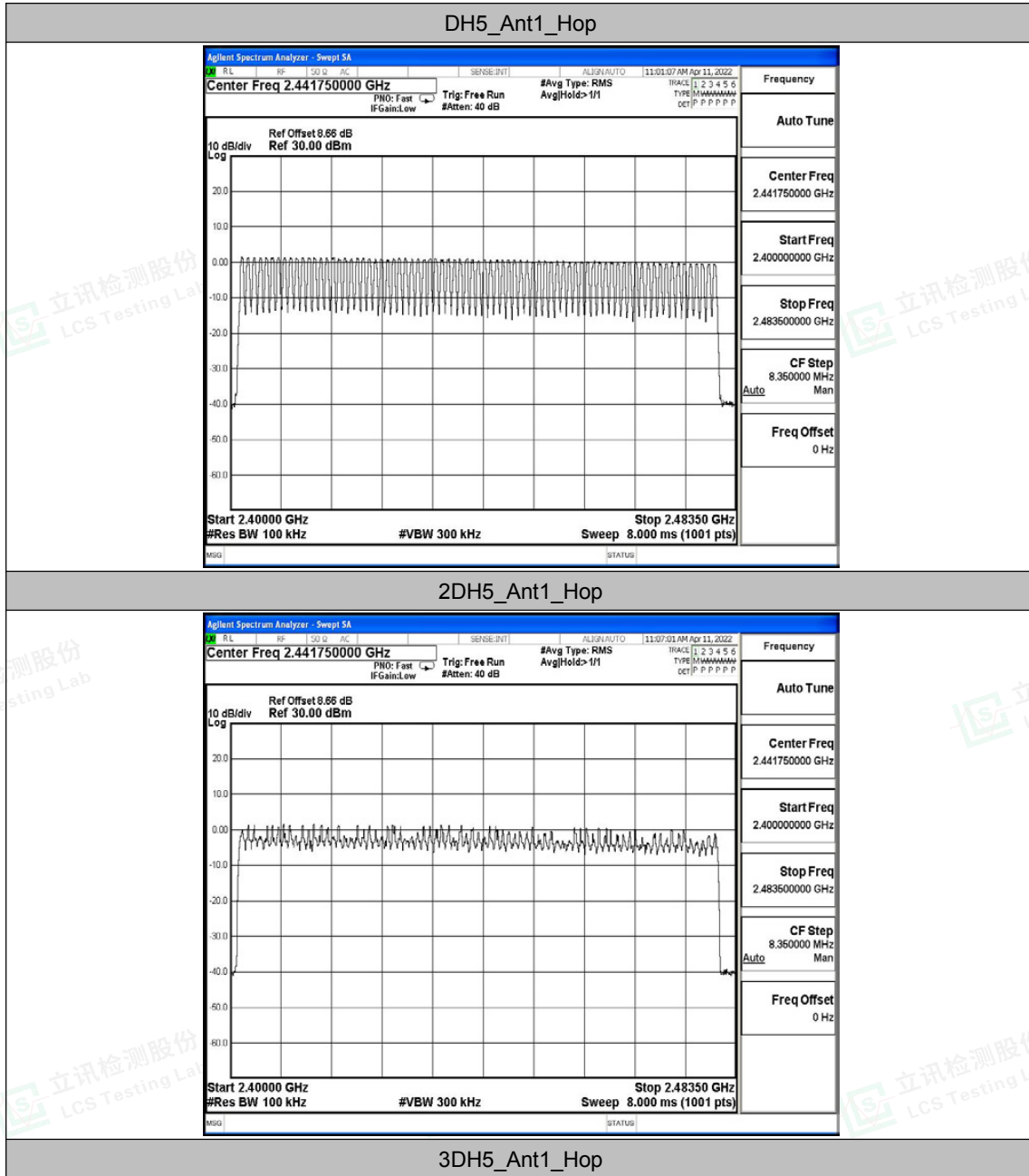
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Test Graphs

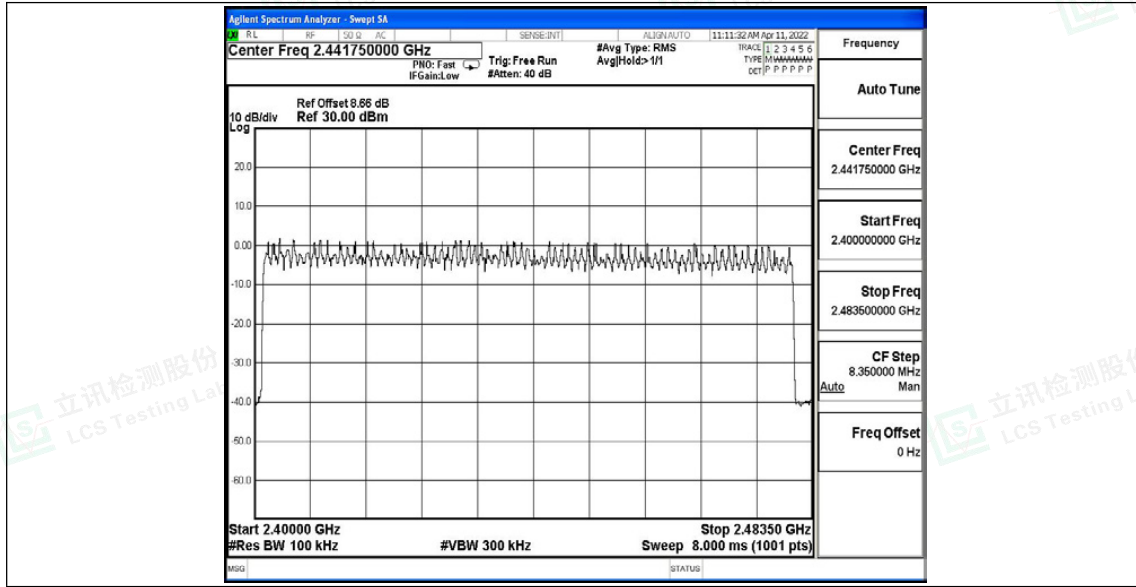


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A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.70	-47.56	≤-18.3	PASS
		High	2480	-0.25	-47.94	≤-20.25	PASS
		Low	Hop_2402	1.16	-47.18	≤-18.84	PASS
		High	Hop_2480	-0.50	-47.43	≤-20.5	PASS
2DH5	Ant1	Low	2402	1.54	-47.65	≤-18.46	PASS
		High	2480	-0.16	-47.18	≤-20.16	PASS
		Low	Hop_2402	-1.17	-47.95	≤-21.17	PASS
		High	Hop_2480	-0.45	-48.07	≤-20.45	PASS
3DH5	Ant1	Low	2402	1.85	-46.5	≤-18.15	PASS
		High	2480	-0.23	-47.53	≤-20.23	PASS
		Low	Hop_2402	1.40	-48.45	≤-18.6	PASS
		High	Hop_2480	0.00	-47.07	≤-20	PASS



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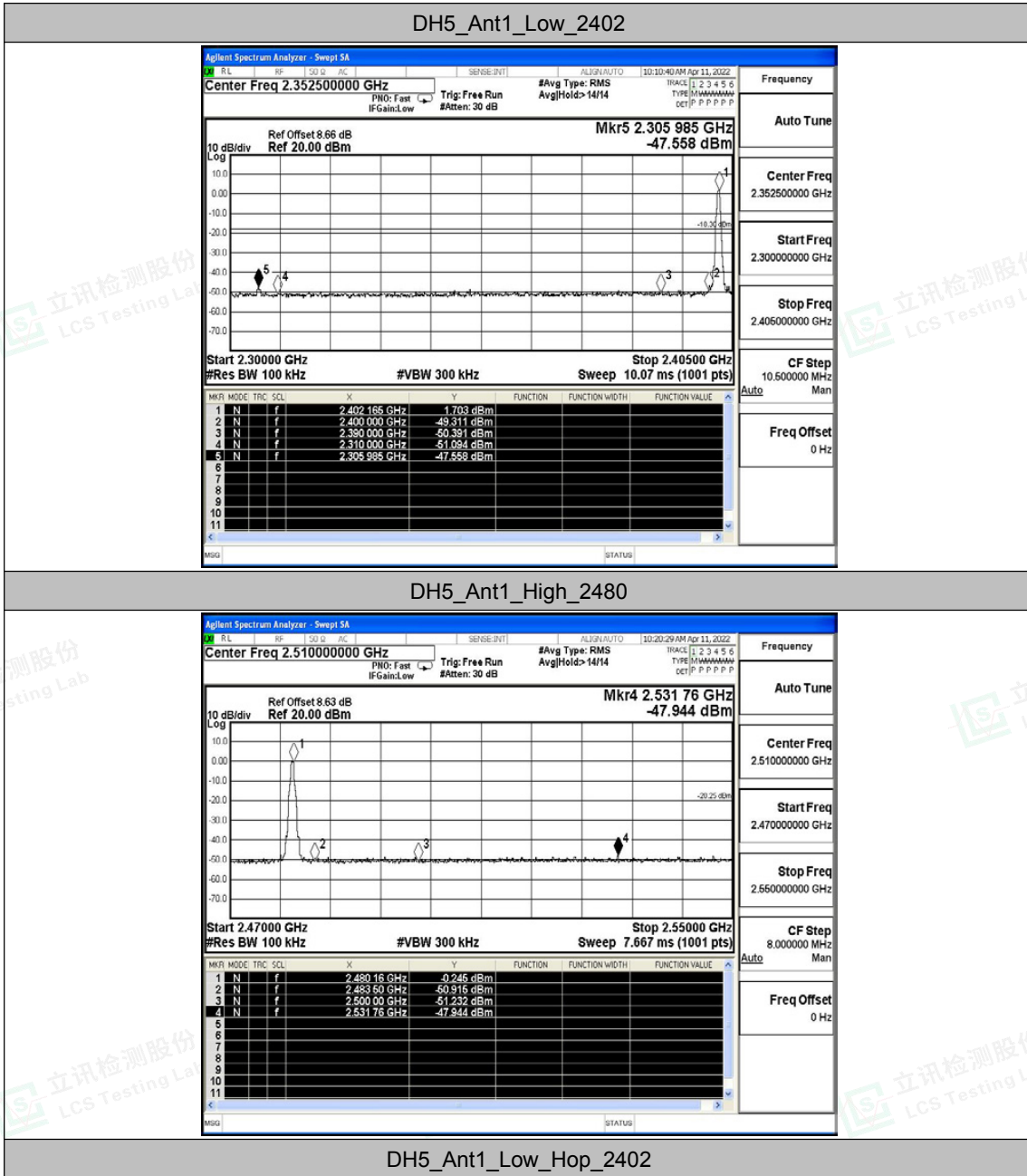
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Test Graphs

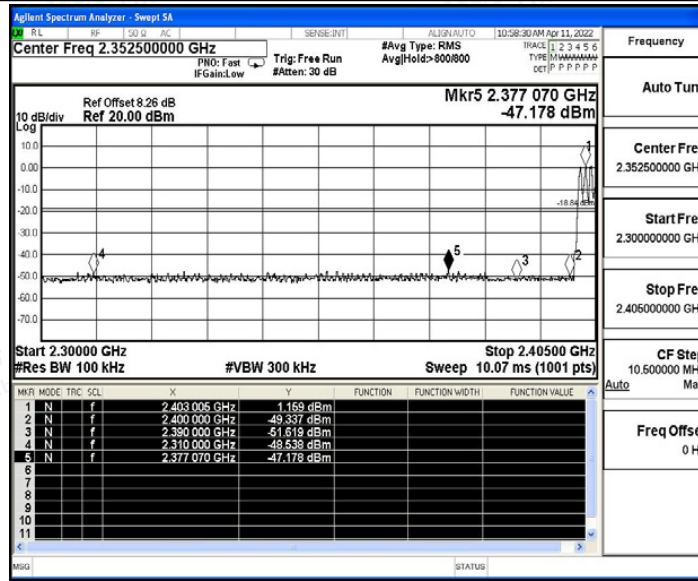


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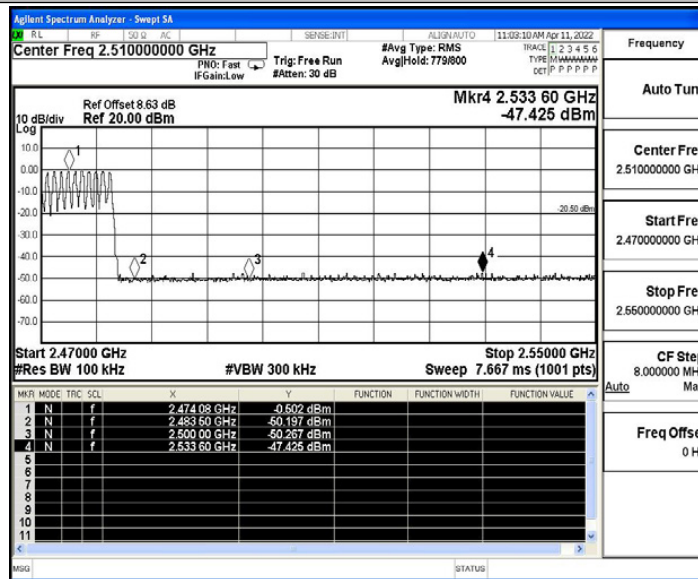
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

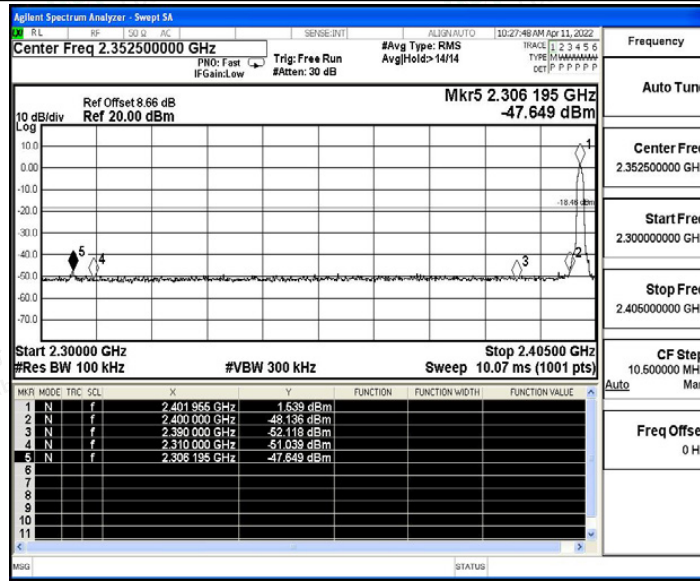


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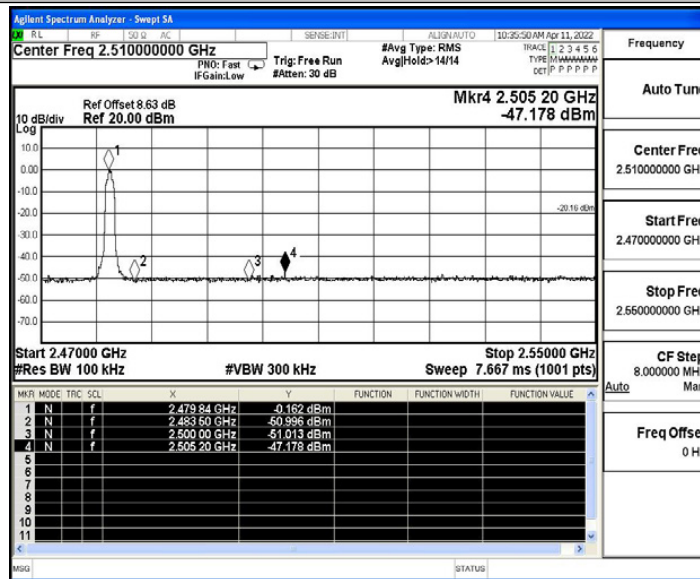
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

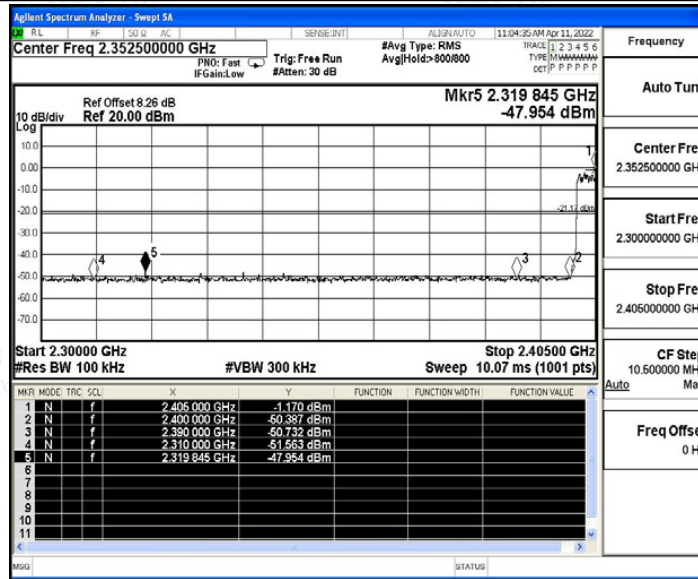


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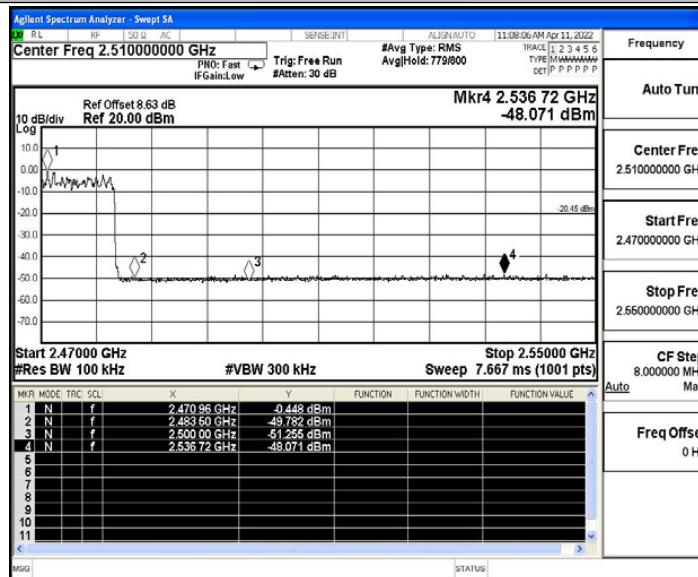
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2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

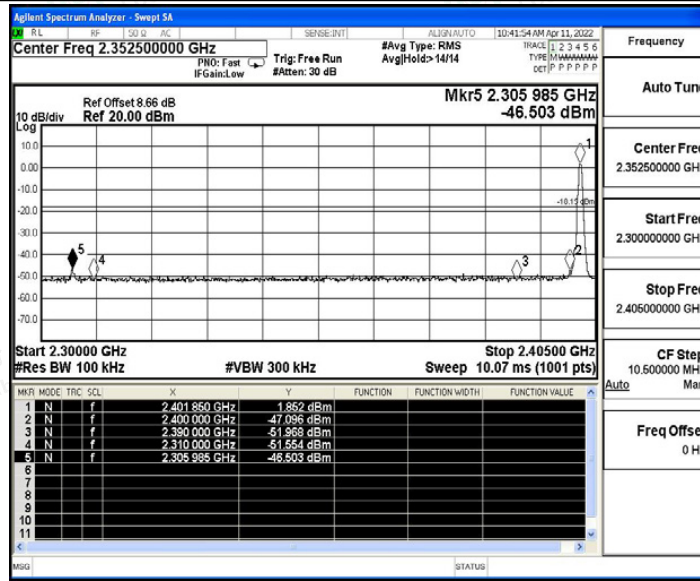


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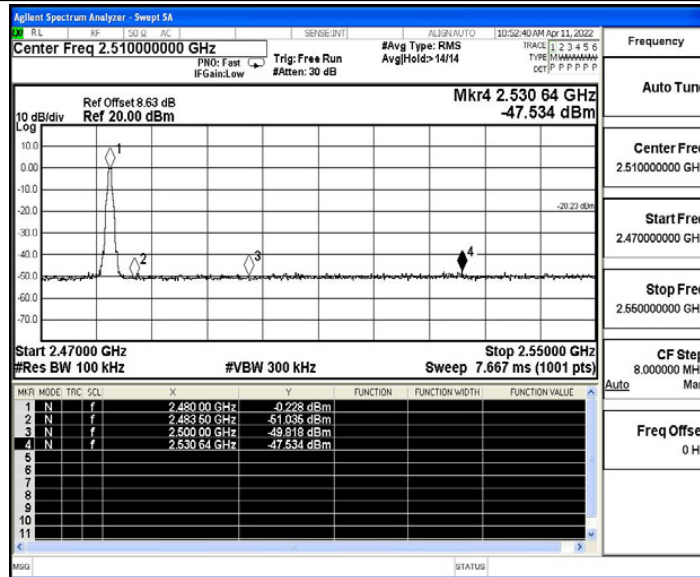
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3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



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