



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Notebook

Test Model: X1160

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

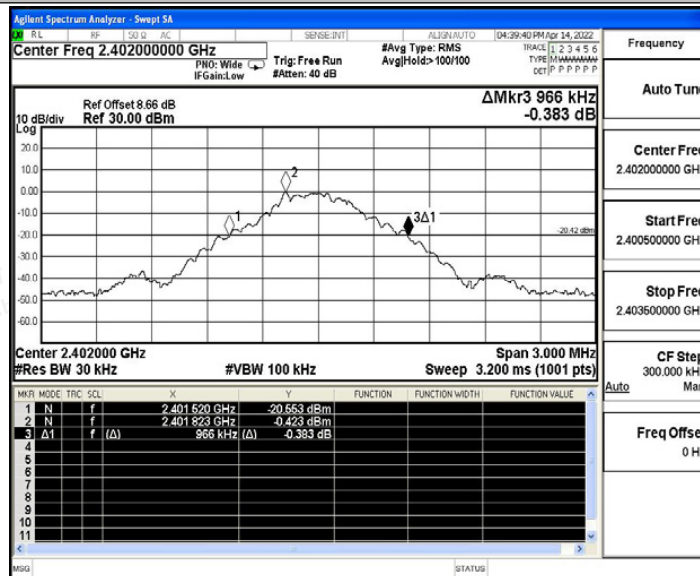
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.966	2401.520	2402.486	---	---
		2441	0.966	2440.520	2441.486	---	---
		2480	0.966	2479.517	2480.483	---	---
2DH5	Ant1	2402	1.284	2401.358	2402.642	---	---
		2441	1.287	2440.355	2441.642	---	---
		2480	1.284	2479.355	2480.639	---	---
3DH5	Ant1	2402	1.305	2401.340	2402.645	---	---
		2441	1.299	2440.340	2441.639	---	---
		2480	1.302	2479.340	2480.642	---	---



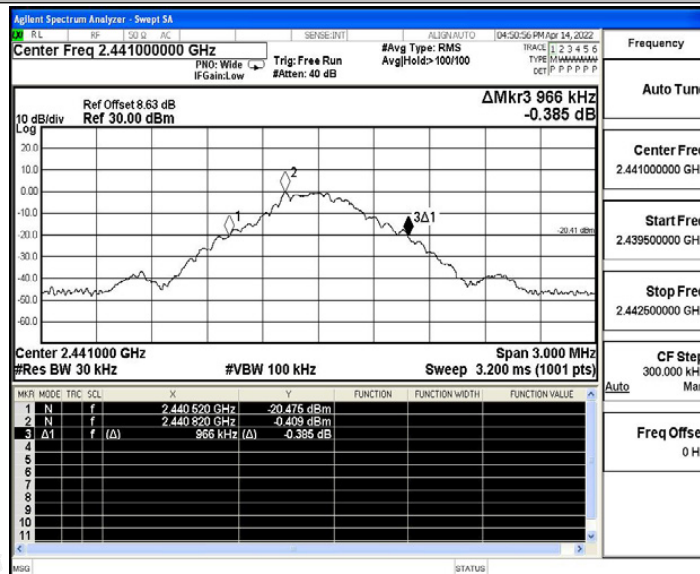


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

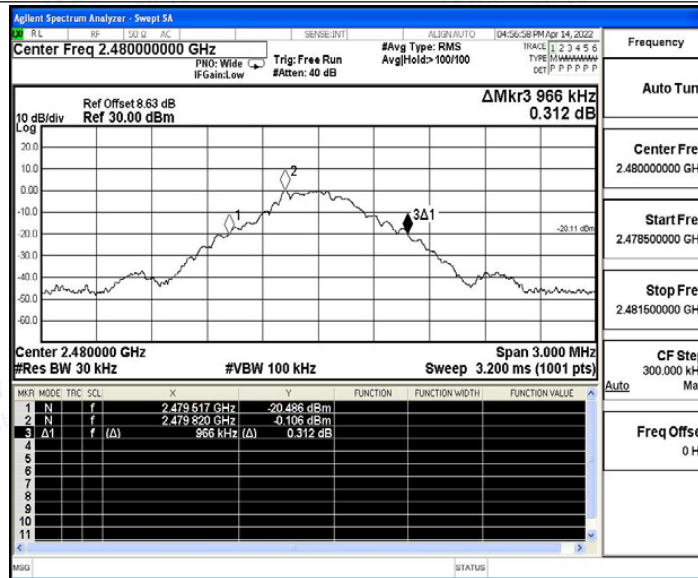


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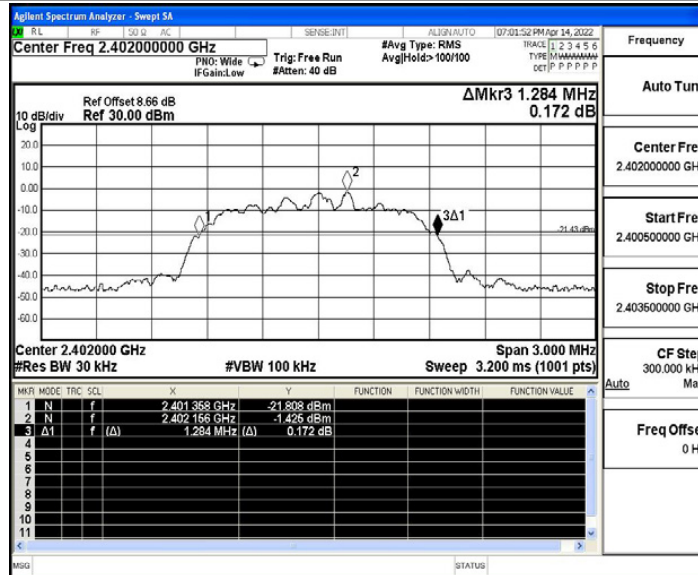
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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2DH5_Ant1_2402



2DH5_Ant1_2441

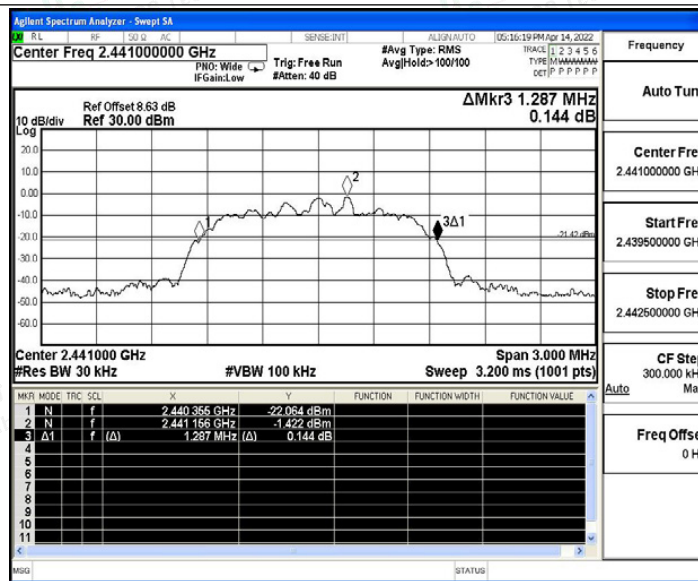


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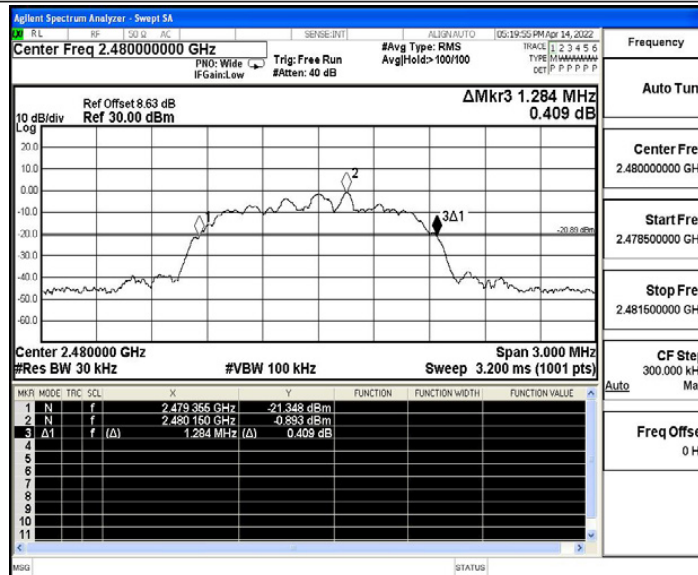
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2DH5_Ant1_2480



3DH5_Ant1_2402

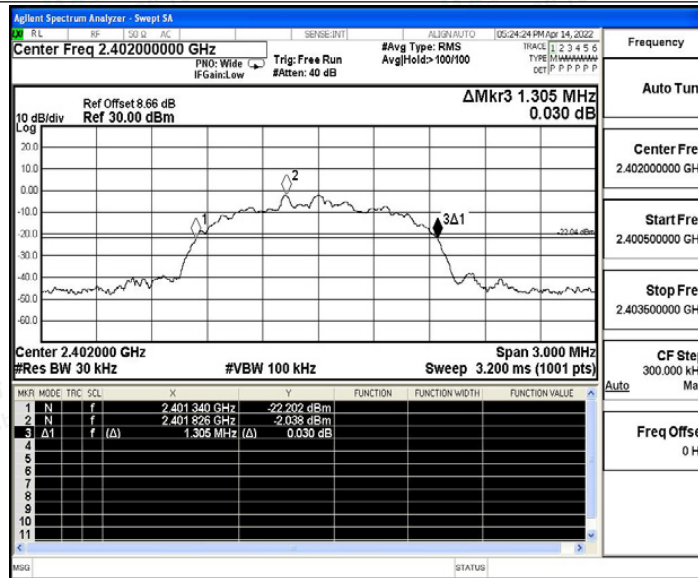


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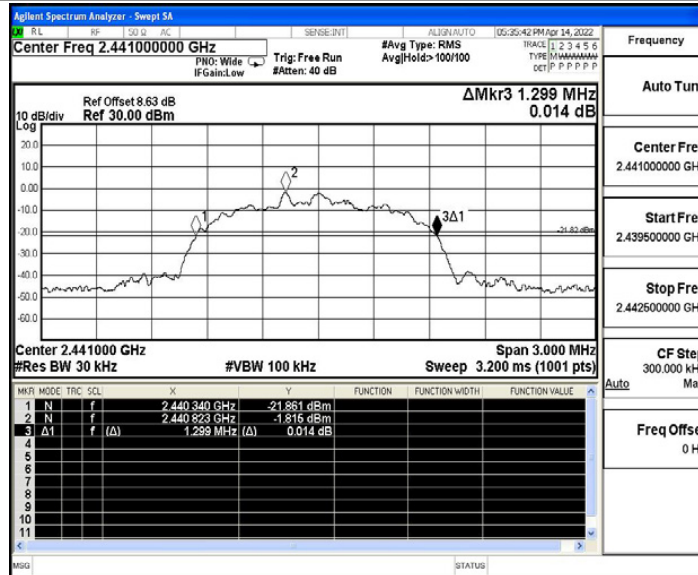
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3DH5_Ant1_2441



3DH5_Ant1_2480

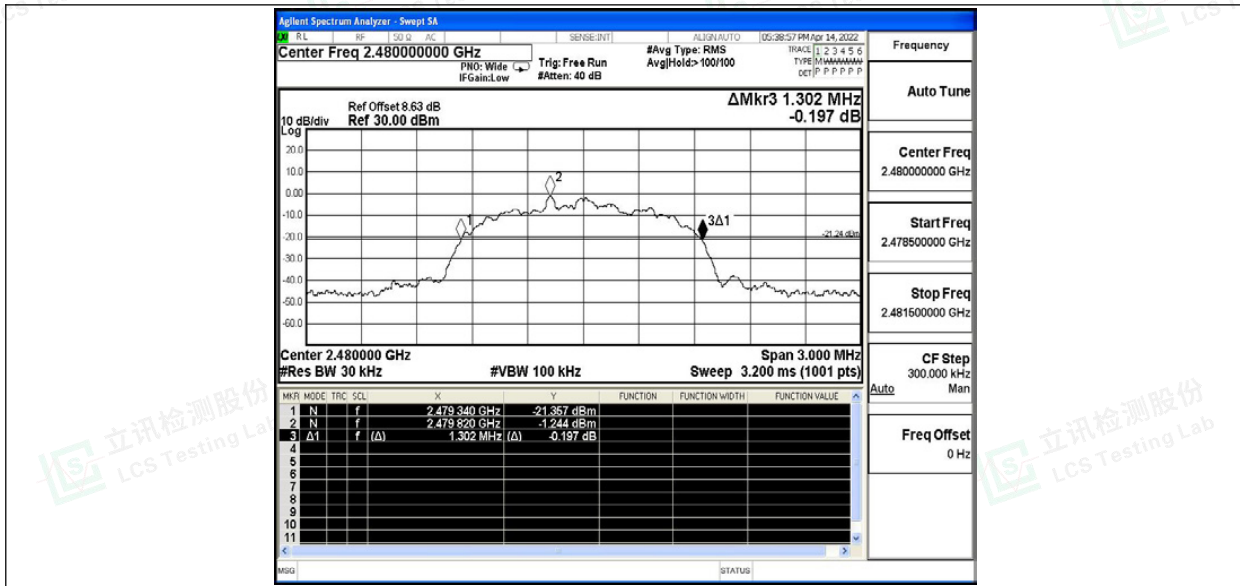


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A.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.17	≤20.97	PASS
		2441	2.22	≤20.97	PASS
		2480	2.6	≤20.97	PASS
2DH5	Ant1	2402	2.15	≤20.97	PASS
		2441	2.24	≤20.97	PASS
		2480	2.82	≤20.97	PASS
3DH5	Ant1	2402	2.58	≤20.97	PASS
		2441	2.73	≤20.97	PASS
		2480	3.38	≤20.97	PASS



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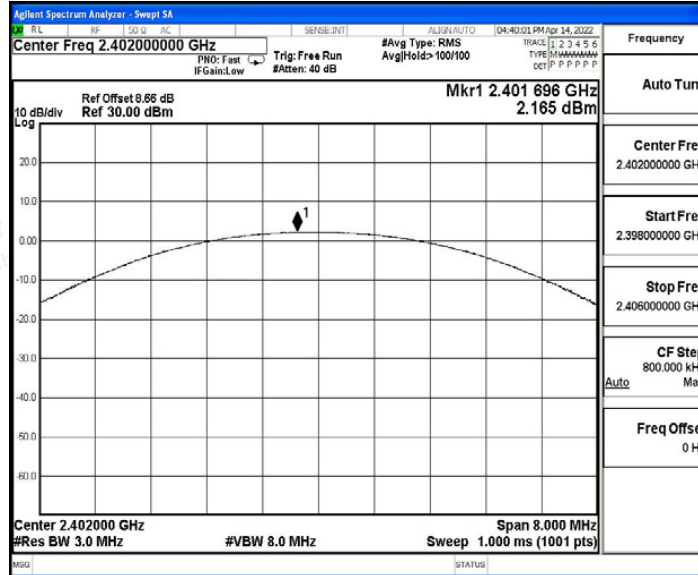
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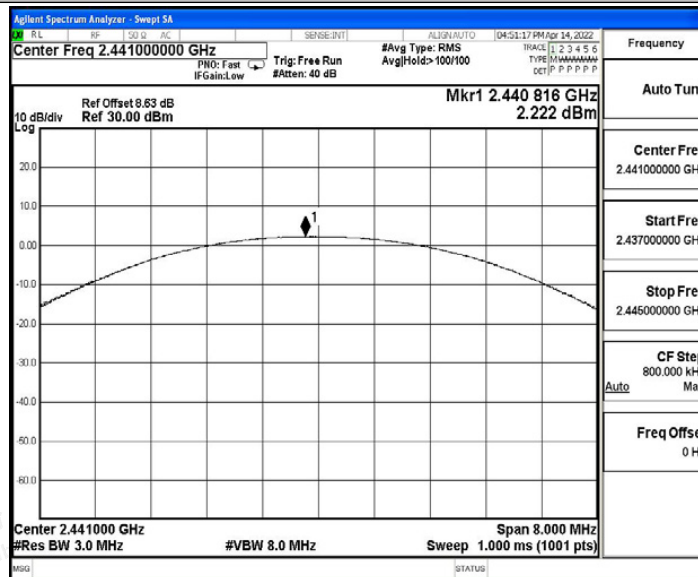


Test Graphs

DH5_Ant1_2402

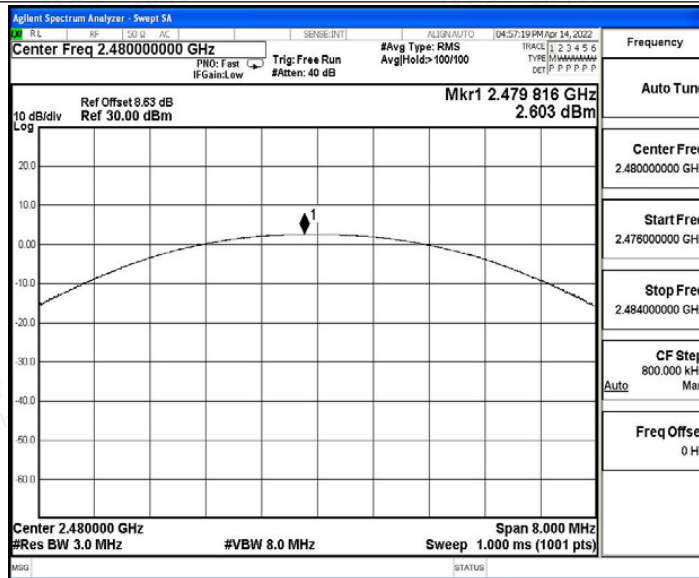


DH5_Ant1_2441

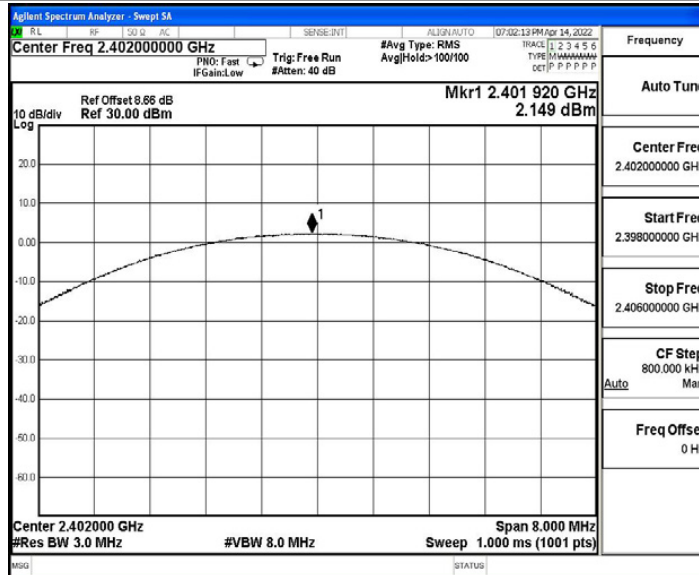


DH5_Ant1_2480





2DH5_Ant1_2402



2DH5_Ant1_2441

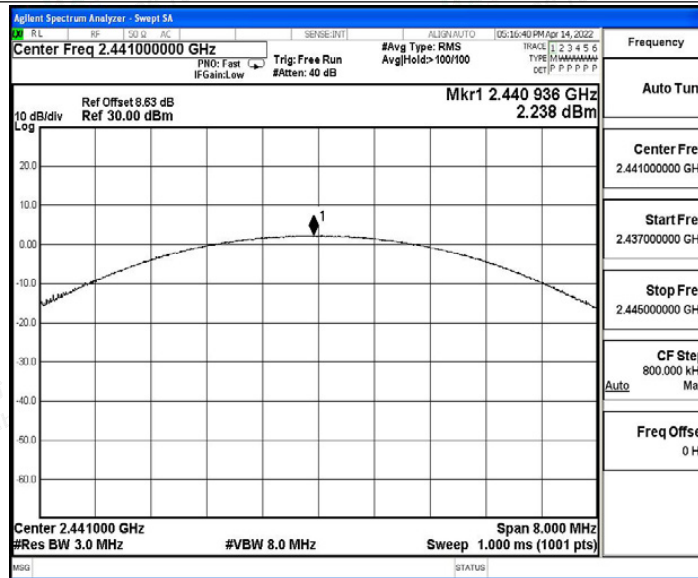


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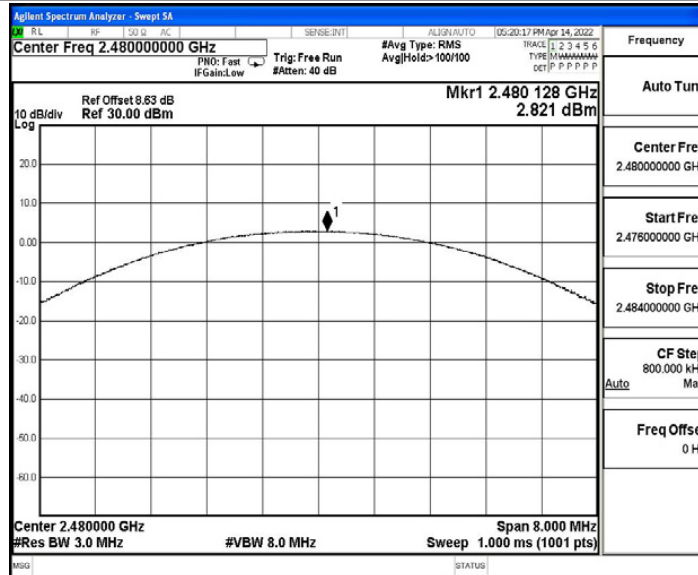
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2DH5_Ant1_2480



3DH5_Ant1_2402

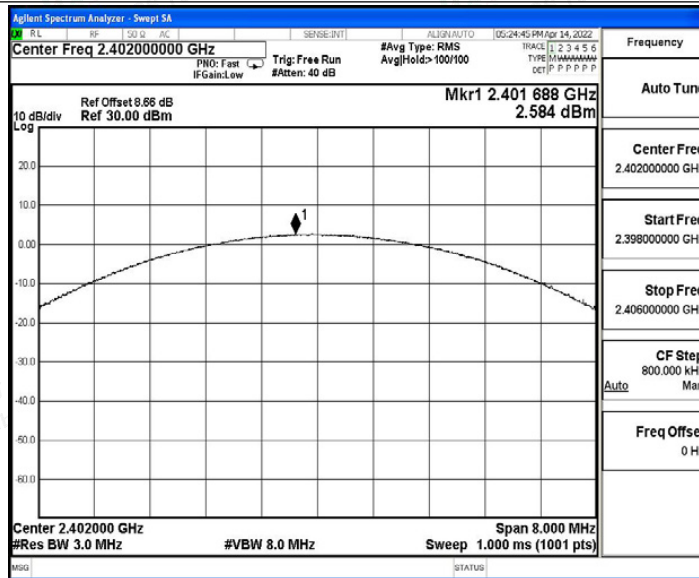


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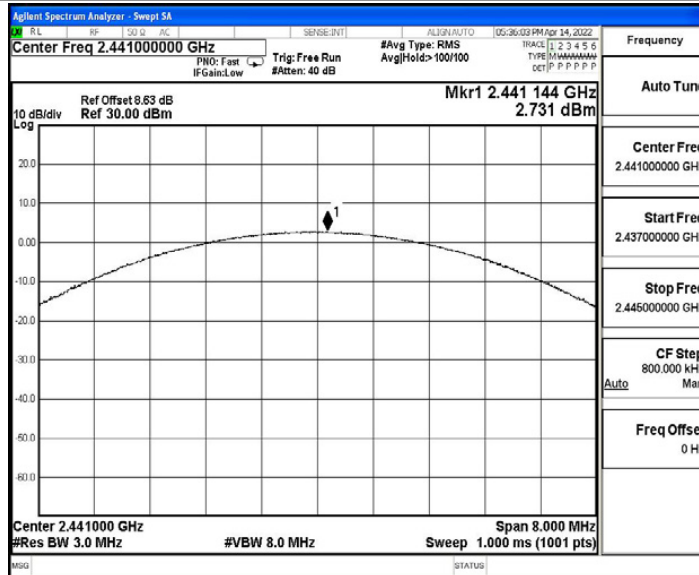
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3DH5_Ant1_2441



3DH5_Ant1_2480

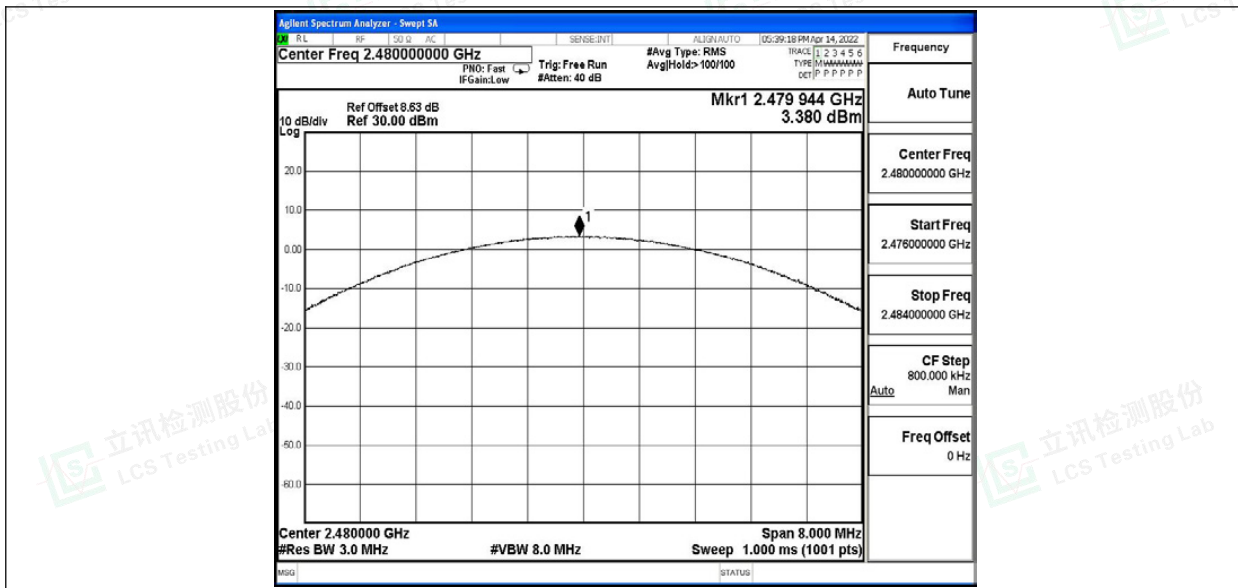


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A.3 Carrier frequency separation

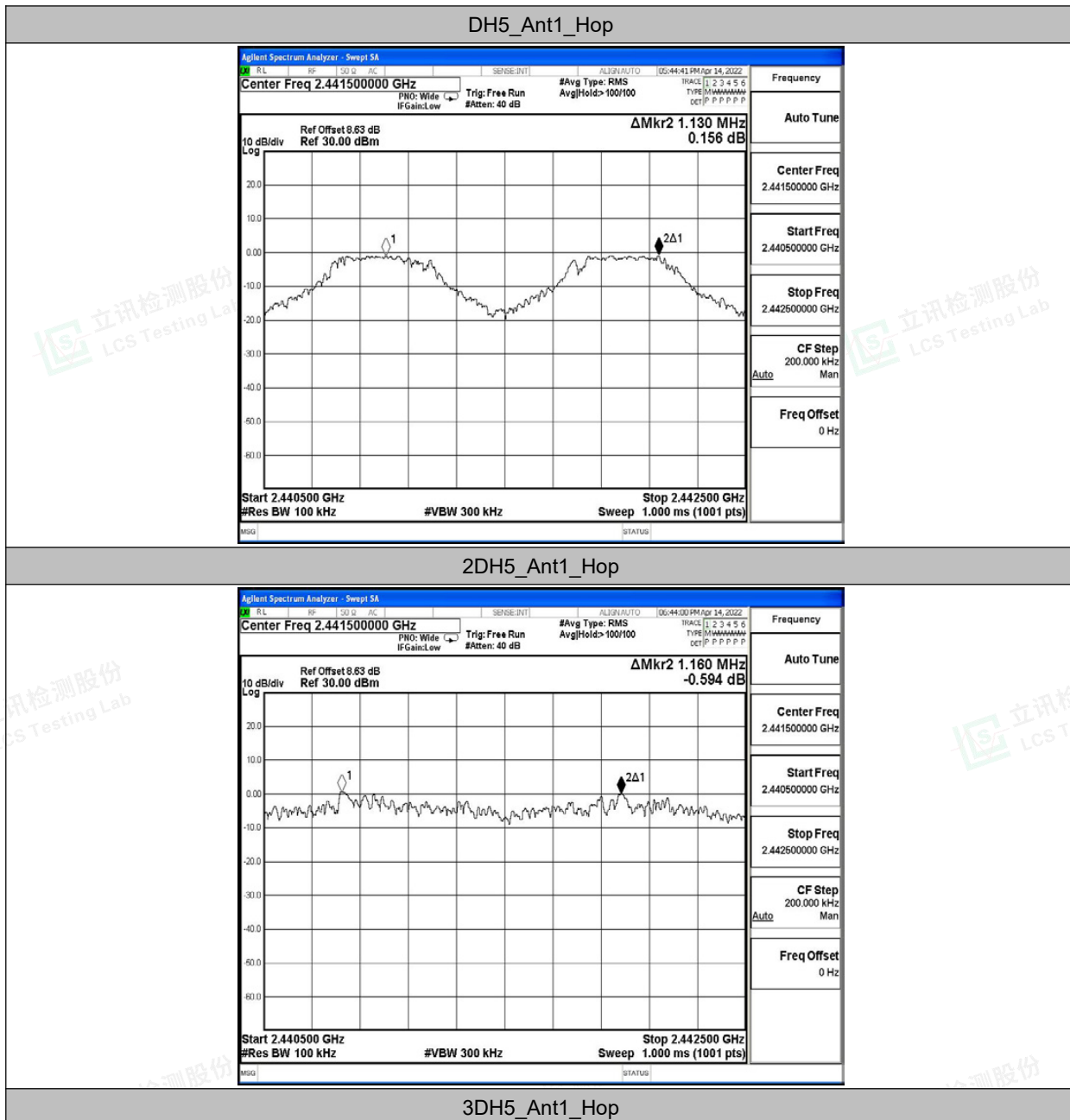
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.13	≥0.966	PASS
2DH5	Ant1	Hop	1.16	≥0.858	PASS
3DH5	Ant1	Hop	0.908	≥0.870	PASS





Test Graphs

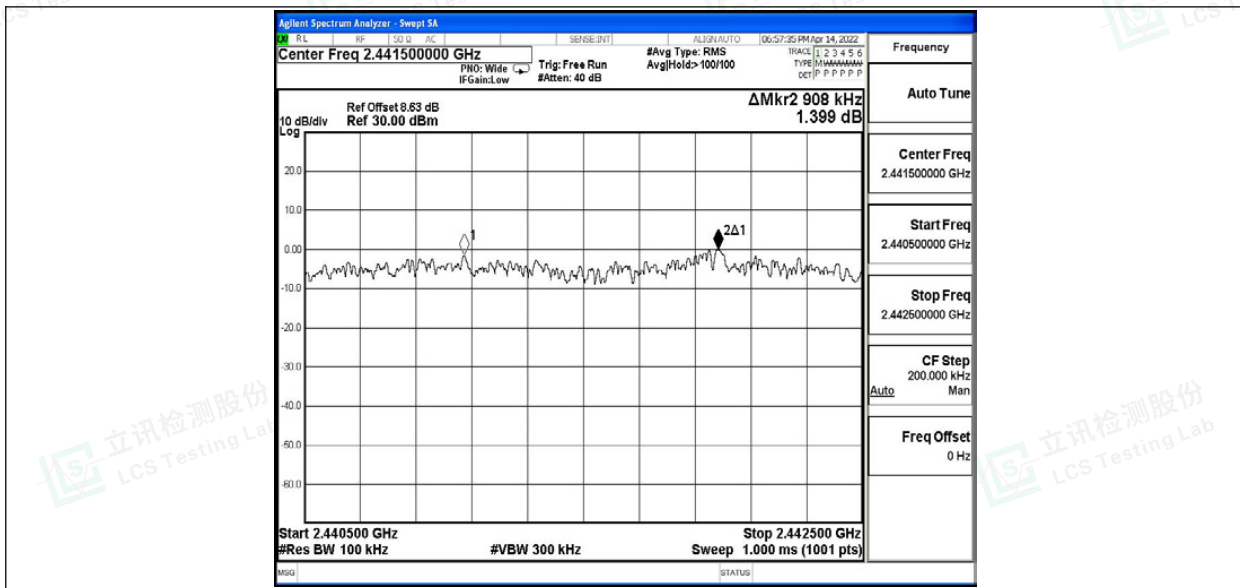


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A.4 Time of occupancy

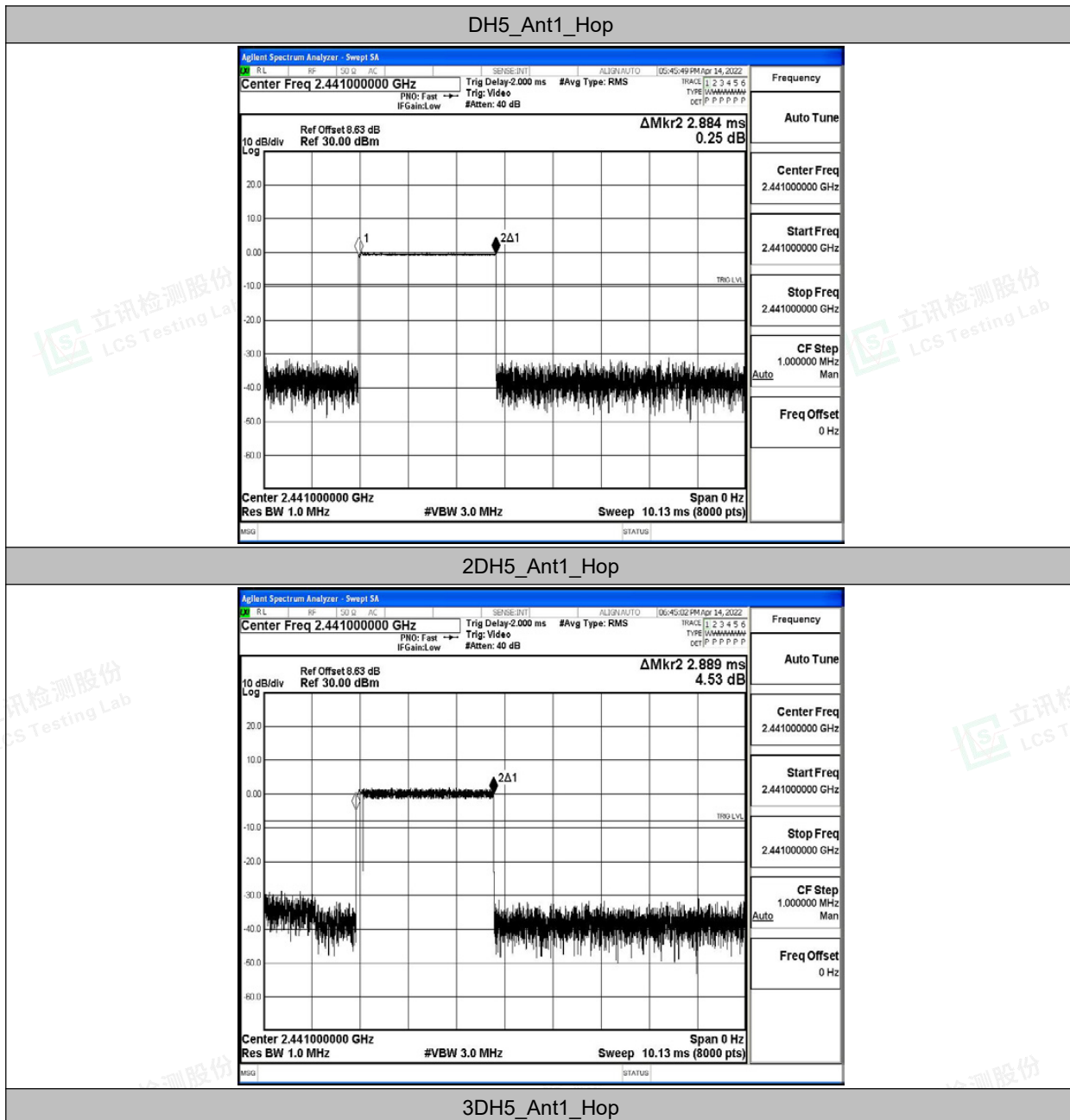
Test Result

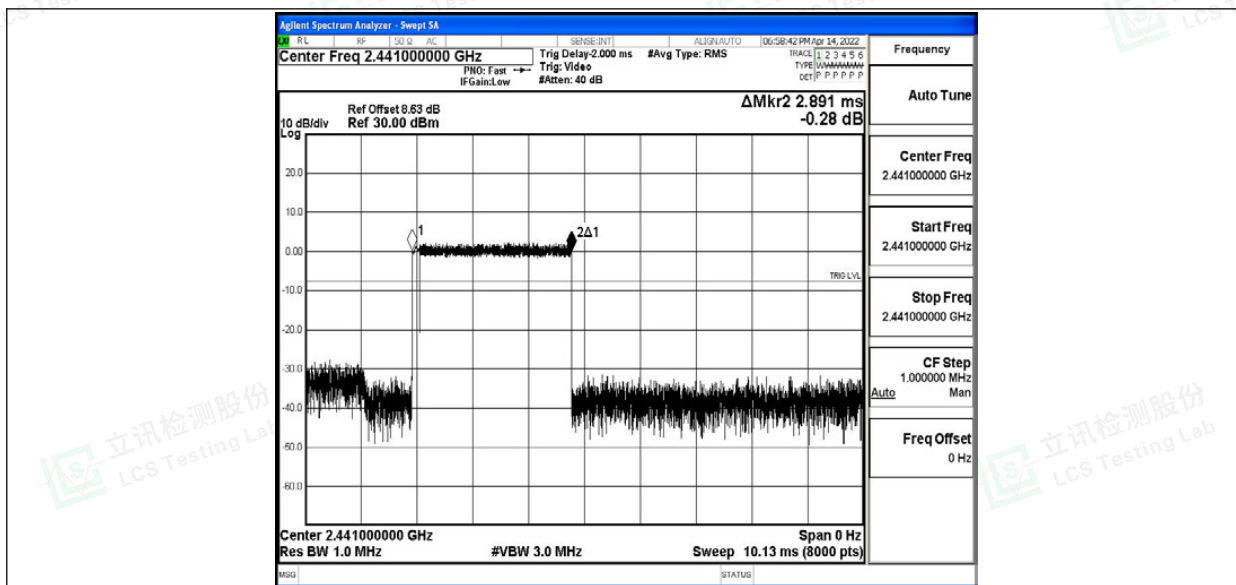
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.308	≤0.4	PASS
2DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS





Test Graphs







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





Test Graphs

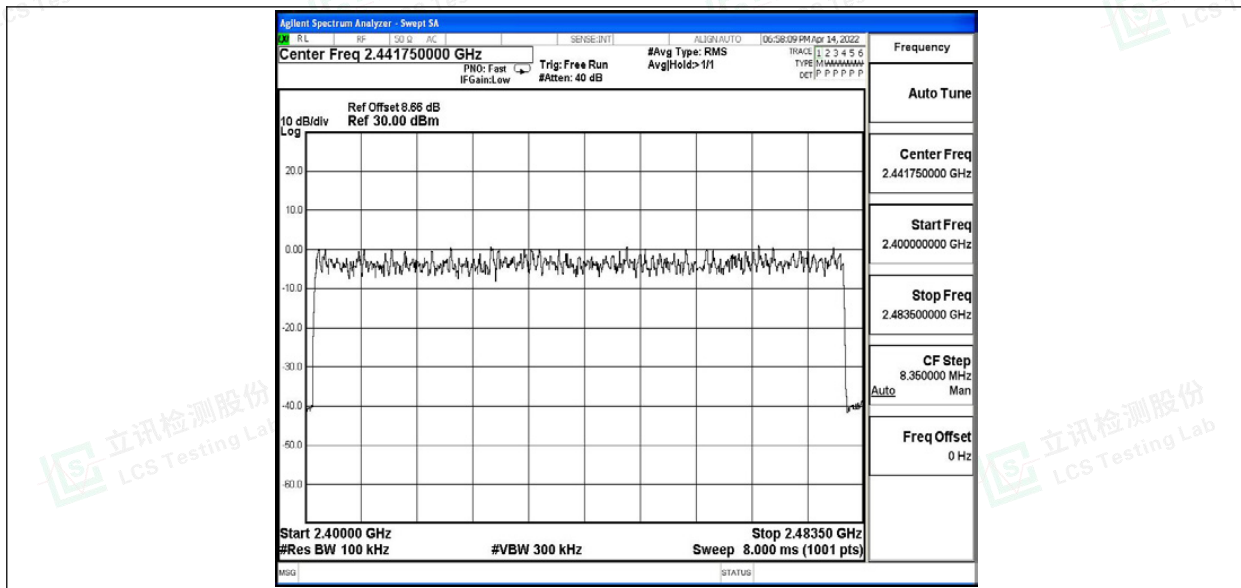


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A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.72	-56.58	≤-18.28	PASS
		High	2480	1.94	-57.95	≤-18.06	PASS
		Low	Hop_2402	-1.43	-59.2	≤-21.43	PASS
		High	Hop_2480	-0.08	-58.07	≤-20.08	PASS
2DH5	Ant1	Low	2402	0.32	-56.02	≤-19.68	PASS
		High	2480	0.91	-57.84	≤-19.09	PASS
		Low	Hop_2402	-2.04	-59.07	≤-22.04	PASS
		High	Hop_2480	-1.54	-57.76	≤-21.54	PASS
3DH5	Ant1	Low	2402	0.26	-55.23	≤-19.74	PASS
		High	2480	1.06	-57.13	≤-18.95	PASS
		Low	Hop_2402	-2.27	-59.31	≤-22.27	PASS
		High	Hop_2480	-1.18	-58.09	≤-21.18	PASS



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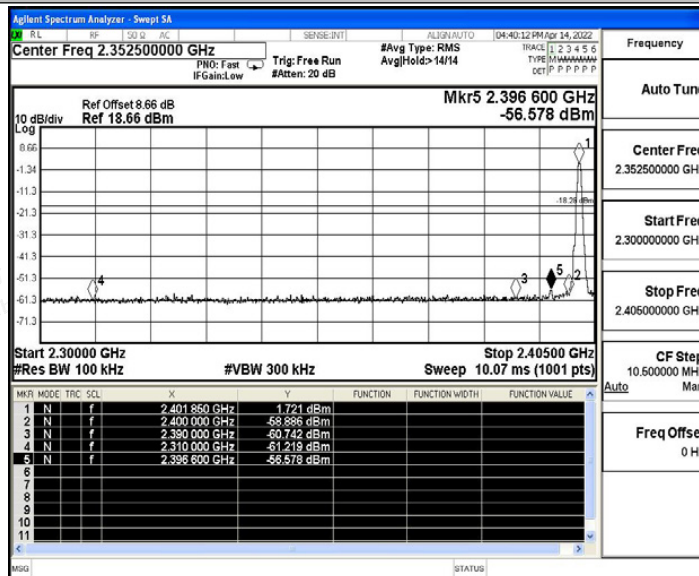
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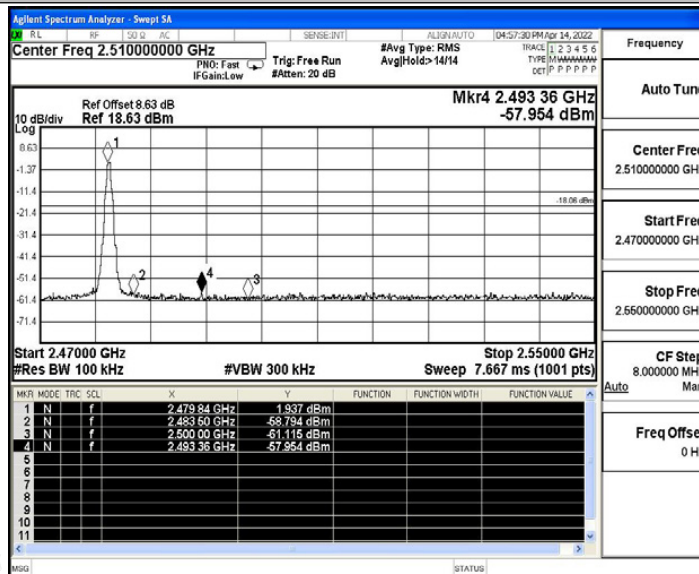


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

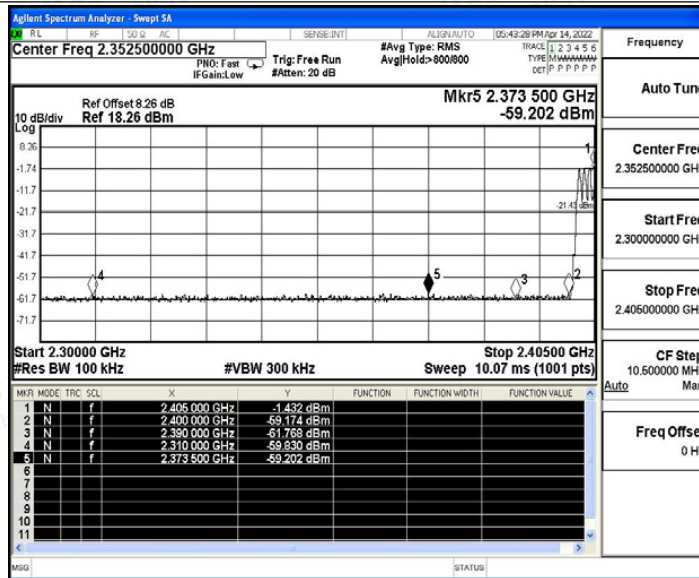


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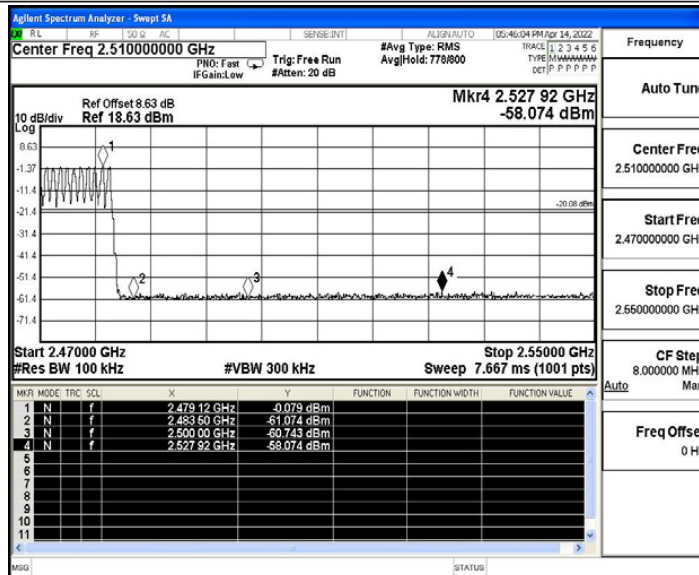
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

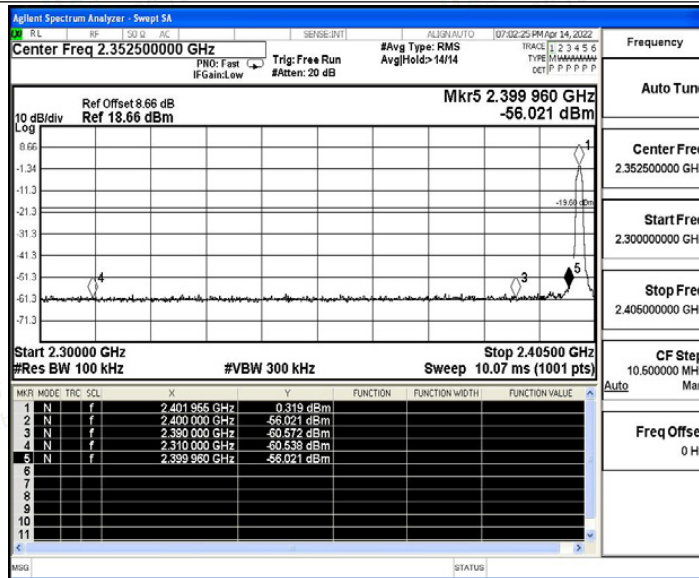


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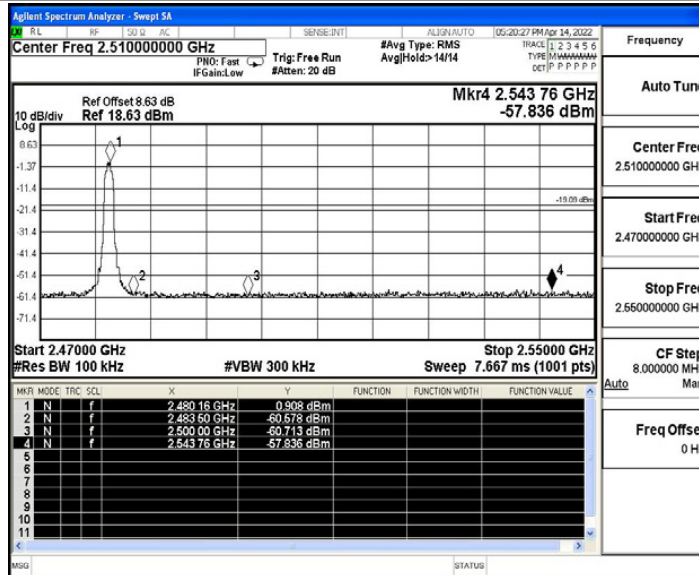
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

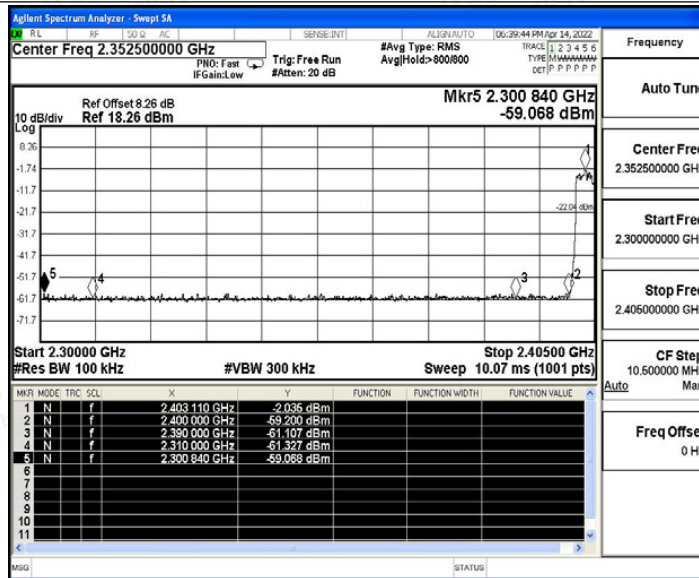


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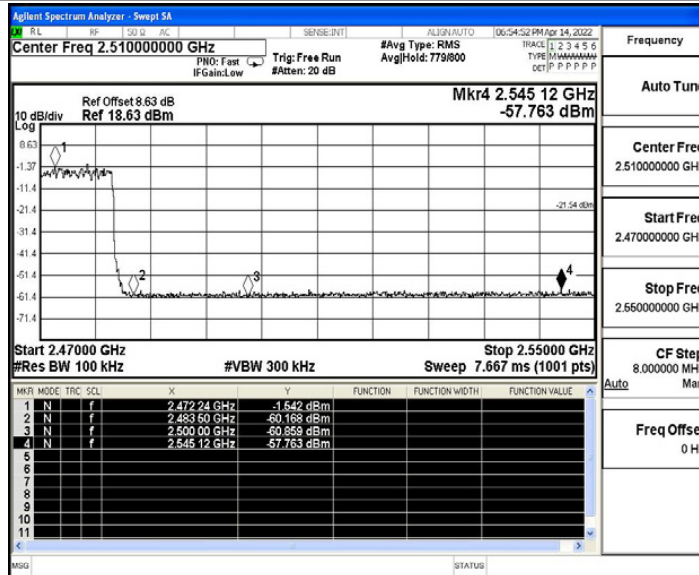
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2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

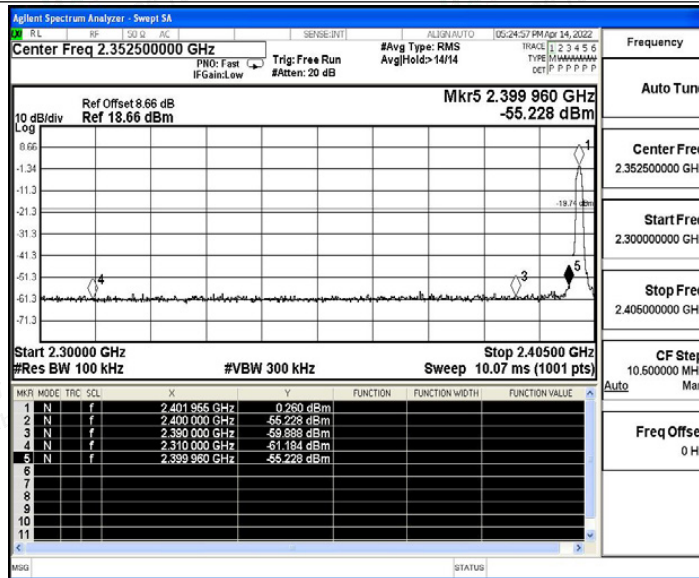


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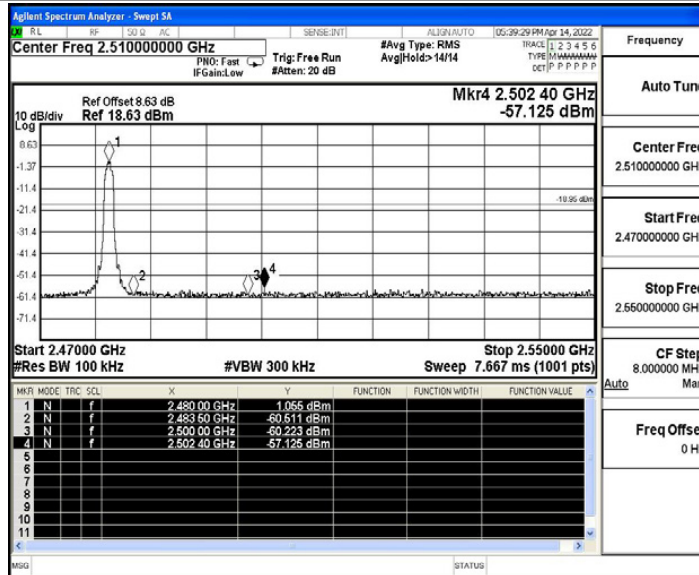
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3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402

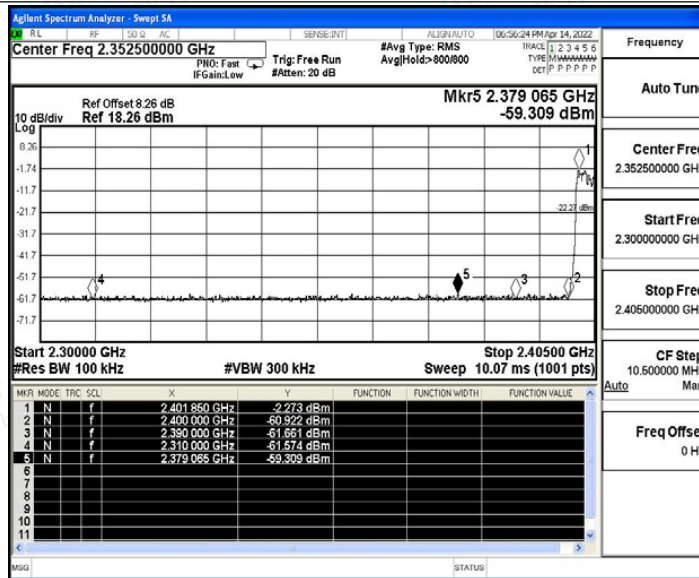


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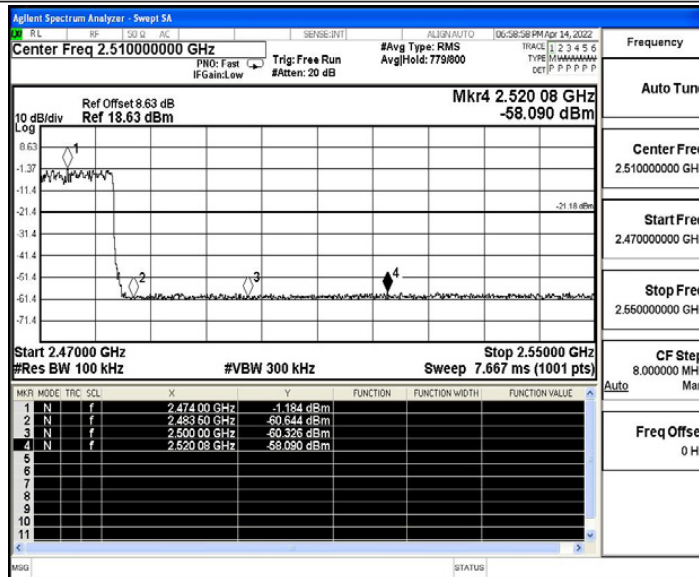
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3DH5_Ant1_High_Hop_2480



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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	1.71	1.71	---	PASS
			30~1000	1.71	-60.2	≤-18.29	PASS
			1000~26500	1.71	-46.24	≤-18.29	PASS
		2441	Reference	1.78	1.78	---	PASS
			30~1000	1.78	-60.49	≤-18.22	PASS
			1000~26500	1.78	-28.32	≤-18.22	PASS
		2480	Reference	2.15	2.15	---	PASS
			30~1000	2.15	-61	≤-17.85	PASS
			1000~26500	5.22	-45.71	≤-14.78	PASS
2DH5	Ant1	2402	Reference	0.32	0.32	---	PASS
			30~1000	0.32	-60.77	≤-19.68	PASS
			1000~26500	0.32	-46.14	≤-19.68	PASS
		2441	Reference	0.30	0.30	---	PASS
			30~1000	0.30	-60.83	≤-19.7	PASS
			1000~26500	0.30	-46.18	≤-19.7	PASS
		2480	Reference	0.97	0.97	---	PASS
			30~1000	0.97	-59.68	≤-19.03	PASS
			1000~26500	0.97	-46.14	≤-19.03	PASS
3DH5	Ant1	2402	Reference	0.25	0.25	---	PASS
			30~1000	0.25	-61.32	≤-19.75	PASS
			1000~26500	0.25	-46.59	≤-19.75	PASS
		2441	Reference	0.33	0.33	---	PASS
			30~1000	0.33	-60.32	≤-19.67	PASS
			1000~26500	0.33	-40.65	≤-19.67	PASS
		2480	Reference	0.98	0.98	---	PASS
			30~1000	0.98	-60.88	≤-19.02	PASS
			1000~26500	0.98	-46.02	≤-19.02	PASS

