



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: GamePad

Test Model: W-10

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
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	1.038	2401.454	2402.492	---	---
		2441	1.035	2440.454	2441.489	---	---
		2480	1.032	2479.457	2480.489	---	---
2DH5	Ant1	2402	1.293	2401.352	2402.645	---	---
		2441	1.329	2440.322	2441.651	---	---
		2480	1.290	2479.352	2480.642	---	---
3DH5	Ant1	2402	1.293	2401.340	2402.633	---	---
		2441	1.305	2440.337	2441.642	---	---
		2480	1.311	2479.334	2480.645	---	---



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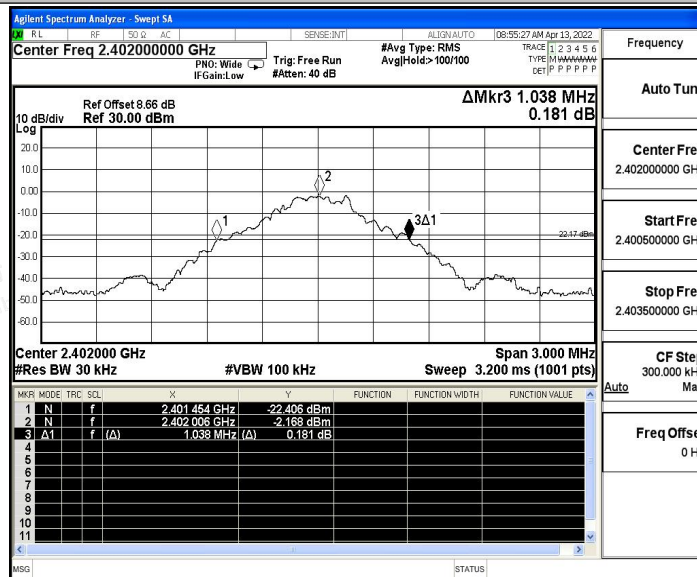
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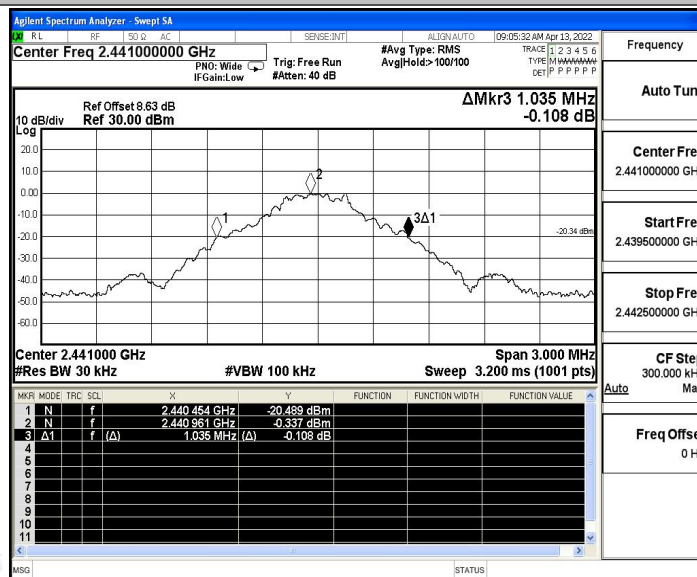


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

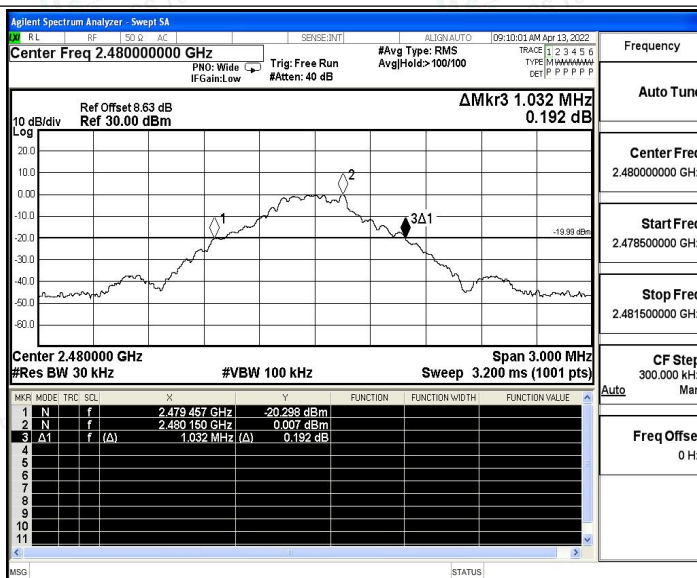


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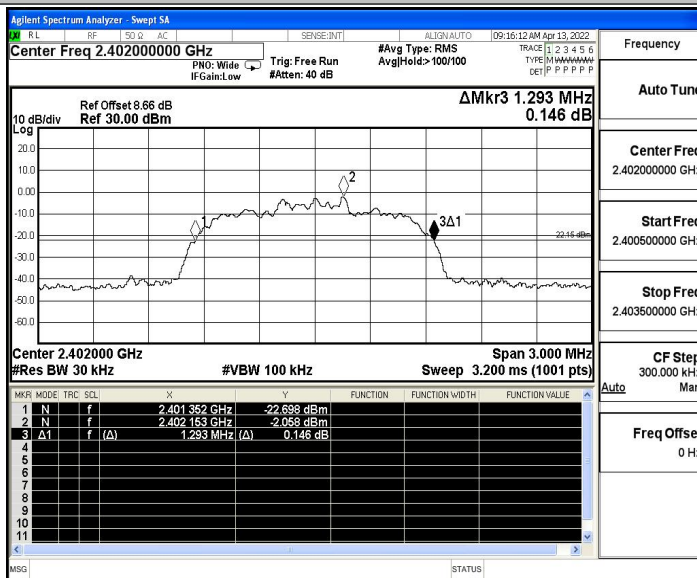
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2DH5_Ant1_2402



2DH5_Ant1_2441

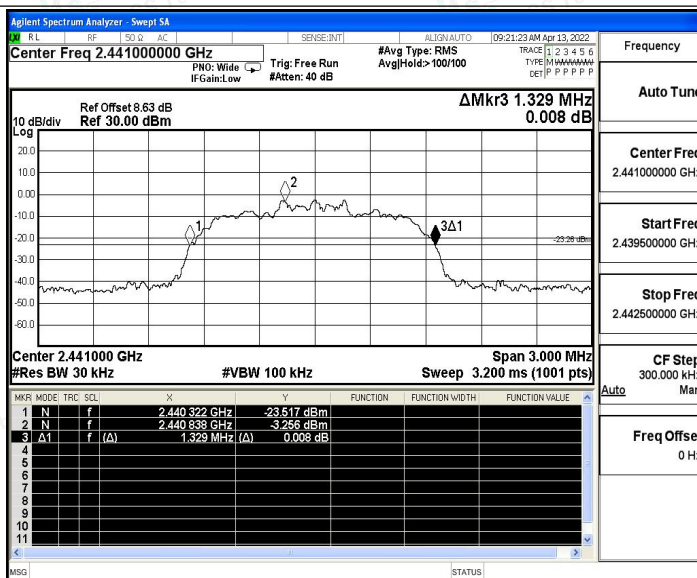


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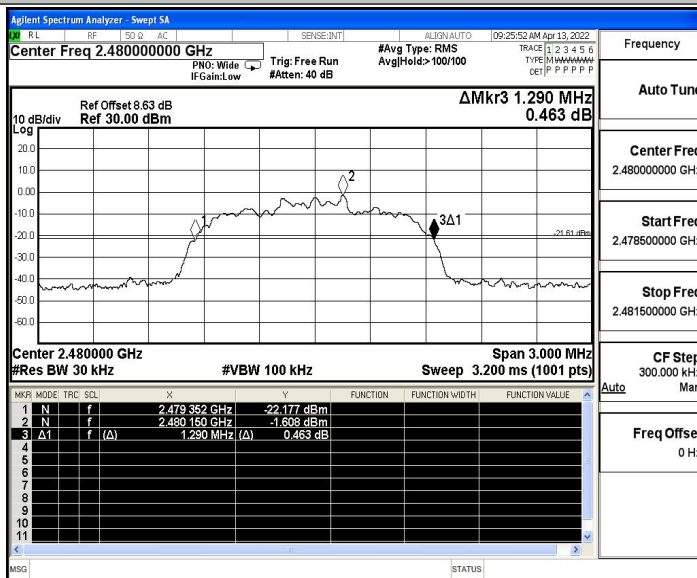
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2DH5_Ant1_2480



3DH5_Ant1_2402

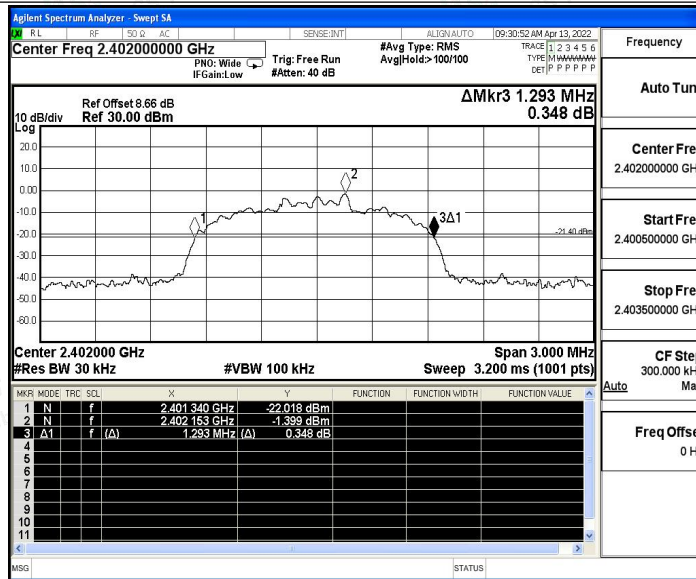


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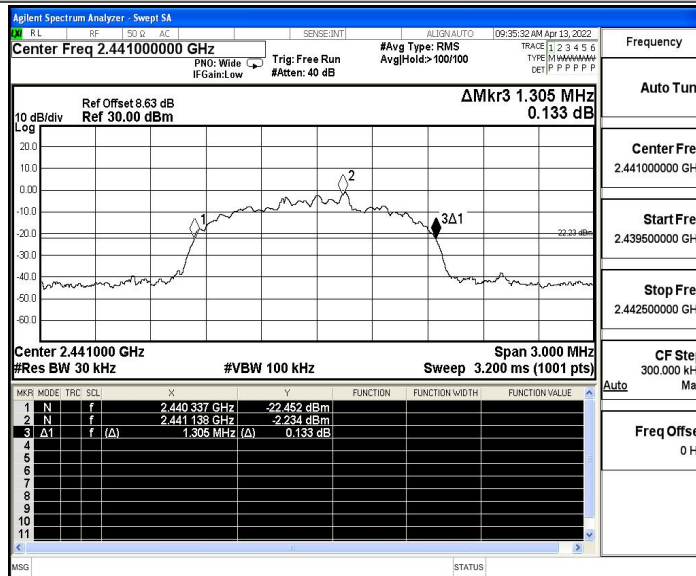
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3DH5_Ant1_2441



3DH5_Ant1_2480

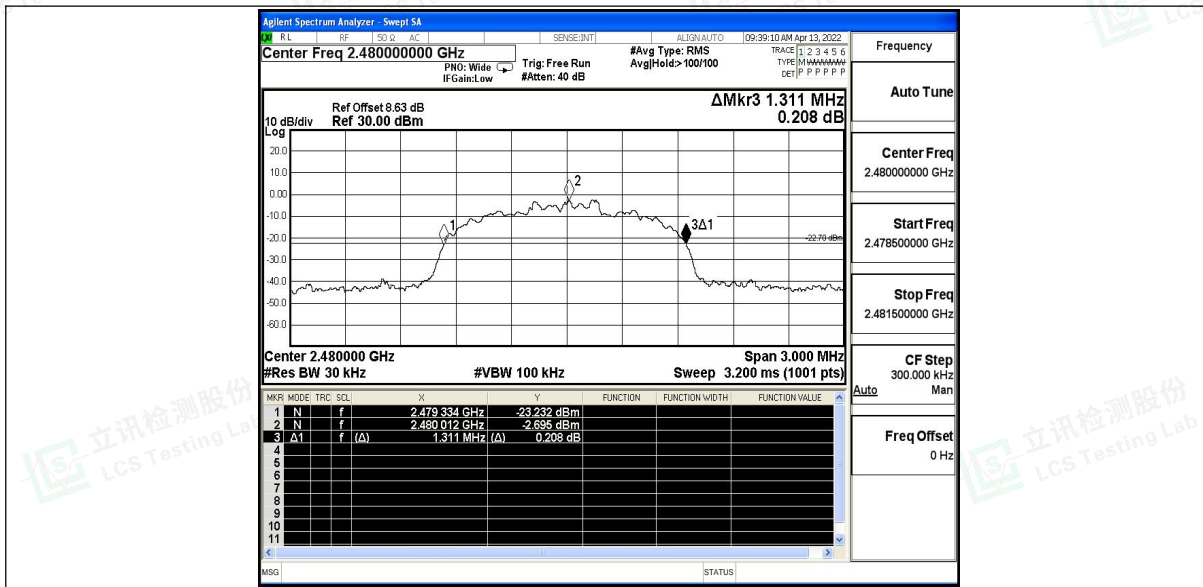


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A.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.9	≤20.97	PASS
		2441	2.58	≤20.97	PASS
		2480	2.58	≤20.97	PASS
2DH5	Ant1	2402	1.93	≤20.97	PASS
		2441	2.44	≤20.97	PASS
		2480	2.37	≤20.97	PASS
3DH5	Ant1	2402	2.2	≤20.97	PASS
		2441	2.68	≤20.97	PASS
		2480	2.61	≤20.97	PASS



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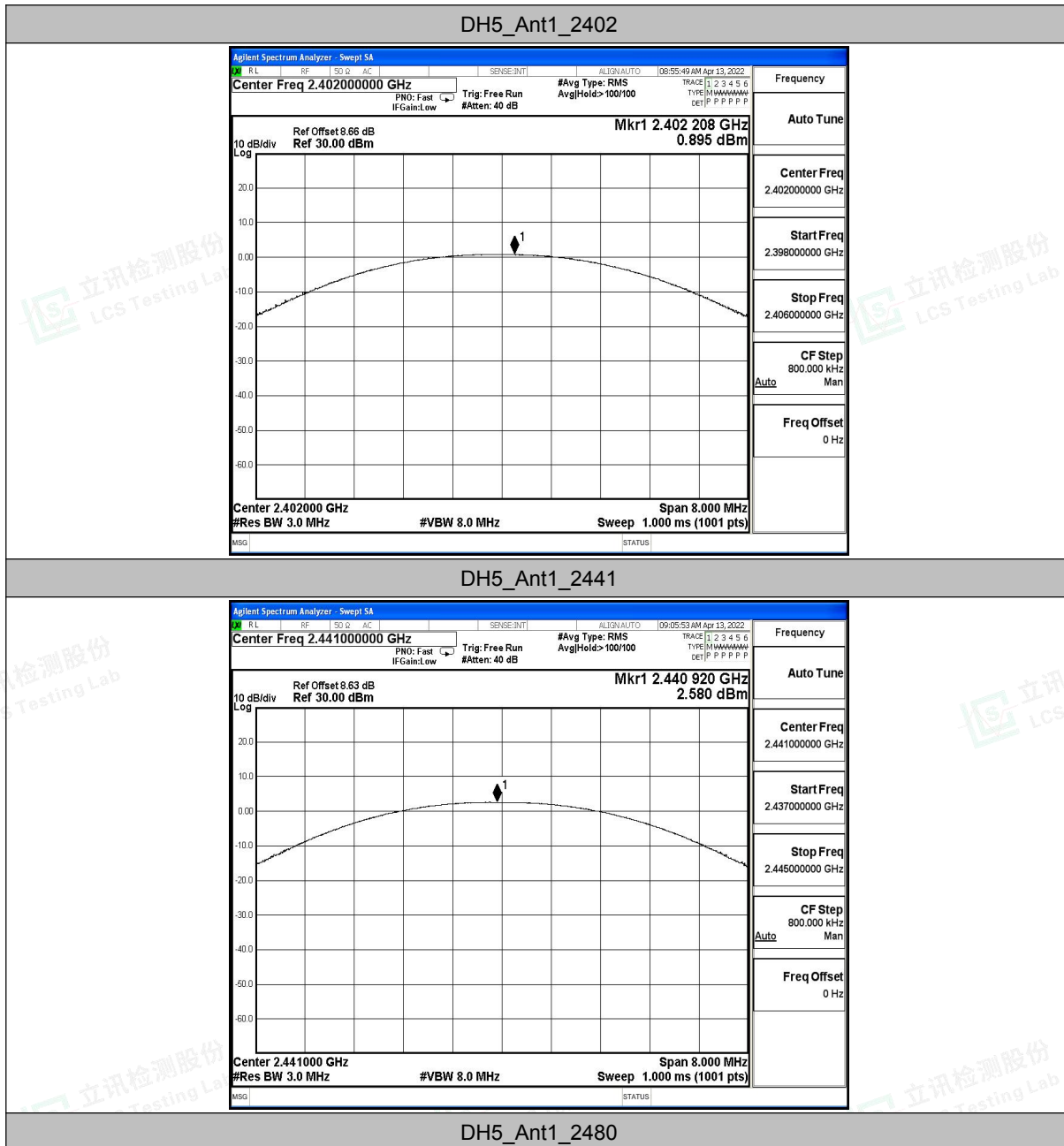
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Test Graphs

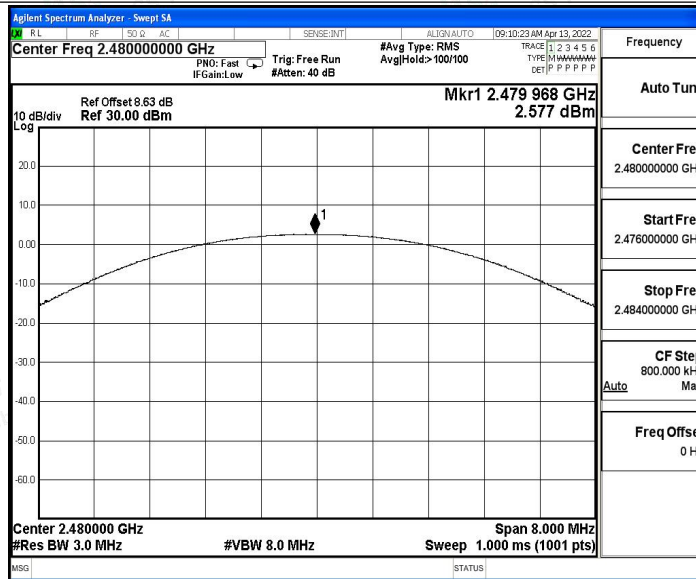


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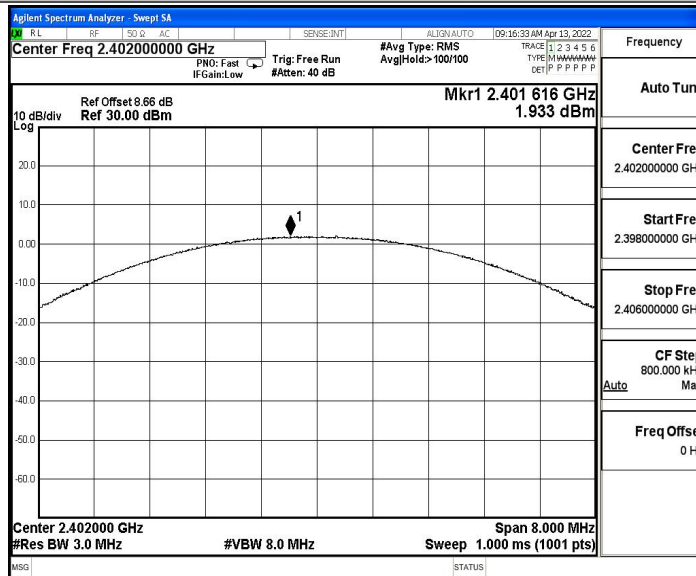
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2DH5_Ant1_2402



2DH5_Ant1_2441

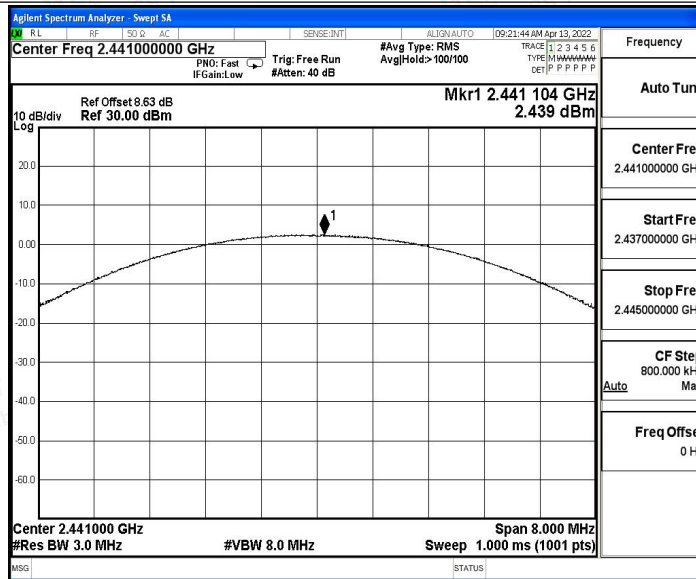


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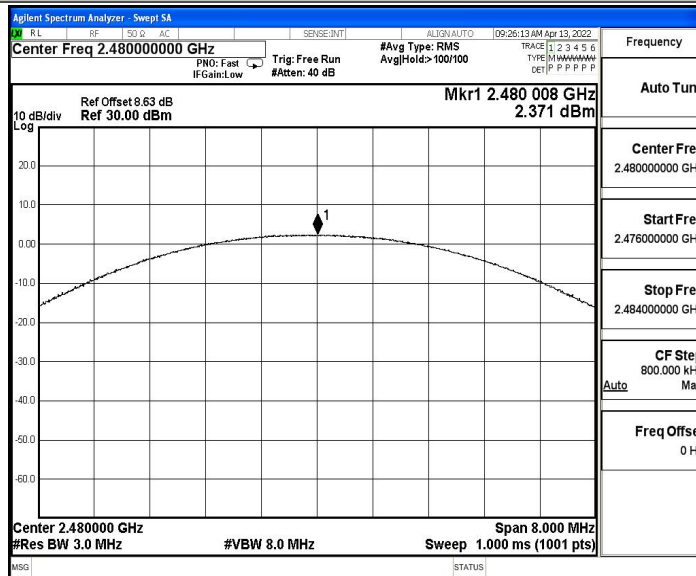
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2DH5_Ant1_2480



3DH5_Ant1_2402

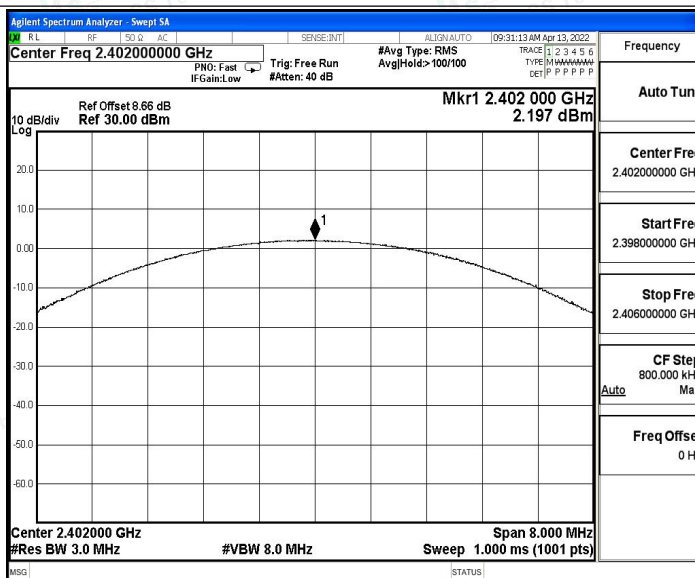


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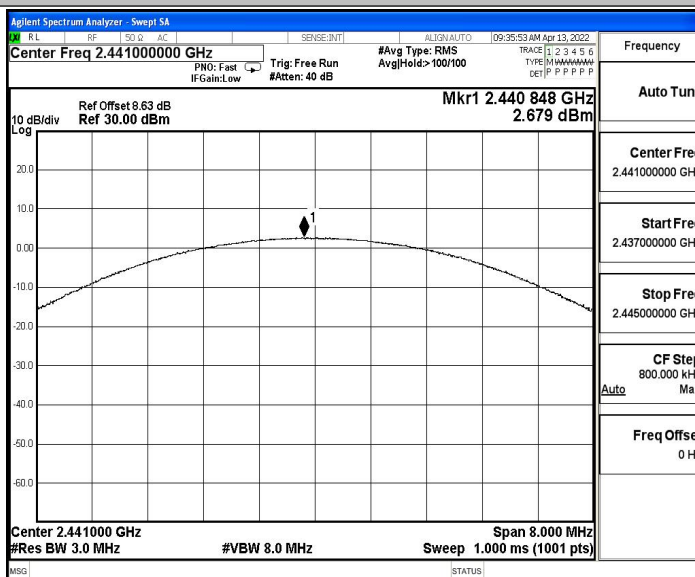
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3DH5_Ant1_2441



3DH5_Ant1_2480

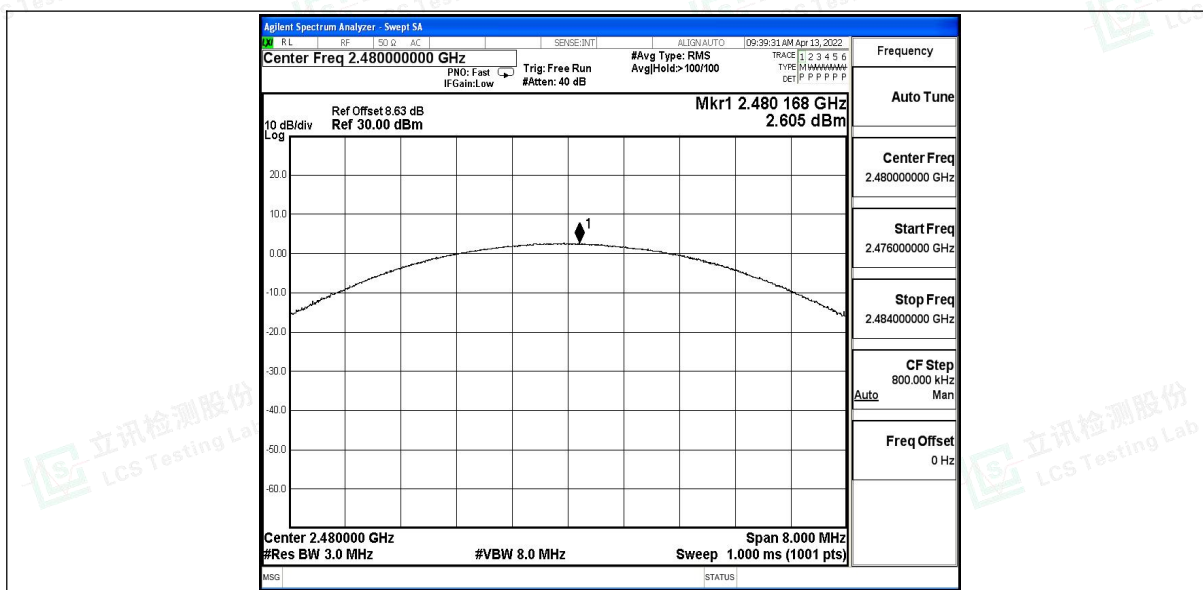


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A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.818	≥ 0.692	PASS
2DH5	Ant1	Hop	0.922	≥ 0.886	PASS
3DH5	Ant1	Hop	1.004	≥ 0.874	PASS



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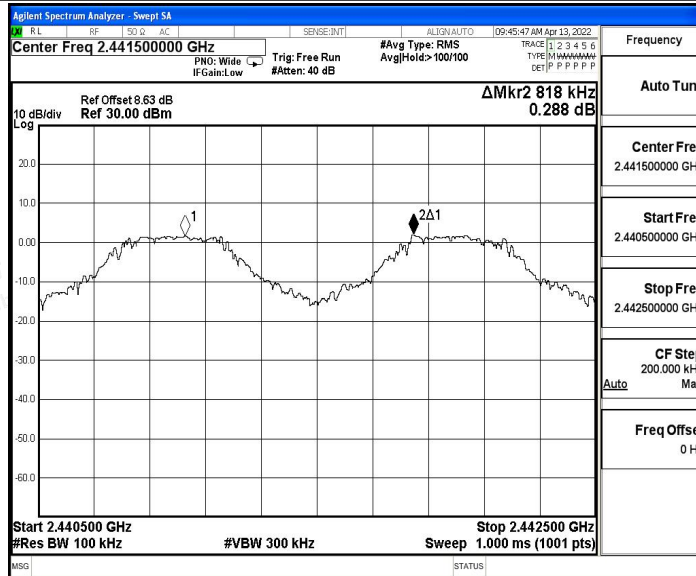
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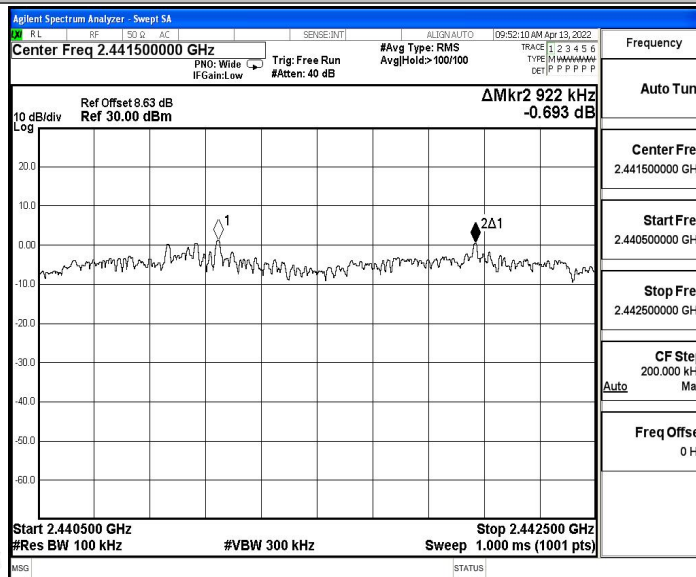


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

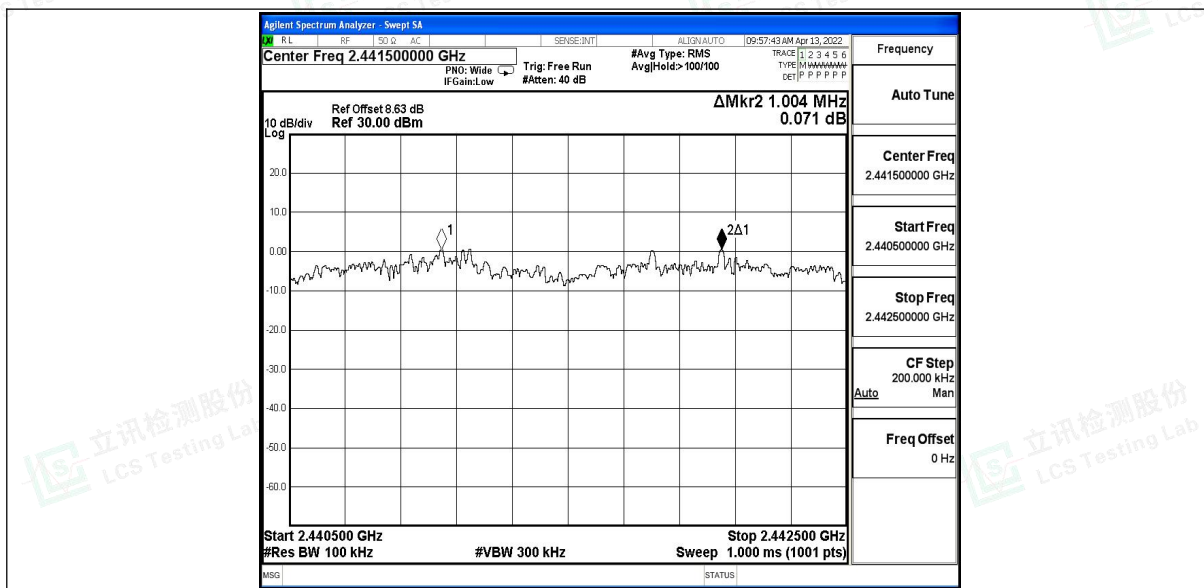


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A.4 Dwell Time

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS



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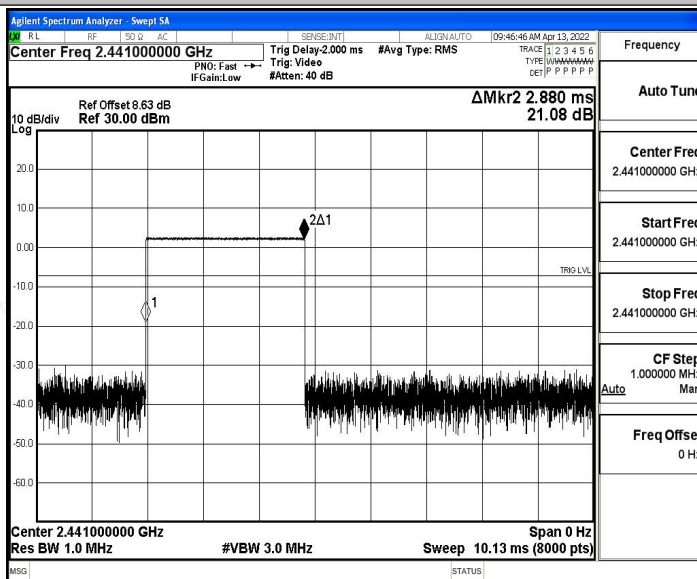
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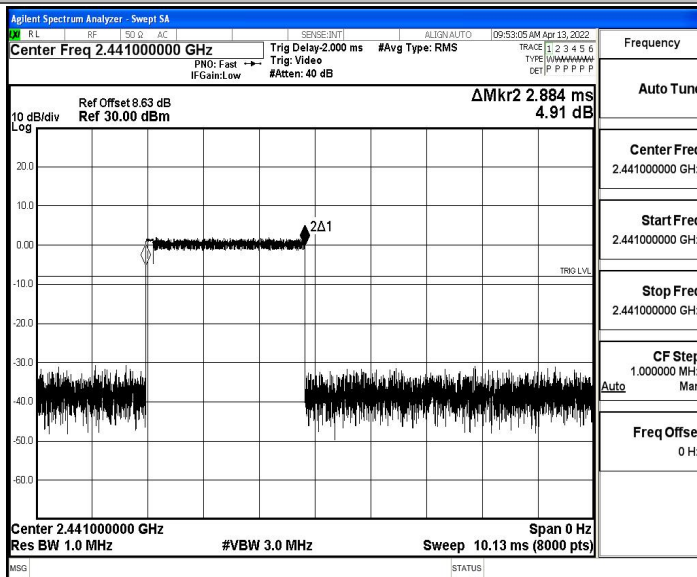


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

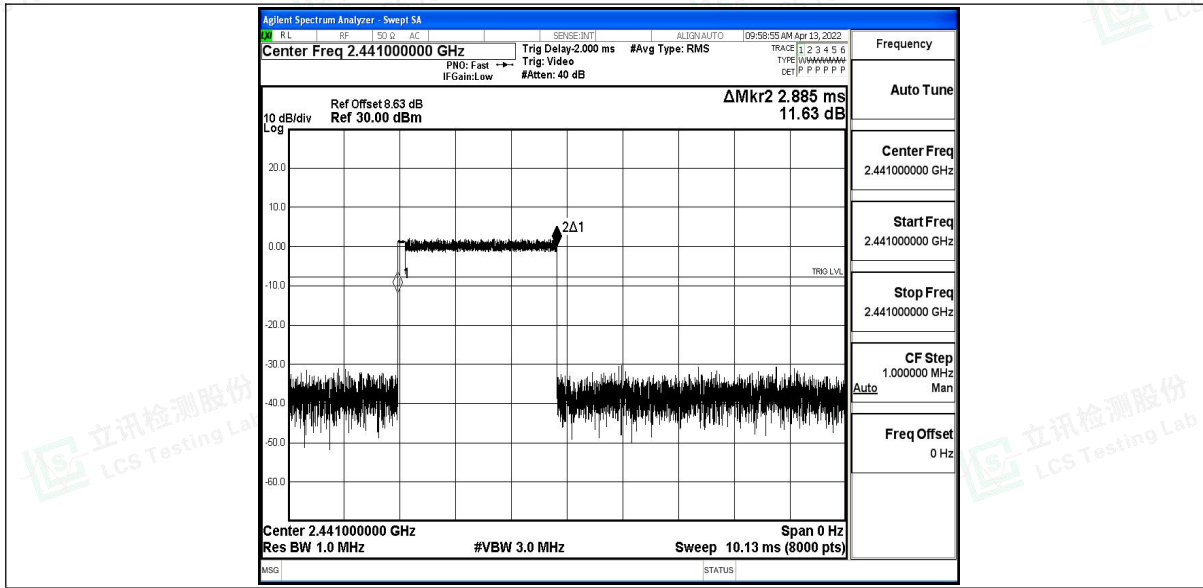


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A.5 Number of hopping channels

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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Test Graphs

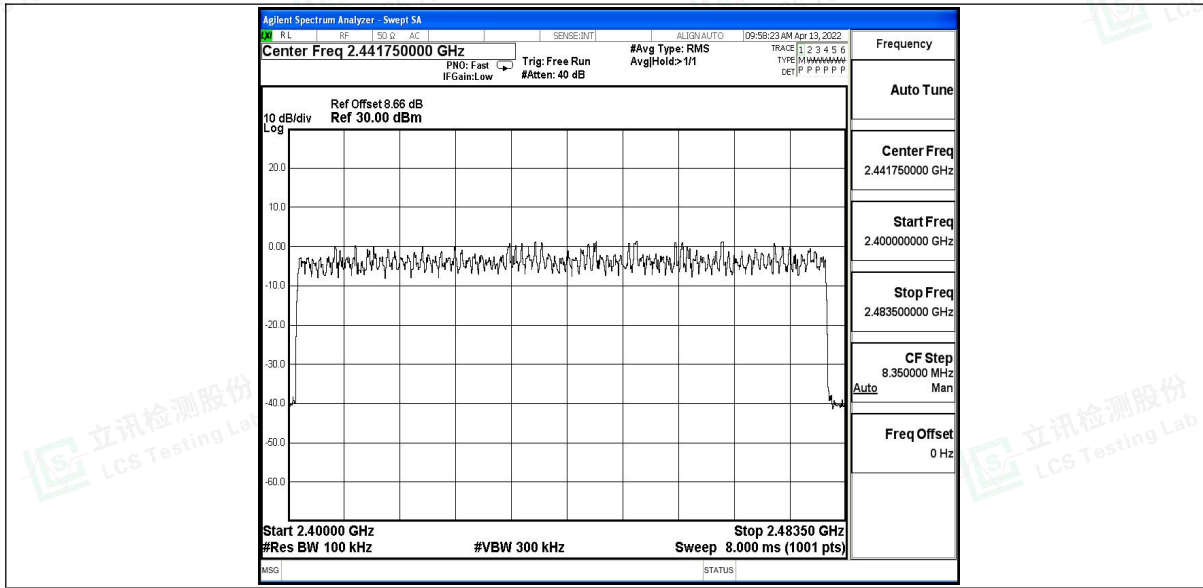


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A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.04	-48.29	≤ -20.04	PASS
		High	2480	1.98	-48.1	≤ -18.02	PASS
		Low	Hop_2402	0.86	-49.09	≤ -19.14	PASS
		High	Hop_2480	1.97	-47.55	≤ -18.03	PASS
2DH5	Ant1	Low	2402	0.00	-49.3	≤ -20	PASS
		High	2480	0.23	-47.57	≤ -19.77	PASS
		Low	Hop_2402	-3.28	-49.39	≤ -23.28	PASS
		High	Hop_2480	-1.14	-47.64	≤ -21.14	PASS
3DH5	Ant1	Low	2402	0.93	-48.88	≤ -19.07	PASS
		High	2480	1.07	-48.11	≤ -18.93	PASS
		Low	Hop_2402	-3.35	-49.34	≤ -23.35	PASS
		High	Hop_2480	1.15	-47.98	≤ -18.85	PASS



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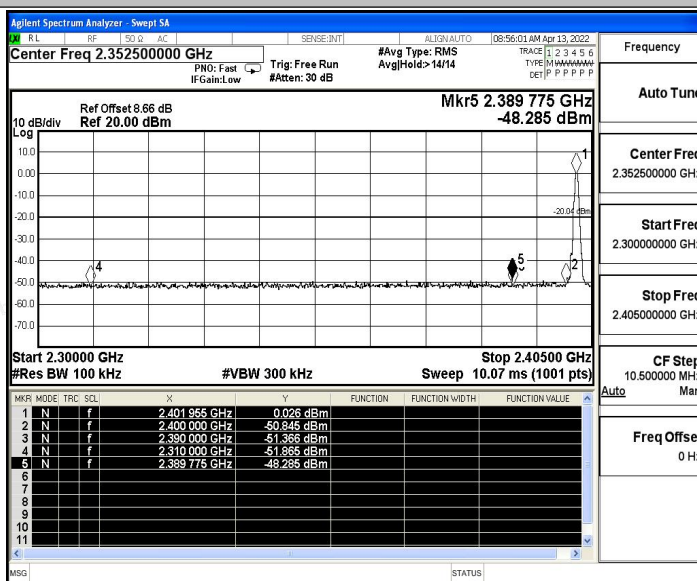
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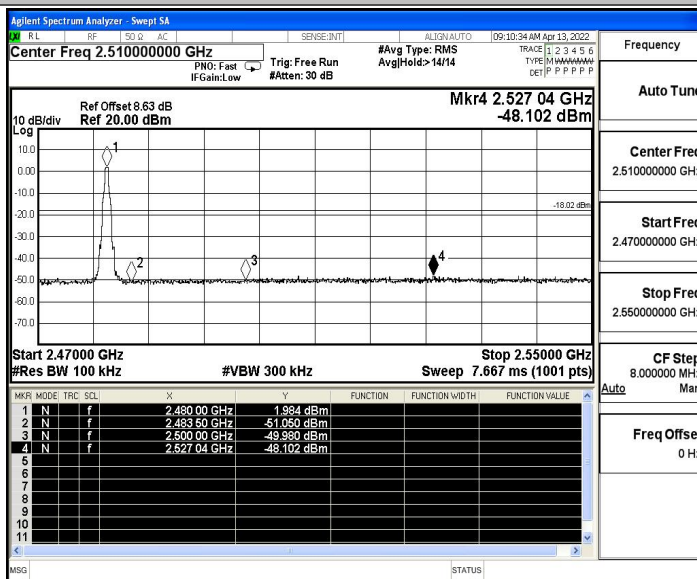


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

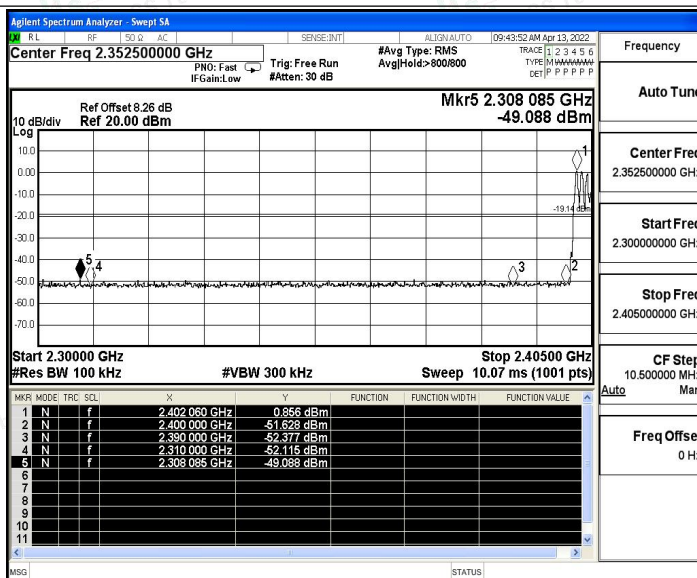


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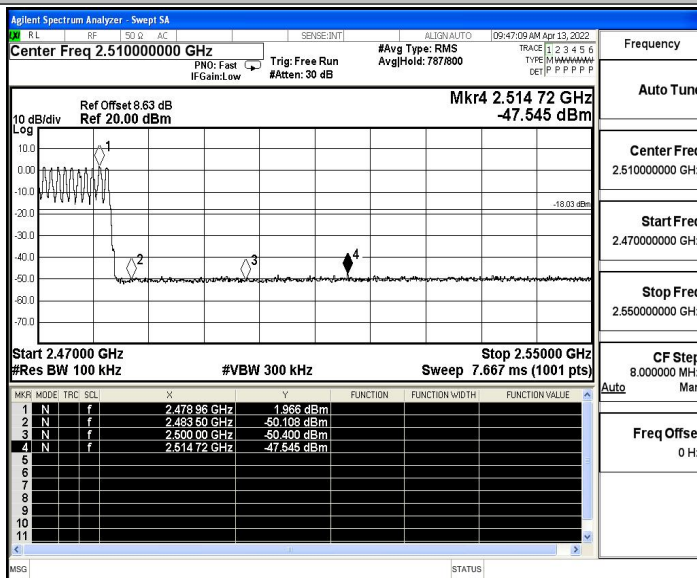
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

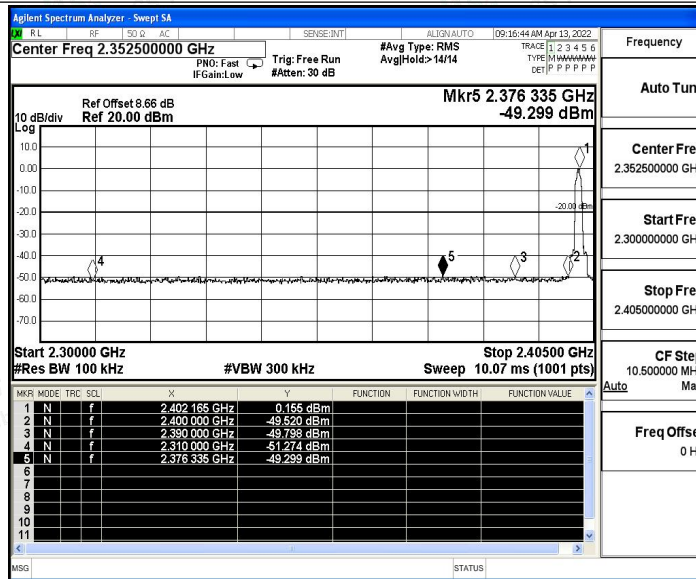


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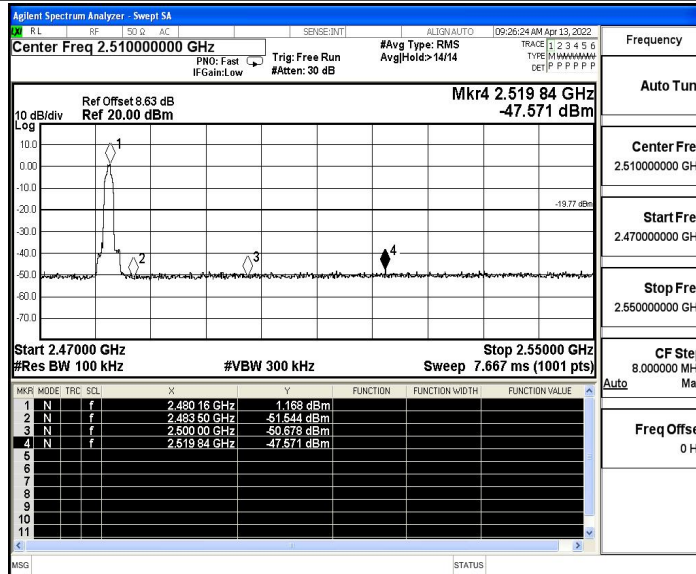
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

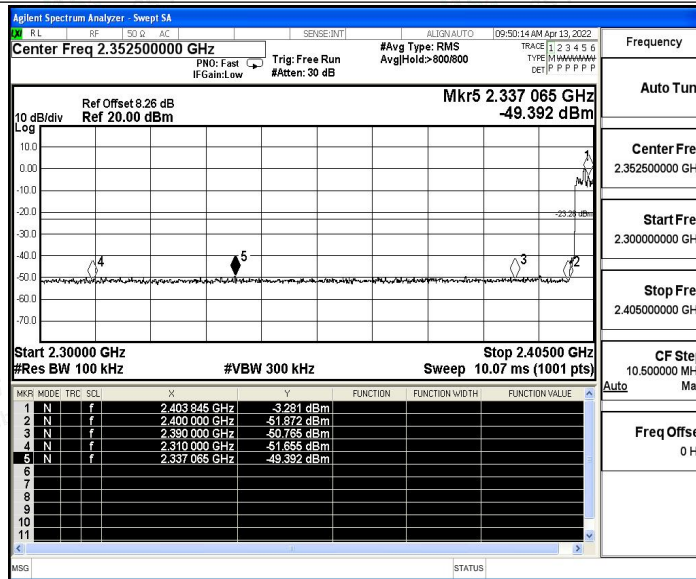


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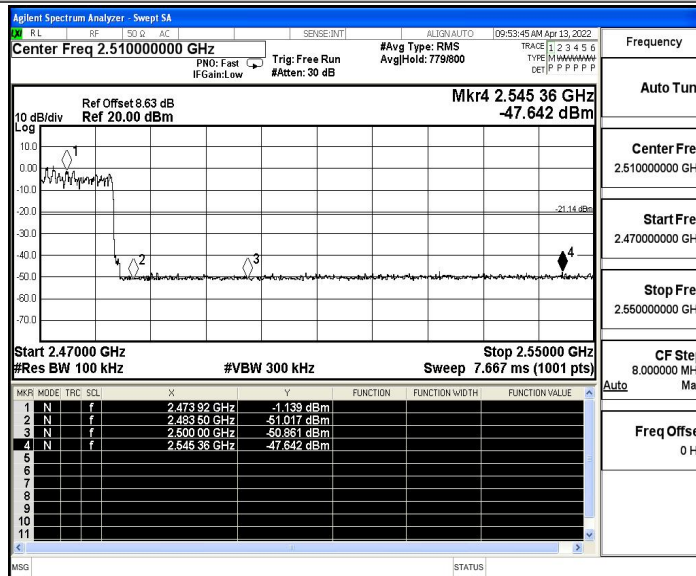
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2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

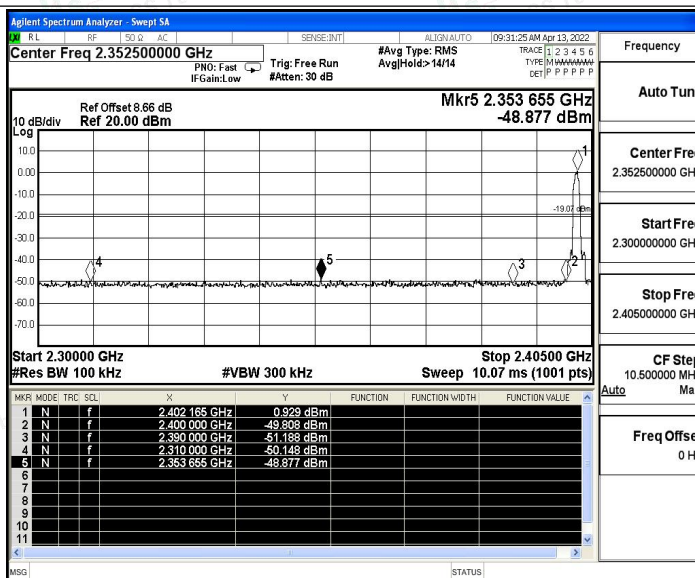


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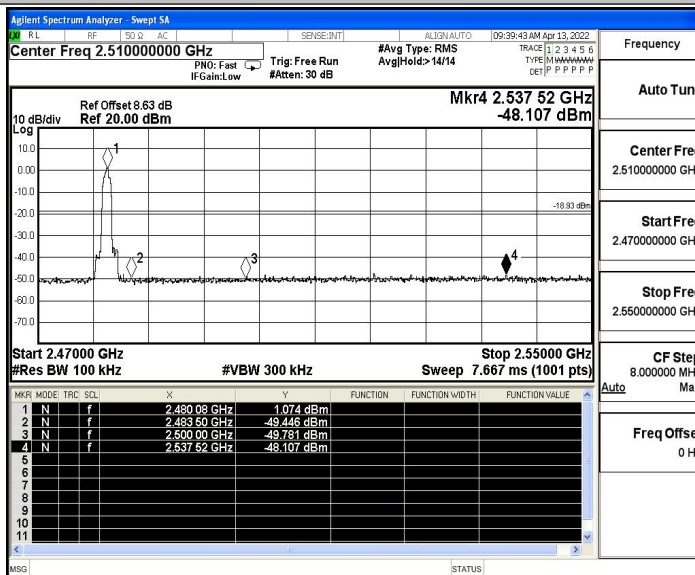
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3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402

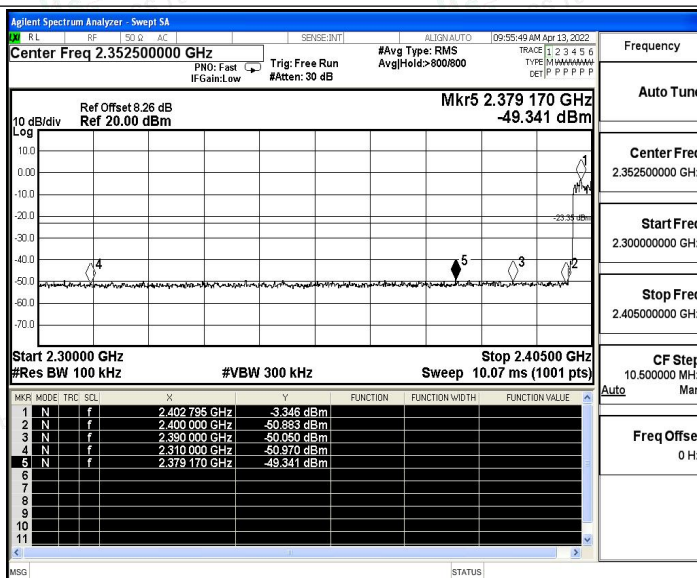


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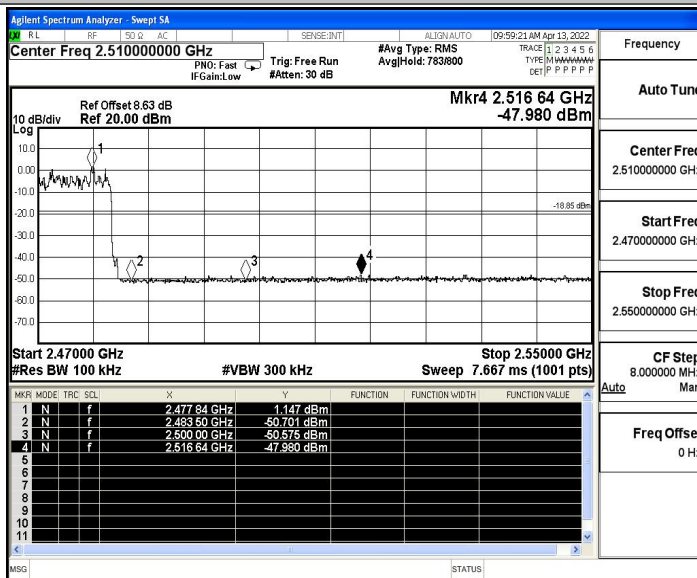
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3DH5_Ant1_High_Hop_2480



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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	-0.57	-0.57	---	PASS
			30~1000	-0.57	-59.08	≤-20.57	PASS
			1000~26500	-0.57	-46.05	≤-20.57	PASS
		2441	Reference	2.03	2.03	---	PASS
			30~1000	2.03	-59.28	≤-17.97	PASS
			1000~26500	2.03	-46.28	≤-17.97	PASS
		2480	Reference	1.53	1.53	---	PASS
			30~1000	1.53	-58.26	≤-18.47	PASS
			1000~26500	1.53	-45.67	≤-18.47	PASS
2DH5	Ant1	2402	Reference	0.72	0.72	---	PASS
			30~1000	0.72	-58.31	≤-19.28	PASS
			1000~26500	0.72	-45.83	≤-19.28	PASS
		2441	Reference	1.13	1.13	---	PASS
			30~1000	1.13	-58.39	≤-18.87	PASS
			1000~26500	1.13	-46.18	≤-18.87	PASS
		2480	Reference	0.90	0.90	---	PASS
			30~1000	0.90	-58.3	≤-19.1	PASS
			1000~26500	0.90	-45.33	≤-19.1	PASS
3DH5	Ant1	2402	Reference	0.78	0.78	---	PASS
			30~1000	0.78	-56.05	≤-19.22	PASS
			1000~26500	0.78	-46.18	≤-19.22	PASS
		2441	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-55.29	≤-18.76	PASS
			1000~26500	1.24	-46.29	≤-18.76	PASS
		2480	Reference	1.25	1.25	---	PASS
			30~1000	1.25	-55.03	≤-18.75	PASS
			1000~26500	1.25	-46.18	≤-18.75	PASS



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