



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Notebook

Test Model: X1450E

Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.5%
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	Ant1	2402	0.966	2401.526	2402.492	---	---
		2441	0.966	2440.520	2441.486	---	---
		2480	0.963	2479.520	2480.483	---	---
2DH5	Ant1	2402	1.284	2401.358	2402.642	---	---
		2441	1.287	2440.355	2441.642	---	---
		2480	1.287	2479.355	2480.642	---	---
3DH5	Ant1	2402	1.302	2401.340	2402.642	---	---
		2441	1.302	2440.340	2441.642	---	---
		2480	1.305	2479.340	2480.645	---	---



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Test Graphs

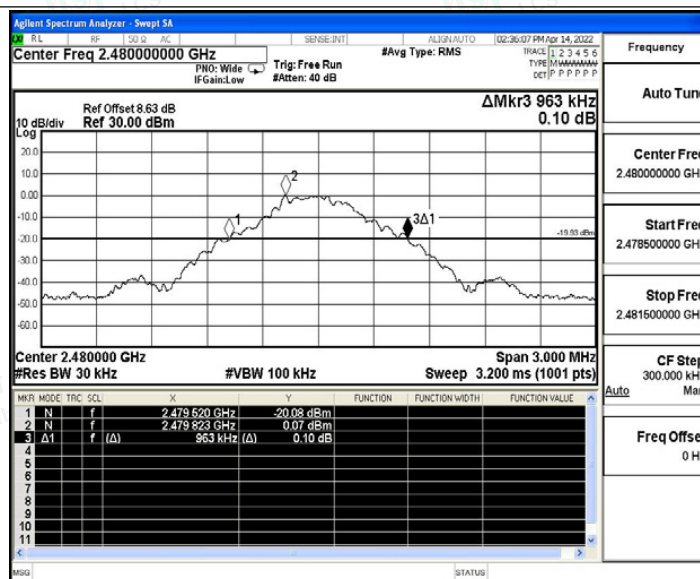


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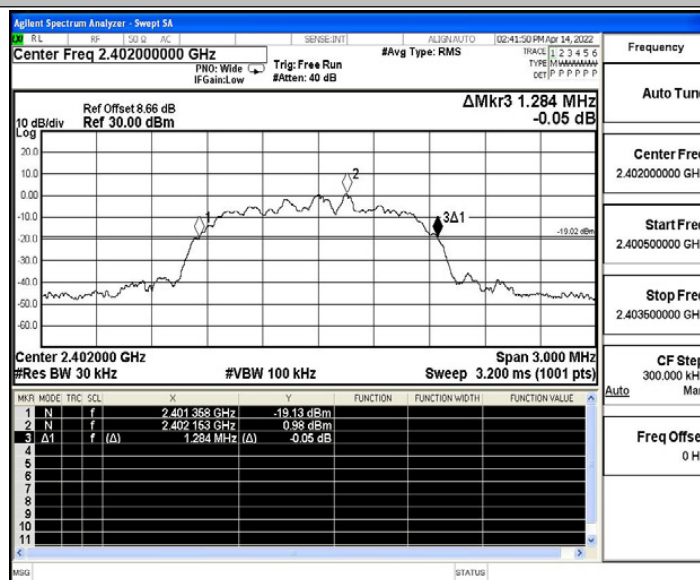
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2DH5_Ant1_2402



2DH5_Ant1_2441

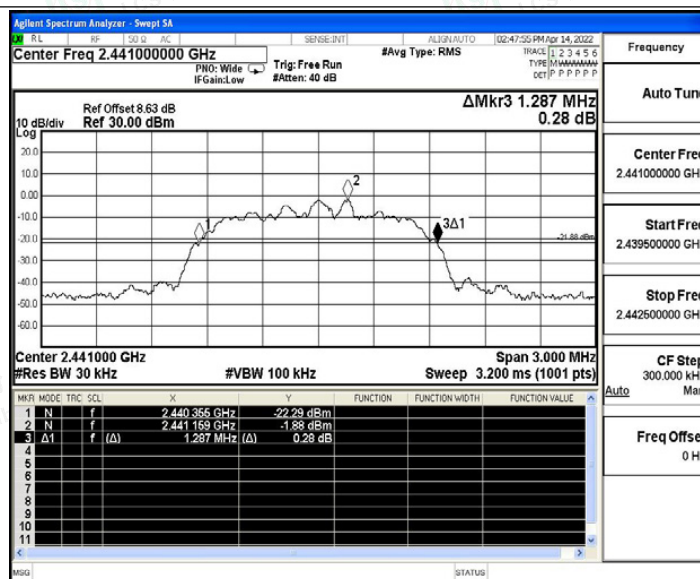


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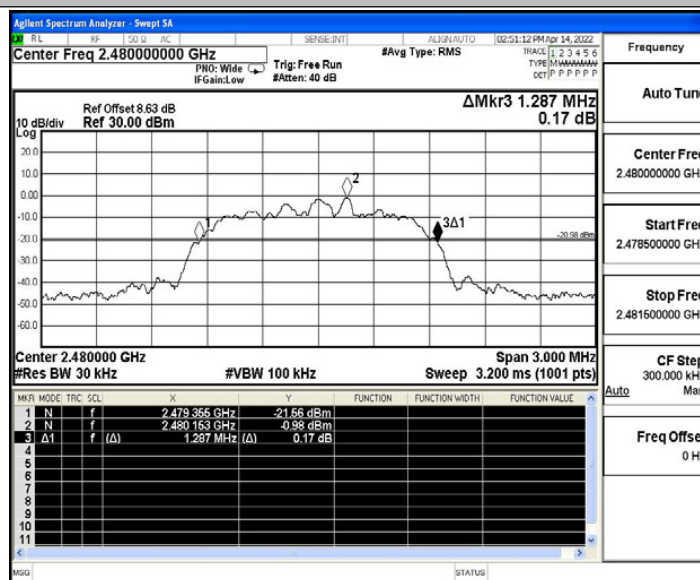
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2DH5_Ant1_2480



3DH5_Ant1_2402

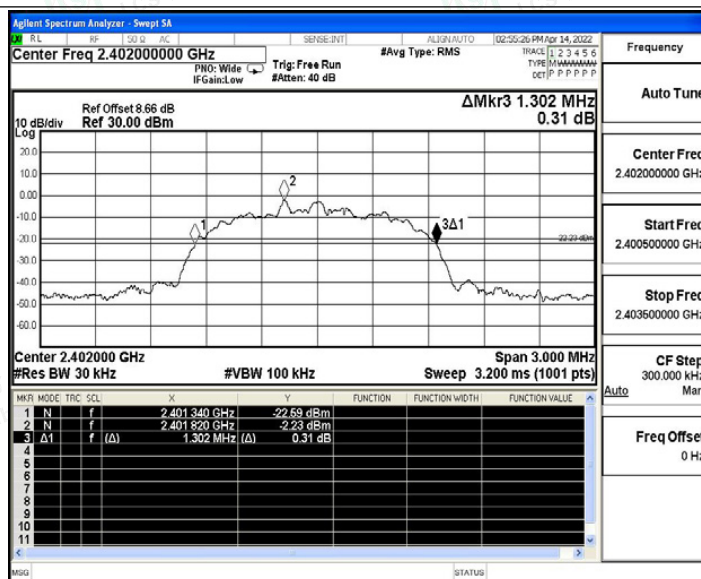


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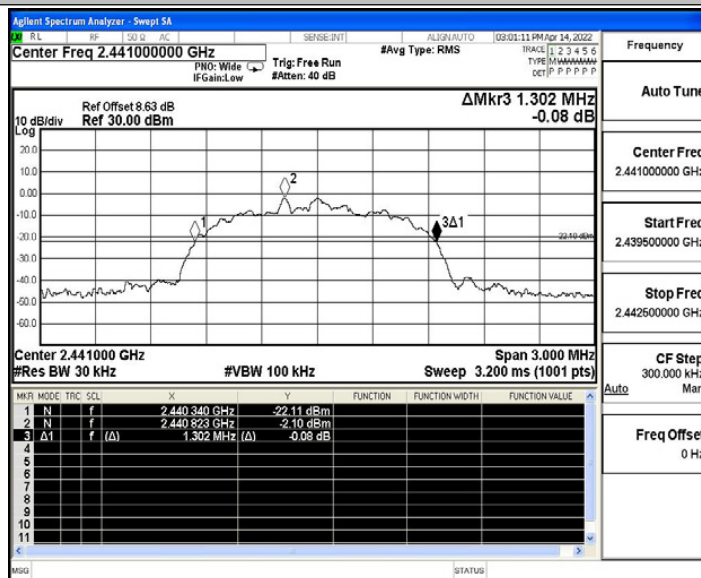
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3DH5_Ant1_2441



3DH5_Ant1_2480

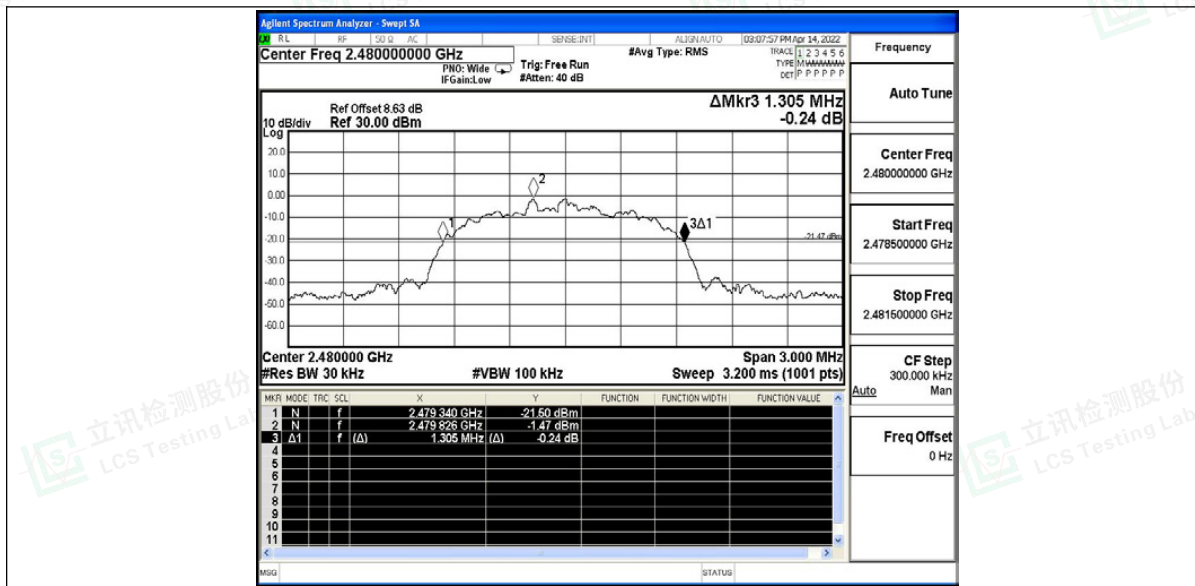


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A.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.47	≤20.97	PASS
		2441	1.81	≤20.97	PASS
		2480	2.66	≤20.97	PASS
2DH5	Ant1	2402	4.57	≤20.97	PASS
		2441	2.01	≤20.97	PASS
		2480	2.7	≤20.97	PASS
3DH5	Ant1	2402	2.34	≤20.97	PASS
		2441	2.52	≤20.97	PASS
		2480	3.21	≤20.97	PASS



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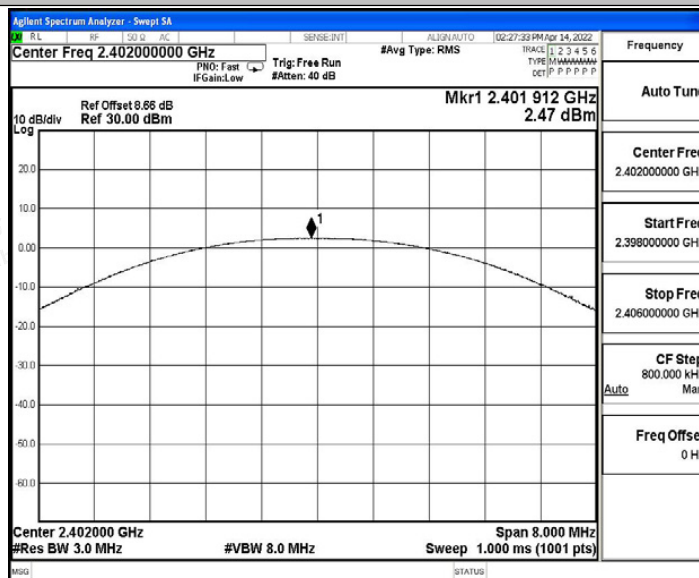
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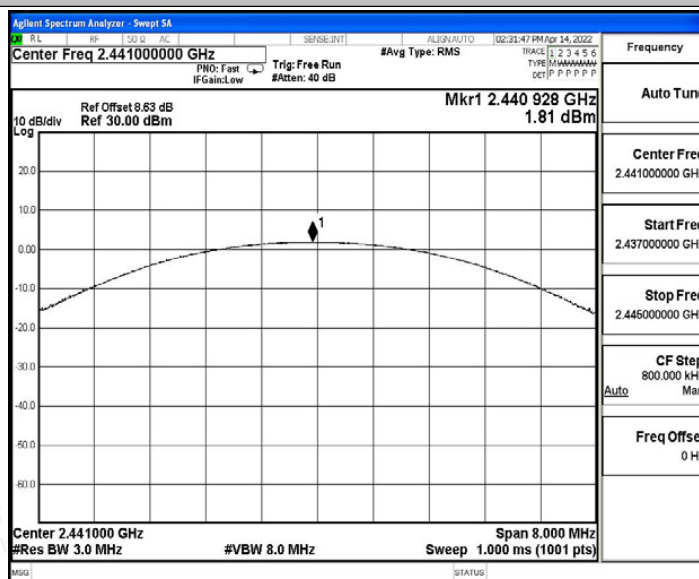


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

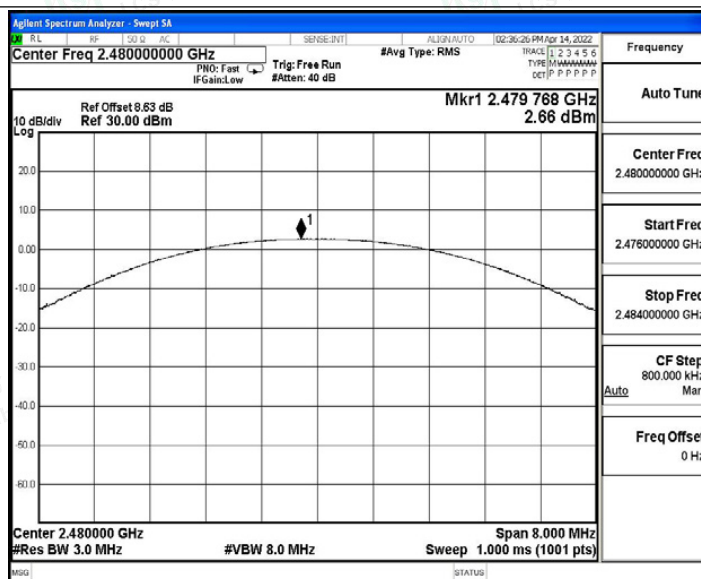


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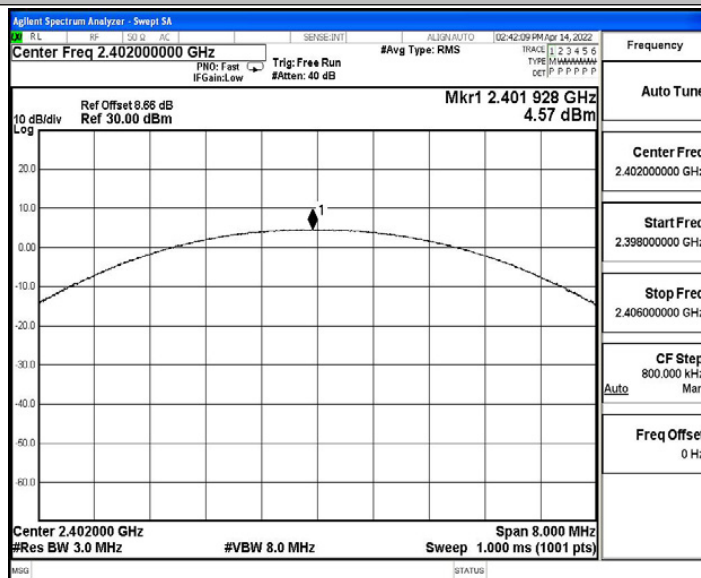
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2DH5_Ant1_2402



2DH5_Ant1_2441

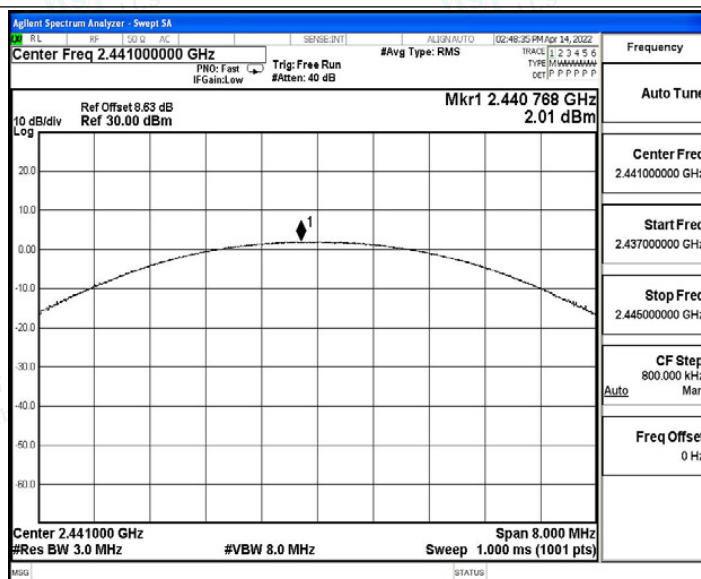


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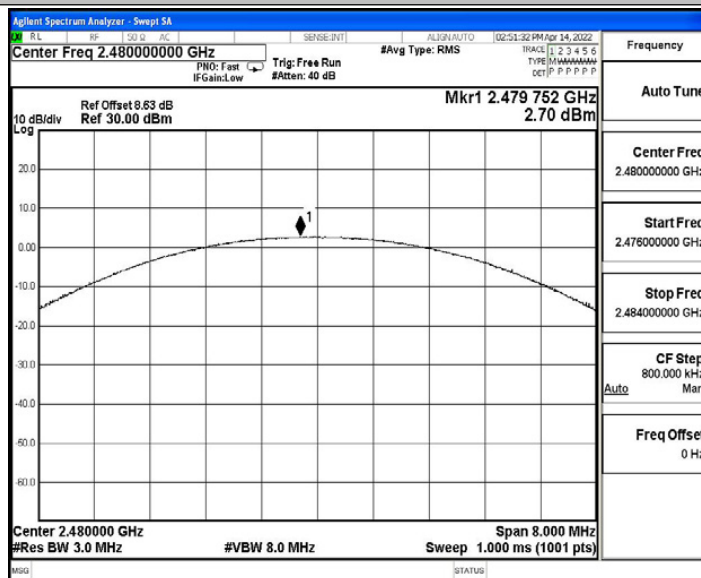
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2DH5_Ant1_2480



3DH5_Ant1_2402

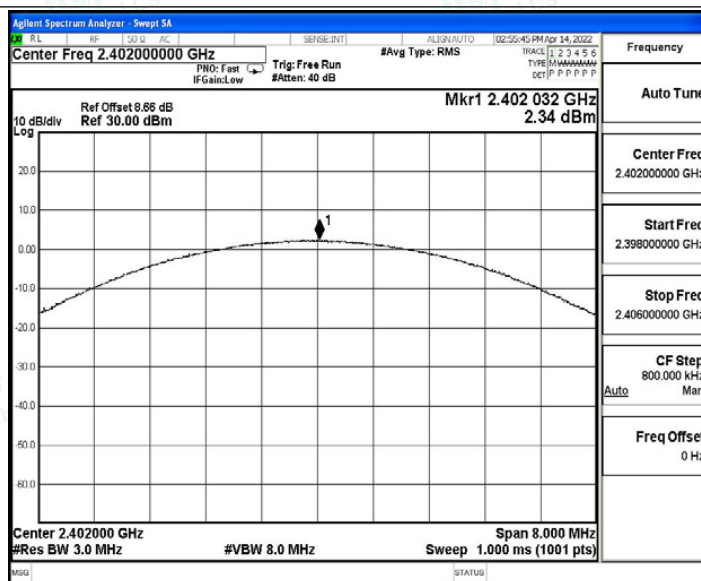


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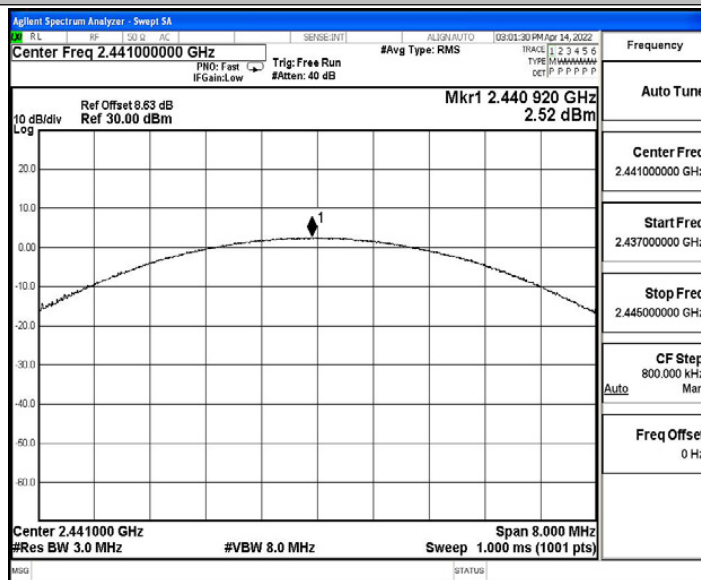
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3DH5_Ant1_2441



3DH5_Ant1_2480

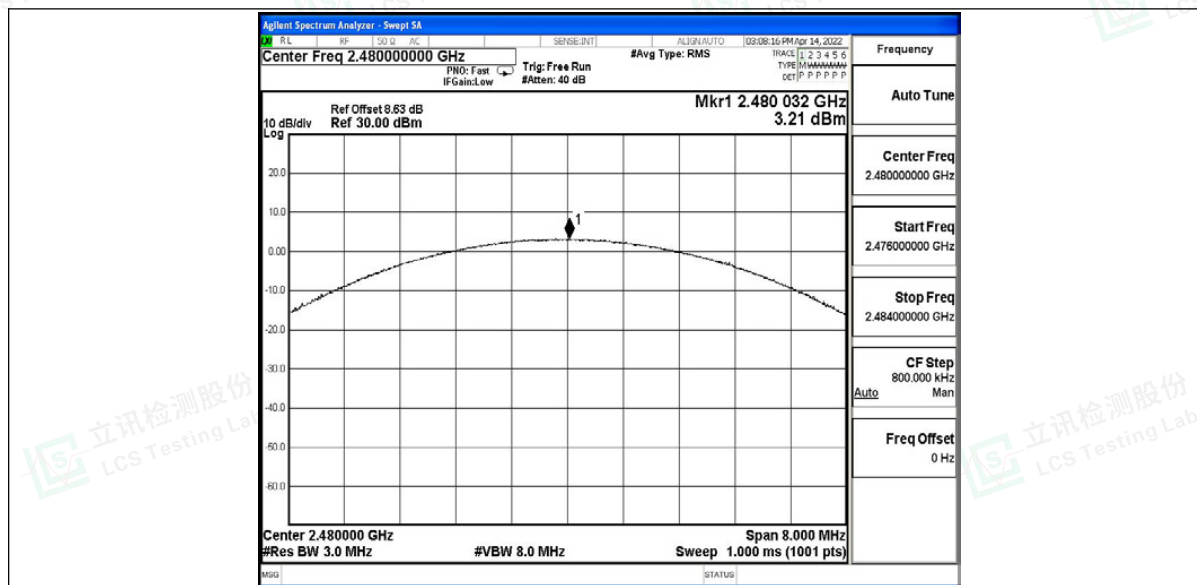


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A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.172	≥ 0.966	PASS
2DH5	Ant1	Hop	0.938	≥ 0.858	PASS
3DH5	Ant1	Hop	1.368	≥ 1.305	PASS



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Test Graphs

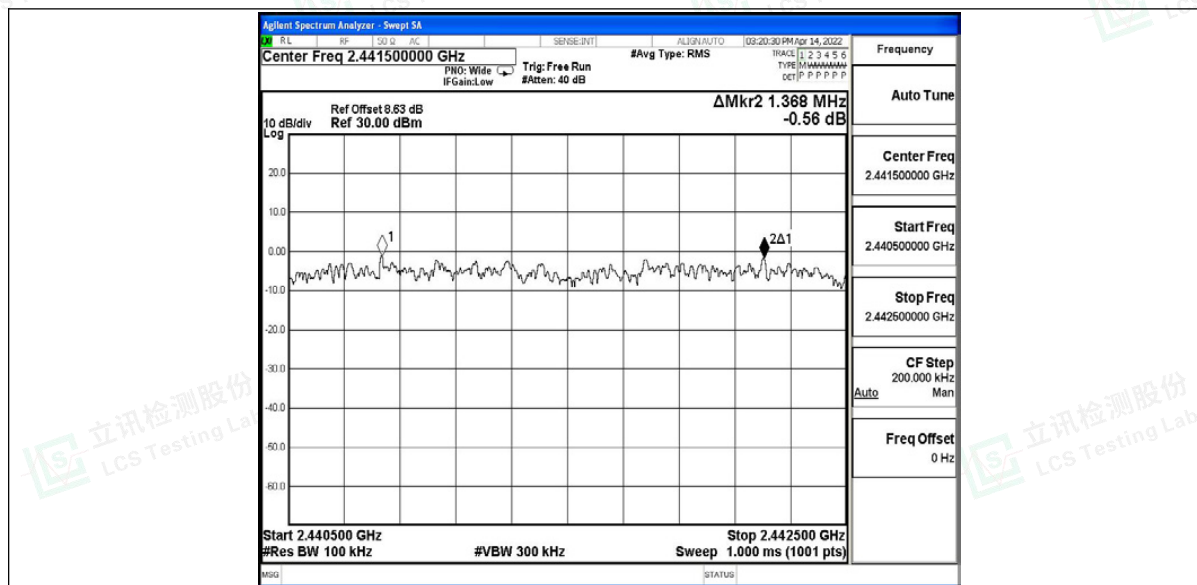


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A.4 Time of occupancy

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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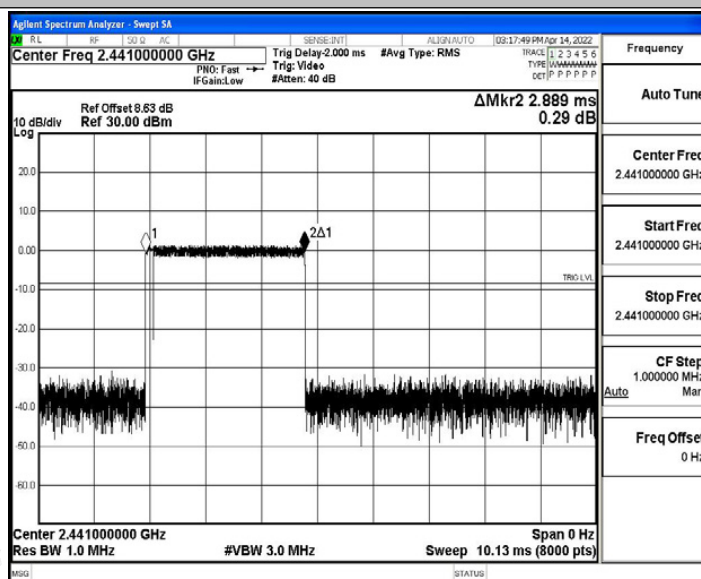
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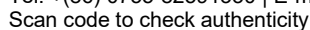
Scan code to check authenticity

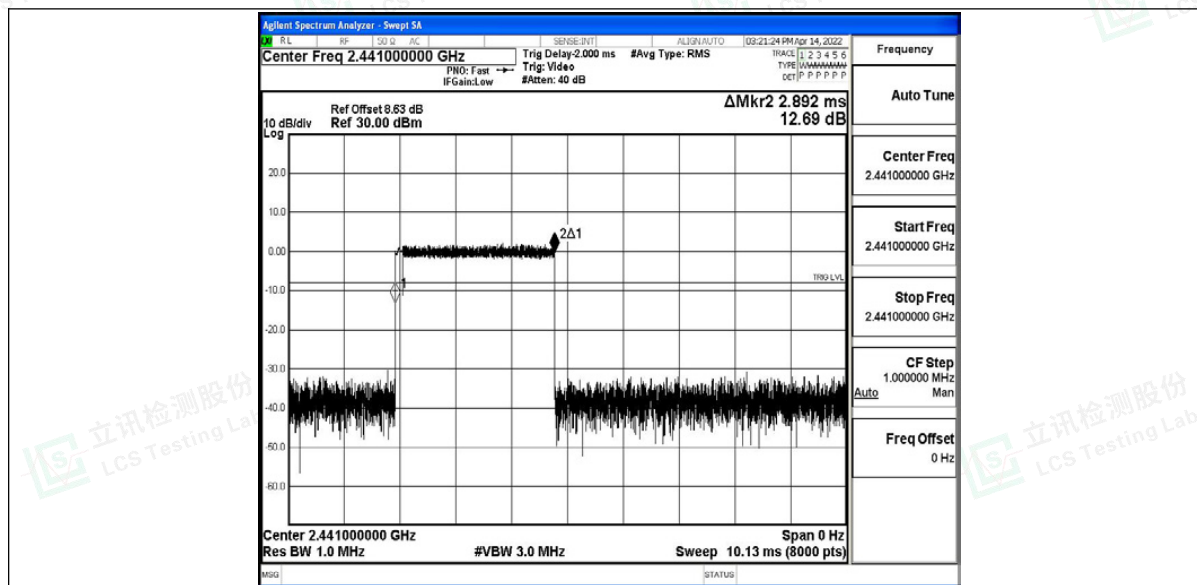


DH5_Ant1_Hop



3DH5 Ant1 Hop





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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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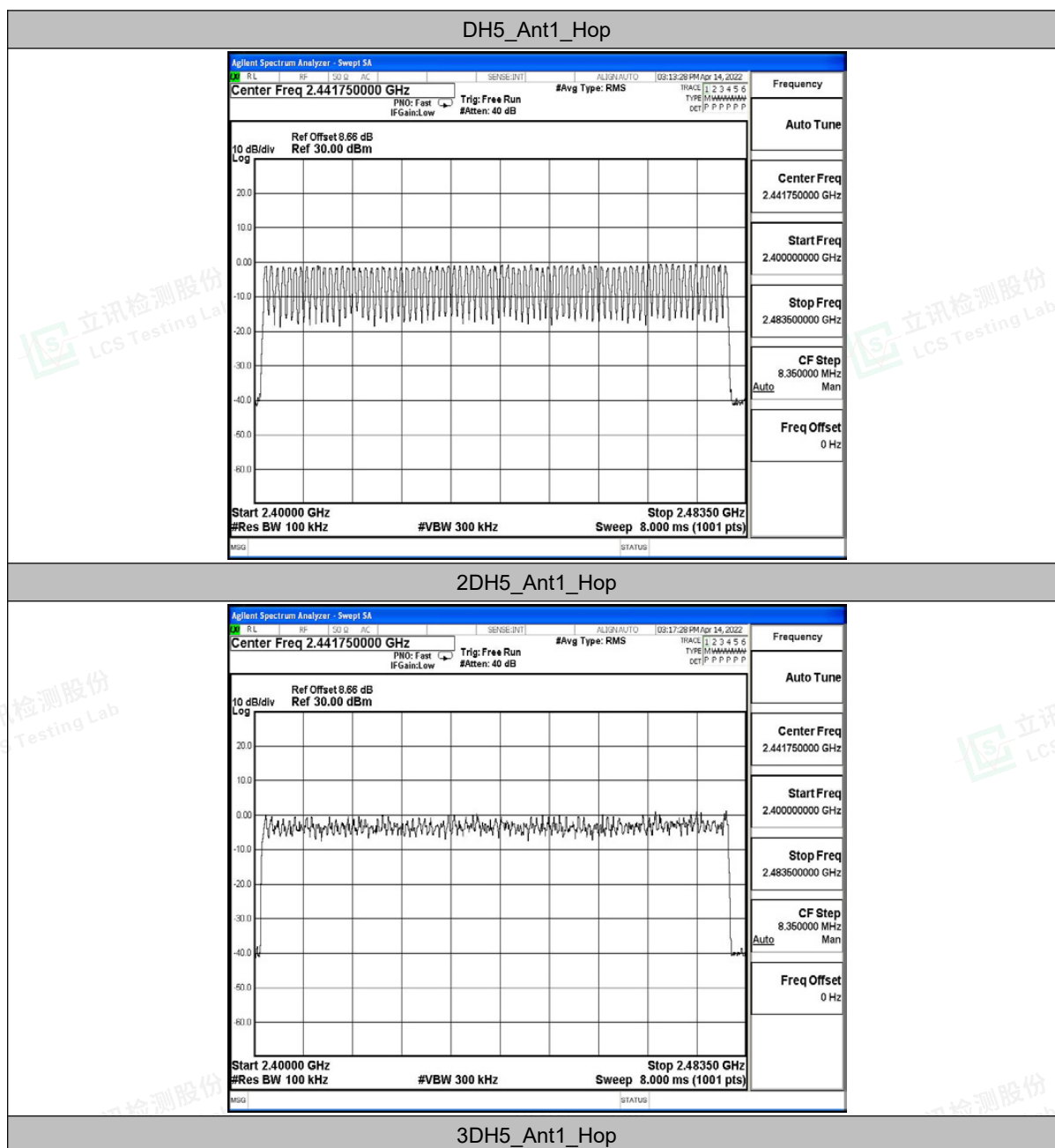
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Test Graphs

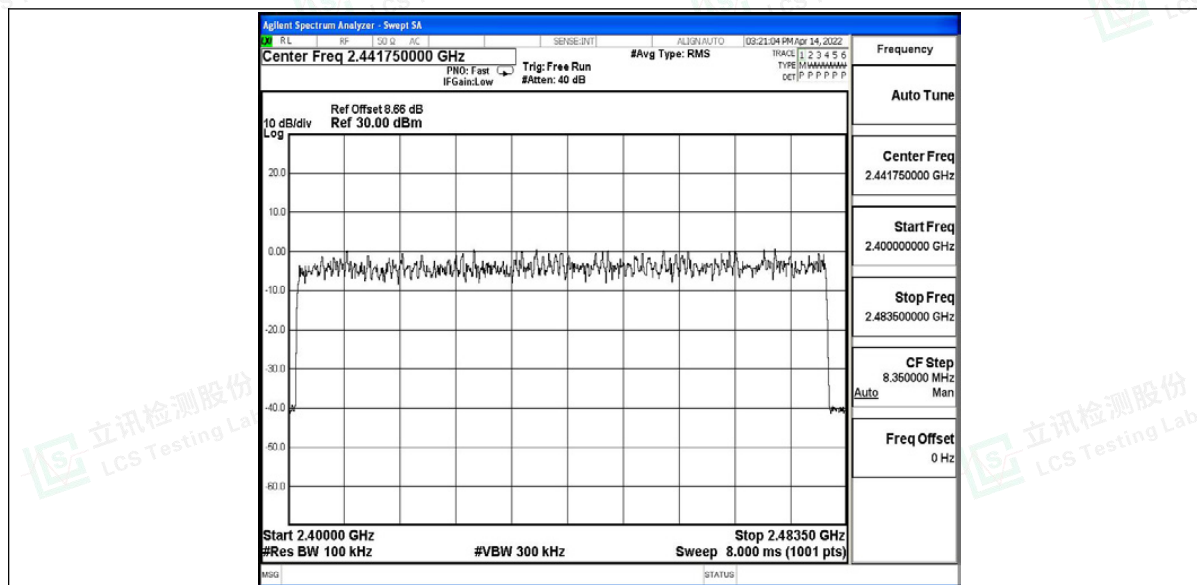


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A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.78	-55.59	≤-18.22	PASS
		High	2480	2.39	-57.48	≤-17.61	PASS
		Low	Hop_2402	-1.66	-59.68	≤-21.66	PASS
		High	Hop_2480	-0.24	-57.18	≤-20.24	PASS
2DH5	Ant1	Low	2402	2.91	-54.48	≤-17.09	PASS
		High	2480	0.92	-57.81	≤-19.08	PASS
		Low	Hop_2402	-3.79	-59.77	≤-23.79	PASS
		High	Hop_2480	0.48	-58.08	≤-19.52	PASS
3DH5	Ant1	Low	2402	0.07	-54.62	≤-19.94	PASS
		High	2480	0.82	-57.66	≤-19.18	PASS
		Low	Hop_2402	-3.23	-59.26	≤-23.23	PASS
		High	Hop_2480	0.41	-57.74	≤-19.59	PASS



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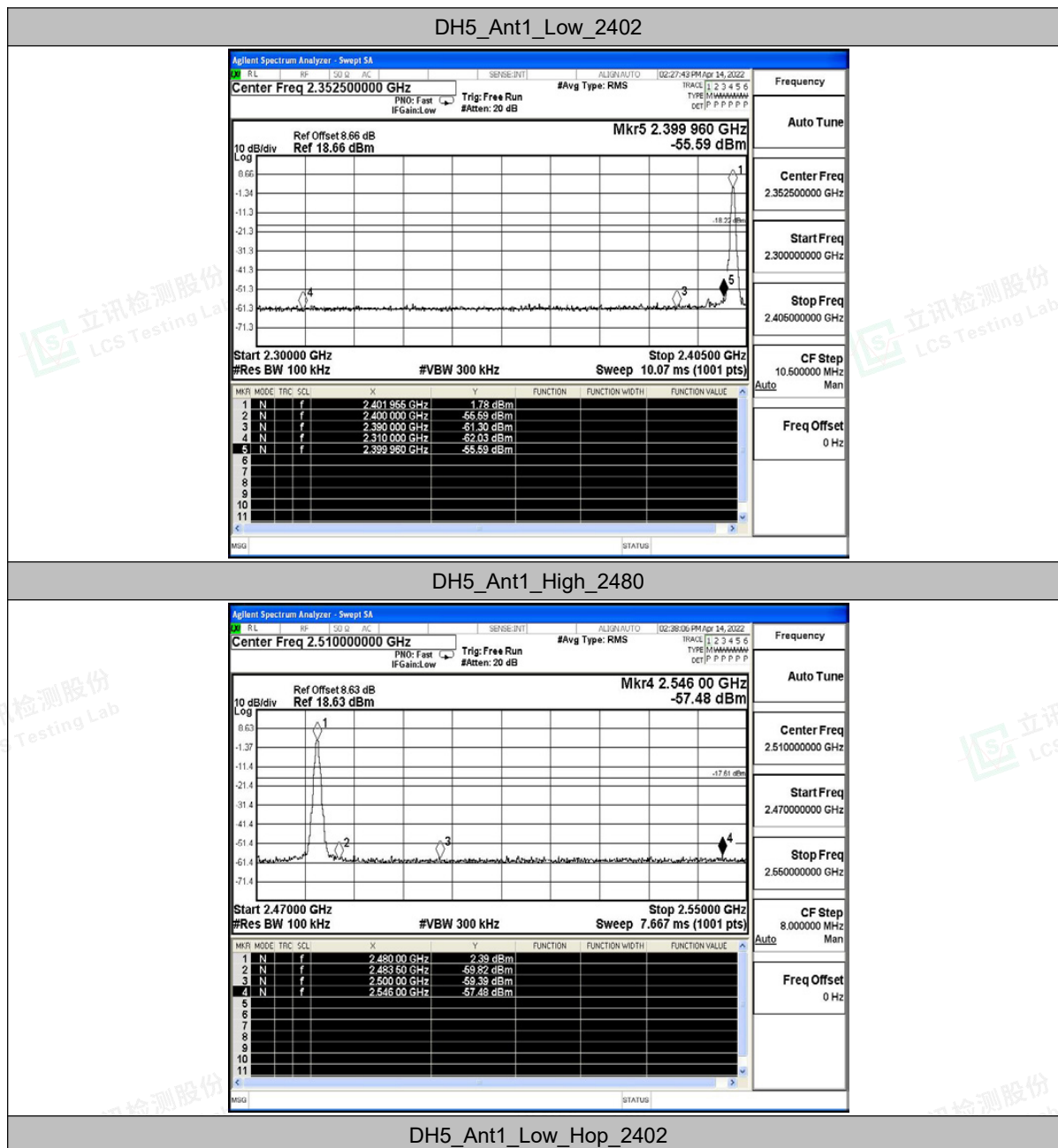
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Test Graphs

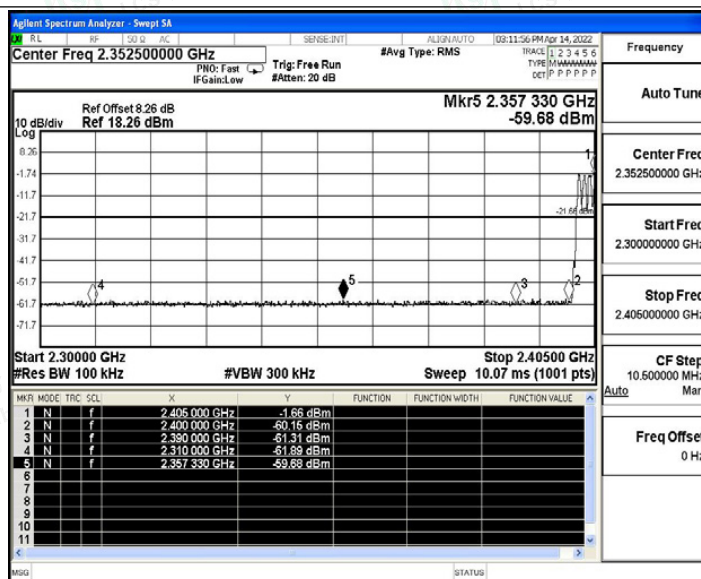


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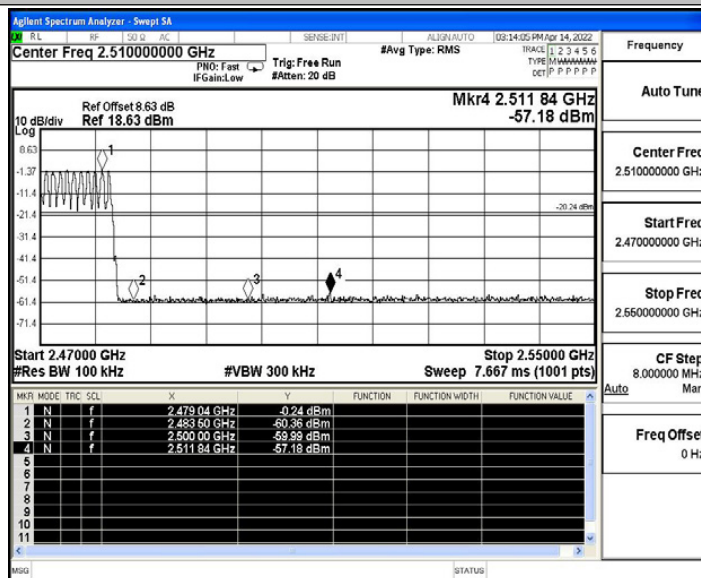
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

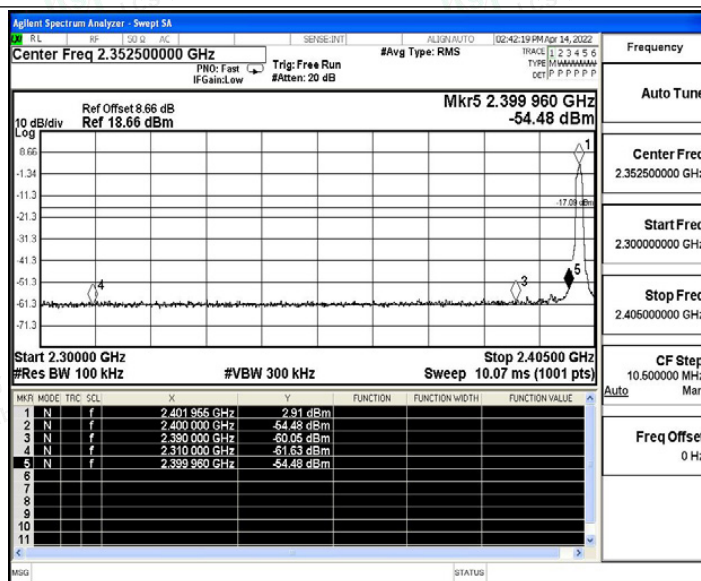


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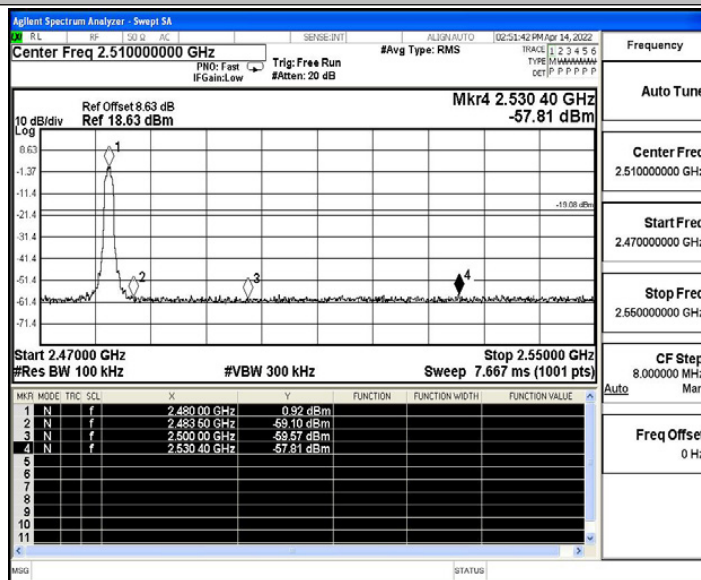
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

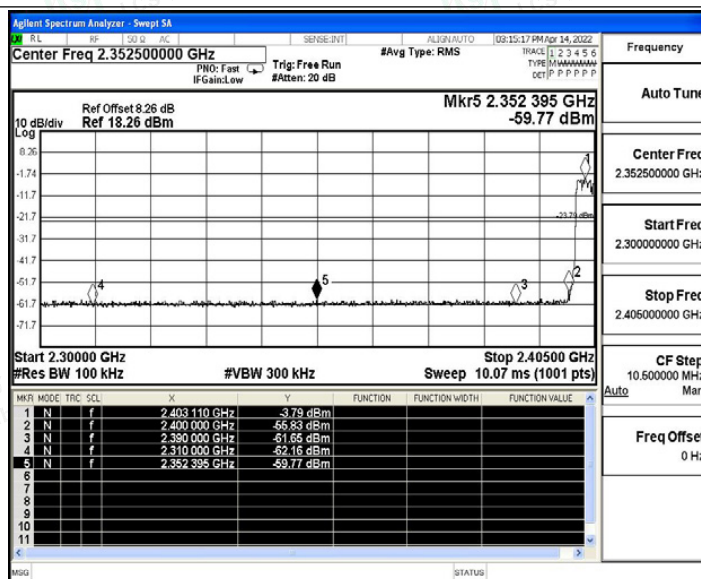


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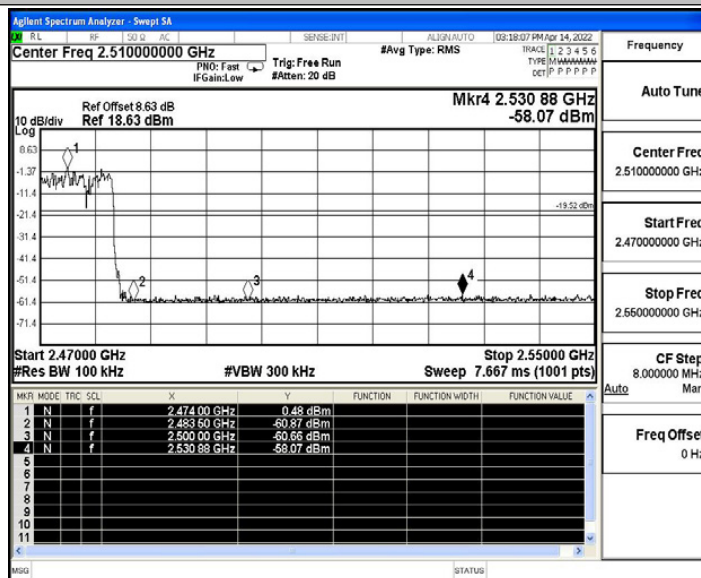
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2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

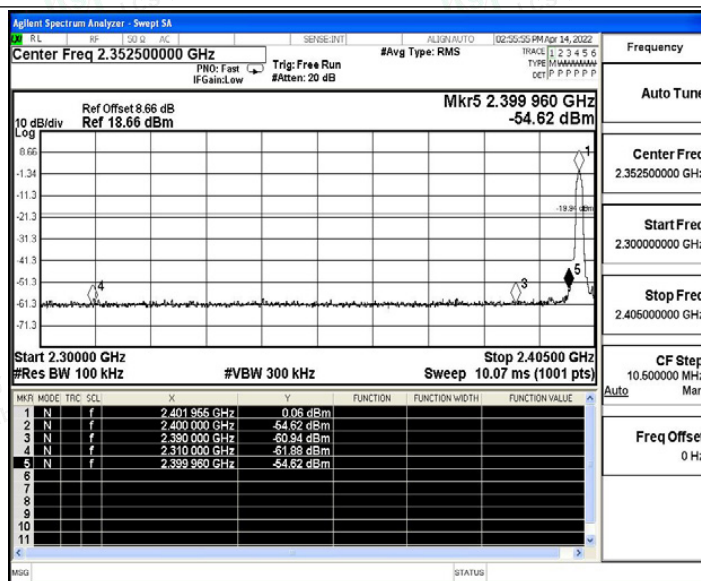


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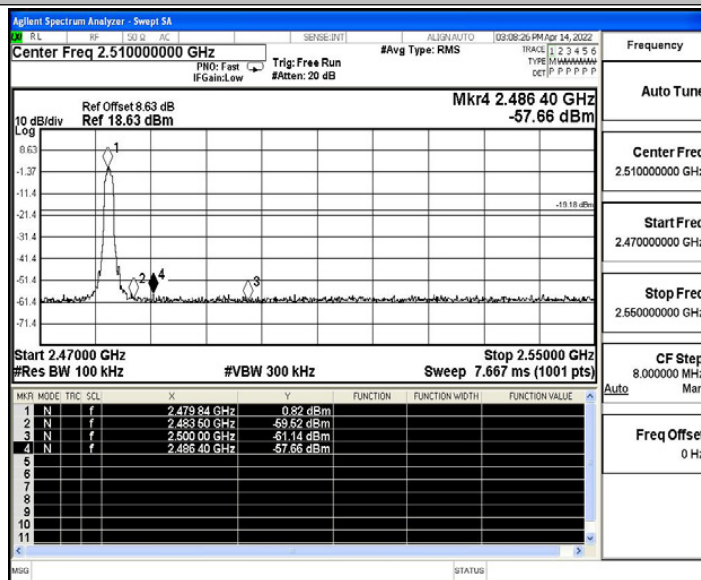
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3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402

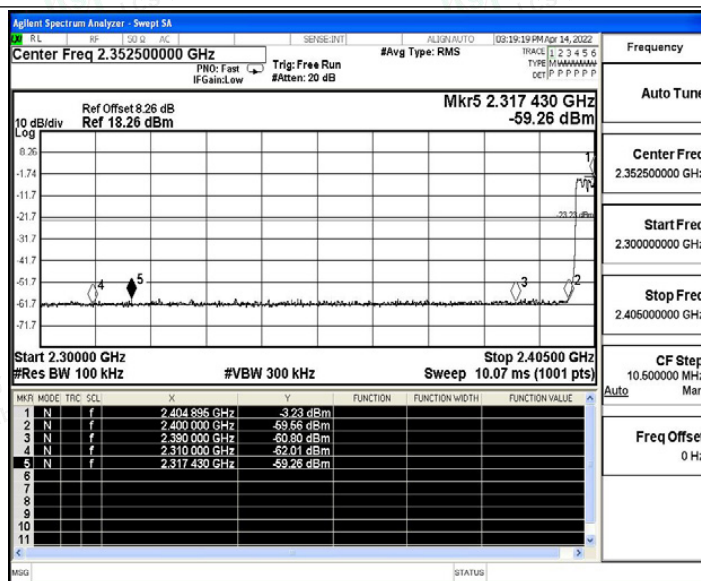


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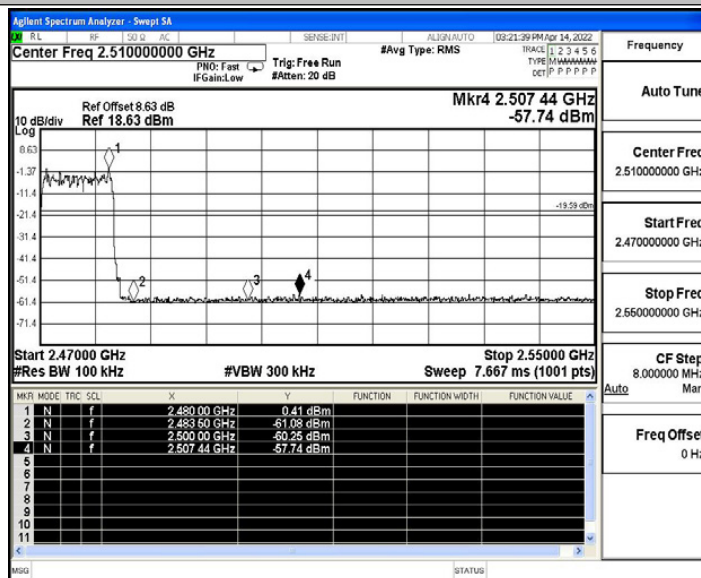
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3DH5_Ant1_High_Hop_2480



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A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.91	1.91	---	PASS
			30~1000	1.91	-60.07	≤-18.09	PASS
			1000~26500	1.91	-45.84	≤-18.09	PASS
		2441	Reference	1.37	1.37	---	PASS
			30~1000	1.37	-60.42	≤-18.63	PASS
			1000~26500	1.37	-39.25	≤-18.63	PASS
		2480	Reference	2.36	2.36	---	PASS
			30~1000	2.36	-60.55	≤-17.64	PASS
			1000~26500	2.36	-46.01	≤-17.64	PASS
2DH5	Ant1	2402	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-60.39	≤-17.2	PASS
			1000~26500	2.80	-45.86	≤-17.2	PASS
		2441	Reference	0.10	0.10	---	PASS
			30~1000	0.10	-60.43	≤-19.9	PASS
			1000~26500	0.10	-46.54	≤-19.9	PASS
		2480	Reference	0.88	0.88	---	PASS
			30~1000	0.88	-60.64	≤-19.12	PASS
			1000~26500	0.88	-45.84	≤-19.12	PASS
3DH5	Ant1	2402	Reference	-0.05	-0.05	---	PASS
			30~1000	-0.05	-60.36	≤-20.05	PASS
			1000~26500	-0.05	-45.43	≤-20.05	PASS
		2441	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-60	≤-19.89	PASS
			1000~26500	0.11	-46.07	≤-19.89	PASS
		2480	Reference	0.83	0.83	---	PASS
			30~1000	0.83	-60.24	≤-19.17	PASS
			1000~26500	0.83	-46.03	≤-19.17	PASS



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